



Synergy Resources Corporation

**SEC 12-13 T6N R66W
Falken 9-11 PAD
Falken 9C-9-L**

**OH
Plan #1**

Anticollision Report

25 April, 2017



Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.00 ft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.45 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	4/24/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	19,025.91	Plan #1 (OH)	MWD+IFR1	OWSG MWD + IFR1	

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Falken 9-11 PAD						
146 COMPANY #14-1 - OH - OH	12,699.76	7,213.46	4,017.15	3,602.56	9.689	CC
146 COMPANY #14-1 - OH - OH	12,800.00	7,213.64	4,018.40	3,601.33	9.635	ES
146 COMPANY #14-1 - OH - OH	13,400.00	7,214.74	4,077.72	3,648.06	9.491	SF
ANDERSON #1-10-6-66(PA) - OH - OH	14,062.30	7,253.95	1,288.65	834.63	2.838	CC
ANDERSON #1-10-6-66(PA) - OH - OH	14,100.00	7,254.01	1,289.20	834.52	2.835	ES, SF
ANDERSON #32-10(PR) - OH - OH	15,336.23	7,305.73	1,387.22	895.62	2.822	CC
ANDERSON #32-10(PR) - OH - OH	15,400.00	7,305.61	1,388.69	895.06	2.813	ES, SF
ANDERSON #42-10(PR) - OH - OH	14,000.75	7,281.83	1,146.81	693.54	2.530	CC, ES
ANDERSON #42-10(PR) - OH - OH	14,100.00	7,282.01	1,151.10	694.86	2.523	SF
ANDERSON/JANUARY #1(PR) - OH - OH	12,691.75	7,272.45	104.91	-311.52	0.252	Level 1, CC, ES, SF
BLACK GOLD #5(PR) - OH - OH	17,313.74	7,289.88	471.12	-75.70	0.862	Level 1, CC, ES, SF
BLACK GOLD PETROLEUM #1(PR) - OH - OH	18,065.07	7,272.25	1,231.14	663.69	2.170	CC
BLACK GOLD PETROLEUM #1(PR) - OH - OH	18,100.00	7,272.31	1,231.63	663.63	2.168	ES, SF
BLACK GOLD PETROLEUM #2(SI) - OH - OH	18,057.09	7,284.98	109.95	-236.21	0.318	Level 1, CC, ES, SF
BLACKGOLD #3(PA) - OH - OH	16,907.19	7,271.14	1,272.20	737.52	2.379	CC, ES, SF
CARLSON #10-1(PA) - OH - OH	16,696.23	7,282.75	1,421.89	892.76	2.687	CC
CARLSON #10-1(PA) - OH - OH	16,700.00	7,282.76	1,421.90	892.63	2.687	ES
CARLSON #10-1(PA) - OH - OH	16,800.00	7,282.94	1,425.67	893.55	2.679	SF
CARLSON #14-1(PR) - OH - OH	0.00	0.00	2,839.72			
CARLSON #14-1(PR) - OH - OH	8,900.00	7,325.72	2,850.20	2,755.60	30.129	ES
CARLSON #14-1(PR) - OH - OH	10,000.00	7,356.17	3,086.17	2,969.90	26.542	SF
CARLSON #14-2(SI) - OH - OH	9,861.33	7,204.54	3,970.94	3,633.63	11.773	CC
CARLSON #14-2(SI) - OH - OH	10,000.00	7,204.77	3,973.36	3,632.45	11.655	ES
CARLSON #14-2(SI) - OH - OH	10,800.00	7,206.10	4,080.37	3,720.67	11.344	SF
Fagerberg 11C-7-M - OH - OH	7,520.29	7,488.68	242.32	171.96	3.444	CC, ES, SF
Fagerberg 11N-7A-M - OH - OH	7,110.02	7,542.05	380.44	309.69	5.377	CC, ES, SF
Fagerberg 15N-7A-M - OH - OH	1,142.18	1,053.19	690.51	679.11	60.555	CC, ES
Fagerberg 15N-7A-M - OH - OH	7,735.44	7,735.44	1,792.99	1,717.99	23.907	SF
Fagerberg 23N-7C-M - OH - OH	1,219.91	1,127.54	812.15	800.37	68.970	CC, ES
Fagerberg 23N-7C-M - OH - OH	7,350.00	7,500.39	898.77	828.64	12.816	SF
Fagerberg 25N(S)-7B-M - OH - OH	3,002.76	3,018.90	227.91	199.30	7.967	CC, ES
Fagerberg 25N(S)-7B-M - OH - OH	7,290.05	7,572.69	437.93	366.27	6.111	SF
Fagerberg 25N-7B-M - OH - OH	2,535.38	2,576.15	37.85	12.49	1.492	Level 3, CC, ES, SF
Fagerberg 25N-7C-M - OH - OH	2,745.82	2,776.35	103.79	77.31	3.920	CC, ES, SF
Fagerberg 28N-18B-M - OH - OH	379.38	336.48	934.46	927.43	132.864	CC

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance		Separation Factor	Warning
			Between Centres (ft)	Between Ellipses (ft)		
Falken 9-11 PAD						
Fagerberg 28N-18B-M - OH - OH	400.00	353.00	934.49	927.40	131.722 ES	
Fagerberg 28N-18B-M - OH - OH	8,800.00	7,074.00	2,481.03	2,390.83	27.507 SF	
Fagerberg 36C-7-M - OH - OH	876.93	768.57	906.73	897.65	99.928 CC	
Fagerberg 36C-7-M - OH - OH	900.00	785.72	906.81	897.60	98.455 ES	
Fagerberg 36C-7-M - OH - OH	8,400.00	6,985.96	2,038.12	1,957.11	25.158 SF	
Fagerberg 36N-7B-M - OH - OH	1,035.02	922.55	868.55	858.25	84.335 CC, ES	
Fagerberg 36N-7B-M - OH - OH	7,550.00	7,414.00	1,560.22	1,488.73	21.825 SF	
Fagerberg 3C-18-M - OH - OH	100.00	87.94	791.36	787.89	227.556 CC, ES	
Fagerberg 3C-18-M - OH - OH	9,100.00	6,714.57	2,899.15	2,805.22	30.867 SF	
Fagerberg 6C-7-M - OH - OH	3,626.52	3,630.91	215.40	181.79	6.409 CC, ES	
Fagerberg 6C-7-M - OH - OH	3,700.00	3,695.01	217.66	183.47	6.366 SF	
Fagerberg 6N-7C-M - OH - OH	3,479.27	3,492.07	150.79	118.57	4.680 CC, ES	
Fagerberg 6N-7C-M - OH - OH	3,500.00	3,510.98	151.02	118.64	4.663 SF	
Falken 16C-9-L - OH - Plan #1	223.49	223.49	75.06	68.34	11.178 CC	
Falken 16C-9-L - OH - Plan #1	300.00	299.98	75.07	68.19	10.900 ES	
Falken 16C-9-L - OH - Plan #1	19,025.91	19,048.88	1,018.51	333.86	1.488 Level 3, SF	
Falken 16N-9B-L - OH - Plan #1	200.00	200.00	89.99	83.32	13.484 CC, ES	
Falken 16N-9B-L - OH - Plan #1	19,025.91	18,894.90	1,355.37	675.76	1.994 SF	
Falken 30C-14-S - OH - Plan #1	200.00	200.00	150.10	143.43	22.490 CC, ES	
Falken 30C-14-S - OH - Plan #1	13,600.00	13,555.88	2,339.79	1,972.33	6.368 SF	
Falken 30N-14B-S - OH - Plan #1	200.00	200.00	135.17	128.49	20.253 CC, ES	
Falken 30N-14B-S - OH - Plan #1	13,500.00	13,368.87	2,131.73	1,765.55	5.822 SF	
Falken 31C-14-S - Plan #1 - Plan #1	261.46	261.45	210.22	203.42	30.947 CC	
Falken 31C-14-S - Plan #1 - Plan #1	300.00	299.98	210.22	203.33	30.523 ES	
Falken 31C-14-S - Plan #1 - Plan #1	13,300.00	13,480.77	3,247.45	2,898.93	9.318 SF	
Falken 31N-14B-S - OH - Plan #1	265.64	265.64	195.28	188.48	28.708 CC	
Falken 31N-14B-S - OH - Plan #1	300.00	299.98	195.28	188.39	28.354 ES	
Falken 31N-14B-S - OH - Plan #1	13,300.00	13,256.62	3,041.60	2,693.45	8.737 SF	
Falken 32C-9-L - OH - Plan #1	200.00	200.00	44.80	38.13	6.713 CC, ES	
Falken 32C-9-L - OH - Plan #1	19,025.91	19,039.50	729.47	44.38	1.065 Level 2, SF	
Falken 32N-9B-L - OH - Plan #1	200.00	200.00	29.87	23.20	4.476 CC	
Falken 32N-9B-L - OH - Plan #1	19,025.91	18,855.86	548.49	-100.58	0.845 Level 1, ES, SF	
Falken 33C-9-L - OH - Plan #1	204.70	204.70	45.18	38.50	6.762 CC	
Falken 33C-9-L - OH - Plan #1	19,025.91	19,022.43	597.37	-87.70	0.872 Level 1, ES, SF	
Falken 33N-9A-L - OH - Plan #1	200.00	200.00	30.24	23.56	4.531 CC	
Falken 33N-9A-L - OH - Plan #1	19,025.91	18,707.52	387.21	-96.23	0.801 Level 1, ES, SF	
Falken 33N-9B-L - OH - Plan #1	200.00	200.00	15.31	8.64	2.294 CC	
Falken 33N-9B-L - OH - Plan #1	19,025.91	18,840.41	221.27	-235.55	0.484 Level 1, ES, SF	
Falken 33N-9C-L - OH - Plan #1	200.00	200.00	60.11	53.44	9.007 CC, ES	
Falken 33N-9C-L - OH - Plan #1	19,025.91	18,918.94	805.87	126.64	1.186 Level 2, SF	
Falken 34C-9-L - OH - Plan #1	233.24	233.24	105.29	98.56	15.638 CC	
Falken 34C-9-L - OH - Plan #1	300.00	299.98	105.31	98.42	15.290 ES	
Falken 34C-9-L - OH - Plan #1	19,025.91	19,118.22	1,429.46	744.65	2.087 SF	
Falken 34N-9C-L - OH - Plan #1	200.00	200.00	120.23	113.55	18.014 CC, ES	
Falken 34N-9C-L - OH - Plan #1	19,025.91	19,014.28	1,634.19	951.23	2.393 SF	
Falken 4N-14A-S - OH - Plan #1	246.49	246.49	165.04	158.28	24.414 CC	
Falken 4N-14A-S - OH - Plan #1	300.00	299.98	165.05	158.16	23.964 ES	
Falken 4N-14A-S - OH - Plan #1	13,200.00	13,002.01	2,595.55	2,250.47	7.522 SF	
Falken 4N-14C-S - OH - Plan #1	200.00	200.00	179.97	173.30	26.966 CC, ES	
Falken 4N-14C-S - OH - Plan #1	13,200.00	13,210.89	2,806.58	2,460.12	8.101 SF	
Falken 9N-9C-L - OH - Plan #1	200.00	200.00	14.93	8.26	2.237 CC	

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			Between Centres (ft)	Between Ellipses (ft)		
Falken 9-11 PAD						
Falken 9N-9C-L - OH - Plan #1	19,025.91	18,906.26	318.80	-330.66	0.491	Level 1, ES, SF
GILLESPIE #11-1(PA) - OH - OH	10,078.74	7,240.90	1,322.58	978.28	3.841	CC
GILLESPIE #11-1(PA) - OH - OH	10,100.00	7,240.94	1,322.75	977.90	3.836	ES
GILLESPIE #11-1(PA) - OH - OH	10,200.00	7,241.10	1,328.13	980.95	3.826	SF
Harvesters Resources #15M-303(PR) - OH - OH	15,977.36	6,652.03	2,085.05	1,811.07	7.610	CC
Harvesters Resources #15M-303(PR) - OH - OH	16,000.00	6,652.20	2,085.17	1,810.71	7.597	ES
Harvesters Resources #15M-303(PR) - OH - OH	16,200.00	6,664.00	2,097.00	1,819.09	7.546	SF
Harvesters Resources #15M-423(PR) - OH - OH	15,642.36	6,698.00	2,072.39	1,806.74	7.801	CC
Harvesters Resources #15M-423(PR) - OH - OH	15,700.00	6,698.00	2,073.19	1,806.35	7.769	ES
Harvesters Resources #15M-423(PR) - OH - OH	15,800.00	6,698.00	2,078.38	1,809.89	7.741	SF
Harvesters Resources #15R-243(PR) - OH - OH	15,165.80	6,637.00	2,120.91	1,869.52	8.437	CC
Harvesters Resources #15R-243(PR) - OH - OH	15,200.00	6,637.00	2,121.18	1,869.03	8.412	ES
Harvesters Resources #15R-243(PR) - OH - OH	15,400.00	6,637.00	2,133.80	1,878.34	8.353	SF
Harvesters Resources #15R-323(PR) - OH - OH	14,487.48	6,700.00	2,123.86	1,889.74	9.072	CC
Harvesters Resources #15R-323(PR) - OH - OH	14,500.00	6,700.00	2,123.89	1,889.51	9.061	ES
Harvesters Resources #15R-323(PR) - OH - OH	14,700.00	6,700.00	2,134.46	1,896.76	8.980	SF
Harvesters Resources #15R-403(PR) - OH - OH	14,817.46	6,753.40	2,091.81	1,844.60	8.462	CC, ES
Harvesters Resources #15R-403(PR) - OH - OH	15,000.00	6,753.93	2,099.76	1,849.50	8.390	SF
Harvesters Resources #15U-203(PR) - OH - OH	13,612.53	6,600.00	2,175.59	1,968.49	10.505	CC
Harvesters Resources #15U-203(PR) - OH - OH	13,700.00	6,600.00	2,177.35	1,968.36	10.418	ES
Harvesters Resources #15U-203(PR) - OH - OH	13,900.00	6,600.00	2,194.50	1,982.29	10.341	SF
Harvesters Resources #15U-443(PR) - OH - OH	14,072.64	6,700.00	2,116.90	1,896.41	9.601	CC
Harvesters Resources #15U-443(PR) - OH - OH	14,100.00	6,700.00	2,117.08	1,895.99	9.576	ES
Harvesters Resources #15U-443(PR) - OH - OH	14,300.00	6,700.00	2,129.08	1,904.58	9.484	SF
J.R. #1(PA) - OH - OH	8,655.89	7,148.53	1,311.22	1,005.64	4.291	CC
J.R. #1(PA) - OH - OH	8,700.00	7,148.60	1,311.96	1,005.41	4.280	ES
J.R. #1(PA) - OH - OH	8,800.00	7,148.77	1,319.12	1,010.50	4.274	SF
Jeff #1 - OH - OH	11,249.81	7,213.13	2,542.18	2,386.45	16.324	CC
Jeff #1 - OH - OH	11,300.00	7,213.32	2,542.68	2,385.58	16.186	ES
Jeff #1 - OH - OH	12,000.00	7,216.43	2,605.95	2,435.07	15.251	SF
JOHNSON #1(PA) - OH - OH	9,971.76	7,277.60	1,196.54	1,075.08	9.852	CC
JOHNSON #1(PA) - OH - OH	10,000.00	7,277.74	1,196.87	1,074.70	9.797	ES
JOHNSON #1(PA) - OH - OH	10,200.00	7,278.77	1,218.11	1,092.16	9.671	SF
JOHNSON #11-16G6(TA) - OH - OH	9,003.40	7,224.11	927.53	611.22	2.932	CC, ES
JOHNSON #11-16G6(TA) - OH - OH	9,100.00	7,224.27	932.55	614.19	2.929	SF
JOHNSON #2(PA) - OH - OH	8,775.24	7,226.41	48.18	-43.13	0.528	Level 1, CC, ES, SF
KRISTY #1(PA) - OH - OH	12,710.66	7,222.09	2,537.90	2,342.28	12.973	CC
KRISTY #1(PA) - OH - OH	12,800.00	7,222.07	2,539.47	2,341.84	12.849	ES
KRISTY #1(PA) - OH - OH	13,100.00	7,222.01	2,567.59	2,364.71	12.656	SF
Merritt #6-66-9-0758CDH(PR) - OH - OH	19,025.91	10,636.30	505.65	385.26	4.200	CC, ES, SF
Merritt #6-66-9-0857CH(PR) - OH - OH	19,025.91	10,710.85	238.99	121.08	2.027	CC, ES, SF
Merritt #6-66-9-0857BH(PR) - OH - OH	19,025.91	10,505.35	438.55	320.44	3.713	CC, ES, SF
MICHAEL I #14-2 - OH - OH	10,007.98	7,223.78	2,643.67	2,301.84	7.734	CC
MICHAEL I #14-2 - OH - OH	10,100.00	7,223.94	2,645.27	2,301.05	7.685	ES
MICHAEL I #14-2 - OH - OH	10,400.00	7,224.43	2,672.57	2,321.27	7.608	SF
Montera #10-33(PR) - OH - OH	15,221.87	7,271.06	246.56	-240.62	0.506	Level 1, CC, ES, SF
Montera #10-34(PR) - OH - OH	15,638.70	7,258.82	1,435.60	937.12	2.880	CC, ES
Montera #10-34(PR) - OH - OH	15,700.00	7,258.93	1,436.91	937.38	2.877	SF
Montera #10-43(SI) - OH - OH	13,890.59	7,261.63	82.49	-366.99	0.184	Level 1, CC, ES, SF
MONTERA I #11-11(PR) - OH - OH	11,551.46	7,263.37	174.36	-210.41	0.453	Level 1, CC, ES, SF
MONTERA I #11-14(PR) - OH - OH	11,171.43	7,244.72	1,341.65	967.66	3.587	CC

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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Falken 9-11 PAD						
MONTERA I #11-14(PR) - OH - OH	11,200.00	7,244.77	1,341.95	967.20	3.581	ES
MONTERA I #11-14(PR) - OH - OH	11,300.00	7,244.93	1,347.80	970.80	3.575	SF
MONTERA I #14-8 - OH - OH	200.00	178.00	4,034.62	4,025.74	454.344	CC
MONTERA I #14-8 - OH - OH	8,400.00	7,220.11	4,081.76	3,779.24	13.493	ES
MONTERA I #14-8 - OH - OH	9,500.00	7,221.94	4,248.12	3,922.15	13.032	SF
OPAL #1(PA) - OH - OH	12,658.36	7,289.39	1,275.49	859.40	3.065	CC
OPAL #1(PA) - OH - OH	12,700.00	7,289.46	1,276.17	858.66	3.057	ES
OPAL #1(PA) - OH - OH	12,800.00	7,289.64	1,283.33	863.11	3.054	SF
OTTOSON #2(PA) - OH - OH	4,853.99	4,720.50	3,705.84	3,660.86	82.392	CC
OTTOSON #2(PA) - OH - OH	7,150.00	7,024.63	3,711.50	3,646.54	57.137	ES
OTTOSON #2(PA) - OH - OH	9,800.00	7,259.34	4,582.48	4,479.56	44.526	SF
OTTOSON #3(PR) - OH - OH	4,369.22	4,210.39	1,219.45	1,179.28	30.359	CC
OTTOSON #3(PR) - OH - OH	7,250.00	7,011.19	1,222.48	1,157.00	18.671	ES
OTTOSON #3(PR) - OH - OH	7,500.00	7,144.64	1,244.03	1,176.04	18.297	SF
OTTOSON I #12-12(PR) - OH - OH	7,347.62	7,091.14	50.50	-16.11	0.758	Level 1, CC, ES, SF
OTTOSON I #12-25(PR) - OH - OH	6,744.77	6,584.80	819.27	759.85	13.787	CC
OTTOSON I #12-25(PR) - OH - OH	6,750.00	6,590.06	819.29	759.83	13.778	ES
OTTOSON I #12-25(PR) - OH - OH	6,800.00	6,641.79	821.23	761.39	13.724	SF
POP I #14-17 - OH - OH	9,167.68	7,218.38	3,491.47	3,171.36	10.907	CC
POP I #14-17 - OH - OH	9,300.00	7,218.60	3,493.97	3,170.62	10.806	ES
POP I #14-17 - OH - OH	10,000.00	7,219.77	3,589.30	3,250.02	10.579	SF
SOUTH WOODS #10-3(PA) - OH - OH	16,673.52	7,252.71	178.02	-349.43	0.338	Level 1, CC, ES, SF
SOUTHARD #2(PR) - OH - OH	7,441.17	7,146.11	1,453.43	1,385.80	21.490	CC
SOUTHARD #2(PR) - OH - OH	7,450.00	7,150.27	1,453.45	1,385.72	21.458	ES
SOUTHARD #2(PR) - OH - OH	7,800.00	7,212.37	1,494.65	1,422.82	20.807	SF

Offset Design		Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH										Offset Site Error:		0.00 ft	
Survey Program:		100-2" Cone@2.448 Sigma										Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)				
0.00	0.00	0.00	0.00	3.28	3.28	-132.23	-3,851.81	-4,242.76	5,730.51						
100.00	100.00	64.00	64.00	3.28	3.47	-132.23	-3,851.81	-4,242.76	5,730.40	5,723.65	6.75	848.980			
200.00	200.00	164.00	164.00	3.34	5.16	-132.23	-3,851.81	-4,242.76	5,730.40	5,721.90	8.49	674.622			
300.00	299.98	263.98	263.98	3.44	8.16	137.05	-3,851.81	-4,242.76	5,731.67	5,720.07	11.60	494.064			
400.00	399.84	363.84	363.84	3.60	11.44	137.03	-3,851.81	-4,242.76	5,735.51	5,720.47	15.04	381.463			
500.00	499.45	463.45	463.45	3.81	14.80	137.00	-3,851.81	-4,242.76	5,741.89	5,723.29	18.61	308.618			
600.00	598.70	562.70	562.70	4.05	18.20	136.96	-3,851.81	-4,242.76	5,750.83	5,728.59	22.25	258.492			
700.00	697.47	661.47	661.47	4.34	21.60	136.91	-3,851.81	-4,242.76	5,762.33	5,736.40	25.93	222.191			
800.00	795.62	759.62	759.62	4.66	24.99	136.85	-3,851.81	-4,242.76	5,776.38	5,746.73	29.65	194.834			
849.22	843.68	807.68	807.68	4.84	26.65	136.81	-3,851.81	-4,242.76	5,784.23	5,752.75	31.48	183.724			
900.00	893.16	857.16	857.16	5.02	28.37	136.89	-3,851.81	-4,242.76	5,792.65	5,759.27	33.38	173.542			
1,000.00	990.60	954.60	954.60	5.41	31.75	137.04	-3,851.81	-4,242.76	5,809.27	5,772.14	37.13	156.453			
1,100.00	1,088.05	1,052.05	1,052.05	5.83	35.13	137.18	-3,851.81	-4,242.76	5,825.93	5,785.02	40.91	142.419			
1,200.00	1,185.49	1,149.49	1,149.49	6.26	38.52	137.33	-3,851.81	-4,242.76	5,842.63	5,797.92	44.70	130.704			
1,300.00	1,282.93	1,246.93	1,246.93	6.70	41.91	137.48	-3,851.81	-4,242.76	5,859.36	5,810.85	48.51	120.786			
1,400.00	1,380.37	1,344.37	1,344.37	7.15	45.31	137.63	-3,851.81	-4,242.76	5,876.14	5,823.80	52.33	112.286			
1,500.00	1,477.82	1,441.82	1,441.82	7.62	48.70	137.77	-3,851.81	-4,242.76	5,892.95	5,836.78	56.16	104.925			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
1,600.00	1,575.26	1,539.26	1,539.26	8.09	52.09	137.92	-3,851.81	-4,242.76	5,909.80	5,849.79	60.00	98.492			
1,700.00	1,672.70	1,636.70	1,636.70	8.57	55.49	138.06	-3,851.81	-4,242.76	5,926.68	5,862.83	63.85	92.823			
1,800.00	1,770.15	1,734.15	1,734.15	9.05	58.89	138.20	-3,851.81	-4,242.76	5,943.61	5,875.90	67.70	87.792			
1,900.00	1,867.59	1,831.59	1,831.59	9.54	62.28	138.35	-3,851.81	-4,242.76	5,960.57	5,889.01	71.56	83.297			
2,000.00	1,965.03	1,929.03	1,929.03	10.03	65.68	138.49	-3,851.81	-4,242.76	5,977.56	5,902.14	75.42	79.259			
2,100.00	2,062.48	2,026.48	2,026.48	10.53	69.08	138.63	-3,851.81	-4,242.76	5,994.59	5,915.31	79.28	75.610			
2,200.00	2,159.92	2,123.92	2,123.92	11.03	72.47	138.77	-3,851.81	-4,242.76	6,011.66	5,928.51	83.15	72.299			
2,300.00	2,257.36	2,221.36	2,221.36	11.53	75.87	138.91	-3,851.81	-4,242.76	6,028.77	5,941.75	87.02	69.280			
2,400.00	2,354.81	2,318.81	2,318.81	12.03	79.27	139.05	-3,851.81	-4,242.76	6,045.90	5,955.01	90.89	66.518			
2,500.00	2,452.25	2,416.25	2,416.25	12.54	82.67	139.18	-3,851.81	-4,242.76	6,063.08	5,968.31	94.77	63.980			
2,600.00	2,549.69	2,513.69	2,513.69	13.04	86.07	139.32	-3,851.81	-4,242.76	6,080.29	5,981.64	98.64	61.640			
2,700.00	2,647.13	2,611.13	2,611.13	13.55	89.47	139.46	-3,851.81	-4,242.76	6,097.53	5,995.01	102.52	59.477			
2,800.00	2,744.58	2,708.58	2,708.58	14.06	92.87	139.59	-3,851.81	-4,242.76	6,114.80	6,008.41	106.40	57.472			
2,900.00	2,842.02	2,806.02	2,806.02	14.57	96.27	139.73	-3,851.81	-4,242.76	6,132.11	6,021.84	110.28	55.607			
3,000.00	2,939.46	2,903.46	2,903.46	15.09	99.67	139.86	-3,851.81	-4,242.76	6,149.46	6,035.30	114.16	53.869			
3,100.00	3,036.91	3,000.91	3,000.91	15.60	103.07	139.99	-3,851.81	-4,242.76	6,166.83	6,048.79	118.04	52.244			
3,200.00	3,134.35	3,101.65	3,098.35	16.11	106.58	140.13	-3,851.81	-4,242.76	6,184.24	6,062.21	122.04	50.676			
3,300.00	3,231.79	3,204.21	3,195.79	16.63	110.16	140.26	-3,851.81	-4,242.76	6,201.68	6,075.59	126.10	49.182			
3,400.00	3,329.24	3,306.76	3,293.24	17.14	113.74	140.39	-3,851.81	-4,242.76	6,219.16	6,089.00	130.16	47.782			
3,500.00	3,426.68	3,409.32	3,390.68	17.66	117.32	140.52	-3,851.81	-4,242.76	6,236.66	6,102.44	134.22	46.466			
3,600.00	3,524.12	3,488.12	3,488.12	18.18	120.07	140.65	-3,851.81	-4,242.76	6,254.20	6,116.75	137.45	45.500			
3,700.00	3,621.57	3,585.57	3,585.57	18.69	123.47	140.78	-3,851.81	-4,242.76	6,271.77	6,130.43	141.34	44.374			
3,800.00	3,719.01	3,683.01	3,683.01	19.21	126.87	140.91	-3,851.81	-4,242.76	6,289.37	6,144.15	145.22	43.308			
3,900.00	3,816.45	3,780.45	3,780.45	19.73	130.27	141.03	-3,851.81	-4,242.76	6,307.00	6,157.89	149.11	42.298			
4,000.00	3,913.90	3,877.90	3,877.90	20.25	133.67	141.16	-3,851.81	-4,242.76	6,324.66	6,171.67	152.99	41.339			
4,100.00	4,011.34	3,975.34	3,975.34	20.77	137.07	141.29	-3,851.81	-4,242.76	6,342.35	6,185.47	156.88	40.428			
4,200.00	4,108.78	4,072.78	4,072.78	21.29	140.47	141.41	-3,851.81	-4,242.76	6,360.08	6,199.31	160.77	39.561			
4,300.00	4,206.22	4,170.22	4,170.22	21.81	143.87	141.54	-3,851.81	-4,242.76	6,377.83	6,213.18	164.65	38.735			
4,400.00	4,303.67	4,267.67	4,267.67	22.33	147.28	141.66	-3,851.81	-4,242.76	6,395.61	6,227.07	168.54	37.947			
4,500.00	4,401.11	4,365.11	4,365.11	22.85	150.68	141.78	-3,851.81	-4,242.76	6,413.42	6,241.00	172.43	37.195			
4,600.00	4,498.55	4,462.55	4,462.55	23.37	154.08	141.91	-3,851.81	-4,242.76	6,431.26	6,254.95	176.31	36.476			
4,700.00	4,596.00	4,560.00	4,560.00	23.89	157.48	142.03	-3,851.81	-4,242.76	6,449.13	6,268.93	180.20	35.789			
4,800.00	4,693.44	4,657.44	4,657.44	24.41	160.88	142.15	-3,851.81	-4,242.76	6,467.03	6,282.94	184.09	35.130			
4,900.00	4,790.88	4,754.88	4,754.88	24.93	164.28	142.27	-3,851.81	-4,242.76	6,484.96	6,296.98	187.97	34.499			
5,000.00	4,888.33	4,852.33	4,852.33	25.46	167.68	142.39	-3,851.81	-4,242.76	6,502.91	6,311.05	191.86	33.894			
5,100.00	4,985.77	4,949.77	4,949.77	25.98	171.08	142.51	-3,851.81	-4,242.76	6,520.89	6,325.15	195.75	33.313			
5,200.00	5,083.21	5,047.21	5,047.21	26.50	174.48	142.63	-3,851.81	-4,242.76	6,538.91	6,339.27	199.63	32.754			
5,300.00	5,180.66	5,144.66	5,144.66	27.02	177.89	142.75	-3,851.81	-4,242.76	6,556.94	6,353.42	203.52	32.218			
5,400.00	5,278.10	5,242.10	5,242.10	27.55	181.29	142.86	-3,851.81	-4,242.76	6,575.01	6,367.60	207.41	31.701			
5,500.00	5,375.54	5,339.54	5,339.54	28.07	184.69	142.98	-3,851.81	-4,242.76	6,593.10	6,381.81	211.30	31.203			
5,582.90	5,456.32	5,420.32	5,420.32	28.50	187.51	143.08	-3,851.81	-4,242.76	6,608.12	6,393.60	214.52	30.805			
5,600.00	5,473.00	5,437.00	5,437.00	28.59	188.09	143.13	-3,851.81	-4,242.76	6,611.18	6,396.00	215.18	30.724			
5,700.00	5,570.93	5,534.93	5,534.93	29.10	191.51	143.43	-3,851.81	-4,242.76	6,627.48	6,408.40	219.08	30.252			
5,800.00	5,669.52	5,633.52	5,633.52	29.57	194.95	143.68	-3,851.81	-4,242.76	6,641.02	6,418.04	222.98	29.784			
5,900.00	5,768.62	5,732.62	5,732.62	30.03	198.41	143.88	-3,851.81	-4,242.76	6,651.78	6,424.90	226.88	29.319			
6,000.00	5,868.13	5,832.13	5,832.13	30.45	201.88	144.02	-3,851.81	-4,242.76	6,659.74	6,428.96	230.78	28.857			
6,100.00	5,967.93	5,931.93	5,931.93	30.86	205.36	144.11	-3,851.81	-4,242.76	6,664.89	6,430.21	234.68	28.400			
6,200.00	6,067.88	6,031.88	6,031.88	31.24	208.85	144.16	-3,851.81	-4,242.76	6,667.21	6,428.65	238.57	27.947			
6,232.12	6,100.00	6,064.00	6,064.00	31.36	209.97	-125.13	-3,851.81	-4,242.76	6,667.36	6,427.55	239.81	27.803			
6,300.00	6,167.88	6,131.88	6,131.88	31.61	212.34	-125.13	-3,851.81	-4,242.76	6,667.36	6,424.93	242.43	27.502			
6,400.00	6,267.88	6,231.88	6,231.88	31.97	215.83	-125.13	-3,851.81	-4,242.76	6,667.36	6,421.07	246.29	27.071			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
6,500.00	6,367.88	6,331.88	6,331.88	32.34	219.33	-125.13	-3,851.81	-4,242.76	6,667.36	6,417.20	250.15	26.653			
6,600.00	6,467.88	6,431.88	6,431.88	32.70	222.82	-125.13	-3,851.81	-4,242.76	6,667.36	6,413.34	254.02	26.247			
6,700.00	6,567.88	6,531.88	6,531.88	33.07	226.31	-125.13	-3,851.81	-4,242.76	6,667.36	6,409.47	257.89	25.854			
6,736.50	6,604.38	6,568.38	6,568.38	33.21	227.58	-125.13	-3,851.81	-4,242.76	6,667.36	6,408.06	259.30	25.713			
6,750.00	6,617.88	6,581.88	6,581.88	33.25	228.05	-38.05	-3,851.81	-4,242.76	6,667.25	6,407.43	259.82	25.661			
6,800.00	6,667.77	6,631.77	6,631.77	33.43	229.79	-38.19	-3,851.81	-4,242.76	6,664.87	6,403.14	261.73	25.465			
6,850.00	6,717.28	6,681.28	6,681.28	33.60	231.52	-38.54	-3,851.81	-4,242.76	6,659.41	6,395.79	263.62	25.261			
6,900.00	6,766.09	6,730.09	6,730.09	33.79	233.23	-39.08	-3,851.81	-4,242.76	6,650.93	6,385.44	265.49	25.052			
6,950.00	6,813.90	6,777.90	6,777.90	33.99	234.89	-39.83	-3,851.81	-4,242.76	6,639.46	6,372.15	267.31	24.838			
7,000.00	6,860.42	6,824.42	6,824.42	34.20	236.52	-40.81	-3,851.81	-4,242.76	6,625.10	6,356.01	269.09	24.621			
7,050.00	6,905.36	6,869.36	6,869.36	34.42	238.09	-42.01	-3,851.81	-4,242.76	6,607.95	6,337.14	270.81	24.401			
7,100.00	6,948.45	6,912.45	6,912.45	34.67	239.59	-43.47	-3,851.81	-4,242.76	6,588.12	6,315.65	272.47	24.180			
7,150.00	6,989.41	6,953.41	6,953.41	34.94	241.02	-45.21	-3,851.81	-4,242.76	6,565.75	6,291.70	274.05	23.958			
7,200.00	7,028.00	7,008.00	7,008.00	35.24	242.93	-47.24	-3,851.81	-4,242.76	6,540.99	6,264.88	276.12	23.689			
7,250.00	7,063.98	7,027.98	7,027.98	35.56	243.62	-49.59	-3,851.81	-4,242.76	6,514.03	6,237.04	276.98	23.518			
7,300.00	7,097.13	7,061.13	7,061.13	35.92	244.78	-52.28	-3,851.81	-4,242.76	6,485.03	6,206.71	278.32	23.301			
7,350.00	7,127.23	7,108.77	7,091.23	36.32	246.44	-55.35	-3,851.81	-4,242.76	6,454.21	6,174.03	280.18	23.036			
7,400.00	7,154.12	7,118.12	7,118.12	36.75	246.77	-58.79	-3,851.81	-4,242.76	6,421.76	6,141.05	280.71	22.877			
7,450.00	7,177.61	7,141.61	7,141.61	37.22	247.59	-62.62	-3,851.81	-4,242.76	6,387.91	6,106.15	281.77	22.671			
7,500.00	7,197.57	7,161.57	7,161.57	37.73	248.29	-66.82	-3,851.81	-4,242.76	6,352.89	6,070.17	282.72	22.471			
7,550.00	7,213.88	7,177.88	7,177.88	38.28	248.86	-71.36	-3,851.81	-4,242.76	6,316.92	6,033.35	283.56	22.277			
7,600.00	7,226.42	7,209.58	7,190.42	38.87	249.96	-76.18	-3,851.81	-4,242.76	6,280.24	5,995.27	284.97	22.038			
7,650.00	7,235.13	7,200.87	7,199.13	39.48	249.66	-81.19	-3,851.81	-4,242.76	6,243.09	5,958.10	285.00	21.906			
7,700.00	7,239.95	7,203.95	7,203.95	40.12	249.77	-86.29	-3,851.81	-4,242.76	6,205.72	5,920.26	285.45	21.740			
7,735.44	7,241.00	7,205.00	7,205.00	40.59	249.80	-89.89	-3,851.81	-4,242.76	6,179.21	5,893.46	285.75	21.624			
7,800.00	7,241.11	7,205.11	7,205.11	41.47	249.81	-89.89	-3,851.81	-4,242.76	6,131.14	5,844.87	286.27	21.417			
7,900.00	7,241.27	7,205.27	7,205.27	42.96	249.81	-89.90	-3,851.81	-4,242.76	6,057.28	5,770.12	287.17	21.093			
8,000.00	7,241.44	7,205.44	7,205.44	44.59	249.82	-89.90	-3,851.81	-4,242.76	5,984.18	5,696.00	288.19	20.765			
8,100.00	7,241.61	7,205.61	7,205.61	46.34	249.82	-89.90	-3,851.81	-4,242.76	5,911.87	5,622.55	289.33	20.433			
8,200.00	7,241.77	7,205.77	7,205.77	48.20	249.83	-89.90	-3,851.81	-4,242.76	5,840.38	5,549.79	290.59	20.099			
8,300.00	7,241.94	7,205.94	7,205.94	50.16	249.84	-89.91	-3,851.81	-4,242.76	5,769.73	5,477.77	291.96	19.762			
8,400.00	7,242.11	7,206.11	7,206.11	52.20	249.84	-89.91	-3,851.81	-4,242.76	5,699.96	5,406.51	293.45	19.424			
8,500.00	7,242.27	7,206.27	7,206.27	54.31	249.85	-89.91	-3,851.81	-4,242.76	5,631.11	5,336.05	295.06	19.085			
8,600.00	7,242.44	7,206.44	7,206.44	56.49	249.85	-89.91	-3,851.81	-4,242.76	5,563.20	5,266.42	296.77	18.746			
8,700.00	7,242.60	7,206.60	7,206.60	58.73	249.86	-89.92	-3,851.81	-4,242.76	5,496.27	5,197.67	298.60	18.407			
8,800.00	7,242.77	7,206.77	7,206.77	61.03	249.86	-89.92	-3,851.81	-4,242.76	5,430.35	5,129.83	300.52	18.070			
8,900.00	7,242.94	7,206.94	7,206.94	63.37	249.87	-89.92	-3,851.81	-4,242.76	5,365.49	5,062.94	302.55	17.734			
9,000.00	7,243.10	7,207.10	7,207.10	65.75	249.88	-89.92	-3,851.81	-4,242.76	5,301.72	4,997.05	304.67	17.401			
9,100.00	7,243.27	7,207.27	7,207.27	68.18	249.88	-89.92	-3,851.81	-4,242.76	5,239.09	4,932.20	306.89	17.071			
9,200.00	7,243.44	7,207.44	7,207.44	70.63	249.89	-89.93	-3,851.81	-4,242.76	5,177.63	4,868.42	309.21	16.745			
9,300.00	7,243.60	7,207.60	7,207.60	73.12	249.89	-89.93	-3,851.81	-4,242.76	5,117.39	4,805.78	311.61	16.423			
9,400.00	7,243.77	7,207.77	7,207.77	75.63	249.90	-89.93	-3,851.81	-4,242.76	5,058.40	4,744.31	314.09	16.105			
9,500.00	7,243.94	7,207.94	7,207.94	78.17	249.91	-89.93	-3,851.81	-4,242.76	5,000.72	4,684.06	316.66	15.792			
9,600.00	7,244.10	7,208.10	7,208.10	80.73	249.91	-89.94	-3,851.81	-4,242.76	4,944.39	4,625.07	319.31	15.484			
9,700.00	7,244.27	7,208.27	7,208.27	83.31	249.92	-89.94	-3,851.81	-4,242.76	4,889.45	4,567.41	322.04	15.183			
9,800.00	7,244.44	7,208.44	7,208.44	85.91	249.92	-89.94	-3,851.81	-4,242.76	4,835.96	4,511.12	324.84	14.887			
9,900.00	7,244.60	7,208.60	7,208.60	88.53	249.93	-89.94	-3,851.81	-4,242.76	4,783.97	4,456.26	327.71	14.598			
10,000.00	7,244.77	7,208.77	7,208.77	91.16	249.93	-89.95	-3,851.81	-4,242.76	4,733.51	4,402.86	330.65	14.316			
10,100.00	7,244.94	7,208.94	7,208.94	93.81	249.94	-89.95	-3,851.81	-4,242.76	4,684.64	4,351.00	333.64	14.041			
10,200.00	7,245.10	7,209.10	7,209.10	96.46	249.95	-89.95	-3,851.81	-4,242.76	4,637.42	4,300.72	336.70	13.773			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
10,300.00	7,245.27	7,209.27	7,209.27	99.14	249.95	-89.95	-3,851.81	-4,242.76	4,591.89	4,252.08	339.81	13.513					
10,400.00	7,245.43	7,209.43	7,209.43	101.82	249.96	-89.95	-3,851.81	-4,242.76	4,548.10	4,205.14	342.96	13.261					
10,500.00	7,245.60	7,209.60	7,209.60	104.51	249.96	-89.96	-3,851.81	-4,242.76	4,506.11	4,159.94	346.17	13.017					
10,600.00	7,245.77	7,209.77	7,209.77	107.21	249.97	-89.96	-3,851.81	-4,242.76	4,465.96	4,116.55	349.41	12.782					
10,700.00	7,245.93	7,209.93	7,209.93	109.92	249.98	-89.96	-3,851.81	-4,242.76	4,427.71	4,075.03	352.68	12.554					
10,800.00	7,246.10	7,210.10	7,210.10	112.64	249.98	-89.96	-3,851.81	-4,242.76	4,391.40	4,035.42	355.98	12.336					
10,900.00	7,246.27	7,210.27	7,210.27	115.37	249.99	-89.97	-3,851.81	-4,242.76	4,357.08	3,997.78	359.30	12.127					
11,000.00	7,246.43	7,210.43	7,210.43	118.10	249.99	-89.97	-3,851.81	-4,242.76	4,324.80	3,962.16	362.64	11.926					
11,100.00	7,246.60	7,210.60	7,210.60	120.84	250.00	-89.97	-3,851.81	-4,242.76	4,294.61	3,928.63	365.98	11.734					
11,200.00	7,246.77	7,210.77	7,210.77	123.58	250.00	-89.97	-3,851.81	-4,242.76	4,266.55	3,897.22	369.33	11.552					
11,300.00	7,246.93	7,210.93	7,210.93	126.34	250.01	-89.98	-3,851.81	-4,242.76	4,240.67	3,868.00	372.67	11.379					
11,340.34	7,247.00	7,211.00	7,211.00	127.45	250.01	-89.98	-3,851.81	-4,242.76	4,230.85	3,856.84	374.01	11.312					
11,400.00	7,247.10	7,211.10	7,211.10	129.09	250.02	-89.98	-3,851.81	-4,242.76	4,216.39	3,840.40	375.99	11.214					
11,500.00	7,247.27	7,211.27	7,211.27	131.84	250.02	-89.97	-3,851.81	-4,242.76	4,191.23	3,811.97	379.26	11.051					
11,586.15	7,247.43	7,211.43	7,211.43	134.20	250.03	-89.97	-3,851.81	-4,242.76	4,168.64	3,786.62	382.03	10.912					
11,600.00	7,247.45	7,211.45	7,211.45	134.57	250.03	-89.97	-3,851.81	-4,242.76	4,164.96	3,782.49	382.47	10.890					
11,700.00	7,247.64	7,211.64	7,211.64	137.31	250.03	-89.97	-3,851.81	-4,242.76	4,139.68	3,754.04	385.64	10.735					
11,800.00	7,247.82	7,211.82	7,211.82	140.05	250.04	-89.98	-3,851.81	-4,242.76	4,116.68	3,727.89	388.78	10.589					
11,900.00	7,248.00	7,212.00	7,212.00	142.79	250.05	-89.98	-3,851.81	-4,242.76	4,095.98	3,704.09	391.89	10.452					
12,000.00	7,248.18	7,212.18	7,212.18	145.53	250.05	-89.98	-3,851.81	-4,242.76	4,077.64	3,682.68	394.96	10.324					
12,100.00	7,248.37	7,212.37	7,212.37	148.28	250.06	-89.98	-3,851.81	-4,242.76	4,061.67	3,663.70	397.97	10.206					
12,200.00	7,248.55	7,212.55	7,212.55	151.04	250.07	-89.99	-3,851.81	-4,242.76	4,048.11	3,647.19	400.93	10.097					
12,300.00	7,248.73	7,212.73	7,212.73	153.80	250.07	-89.99	-3,851.81	-4,242.76	4,036.99	3,633.17	403.82	9.997					
12,400.00	7,248.91	7,212.91	7,212.91	156.56	250.08	-89.99	-3,851.81	-4,242.76	4,028.31	3,621.68	406.63	9.906					
12,500.00	7,249.10	7,213.10	7,213.10	159.32	250.09	-89.99	-3,851.81	-4,242.76	4,022.11	3,612.73	409.37	9.825					
12,600.00	7,249.28	7,213.28	7,213.28	162.09	250.09	-90.00	-3,851.81	-4,242.76	4,018.38	3,606.35	412.03	9.753					
12,699.76	7,249.46	7,213.46	7,213.46	164.85	250.10	-90.00	-3,851.81	-4,242.76	4,017.15	3,602.56	414.59	9.689	CC				
12,700.00	7,249.46	7,213.46	7,213.46	164.86	250.10	-90.00	-3,851.81	-4,242.76	4,017.15	3,602.55	414.59	9.689					
12,800.00	7,249.64	7,213.64	7,213.64	167.63	250.10	-90.00	-3,851.81	-4,242.76	4,018.40	3,601.33	417.06	9.635	ES				
12,900.00	7,249.83	7,213.83	7,213.83	170.40	250.11	-90.01	-3,851.81	-4,242.76	4,022.13	3,602.70	419.43	9.589					
13,000.00	7,250.01	7,214.01	7,214.01	173.18	250.12	-90.01	-3,851.81	-4,242.76	4,028.35	3,606.65	421.70	9.553					
13,100.00	7,250.19	7,214.19	7,214.19	175.96	250.12	-90.01	-3,851.81	-4,242.76	4,037.04	3,613.18	423.85	9.525					
13,200.00	7,250.37	7,214.37	7,214.37	178.74	250.13	-90.01	-3,851.81	-4,242.76	4,048.17	3,622.27	425.90	9.505					
13,300.00	7,250.56	7,214.56	7,214.56	181.52	250.14	-90.02	-3,851.81	-4,242.76	4,061.74	3,633.91	427.84	9.494					
13,400.00	7,250.74	7,214.74	7,214.74	184.31	250.14	-90.02	-3,851.81	-4,242.76	4,077.72	3,648.06	429.66	9.491	SF				
13,500.00	7,250.92	7,214.92	7,214.92	187.09	250.15	-90.02	-3,851.81	-4,242.76	4,096.08	3,664.72	431.36	9.496					
13,600.00	7,251.10	7,215.10	7,215.10	189.88	250.16	-90.02	-3,851.81	-4,242.76	4,116.78	3,683.83	432.95	9.509					
13,700.00	7,251.29	7,215.29	7,215.29	192.67	250.16	-90.03	-3,851.81	-4,242.76	4,139.80	3,705.37	434.43	9.529					
13,800.00	7,251.47	7,215.47	7,215.47	195.47	250.17	-90.03	-3,851.81	-4,242.76	4,165.09	3,729.30	435.79	9.558					
13,900.00	7,251.65	7,215.65	7,215.65	198.26	250.17	-90.03	-3,851.81	-4,242.76	4,192.62	3,755.58	437.04	9.593					
14,000.00	7,251.83	7,215.83	7,215.83	201.05	250.18	-90.03	-3,851.81	-4,242.76	4,222.33	3,784.15	438.18	9.636					
14,100.00	7,252.01	7,216.01	7,216.01	203.85	250.19	-90.04	-3,851.81	-4,242.76	4,254.19	3,814.97	439.22	9.686					
14,200.00	7,252.20	7,216.20	7,216.20	206.65	250.19	-90.04	-3,851.81	-4,242.76	4,288.14	3,848.00	440.15	9.743					
14,300.00	7,252.38	7,216.38	7,216.38	209.45	250.20	-90.04	-3,851.81	-4,242.76	4,324.15	3,883.17	440.98	9.806					
14,400.00	7,252.56	7,216.56	7,216.56	212.25	250.21	-90.04	-3,851.81	-4,242.76	4,362.14	3,920.44	441.71	9.876					
14,500.00	7,252.74	7,216.74	7,216.74	215.05	250.21	-90.05	-3,851.81	-4,242.76	4,402.08	3,959.74	442.34	9.952					
14,600.00	7,252.93	7,216.93	7,216.93	217.86	250.22	-90.05	-3,851.81	-4,242.76	4,443.91	4,001.03	442.89	10.034					
14,700.00	7,253.11	7,217.11	7,217.11	220.66	250.23	-90.05	-3,851.81	-4,242.76	4,487.59	4,044.24	443.35	10.122					
14,800.00	7,253.29	7,217.29	7,217.29	223.47	250.23	-90.05	-3,851.81	-4,242.76	4,533.04	4,089.31	443.73	10.216					
14,900.00	7,253.47	7,217.47	7,217.47	226.27	250.24	-90.06	-3,851.81	-4,242.76	4,580.23	4,136.20	444.03	10.315					
15,000.00	7,253.66	7,217.66	7,217.66	229.08	250.24	-90.06	-3,851.81	-4,242.76	4,629.10	4,184.84	444.26	10.420					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
15,100.00	7,253.84	7,217.84	7,217.84	231.89	250.25	-90.06	-3,851.81	-4,242.76	4,679.60	4,235.18	444.41	10.530		
15,200.00	7,254.02	7,218.02	7,218.02	234.70	250.26	-90.07	-3,851.81	-4,242.76	4,731.67	4,287.16	444.51	10.645		
15,300.00	7,254.20	7,218.20	7,218.20	237.51	250.26	-90.07	-3,851.81	-4,242.76	4,785.26	4,340.72	444.54	10.765		
15,400.00	7,254.39	7,218.39	7,218.39	240.32	250.27	-90.07	-3,851.81	-4,242.76	4,840.33	4,395.81	444.51	10.889		
15,500.00	7,254.57	7,218.57	7,218.57	243.13	250.28	-90.07	-3,851.81	-4,242.76	4,896.82	4,452.38	444.44	11.018		
15,600.00	7,254.75	7,218.75	7,218.75	245.94	250.28	-90.08	-3,851.81	-4,242.76	4,954.68	4,510.37	444.31	11.151		
15,700.00	7,254.93	7,218.93	7,218.93	248.76	250.29	-90.08	-3,851.81	-4,242.76	5,013.87	4,569.74	444.13	11.289		
15,800.00	7,255.12	7,219.12	7,219.12	251.57	250.30	-90.08	-3,851.81	-4,242.76	5,074.34	4,630.42	443.92	11.431		
15,900.00	7,255.30	7,219.30	7,219.30	254.39	250.30	-90.08	-3,851.81	-4,242.76	5,136.05	4,692.39	443.66	11.576		
16,000.00	7,255.48	7,219.48	7,219.48	257.20	250.31	-90.09	-3,851.81	-4,242.76	5,198.95	4,755.57	443.37	11.726		
16,100.00	7,255.66	7,219.66	7,219.66	260.02	250.31	-90.09	-3,851.81	-4,242.76	5,262.99	4,819.94	443.05	11.879		
16,200.00	7,255.85	7,219.85	7,219.85	262.84	250.32	-90.09	-3,851.81	-4,242.76	5,328.14	4,885.45	442.70	12.036		
16,300.00	7,256.03	7,220.03	7,220.03	265.65	250.33	-90.09	-3,851.81	-4,242.76	5,394.37	4,952.05	442.31	12.196		
16,400.00	7,256.21	7,220.21	7,220.21	268.47	250.33	-90.10	-3,851.81	-4,242.76	5,461.61	5,019.70	441.91	12.359		
16,500.00	7,256.39	7,220.39	7,220.39	271.29	250.34	-90.10	-3,851.81	-4,242.76	5,529.85	5,088.37	441.48	12.526		
16,600.00	7,256.58	7,220.58	7,220.58	274.11	250.35	-90.10	-3,851.81	-4,242.76	5,599.05	5,158.01	441.03	12.695		
16,700.00	7,256.76	7,220.76	7,220.76	276.93	250.35	-90.10	-3,851.81	-4,242.76	5,669.16	5,228.59	440.57	12.868		
16,800.00	7,256.94	7,220.94	7,220.94	279.75	250.36	-90.11	-3,851.81	-4,242.76	5,740.16	5,300.07	440.09	13.043		
16,900.00	7,257.12	7,221.12	7,221.12	282.57	250.37	-90.11	-3,851.81	-4,242.76	5,812.01	5,372.42	439.59	13.221		
17,000.00	7,257.30	7,221.30	7,221.30	285.40	250.37	-90.11	-3,851.81	-4,242.76	5,884.68	5,445.60	439.09	13.402		
17,100.00	7,257.49	7,221.49	7,221.49	288.22	250.38	-90.11	-3,851.81	-4,242.76	5,958.15	5,519.58	438.57	13.585		
17,200.00	7,257.67	7,221.67	7,221.67	291.04	250.38	-90.12	-3,851.81	-4,242.76	6,032.38	5,594.34	438.04	13.771		
17,300.00	7,257.85	7,221.85	7,221.85	293.87	250.39	-90.12	-3,851.81	-4,242.76	6,107.34	5,669.84	437.51	13.959		
17,400.00	7,258.03	7,222.03	7,222.03	296.69	250.40	-90.12	-3,851.81	-4,242.76	6,183.02	5,746.05	436.96	14.150		
17,500.00	7,258.22	7,222.22	7,222.22	299.51	250.40	-90.12	-3,851.81	-4,242.76	6,259.37	5,822.95	436.42	14.343		
17,600.00	7,258.40	7,222.40	7,222.40	302.34	250.41	-90.13	-3,851.81	-4,242.76	6,336.38	5,900.52	435.87	14.537		
17,700.00	7,258.58	7,222.58	7,222.58	305.16	250.42	-90.13	-3,851.81	-4,242.76	6,414.03	5,978.72	435.31	14.734		
17,800.00	7,258.76	7,222.76	7,222.76	307.99	250.42	-90.13	-3,851.81	-4,242.76	6,492.29	6,057.54	434.76	14.933		
17,900.00	7,258.95	7,222.95	7,222.95	310.82	250.43	-90.14	-3,851.81	-4,242.76	6,571.14	6,136.94	434.20	15.134		
18,000.00	7,259.13	7,223.13	7,223.13	313.64	250.44	-90.14	-3,851.81	-4,242.76	6,650.56	6,216.92	433.64	15.337		
18,100.00	7,259.31	7,223.31	7,223.31	316.47	250.44	-90.14	-3,851.81	-4,242.76	6,730.53	6,297.45	433.08	15.541		
18,200.00	7,259.49	7,223.49	7,223.49	319.30	250.45	-90.14	-3,851.81	-4,242.76	6,811.02	6,378.50	432.52	15.747		
18,300.00	7,259.68	7,223.68	7,223.68	322.12	250.46	-90.15	-3,851.81	-4,242.76	6,892.03	6,460.07	431.96	15.955		
18,400.00	7,259.86	7,223.86	7,223.86	324.95	250.46	-90.15	-3,851.81	-4,242.76	6,973.53	6,542.12	431.41	16.165		
18,500.00	7,260.04	7,224.04	7,224.04	327.78	250.47	-90.15	-3,851.81	-4,242.76	7,055.51	6,624.65	430.86	16.376		
18,600.00	7,260.22	7,224.22	7,224.22	330.61	250.47	-90.15	-3,851.81	-4,242.76	7,137.94	6,707.64	430.31	16.588		
18,700.00	7,260.41	7,224.41	7,224.41	333.44	250.48	-90.16	-3,851.81	-4,242.76	7,220.82	6,791.06	429.76	16.802		
18,800.00	7,260.59	7,224.59	7,224.59	336.27	250.49	-90.16	-3,851.81	-4,242.76	7,304.13	6,874.91	429.22	17.017		
18,900.00	7,260.77	7,224.77	7,224.77	339.10	250.49	-90.16	-3,851.81	-4,242.76	7,387.85	6,959.17	428.68	17.234		
19,000.00	7,260.95	7,224.95	7,224.95	341.93	250.50	-90.16	-3,851.81	-4,242.76	7,471.97	7,043.83	428.14	17.452		
19,025.91	7,261.00	7,225.00	7,225.00	342.66	250.50	-90.16	-3,851.81	-4,242.76	7,493.84	7,065.83	428.00	17.509		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	2.00	2.00	3.28	3.28	-101.63	-1,172.78	-5,700.15	5,819.55					
100.00	100.00	102.00	102.00	3.28	3.75	-101.63	-1,172.78	-5,700.15	5,819.55	5,812.52	7.03	827.401		
200.00	200.00	202.00	202.00	3.34	6.24	-101.63	-1,172.78	-5,700.15	5,819.55	5,809.97	9.58	607.770		
300.00	299.98	301.98	301.98	3.44	9.39	167.66	-1,172.78	-5,700.15	5,821.26	5,808.42	12.83	453.686		
400.00	399.84	401.84	401.84	3.60	12.71	167.65	-1,172.78	-5,700.15	5,826.37	5,810.05	16.31	357.158		
500.00	499.45	501.45	501.45	3.81	16.10	167.63	-1,172.78	-5,700.15	5,834.88	5,814.98	19.90	293.167		
600.00	598.70	600.70	600.70	4.05	19.50	167.61	-1,172.78	-5,700.15	5,846.79	5,823.24	23.55	248.225		
700.00	697.47	700.53	699.47	4.34	22.95	167.57	-1,172.78	-5,700.15	5,862.08	5,834.80	27.28	214.888		
800.00	795.62	802.38	797.62	4.66	26.47	167.53	-1,172.78	-5,700.15	5,880.72	5,849.61	31.12	188.990		
849.22	843.68	845.68	845.68	4.84	27.97	167.51	-1,172.78	-5,700.15	5,891.13	5,858.34	32.78	179.693		
900.00	893.16	904.84	895.16	5.02	30.02	167.53	-1,172.78	-5,700.15	5,902.28	5,867.27	35.01	168.595		
1,000.00	990.60	1,007.40	992.60	5.41	33.58	167.58	-1,172.78	-5,700.15	5,924.25	5,885.33	38.92	152.219		
1,100.00	1,088.05	1,109.95	1,090.05	5.83	37.15	167.62	-1,172.78	-5,700.15	5,946.22	5,903.37	42.85	138.763		
1,200.00	1,185.49	1,187.49	1,187.49	6.26	39.85	167.67	-1,172.78	-5,700.15	5,968.19	5,922.26	45.93	129.939		
1,300.00	1,282.93	1,284.93	1,284.93	6.70	43.24	167.72	-1,172.78	-5,700.15	5,990.17	5,940.45	49.72	120.488		
1,400.00	1,380.37	1,382.37	1,382.37	7.15	46.63	167.76	-1,172.78	-5,700.15	6,012.15	5,958.64	53.51	112.349		
1,500.00	1,477.82	1,479.82	1,479.82	7.62	50.02	167.81	-1,172.78	-5,700.15	6,034.14	5,976.82	57.32	105.272		
1,600.00	1,575.26	1,577.26	1,577.26	8.09	53.42	167.85	-1,172.78	-5,700.15	6,056.12	5,994.99	61.13	99.063		
1,700.00	1,672.70	1,674.70	1,674.70	8.57	56.81	167.90	-1,172.78	-5,700.15	6,078.12	6,013.16	64.96	93.574		
1,800.00	1,770.15	1,772.15	1,772.15	9.05	60.21	167.94	-1,172.78	-5,700.15	6,100.11	6,031.33	68.78	88.687		
1,900.00	1,867.59	1,869.59	1,869.59	9.54	63.61	167.98	-1,172.78	-5,700.15	6,122.11	6,049.50	72.61	84.310		
2,000.00	1,965.03	1,967.03	1,967.03	10.03	67.00	168.03	-1,172.78	-5,700.15	6,144.11	6,067.66	76.45	80.368		
2,100.00	2,062.48	2,064.48	2,064.48	10.53	70.40	168.07	-1,172.78	-5,700.15	6,166.12	6,085.83	80.29	76.799		
2,200.00	2,159.92	2,161.92	2,161.92	11.03	73.80	168.11	-1,172.78	-5,700.15	6,188.13	6,103.99	84.13	73.553		
2,300.00	2,257.36	2,259.36	2,259.36	11.53	77.20	168.16	-1,172.78	-5,700.15	6,210.14	6,122.16	87.98	70.588		
2,400.00	2,354.81	2,356.81	2,356.81	12.03	80.60	168.20	-1,172.78	-5,700.15	6,232.15	6,140.33	91.83	67.870		
2,500.00	2,452.25	2,454.25	2,454.25	12.54	84.00	168.24	-1,172.78	-5,700.15	6,254.17	6,158.50	95.68	65.369		
2,600.00	2,549.69	2,551.69	2,551.69	13.04	87.40	168.28	-1,172.78	-5,700.15	6,276.19	6,176.67	99.53	63.060		
2,700.00	2,647.13	2,649.13	2,649.13	13.55	90.80	168.32	-1,172.78	-5,700.15	6,298.22	6,194.84	103.38	60.923		
2,800.00	2,744.58	2,746.58	2,746.58	14.06	94.19	168.36	-1,172.78	-5,700.15	6,320.25	6,213.01	107.24	58.938		
2,900.00	2,842.02	2,844.02	2,844.02	14.57	97.59	168.41	-1,172.78	-5,700.15	6,342.28	6,231.19	111.09	57.091		
3,000.00	2,939.46	2,941.46	2,941.46	15.09	100.99	168.45	-1,172.78	-5,700.15	6,364.31	6,249.36	114.95	55.366		
3,100.00	3,036.91	3,038.91	3,038.91	15.60	104.39	168.49	-1,172.78	-5,700.15	6,386.35	6,267.54	118.81	53.754		
3,200.00	3,134.35	3,136.35	3,136.35	16.11	107.79	168.53	-1,172.78	-5,700.15	6,408.39	6,285.72	122.67	52.242		
3,300.00	3,231.79	3,233.79	3,233.79	16.63	111.19	168.57	-1,172.78	-5,700.15	6,430.43	6,303.91	126.53	50.823		
3,400.00	3,329.24	3,331.24	3,331.24	17.14	114.60	168.61	-1,172.78	-5,700.15	6,452.48	6,322.09	130.39	49.487		
3,500.00	3,426.68	3,428.68	3,428.68	17.66	118.00	168.65	-1,172.78	-5,700.15	6,474.53	6,340.28	134.25	48.227		
3,600.00	3,524.12	3,526.12	3,526.12	18.18	121.40	168.68	-1,172.78	-5,700.15	6,496.58	6,358.47	138.11	47.038		
3,700.00	3,621.57	3,623.57	3,623.57	18.69	124.80	168.72	-1,172.78	-5,700.15	6,518.63	6,376.66	141.98	45.914		
3,800.00	3,719.01	3,721.01	3,721.01	19.21	128.20	168.76	-1,172.78	-5,700.15	6,540.69	6,394.85	145.84	44.848		
3,900.00	3,816.45	3,818.45	3,818.45	19.73	131.60	168.80	-1,172.78	-5,700.15	6,562.75	6,413.05	149.70	43.838		
4,000.00	3,913.90	3,915.90	3,915.90	20.25	135.00	168.84	-1,172.78	-5,700.15	6,584.82	6,431.25	153.57	42.879		
4,100.00	4,011.34	4,013.34	4,013.34	20.77	138.40	168.88	-1,172.78	-5,700.15	6,606.88	6,449.45	157.43	41.966		
4,200.00	4,108.78	4,110.78	4,110.78	21.29	141.80	168.91	-1,172.78	-5,700.15	6,628.95	6,467.65	161.30	41.097		
4,300.00	4,206.22	4,208.22	4,208.22	21.81	145.20	168.95	-1,172.78	-5,700.15	6,651.02	6,485.86	165.17	40.269		
4,400.00	4,303.67	4,305.67	4,305.67	22.33	148.60	168.99	-1,172.78	-5,700.15	6,673.10	6,504.06	169.03	39.478		
4,500.00	4,401.11	4,403.11	4,403.11	22.85	152.00	169.02	-1,172.78	-5,700.15	6,695.17	6,522.27	172.90	38.723		
4,600.00	4,498.55	4,500.55	4,500.55	23.37	155.40	169.06	-1,172.78	-5,700.15	6,717.25	6,540.48	176.77	38.001		
4,700.00	4,596.00	4,602.00	4,598.00	23.89	158.94	169.10	-1,172.78	-5,700.15	6,739.33	6,558.56	180.77	37.281		
4,800.00	4,693.44	4,704.56	4,695.44	24.41	162.52	169.13	-1,172.78	-5,700.15	6,761.42	6,576.60	184.82	36.584		
4,900.00	4,790.88	4,807.12	4,792.88	24.93	166.10	169.17	-1,172.78	-5,700.15	6,783.50	6,594.64	188.87	35.917		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,888.33	4,909.67	4,890.33	25.46	169.68	169.20	-1,172.78	-5,700.15	6,805.59	6,612.68	192.91	35.278					
5,100.00	4,985.77	4,987.77	4,987.77	25.98	172.41	169.24	-1,172.78	-5,700.15	6,827.68	6,631.58	196.11	34.816					
5,200.00	5,083.21	5,085.21	5,085.21	26.50	175.81	169.27	-1,172.78	-5,700.15	6,849.78	6,649.81	199.97	34.253					
5,300.00	5,180.66	5,182.66	5,182.66	27.02	179.21	169.31	-1,172.78	-5,700.15	6,871.88	6,668.03	203.84	33.712					
5,400.00	5,278.10	5,280.10	5,280.10	27.55	182.61	169.34	-1,172.78	-5,700.15	6,893.97	6,686.26	207.71	33.190					
5,500.00	5,375.54	5,377.54	5,377.54	28.07	186.01	169.38	-1,172.78	-5,700.15	6,916.08	6,704.50	211.58	32.688					
5,582.90	5,456.32	5,458.32	5,458.32	28.50	188.83	169.41	-1,172.78	-5,700.15	6,934.40	6,719.61	214.79	32.285					
5,600.00	5,473.00	5,475.00	5,475.00	28.59	189.42	169.43	-1,172.78	-5,700.15	6,938.13	6,722.68	215.45	32.203					
5,700.00	5,570.93	5,572.93	5,572.93	29.10	192.83	169.53	-1,172.78	-5,700.15	6,957.98	6,738.65	219.33	31.724					
5,800.00	5,669.52	5,671.52	5,671.52	29.57	196.27	169.62	-1,172.78	-5,700.15	6,974.46	6,751.24	223.22	31.244					
5,900.00	5,768.62	5,770.62	5,770.62	30.03	199.73	169.68	-1,172.78	-5,700.15	6,987.55	6,760.43	227.12	30.765					
6,000.00	5,868.13	5,870.13	5,870.13	30.45	203.21	169.73	-1,172.78	-5,700.15	6,997.22	6,766.20	231.03	30.287					
6,100.00	5,967.93	5,969.93	5,969.93	30.86	206.69	169.76	-1,172.78	-5,700.15	7,003.48	6,768.55	234.93	29.811					
6,200.00	6,067.88	6,069.88	6,069.88	31.24	210.18	169.78	-1,172.78	-5,700.15	7,006.30	6,767.47	238.83	29.336					
6,232.12	6,100.00	6,102.00	6,102.00	31.36	211.30	-99.51	-1,172.78	-5,700.15	7,006.47	6,766.40	240.07	29.185					
6,300.00	6,167.88	6,169.88	6,169.88	31.61	213.67	-99.51	-1,172.78	-5,700.15	7,006.47	6,763.78	242.70	28.869					
6,400.00	6,267.88	6,269.88	6,269.88	31.97	217.16	-99.51	-1,172.78	-5,700.15	7,006.47	6,759.91	246.57	28.416					
6,500.00	6,367.88	6,369.88	6,369.88	32.34	220.65	-99.51	-1,172.78	-5,700.15	7,006.47	6,756.04	250.44	27.977					
6,600.00	6,467.88	6,469.88	6,469.88	32.70	224.14	-99.51	-1,172.78	-5,700.15	7,006.47	6,752.17	254.31	27.551					
6,700.00	6,567.88	6,569.88	6,569.88	33.07	227.63	-99.51	-1,172.78	-5,700.15	7,006.47	6,748.29	258.18	27.138					
6,736.50	6,604.38	6,606.38	6,606.38	33.21	228.91	-99.51	-1,172.78	-5,700.15	7,006.47	6,746.88	259.60	26.990					
6,750.00	6,617.88	6,619.88	6,619.88	33.25	229.38	-12.42	-1,172.78	-5,700.15	7,006.33	6,746.22	260.12	26.935					
6,800.00	6,667.77	6,669.77	6,669.77	33.43	231.12	-12.48	-1,172.78	-5,700.15	7,003.38	6,741.35	262.03	26.727					
6,850.00	6,717.28	6,719.28	6,719.28	33.60	232.85	-12.63	-1,172.78	-5,700.15	6,996.62	6,732.70	263.92	26.511					
6,900.00	6,766.09	6,768.09	6,768.09	33.79	234.55	-12.86	-1,172.78	-5,700.15	6,986.08	6,720.32	265.76	26.287					
6,950.00	6,813.90	6,815.90	6,815.90	33.99	236.22	-13.19	-1,172.78	-5,700.15	6,971.84	6,704.28	267.56	26.057					
7,000.00	6,860.42	6,862.42	6,862.42	34.20	237.84	-13.63	-1,172.78	-5,700.15	6,953.98	6,684.69	269.30	25.823					
7,050.00	6,905.36	6,907.36	6,907.36	34.42	239.41	-14.18	-1,172.78	-5,700.15	6,932.62	6,661.65	270.97	25.585					
7,100.00	6,948.45	6,950.45	6,950.45	34.67	240.92	-14.88	-1,172.78	-5,700.15	6,907.88	6,635.33	272.55	25.345					
7,150.00	6,989.41	7,008.59	6,991.41	34.94	242.95	-15.74	-1,172.78	-5,700.15	6,879.93	6,605.28	274.65	25.049					
7,200.00	7,028.00	7,030.00	7,030.00	35.24	243.69	-16.81	-1,172.78	-5,700.15	6,848.93	6,573.47	275.46	24.864					
7,250.00	7,063.98	7,065.98	7,065.98	35.56	244.95	-18.14	-1,172.78	-5,700.15	6,815.08	6,538.32	276.76	24.624					
7,300.00	7,097.13	7,100.87	7,099.13	35.92	246.17	-19.80	-1,172.78	-5,700.15	6,778.60	6,500.58	278.02	24.382					
7,350.00	7,127.23	7,129.23	7,129.23	36.32	247.16	-21.90	-1,172.78	-5,700.15	6,739.70	6,460.65	279.04	24.153					
7,400.00	7,154.12	7,156.12	7,156.12	36.75	248.10	-24.59	-1,172.78	-5,700.15	6,698.63	6,418.62	280.01	23.923					
7,450.00	7,177.61	7,179.61	7,179.61	37.22	248.92	-28.11	-1,172.78	-5,700.15	6,655.65	6,374.79	280.86	23.698					
7,500.00	7,197.57	7,200.43	7,199.57	37.73	249.64	-32.81	-1,172.78	-5,700.15	6,611.01	6,329.41	281.61	23.476					
7,550.00	7,213.88	7,215.88	7,215.88	38.28	250.18	-39.23	-1,172.78	-5,700.15	6,565.01	6,282.84	282.17	23.266					
7,600.00	7,226.42	7,228.42	7,228.42	38.87	250.62	-48.15	-1,172.78	-5,700.15	6,517.93	6,235.29	282.64	23.061					
7,650.00	7,235.13	7,237.13	7,237.13	39.48	250.92	-60.50	-1,172.78	-5,700.15	6,470.05	6,187.07	282.98	22.864					
7,700.00	7,239.95	7,241.95	7,241.95	40.12	251.09	-76.64	-1,172.78	-5,700.15	6,421.67	6,138.48	283.19	22.676					
7,735.44	7,241.00	7,243.00	7,243.00	40.59	251.13	-89.61	-1,172.78	-5,700.15	6,387.24	6,103.98	283.27	22.549					
7,800.00	7,241.11	7,243.11	7,243.11	41.47	251.13	-89.61	-1,172.78	-5,700.15	6,324.53	6,041.18	283.34	22.321					
7,900.00	7,241.27	7,243.27	7,243.27	42.96	251.14	-89.62	-1,172.78	-5,700.15	6,227.45	5,943.97	283.48	21.968					
8,000.00	7,241.44	7,243.44	7,243.44	44.59	251.14	-89.62	-1,172.78	-5,700.15	6,130.47	5,846.82	283.65	21.613					
8,100.00	7,241.61	7,243.61	7,243.61	46.34	251.15	-89.63	-1,172.78	-5,700.15	6,033.59	5,749.75	283.84	21.257					
8,200.00	7,241.77	7,243.77	7,243.77	48.20	251.16	-89.64	-1,172.78	-5,700.15	5,936.81	5,652.75	284.06	20.900					
8,300.00	7,241.94	7,243.94	7,243.94	50.16	251.16	-89.64	-1,172.78	-5,700.15	5,840.14	5,555.83	284.30	20.542					
8,400.00	7,242.11	7,244.11	7,244.11	52.20	251.17	-89.65	-1,172.78	-5,700.15	5,743.58	5,459.00	284.58	20.183					
8,500.00	7,242.27	7,244.27	7,244.27	54.31	251.17	-89.66	-1,172.78	-5,700.15	5,647.14	5,362.25	284.89	19.822					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,600.00	7,242.44	7,244.44	7,244.44	56.49	251.18	-89.66	-1,172.78	-5,700.15	5,550.83	5,265.59	285.24	19.460			
8,700.00	7,242.60	7,244.60	7,244.60	58.73	251.19	-89.67	-1,172.78	-5,700.15	5,454.65	5,169.03	285.62	19.097			
8,800.00	7,242.77	7,244.77	7,244.77	61.03	251.19	-89.67	-1,172.78	-5,700.15	5,358.61	5,072.56	286.05	18.733			
8,900.00	7,242.94	7,244.94	7,244.94	63.37	251.20	-89.68	-1,172.78	-5,700.15	5,262.72	4,976.21	286.52	18.368			
9,000.00	7,243.10	7,245.10	7,245.10	65.75	251.20	-89.69	-1,172.78	-5,700.15	5,166.99	4,879.96	287.03	18.001			
9,100.00	7,243.27	7,245.27	7,245.27	68.18	251.21	-89.69	-1,172.78	-5,700.15	5,071.42	4,783.82	287.59	17.634			
9,200.00	7,243.44	7,245.44	7,245.44	70.63	251.21	-89.70	-1,172.78	-5,700.15	4,976.02	4,687.82	288.21	17.265			
9,300.00	7,243.60	7,245.60	7,245.60	73.12	251.22	-89.71	-1,172.78	-5,700.15	4,880.81	4,591.94	288.87	16.896			
9,400.00	7,243.77	7,245.77	7,245.77	75.63	251.23	-89.71	-1,172.78	-5,700.15	4,785.79	4,496.20	289.60	16.526			
9,500.00	7,243.94	7,245.94	7,245.94	78.17	251.23	-89.72	-1,172.78	-5,700.15	4,690.98	4,400.60	290.38	16.154			
9,600.00	7,244.10	7,246.10	7,246.10	80.73	251.24	-89.73	-1,172.78	-5,700.15	4,596.39	4,305.16	291.23	15.783			
9,700.00	7,244.27	7,246.27	7,246.27	83.31	251.24	-89.73	-1,172.78	-5,700.15	4,502.04	4,209.89	292.15	15.410			
9,800.00	7,244.44	7,246.44	7,246.44	85.91	251.25	-89.74	-1,172.78	-5,700.15	4,407.93	4,114.80	293.14	15.037			
9,900.00	7,244.60	7,246.60	7,246.60	88.53	251.26	-89.74	-1,172.78	-5,700.15	4,314.09	4,019.89	294.20	14.664			
10,000.00	7,244.77	7,246.77	7,246.77	91.16	251.26	-89.75	-1,172.78	-5,700.15	4,220.53	3,925.19	295.34	14.290			
10,100.00	7,244.94	7,246.94	7,246.94	93.81	251.27	-89.76	-1,172.78	-5,700.15	4,127.28	3,830.71	296.57	13.917			
10,200.00	7,245.10	7,247.10	7,247.10	96.46	251.27	-89.76	-1,172.78	-5,700.15	4,034.34	3,736.46	297.88	13.543			
10,300.00	7,245.27	7,247.27	7,247.27	99.14	251.28	-89.77	-1,172.78	-5,700.15	3,941.75	3,642.46	299.29	13.170			
10,400.00	7,245.43	7,247.43	7,247.43	101.82	251.28	-89.78	-1,172.78	-5,700.15	3,849.54	3,548.74	300.80	12.798			
10,500.00	7,245.60	7,247.60	7,247.60	104.51	251.29	-89.78	-1,172.78	-5,700.15	3,757.72	3,455.31	302.41	12.426			
10,600.00	7,245.77	7,247.77	7,247.77	107.21	251.30	-89.79	-1,172.78	-5,700.15	3,666.33	3,362.19	304.14	12.055			
10,700.00	7,245.93	7,247.93	7,247.93	109.92	251.30	-89.79	-1,172.78	-5,700.15	3,575.40	3,269.42	305.98	11.685			
10,800.00	7,246.10	7,248.10	7,248.10	112.64	251.31	-89.80	-1,172.78	-5,700.15	3,484.96	3,177.02	307.94	11.317			
10,900.00	7,246.27	7,248.27	7,248.27	115.37	251.31	-89.81	-1,172.78	-5,700.15	3,395.07	3,085.03	310.04	10.951			
11,000.00	7,246.43	7,248.43	7,248.43	118.10	251.32	-89.81	-1,172.78	-5,700.15	3,305.75	2,993.48	312.27	10.586			
11,100.00	7,246.60	7,248.60	7,248.60	120.84	251.33	-89.82	-1,172.78	-5,700.15	3,217.07	2,902.41	314.65	10.224			
11,200.00	7,246.77	7,248.77	7,248.77	123.58	251.33	-89.83	-1,172.78	-5,700.15	3,129.06	2,811.87	317.19	9.865			
11,300.00	7,246.93	7,248.93	7,248.93	126.34	251.34	-89.83	-1,172.78	-5,700.15	3,041.80	2,721.90	319.89	9.509			
11,340.34	7,247.00	7,249.00	7,249.00	127.45	251.34	-89.84	-1,172.78	-5,700.15	3,006.82	2,685.79	321.03	9.366			
11,400.00	7,247.10	7,249.10	7,249.10	129.09	251.34	-89.83	-1,172.78	-5,700.15	2,955.03	2,632.29	322.74	9.156			
11,500.00	7,247.27	7,249.27	7,249.27	131.84	251.35	-89.81	-1,172.78	-5,700.15	2,867.50	2,541.90	325.60	8.807			
11,586.15	7,247.43	7,249.43	7,249.43	134.20	251.35	-89.80	-1,172.78	-5,700.15	2,791.40	2,463.34	328.07	8.509			
11,600.00	7,247.45	7,249.45	7,249.45	134.57	251.35	-89.80	-1,172.78	-5,700.15	2,779.12	2,450.66	328.46	8.461			
11,700.00	7,247.64	7,249.64	7,249.64	137.31	251.36	-89.81	-1,172.78	-5,700.15	2,690.92	2,359.49	331.44	8.119			
11,800.00	7,247.82	7,249.82	7,249.82	140.05	251.37	-89.82	-1,172.78	-5,700.15	2,603.58	2,268.97	334.61	7.781			
11,900.00	7,248.00	7,250.00	7,250.00	142.79	251.37	-89.82	-1,172.78	-5,700.15	2,517.17	2,179.17	338.00	7.447			
12,000.00	7,248.18	7,250.18	7,250.18	145.53	251.38	-89.83	-1,172.78	-5,700.15	2,431.81	2,090.19	341.61	7.119			
12,100.00	7,248.37	7,250.37	7,250.37	148.28	251.39	-89.84	-1,172.78	-5,700.15	2,347.60	2,002.13	345.47	6.795			
12,200.00	7,248.55	7,250.55	7,250.55	151.04	251.39	-89.85	-1,172.78	-5,700.15	2,264.68	1,915.09	349.59	6.478			
12,300.00	7,248.73	7,250.73	7,250.73	153.80	251.40	-89.86	-1,172.78	-5,700.15	2,183.19	1,829.20	353.99	6.167			
12,400.00	7,248.91	7,250.91	7,250.91	156.56	251.41	-89.87	-1,172.78	-5,700.15	2,103.30	1,744.63	358.67	5.864			
12,500.00	7,249.10	7,251.10	7,251.10	159.32	251.41	-89.87	-1,172.78	-5,700.15	2,025.19	1,661.54	363.65	5.569			
12,600.00	7,249.28	7,251.28	7,251.28	162.09	251.42	-89.88	-1,172.78	-5,700.15	1,949.09	1,580.14	368.94	5.283			
12,700.00	7,249.46	7,251.46	7,251.46	164.86	251.42	-89.89	-1,172.78	-5,700.15	1,875.23	1,500.68	374.55	5.007			
12,800.00	7,249.64	7,251.64	7,251.64	167.63	251.43	-89.90	-1,172.78	-5,700.15	1,803.89	1,423.43	380.46	4.741			
12,900.00	7,249.83	7,251.83	7,251.83	170.40	251.44	-89.91	-1,172.78	-5,700.15	1,735.38	1,348.71	386.67	4.488			
13,000.00	7,250.01	7,252.01	7,252.01	173.18	251.44	-89.91	-1,172.78	-5,700.15	1,670.06	1,276.90	393.16	4.248			
13,100.00	7,250.19	7,252.19	7,252.19	175.96	251.45	-89.92	-1,172.78	-5,700.15	1,608.30	1,208.43	399.88	4.022			
13,200.00	7,250.37	7,252.37	7,252.37	178.74	251.46	-89.93	-1,172.78	-5,700.15	1,550.54	1,143.78	406.76	3.812			
13,300.00	7,250.56	7,252.56	7,252.56	181.52	251.46	-89.94	-1,172.78	-5,700.15	1,497.24	1,083.50	413.74	3.619			
13,400.00	7,250.74	7,252.74	7,252.74	184.31	251.47	-89.95	-1,172.78	-5,700.15	1,448.88	1,028.21	420.67	3.444			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH														Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,500.00	7,250.92	7,252.92	7,252.92	187.09	251.48	-89.95	-1,172.78	-5,700.15	1,405.99	978.54	427.44	3.289			
13,600.00	7,251.10	7,253.10	7,253.10	189.88	251.48	-89.96	-1,172.78	-5,700.15	1,369.07	935.19	433.88	3.155			
13,700.00	7,251.29	7,253.29	7,253.29	192.67	251.49	-89.97	-1,172.78	-5,700.15	1,338.61	898.83	439.79	3.044			
13,800.00	7,251.47	7,253.47	7,253.47	195.47	251.49	-89.98	-1,172.78	-5,700.15	1,315.08	870.09	444.98	2.955			
13,900.00	7,251.65	7,253.65	7,253.65	198.26	251.50	-89.99	-1,172.78	-5,700.15	1,298.83	849.54	449.29	2.891			
14,000.00	7,251.83	7,253.83	7,253.83	201.05	251.51	-89.99	-1,172.78	-5,700.15	1,290.16	837.60	452.56	2.851			
14,062.30	7,251.95	7,253.95	7,253.95	202.80	251.51	-90.00	-1,172.78	-5,700.15	1,288.65	834.63	454.02	2.838 CC			
14,100.00	7,252.01	7,254.01	7,254.01	203.85	251.51	-90.00	-1,172.78	-5,700.15	1,289.20	834.52	454.68	2.835 ES, SF			
14,200.00	7,252.20	7,254.20	7,254.20	206.65	251.52	-90.01	-1,172.78	-5,700.15	1,295.99	840.38	455.61	2.844			
14,300.00	7,252.38	7,254.38	7,254.38	209.45	251.53	-90.02	-1,172.78	-5,700.15	1,310.39	855.01	455.38	2.878			
14,400.00	7,252.56	7,254.56	7,254.56	212.25	251.53	-90.03	-1,172.78	-5,700.15	1,332.17	878.11	454.06	2.934			
14,500.00	7,252.74	7,254.74	7,254.74	215.05	251.54	-90.04	-1,172.78	-5,700.15	1,360.96	909.19	451.77	3.013			
14,600.00	7,252.93	7,254.93	7,254.93	217.86	251.55	-90.04	-1,172.78	-5,700.15	1,396.33	947.66	448.67	3.112			
14,700.00	7,253.11	7,255.11	7,255.11	220.66	251.55	-90.05	-1,172.78	-5,700.15	1,437.81	992.87	444.93	3.232			
14,800.00	7,253.29	7,255.29	7,255.29	223.47	251.56	-90.06	-1,172.78	-5,700.15	1,484.87	1,044.15	440.72	3.369			
14,900.00	7,253.47	7,255.47	7,255.47	226.27	251.56	-90.07	-1,172.78	-5,700.15	1,537.00	1,100.82	436.18	3.524			
15,000.00	7,253.66	7,255.66	7,255.66	229.08	251.57	-90.08	-1,172.78	-5,700.15	1,593.71	1,162.27	431.44	3.694			
15,100.00	7,253.84	7,255.84	7,255.84	231.89	251.58	-90.08	-1,172.78	-5,700.15	1,654.52	1,227.90	426.62	3.878			
15,200.00	7,254.02	7,256.02	7,256.02	234.70	251.58	-90.09	-1,172.78	-5,700.15	1,719.01	1,297.21	421.80	4.075			
15,300.00	7,254.20	7,256.20	7,256.20	237.51	251.59	-90.10	-1,172.78	-5,700.15	1,786.76	1,369.72	417.04	4.284			
15,400.00	7,254.39	7,256.39	7,256.39	240.32	251.60	-90.11	-1,172.78	-5,700.15	1,857.43	1,445.03	412.40	4.504			
15,500.00	7,254.57	7,256.57	7,256.57	243.13	251.60	-90.12	-1,172.78	-5,700.15	1,930.70	1,522.79	407.91	4.733			
15,600.00	7,254.75	7,256.75	7,256.75	245.94	251.61	-90.12	-1,172.78	-5,700.15	2,006.28	1,602.68	403.60	4.971			
15,700.00	7,254.93	7,256.93	7,256.93	248.76	251.62	-90.13	-1,172.78	-5,700.15	2,083.91	1,684.45	399.46	5.217			
15,800.00	7,255.12	7,257.12	7,257.12	251.57	251.62	-90.14	-1,172.78	-5,700.15	2,163.38	1,767.86	395.52	5.470			
15,900.00	7,255.30	7,257.30	7,257.30	254.39	251.63	-90.15	-1,172.78	-5,700.15	2,244.50	1,852.73	391.77	5.729			
16,000.00	7,255.48	7,257.48	7,257.48	257.20	251.64	-90.16	-1,172.78	-5,700.15	2,327.08	1,938.87	388.21	5.994			
16,100.00	7,255.66	7,257.66	7,257.66	260.02	251.64	-90.17	-1,172.78	-5,700.15	2,410.98	2,026.15	384.84	6.265			
16,200.00	7,255.85	7,257.85	7,257.85	262.84	251.65	-90.17	-1,172.78	-5,700.15	2,496.07	2,114.43	381.64	6.540			
16,300.00	7,256.03	7,258.03	7,258.03	265.65	251.65	-90.18	-1,172.78	-5,700.15	2,582.23	2,203.61	378.62	6.820			
16,400.00	7,256.21	7,258.21	7,258.21	268.47	251.66	-90.19	-1,172.78	-5,700.15	2,669.35	2,293.59	375.76	7.104			
16,500.00	7,256.39	7,258.39	7,258.39	271.29	251.67	-90.20	-1,172.78	-5,700.15	2,757.35	2,384.30	373.05	7.391			
16,600.00	7,256.58	7,258.58	7,258.58	274.11	251.67	-90.21	-1,172.78	-5,700.15	2,846.14	2,475.65	370.50	7.682			
16,700.00	7,256.76	7,258.76	7,258.76	276.93	251.68	-90.21	-1,172.78	-5,700.15	2,935.65	2,567.58	368.07	7.976			
16,800.00	7,256.94	7,258.94	7,258.94	279.75	251.69	-90.22	-1,172.78	-5,700.15	3,025.82	2,660.04	365.78	8.272			
16,900.00	7,257.12	7,259.12	7,259.12	282.57	251.69	-90.23	-1,172.78	-5,700.15	3,116.59	2,752.98	363.61	8.571			
17,000.00	7,257.30	7,259.30	7,259.30	285.40	251.70	-90.24	-1,172.78	-5,700.15	3,207.91	2,846.35	361.56	8.873			
17,100.00	7,257.49	7,259.49	7,259.49	288.22	251.71	-90.25	-1,172.78	-5,700.15	3,299.73	2,940.12	359.61	9.176			
17,200.00	7,257.67	7,259.67	7,259.67	291.04	251.71	-90.25	-1,172.78	-5,700.15	3,392.01	3,034.26	357.76	9.481			
17,300.00	7,257.85	7,259.85	7,259.85	293.87	251.72	-90.26	-1,172.78	-5,700.15	3,484.72	3,128.72	356.00	9.788			
17,400.00	7,258.03	7,260.03	7,260.03	296.69	251.72	-90.27	-1,172.78	-5,700.15	3,577.83	3,223.49	354.34	10.097			
17,500.00	7,258.22	7,260.22	7,260.22	299.51	251.73	-90.28	-1,172.78	-5,700.15	3,671.29	3,318.53	352.76	10.407			
17,600.00	7,258.40	7,260.40	7,260.40	302.34	251.74	-90.29	-1,172.78	-5,700.15	3,765.09	3,413.84	351.25	10.719			
17,700.00	7,258.58	7,260.58	7,260.58	305.16	251.74	-90.30	-1,172.78	-5,700.15	3,859.20	3,509.38	349.82	11.032			
17,800.00	7,258.76	7,260.76	7,260.76	307.99	251.75	-90.30	-1,172.78	-5,700.15	3,953.60	3,605.14	348.46	11.346			
17,900.00	7,258.95	7,260.95	7,260.95	310.82	251.76	-90.31	-1,172.78	-5,700.15	4,048.27	3,701.11	347.16	11.661			
18,000.00	7,259.13	7,261.13	7,261.13	313.64	251.76	-90.32	-1,172.78	-5,700.15	4,143.19	3,797.27	345.93	11.977			
18,100.00	7,259.31	7,261.31	7,261.31	316.47	251.77	-90.33	-1,172.78	-5,700.15	4,238.35	3,893.60	344.75	12.294			
18,200.00	7,259.49	7,261.49	7,261.49	319.30	251.78	-90.34	-1,172.78	-5,700.15	4,333.72	3,990.09	343.63	12.612			
18,300.00	7,259.68	7,261.68	7,261.68	322.12	251.78	-90.34	-1,172.78	-5,700.15	4,429.30	4,086.74	342.55	12.930			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,261.86	7,261.86	324.95	251.79	-90.35	-1,172.78	-5,700.15	4,525.06	4,183.53	341.53	13.249		
18,500.00	7,260.04	7,262.04	7,262.04	327.78	251.79	-90.36	-1,172.78	-5,700.15	4,621.01	4,280.46	340.55	13.569		
18,600.00	7,260.22	7,262.22	7,262.22	330.61	251.80	-90.37	-1,172.78	-5,700.15	4,717.13	4,377.51	339.62	13.890		
18,700.00	7,260.41	7,262.41	7,262.41	333.44	251.81	-90.38	-1,172.78	-5,700.15	4,813.40	4,474.68	338.72	14.210		
18,800.00	7,260.59	7,262.59	7,262.59	336.27	251.81	-90.38	-1,172.78	-5,700.15	4,909.82	4,571.96	337.87	14.532		
18,900.00	7,260.77	7,262.77	7,262.77	339.10	251.82	-90.39	-1,172.78	-5,700.15	5,006.39	4,669.34	337.05	14.854		
19,000.00	7,260.95	7,262.95	7,262.95	341.93	251.83	-90.40	-1,172.78	-5,700.15	5,103.08	4,766.82	336.26	15.176		
19,025.91	7,261.00	7,263.00	7,263.00	342.66	251.83	-90.40	-1,172.78	-5,700.15	5,128.16	4,792.09	336.06	15.259		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	40.00	40.00	3.28	3.35	-78.35	1,456.77	-7,067.15	7,215.73					
100.00	100.00	140.00	140.00	3.28	4.54	-78.35	1,456.77	-7,067.15	7,215.73	7,207.90	7.83	921.936		
200.00	200.00	240.00	240.00	3.34	7.40	-78.35	1,456.77	-7,067.15	7,215.73	7,204.99	10.74	672.067		
300.00	299.98	339.98	339.98	3.44	10.64	-169.06	1,456.77	-7,067.15	7,217.44	7,203.36	14.08	512.454		
400.00	399.84	439.84	439.84	3.60	14.00	-169.05	1,456.77	-7,067.15	7,222.58	7,204.98	17.60	410.404		
500.00	499.45	539.45	539.45	3.81	17.40	-169.03	1,456.77	-7,067.15	7,231.14	7,209.94	21.20	341.046		
600.00	598.70	638.70	638.70	4.05	20.81	-169.00	1,456.77	-7,067.15	7,243.11	7,218.25	24.86	291.345		
700.00	697.47	737.47	737.47	4.34	24.22	-168.96	1,456.77	-7,067.15	7,258.47	7,229.92	28.55	254.219		
800.00	795.62	835.62	835.62	4.66	27.62	-168.92	1,456.77	-7,067.15	7,277.21	7,244.94	32.26	225.571		
849.22	843.68	883.68	883.68	4.84	29.29	-168.89	1,456.77	-7,067.15	7,287.66	7,253.57	34.09	213.757		
900.00	893.16	933.16	933.16	5.02	31.01	-168.91	1,456.77	-7,067.15	7,298.87	7,262.89	35.98	202.856		
1,000.00	990.60	1,030.60	1,030.60	5.41	34.39	-168.95	1,456.77	-7,067.15	7,320.94	7,281.23	39.71	184.359		
1,100.00	1,088.05	1,128.05	1,128.05	5.83	37.78	-168.98	1,456.77	-7,067.15	7,343.01	7,299.55	43.46	168.957		
1,200.00	1,185.49	1,225.49	1,225.49	6.26	41.17	-169.01	1,456.77	-7,067.15	7,365.09	7,317.86	47.23	155.947		
1,300.00	1,282.93	1,322.93	1,322.93	6.70	44.56	-169.05	1,456.77	-7,067.15	7,387.17	7,336.16	51.01	144.819		
1,400.00	1,380.37	1,420.37	1,420.37	7.15	47.95	-169.08	1,456.77	-7,067.15	7,409.25	7,354.45	54.80	135.200		
1,500.00	1,477.82	1,517.82	1,517.82	7.62	51.35	-169.11	1,456.77	-7,067.15	7,431.33	7,372.73	58.60	126.806		
1,600.00	1,575.26	1,615.26	1,615.26	8.09	54.74	-169.14	1,456.77	-7,067.15	7,453.42	7,391.00	62.41	119.419		
1,700.00	1,672.70	1,712.70	1,712.70	8.57	58.14	-169.18	1,456.77	-7,067.15	7,475.50	7,409.27	66.23	112.871		
1,800.00	1,770.15	1,810.15	1,810.15	9.05	61.53	-169.21	1,456.77	-7,067.15	7,497.59	7,427.54	70.05	107.028		
1,900.00	1,867.59	1,907.59	1,907.59	9.54	64.93	-169.24	1,456.77	-7,067.15	7,519.69	7,445.81	73.88	101.782		
2,000.00	1,965.03	2,005.03	2,005.03	10.03	68.33	-169.27	1,456.77	-7,067.15	7,541.78	7,464.07	77.71	97.049		
2,100.00	2,062.48	2,102.48	2,102.48	10.53	71.73	-169.30	1,456.77	-7,067.15	7,563.88	7,482.33	81.55	92.756		
2,200.00	2,159.92	2,200.08	2,199.92	11.03	75.13	-169.34	1,456.77	-7,067.15	7,585.98	7,500.59	85.39	88.840		
2,300.00	2,257.36	2,302.64	2,297.36	11.53	78.71	-169.37	1,456.77	-7,067.15	7,608.08	7,518.67	89.41	85.093		
2,400.00	2,354.81	2,405.19	2,394.81	12.03	82.29	-169.40	1,456.77	-7,067.15	7,630.18	7,536.75	93.43	81.667		
2,500.00	2,452.25	2,507.75	2,492.25	12.54	85.86	-169.43	1,456.77	-7,067.15	7,652.28	7,554.83	97.45	78.522		
2,600.00	2,549.69	2,589.69	2,589.69	13.04	88.72	-169.46	1,456.77	-7,067.15	7,674.39	7,573.63	100.76	76.165		
2,700.00	2,647.13	2,687.13	2,687.13	13.55	92.12	-169.49	1,456.77	-7,067.15	7,696.50	7,591.89	104.61	73.574		
2,800.00	2,744.58	2,784.58	2,784.58	14.06	95.52	-169.52	1,456.77	-7,067.15	7,718.61	7,610.15	108.46	71.166		
2,900.00	2,842.02	2,882.02	2,882.02	14.57	98.92	-169.55	1,456.77	-7,067.15	7,740.73	7,628.41	112.31	68.922		
3,000.00	2,939.46	2,979.46	2,979.46	15.09	102.32	-169.58	1,456.77	-7,067.15	7,762.84	7,646.68	116.16	66.826		
3,100.00	3,036.91	3,076.91	3,076.91	15.60	105.72	-169.61	1,456.77	-7,067.15	7,784.96	7,664.94	120.02	64.865		
3,200.00	3,134.35	3,174.35	3,174.35	16.11	109.12	-169.64	1,456.77	-7,067.15	7,807.08	7,683.20	123.87	63.025		
3,300.00	3,231.79	3,271.79	3,271.79	16.63	112.52	-169.67	1,456.77	-7,067.15	7,829.20	7,701.47	127.73	61.295		
3,400.00	3,329.24	3,369.24	3,369.24	17.14	115.92	-169.70	1,456.77	-7,067.15	7,851.32	7,719.74	131.59	59.667		
3,500.00	3,426.68	3,466.68	3,466.68	17.66	119.32	-169.73	1,456.77	-7,067.15	7,873.45	7,738.00	135.44	58.131		
3,600.00	3,524.12	3,564.12	3,564.12	18.18	122.72	-169.76	1,456.77	-7,067.15	7,895.58	7,756.27	139.30	56.680		
3,700.00	3,621.57	3,661.57	3,661.57	18.69	126.12	-169.79	1,456.77	-7,067.15	7,917.70	7,774.54	143.16	55.306		
3,800.00	3,719.01	3,759.01	3,759.01	19.21	129.52	-169.82	1,456.77	-7,067.15	7,939.84	7,792.82	147.02	54.005		
3,900.00	3,816.45	3,856.45	3,856.45	19.73	132.92	-169.84	1,456.77	-7,067.15	7,961.97	7,811.09	150.88	52.770		
4,000.00	3,913.90	3,953.90	3,953.90	20.25	136.32	-169.87	1,456.77	-7,067.15	7,984.10	7,829.36	154.74	51.596		
4,100.00	4,011.34	4,051.34	4,051.34	20.77	139.73	-169.90	1,456.77	-7,067.15	8,006.24	7,847.64	158.60	50.480		
4,200.00	4,108.78	4,148.78	4,148.78	21.29	143.13	-169.93	1,456.77	-7,067.15	8,028.38	7,865.92	162.46	49.416		
4,300.00	4,206.22	4,246.22	4,246.22	21.81	146.53	-169.96	1,456.77	-7,067.15	8,050.52	7,884.19	166.33	48.402		
4,400.00	4,303.67	4,343.67	4,343.67	22.33	149.93	-169.98	1,456.77	-7,067.15	8,072.66	7,902.47	170.19	47.434		
4,500.00	4,401.11	4,441.11	4,441.11	22.85	153.33	-170.01	1,456.77	-7,067.15	8,094.81	7,920.76	174.05	46.508		
4,600.00	4,498.55	4,538.55	4,538.55	23.37	156.73	-170.04	1,456.77	-7,067.15	8,116.95	7,939.04	177.91	45.623		
4,700.00	4,596.00	4,636.00	4,636.00	23.89	160.13	-170.07	1,456.77	-7,067.15	8,139.10	7,957.32	181.78	44.775		
4,800.00	4,693.44	4,733.44	4,733.44	24.41	163.53	-170.09	1,456.77	-7,067.15	8,161.25	7,975.61	185.64	43.963		
4,900.00	4,790.88	4,830.88	4,830.88	24.93	166.93	-170.12	1,456.77	-7,067.15	8,183.40	7,993.90	189.50	43.183		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,928.33	4,928.33	25.46	170.33	-170.15	1,456.77	-7,067.15	8,205.55	8,012.18	193.37	42.435		
5,100.00	4,985.77	5,025.77	5,025.77	25.98	173.74	-170.18	1,456.77	-7,067.15	8,227.71	8,030.47	197.23	41.716		
5,200.00	5,083.21	5,123.21	5,123.21	26.50	177.14	-170.20	1,456.77	-7,067.15	8,249.86	8,048.77	201.10	41.024		
5,300.00	5,180.66	5,220.66	5,220.66	27.02	180.54	-170.23	1,456.77	-7,067.15	8,272.02	8,067.06	204.96	40.359		
5,400.00	5,278.10	5,318.10	5,318.10	27.55	183.94	-170.25	1,456.77	-7,067.15	8,294.18	8,085.35	208.83	39.718		
5,500.00	5,375.54	5,415.54	5,415.54	28.07	187.34	-170.28	1,456.77	-7,067.15	8,316.34	8,103.65	212.69	39.100		
5,582.90	5,456.32	5,503.68	5,496.32	28.50	190.42	-170.30	1,456.77	-7,067.15	8,334.72	8,118.56	216.16	38.559		
5,600.00	5,473.00	5,513.00	5,513.00	28.59	190.74	-170.32	1,456.77	-7,067.15	8,338.46	8,121.90	216.56	38.504		
5,700.00	5,570.93	5,610.93	5,610.93	29.10	194.16	-170.41	1,456.77	-7,067.15	8,358.36	8,137.93	220.44	37.917		
5,800.00	5,669.52	5,709.52	5,709.52	29.57	197.60	-170.49	1,456.77	-7,067.15	8,374.89	8,150.56	224.33	37.334		
5,900.00	5,768.62	5,808.62	5,808.62	30.03	201.06	-170.54	1,456.77	-7,067.15	8,388.01	8,159.78	228.22	36.753		
6,000.00	5,868.13	5,908.13	5,908.13	30.45	204.53	-170.59	1,456.77	-7,067.15	8,397.71	8,165.58	232.13	36.177		
6,100.00	5,967.93	6,007.93	6,007.93	30.86	208.02	-170.61	1,456.77	-7,067.15	8,403.97	8,167.94	236.03	35.606		
6,200.00	6,067.88	6,107.88	6,107.88	31.24	211.51	-170.63	1,456.77	-7,067.15	8,406.80	8,166.88	239.92	35.039		
6,232.12	6,100.00	6,140.00	6,140.00	31.36	212.63	-79.92	1,456.77	-7,067.15	8,406.98	8,165.81	241.17	34.859		
6,300.00	6,167.88	6,207.88	6,207.88	31.61	215.00	-79.92	1,456.77	-7,067.15	8,406.98	8,163.18	243.80	34.483		
6,400.00	6,267.88	6,307.88	6,307.88	31.97	218.49	-79.92	1,456.77	-7,067.15	8,406.98	8,159.31	247.67	33.944		
6,500.00	6,367.88	6,407.88	6,407.88	32.34	221.98	-79.92	1,456.77	-7,067.15	8,406.98	8,155.44	251.54	33.422		
6,600.00	6,467.88	6,507.88	6,507.88	32.70	225.47	-79.92	1,456.77	-7,067.15	8,406.98	8,151.56	255.42	32.915		
6,700.00	6,567.88	6,607.88	6,607.88	33.07	228.96	-79.92	1,456.77	-7,067.15	8,406.98	8,147.69	259.29	32.423		
6,736.50	6,604.38	6,644.38	6,644.38	33.21	230.23	-79.92	1,456.77	-7,067.15	8,406.98	8,146.27	260.71	32.247		
6,750.00	6,617.88	6,657.88	6,657.88	33.25	230.70	7.18	1,456.77	-7,067.15	8,406.84	8,145.61	261.23	32.182		
6,800.00	6,667.77	6,707.77	6,707.77	33.43	232.45	7.21	1,456.77	-7,067.15	8,403.84	8,140.70	263.14	31.936		
6,850.00	6,717.28	6,757.28	6,757.28	33.60	234.17	7.30	1,456.77	-7,067.15	8,396.97	8,131.94	265.03	31.683		
6,900.00	6,766.09	6,806.09	6,806.09	33.79	235.88	7.44	1,456.77	-7,067.15	8,386.26	8,119.39	266.88	31.424		
6,950.00	6,813.90	6,853.90	6,853.90	33.99	237.55	7.63	1,456.77	-7,067.15	8,371.79	8,103.12	268.67	31.160		
7,000.00	6,860.42	6,900.42	6,900.42	34.20	239.17	7.88	1,456.77	-7,067.15	8,353.65	8,083.24	270.41	30.893		
7,050.00	6,905.36	6,945.36	6,945.36	34.42	240.74	8.21	1,456.77	-7,067.15	8,331.93	8,059.87	272.07	30.624		
7,100.00	6,948.45	6,988.45	6,988.45	34.67	242.24	8.61	1,456.77	-7,067.15	8,306.79	8,033.14	273.65	30.356		
7,150.00	6,989.41	7,029.41	7,029.41	34.94	243.67	9.12	1,456.77	-7,067.15	8,278.38	8,003.24	275.14	30.088		
7,200.00	7,028.00	7,068.00	7,068.00	35.24	245.02	9.76	1,456.77	-7,067.15	8,246.86	7,970.33	276.54	29.822		
7,250.00	7,063.98	7,103.98	7,103.98	35.56	246.28	10.56	1,456.77	-7,067.15	8,212.44	7,934.62	277.83	29.560		
7,300.00	7,097.13	7,137.13	7,137.13	35.92	247.43	11.56	1,456.77	-7,067.15	8,175.33	7,896.33	279.01	29.301		
7,350.00	7,127.23	7,167.23	7,167.23	36.32	248.48	12.85	1,456.77	-7,067.15	8,135.76	7,855.69	280.07	29.049		
7,400.00	7,154.12	7,205.88	7,194.12	36.75	249.83	14.55	1,456.77	-7,067.15	8,093.98	7,812.54	281.43	28.760		
7,450.00	7,177.61	7,217.61	7,217.61	37.22	250.24	16.83	1,456.77	-7,067.15	8,050.23	7,768.39	281.84	28.563		
7,500.00	7,197.57	7,237.57	7,237.57	37.73	250.94	20.03	1,456.77	-7,067.15	8,004.79	7,722.26	282.54	28.332		
7,550.00	7,213.88	7,253.88	7,253.88	38.28	251.51	24.75	1,456.77	-7,067.15	7,957.95	7,674.85	283.11	28.109		
7,600.00	7,226.42	7,266.42	7,266.42	38.87	251.95	32.19	1,456.77	-7,067.15	7,909.99	7,626.45	283.54	27.897		
7,650.00	7,235.13	7,275.13	7,275.13	39.48	252.25	44.86	1,456.77	-7,067.15	7,861.21	7,577.36	283.85	27.695		
7,700.00	7,239.95	7,279.95	7,279.95	40.12	252.42	67.10	1,456.77	-7,067.15	7,811.90	7,527.87	284.03	27.504		
7,735.44	7,241.00	7,281.00	7,281.00	40.59	252.46	89.30	1,456.77	-7,067.15	7,776.80	7,492.73	284.07	27.376		
7,800.00	7,241.11	7,281.11	7,281.11	41.47	252.46	89.31	1,456.77	-7,067.15	7,712.84	7,428.74	284.10	27.148		
7,900.00	7,241.27	7,281.27	7,281.27	42.96	252.47	89.32	1,456.77	-7,067.15	7,613.78	7,329.63	284.15	26.795		
8,000.00	7,241.44	7,281.44	7,281.44	44.59	252.47	89.32	1,456.77	-7,067.15	7,514.75	7,230.54	284.21	26.441		
8,100.00	7,241.61	7,281.61	7,281.61	46.34	252.48	89.33	1,456.77	-7,067.15	7,415.75	7,131.47	284.28	26.086		
8,200.00	7,241.77	7,281.77	7,281.77	48.20	252.48	89.34	1,456.77	-7,067.15	7,316.77	7,032.41	284.35	25.731		
8,300.00	7,241.94	7,281.94	7,281.94	50.16	252.49	89.35	1,456.77	-7,067.15	7,217.82	6,933.38	284.44	25.375		
8,400.00	7,242.11	7,282.11	7,282.11	52.20	252.49	89.36	1,456.77	-7,067.15	7,118.90	6,834.36	284.54	25.019		
8,500.00	7,242.27	7,282.27	7,282.27	54.31	252.50	89.37	1,456.77	-7,067.15	7,020.01	6,735.36	284.65	24.662		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	7,282.44	7,282.44	56.49	252.51	89.38	1,456.77	-7,067.15	6,921.15	6,636.38	284.77	24.305		
8,700.00	7,242.60	7,282.60	7,282.60	58.73	252.51	89.39	1,456.77	-7,067.15	6,822.32	6,537.42	284.90	23.946		
8,800.00	7,242.77	7,282.77	7,282.77	61.03	252.52	89.40	1,456.77	-7,067.15	6,723.53	6,438.49	285.05	23.588		
8,900.00	7,242.94	7,282.94	7,282.94	63.37	252.52	89.41	1,456.77	-7,067.15	6,624.78	6,339.57	285.21	23.228		
9,000.00	7,243.10	7,283.10	7,283.10	65.75	252.53	89.42	1,456.77	-7,067.15	6,526.06	6,240.68	285.38	22.868		
9,100.00	7,243.27	7,283.27	7,283.27	68.18	252.54	89.42	1,456.77	-7,067.15	6,427.39	6,141.81	285.57	22.507		
9,200.00	7,243.44	7,283.44	7,283.44	70.63	252.54	89.43	1,456.77	-7,067.15	6,328.75	6,042.97	285.78	22.145		
9,300.00	7,243.60	7,283.60	7,283.60	73.12	252.55	89.44	1,456.77	-7,067.15	6,230.16	5,944.15	286.01	21.783		
9,400.00	7,243.77	7,283.77	7,283.77	75.63	252.55	89.45	1,456.77	-7,067.15	6,131.62	5,845.36	286.25	21.420		
9,500.00	7,243.94	7,283.94	7,283.94	78.17	252.56	89.46	1,456.77	-7,067.15	6,033.12	5,746.60	286.52	21.057		
9,600.00	7,244.10	7,284.10	7,284.10	80.73	252.56	89.47	1,456.77	-7,067.15	5,934.67	5,647.86	286.81	20.692		
9,700.00	7,244.27	7,284.27	7,284.27	83.31	252.57	89.48	1,456.77	-7,067.15	5,836.28	5,549.16	287.12	20.327		
9,800.00	7,244.44	7,284.44	7,284.44	85.91	252.58	89.49	1,456.77	-7,067.15	5,737.94	5,450.49	287.45	19.961		
9,900.00	7,244.60	7,284.60	7,284.60	88.53	252.58	89.50	1,456.77	-7,067.15	5,639.66	5,351.84	287.81	19.595		
10,000.00	7,244.77	7,284.77	7,284.77	91.16	252.59	89.51	1,456.77	-7,067.15	5,541.44	5,253.24	288.20	19.228		
10,100.00	7,244.94	7,284.94	7,284.94	93.81	252.59	89.51	1,456.77	-7,067.15	5,443.28	5,154.67	288.61	18.860		
10,200.00	7,245.10	7,285.10	7,285.10	96.46	252.60	89.52	1,456.77	-7,067.15	5,345.20	5,056.13	289.06	18.492		
10,300.00	7,245.27	7,285.27	7,285.27	99.14	252.61	89.53	1,456.77	-7,067.15	5,247.18	4,957.64	289.54	18.122		
10,400.00	7,245.43	7,285.43	7,285.43	101.82	252.61	89.54	1,456.77	-7,067.15	5,149.24	4,859.19	290.05	17.753		
10,500.00	7,245.60	7,285.60	7,285.60	104.51	252.62	89.55	1,456.77	-7,067.15	5,051.39	4,760.78	290.61	17.382		
10,600.00	7,245.77	7,285.77	7,285.77	107.21	252.62	89.56	1,456.77	-7,067.15	4,953.62	4,662.42	291.20	17.011		
10,700.00	7,245.93	7,285.93	7,285.93	109.92	252.63	89.57	1,456.77	-7,067.15	4,855.94	4,564.11	291.83	16.640		
10,800.00	7,246.10	7,286.10	7,286.10	112.64	252.63	89.58	1,456.77	-7,067.15	4,758.35	4,465.85	292.50	16.268		
10,900.00	7,246.27	7,286.27	7,286.27	115.37	252.64	89.59	1,456.77	-7,067.15	4,660.87	4,367.64	293.23	15.895		
11,000.00	7,246.43	7,286.43	7,286.43	118.10	252.65	89.60	1,456.77	-7,067.15	4,563.50	4,269.50	294.00	15.522		
11,100.00	7,246.60	7,286.60	7,286.60	120.84	252.65	89.61	1,456.77	-7,067.15	4,466.24	4,171.41	294.83	15.149		
11,200.00	7,246.77	7,286.77	7,286.77	123.58	252.66	89.61	1,456.77	-7,067.15	4,369.11	4,073.39	295.71	14.775		
11,300.00	7,246.93	7,286.93	7,286.93	126.34	252.66	89.62	1,456.77	-7,067.15	4,272.11	3,975.45	296.66	14.401		
11,340.34	7,247.00	7,287.00	7,287.00	127.45	252.67	89.63	1,456.77	-7,067.15	4,233.02	3,935.96	297.06	14.250		
11,400.00	7,247.10	7,287.10	7,287.10	129.09	252.67	89.65	1,456.77	-7,067.15	4,175.41	3,877.72	297.69	14.026		
11,500.00	7,247.27	7,287.27	7,287.27	131.84	252.68	89.69	1,456.77	-7,067.15	4,079.77	3,780.85	298.92	13.648		
11,586.15	7,247.43	7,287.43	7,287.43	134.20	252.68	89.72	1,456.77	-7,067.15	3,998.44	3,698.27	300.17	13.321		
11,600.00	7,247.45	7,287.45	7,287.45	134.57	252.68	89.72	1,456.77	-7,067.15	3,985.45	3,685.06	300.38	13.268		
11,700.00	7,247.64	7,287.64	7,287.64	137.31	252.69	89.73	1,456.77	-7,067.15	3,891.85	3,589.85	302.01	12.887		
11,800.00	7,247.82	7,287.82	7,287.82	140.05	252.69	89.73	1,456.77	-7,067.15	3,798.59	3,494.84	303.75	12.506		
11,900.00	7,248.00	7,288.00	7,288.00	142.79	252.70	89.74	1,456.77	-7,067.15	3,705.68	3,400.07	305.61	12.125		
12,000.00	7,248.18	7,288.18	7,288.18	145.53	252.71	89.75	1,456.77	-7,067.15	3,613.14	3,305.54	307.61	11.746		
12,100.00	7,248.37	7,288.37	7,288.37	148.28	252.71	89.76	1,456.77	-7,067.15	3,521.02	3,211.28	309.74	11.368		
12,200.00	7,248.55	7,288.55	7,288.55	151.04	252.72	89.76	1,456.77	-7,067.15	3,429.33	3,117.31	312.02	10.991		
12,300.00	7,248.73	7,288.73	7,288.73	153.80	252.73	89.77	1,456.77	-7,067.15	3,338.12	3,023.67	314.46	10.615		
12,400.00	7,248.91	7,288.91	7,288.91	156.56	252.73	89.78	1,456.77	-7,067.15	3,247.43	2,930.37	317.06	10.242		
12,500.00	7,249.10	7,289.10	7,289.10	159.32	252.74	89.79	1,456.77	-7,067.15	3,157.31	2,837.46	319.84	9.871		
12,600.00	7,249.28	7,289.28	7,289.28	162.09	252.74	89.79	1,456.77	-7,067.15	3,067.79	2,744.98	322.81	9.503		
12,700.00	7,249.46	7,289.46	7,289.46	164.86	252.75	89.80	1,456.77	-7,067.15	2,978.94	2,652.97	325.98	9.139		
12,800.00	7,249.64	7,289.64	7,289.64	167.63	252.76	89.81	1,456.77	-7,067.15	2,890.82	2,561.47	329.36	8.777		
12,900.00	7,249.83	7,289.83	7,289.83	170.40	252.76	89.82	1,456.77	-7,067.15	2,803.50	2,470.54	332.96	8.420		
13,000.00	7,250.01	7,309.99	7,290.01	173.18	253.47	89.82	1,456.77	-7,067.15	2,717.05	2,379.54	337.51	8.050		
13,100.00	7,250.19	7,309.81	7,290.19	175.96	253.46	89.83	1,456.77	-7,067.15	2,631.56	2,289.96	341.60	7.704		
13,200.00	7,250.37	7,309.63	7,290.37	178.74	253.46	89.84	1,456.77	-7,067.15	2,547.13	2,201.17	345.96	7.362		
13,300.00	7,250.56	7,309.44	7,290.56	181.52	253.45	89.85	1,456.77	-7,067.15	2,463.86	2,113.24	350.62	7.027		
13,400.00	7,250.74	7,309.26	7,290.74	184.31	253.44	89.85	1,456.77	-7,067.15	2,381.88	2,026.31	355.58	6.699		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,500.00	7,250.92	7,309.08	7,290.92	187.09	253.44	89.86	1,456.77	-7,067.15	2,301.33	1,940.47	360.86	6.377			
13,600.00	7,251.10	7,308.90	7,291.10	189.88	253.43	89.87	1,456.77	-7,067.15	2,222.36	1,855.88	366.48	6.064			
13,700.00	7,251.29	7,308.72	7,291.29	192.67	253.42	89.88	1,456.77	-7,067.15	2,145.14	1,772.69	372.45	5.759			
13,800.00	7,251.47	7,308.53	7,291.47	195.47	253.42	89.88	1,456.77	-7,067.15	2,069.88	1,691.09	378.79	5.464			
13,900.00	7,251.65	7,308.35	7,291.65	198.26	253.41	89.89	1,456.77	-7,067.15	1,996.78	1,611.29	385.49	5.180			
14,000.00	7,251.83	7,308.17	7,291.83	201.05	253.40	89.90	1,456.77	-7,067.15	1,926.11	1,533.55	392.56	4.907			
14,100.00	7,252.01	7,307.99	7,292.01	203.85	253.40	89.91	1,456.77	-7,067.15	1,858.13	1,458.14	399.99	4.645			
14,200.00	7,252.20	7,307.80	7,292.20	206.65	253.39	89.91	1,456.77	-7,067.15	1,793.16	1,385.39	407.76	4.398			
14,300.00	7,252.38	7,307.62	7,292.38	209.45	253.39	89.92	1,456.77	-7,067.15	1,731.52	1,315.68	415.84	4.164			
14,400.00	7,252.56	7,307.44	7,292.56	212.25	253.38	89.93	1,456.77	-7,067.15	1,673.59	1,249.43	424.16	3.946			
14,500.00	7,252.74	7,307.26	7,292.74	215.05	253.37	89.94	1,456.77	-7,067.15	1,619.78	1,187.12	432.66	3.744			
14,600.00	7,252.93	7,307.07	7,292.93	217.86	253.37	89.94	1,456.77	-7,067.15	1,570.49	1,129.26	441.23	3.559			
14,700.00	7,253.11	7,306.89	7,293.11	220.66	253.36	89.95	1,456.77	-7,067.15	1,526.17	1,076.42	449.75	3.393			
14,800.00	7,253.29	7,306.71	7,293.29	223.47	253.35	89.96	1,456.77	-7,067.15	1,487.26	1,029.20	458.06	3.247			
14,900.00	7,253.47	7,306.53	7,293.47	226.27	253.35	89.97	1,456.77	-7,067.15	1,454.20	988.21	465.99	3.121			
15,000.00	7,253.66	7,306.34	7,293.66	229.08	253.34	89.97	1,456.77	-7,067.15	1,427.39	954.04	473.35	3.015			
15,100.00	7,253.84	7,306.16	7,293.84	231.89	253.33	89.98	1,456.77	-7,067.15	1,407.19	927.24	479.96	2.932			
15,200.00	7,254.02	7,305.98	7,294.02	234.70	253.33	89.99	1,456.77	-7,067.15	1,393.90	908.27	485.63	2.870			
15,300.00	7,254.20	7,305.80	7,294.20	237.51	253.32	90.00	1,456.77	-7,067.15	1,387.70	897.47	490.22	2.831			
15,336.23	7,254.27	7,305.73	7,294.27	238.53	253.32	90.00	1,456.77	-7,067.15	1,387.22	895.62	491.60	2.822 CC			
15,400.00	7,254.39	7,305.61	7,294.39	240.32	253.32	90.00	1,456.77	-7,067.15	1,388.69	895.06	493.63	2.813 ES, SF			
15,500.00	7,254.57	7,305.43	7,294.57	243.13	253.31	90.01	1,456.77	-7,067.15	1,396.86	901.04	495.81	2.817			
15,600.00	7,254.75	7,305.25	7,294.75	245.94	253.30	90.02	1,456.77	-7,067.15	1,412.08	915.31	496.77	2.843			
15,700.00	7,254.93	7,305.07	7,294.93	248.76	253.30	90.03	1,456.77	-7,067.15	1,434.13	937.56	496.57	2.888			
15,800.00	7,255.12	7,304.88	7,295.12	251.57	253.29	90.03	1,456.77	-7,067.15	1,462.69	967.38	495.31	2.953			
15,900.00	7,255.30	7,304.70	7,295.30	254.39	253.28	90.04	1,456.77	-7,067.15	1,497.41	1,004.27	493.14	3.036			
16,000.00	7,255.48	7,304.52	7,295.48	257.20	253.28	90.05	1,456.77	-7,067.15	1,537.85	1,047.65	490.19	3.137			
16,100.00	7,255.66	7,304.34	7,295.66	260.02	253.27	90.06	1,456.77	-7,067.15	1,583.58	1,096.94	486.64	3.254			
16,200.00	7,255.85	7,304.15	7,295.85	262.84	253.26	90.07	1,456.77	-7,067.15	1,634.16	1,151.54	482.62	3.386			
16,300.00	7,256.03	7,303.97	7,296.03	265.65	253.26	90.07	1,456.77	-7,067.15	1,689.15	1,210.88	478.27	3.532			
16,400.00	7,256.21	7,303.79	7,296.21	268.47	253.25	90.08	1,456.77	-7,067.15	1,748.14	1,274.43	473.71	3.690			
16,500.00	7,256.39	7,303.61	7,296.39	271.29	253.25	90.09	1,456.77	-7,067.15	1,810.73	1,341.70	469.03	3.861			
16,600.00	7,256.58	7,303.43	7,296.58	274.11	253.24	90.10	1,456.77	-7,067.15	1,876.56	1,412.26	464.31	4.042			
16,700.00	7,256.76	7,303.24	7,296.76	276.93	253.23	90.10	1,456.77	-7,067.15	1,945.31	1,485.70	459.61	4.233			
16,800.00	7,256.94	7,303.06	7,296.94	279.75	253.23	90.11	1,456.77	-7,067.15	2,016.68	1,561.69	454.99	4.432			
16,900.00	7,257.12	7,302.88	7,297.12	282.57	253.22	90.12	1,456.77	-7,067.15	2,090.40	1,639.93	450.47	4.640			
17,000.00	7,257.30	7,302.70	7,297.30	285.40	253.21	90.13	1,456.77	-7,067.15	2,166.22	1,720.14	446.08	4.856			
17,100.00	7,257.49	7,302.51	7,297.49	288.22	253.21	90.13	1,456.77	-7,067.15	2,243.94	1,802.10	441.84	5.079			
17,200.00	7,257.67	7,302.33	7,297.67	291.04	253.20	90.14	1,456.77	-7,067.15	2,323.36	1,885.60	437.76	5.307			
17,300.00	7,257.85	7,302.15	7,297.85	293.87	253.19	90.15	1,456.77	-7,067.15	2,404.32	1,970.48	433.85	5.542			
17,400.00	7,258.03	7,301.97	7,298.03	296.69	253.19	90.16	1,456.77	-7,067.15	2,486.67	2,056.57	430.10	5.782			
17,500.00	7,258.22	7,301.78	7,298.22	299.51	253.18	90.16	1,456.77	-7,067.15	2,570.27	2,143.76	426.51	6.026			
17,600.00	7,258.40	7,301.60	7,298.40	302.34	253.18	90.17	1,456.77	-7,067.15	2,655.00	2,231.91	423.09	6.275			
17,700.00	7,258.58	7,301.42	7,298.58	305.16	253.17	90.18	1,456.77	-7,067.15	2,740.76	2,320.94	419.82	6.528			
17,800.00	7,258.76	7,301.24	7,298.76	307.99	253.16	90.19	1,456.77	-7,067.15	2,827.46	2,410.75	416.70	6.785			
17,900.00	7,258.95	7,301.05	7,298.95	310.82	253.16	90.19	1,456.77	-7,067.15	2,915.01	2,501.27	413.74	7.046			
18,000.00	7,259.13	7,300.87	7,299.13	313.64	253.15	90.20	1,456.77	-7,067.15	3,003.34	2,592.43	410.91	7.309			
18,100.00	7,259.31	7,300.69	7,299.31	316.47	253.14	90.21	1,456.77	-7,067.15	3,092.37	2,684.17	408.21	7.575			
18,200.00	7,259.49	7,300.51	7,299.49	319.30	253.14	90.22	1,456.77	-7,067.15	3,182.06	2,776.43	405.64	7.845			
18,300.00	7,259.68	7,300.32	7,299.68	322.12	253.13	90.22	1,456.77	-7,067.15	3,272.35	2,869.16	403.19	8.116			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,300.14	7,299.86	324.95	253.12	90.23	1,456.77	-7,067.15	3,363.19	2,962.34	400.85	8.390		
18,500.00	7,260.04	7,300.04	7,300.04	327.78	253.12	90.24	1,456.77	-7,067.15	3,454.53	3,055.91	398.62	8.666		
18,600.00	7,260.22	7,300.22	7,300.22	330.61	253.13	90.25	1,456.77	-7,067.15	3,546.34	3,149.83	396.51	8.944		
18,700.00	7,260.41	7,300.41	7,300.41	333.44	253.13	90.25	1,456.77	-7,067.15	3,638.58	3,244.09	394.49	9.224		
18,800.00	7,260.59	7,300.59	7,300.59	336.27	253.14	90.26	1,456.77	-7,067.15	3,731.22	3,338.66	392.56	9.505		
18,900.00	7,260.77	7,300.77	7,300.77	339.10	253.15	90.27	1,456.77	-7,067.15	3,824.24	3,433.52	390.72	9.788		
19,000.00	7,260.95	7,300.95	7,300.95	341.93	253.15	90.28	1,456.77	-7,067.15	3,917.59	3,528.63	388.96	10.072		
19,025.91	7,261.00	7,301.00	7,301.00	342.66	253.15	90.28	1,456.77	-7,067.15	3,941.84	3,553.32	388.52	10.146		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #42-10(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	30.00	30.00	3.28	3.32	-77.55	1,263.35	-5,724.06	5,861.82					
100.00	100.00	130.00	130.00	3.28	4.31	-77.55	1,263.35	-5,724.06	5,861.82	5,854.23	7.59	772.043		
200.00	200.00	230.00	230.00	3.34	7.09	-77.55	1,263.35	-5,724.06	5,861.82	5,851.39	10.43	562.265		
300.00	299.98	329.98	329.98	3.44	10.31	-168.26	1,263.35	-5,724.06	5,863.53	5,849.78	13.75	426.360		
400.00	399.84	429.84	429.84	3.60	13.66	-168.25	1,263.35	-5,724.06	5,868.65	5,851.39	17.26	340.024		
500.00	499.45	529.45	529.45	3.81	17.06	-168.23	1,263.35	-5,724.06	5,877.19	5,856.33	20.86	281.744		
600.00	598.70	628.70	628.70	4.05	20.47	-168.21	1,263.35	-5,724.06	5,889.12	5,864.60	24.52	240.213		
700.00	697.47	727.47	727.47	4.34	23.88	-168.18	1,263.35	-5,724.06	5,904.44	5,876.23	28.21	209.332		
800.00	795.62	825.62	825.62	4.66	27.27	-168.14	1,263.35	-5,724.06	5,923.13	5,891.21	31.91	185.593		
849.22	843.68	873.68	873.68	4.84	28.94	-168.11	1,263.35	-5,724.06	5,933.56	5,899.81	33.75	175.829		
900.00	893.16	923.16	923.16	5.02	30.66	-168.14	1,263.35	-5,724.06	5,944.73	5,909.10	35.63	166.831		
1,000.00	990.60	1,020.60	1,020.60	5.41	34.04	-168.18	1,263.35	-5,724.06	5,966.75	5,927.38	39.36	151.584		
1,100.00	1,088.05	1,118.05	1,118.05	5.83	37.43	-168.22	1,263.35	-5,724.06	5,988.76	5,945.65	43.11	138.908		
1,200.00	1,185.49	1,215.49	1,215.49	6.26	40.82	-168.27	1,263.35	-5,724.06	6,010.79	5,963.90	46.88	128.215		
1,300.00	1,282.93	1,312.93	1,312.93	6.70	44.21	-168.31	1,263.35	-5,724.06	6,032.81	5,982.15	50.66	119.080		
1,400.00	1,380.37	1,410.37	1,410.37	7.15	47.60	-168.35	1,263.35	-5,724.06	6,054.84	6,000.38	54.45	111.191		
1,500.00	1,477.82	1,507.82	1,507.82	7.62	51.00	-168.40	1,263.35	-5,724.06	6,076.87	6,018.61	58.26	104.313		
1,600.00	1,575.26	1,605.26	1,605.26	8.09	54.39	-168.44	1,263.35	-5,724.06	6,098.90	6,036.83	62.07	98.264		
1,700.00	1,672.70	1,702.70	1,702.70	8.57	57.79	-168.48	1,263.35	-5,724.06	6,120.94	6,055.05	65.88	92.906		
1,800.00	1,770.15	1,800.15	1,800.15	9.05	61.19	-168.52	1,263.35	-5,724.06	6,142.98	6,073.27	69.71	88.128		
1,900.00	1,867.59	1,902.41	1,897.59	9.54	64.75	-168.56	1,263.35	-5,724.06	6,165.02	6,091.32	73.70	83.650		
2,000.00	1,965.03	2,004.97	1,995.03	10.03	68.33	-168.61	1,263.35	-5,724.06	6,187.07	6,109.36	77.71	79.617		
2,100.00	2,062.48	2,107.52	2,092.48	10.53	71.90	-168.65	1,263.35	-5,724.06	6,209.11	6,127.39	81.72	75.977		
2,200.00	2,159.92	2,189.92	2,189.92	11.03	74.78	-168.69	1,263.35	-5,724.06	6,231.17	6,146.13	85.04	73.276		
2,300.00	2,257.36	2,287.36	2,287.36	11.53	78.18	-168.73	1,263.35	-5,724.06	6,253.22	6,164.34	88.88	70.358		
2,400.00	2,354.81	2,384.81	2,384.81	12.03	81.57	-168.77	1,263.35	-5,724.06	6,275.28	6,182.56	92.72	67.680		
2,500.00	2,452.25	2,482.25	2,482.25	12.54	84.97	-168.81	1,263.35	-5,724.06	6,297.34	6,200.77	96.57	65.213		
2,600.00	2,549.69	2,579.69	2,579.69	13.04	88.37	-168.85	1,263.35	-5,724.06	6,319.40	6,218.99	100.41	62.934		
2,700.00	2,647.13	2,677.13	2,677.13	13.55	91.77	-168.89	1,263.35	-5,724.06	6,341.47	6,237.21	104.26	60.822		
2,800.00	2,744.58	2,774.58	2,774.58	14.06	95.17	-168.92	1,263.35	-5,724.06	6,363.54	6,255.43	108.11	58.860		
2,900.00	2,842.02	2,872.02	2,872.02	14.57	98.57	-168.96	1,263.35	-5,724.06	6,385.61	6,273.65	111.96	57.033		
3,000.00	2,939.46	2,969.46	2,969.46	15.09	101.97	-169.00	1,263.35	-5,724.06	6,407.69	6,291.87	115.82	55.326		
3,100.00	3,036.91	3,066.91	3,066.91	15.60	105.37	-169.04	1,263.35	-5,724.06	6,429.76	6,310.09	119.67	53.729		
3,200.00	3,134.35	3,164.35	3,164.35	16.11	108.77	-169.08	1,263.35	-5,724.06	6,451.84	6,328.32	123.53	52.230		
3,300.00	3,231.79	3,261.79	3,261.79	16.63	112.17	-169.12	1,263.35	-5,724.06	6,473.93	6,346.55	127.38	50.823		
3,400.00	3,329.24	3,359.24	3,359.24	17.14	115.57	-169.15	1,263.35	-5,724.06	6,496.01	6,364.77	131.24	49.497		
3,500.00	3,426.68	3,456.68	3,456.68	17.66	118.97	-169.19	1,263.35	-5,724.06	6,518.10	6,383.00	135.10	48.248		
3,600.00	3,524.12	3,554.12	3,554.12	18.18	122.37	-169.23	1,263.35	-5,724.06	6,540.19	6,401.24	138.96	47.067		
3,700.00	3,621.57	3,651.57	3,651.57	18.69	125.77	-169.26	1,263.35	-5,724.06	6,562.29	6,419.47	142.81	45.950		
3,800.00	3,719.01	3,749.01	3,749.01	19.21	129.17	-169.30	1,263.35	-5,724.06	6,584.38	6,437.71	146.67	44.891		
3,900.00	3,816.45	3,846.45	3,846.45	19.73	132.57	-169.34	1,263.35	-5,724.06	6,606.48	6,455.95	150.53	43.887		
4,000.00	3,913.90	3,943.90	3,943.90	20.25	135.98	-169.37	1,263.35	-5,724.06	6,628.58	6,474.19	154.39	42.933		
4,100.00	4,011.34	4,041.34	4,041.34	20.77	139.38	-169.41	1,263.35	-5,724.06	6,650.68	6,492.43	158.26	42.025		
4,200.00	4,108.78	4,138.78	4,138.78	21.29	142.78	-169.44	1,263.35	-5,724.06	6,672.79	6,510.67	162.12	41.160		
4,300.00	4,206.22	4,236.22	4,236.22	21.81	146.18	-169.48	1,263.35	-5,724.06	6,694.90	6,528.92	165.98	40.336		
4,400.00	4,303.67	4,333.67	4,333.67	22.33	149.58	-169.51	1,263.35	-5,724.06	6,717.01	6,547.17	169.84	39.549		
4,500.00	4,401.11	4,431.11	4,431.11	22.85	152.98	-169.55	1,263.35	-5,724.06	6,739.12	6,565.42	173.70	38.796		
4,600.00	4,498.55	4,528.55	4,528.55	23.37	156.38	-169.58	1,263.35	-5,724.06	6,761.24	6,583.67	177.57	38.077		
4,700.00	4,596.00	4,626.00	4,626.00	23.89	159.78	-169.62	1,263.35	-5,724.06	6,783.36	6,601.93	181.43	37.388		
4,800.00	4,693.44	4,723.44	4,723.44	24.41	163.18	-169.65	1,263.35	-5,724.06	6,805.48	6,620.18	185.29	36.728		
4,900.00	4,790.88	4,820.88	4,820.88	24.93	166.58	-169.68	1,263.35	-5,724.06	6,827.60	6,638.44	189.16	36.095		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - ANDERSON #42-10(PR) - OH - OH														Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,888.33	4,918.33	4,918.33	25.46	169.99	-169.72	1,263.35	-5,724.06	6,849.72	6,656.70	193.02	35.487			
5,100.00	4,985.77	5,015.77	5,015.77	25.98	173.39	-169.75	1,263.35	-5,724.06	6,871.85	6,674.96	196.89	34.902			
5,200.00	5,083.21	5,113.21	5,113.21	26.50	176.79	-169.78	1,263.35	-5,724.06	6,893.98	6,693.23	200.75	34.341			
5,300.00	5,180.66	5,210.66	5,210.66	27.02	180.19	-169.82	1,263.35	-5,724.06	6,916.11	6,711.49	204.62	33.800			
5,400.00	5,278.10	5,308.10	5,308.10	27.55	183.59	-169.85	1,263.35	-5,724.06	6,938.24	6,729.76	208.48	33.280			
5,500.00	5,375.54	5,405.54	5,405.54	28.07	186.99	-169.88	1,263.35	-5,724.06	6,960.38	6,748.03	212.35	32.778			
5,582.90	5,456.32	5,486.32	5,486.32	28.50	189.81	-169.91	1,263.35	-5,724.06	6,978.73	6,763.18	215.55	32.376			
5,600.00	5,473.00	5,503.00	5,503.00	28.59	190.39	-169.93	1,263.35	-5,724.06	6,982.47	6,766.25	216.21	32.294			
5,700.00	5,570.93	5,600.93	5,600.93	29.10	193.81	-170.03	1,263.35	-5,724.06	7,002.35	6,782.26	220.09	31.816			
5,800.00	5,669.52	5,700.48	5,699.52	29.57	197.29	-170.11	1,263.35	-5,724.06	7,018.86	6,794.84	224.01	31.332			
5,900.00	5,768.62	5,801.38	5,798.62	30.03	200.81	-170.17	1,263.35	-5,724.06	7,031.96	6,803.99	227.97	30.845			
6,000.00	5,868.13	5,901.87	5,898.13	30.45	204.32	-170.22	1,263.35	-5,724.06	7,041.65	6,809.74	231.91	30.364			
6,100.00	5,967.93	6,002.07	5,997.93	30.86	207.81	-170.25	1,263.35	-5,724.06	7,047.91	6,812.08	235.83	29.886			
6,200.00	6,067.88	6,102.12	6,097.88	31.24	211.31	-170.26	1,263.35	-5,724.06	7,050.74	6,811.01	239.73	29.412			
6,232.12	6,100.00	6,130.00	6,130.00	31.36	212.28	-79.55	1,263.35	-5,724.06	7,050.91	6,810.09	240.82	29.278			
6,300.00	6,167.88	6,202.12	6,197.88	31.61	214.80	-79.55	1,263.35	-5,724.06	7,050.91	6,807.31	243.60	28.945			
6,400.00	6,267.88	6,302.12	6,297.88	31.97	218.29	-79.55	1,263.35	-5,724.06	7,050.91	6,803.44	247.47	28.492			
6,500.00	6,367.88	6,402.12	6,397.88	32.34	221.78	-79.55	1,263.35	-5,724.06	7,050.91	6,799.57	251.34	28.053			
6,600.00	6,467.88	6,502.12	6,497.88	32.70	225.27	-79.55	1,263.35	-5,724.06	7,050.91	6,795.70	255.22	27.627			
6,700.00	6,567.88	6,602.12	6,597.88	33.07	228.76	-79.55	1,263.35	-5,724.06	7,050.91	6,791.82	259.09	27.214			
6,736.50	6,604.38	6,634.38	6,634.38	33.21	229.88	-79.55	1,263.35	-5,724.06	7,050.91	6,790.55	260.36	27.081			
6,750.00	6,617.88	6,647.88	6,647.88	33.25	230.36	7.54	1,263.35	-5,724.06	7,050.77	6,789.89	260.88	27.027			
6,800.00	6,667.77	6,702.23	6,697.77	33.43	232.25	7.58	1,263.35	-5,724.06	7,047.78	6,784.82	262.95	26.802			
6,850.00	6,717.28	6,747.28	6,747.28	33.60	233.83	7.67	1,263.35	-5,724.06	7,040.91	6,776.23	264.68	26.601			
6,900.00	6,766.09	6,803.91	6,796.09	33.79	235.80	7.81	1,263.35	-5,724.06	7,030.21	6,763.41	266.80	26.350			
6,950.00	6,813.90	6,843.90	6,843.90	33.99	237.20	8.02	1,263.35	-5,724.06	7,015.76	6,747.43	268.33	26.146			
7,000.00	6,860.42	6,909.58	6,890.42	34.20	239.49	8.29	1,263.35	-5,724.06	6,997.62	6,726.90	270.73	25.847			
7,050.00	6,905.36	6,935.36	6,935.36	34.42	240.39	8.63	1,263.35	-5,724.06	6,975.93	6,704.21	271.72	25.673			
7,100.00	6,948.45	6,978.45	6,978.45	34.67	241.89	9.07	1,263.35	-5,724.06	6,950.81	6,677.51	273.30	25.433			
7,150.00	6,989.41	7,019.41	7,019.41	34.94	243.32	9.61	1,263.35	-5,724.06	6,922.42	6,647.63	274.80	25.191			
7,200.00	7,028.00	7,058.00	7,058.00	35.24	244.67	10.29	1,263.35	-5,724.06	6,890.94	6,614.74	276.19	24.950			
7,250.00	7,063.98	7,106.02	7,093.98	35.56	246.35	11.13	1,263.35	-5,724.06	6,856.55	6,578.65	277.90	24.672			
7,300.00	7,097.13	7,127.13	7,127.13	35.92	247.08	12.20	1,263.35	-5,724.06	6,819.48	6,540.81	278.67	24.472			
7,350.00	7,127.23	7,157.23	7,157.23	36.32	248.14	13.57	1,263.35	-5,724.06	6,779.94	6,500.21	279.73	24.237			
7,400.00	7,154.12	7,184.12	7,184.12	36.75	249.07	15.37	1,263.35	-5,724.06	6,738.20	6,457.52	280.68	24.007			
7,450.00	7,177.61	7,207.61	7,207.61	37.22	249.89	17.78	1,263.35	-5,724.06	6,694.50	6,412.99	281.50	23.781			
7,500.00	7,197.57	7,227.57	7,227.57	37.73	250.59	21.16	1,263.35	-5,724.06	6,649.11	6,366.91	282.20	23.562			
7,550.00	7,213.88	7,243.88	7,243.88	38.28	251.16	26.11	1,263.35	-5,724.06	6,602.32	6,319.55	282.77	23.349			
7,600.00	7,226.42	7,256.42	7,256.42	38.87	251.60	33.82	1,263.35	-5,724.06	6,554.41	6,271.20	283.21	23.143			
7,650.00	7,235.13	7,265.13	7,265.13	39.48	251.90	46.68	1,263.35	-5,724.06	6,505.69	6,222.17	283.52	22.946			
7,700.00	7,239.95	7,269.95	7,269.95	40.12	252.07	68.41	1,263.35	-5,724.06	6,456.44	6,172.74	283.70	22.758			
7,735.44	7,241.00	7,271.00	7,271.00	40.59	252.11	89.34	1,263.35	-5,724.06	6,421.39	6,137.64	283.75	22.631			
7,800.00	7,241.11	7,271.11	7,271.11	41.47	252.11	89.35	1,263.35	-5,724.06	6,357.51	6,073.73	283.78	22.403			
7,900.00	7,241.27	7,271.27	7,271.27	42.96	252.12	89.36	1,263.35	-5,724.06	6,258.59	5,974.75	283.84	22.050			
8,000.00	7,241.44	7,271.44	7,271.44	44.59	252.12	89.37	1,263.35	-5,724.06	6,159.71	5,875.80	283.91	21.696			
8,100.00	7,241.61	7,271.61	7,271.61	46.34	252.13	89.38	1,263.35	-5,724.06	6,060.86	5,776.88	283.98	21.342			
8,200.00	7,241.77	7,271.77	7,271.77	48.20	252.13	89.39	1,263.35	-5,724.06	5,962.05	5,677.98	284.07	20.988			
8,300.00	7,241.94	7,271.94	7,271.94	50.16	252.14	89.40	1,263.35	-5,724.06	5,863.29	5,579.11	284.18	20.632			
8,400.00	7,242.11	7,272.11	7,272.11	52.20	252.15	89.41	1,263.35	-5,724.06	5,764.56	5,480.27	284.29	20.277			
8,500.00	7,242.27	7,272.27	7,272.27	54.31	252.15	89.42	1,263.35	-5,724.06	5,665.88	5,381.45	284.42	19.921			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #42-10(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
8,600.00	7,242.44	7,272.44	7,272.44	56.49	252.16	89.43	1,263.35	-5,724.06	5,567.24	5,282.67	284.57	19.564			
8,700.00	7,242.60	7,272.60	7,272.60	58.73	252.16	89.44	1,263.35	-5,724.06	5,468.66	5,183.93	284.73	19.206			
8,800.00	7,242.77	7,272.77	7,272.77	61.03	252.17	89.45	1,263.35	-5,724.06	5,370.13	5,085.21	284.91	18.848			
8,900.00	7,242.94	7,272.94	7,272.94	63.37	252.17	89.46	1,263.35	-5,724.06	5,271.65	4,986.54	285.11	18.490			
9,000.00	7,243.10	7,273.10	7,273.10	65.75	252.18	89.48	1,263.35	-5,724.06	5,173.23	4,887.90	285.34	18.130			
9,100.00	7,243.27	7,273.27	7,273.27	68.18	252.19	89.49	1,263.35	-5,724.06	5,074.88	4,789.30	285.58	17.770			
9,200.00	7,243.44	7,273.44	7,273.44	70.63	252.19	89.50	1,263.35	-5,724.06	4,976.59	4,690.74	285.85	17.410			
9,300.00	7,243.60	7,273.60	7,273.60	73.12	252.20	89.51	1,263.35	-5,724.06	4,878.37	4,592.22	286.14	17.049			
9,400.00	7,243.77	7,273.77	7,273.77	75.63	252.20	89.52	1,263.35	-5,724.06	4,780.22	4,493.75	286.46	16.687			
9,500.00	7,243.94	7,273.94	7,273.94	78.17	252.21	89.53	1,263.35	-5,724.06	4,682.15	4,395.33	286.82	16.325			
9,600.00	7,244.10	7,274.10	7,274.10	80.73	252.22	89.54	1,263.35	-5,724.06	4,584.16	4,296.96	287.20	15.961			
9,700.00	7,244.27	7,274.27	7,274.27	83.31	252.22	89.55	1,263.35	-5,724.06	4,486.27	4,198.64	287.62	15.598			
9,800.00	7,244.44	7,274.44	7,274.44	85.91	252.23	89.56	1,263.35	-5,724.06	4,388.46	4,100.38	288.08	15.233			
9,900.00	7,244.60	7,274.60	7,274.60	88.53	252.23	89.57	1,263.35	-5,724.06	4,290.76	4,002.18	288.58	14.868			
10,000.00	7,244.77	7,274.77	7,274.77	91.16	252.24	89.58	1,263.35	-5,724.06	4,193.17	3,904.04	289.13	14.503			
10,100.00	7,244.94	7,274.94	7,274.94	93.81	252.24	89.59	1,263.35	-5,724.06	4,095.69	3,805.97	289.72	14.137			
10,200.00	7,245.10	7,275.10	7,275.10	96.46	252.25	89.60	1,263.35	-5,724.06	3,998.34	3,707.98	290.37	13.770			
10,300.00	7,245.27	7,275.27	7,275.27	99.14	252.26	89.61	1,263.35	-5,724.06	3,901.12	3,610.06	291.07	13.403			
10,400.00	7,245.43	7,275.43	7,275.43	101.82	252.26	89.62	1,263.35	-5,724.06	3,804.05	3,512.22	291.83	13.035			
10,500.00	7,245.60	7,275.60	7,275.60	104.51	252.27	89.63	1,263.35	-5,724.06	3,707.13	3,414.47	292.66	12.667			
10,600.00	7,245.77	7,275.77	7,275.77	107.21	252.27	89.64	1,263.35	-5,724.06	3,610.38	3,316.83	293.56	12.299			
10,700.00	7,245.93	7,275.93	7,275.93	109.92	252.28	89.65	1,263.35	-5,724.06	3,513.82	3,219.28	294.54	11.930			
10,800.00	7,246.10	7,276.10	7,276.10	112.64	252.28	89.66	1,263.35	-5,724.06	3,417.45	3,121.85	295.60	11.561			
10,900.00	7,246.27	7,276.27	7,276.27	115.37	252.29	89.67	1,263.35	-5,724.06	3,321.29	3,024.54	296.75	11.192			
11,000.00	7,246.43	7,276.43	7,276.43	118.10	252.30	89.68	1,263.35	-5,724.06	3,225.37	2,927.37	298.00	10.823			
11,100.00	7,246.60	7,276.60	7,276.60	120.84	252.30	89.69	1,263.35	-5,724.06	3,129.70	2,830.35	299.36	10.455			
11,200.00	7,246.77	7,276.77	7,276.77	123.58	252.31	89.70	1,263.35	-5,724.06	3,034.31	2,733.48	300.83	10.086			
11,300.00	7,246.93	7,276.93	7,276.93	126.34	252.31	89.71	1,263.35	-5,724.06	2,939.23	2,636.80	302.43	9.719			
11,340.34	7,247.00	7,277.00	7,277.00	127.45	252.32	89.72	1,263.35	-5,724.06	2,900.97	2,597.85	303.12	9.570			
11,400.00	7,247.10	7,277.10	7,277.10	129.09	252.32	89.73	1,263.35	-5,724.06	2,844.70	2,540.49	304.21	9.351			
11,500.00	7,247.27	7,277.27	7,277.27	131.84	252.33	89.76	1,263.35	-5,724.06	2,751.70	2,445.39	306.30	8.984			
11,586.15	7,247.43	7,277.43	7,277.43	134.20	252.33	89.78	1,263.35	-5,724.06	2,673.11	2,364.70	308.41	8.667			
11,600.00	7,247.45	7,277.45	7,277.45	134.57	252.33	89.78	1,263.35	-5,724.06	2,660.60	2,351.82	308.77	8.617			
11,700.00	7,247.64	7,277.64	7,277.64	137.31	252.34	89.79	1,263.35	-5,724.06	2,570.73	2,259.19	311.54	8.252			
11,800.00	7,247.82	7,277.82	7,277.82	140.05	252.34	89.80	1,263.35	-5,724.06	2,481.63	2,167.08	314.55	7.889			
11,900.00	7,248.00	7,278.00	7,278.00	142.79	252.35	89.81	1,263.35	-5,724.06	2,393.39	2,075.57	317.82	7.531			
12,000.00	7,248.18	7,278.18	7,278.18	145.53	252.36	89.82	1,263.35	-5,724.06	2,306.12	1,984.74	321.38	7.176			
12,100.00	7,248.37	7,278.37	7,278.37	148.28	252.36	89.83	1,263.35	-5,724.06	2,219.92	1,894.68	325.24	6.825			
12,200.00	7,248.55	7,278.55	7,278.55	151.04	252.37	89.84	1,263.35	-5,724.06	2,134.92	1,805.49	329.43	6.481			
12,300.00	7,248.73	7,278.73	7,278.73	153.80	252.38	89.85	1,263.35	-5,724.06	2,051.28	1,717.30	333.97	6.142			
12,400.00	7,248.91	7,278.91	7,278.91	156.56	252.38	89.85	1,263.35	-5,724.06	1,969.16	1,630.26	338.90	5.810			
12,500.00	7,249.10	7,279.10	7,279.10	159.32	252.39	89.86	1,263.35	-5,724.06	1,888.77	1,544.54	344.23	5.487			
12,600.00	7,249.28	7,279.28	7,279.28	162.09	252.40	89.87	1,263.35	-5,724.06	1,810.33	1,460.35	349.98	5.173			
12,700.00	7,249.46	7,279.46	7,279.46	164.86	252.40	89.88	1,263.35	-5,724.06	1,734.11	1,377.93	356.18	4.869			
12,800.00	7,249.64	7,279.64	7,279.64	167.63	252.41	89.89	1,263.35	-5,724.06	1,660.42	1,297.57	362.84	4.576			
12,900.00	7,249.83	7,279.83	7,279.83	170.40	252.42	89.90	1,263.35	-5,724.06	1,589.60	1,219.63	369.97	4.297			
13,000.00	7,250.01	7,280.01	7,280.01	173.18	252.42	89.91	1,263.35	-5,724.06	1,522.07	1,144.52	377.54	4.031			
13,100.00	7,250.19	7,280.19	7,280.19	175.96	252.43	89.92	1,263.35	-5,724.06	1,458.26	1,072.73	385.54	3.782			
13,200.00	7,250.37	7,280.37	7,280.37	178.74	252.43	89.93	1,263.35	-5,724.06	1,398.71	1,004.82	393.89	3.551			
13,300.00	7,250.56	7,280.56	7,280.56	181.52	252.44	89.94	1,263.35	-5,724.06	1,343.96	941.46	402.50	3.339			
13,400.00	7,250.74	7,280.74	7,280.74	184.31	252.45	89.95	1,263.35	-5,724.06	1,294.64	883.41	411.23	3.148			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #42-10(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,500.00	7,250.92	7,280.92	7,280.92	187.09	252.45	89.95	1,263.35	-5,724.06	1,251.37	831.49	419.89	2.980		
13,600.00	7,251.10	7,281.10	7,281.10	189.88	252.46	89.96	1,263.35	-5,724.06	1,214.82	786.57	428.24	2.837		
13,700.00	7,251.29	7,281.29	7,281.29	192.67	252.47	89.97	1,263.35	-5,724.06	1,185.59	749.56	436.03	2.719		
13,800.00	7,251.47	7,281.47	7,281.47	195.47	252.47	89.98	1,263.35	-5,724.06	1,164.25	721.29	442.96	2.628		
13,900.00	7,251.65	7,281.65	7,281.65	198.26	252.48	89.99	1,263.35	-5,724.06	1,151.23	702.46	448.77	2.565		
14,000.00	7,251.83	7,281.83	7,281.83	201.05	252.49	90.00	1,263.35	-5,724.06	1,146.81	693.57	453.24	2.530		
14,000.75	7,251.83	7,281.83	7,281.83	201.08	252.49	90.00	1,263.35	-5,724.06	1,146.81	693.54	453.27	2.530 CC, ES		
14,100.00	7,252.01	7,282.01	7,282.01	203.85	252.49	90.01	1,263.35	-5,724.06	1,151.10	694.86	456.24	2.523 SF		
14,200.00	7,252.20	7,282.20	7,282.20	206.65	252.50	90.02	1,263.35	-5,724.06	1,163.99	706.26	457.73	2.543		
14,300.00	7,252.38	7,282.38	7,282.38	209.45	252.50	90.03	1,263.35	-5,724.06	1,185.21	727.44	457.77	2.589		
14,400.00	7,252.56	7,282.56	7,282.56	212.25	252.51	90.04	1,263.35	-5,724.06	1,214.32	757.80	456.52	2.660		
14,500.00	7,252.74	7,282.74	7,282.74	215.05	252.52	90.05	1,263.35	-5,724.06	1,250.77	796.60	454.17	2.754		
14,600.00	7,252.93	7,282.93	7,282.93	217.86	252.52	90.05	1,263.35	-5,724.06	1,293.94	842.98	450.95	2.869		
14,700.00	7,253.11	7,283.11	7,283.11	220.66	252.53	90.06	1,263.35	-5,724.06	1,343.18	896.09	447.09	3.004		
14,800.00	7,253.29	7,283.29	7,283.29	223.47	252.54	90.07	1,263.35	-5,724.06	1,397.85	955.06	442.78	3.157		
14,900.00	7,253.47	7,283.47	7,283.47	226.27	252.54	90.08	1,263.35	-5,724.06	1,457.33	1,019.12	438.21	3.326		
15,000.00	7,253.66	7,283.66	7,283.66	229.08	252.55	90.09	1,263.35	-5,724.06	1,521.07	1,087.56	433.52	3.509		
15,100.00	7,253.84	7,283.84	7,283.84	231.89	252.56	90.10	1,263.35	-5,724.06	1,588.56	1,159.75	428.81	3.705		
15,200.00	7,254.02	7,284.02	7,284.02	234.70	252.56	90.11	1,263.35	-5,724.06	1,659.33	1,235.17	424.16	3.912		
15,300.00	7,254.20	7,284.20	7,284.20	237.51	252.57	90.12	1,263.35	-5,724.06	1,732.98	1,313.34	419.63	4.130		
15,400.00	7,254.39	7,284.39	7,284.39	240.32	252.57	90.13	1,263.35	-5,724.06	1,809.16	1,393.89	415.27	4.357		
15,500.00	7,254.57	7,284.57	7,284.57	243.13	252.58	90.14	1,263.35	-5,724.06	1,887.57	1,476.48	411.08	4.592		
15,600.00	7,254.75	7,284.75	7,284.75	245.94	252.59	90.15	1,263.35	-5,724.06	1,967.93	1,560.84	407.10	4.834		
15,700.00	7,254.93	7,284.93	7,284.93	248.76	252.59	90.15	1,263.35	-5,724.06	2,050.03	1,646.72	403.31	5.083		
15,800.00	7,255.12	7,285.12	7,285.12	251.57	252.60	90.16	1,263.35	-5,724.06	2,133.65	1,733.93	399.72	5.338		
15,900.00	7,255.30	7,285.30	7,285.30	254.39	252.61	90.17	1,263.35	-5,724.06	2,218.63	1,822.30	396.33	5.598		
16,000.00	7,255.48	7,285.48	7,285.48	257.20	252.61	90.18	1,263.35	-5,724.06	2,304.81	1,911.68	393.13	5.863		
16,100.00	7,255.66	7,285.66	7,285.66	260.02	252.62	90.19	1,263.35	-5,724.06	2,392.07	2,001.96	390.11	6.132		
16,200.00	7,255.85	7,285.85	7,285.85	262.84	252.63	90.20	1,263.35	-5,724.06	2,480.29	2,093.03	387.26	6.405		
16,300.00	7,256.03	7,286.03	7,286.03	265.65	252.63	90.21	1,263.35	-5,724.06	2,569.38	2,184.81	384.57	6.681		
16,400.00	7,256.21	7,286.21	7,286.21	268.47	252.64	90.22	1,263.35	-5,724.06	2,659.24	2,277.20	382.03	6.961		
16,500.00	7,256.39	7,286.39	7,286.39	271.29	252.64	90.23	1,263.35	-5,724.06	2,749.80	2,370.16	379.64	7.243		
16,600.00	7,256.58	7,286.58	7,286.58	274.11	252.65	90.24	1,263.35	-5,724.06	2,840.99	2,463.61	377.38	7.528		
16,700.00	7,256.76	7,286.76	7,286.76	276.93	252.66	90.25	1,263.35	-5,724.06	2,932.76	2,557.51	375.25	7.816		
16,800.00	7,256.94	7,286.94	7,286.94	279.75	252.66	90.26	1,263.35	-5,724.06	3,025.05	2,651.82	373.23	8.105		
16,900.00	7,257.12	7,287.12	7,287.12	282.57	252.67	90.26	1,263.35	-5,724.06	3,117.82	2,746.49	371.32	8.397		
17,000.00	7,257.30	7,287.30	7,287.30	285.40	252.68	90.27	1,263.35	-5,724.06	3,211.02	2,841.50	369.52	8.690		
17,100.00	7,257.49	7,287.49	7,287.49	288.22	252.68	90.28	1,263.35	-5,724.06	3,304.61	2,936.81	367.81	8.985		
17,200.00	7,257.67	7,287.67	7,287.67	291.04	252.69	90.29	1,263.35	-5,724.06	3,398.58	3,032.39	366.19	9.281		
17,300.00	7,257.85	7,287.85	7,287.85	293.87	252.70	90.30	1,263.35	-5,724.06	3,492.87	3,128.23	364.65	9.579		
17,400.00	7,258.03	7,288.03	7,288.03	296.69	252.70	90.31	1,263.35	-5,724.06	3,587.48	3,224.29	363.19	9.878		
17,500.00	7,258.22	7,288.22	7,288.22	299.51	252.71	90.32	1,263.35	-5,724.06	3,682.37	3,320.57	361.80	10.178		
17,600.00	7,258.40	7,288.40	7,288.40	302.34	252.71	90.33	1,263.35	-5,724.06	3,777.53	3,417.04	360.48	10.479		
17,700.00	7,258.58	7,288.58	7,288.58	305.16	252.72	90.34	1,263.35	-5,724.06	3,872.93	3,513.70	359.23	10.781		
17,800.00	7,258.76	7,288.76	7,288.76	307.99	252.73	90.35	1,263.35	-5,724.06	3,968.55	3,610.52	358.03	11.084		
17,900.00	7,258.95	7,288.95	7,288.95	310.82	252.73	90.36	1,263.35	-5,724.06	4,064.39	3,707.49	356.89	11.388		
18,000.00	7,259.13	7,289.13	7,289.13	313.64	252.74	90.36	1,263.35	-5,724.06	4,160.42	3,804.61	355.81	11.693		
18,100.00	7,259.31	7,289.31	7,289.31	316.47	252.75	90.37	1,263.35	-5,724.06	4,256.63	3,901.86	354.77	11.998		
18,200.00	7,259.49	7,289.49	7,289.49	319.30	252.75	90.38	1,263.35	-5,724.06	4,353.02	3,999.23	353.79	12.304		
18,300.00	7,259.68	7,289.68	7,289.68	322.12	252.76	90.39	1,263.35	-5,724.06	4,449.57	4,096.72	352.84	12.611		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - ANDERSON #42-10(PR) - OH - OH											Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma											Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance					Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)	
18,400.00	7,259.86	7,289.86	7,289.86	324.95	252.77	90.40	1,263.35	-5,724.06	4,546.26	4,194.32	351.94	12.918
18,500.00	7,260.04	7,309.96	7,290.04	327.78	253.47	90.41	1,263.35	-5,724.06	4,643.09	4,291.32	351.77	13.199
18,600.00	7,260.22	7,309.78	7,290.22	330.61	253.46	90.42	1,263.35	-5,724.06	4,740.06	4,389.13	350.94	13.507
18,700.00	7,260.41	7,309.59	7,290.41	333.44	253.45	90.43	1,263.35	-5,724.06	4,837.15	4,487.02	350.13	13.815
18,800.00	7,260.59	7,309.41	7,290.59	336.27	253.45	90.44	1,263.35	-5,724.06	4,934.36	4,584.99	349.36	14.124
18,900.00	7,260.77	7,309.23	7,290.77	339.10	253.44	90.45	1,263.35	-5,724.06	5,031.67	4,683.05	348.62	14.433
19,000.00	7,260.95	7,309.05	7,290.95	341.93	253.44	90.46	1,263.35	-5,724.06	5,129.09	4,781.17	347.92	14.742
19,025.91	7,261.00	7,309.00	7,291.00	342.66	253.43	90.46	1,263.35	-5,724.06	5,154.35	4,806.61	347.74	14.822

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	23.00	23.00	3.28	3.30	-89.24	58.30	-4,371.96	4,372.35					
100.00	100.00	123.00	123.00	3.28	4.15	-89.24	58.30	-4,371.96	4,372.35	4,364.91	7.44	587.811		
200.00	200.00	223.00	223.00	3.34	6.87	-89.24	58.30	-4,371.96	4,372.35	4,362.14	10.21	428.255		
300.00	299.98	322.98	322.98	3.44	10.08	-179.95	58.30	-4,371.96	4,374.09	4,360.57	13.52	323.499		
400.00	399.84	422.84	422.84	3.60	13.42	-179.95	58.30	-4,371.96	4,379.32	4,362.30	17.02	257.263		
500.00	499.45	522.45	522.45	3.81	16.82	-179.95	58.30	-4,371.96	4,388.04	4,367.42	20.62	212.794		
600.00	598.70	621.70	621.70	4.05	20.23	-179.95	58.30	-4,371.96	4,400.23	4,375.95	24.28	181.255		
700.00	697.47	720.47	720.47	4.34	23.63	-179.95	58.30	-4,371.96	4,415.87	4,387.90	27.97	157.900		
800.00	795.62	818.62	818.62	4.66	27.03	-179.95	58.30	-4,371.96	4,434.95	4,403.27	31.67	140.014		
849.22	843.68	866.68	866.68	4.84	28.70	-179.95	58.30	-4,371.96	4,445.60	4,412.09	33.51	132.677		
900.00	893.16	916.16	916.16	5.02	30.42	-179.95	58.30	-4,371.96	4,457.01	4,421.61	35.39	125.926		
1,000.00	990.60	1,013.60	1,013.60	5.41	33.80	-179.95	58.30	-4,371.96	4,479.47	4,440.35	39.12	114.496		
1,100.00	1,088.05	1,111.05	1,111.05	5.83	37.19	-179.95	58.30	-4,371.96	4,501.94	4,459.07	42.87	105.005		
1,200.00	1,185.49	1,208.49	1,208.49	6.26	40.58	-179.95	58.30	-4,371.96	4,524.41	4,477.77	46.64	97.005		
1,300.00	1,282.93	1,305.93	1,305.93	6.70	43.97	-179.95	58.30	-4,371.96	4,546.88	4,496.46	50.42	90.176		
1,400.00	1,380.37	1,403.37	1,403.37	7.15	47.36	-179.95	58.30	-4,371.96	4,569.35	4,515.13	54.21	84.282		
1,500.00	1,477.82	1,500.82	1,500.82	7.62	50.75	-179.95	58.30	-4,371.96	4,591.82	4,533.80	58.02	79.146		
1,600.00	1,575.26	1,601.74	1,598.26	8.09	54.27	-179.95	58.30	-4,371.96	4,614.29	4,552.34	61.95	74.486		
1,700.00	1,672.70	1,704.30	1,695.70	8.57	57.84	-179.95	58.30	-4,371.96	4,636.75	4,570.81	65.94	70.315		
1,800.00	1,770.15	1,806.85	1,793.15	9.05	61.42	-179.95	58.30	-4,371.96	4,659.22	4,589.28	69.94	66.614		
1,900.00	1,867.59	1,909.41	1,890.59	9.54	64.99	-179.95	58.30	-4,371.96	4,681.69	4,607.74	73.95	63.310		
2,000.00	1,965.03	1,988.03	1,988.03	10.03	67.74	-179.95	58.30	-4,371.96	4,704.16	4,627.04	77.12	60.994		
2,100.00	2,062.48	2,085.48	2,085.48	10.53	71.13	-179.95	58.30	-4,371.96	4,726.63	4,645.67	80.96	58.383		
2,200.00	2,159.92	2,182.92	2,182.92	11.03	74.53	-179.95	58.30	-4,371.96	4,749.10	4,664.30	84.80	56.005		
2,300.00	2,257.36	2,280.36	2,280.36	11.53	77.93	-179.95	58.30	-4,371.96	4,771.57	4,682.93	88.64	53.832		
2,400.00	2,354.81	2,377.81	2,377.81	12.03	81.33	-179.95	58.30	-4,371.96	4,794.03	4,701.55	92.48	51.838		
2,500.00	2,452.25	2,475.25	2,475.25	12.54	84.73	-179.95	58.30	-4,371.96	4,816.50	4,720.18	96.33	50.001		
2,600.00	2,549.69	2,572.69	2,572.69	13.04	88.13	-179.95	58.30	-4,371.96	4,838.97	4,738.80	100.17	48.305		
2,700.00	2,647.13	2,670.13	2,670.13	13.55	91.53	-179.95	58.30	-4,371.96	4,861.44	4,757.42	104.02	46.734		
2,800.00	2,744.58	2,767.58	2,767.58	14.06	94.93	-179.95	58.30	-4,371.96	4,883.91	4,776.04	107.87	45.274		
2,900.00	2,842.02	2,865.02	2,865.02	14.57	98.33	-179.95	58.30	-4,371.96	4,906.38	4,794.65	111.73	43.914		
3,000.00	2,939.46	2,962.46	2,962.46	15.09	101.73	-179.95	58.30	-4,371.96	4,928.85	4,813.27	115.58	42.645		
3,100.00	3,036.91	3,059.91	3,059.91	15.60	105.13	-179.95	58.30	-4,371.96	4,951.32	4,831.88	119.43	41.456		
3,200.00	3,134.35	3,157.35	3,157.35	16.11	108.53	-179.95	58.30	-4,371.96	4,973.78	4,850.49	123.29	40.342		
3,300.00	3,231.79	3,254.79	3,254.79	16.63	111.93	-179.95	58.30	-4,371.96	4,996.25	4,869.11	127.15	39.295		
3,400.00	3,329.24	3,352.24	3,352.24	17.14	115.33	-179.95	58.30	-4,371.96	5,018.72	4,887.72	131.00	38.310		
3,500.00	3,426.68	3,449.68	3,449.68	17.66	118.73	-179.95	58.30	-4,371.96	5,041.19	4,906.33	134.86	37.381		
3,600.00	3,524.12	3,547.12	3,547.12	18.18	122.13	-179.95	58.30	-4,371.96	5,063.66	4,924.94	138.72	36.503		
3,700.00	3,621.57	3,644.57	3,644.57	18.69	125.53	-179.95	58.30	-4,371.96	5,086.13	4,943.55	142.58	35.672		
3,800.00	3,719.01	3,742.01	3,742.01	19.21	128.93	-179.95	58.30	-4,371.96	5,108.60	4,962.16	146.44	34.886		
3,900.00	3,816.45	3,839.45	3,839.45	19.73	132.33	-179.95	58.30	-4,371.96	5,131.06	4,980.77	150.30	34.139		
4,000.00	3,913.90	3,936.90	3,936.90	20.25	135.73	-179.95	58.30	-4,371.96	5,153.53	4,999.37	154.16	33.430		
4,100.00	4,011.34	4,034.34	4,034.34	20.77	139.13	-179.95	58.30	-4,371.96	5,176.00	5,017.98	158.02	32.755		
4,200.00	4,108.78	4,131.78	4,131.78	21.29	142.53	-179.95	58.30	-4,371.96	5,198.47	5,036.59	161.88	32.112		
4,300.00	4,206.22	4,229.22	4,229.22	21.81	145.93	-179.95	58.30	-4,371.96	5,220.94	5,055.19	165.75	31.500		
4,400.00	4,303.67	4,326.67	4,326.67	22.33	149.33	-179.95	58.30	-4,371.96	5,243.41	5,073.80	169.61	30.915		
4,500.00	4,401.11	4,424.11	4,424.11	22.85	152.74	-179.95	58.30	-4,371.96	5,265.88	5,092.40	173.47	30.356		
4,600.00	4,498.55	4,521.55	4,521.55	23.37	156.14	-179.95	58.30	-4,371.96	5,288.35	5,111.01	177.34	29.821		
4,700.00	4,596.00	4,619.00	4,619.00	23.89	159.54	-179.95	58.30	-4,371.96	5,310.81	5,129.62	181.20	29.309		
4,800.00	4,693.44	4,716.44	4,716.44	24.41	162.94	-179.95	58.30	-4,371.96	5,333.28	5,148.22	185.06	28.819		
4,900.00	4,790.88	4,813.88	4,813.88	24.93	166.34	-179.95	58.30	-4,371.96	5,355.75	5,166.82	188.93	28.348		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,888.33	4,911.33	4,911.33	25.46	169.74	-179.96	58.30	-4,371.96	5,378.22	5,185.43	192.79	27.896					
5,100.00	4,985.77	5,008.77	5,008.77	25.98	173.14	-179.96	58.30	-4,371.96	5,400.69	5,204.03	196.66	27.462					
5,200.00	5,083.21	5,106.21	5,106.21	26.50	176.54	-179.96	58.30	-4,371.96	5,423.16	5,222.64	200.52	27.045					
5,300.00	5,180.66	5,203.66	5,203.66	27.02	179.94	-179.96	58.30	-4,371.96	5,445.63	5,241.24	204.39	26.644					
5,400.00	5,278.10	5,301.10	5,301.10	27.55	183.35	-179.96	58.30	-4,371.96	5,468.09	5,259.84	208.25	26.257					
5,500.00	5,375.54	5,401.46	5,398.54	28.07	186.85	-179.96	58.30	-4,371.96	5,490.56	5,278.34	212.22	25.872					
5,582.90	5,456.32	5,479.32	5,479.32	28.50	189.57	-179.96	58.30	-4,371.96	5,509.19	5,293.87	215.32	25.586					
5,600.00	5,473.00	5,504.00	5,496.00	28.59	190.43	-179.96	58.30	-4,371.96	5,512.98	5,296.72	216.26	25.492					
5,700.00	5,570.93	5,606.07	5,593.93	29.10	193.99	-179.96	58.30	-4,371.96	5,533.16	5,312.88	220.29	25.118					
5,800.00	5,669.52	5,707.48	5,692.52	29.57	197.53	-179.96	58.30	-4,371.96	5,549.91	5,325.63	224.28	24.746					
5,900.00	5,768.62	5,808.38	5,791.62	30.03	201.05	-179.96	58.30	-4,371.96	5,563.21	5,334.97	228.24	24.375					
6,000.00	5,868.13	5,908.87	5,891.13	30.45	204.56	-179.96	58.30	-4,371.96	5,573.04	5,340.86	232.18	24.004					
6,100.00	5,967.93	6,009.07	5,990.93	30.86	208.06	-179.96	58.30	-4,371.96	5,579.39	5,343.30	236.09	23.632					
6,200.00	6,067.88	6,109.12	6,090.88	31.24	211.55	-179.96	58.30	-4,371.96	5,582.26	5,342.27	239.99	23.260					
6,232.12	6,100.00	6,123.00	6,123.00	31.36	212.03	-89.25	58.30	-4,371.96	5,582.44	5,341.84	240.60	23.202					
6,300.00	6,167.88	6,209.12	6,190.88	31.61	215.04	-89.25	58.30	-4,371.96	5,582.44	5,338.57	243.87	22.891					
6,400.00	6,267.88	6,309.12	6,290.88	31.97	218.53	-89.25	58.30	-4,371.96	5,582.44	5,334.70	247.74	22.534					
6,500.00	6,367.88	6,409.12	6,390.88	32.34	222.02	-89.25	58.30	-4,371.96	5,582.44	5,330.83	251.61	22.187					
6,600.00	6,467.88	6,509.12	6,490.88	32.70	225.51	-89.25	58.30	-4,371.96	5,582.44	5,326.96	255.48	21.851					
6,700.00	6,567.88	6,609.12	6,590.88	33.07	229.00	-89.25	58.30	-4,371.96	5,582.44	5,323.08	259.36	21.524					
6,736.50	6,604.38	6,627.38	6,627.38	33.21	229.64	-89.25	58.30	-4,371.96	5,582.44	5,322.30	260.14	21.460					
6,750.00	6,617.88	6,640.88	6,640.88	33.25	230.11	-2.15	58.30	-4,371.96	5,582.30	5,321.64	260.66	21.416					
6,800.00	6,667.77	6,709.23	6,690.77	33.43	232.50	-2.17	58.30	-4,371.96	5,579.28	5,316.06	263.22	21.197					
6,850.00	6,717.28	6,740.28	6,740.28	33.60	233.58	-2.19	58.30	-4,371.96	5,572.36	5,307.90	264.46	21.071					
6,900.00	6,766.09	6,789.09	6,789.09	33.79	235.28	-2.24	58.30	-4,371.96	5,561.57	5,295.27	266.30	20.884					
6,950.00	6,813.90	6,836.90	6,836.90	33.99	236.95	-2.30	58.30	-4,371.96	5,547.00	5,278.90	268.10	20.690					
7,000.00	6,860.42	6,883.42	6,883.42	34.20	238.58	-2.38	58.30	-4,371.96	5,528.72	5,258.89	269.83	20.490					
7,050.00	6,905.36	6,928.36	6,928.36	34.42	240.15	-2.48	58.30	-4,371.96	5,506.85	5,235.36	271.49	20.284					
7,100.00	6,948.45	6,971.45	6,971.45	34.67	241.65	-2.61	58.30	-4,371.96	5,481.52	5,208.46	273.07	20.074					
7,150.00	6,989.41	7,012.41	7,012.41	34.94	243.08	-2.77	58.30	-4,371.96	5,452.90	5,178.35	274.55	19.861					
7,200.00	7,028.00	7,051.00	7,051.00	35.24	244.43	-2.97	58.30	-4,371.96	5,421.15	5,145.21	275.94	19.646					
7,250.00	7,063.98	7,086.98	7,086.98	35.56	245.68	-3.22	58.30	-4,371.96	5,386.48	5,109.24	277.23	19.430					
7,300.00	7,097.13	7,120.13	7,120.13	35.92	246.84	-3.55	58.30	-4,371.96	5,349.09	5,070.68	278.41	19.213					
7,350.00	7,127.23	7,150.23	7,150.23	36.32	247.89	-3.97	58.30	-4,371.96	5,309.21	5,029.75	279.47	18.998					
7,400.00	7,154.12	7,177.12	7,177.12	36.75	248.83	-4.52	58.30	-4,371.96	5,267.10	4,986.70	280.40	18.784					
7,450.00	7,177.61	7,200.61	7,200.61	37.22	249.65	-5.28	58.30	-4,371.96	5,223.02	4,941.80	281.22	18.573					
7,500.00	7,197.57	7,220.57	7,220.57	37.73	250.35	-6.38	58.30	-4,371.96	5,177.23	4,895.32	281.90	18.365					
7,550.00	7,213.88	7,236.88	7,236.88	38.28	250.92	-8.07	58.30	-4,371.96	5,130.01	4,847.55	282.46	18.162					
7,600.00	7,226.42	7,249.42	7,249.42	38.87	251.35	-10.99	58.30	-4,371.96	5,081.67	4,798.78	282.88	17.964					
7,650.00	7,235.13	7,258.13	7,258.13	39.48	251.66	-17.12	58.30	-4,371.96	5,032.49	4,749.31	283.18	17.772					
7,700.00	7,239.95	7,262.95	7,262.95	40.12	251.83	-36.33	58.30	-4,371.96	4,982.77	4,699.44	283.34	17.586					
7,735.44	7,241.00	7,264.00	7,264.00	40.59	251.86	-87.75	58.30	-4,371.96	4,947.39	4,664.01	283.38	17.459					
7,800.00	7,241.11	7,264.11	7,264.11	41.47	251.87	-87.78	58.30	-4,371.96	4,882.89	4,599.50	283.38	17.231					
7,900.00	7,241.27	7,264.27	7,264.27	42.96	251.87	-87.83	58.30	-4,371.96	4,782.98	4,499.59	283.39	16.878					
8,000.00	7,241.44	7,264.44	7,264.44	44.59	251.88	-87.87	58.30	-4,371.96	4,683.08	4,399.67	283.40	16.524					
8,100.00	7,241.61	7,264.61	7,264.61	46.34	251.88	-87.92	58.30	-4,371.96	4,583.18	4,299.76	283.42	16.171					
8,200.00	7,241.77	7,264.77	7,264.77	48.20	251.89	-87.96	58.30	-4,371.96	4,483.29	4,199.85	283.44	15.818					
8,300.00	7,241.94	7,264.94	7,264.94	50.16	251.90	-88.01	58.30	-4,371.96	4,383.40	4,099.94	283.46	15.464					
8,400.00	7,242.11	7,265.11	7,265.11	52.20	251.90	-88.06	58.30	-4,371.96	4,283.52	4,000.04	283.48	15.110					
8,500.00	7,242.27	7,265.27	7,265.27	54.31	251.91	-88.10	58.30	-4,371.96	4,183.64	3,900.14	283.50	14.757					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	7,265.44	7,265.44	56.49	251.91	-88.15	58.30	-4,371.96	4,083.77	3,800.24	283.53	14.403		
8,700.00	7,242.60	7,265.60	7,265.60	58.73	251.92	-88.19	58.30	-4,371.96	3,983.91	3,700.34	283.56	14.049		
8,800.00	7,242.77	7,265.77	7,265.77	61.03	251.92	-88.24	58.30	-4,371.96	3,884.05	3,600.45	283.60	13.696		
8,900.00	7,242.94	7,265.94	7,265.94	63.37	251.93	-88.28	58.30	-4,371.96	3,784.20	3,500.56	283.64	13.342		
9,000.00	7,243.10	7,266.10	7,266.10	65.75	251.94	-88.33	58.30	-4,371.96	3,684.36	3,400.68	283.68	12.988		
9,100.00	7,243.27	7,266.27	7,266.27	68.18	251.94	-88.37	58.30	-4,371.96	3,584.52	3,300.80	283.73	12.634		
9,200.00	7,243.44	7,266.44	7,266.44	70.63	251.95	-88.42	58.30	-4,371.96	3,484.70	3,200.92	283.78	12.280		
9,300.00	7,243.60	7,266.60	7,266.60	73.12	251.95	-88.46	58.30	-4,371.96	3,384.89	3,101.05	283.84	11.925		
9,400.00	7,243.77	7,266.77	7,266.77	75.63	251.96	-88.51	58.30	-4,371.96	3,285.08	3,001.18	283.90	11.571		
9,500.00	7,243.94	7,266.94	7,266.94	78.17	251.97	-88.56	58.30	-4,371.96	3,185.30	2,901.33	283.97	11.217		
9,600.00	7,244.10	7,267.10	7,267.10	80.73	251.97	-88.60	58.30	-4,371.96	3,085.52	2,801.47	284.05	10.863		
9,700.00	7,244.27	7,267.27	7,267.27	83.31	251.98	-88.65	58.30	-4,371.96	2,985.76	2,701.63	284.13	10.508		
9,800.00	7,244.44	7,267.44	7,267.44	85.91	251.98	-88.69	58.30	-4,371.96	2,886.02	2,601.79	284.23	10.154		
9,900.00	7,244.60	7,267.60	7,267.60	88.53	251.99	-88.74	58.30	-4,371.96	2,786.29	2,501.95	284.34	9.799		
10,000.00	7,244.77	7,267.77	7,267.77	91.16	251.99	-88.78	58.30	-4,371.96	2,686.58	2,402.13	284.46	9.445		
10,100.00	7,244.94	7,267.94	7,267.94	93.81	252.00	-88.83	58.30	-4,371.96	2,586.90	2,302.31	284.59	9.090		
10,200.00	7,245.10	7,268.10	7,268.10	96.46	252.01	-88.87	58.30	-4,371.96	2,487.24	2,202.50	284.74	8.735		
10,300.00	7,245.27	7,268.27	7,268.27	99.14	252.01	-88.92	58.30	-4,371.96	2,387.62	2,102.70	284.91	8.380		
10,400.00	7,245.43	7,268.43	7,268.43	101.82	252.02	-88.96	58.30	-4,371.96	2,288.02	2,002.91	285.11	8.025		
10,500.00	7,245.60	7,268.60	7,268.60	104.51	252.02	-89.01	58.30	-4,371.96	2,188.46	1,903.13	285.33	7.670		
10,600.00	7,245.77	7,268.77	7,268.77	107.21	252.03	-89.06	58.30	-4,371.96	2,088.94	1,803.36	285.58	7.315		
10,700.00	7,245.93	7,268.93	7,268.93	109.92	252.03	-89.10	58.30	-4,371.96	1,989.47	1,703.60	285.88	6.959		
10,800.00	7,246.10	7,269.10	7,269.10	112.64	252.04	-89.15	58.30	-4,371.96	1,890.06	1,603.84	286.22	6.604		
10,900.00	7,246.27	7,269.27	7,269.27	115.37	252.05	-89.19	58.30	-4,371.96	1,790.71	1,504.09	286.62	6.248		
11,000.00	7,246.43	7,269.43	7,269.43	118.10	252.05	-89.24	58.30	-4,371.96	1,691.44	1,404.35	287.09	5.892		
11,100.00	7,246.60	7,269.60	7,269.60	120.84	252.06	-89.28	58.30	-4,371.96	1,592.26	1,304.61	287.65	5.535		
11,200.00	7,246.77	7,269.77	7,269.77	123.58	252.06	-89.33	58.30	-4,371.96	1,493.19	1,204.87	288.33	5.179		
11,300.00	7,246.93	7,269.93	7,269.93	126.34	252.07	-89.37	58.30	-4,371.96	1,394.26	1,105.11	289.14	4.822		
11,340.34	7,247.00	7,270.00	7,270.00	127.45	252.07	-89.39	58.30	-4,371.96	1,354.39	1,064.87	289.52	4.678		
11,400.00	7,247.10	7,270.10	7,270.10	129.09	252.08	-89.31	58.30	-4,371.96	1,295.39	1,005.29	290.10	4.465		
11,500.00	7,247.27	7,270.27	7,270.27	131.84	252.08	-89.14	58.30	-4,371.96	1,196.22	905.18	291.04	4.110		
11,586.15	7,247.43	7,270.43	7,270.43	134.20	252.09	-88.90	58.30	-4,371.96	1,110.56	818.76	291.80	3.806		
11,600.00	7,247.45	7,270.45	7,270.45	134.57	252.09	-88.91	58.30	-4,371.96	1,096.77	804.86	291.91	3.757		
11,700.00	7,247.64	7,270.64	7,270.64	137.31	252.09	-89.01	58.30	-4,371.96	997.27	704.41	292.87	3.405		
11,800.00	7,247.82	7,270.82	7,270.82	140.05	252.10	-89.11	58.30	-4,371.96	897.89	603.82	294.07	3.053		
11,900.00	7,248.00	7,271.00	7,271.00	142.79	252.11	-89.21	58.30	-4,371.96	798.66	503.04	295.62	2.702		
12,000.00	7,248.18	7,271.18	7,271.18	145.53	252.11	-89.31	58.30	-4,371.96	699.65	401.96	297.69	2.350		
12,100.00	7,248.37	7,271.37	7,271.37	148.28	252.12	-89.41	58.30	-4,371.96	600.97	300.40	300.57	1.999		
12,200.00	7,248.55	7,271.55	7,271.55	151.04	252.13	-89.51	58.30	-4,371.96	502.81	198.05	304.75	1.650		
12,300.00	7,248.73	7,271.73	7,271.73	153.80	252.13	-89.61	58.30	-4,371.96	405.55	94.31	311.24	1.303 Level 3		
12,400.00	7,248.91	7,271.91	7,271.91	156.56	252.14	-89.71	58.30	-4,371.96	310.03	-12.12	322.15	0.962 Level 1		
12,500.00	7,249.10	7,272.10	7,272.10	159.32	252.15	-89.81	58.30	-4,371.96	218.56	-123.92	342.48	0.638 Level 1		
12,600.00	7,249.28	7,272.28	7,272.28	162.09	252.15	-89.91	58.30	-4,371.96	139.36	-243.34	382.70	0.364 Level 1		
12,691.75	7,249.45	7,272.45	7,272.45	164.63	252.16	-90.00	58.30	-4,371.96	104.91	-311.52	416.42	0.252 Level 1, CC, ES, SF		
12,700.00	7,249.46	7,272.46	7,272.46	164.86	252.16	-90.01	58.30	-4,371.96	105.23	-310.10	415.33	0.253 Level 1		
12,800.00	7,249.64	7,272.64	7,272.64	167.63	252.16	-90.11	58.30	-4,371.96	150.75	-212.72	363.47	0.415 Level 1		
12,900.00	7,249.83	7,272.83	7,272.83	170.40	252.17	-90.21	58.30	-4,371.96	233.19	-92.18	325.37	0.717 Level 1		
13,000.00	7,250.01	7,273.01	7,273.01	173.18	252.18	-90.31	58.30	-4,371.96	325.62	18.13	307.49	1.059 Level 2		
13,100.00	7,250.19	7,273.19	7,273.19	175.96	252.18	-90.41	58.30	-4,371.96	421.52	123.03	298.49	1.412 Level 3		
13,200.00	7,250.37	7,273.37	7,273.37	178.74	252.19	-90.51	58.30	-4,371.96	518.97	225.39	293.58	1.768		
13,300.00	7,250.56	7,273.56	7,273.56	181.52	252.20	-90.61	58.30	-4,371.96	617.24	326.50	290.74	2.123		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,400.00	7,250.74	7,273.74	7,273.74	184.31	252.20	-90.71	58.30	-4,371.96	715.98	426.97	289.02	2.477		
13,500.00	7,250.92	7,273.92	7,273.92	187.09	252.21	-90.81	58.30	-4,371.96	815.04	527.10	287.94	2.831		
13,600.00	7,251.10	7,274.10	7,274.10	189.88	252.22	-90.90	58.30	-4,371.96	914.30	627.04	287.26	3.183		
13,700.00	7,251.29	7,274.29	7,274.29	192.67	252.22	-91.00	58.30	-4,371.96	1,013.70	726.88	286.82	3.534		
13,800.00	7,251.47	7,274.47	7,274.47	195.47	252.23	-91.10	58.30	-4,371.96	1,113.21	826.67	286.54	3.885		
13,900.00	7,251.65	7,274.65	7,274.65	198.26	252.23	-91.20	58.30	-4,371.96	1,212.80	926.44	286.36	4.235		
14,000.00	7,251.83	7,274.83	7,274.83	201.05	252.24	-91.30	58.30	-4,371.96	1,312.46	1,026.19	286.26	4.585		
14,100.00	7,252.01	7,275.01	7,275.01	203.85	252.25	-91.40	58.30	-4,371.96	1,412.16	1,125.94	286.22	4.934		
14,200.00	7,252.20	7,275.20	7,275.20	206.65	252.25	-91.50	58.30	-4,371.96	1,511.90	1,225.69	286.21	5.283		
14,300.00	7,252.38	7,275.38	7,275.38	209.45	252.26	-91.60	58.30	-4,371.96	1,611.67	1,325.45	286.22	5.631		
14,400.00	7,252.56	7,275.56	7,275.56	212.25	252.27	-91.70	58.30	-4,371.96	1,711.47	1,425.21	286.26	5.979		
14,500.00	7,252.74	7,275.74	7,275.74	215.05	252.27	-91.80	58.30	-4,371.96	1,811.30	1,524.99	286.31	6.326		
14,600.00	7,252.93	7,275.93	7,275.93	217.86	252.28	-91.90	58.30	-4,371.96	1,911.14	1,624.76	286.37	6.674		
14,700.00	7,253.11	7,276.11	7,276.11	220.66	252.29	-92.00	58.30	-4,371.96	2,010.99	1,724.55	286.44	7.021		
14,800.00	7,253.29	7,276.29	7,276.29	223.47	252.29	-92.10	58.30	-4,371.96	2,110.86	1,824.34	286.52	7.367		
14,900.00	7,253.47	7,276.47	7,276.47	226.27	252.30	-92.20	58.30	-4,371.96	2,210.74	1,924.14	286.60	7.714		
15,000.00	7,253.66	7,276.66	7,276.66	229.08	252.30	-92.30	58.30	-4,371.96	2,310.64	2,023.95	286.69	8.060		
15,100.00	7,253.84	7,276.84	7,276.84	231.89	252.31	-92.40	58.30	-4,371.96	2,410.54	2,123.76	286.78	8.406		
15,200.00	7,254.02	7,277.02	7,277.02	234.70	252.32	-92.50	58.30	-4,371.96	2,510.45	2,223.57	286.87	8.751		
15,300.00	7,254.20	7,277.20	7,277.20	237.51	252.32	-92.60	58.30	-4,371.96	2,610.36	2,323.39	286.97	9.096		
15,400.00	7,254.39	7,277.39	7,277.39	240.32	252.33	-92.70	58.30	-4,371.96	2,710.28	2,423.22	287.07	9.441		
15,500.00	7,254.57	7,277.57	7,277.57	243.13	252.34	-92.80	58.30	-4,371.96	2,810.21	2,523.05	287.17	9.786		
15,600.00	7,254.75	7,277.75	7,277.75	245.94	252.34	-92.89	58.30	-4,371.96	2,910.14	2,622.88	287.27	10.131		
15,700.00	7,254.93	7,277.93	7,277.93	248.76	252.35	-92.99	58.30	-4,371.96	3,010.08	2,722.72	287.37	10.475		
15,800.00	7,255.12	7,278.12	7,278.12	251.57	252.36	-93.09	58.30	-4,371.96	3,110.02	2,822.55	287.47	10.819		
15,900.00	7,255.30	7,278.30	7,278.30	254.39	252.36	-93.19	58.30	-4,371.96	3,209.97	2,922.40	287.57	11.162		
16,000.00	7,255.48	7,278.48	7,278.48	257.20	252.37	-93.29	58.30	-4,371.96	3,309.92	3,022.24	287.68	11.506		
16,100.00	7,255.66	7,278.66	7,278.66	260.02	252.37	-93.39	58.30	-4,371.96	3,409.87	3,122.09	287.78	11.849		
16,200.00	7,255.85	7,278.85	7,278.85	262.84	252.38	-93.49	58.30	-4,371.96	3,509.82	3,221.94	287.89	12.192		
16,300.00	7,256.03	7,279.03	7,279.03	265.65	252.39	-93.59	58.30	-4,371.96	3,609.78	3,321.79	287.99	12.534		
16,400.00	7,256.21	7,279.21	7,279.21	268.47	252.39	-93.69	58.30	-4,371.96	3,709.74	3,421.64	288.10	12.877		
16,500.00	7,256.39	7,279.39	7,279.39	271.29	252.40	-93.79	58.30	-4,371.96	3,809.70	3,521.49	288.20	13.219		
16,600.00	7,256.58	7,279.58	7,279.58	274.11	252.41	-93.89	58.30	-4,371.96	3,909.66	3,621.35	288.31	13.561		
16,700.00	7,256.76	7,279.76	7,279.76	276.93	252.41	-93.99	58.30	-4,371.96	4,009.62	3,721.20	288.42	13.902		
16,800.00	7,256.94	7,279.94	7,279.94	279.75	252.42	-94.09	58.30	-4,371.96	4,109.59	3,821.06	288.53	14.243		
16,900.00	7,257.12	7,280.12	7,280.12	282.57	252.43	-94.18	58.30	-4,371.96	4,209.56	3,920.92	288.64	14.584		
17,000.00	7,257.30	7,280.30	7,280.30	285.40	252.43	-94.28	58.30	-4,371.96	4,309.53	4,020.78	288.75	14.925		
17,100.00	7,257.49	7,280.49	7,280.49	288.22	252.44	-94.38	58.30	-4,371.96	4,409.50	4,120.64	288.86	15.265		
17,200.00	7,257.67	7,280.67	7,280.67	291.04	252.44	-94.48	58.30	-4,371.96	4,509.47	4,220.50	288.97	15.605		
17,300.00	7,257.85	7,280.85	7,280.85	293.87	252.45	-94.58	58.30	-4,371.96	4,609.44	4,320.37	289.08	15.945		
17,400.00	7,258.03	7,281.03	7,281.03	296.69	252.46	-94.68	58.30	-4,371.96	4,709.42	4,420.23	289.19	16.285		
17,500.00	7,258.22	7,281.22	7,281.22	299.51	252.46	-94.78	58.30	-4,371.96	4,809.39	4,520.09	289.30	16.624		
17,600.00	7,258.40	7,281.40	7,281.40	302.34	252.47	-94.88	58.30	-4,371.96	4,909.37	4,619.96	289.41	16.963		
17,700.00	7,258.58	7,281.58	7,281.58	305.16	252.48	-94.98	58.30	-4,371.96	5,009.35	4,719.82	289.53	17.302		
17,800.00	7,258.76	7,281.76	7,281.76	307.99	252.48	-95.08	58.30	-4,371.96	5,109.33	4,819.69	289.64	17.640		
17,900.00	7,258.95	7,281.95	7,281.95	310.82	252.49	-95.17	58.30	-4,371.96	5,209.31	4,919.55	289.76	17.978		
18,000.00	7,259.13	7,282.13	7,282.13	313.64	252.50	-95.27	58.30	-4,371.96	5,309.29	5,019.42	289.87	18.316		
18,100.00	7,259.31	7,282.31	7,282.31	316.47	252.50	-95.37	58.30	-4,371.96	5,409.27	5,119.28	289.98	18.654		
18,200.00	7,259.49	7,282.49	7,282.49	319.30	252.51	-95.47	58.30	-4,371.96	5,509.25	5,219.15	290.10	18.991		
18,300.00	7,259.68	7,282.68	7,282.68	322.12	252.51	-95.57	58.30	-4,371.96	5,609.23	5,319.01	290.22	19.328		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	Offset Wellbore Centre +E/-W	Between Centres	Between Ellipses	Minimum Separation		Separation Factor
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
18,400.00	7,259.86	7,282.86	7,282.86	324.95	252.52	-95.67	58.30	-4,371.96	5,709.21	5,418.88	290.33	19.664	
18,500.00	7,260.04	7,283.04	7,283.04	327.78	252.53	-95.77	58.30	-4,371.96	5,809.20	5,518.75	290.45	20.001	
18,600.00	7,260.22	7,283.22	7,283.22	330.61	252.53	-95.87	58.30	-4,371.96	5,909.18	5,618.61	290.57	20.337	
18,700.00	7,260.41	7,283.41	7,283.41	333.44	252.54	-95.96	58.30	-4,371.96	6,009.16	5,718.48	290.68	20.672	
18,800.00	7,260.59	7,283.59	7,283.59	336.27	252.55	-96.06	58.30	-4,371.96	6,109.15	5,818.35	290.80	21.008	
18,900.00	7,260.77	7,283.77	7,283.77	339.10	252.55	-96.16	58.30	-4,371.96	6,209.13	5,918.21	290.92	21.343	
19,000.00	7,260.95	7,283.95	7,283.95	341.93	252.56	-96.26	58.30	-4,371.96	6,309.12	6,018.08	291.04	21.678	
19,025.91	7,261.00	7,284.00	7,284.00	342.66	252.56	-96.29	58.30	-4,371.96	6,335.03	6,043.96	291.07	21.764	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD #5(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	32.00	32.00	3.28	3.33	-93.00	-469.78	-8,978.27	8,990.55					
100.00	100.00	132.00	132.00	3.28	4.35	-93.00	-469.78	-8,978.27	8,990.55	8,982.91	7.64	1,177.051		
200.00	200.00	232.00	232.00	3.34	7.15	-93.00	-469.78	-8,978.27	8,990.55	8,980.06	10.49	857.276		
300.00	299.98	331.98	331.98	3.44	10.38	176.29	-469.78	-8,978.27	8,992.29	8,978.47	13.82	650.730		
400.00	399.84	431.84	431.84	3.60	13.73	176.29	-469.78	-8,978.27	8,997.51	8,980.18	17.33	519.258		
500.00	499.45	531.45	531.45	3.81	17.12	176.28	-469.78	-8,978.27	9,006.21	8,985.28	20.93	430.313		
600.00	598.70	630.70	630.70	4.05	20.54	176.27	-469.78	-8,978.27	9,018.37	8,993.78	24.59	366.796		
700.00	697.47	729.47	729.47	4.34	23.95	176.26	-469.78	-8,978.27	9,033.98	9,005.70	28.28	319.469		
800.00	795.62	827.62	827.62	4.66	27.34	176.24	-469.78	-8,978.27	9,053.02	9,021.03	31.99	283.012		
849.22	843.68	875.68	875.68	4.84	29.01	176.23	-469.78	-8,978.27	9,063.65	9,029.82	33.82	267.992		
900.00	893.16	925.16	925.16	5.02	30.73	176.23	-469.78	-8,978.27	9,075.03	9,039.32	35.71	254.144		
1,000.00	990.60	1,022.60	1,022.60	5.41	34.11	176.24	-469.78	-8,978.27	9,097.45	9,058.01	39.44	230.673		
1,100.00	1,088.05	1,120.05	1,120.05	5.83	37.50	176.25	-469.78	-8,978.27	9,119.88	9,076.69	43.19	211.156		
1,200.00	1,185.49	1,217.49	1,217.49	6.26	40.89	176.26	-469.78	-8,978.27	9,142.30	9,095.34	46.96	194.688		
1,300.00	1,282.93	1,314.93	1,314.93	6.70	44.28	176.27	-469.78	-8,978.27	9,164.72	9,113.98	50.74	180.618		
1,400.00	1,380.37	1,412.37	1,412.37	7.15	47.67	176.28	-469.78	-8,978.27	9,187.15	9,132.61	54.53	168.464		
1,500.00	1,477.82	1,509.82	1,509.82	7.62	51.07	176.29	-469.78	-8,978.27	9,209.57	9,151.23	58.34	157.866		
1,600.00	1,575.26	1,607.26	1,607.26	8.09	54.46	176.30	-469.78	-8,978.27	9,231.99	9,169.85	62.15	148.547		
1,700.00	1,672.70	1,704.70	1,704.70	8.57	57.86	176.31	-469.78	-8,978.27	9,254.42	9,188.45	65.97	140.290		
1,800.00	1,770.15	1,802.15	1,802.15	9.05	61.26	176.32	-469.78	-8,978.27	9,276.84	9,207.05	69.79	132.925		
1,900.00	1,867.59	1,900.41	1,899.59	9.54	64.68	176.32	-469.78	-8,978.27	9,299.27	9,225.62	73.65	126.269		
2,000.00	1,965.03	2,002.97	1,997.03	10.03	68.26	176.33	-469.78	-8,978.27	9,321.69	9,244.03	77.66	120.036		
2,100.00	2,062.48	2,105.52	2,094.48	10.53	71.83	176.34	-469.78	-8,978.27	9,344.12	9,262.45	81.67	114.411		
2,200.00	2,159.92	2,208.08	2,191.92	11.03	75.41	176.35	-469.78	-8,978.27	9,366.54	9,280.85	85.69	109.308		
2,300.00	2,257.36	2,289.36	2,289.36	11.53	78.25	176.36	-469.78	-8,978.27	9,388.97	9,300.00	88.97	105.532		
2,400.00	2,354.81	2,386.81	2,386.81	12.03	81.64	176.37	-469.78	-8,978.27	9,411.39	9,318.58	92.81	101.403		
2,500.00	2,452.25	2,484.25	2,484.25	12.54	85.04	176.38	-469.78	-8,978.27	9,433.82	9,337.16	96.66	97.600		
2,600.00	2,549.69	2,581.69	2,581.69	13.04	88.44	176.39	-469.78	-8,978.27	9,456.25	9,355.74	100.51	94.086		
2,700.00	2,647.13	2,679.13	2,679.13	13.55	91.84	176.39	-469.78	-8,978.27	9,478.67	9,374.32	104.36	90.829		
2,800.00	2,744.58	2,776.58	2,776.58	14.06	95.24	176.40	-469.78	-8,978.27	9,501.10	9,392.89	108.21	87.804		
2,900.00	2,842.02	2,874.02	2,874.02	14.57	98.64	176.41	-469.78	-8,978.27	9,523.53	9,411.46	112.06	84.985		
3,000.00	2,939.46	2,971.46	2,971.46	15.09	102.04	176.42	-469.78	-8,978.27	9,545.95	9,430.04	115.92	82.353		
3,100.00	3,036.91	3,068.91	3,068.91	15.60	105.44	176.43	-469.78	-8,978.27	9,568.38	9,448.61	119.77	79.889		
3,200.00	3,134.35	3,166.35	3,166.35	16.11	108.84	176.44	-469.78	-8,978.27	9,590.81	9,467.18	123.63	77.578		
3,300.00	3,231.79	3,263.79	3,263.79	16.63	112.24	176.44	-469.78	-8,978.27	9,613.23	9,485.75	127.48	75.407		
3,400.00	3,329.24	3,361.24	3,361.24	17.14	115.64	176.45	-469.78	-8,978.27	9,635.66	9,504.32	131.34	73.363		
3,500.00	3,426.68	3,458.68	3,458.68	17.66	119.04	176.46	-469.78	-8,978.27	9,658.09	9,522.89	135.20	71.435		
3,600.00	3,524.12	3,556.12	3,556.12	18.18	122.44	176.47	-469.78	-8,978.27	9,680.52	9,541.46	139.06	69.614		
3,700.00	3,621.57	3,653.57	3,653.57	18.69	125.84	176.48	-469.78	-8,978.27	9,702.95	9,560.03	142.92	67.890		
3,800.00	3,719.01	3,751.01	3,751.01	19.21	129.24	176.49	-469.78	-8,978.27	9,725.37	9,578.59	146.78	66.257		
3,900.00	3,816.45	3,848.45	3,848.45	19.73	132.64	176.49	-469.78	-8,978.27	9,747.80	9,597.16	150.64	64.708		
4,000.00	3,913.90	3,945.90	3,945.90	20.25	136.05	176.50	-469.78	-8,978.27	9,770.23	9,615.73	154.51	63.236		
4,100.00	4,011.34	4,043.34	4,043.34	20.77	139.45	176.51	-469.78	-8,978.27	9,792.66	9,634.29	158.37	61.835		
4,200.00	4,108.78	4,140.78	4,140.78	21.29	142.85	176.52	-469.78	-8,978.27	9,815.09	9,652.86	162.23	60.501		
4,300.00	4,206.22	4,238.22	4,238.22	21.81	146.25	176.53	-469.78	-8,978.27	9,837.52	9,671.43	166.09	59.229		
4,400.00	4,303.67	4,335.67	4,335.67	22.33	149.65	176.53	-469.78	-8,978.27	9,859.95	9,689.99	169.96	58.014		
4,500.00	4,401.11	4,433.11	4,433.11	22.85	153.05	176.54	-469.78	-8,978.27	9,882.38	9,708.56	173.82	56.854		
4,600.00	4,498.55	4,530.55	4,530.55	23.37	156.45	176.55	-469.78	-8,978.27	9,904.81	9,727.12	177.69	55.744		
4,700.00	4,596.00	4,628.00	4,628.00	23.89	159.85	176.56	-469.78	-8,978.27	9,927.24	9,745.69	181.55	54.680		
4,800.00	4,693.44	4,725.44	4,725.44	24.41	163.25	176.56	-469.78	-8,978.27	9,949.67	9,764.25	185.41	53.662		
4,900.00	4,790.88	4,822.88	4,822.88	24.93	166.65	176.57	-469.78	-8,978.27	9,972.10	9,782.82	189.28	52.684		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD #5(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,920.33	4,920.33	25.46	170.06	176.58	-469.78	-8,978.27	9,994.53	9,801.38	193.15	51.746		
7,300.00	7,097.13	7,129.13	7,129.13	35.92	247.15	-8.79	-469.78	-8,978.27	9,965.97	9,687.19	278.78	35.749		
7,350.00	7,127.23	7,159.23	7,159.23	36.32	248.21	-9.77	-469.78	-8,978.27	9,926.26	9,646.42	279.84	35.471		
7,400.00	7,154.12	7,186.12	7,186.12	36.75	249.14	-11.07	-469.78	-8,978.27	9,884.32	9,603.53	280.78	35.202		
7,450.00	7,177.61	7,209.61	7,209.61	37.22	249.96	-12.84	-469.78	-8,978.27	9,840.41	9,558.81	281.60	34.944		
7,500.00	7,197.57	7,229.57	7,229.57	37.73	250.66	-15.34	-469.78	-8,978.27	9,794.81	9,512.51	282.29	34.697		
7,550.00	7,213.88	7,245.88	7,245.88	38.28	251.23	-19.12	-469.78	-8,978.27	9,747.79	9,464.93	282.86	34.462		
7,600.00	7,226.42	7,258.42	7,258.42	38.87	251.67	-25.30	-469.78	-8,978.27	9,699.64	9,416.35	283.29	34.240		
7,650.00	7,235.13	7,267.13	7,267.13	39.48	251.97	-36.74	-469.78	-8,978.27	9,650.67	9,367.08	283.59	34.031		
7,700.00	7,239.95	7,271.95	7,271.95	40.12	252.14	-60.58	-469.78	-8,978.27	9,601.17	9,317.41	283.76	33.836		
7,735.44	7,241.00	7,273.00	7,273.00	40.59	252.18	-89.07	-469.78	-8,978.27	9,565.93	9,282.13	283.80	33.707		
7,800.00	7,241.11	7,273.11	7,273.11	41.47	252.18	-89.07	-469.78	-8,978.27	9,501.70	9,217.89	283.82	33.478		
7,900.00	7,241.27	7,273.27	7,273.27	42.96	252.19	-89.08	-469.78	-8,978.27	9,402.23	9,118.39	283.85	33.124		
8,000.00	7,241.44	7,273.44	7,273.44	44.59	252.19	-89.09	-469.78	-8,978.27	9,302.77	9,018.89	283.88	32.770		
8,100.00	7,241.61	7,273.61	7,273.61	46.34	252.20	-89.10	-469.78	-8,978.27	9,203.33	8,919.41	283.92	32.415		
8,200.00	7,241.77	7,273.77	7,273.77	48.20	252.20	-89.11	-469.78	-8,978.27	9,103.89	8,819.93	283.96	32.060		
8,300.00	7,241.94	7,273.94	7,273.94	50.16	252.21	-89.12	-469.78	-8,978.27	9,004.47	8,720.45	284.02	31.704		
8,400.00	7,242.11	7,274.11	7,274.11	52.20	252.22	-89.13	-469.78	-8,978.27	8,905.06	8,620.98	284.07	31.348		
8,500.00	7,242.27	7,274.27	7,274.27	54.31	252.22	-89.14	-469.78	-8,978.27	8,805.66	8,521.52	284.13	30.991		
8,600.00	7,242.44	7,274.44	7,274.44	56.49	252.23	-89.15	-469.78	-8,978.27	8,706.28	8,422.07	284.20	30.634		
8,700.00	7,242.60	7,274.60	7,274.60	58.73	252.23	-89.16	-469.78	-8,978.27	8,606.91	8,322.63	284.28	30.276		
8,800.00	7,242.77	7,274.77	7,274.77	61.03	252.24	-89.17	-469.78	-8,978.27	8,507.55	8,223.19	284.36	29.918		
8,900.00	7,242.94	7,274.94	7,274.94	63.37	252.24	-89.18	-469.78	-8,978.27	8,408.21	8,123.76	284.45	29.559		
9,000.00	7,243.10	7,275.10	7,275.10	65.75	252.25	-89.19	-469.78	-8,978.27	8,308.89	8,024.34	284.55	29.200		
9,100.00	7,243.27	7,275.27	7,275.27	68.18	252.26	-89.20	-469.78	-8,978.27	8,209.58	7,924.93	284.66	28.840		
9,200.00	7,243.44	7,275.44	7,275.44	70.63	252.26	-89.21	-469.78	-8,978.27	8,110.29	7,825.52	284.77	28.480		
9,300.00	7,243.60	7,275.60	7,275.60	73.12	252.27	-89.22	-469.78	-8,978.27	8,011.02	7,726.13	284.90	28.119		
9,400.00	7,243.77	7,275.77	7,275.77	75.63	252.27	-89.23	-469.78	-8,978.27	7,911.77	7,626.74	285.03	27.758		
9,500.00	7,243.94	7,275.94	7,275.94	78.17	252.28	-89.24	-469.78	-8,978.27	7,812.53	7,527.36	285.17	27.396		
9,600.00	7,244.10	7,276.10	7,276.10	80.73	252.29	-89.25	-469.78	-8,978.27	7,713.32	7,427.99	285.32	27.033		
9,700.00	7,244.27	7,276.27	7,276.27	83.31	252.29	-89.26	-469.78	-8,978.27	7,614.12	7,328.64	285.49	26.671		
9,800.00	7,244.44	7,276.44	7,276.44	85.91	252.30	-89.27	-469.78	-8,978.27	7,514.95	7,229.29	285.66	26.307		
9,900.00	7,244.60	7,276.60	7,276.60	88.53	252.30	-89.28	-469.78	-8,978.27	7,415.80	7,129.95	285.85	25.943		
10,000.00	7,244.77	7,276.77	7,276.77	91.16	252.31	-89.29	-469.78	-8,978.27	7,316.67	7,030.62	286.05	25.578		
10,100.00	7,244.94	7,276.94	7,276.94	93.81	252.31	-89.30	-469.78	-8,978.27	7,217.57	6,931.31	286.26	25.213		
10,200.00	7,245.10	7,277.10	7,277.10	96.46	252.32	-89.31	-469.78	-8,978.27	7,118.49	6,832.00	286.49	24.847		
10,300.00	7,245.27	7,277.27	7,277.27	99.14	252.33	-89.32	-469.78	-8,978.27	7,019.44	6,732.71	286.73	24.481		
10,400.00	7,245.43	7,277.43	7,277.43	101.82	252.33	-89.33	-469.78	-8,978.27	6,920.41	6,633.43	286.98	24.114		
10,500.00	7,245.60	7,277.60	7,277.60	104.51	252.34	-89.34	-469.78	-8,978.27	6,821.42	6,534.16	287.26	23.747		
10,600.00	7,245.77	7,277.77	7,277.77	107.21	252.34	-89.35	-469.78	-8,978.27	6,722.45	6,434.91	287.54	23.379		
10,700.00	7,245.93	7,277.93	7,277.93	109.92	252.35	-89.36	-469.78	-8,978.27	6,623.51	6,335.66	287.85	23.010		
10,800.00	7,246.10	7,278.10	7,278.10	112.64	252.35	-89.37	-469.78	-8,978.27	6,524.61	6,236.44	288.17	22.641		
10,900.00	7,246.27	7,278.27	7,278.27	115.37	252.36	-89.38	-469.78	-8,978.27	6,425.74	6,137.22	288.52	22.272		
11,000.00	7,246.43	7,278.43	7,278.43	118.10	252.37	-89.39	-469.78	-8,978.27	6,326.91	6,038.02	288.88	21.901		
11,100.00	7,246.60	7,278.60	7,278.60	120.84	252.37	-89.40	-469.78	-8,978.27	6,228.11	5,938.84	289.27	21.531		
11,200.00	7,246.77	7,278.77	7,278.77	123.58	252.38	-89.41	-469.78	-8,978.27	6,129.35	5,839.67	289.68	21.159		
11,300.00	7,246.93	7,278.93	7,278.93	126.34	252.38	-89.42	-469.78	-8,978.27	6,030.63	5,740.53	290.11	20.787		
11,340.34	7,247.00	7,279.00	7,279.00	127.45	252.39	-89.42	-469.78	-8,978.27	5,990.82	5,700.53	290.29	20.637		
11,400.00	7,247.10	7,279.10	7,279.10	129.09	252.39	-89.32	-469.78	-8,978.27	5,931.86	5,641.31	290.55	20.416		
11,500.00	7,247.27	7,279.27	7,279.27	131.84	252.40	-89.09	-469.78	-8,978.27	5,832.67	5,541.74	290.93	20.048		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design		Falken 9-11 PAD - BLACK GOLD #5(PR) - OH - OH											Offset Site Error:		0.00 ft
Survey Program:		100-2° Cone@2.448 Sigma											Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
11,586.15	7,247.43	7,279.43	7,279.43	134.20	252.40	-88.73	-469.78	-8,978.27	5,746.93	5,455.74	291.20	19.736			
11,600.00	7,247.45	7,279.45	7,279.45	134.57	252.40	-88.73	-469.78	-8,978.27	5,733.12	5,441.89	291.23	19.686			
11,700.00	7,247.64	7,279.64	7,279.64	137.31	252.41	-88.75	-469.78	-8,978.27	5,633.47	5,341.96	291.51	19.325			
11,800.00	7,247.82	7,279.82	7,279.82	140.05	252.41	-88.78	-469.78	-8,978.27	5,533.83	5,242.02	291.80	18.964			
11,900.00	7,248.00	7,280.00	7,280.00	142.79	252.42	-88.80	-469.78	-8,978.27	5,434.20	5,142.09	292.11	18.603			
12,000.00	7,248.18	7,280.18	7,280.18	145.53	252.43	-88.82	-469.78	-8,978.27	5,334.58	5,042.16	292.42	18.243			
12,100.00	7,248.37	7,280.37	7,280.37	148.28	252.43	-88.84	-469.78	-8,978.27	5,234.98	4,942.22	292.76	17.882			
12,200.00	7,248.55	7,280.55	7,280.55	151.04	252.44	-88.87	-469.78	-8,978.27	5,135.39	4,842.29	293.10	17.521			
12,300.00	7,248.73	7,280.73	7,280.73	153.80	252.45	-88.89	-469.78	-8,978.27	5,035.82	4,742.36	293.47	17.160			
12,400.00	7,248.91	7,280.91	7,280.91	156.56	252.45	-88.91	-469.78	-8,978.27	4,936.27	4,642.42	293.85	16.799			
12,500.00	7,249.10	7,281.10	7,281.10	159.32	252.46	-88.93	-469.78	-8,978.27	4,836.74	4,542.49	294.25	16.438			
12,600.00	7,249.28	7,281.28	7,281.28	162.09	252.47	-88.95	-469.78	-8,978.27	4,737.22	4,442.55	294.67	16.076			
12,700.00	7,249.46	7,281.46	7,281.46	164.86	252.47	-88.98	-469.78	-8,978.27	4,637.73	4,342.62	295.11	15.715			
12,800.00	7,249.64	7,281.64	7,281.64	167.63	252.48	-89.00	-469.78	-8,978.27	4,538.26	4,242.68	295.57	15.354			
12,900.00	7,249.83	7,281.83	7,281.83	170.40	252.48	-89.02	-469.78	-8,978.27	4,438.81	4,142.75	296.06	14.993			
13,000.00	7,250.01	7,282.01	7,282.01	173.18	252.49	-89.04	-469.78	-8,978.27	4,339.39	4,042.81	296.58	14.631			
13,100.00	7,250.19	7,282.19	7,282.19	175.96	252.50	-89.07	-469.78	-8,978.27	4,239.99	3,942.87	297.12	14.270			
13,200.00	7,250.37	7,282.37	7,282.37	178.74	252.50	-89.09	-469.78	-8,978.27	4,140.63	3,842.93	297.70	13.909			
13,300.00	7,250.56	7,282.56	7,282.56	181.52	252.51	-89.11	-469.78	-8,978.27	4,041.29	3,742.99	298.31	13.547			
13,400.00	7,250.74	7,282.74	7,282.74	184.31	252.52	-89.13	-469.78	-8,978.27	3,941.99	3,643.04	298.95	13.186			
13,500.00	7,250.92	7,282.92	7,282.92	187.09	252.52	-89.15	-469.78	-8,978.27	3,842.73	3,543.09	299.63	12.825			
13,600.00	7,251.10	7,283.10	7,283.10	189.88	252.53	-89.18	-469.78	-8,978.27	3,743.50	3,443.14	300.36	12.463			
13,700.00	7,251.29	7,283.29	7,283.29	192.67	252.54	-89.20	-469.78	-8,978.27	3,644.32	3,343.19	301.13	12.102			
13,800.00	7,251.47	7,283.47	7,283.47	195.47	252.54	-89.22	-469.78	-8,978.27	3,545.18	3,243.23	301.95	11.741			
13,900.00	7,251.65	7,283.65	7,283.65	198.26	252.55	-89.24	-469.78	-8,978.27	3,446.09	3,143.27	302.82	11.380			
14,000.00	7,251.83	7,283.83	7,283.83	201.05	252.55	-89.26	-469.78	-8,978.27	3,347.06	3,043.30	303.76	11.019			
14,100.00	7,252.01	7,284.01	7,284.01	203.85	252.56	-89.29	-469.78	-8,978.27	3,248.09	2,943.33	304.76	10.658			
14,200.00	7,252.20	7,284.20	7,284.20	206.65	252.57	-89.31	-469.78	-8,978.27	3,149.18	2,843.35	305.83	10.297			
14,300.00	7,252.38	7,284.38	7,284.38	209.45	252.57	-89.33	-469.78	-8,978.27	3,050.34	2,743.36	306.98	9.937			
14,400.00	7,252.56	7,284.56	7,284.56	212.25	252.58	-89.35	-469.78	-8,978.27	2,951.58	2,643.36	308.22	9.576			
14,500.00	7,252.74	7,284.74	7,284.74	215.05	252.59	-89.38	-469.78	-8,978.27	2,852.91	2,543.35	309.55	9.216			
14,600.00	7,252.93	7,284.93	7,284.93	217.86	252.59	-89.40	-469.78	-8,978.27	2,754.33	2,443.34	311.00	8.856			
14,700.00	7,253.11	7,285.11	7,285.11	220.66	252.60	-89.42	-469.78	-8,978.27	2,655.86	2,343.30	312.56	8.497			
14,800.00	7,253.29	7,285.29	7,285.29	223.47	252.61	-89.44	-469.78	-8,978.27	2,557.51	2,243.25	314.25	8.138			
14,900.00	7,253.47	7,285.47	7,285.47	226.27	252.62	-89.46	-469.78	-8,978.27	2,459.29	2,143.19	316.10	7.780			
15,000.00	7,253.66	7,285.66	7,285.66	229.08	252.62	-89.49	-469.78	-8,978.27	2,361.22	2,043.10	318.11	7.423			
15,100.00	7,253.84	7,285.84	7,285.84	231.89	252.62	-89.51	-469.78	-8,978.27	2,263.32	1,943.00	320.32	7.066			
15,200.00	7,254.02	7,286.02	7,286.02	234.70	252.63	-89.53	-469.78	-8,978.27	2,165.61	1,842.87	322.74	6.710			
15,300.00	7,254.20	7,286.20	7,286.20	237.51	252.64	-89.55	-469.78	-8,978.27	2,068.12	1,742.71	325.40	6.356			
15,400.00	7,254.39	7,286.39	7,286.39	240.32	252.64	-89.58	-469.78	-8,978.27	1,970.88	1,642.52	328.35	6.002			
15,500.00	7,254.57	7,286.57	7,286.57	243.13	252.65	-89.60	-469.78	-8,978.27	1,873.93	1,542.30	331.63	5.651			
15,600.00	7,254.75	7,286.75	7,286.75	245.94	252.66	-89.62	-469.78	-8,978.27	1,777.32	1,442.05	335.27	5.301			
15,700.00	7,254.93	7,286.93	7,286.93	248.76	252.66	-89.64	-469.78	-8,978.27	1,681.11	1,341.75	339.35	4.954			
15,800.00	7,255.12	7,287.12	7,287.12	251.57	252.67	-89.66	-469.78	-8,978.27	1,585.36	1,241.42	343.94	4.609			
15,900.00	7,255.30	7,287.30	7,287.30	254.39	252.68	-89.69	-469.78	-8,978.27	1,490.17	1,141.04	349.13	4.268			
16,000.00	7,255.48	7,287.48	7,287.48	257.20	252.68	-89.71	-469.78	-8,978.27	1,395.66	1,040.63	355.03	3.931			
16,100.00	7,255.66	7,287.66	7,287.66	260.02	252.69	-89.73	-469.78	-8,978.27	1,301.97	940.20	361.77	3.599			
16,200.00	7,255.85	7,287.85	7,287.85	262.84	252.69	-89.75	-469.78	-8,978.27	1,209.29	839.78	369.51	3.273			
16,300.00	7,256.03	7,288.03	7,288.03	265.65	252.70	-89.78	-469.78	-8,978.27	1,117.87	739.40	378.47	2.954			
16,400.00	7,256.21	7,288.21	7,288.21	268.47	252.71	-89.80	-469.78	-8,978.27	1,028.05	639.16	388.88	2.644			
16,500.00	7,256.39	7,288.39	7,288.39	271.29	252.71	-89.82	-469.78	-8,978.27	940.28	539.23	401.05	2.345			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Falken 9-11 PAD - BLACK GOLD #5(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma														Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance									
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
16,600.00	7,256.58	7,288.58	7,288.58	274.11	252.72	-89.84	-469.78	-8,978.27	855.21	439.90	415.31	2.059				
16,700.00	7,256.76	7,288.76	7,288.76	276.93	252.73	-89.86	-469.78	-8,978.27	773.71	341.72	431.99	1.791				
16,800.00	7,256.94	7,288.94	7,288.94	279.75	252.73	-89.89	-469.78	-8,978.27	697.06	245.72	451.34	1.544				
16,900.00	7,257.12	7,289.12	7,289.12	282.57	252.74	-89.91	-469.78	-8,978.27	627.01	153.75	473.26	1.325	Level 3			
17,000.00	7,257.30	7,289.30	7,289.30	285.40	252.75	-89.93	-469.78	-8,978.27	566.03	69.15	496.88	1.139	Level 2			
17,100.00	7,257.49	7,289.49	7,289.49	288.22	252.75	-89.95	-469.78	-8,978.27	517.34	-2.54	519.88	0.995	Level 1			
17,200.00	7,257.67	7,289.67	7,289.67	291.04	252.76	-89.97	-469.78	-8,978.27	484.66	-53.46	538.12	0.901	Level 1			
17,300.00	7,257.85	7,289.85	7,289.85	293.87	252.77	-90.00	-469.78	-8,978.27	471.32	-75.30	546.62	0.862	Level 1			
17,313.74	7,257.88	7,289.88	7,289.88	294.25	252.77	-90.00	-469.78	-8,978.27	471.12	-75.70	546.82	0.862	Level 1, CC, ES, SF			
17,400.00	7,258.03	7,309.97	7,290.03	296.69	253.47	-90.02	-469.78	-8,978.27	478.95	-64.31	543.26	0.882	Level 1			
17,500.00	7,258.22	7,309.78	7,290.22	299.51	253.46	-90.04	-469.78	-8,978.27	506.60	-21.61	528.21	0.959	Level 1			
17,600.00	7,258.40	7,309.60	7,290.40	302.34	253.45	-90.06	-469.78	-8,978.27	551.27	44.44	506.83	1.088	Level 2			
17,700.00	7,258.58	7,309.42	7,290.58	305.16	253.45	-90.09	-469.78	-8,978.27	609.22	125.53	483.68	1.260	Level 3			
17,800.00	7,258.76	7,309.24	7,290.76	307.99	253.44	-90.11	-469.78	-8,978.27	677.05	215.43	461.62	1.467	Level 3			
17,900.00	7,258.95	7,309.05	7,290.95	310.82	253.44	-90.13	-469.78	-8,978.27	752.10	310.21	441.89	1.702				
18,000.00	7,259.13	7,308.87	7,291.13	313.64	253.43	-90.15	-469.78	-8,978.27	832.41	407.65	424.76	1.960				
18,100.00	7,259.31	7,308.69	7,291.31	316.47	253.42	-90.17	-469.78	-8,978.27	916.60	506.51	410.09	2.235				
18,200.00	7,259.49	7,308.51	7,291.49	319.30	253.42	-90.20	-469.78	-8,978.27	1,003.69	606.13	397.56	2.525				
18,300.00	7,259.68	7,308.32	7,291.68	322.12	253.41	-90.22	-469.78	-8,978.27	1,093.00	706.15	386.85	2.825				
18,400.00	7,259.86	7,308.14	7,291.86	324.95	253.40	-90.24	-469.78	-8,978.27	1,184.02	806.35	377.66	3.135				
18,500.00	7,260.04	7,307.96	7,292.04	327.78	253.40	-90.26	-469.78	-8,978.27	1,276.38	906.64	369.74	3.452				
18,600.00	7,260.22	7,307.78	7,292.22	330.61	253.39	-90.29	-469.78	-8,978.27	1,369.82	1,006.95	362.87	3.775				
18,700.00	7,260.41	7,307.59	7,292.41	333.44	253.38	-90.31	-469.78	-8,978.27	1,464.12	1,107.25	356.88	4.103				
18,800.00	7,260.59	7,307.41	7,292.59	336.27	253.38	-90.33	-469.78	-8,978.27	1,559.14	1,207.51	351.62	4.434				
18,900.00	7,260.77	7,307.23	7,292.77	339.10	253.37	-90.35	-469.78	-8,978.27	1,654.74	1,307.74	347.00	4.769				
19,000.00	7,260.95	7,307.05	7,292.95	341.93	253.37	-90.37	-469.78	-8,978.27	1,750.83	1,407.93	342.90	5.106				
19,025.91	7,261.00	7,307.00	7,293.00	342.66	253.36	-90.38	-469.78	-8,978.27	1,775.80	1,433.89	341.91	5.194				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - BLACK GOLD PETROLEUM #1(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
0.00	0.00	13.00	13.00	3.28	3.29	-97.37	-1,255.68	-9,702.48	9,783.39								
100.00	100.00	113.00	113.00	3.28	3.95	-97.37	-1,255.68	-9,702.48	9,783.39	9,776.16	7.23	1,352.455					
200.00	200.00	213.00	213.00	3.34	6.57	-97.37	-1,255.68	-9,702.48	9,783.39	9,773.49	9.91	987.722					
300.00	299.98	312.98	312.98	3.44	9.75	171.91	-1,255.68	-9,702.48	9,785.12	9,771.93	13.19	741.760					
400.00	399.84	412.84	412.84	3.60	13.08	171.90	-1,255.68	-9,702.48	9,790.30	9,773.62	16.68	586.789					
500.00	499.45	512.45	512.45	3.81	16.47	171.88	-1,255.68	-9,702.48	9,798.93	9,778.65	20.28	483.205					
600.00	598.70	611.70	611.70	4.05	19.88	171.86	-1,255.68	-9,702.48	9,811.00	9,787.06	23.93	409.940					
700.00	697.47	710.47	710.47	4.34	23.29	171.83	-1,255.68	-9,702.48	9,826.48	9,798.86	27.62	355.747					
800.00	795.62	808.62	808.62	4.66	26.69	171.79	-1,255.68	-9,702.48	9,845.38	9,814.05	31.33	314.234					
849.22	843.68	856.68	856.68	4.84	28.35	171.77	-1,255.68	-9,702.48	9,855.92	9,822.76	33.16	297.191					
900.00	893.16	906.16	906.16	5.02	30.07	171.78	-1,255.68	-9,702.48	9,867.22	9,832.17	35.05	281.506					
1,000.00	990.60	1,003.60	1,003.60	5.41	33.45	171.80	-1,255.68	-9,702.48	9,889.47	9,850.68	38.78	254.997					
1,100.00	1,088.05	1,101.05	1,101.05	5.83	36.84	171.81	-1,255.68	-9,702.48	9,911.72	9,869.18	42.54	233.024					
1,200.00	1,185.49	1,201.51	1,198.49	6.26	40.33	171.83	-1,255.68	-9,702.48	9,933.97	9,887.56	46.41	214.048					
1,300.00	1,282.93	1,304.07	1,295.93	6.70	43.90	171.85	-1,255.68	-9,702.48	9,956.22	9,905.85	50.37	197.655					
1,400.00	1,380.37	1,406.63	1,393.37	7.15	47.47	171.87	-1,255.68	-9,702.48	9,978.48	9,924.13	54.34	183.614					
8,100.00	7,241.61	7,254.61	7,254.61	46.34	251.53	-89.48	-1,255.68	-9,702.48	9,997.40	9,713.74	283.66	35.244					
8,200.00	7,241.77	7,254.77	7,254.77	48.20	251.54	-89.48	-1,255.68	-9,702.48	9,899.04	9,615.27	283.77	34.884					
8,300.00	7,241.94	7,254.94	7,254.94	50.16	251.55	-89.49	-1,255.68	-9,702.48	9,800.71	9,516.81	283.89	34.522					
8,400.00	7,242.11	7,255.11	7,255.11	52.20	251.55	-89.49	-1,255.68	-9,702.48	9,702.41	9,418.38	284.03	34.160					
8,500.00	7,242.27	7,255.27	7,255.27	54.31	251.56	-89.50	-1,255.68	-9,702.48	9,604.15	9,319.97	284.18	33.796					
8,600.00	7,242.44	7,255.44	7,255.44	56.49	251.56	-89.50	-1,255.68	-9,702.48	9,505.93	9,221.58	284.35	33.431					
8,700.00	7,242.60	7,255.60	7,255.60	58.73	251.57	-89.51	-1,255.68	-9,702.48	9,407.74	9,123.21	284.53	33.064					
8,800.00	7,242.77	7,255.77	7,255.77	61.03	251.58	-89.51	-1,255.68	-9,702.48	9,309.59	9,024.86	284.73	32.697					
8,900.00	7,242.94	7,255.94	7,255.94	63.37	251.58	-89.52	-1,255.68	-9,702.48	9,211.48	8,926.54	284.94	32.328					
9,000.00	7,243.10	7,256.10	7,256.10	65.75	251.59	-89.52	-1,255.68	-9,702.48	9,113.41	8,828.24	285.17	31.958					
9,100.00	7,243.27	7,256.27	7,256.27	68.18	251.59	-89.53	-1,255.68	-9,702.48	9,015.39	8,729.97	285.42	31.586					
9,200.00	7,243.44	7,256.44	7,256.44	70.63	251.60	-89.54	-1,255.68	-9,702.48	8,917.41	8,631.72	285.69	31.213					
9,300.00	7,243.60	7,256.60	7,256.60	73.12	251.60	-89.54	-1,255.68	-9,702.48	8,819.47	8,533.49	285.98	30.840					
9,400.00	7,243.77	7,256.77	7,256.77	75.63	251.61	-89.55	-1,255.68	-9,702.48	8,721.58	8,435.29	286.29	30.465					
9,500.00	7,243.94	7,256.94	7,256.94	78.17	251.62	-89.55	-1,255.68	-9,702.48	8,623.74	8,337.12	286.62	30.088					
9,600.00	7,244.10	7,257.10	7,257.10	80.73	251.62	-89.56	-1,255.68	-9,702.48	8,525.95	8,238.98	286.97	29.711					
9,700.00	7,244.27	7,257.27	7,257.27	83.31	251.63	-89.56	-1,255.68	-9,702.48	8,428.21	8,140.87	287.34	29.332					
9,800.00	7,244.44	7,257.44	7,257.44	85.91	251.63	-89.57	-1,255.68	-9,702.48	8,330.52	8,042.79	287.73	28.952					
9,900.00	7,244.60	7,257.60	7,257.60	88.53	251.64	-89.57	-1,255.68	-9,702.48	8,232.90	7,944.74	288.15	28.571					
10,000.00	7,244.77	7,257.77	7,257.77	91.16	251.65	-89.58	-1,255.68	-9,702.48	8,135.32	7,846.73	288.60	28.189					
10,100.00	7,244.94	7,257.94	7,257.94	93.81	251.65	-89.58	-1,255.68	-9,702.48	8,037.81	7,748.74	289.07	27.806					
10,200.00	7,245.10	7,258.10	7,258.10	96.46	251.66	-89.59	-1,255.68	-9,702.48	7,940.36	7,650.80	289.56	27.422					
10,300.00	7,245.27	7,258.27	7,258.27	99.14	251.66	-89.59	-1,255.68	-9,702.48	7,842.97	7,552.89	290.09	27.037					
10,400.00	7,245.43	7,258.43	7,258.43	101.82	251.67	-89.60	-1,255.68	-9,702.48	7,745.65	7,455.02	290.64	26.651					
10,500.00	7,245.60	7,258.60	7,258.60	104.51	251.67	-89.60	-1,255.68	-9,702.48	7,648.40	7,357.19	291.22	26.264					
10,600.00	7,245.77	7,258.77	7,258.77	107.21	251.68	-89.61	-1,255.68	-9,702.48	7,551.22	7,259.40	291.83	25.876					
10,700.00	7,245.93	7,258.93	7,258.93	109.92	251.69	-89.61	-1,255.68	-9,702.48	7,454.12	7,161.65	292.47	25.487					
10,800.00	7,246.10	7,259.10	7,259.10	112.64	251.69	-89.62	-1,255.68	-9,702.48	7,357.09	7,063.95	293.14	25.098					
10,900.00	7,246.27	7,259.27	7,259.27	115.37	251.70	-89.63	-1,255.68	-9,702.48	7,260.15	6,966.30	293.85	24.707					
11,000.00	7,246.43	7,259.43	7,259.43	118.10	251.70	-89.63	-1,255.68	-9,702.48	7,163.29	6,868.70	294.59	24.316					
11,100.00	7,246.60	7,259.60	7,259.60	120.84	251.71	-89.64	-1,255.68	-9,702.48	7,066.51	6,771.15	295.36	23.925					
11,200.00	7,246.77	7,259.77	7,259.77	123.58	251.71	-89.64	-1,255.68	-9,702.48	6,969.83	6,673.66	296.17	23.533					
11,300.00	7,246.93	7,259.93	7,259.93	126.34	251.72	-89.65	-1,255.68	-9,702.48	6,873.24	6,576.22	297.02	23.141					
11,340.34	7,247.00	7,260.00	7,260.00	127.45	251.72	-89.65	-1,255.68	-9,702.48	6,834.30	6,536.93	297.37	22.982					
11,400.00	7,247.10	7,260.10	7,260.10	129.09	251.73	-89.61	-1,255.68	-9,702.48	6,776.59	6,478.70	297.89	22.749					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD PETROLEUM #1(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
11,500.00	7,247.27	7,260.27	7,260.27	131.84	251.73	-89.54	-1,255.68	-9,702.48	6,679.25	6,380.56	298.69	22.362			
11,586.15	7,247.43	7,260.43	7,260.43	134.20	251.74	-89.45	-1,255.68	-9,702.48	6,594.85	6,295.54	299.31	22.033			
11,600.00	7,247.45	7,260.45	7,260.45	134.57	251.74	-89.45	-1,255.68	-9,702.48	6,581.24	6,281.84	299.41	21.981			
11,700.00	7,247.64	7,260.64	7,260.64	137.31	251.75	-89.46	-1,255.68	-9,702.48	6,483.03	6,182.93	300.10	21.603			
11,800.00	7,247.82	7,260.82	7,260.82	140.05	251.75	-89.47	-1,255.68	-9,702.48	6,384.88	6,084.05	300.83	21.224			
11,900.00	7,248.00	7,261.00	7,261.00	142.79	251.76	-89.48	-1,255.68	-9,702.48	6,286.79	5,985.20	301.58	20.846			
12,000.00	7,248.18	7,261.18	7,261.18	145.53	251.76	-89.49	-1,255.68	-9,702.48	6,188.76	5,886.38	302.37	20.467			
12,100.00	7,248.37	7,261.37	7,261.37	148.28	251.77	-89.49	-1,255.68	-9,702.48	6,090.79	5,787.60	303.19	20.089			
12,200.00	7,248.55	7,261.55	7,261.55	151.04	251.78	-89.50	-1,255.68	-9,702.48	5,992.89	5,688.85	304.04	19.711			
12,300.00	7,248.73	7,261.73	7,261.73	153.80	251.78	-89.51	-1,255.68	-9,702.48	5,895.05	5,590.13	304.93	19.333			
12,400.00	7,248.91	7,261.91	7,261.91	156.56	251.79	-89.52	-1,255.68	-9,702.48	5,797.30	5,491.45	305.85	18.955			
12,500.00	7,249.10	7,262.10	7,262.10	159.32	251.80	-89.53	-1,255.68	-9,702.48	5,699.62	5,392.81	306.81	18.577			
12,600.00	7,249.28	7,262.28	7,262.28	162.09	251.80	-89.54	-1,255.68	-9,702.48	5,602.02	5,294.21	307.81	18.199			
12,700.00	7,249.46	7,262.46	7,262.46	164.86	251.81	-89.54	-1,255.68	-9,702.48	5,504.51	5,195.65	308.86	17.822			
12,800.00	7,249.64	7,262.64	7,262.64	167.63	251.82	-89.55	-1,255.68	-9,702.48	5,407.09	5,097.14	309.95	17.445			
12,900.00	7,249.83	7,262.83	7,262.83	170.40	251.82	-89.56	-1,255.68	-9,702.48	5,309.76	4,998.68	311.08	17.069			
13,000.00	7,250.01	7,263.01	7,263.01	173.18	251.83	-89.57	-1,255.68	-9,702.48	5,212.54	4,900.27	312.27	16.693			
13,100.00	7,250.19	7,263.19	7,263.19	175.96	251.83	-89.58	-1,255.68	-9,702.48	5,115.42	4,801.92	313.50	16.317			
13,200.00	7,250.37	7,263.37	7,263.37	178.74	251.84	-89.59	-1,255.68	-9,702.48	5,018.42	4,703.62	314.80	15.942			
13,300.00	7,250.56	7,263.56	7,263.56	181.52	251.85	-89.60	-1,255.68	-9,702.48	4,921.54	4,605.39	316.15	15.567			
13,400.00	7,250.74	7,263.74	7,263.74	184.31	251.85	-89.60	-1,255.68	-9,702.48	4,824.78	4,507.22	317.56	15.193			
13,500.00	7,250.92	7,263.92	7,263.92	187.09	251.86	-89.61	-1,255.68	-9,702.48	4,728.16	4,409.13	319.04	14.820			
13,600.00	7,251.10	7,264.10	7,264.10	189.88	251.87	-89.62	-1,255.68	-9,702.48	4,631.69	4,311.10	320.58	14.448			
13,700.00	7,251.29	7,264.29	7,264.29	192.67	251.87	-89.63	-1,255.68	-9,702.48	4,535.36	4,213.16	322.20	14.076			
13,800.00	7,251.47	7,264.47	7,264.47	195.47	251.88	-89.64	-1,255.68	-9,702.48	4,439.20	4,115.30	323.89	13.706			
13,900.00	7,251.65	7,264.65	7,264.65	198.26	251.89	-89.65	-1,255.68	-9,702.48	4,343.21	4,017.54	325.67	13.336			
14,000.00	7,251.83	7,264.83	7,264.83	201.05	251.89	-89.65	-1,255.68	-9,702.48	4,247.41	3,919.87	327.53	12.968			
14,100.00	7,252.01	7,265.01	7,265.01	203.85	251.90	-89.66	-1,255.68	-9,702.48	4,151.80	3,822.31	329.49	12.601			
14,200.00	7,252.20	7,265.20	7,265.20	206.65	251.90	-89.67	-1,255.68	-9,702.48	4,056.41	3,724.87	331.54	12.235			
14,300.00	7,252.38	7,265.38	7,265.38	209.45	251.91	-89.68	-1,255.68	-9,702.48	3,961.24	3,627.54	333.70	11.871			
14,400.00	7,252.56	7,265.56	7,265.56	212.25	251.92	-89.69	-1,255.68	-9,702.48	3,866.32	3,530.35	335.97	11.508			
14,500.00	7,252.74	7,265.74	7,265.74	215.05	251.92	-89.70	-1,255.68	-9,702.48	3,771.66	3,433.30	338.36	11.147			
14,600.00	7,252.93	7,265.93	7,265.93	217.86	251.93	-89.71	-1,255.68	-9,702.48	3,677.28	3,336.41	340.87	10.788			
14,700.00	7,253.11	7,266.11	7,266.11	220.66	251.94	-89.71	-1,255.68	-9,702.48	3,583.21	3,239.69	343.52	10.431			
14,800.00	7,253.29	7,266.29	7,266.29	223.47	251.94	-89.72	-1,255.68	-9,702.48	3,489.47	3,143.15	346.32	10.076			
14,900.00	7,253.47	7,266.47	7,266.47	226.27	251.95	-89.73	-1,255.68	-9,702.48	3,396.08	3,046.81	349.27	9.723			
15,000.00	7,253.66	7,266.66	7,266.66	229.08	251.96	-89.74	-1,255.68	-9,702.48	3,303.08	2,950.69	352.39	9.373			
15,100.00	7,253.84	7,266.84	7,266.84	231.89	251.96	-89.75	-1,255.68	-9,702.48	3,210.50	2,854.82	355.69	9.026			
15,200.00	7,254.02	7,267.02	7,267.02	234.70	251.97	-89.76	-1,255.68	-9,702.48	3,118.38	2,759.21	359.18	8.682			
15,300.00	7,254.20	7,267.20	7,267.20	237.51	251.97	-89.77	-1,255.68	-9,702.48	3,026.77	2,663.89	362.87	8.341			
15,400.00	7,254.39	7,267.39	7,267.39	240.32	251.98	-89.77	-1,255.68	-9,702.48	2,935.69	2,568.90	366.79	8.004			
15,500.00	7,254.57	7,267.57	7,267.57	243.13	251.99	-89.78	-1,255.68	-9,702.48	2,845.22	2,474.27	370.95	7.670			
15,600.00	7,254.75	7,267.75	7,267.75	245.94	251.99	-89.79	-1,255.68	-9,702.48	2,755.41	2,380.04	375.37	7.341			
15,700.00	7,254.93	7,267.93	7,267.93	248.76	252.00	-89.80	-1,255.68	-9,702.48	2,666.32	2,286.25	380.06	7.015			
15,800.00	7,255.12	7,268.12	7,268.12	251.57	252.01	-89.81	-1,255.68	-9,702.48	2,578.03	2,192.97	385.06	6.695			
15,900.00	7,255.30	7,268.30	7,268.30	254.39	252.01	-89.82	-1,255.68	-9,702.48	2,490.63	2,100.26	390.37	6.380			
16,000.00	7,255.48	7,268.48	7,268.48	257.20	252.02	-89.82	-1,255.68	-9,702.48	2,404.21	2,008.18	396.02	6.071			
16,100.00	7,255.66	7,268.66	7,268.66	260.02	252.03	-89.83	-1,255.68	-9,702.48	2,318.88	1,916.83	402.05	5.768			
16,200.00	7,255.85	7,268.85	7,268.85	262.84	252.03	-89.84	-1,255.68	-9,702.48	2,234.77	1,826.31	408.46	5.471			
16,300.00	7,256.03	7,269.03	7,269.03	265.65	252.04	-89.85	-1,255.68	-9,702.48	2,152.02	1,736.73	415.29	5.182			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD PETROLEUM #1(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
16,400.00	7,256.21	7,269.21	7,269.21	268.47	252.04	-89.86	-1,255.68	-9,702.48	2,070.79	1,648.23	422.56	4.901			
16,500.00	7,256.39	7,269.39	7,269.39	271.29	252.05	-89.87	-1,255.68	-9,702.48	1,991.27	1,560.98	430.29	4.628			
16,600.00	7,256.58	7,269.58	7,269.58	274.11	252.06	-89.88	-1,255.68	-9,702.48	1,913.67	1,475.18	438.49	4.364			
16,700.00	7,256.76	7,269.76	7,269.76	276.93	252.06	-89.88	-1,255.68	-9,702.48	1,838.24	1,391.07	447.17	4.111			
16,800.00	7,256.94	7,269.94	7,269.94	279.75	252.07	-89.89	-1,255.68	-9,702.48	1,765.25	1,308.91	456.34	3.868			
16,900.00	7,257.12	7,270.12	7,270.12	282.57	252.08	-89.90	-1,255.68	-9,702.48	1,695.02	1,229.05	465.97	3.638			
17,000.00	7,257.30	7,270.30	7,270.30	285.40	252.08	-89.91	-1,255.68	-9,702.48	1,627.91	1,151.88	476.02	3.420			
17,100.00	7,257.49	7,270.49	7,270.49	288.22	252.09	-89.92	-1,255.68	-9,702.48	1,564.31	1,077.87	486.44	3.216			
17,200.00	7,257.67	7,270.67	7,270.67	291.04	252.10	-89.93	-1,255.68	-9,702.48	1,504.68	1,007.56	497.11	3.027			
17,300.00	7,257.85	7,270.85	7,270.85	293.87	252.10	-89.94	-1,255.68	-9,702.48	1,449.50	941.59	507.91	2.854			
17,400.00	7,258.03	7,271.03	7,271.03	296.69	252.11	-89.94	-1,255.68	-9,702.48	1,399.29	880.67	518.63	2.698			
17,500.00	7,258.22	7,271.22	7,271.22	299.51	252.11	-89.95	-1,255.68	-9,702.48	1,354.63	825.59	529.04	2.561			
17,600.00	7,258.40	7,271.40	7,271.40	302.34	252.12	-89.96	-1,255.68	-9,702.48	1,316.05	777.20	538.85	2.442			
17,700.00	7,258.58	7,271.58	7,271.58	305.16	252.13	-89.97	-1,255.68	-9,702.48	1,284.13	736.38	547.75	2.344			
17,800.00	7,258.76	7,271.76	7,271.76	307.99	252.13	-89.98	-1,255.68	-9,702.48	1,259.35	703.96	555.39	2.267			
17,900.00	7,258.95	7,271.95	7,271.95	310.82	252.14	-89.99	-1,255.68	-9,702.48	1,242.16	680.68	561.48	2.212			
18,000.00	7,259.13	7,272.13	7,272.13	313.64	252.15	-89.99	-1,255.68	-9,702.48	1,232.86	667.12	565.74	2.179			
18,065.07	7,259.25	7,272.25	7,272.25	315.48	252.15	-90.00	-1,255.68	-9,702.48	1,231.14	663.69	567.45	2.170 CC			
18,100.00	7,259.31	7,272.31	7,272.31	316.47	252.15	-90.00	-1,255.68	-9,702.48	1,231.63	663.63	568.01	2.168 ES, SF			
18,200.00	7,259.49	7,272.49	7,272.49	319.30	252.16	-90.01	-1,255.68	-9,702.48	1,238.51	670.28	568.23	2.180			
18,300.00	7,259.68	7,272.68	7,272.68	322.12	252.17	-90.02	-1,255.68	-9,702.48	1,253.35	686.88	566.47	2.213			
18,400.00	7,259.86	7,272.86	7,272.86	324.95	252.17	-90.03	-1,255.68	-9,702.48	1,275.88	712.99	562.90	2.267			
18,500.00	7,260.04	7,273.04	7,273.04	327.78	252.18	-90.04	-1,255.68	-9,702.48	1,305.70	747.94	557.76	2.341			
18,600.00	7,260.22	7,273.22	7,273.22	330.61	252.18	-90.05	-1,255.68	-9,702.48	1,342.33	790.98	551.35	2.435			
18,700.00	7,260.41	7,273.41	7,273.41	333.44	252.19	-90.05	-1,255.68	-9,702.48	1,385.22	841.23	543.99	2.546			
18,800.00	7,260.59	7,273.59	7,273.59	336.27	252.20	-90.06	-1,255.68	-9,702.48	1,433.81	897.85	535.96	2.675			
18,900.00	7,260.77	7,273.77	7,273.77	339.10	252.20	-90.07	-1,255.68	-9,702.48	1,487.55	960.03	527.52	2.820			
19,000.00	7,260.95	7,273.95	7,273.95	341.93	252.21	-90.08	-1,255.68	-9,702.48	1,545.89	1,026.99	518.90	2.979			
19,025.91	7,261.00	7,274.00	7,274.00	342.66	252.21	-90.08	-1,255.68	-9,702.48	1,561.70	1,045.04	516.66	3.023			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	23.93	23.93	3.28	3.28	-89.65	59.84	-9,701.96	9,702.15					
100.00	100.00	115.84	115.84	3.28	3.29	-89.65	60.02	-9,702.02	9,702.21	9,695.63	6.58	1,475.218		
200.00	200.00	207.23	207.23	3.34	3.35	-89.64	60.40	-9,702.15	9,702.36	9,695.67	6.69	1,451.266		
300.00	299.98	298.98	298.98	3.44	3.45	179.65	60.80	-9,702.36	9,704.34	9,697.45	6.89	1,408.103		
400.00	399.84	418.28	418.28	3.60	3.64	179.65	61.03	-9,702.57	9,709.74	9,702.50	7.24	1,341.285		
500.00	499.45	521.40	521.40	3.81	3.85	179.65	60.94	-9,702.61	9,718.50	9,710.84	7.66	1,269.516		
600.00	598.70	616.12	616.12	4.05	4.08	179.65	60.82	-9,702.69	9,730.77	9,722.64	8.13	1,197.216		
700.00	697.47	737.22	737.22	4.34	4.40	179.65	60.90	-9,702.67	9,746.39	9,737.66	8.74	1,115.748		
800.00	795.62	849.59	849.59	4.66	4.74	179.64	60.88	-9,702.40	9,765.23	9,755.85	9.38	1,041.125		
849.22	843.68	898.37	898.37	4.84	4.89	179.64	60.77	-9,702.26	9,775.74	9,766.04	9.70	1,008.045		
900.00	893.16	930.38	930.37	5.02	4.99	179.64	60.66	-9,702.19	9,787.04	9,777.07	9.97	981.598		
1,000.00	990.60	1,000.00	1,000.00	5.41	5.22	179.64	60.45	-9,702.25	9,809.58	9,799.04	10.54	930.389		
1,100.00	1,088.05	1,100.00	1,100.84	5.83	5.56	179.64	60.05	-9,702.39	9,832.18	9,820.93	11.25	874.308		
1,200.00	1,185.49	1,167.94	1,167.93	6.26	5.80	179.64	59.68	-9,702.53	9,854.88	9,843.02	11.86	831.011		
1,300.00	1,282.93	1,269.74	1,269.73	6.70	6.16	179.64	59.04	-9,703.08	9,877.87	9,865.26	12.61	783.193		
1,400.00	1,380.37	1,359.67	1,359.66	7.15	6.49	179.63	58.48	-9,703.42	9,900.70	9,887.36	13.34	742.191		
1,500.00	1,477.82	1,436.12	1,436.10	7.62	6.77	179.63	58.14	-9,703.87	9,923.74	9,909.71	14.03	707.341		
1,600.00	1,575.26	1,518.49	1,518.47	8.09	7.08	179.63	57.69	-9,704.50	9,946.95	9,932.20	14.75	674.244		
1,700.00	1,672.70	1,614.25	1,614.23	8.57	7.45	179.63	57.25	-9,705.32	9,970.25	9,954.71	15.54	641.659		
1,800.00	1,770.15	1,718.53	1,718.50	9.05	7.85	179.63	56.92	-9,706.16	9,993.50	9,977.14	16.37	610.575		
8,100.00	7,241.61	7,225.19	7,224.82	46.34	30.89	-82.58	84.53	-9,741.28	9,952.66	9,890.27	62.39	159.524		
8,200.00	7,241.77	7,225.81	7,225.44	48.20	30.89	-82.66	84.54	-9,741.28	9,852.77	9,790.36	62.40	157.893		
8,300.00	7,241.94	7,226.43	7,226.06	50.16	30.89	-82.74	84.54	-9,741.28	9,752.88	9,690.46	62.42	156.257		
8,400.00	7,242.11	7,227.05	7,226.68	52.20	30.89	-82.81	84.54	-9,741.29	9,652.99	9,590.56	62.43	154.618		
8,500.00	7,242.27	7,227.67	7,227.30	54.31	30.90	-82.89	84.55	-9,741.29	9,553.10	9,490.65	62.45	152.974		
8,600.00	7,242.44	7,228.29	7,227.93	56.49	30.90	-82.97	84.55	-9,741.29	9,453.22	9,390.75	62.47	151.326		
8,700.00	7,242.60	7,228.91	7,228.55	58.73	30.90	-83.04	84.55	-9,741.30	9,353.34	9,290.85	62.49	149.674		
8,800.00	7,242.77	7,229.54	7,229.17	61.03	30.90	-83.12	84.56	-9,741.30	9,253.46	9,190.95	62.52	148.017		
8,900.00	7,242.94	7,230.16	7,229.79	63.37	30.91	-83.20	84.56	-9,741.30	9,153.59	9,091.04	62.54	146.357		
9,000.00	7,243.10	7,230.78	7,230.41	65.75	30.91	-83.28	84.56	-9,741.30	9,053.71	8,991.14	62.57	144.693		
9,100.00	7,243.27	7,231.40	7,231.03	68.18	30.91	-83.35	84.57	-9,741.31	8,953.84	8,891.24	62.60	143.024		
9,200.00	7,243.44	7,232.02	7,231.65	70.63	30.91	-83.43	84.57	-9,741.31	8,853.98	8,791.34	62.64	141.352		
9,300.00	7,243.60	7,232.64	7,232.27	73.12	30.92	-83.51	84.57	-9,741.31	8,754.11	8,691.44	62.67	139.675		
9,400.00	7,243.77	7,233.26	7,232.89	75.63	30.92	-83.58	84.58	-9,741.31	8,654.25	8,591.54	62.71	137.995		
9,500.00	7,243.94	7,233.88	7,233.51	78.17	30.92	-83.66	84.58	-9,741.32	8,554.39	8,491.64	62.76	136.311		
9,600.00	7,244.10	7,234.50	7,234.14	80.73	30.93	-83.74	84.58	-9,741.32	8,454.54	8,391.74	62.80	134.623		
9,700.00	7,244.27	7,235.13	7,234.76	83.31	30.93	-83.81	84.59	-9,741.32	8,354.69	8,291.84	62.85	132.931		
9,800.00	7,244.44	7,235.75	7,235.38	85.91	30.93	-83.89	84.59	-9,741.32	8,254.84	8,191.94	62.90	131.236		
9,900.00	7,244.60	7,236.37	7,236.00	88.53	30.93	-83.97	84.59	-9,741.33	8,155.00	8,092.04	62.96	129.537		
10,000.00	7,244.77	7,236.99	7,236.62	91.16	30.94	-84.05	84.60	-9,741.33	8,055.16	7,992.14	63.01	127.834		
10,100.00	7,244.94	7,237.61	7,237.24	93.81	30.94	-84.12	84.60	-9,741.33	7,955.32	7,892.25	63.07	126.128		
10,200.00	7,245.10	7,238.23	7,237.86	96.46	30.94	-84.20	84.60	-9,741.33	7,855.49	7,792.35	63.14	124.418		
10,300.00	7,245.27	7,238.85	7,238.48	99.14	30.94	-84.28	84.61	-9,741.34	7,755.66	7,692.45	63.21	122.704		
10,400.00	7,245.43	7,239.47	7,239.10	101.82	30.95	-84.35	84.61	-9,741.34	7,655.84	7,592.56	63.28	120.987		
10,500.00	7,245.60	7,240.09	7,239.73	104.51	30.95	-84.43	84.62	-9,741.34	7,556.02	7,492.66	63.35	119.267		
10,600.00	7,245.77	7,240.72	7,240.35	107.21	30.95	-84.51	84.62	-9,741.35	7,456.20	7,392.77	63.43	117.543		
10,700.00	7,245.93	7,241.34	7,240.97	109.92	30.95	-84.59	84.62	-9,741.35	7,356.40	7,292.88	63.52	115.815		
10,800.00	7,246.10	7,241.96	7,241.59	112.64	30.96	-84.66	84.63	-9,741.35	7,256.59	7,192.99	63.61	114.085		
10,900.00	7,246.27	7,242.58	7,242.21	115.37	30.96	-84.74	84.63	-9,741.35	7,156.79	7,093.09	63.70	112.350		
11,000.00	7,246.43	7,243.20	7,242.83	118.10	30.96	-84.82	84.63	-9,741.36	7,057.00	6,993.20	63.80	110.613		
11,100.00	7,246.60	7,243.82	7,243.45	120.84	30.97	-84.90	84.64	-9,741.36	6,957.22	6,893.31	63.90	108.872		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD PETROLEUM #2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,200.00	7,246.77	7,244.44	7,244.07	123.58	30.97	-84.97	84.64	-9,741.36	6,857.44	6,793.42	64.01	107.127		
11,300.00	7,246.93	7,245.06	7,244.69	126.34	30.97	-85.05	84.64	-9,741.36	6,757.66	6,693.53	64.13	105.380		
11,340.34	7,247.00	7,245.31	7,244.94	127.45	30.97	-85.08	84.64	-9,741.37	6,717.41	6,653.24	64.17	104.674		
11,400.00	7,247.10	7,245.68	7,245.31	129.09	30.97	-82.96	84.65	-9,741.37	6,657.86	6,593.62	64.24	103.640		
11,500.00	7,247.27	7,246.29	7,245.92	131.84	30.98	-65.67	84.65	-9,741.37	6,557.91	6,493.59	64.32	101.959		
11,586.15	7,247.43	7,246.80	7,246.43	134.20	30.98	70.53	84.65	-9,741.37	6,471.77	6,407.41	64.35	100.566		
11,600.00	7,247.45	7,246.88	7,246.52	134.57	30.98	70.57	84.65	-9,741.37	6,457.92	6,393.56	64.36	100.346		
11,700.00	7,247.64	7,247.47	7,247.11	137.31	30.98	70.84	84.66	-9,741.37	6,357.93	6,293.55	64.38	98.758		
11,800.00	7,247.82	7,248.06	7,247.70	140.05	30.98	71.12	84.66	-9,741.38	6,257.95	6,193.55	64.40	97.171		
11,900.00	7,248.00	7,248.65	7,248.29	142.79	30.99	71.39	84.66	-9,741.38	6,157.97	6,093.54	64.42	95.584		
12,000.00	7,248.18	7,249.24	7,248.88	145.53	30.99	71.67	84.67	-9,741.38	6,057.98	5,993.54	64.45	93.997		
12,100.00	7,248.37	7,249.83	7,249.47	148.28	30.99	71.95	84.67	-9,741.38	5,958.00	5,893.53	64.47	92.410		
12,200.00	7,248.55	7,250.42	7,250.06	151.04	30.99	72.23	84.67	-9,741.39	5,858.02	5,793.52	64.50	90.824		
12,300.00	7,248.73	7,251.01	7,250.65	153.80	31.00	72.51	84.68	-9,741.39	5,758.04	5,693.52	64.52	89.238		
12,400.00	7,248.91	7,251.60	7,251.24	156.56	31.00	72.79	84.68	-9,741.39	5,658.06	5,593.51	64.55	87.653		
12,500.00	7,249.10	7,252.19	7,251.83	159.32	31.00	73.07	84.68	-9,741.39	5,558.08	5,493.51	64.58	86.069		
12,600.00	7,249.28	7,252.78	7,252.42	162.09	31.00	73.36	84.69	-9,741.40	5,458.10	5,393.50	64.60	84.485		
12,700.00	7,249.46	7,253.37	7,253.01	164.86	31.01	73.64	84.69	-9,741.40	5,358.13	5,293.49	64.63	82.901		
12,800.00	7,249.64	7,253.96	7,253.60	167.63	31.01	73.92	84.69	-9,741.40	5,258.15	5,193.49	64.66	81.319		
12,900.00	7,249.83	7,254.55	7,254.19	170.40	31.01	74.21	84.70	-9,741.40	5,158.17	5,093.48	64.69	79.737		
13,000.00	7,250.01	7,255.14	7,254.78	173.18	31.01	74.49	84.70	-9,741.41	5,058.20	4,993.48	64.72	78.156		
13,100.00	7,250.19	7,255.73	7,255.37	175.96	31.02	74.78	84.70	-9,741.41	4,958.23	4,893.48	64.75	76.576		
13,200.00	7,250.37	7,256.32	7,255.96	178.74	31.02	75.07	84.70	-9,741.41	4,858.25	4,793.47	64.78	74.997		
13,300.00	7,250.56	7,256.91	7,256.55	181.52	31.02	75.36	84.71	-9,741.41	4,758.28	4,693.47	64.81	73.419		
13,400.00	7,250.74	7,257.50	7,257.14	184.31	31.02	75.65	84.71	-9,741.42	4,658.31	4,593.47	64.84	71.841		
13,500.00	7,250.92	7,258.09	7,257.73	187.09	31.03	75.94	84.71	-9,741.42	4,558.34	4,493.47	64.87	70.265		
13,600.00	7,251.10	7,258.68	7,258.32	189.88	31.03	76.23	84.72	-9,741.42	4,458.37	4,393.46	64.91	68.690		
13,700.00	7,251.29	7,259.27	7,258.90	192.67	31.03	76.52	84.72	-9,741.42	4,358.40	4,293.46	64.94	67.115		
13,800.00	7,251.47	7,259.86	7,259.49	195.47	31.03	76.81	84.72	-9,741.43	4,258.44	4,193.47	64.97	65.542		
13,900.00	7,251.65	7,260.45	7,260.08	198.26	31.04	77.10	84.73	-9,741.43	4,158.47	4,093.47	65.01	63.970		
14,000.00	7,251.83	7,261.04	7,260.67	201.05	31.04	77.39	84.73	-9,741.43	4,058.51	3,993.47	65.04	62.399		
14,100.00	7,252.01	7,261.63	7,261.26	203.85	31.04	77.69	84.73	-9,741.43	3,958.55	3,893.47	65.08	60.829		
14,200.00	7,252.20	7,262.22	7,261.85	206.65	31.04	77.98	84.74	-9,741.44	3,858.59	3,793.48	65.11	59.260		
14,300.00	7,252.38	7,262.81	7,262.44	209.45	31.05	78.28	84.74	-9,741.44	3,758.64	3,693.49	65.15	57.692		
14,400.00	7,252.56	7,263.40	7,263.03	212.25	31.05	78.57	84.74	-9,741.44	3,658.68	3,593.49	65.19	56.125		
14,500.00	7,252.74	7,263.99	7,263.62	215.05	31.05	78.87	84.75	-9,741.45	3,558.73	3,493.50	65.23	54.559		
14,600.00	7,252.93	7,264.58	7,264.21	217.86	31.05	79.17	84.75	-9,741.45	3,458.78	3,393.51	65.27	52.994		
14,700.00	7,253.11	7,265.17	7,264.80	220.66	31.06	79.46	84.75	-9,741.45	3,358.83	3,293.52	65.31	51.430		
14,800.00	7,253.29	7,265.76	7,265.39	223.47	31.06	79.76	84.76	-9,741.45	3,258.89	3,193.54	65.35	49.866		
14,900.00	7,253.47	7,266.35	7,265.98	226.27	31.06	80.06	84.76	-9,741.46	3,158.95	3,093.55	65.40	48.303		
15,000.00	7,253.66	7,266.94	7,266.57	229.08	31.06	80.36	84.76	-9,741.46	3,059.02	2,993.57	65.45	46.740		
15,100.00	7,253.84	7,267.53	7,267.16	231.89	31.07	80.66	84.77	-9,741.46	2,959.08	2,893.58	65.50	45.177		
15,200.00	7,254.02	7,268.12	7,267.75	234.70	31.07	80.96	84.77	-9,741.46	2,859.16	2,793.60	65.55	43.615		
15,300.00	7,254.20	7,268.71	7,268.34	237.51	31.07	81.26	84.77	-9,741.47	2,759.24	2,693.62	65.61	42.052		
15,400.00	7,254.39	7,269.30	7,268.93	240.32	31.07	81.56	84.78	-9,741.47	2,659.32	2,593.64	65.68	40.489		
15,500.00	7,254.57	7,269.89	7,269.52	243.13	31.08	81.86	84.78	-9,741.47	2,559.41	2,493.66	65.75	38.925		
15,600.00	7,254.75	7,270.48	7,270.11	245.94	31.08	82.17	84.78	-9,741.47	2,459.51	2,393.68	65.83	37.360		
15,700.00	7,254.93	7,271.07	7,270.70	248.76	31.08	82.47	84.79	-9,741.48	2,359.61	2,293.69	65.92	35.793		
15,800.00	7,255.12	7,271.66	7,271.29	251.57	31.08	82.77	84.79	-9,741.48	2,259.73	2,193.70	66.03	34.224		
15,900.00	7,255.30	7,272.25	7,271.88	254.39	31.09	83.07	84.79	-9,741.48	2,159.86	2,093.71	66.15	32.652		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
16,000.00	7,255.48	7,272.84	7,272.47	257.20	31.09	83.38	84.80	-9,741.48	2,059.99	1,993.71	66.29	31.077		
16,100.00	7,255.66	7,273.43	7,273.06	260.02	31.09	83.68	84.80	-9,741.49	1,960.14	1,893.69	66.45	29.497		
16,200.00	7,255.85	7,274.02	7,273.65	262.84	31.09	83.99	84.80	-9,741.49	1,860.31	1,793.66	66.65	27.911		
16,300.00	7,256.03	7,274.61	7,274.24	265.65	31.10	84.29	84.81	-9,741.49	1,760.50	1,693.61	66.89	26.319		
16,400.00	7,256.21	7,275.20	7,274.83	268.47	31.10	84.59	84.81	-9,741.49	1,660.71	1,593.52	67.18	24.719		
16,500.00	7,256.39	7,275.79	7,275.42	271.29	31.10	84.90	84.81	-9,741.50	1,560.94	1,493.39	67.55	23.109		
16,600.00	7,256.58	7,276.38	7,276.01	274.11	31.10	85.20	84.82	-9,741.50	1,461.21	1,393.21	68.00	21.487		
16,700.00	7,256.76	7,276.97	7,276.60	276.93	31.11	85.51	84.82	-9,741.50	1,361.52	1,292.93	68.58	19.852		
16,800.00	7,256.94	7,277.56	7,277.19	279.75	31.11	85.82	84.82	-9,741.50	1,261.87	1,192.54	69.33	18.202		
16,900.00	7,257.12	7,278.15	7,277.78	282.57	31.11	86.12	84.83	-9,741.51	1,162.28	1,091.99	70.30	16.534		
17,000.00	7,257.30	7,278.74	7,278.37	285.40	31.11	86.43	84.83	-9,741.51	1,062.78	991.20	71.58	14.847		
17,100.00	7,257.49	7,279.33	7,278.96	288.22	31.12	86.74	84.83	-9,741.51	963.37	890.07	73.30	13.142		
17,200.00	7,257.67	7,279.92	7,279.55	291.04	31.12	87.04	84.84	-9,741.51	864.10	788.44	75.66	11.420		
17,300.00	7,257.85	7,280.51	7,280.14	293.87	31.12	87.35	84.84	-9,741.52	765.02	686.07	78.95	9.690		
17,400.00	7,258.03	7,281.10	7,280.73	296.69	31.12	87.66	84.84	-9,741.52	666.22	582.57	83.65	7.965		
17,500.00	7,258.22	7,281.69	7,281.32	299.51	31.13	87.96	84.84	-9,741.52	567.83	477.28	90.55	6.271		
17,600.00	7,258.40	7,282.28	7,281.91	302.34	31.13	88.27	84.85	-9,741.52	470.12	369.04	101.08	4.651		
17,700.00	7,258.58	7,282.87	7,282.50	305.16	31.13	88.58	84.85	-9,741.53	373.63	255.62	118.01	3.166		
17,800.00	7,258.76	7,283.46	7,283.09	307.99	31.13	88.88	84.85	-9,741.53	279.61	132.28	147.33	1.898		
17,900.00	7,258.95	7,284.05	7,283.68	310.82	31.14	89.19	84.86	-9,741.53	191.75	-11.39	203.14	0.944 Level 1		
18,000.00	7,259.13	7,284.64	7,284.27	313.64	31.14	89.50	84.86	-9,741.53	123.89	-181.00	304.89	0.406 Level 1		
18,057.09	7,259.23	7,284.98	7,284.61	315.26	31.14	89.68	84.86	-9,741.53	109.95	-236.21	346.17	0.318 Level 1, CC, ES, SF		
18,100.00	7,259.31	7,285.23	7,284.86	316.47	31.14	89.81	84.86	-9,741.54	118.03	-211.92	329.95	0.358 Level 1		
18,200.00	7,259.49	7,285.82	7,285.45	319.30	31.14	90.11	84.87	-9,741.54	180.31	-56.04	236.35	0.763 Level 1		
18,300.00	7,259.68	7,286.41	7,286.04	322.12	31.15	90.42	84.87	-9,741.54	266.63	88.97	177.66	1.501		
18,400.00	7,259.86	7,287.00	7,286.63	324.95	31.15	90.73	84.87	-9,741.54	360.10	213.92	146.18	2.463		
18,500.00	7,260.04	7,287.59	7,287.22	327.78	31.15	91.04	84.88	-9,741.55	456.35	328.72	127.62	3.576		
18,600.00	7,260.22	7,288.18	7,287.81	330.61	31.15	91.34	84.88	-9,741.55	553.92	438.21	115.71	4.787		
18,700.00	7,260.41	7,288.77	7,288.40	333.44	31.16	91.65	84.88	-9,741.55	652.23	544.67	107.56	6.064		
18,800.00	7,260.59	7,289.36	7,288.99	336.27	31.16	91.96	84.89	-9,741.55	750.99	649.28	101.71	7.383		
18,900.00	7,260.77	7,289.95	7,289.58	339.10	31.16	92.26	84.89	-9,741.56	850.03	752.68	97.36	8.731		
19,000.00	7,260.95	7,290.54	7,290.17	341.93	31.16	92.57	84.89	-9,741.56	949.28	855.26	94.02	10.096		
19,025.91	7,261.00	7,290.69	7,290.33	342.66	31.16	92.65	84.89	-9,741.56	975.02	881.74	93.28	10.452		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	14.00	14.00	3.28	3.29	-98.36	-1,256.11	-8,543.86	8,635.71					
100.00	100.00	114.00	114.00	3.28	3.97	-98.36	-1,256.11	-8,543.86	8,635.71	8,628.45	7.25	1,190.582		
200.00	200.00	214.00	214.00	3.34	6.60	-98.36	-1,256.11	-8,543.86	8,635.71	8,625.77	9.94	869.196		
300.00	299.98	313.98	313.98	3.44	9.78	170.92	-1,256.11	-8,543.86	8,637.43	8,624.20	13.22	653.132		
400.00	399.84	413.84	413.84	3.60	13.12	170.91	-1,256.11	-8,543.86	8,642.60	8,625.88	16.72	516.953		
500.00	499.45	513.45	513.45	3.81	16.51	170.89	-1,256.11	-8,543.86	8,651.20	8,630.89	20.31	425.889		
600.00	598.70	612.70	612.70	4.05	19.92	170.87	-1,256.11	-8,543.86	8,663.24	8,639.27	23.97	361.462		
700.00	697.47	711.47	711.47	4.34	23.32	170.83	-1,256.11	-8,543.86	8,678.69	8,651.03	27.66	313.799		
800.00	795.62	809.62	809.62	4.66	26.72	170.79	-1,256.11	-8,543.86	8,697.53	8,666.16	31.37	277.289		
849.22	843.68	857.68	857.68	4.84	28.39	170.77	-1,256.11	-8,543.86	8,708.05	8,674.85	33.20	262.300		
900.00	893.16	907.16	907.16	5.02	30.10	170.78	-1,256.11	-8,543.86	8,719.32	8,684.23	35.09	248.507		
1,000.00	990.60	1,004.60	1,004.60	5.41	33.49	170.81	-1,256.11	-8,543.86	8,741.51	8,702.69	38.82	225.189		
1,100.00	1,088.05	1,102.05	1,102.05	5.83	36.87	170.83	-1,256.11	-8,543.86	8,763.70	8,721.13	42.57	205.859		
1,200.00	1,185.49	1,200.51	1,199.49	6.26	40.30	170.85	-1,256.11	-8,543.86	8,785.90	8,739.52	46.38	189.445		
1,300.00	1,282.93	1,303.07	1,296.93	6.70	43.87	170.88	-1,256.11	-8,543.86	8,808.10	8,757.76	50.34	174.975		
1,400.00	1,380.37	1,405.63	1,394.37	7.15	47.44	170.90	-1,256.11	-8,543.86	8,830.30	8,775.98	54.31	162.582		
1,500.00	1,477.82	1,508.18	1,491.82	7.62	51.01	170.92	-1,256.11	-8,543.86	8,852.50	8,794.20	58.30	151.854		
1,600.00	1,575.26	1,589.26	1,589.26	8.09	53.84	170.94	-1,256.11	-8,543.86	8,874.70	8,813.16	61.54	144.212		
1,700.00	1,672.70	1,686.70	1,686.70	8.57	57.23	170.97	-1,256.11	-8,543.86	8,896.90	8,831.54	65.36	136.124		
1,800.00	1,770.15	1,784.15	1,784.15	9.05	60.63	170.99	-1,256.11	-8,543.86	8,919.11	8,849.92	69.18	128.918		
1,900.00	1,867.59	1,881.59	1,881.59	9.54	64.03	171.01	-1,256.11	-8,543.86	8,941.31	8,868.30	73.01	122.459		
2,000.00	1,965.03	1,979.03	1,979.03	10.03	67.42	171.03	-1,256.11	-8,543.86	8,963.52	8,886.67	76.85	116.638		
2,100.00	2,062.48	2,076.48	2,076.48	10.53	70.82	171.06	-1,256.11	-8,543.86	8,985.73	8,905.04	80.69	111.365		
2,200.00	2,159.92	2,173.92	2,173.92	11.03	74.22	171.08	-1,256.11	-8,543.86	9,007.94	8,923.41	84.53	106.567		
2,300.00	2,257.36	2,271.36	2,271.36	11.53	77.62	171.10	-1,256.11	-8,543.86	9,030.15	8,941.78	88.37	102.183		
2,400.00	2,354.81	2,368.81	2,368.81	12.03	81.02	171.12	-1,256.11	-8,543.86	9,052.36	8,960.14	92.22	98.162		
2,500.00	2,452.25	2,466.25	2,466.25	12.54	84.42	171.15	-1,256.11	-8,543.86	9,074.58	8,978.51	96.07	94.461		
2,600.00	2,549.69	2,563.69	2,563.69	13.04	87.81	171.17	-1,256.11	-8,543.86	9,096.79	8,996.87	99.92	91.043		
2,700.00	2,647.13	2,661.13	2,661.13	13.55	91.21	171.19	-1,256.11	-8,543.86	9,119.01	9,015.24	103.77	87.877		
2,800.00	2,744.58	2,758.58	2,758.58	14.06	94.61	171.21	-1,256.11	-8,543.86	9,141.22	9,033.60	107.62	84.937		
2,900.00	2,842.02	2,856.02	2,856.02	14.57	98.01	171.23	-1,256.11	-8,543.86	9,163.44	9,051.96	111.48	82.199		
3,000.00	2,939.46	2,953.46	2,953.46	15.09	101.41	171.25	-1,256.11	-8,543.86	9,185.66	9,070.33	115.33	79.644		
3,100.00	3,036.91	3,050.91	3,050.91	15.60	104.81	171.27	-1,256.11	-8,543.86	9,207.88	9,088.69	119.19	77.253		
3,200.00	3,134.35	3,148.35	3,148.35	16.11	108.21	171.30	-1,256.11	-8,543.86	9,230.10	9,107.05	123.05	75.011		
3,300.00	3,231.79	3,245.79	3,245.79	16.63	111.61	171.32	-1,256.11	-8,543.86	9,252.33	9,125.42	126.91	72.905		
3,400.00	3,329.24	3,343.24	3,343.24	17.14	115.01	171.34	-1,256.11	-8,543.86	9,274.55	9,143.78	130.77	70.923		
3,500.00	3,426.68	3,440.68	3,440.68	17.66	118.41	171.36	-1,256.11	-8,543.86	9,296.78	9,162.15	134.63	69.054		
3,600.00	3,524.12	3,538.12	3,538.12	18.18	121.81	171.38	-1,256.11	-8,543.86	9,319.01	9,180.51	138.49	67.289		
3,700.00	3,621.57	3,635.57	3,635.57	18.69	125.22	171.40	-1,256.11	-8,543.86	9,341.23	9,198.88	142.35	65.620		
3,800.00	3,719.01	3,733.01	3,733.01	19.21	128.62	171.42	-1,256.11	-8,543.86	9,363.46	9,217.25	146.22	64.038		
3,900.00	3,816.45	3,830.45	3,830.45	19.73	132.02	171.44	-1,256.11	-8,543.86	9,385.69	9,235.61	150.08	62.538		
4,000.00	3,913.90	3,927.90	3,927.90	20.25	135.42	171.46	-1,256.11	-8,543.86	9,407.92	9,253.98	153.94	61.113		
4,100.00	4,011.34	4,025.34	4,025.34	20.77	138.82	171.48	-1,256.11	-8,543.86	9,430.16	9,272.35	157.81	59.757		
4,200.00	4,108.78	4,122.78	4,122.78	21.29	142.22	171.50	-1,256.11	-8,543.86	9,452.39	9,290.72	161.67	58.466		
4,300.00	4,206.22	4,220.22	4,220.22	21.81	145.62	171.52	-1,256.11	-8,543.86	9,474.63	9,309.09	165.54	57.236		
4,400.00	4,303.67	4,317.67	4,317.67	22.33	149.02	171.54	-1,256.11	-8,543.86	9,496.86	9,327.46	169.40	56.061		
4,500.00	4,401.11	4,415.11	4,415.11	22.85	152.42	171.56	-1,256.11	-8,543.86	9,519.10	9,345.83	173.27	54.938		
4,600.00	4,498.55	4,512.55	4,512.55	23.37	155.82	171.58	-1,256.11	-8,543.86	9,541.34	9,364.20	177.13	53.865		
4,700.00	4,596.00	4,610.00	4,610.00	23.89	159.22	171.60	-1,256.11	-8,543.86	9,563.58	9,382.57	181.00	52.837		
4,800.00	4,693.44	4,707.44	4,707.44	24.41	162.62	171.62	-1,256.11	-8,543.86	9,585.82	9,400.95	184.87	51.852		
4,900.00	4,790.88	4,804.88	4,804.88	24.93	166.03	171.64	-1,256.11	-8,543.86	9,608.06	9,419.32	188.73	50.908		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,888.33	4,902.33	4,902.33	25.46	169.43	171.66	-1,256.11	-8,543.86	9,630.30	9,437.70	192.60	50.001			
5,100.00	4,985.77	5,000.23	4,999.77	25.98	172.84	171.68	-1,256.11	-8,543.86	9,652.54	9,456.06	196.49	49.126			
5,200.00	5,083.21	5,102.79	5,097.21	26.50	176.42	171.70	-1,256.11	-8,543.86	9,674.79	9,474.26	200.53	48.246			
5,300.00	5,180.66	5,205.34	5,194.66	27.02	180.00	171.72	-1,256.11	-8,543.86	9,697.03	9,492.45	204.58	47.400			
5,400.00	5,278.10	5,307.90	5,292.10	27.55	183.58	171.74	-1,256.11	-8,543.86	9,719.28	9,510.65	208.62	46.587			
5,500.00	5,375.54	5,389.54	5,389.54	28.07	186.43	171.76	-1,256.11	-8,543.86	9,741.53	9,529.58	211.94	45.963			
5,582.90	5,456.32	5,470.32	5,470.32	28.50	189.25	171.77	-1,256.11	-8,543.86	9,759.97	9,544.82	215.15	45.364			
5,600.00	5,473.00	5,487.00	5,487.00	28.59	189.83	171.79	-1,256.11	-8,543.86	9,763.73	9,547.92	215.81	45.242			
5,700.00	5,570.93	5,584.93	5,584.93	29.10	193.25	171.86	-1,256.11	-8,543.86	9,783.71	9,564.02	219.69	44.534			
5,800.00	5,669.52	5,683.52	5,683.52	29.57	196.69	171.92	-1,256.11	-8,543.86	9,800.29	9,576.71	223.58	43.833			
5,900.00	5,768.62	5,782.62	5,782.62	30.03	200.15	171.97	-1,256.11	-8,543.86	9,813.46	9,585.98	227.48	43.139			
6,000.00	5,868.13	5,882.13	5,882.13	30.45	203.63	172.00	-1,256.11	-8,543.86	9,823.20	9,591.81	231.39	42.454			
6,100.00	5,967.93	5,981.93	5,981.93	30.86	207.11	172.03	-1,256.11	-8,543.86	9,829.49	9,594.20	235.29	41.776			
6,200.00	6,067.88	6,081.88	6,081.88	31.24	210.60	172.04	-1,256.11	-8,543.86	9,832.33	9,593.14	239.19	41.108			
6,232.12	6,100.00	6,114.00	6,114.00	31.36	211.72	-97.25	-1,256.11	-8,543.86	9,832.51	9,592.08	240.43	40.895			
6,300.00	6,167.88	6,181.88	6,181.88	31.61	214.09	-97.25	-1,256.11	-8,543.86	9,832.51	9,589.45	243.06	40.454			
6,400.00	6,267.88	6,281.88	6,281.88	31.97	217.58	-97.25	-1,256.11	-8,543.86	9,832.51	9,585.58	246.93	39.820			
6,500.00	6,367.88	6,381.88	6,381.88	32.34	221.07	-97.25	-1,256.11	-8,543.86	9,832.51	9,581.71	250.80	39.205			
6,600.00	6,467.88	6,481.88	6,481.88	32.70	224.56	-97.25	-1,256.11	-8,543.86	9,832.51	9,577.84	254.67	38.609			
6,700.00	6,567.88	6,581.88	6,581.88	33.07	228.05	-97.25	-1,256.11	-8,543.86	9,832.51	9,573.96	258.54	38.030			
6,736.50	6,604.38	6,618.38	6,618.38	33.21	229.33	-97.25	-1,256.11	-8,543.86	9,832.51	9,572.55	259.96	37.823			
6,750.00	6,617.88	6,631.88	6,631.88	33.25	229.80	-10.16	-1,256.11	-8,543.86	9,832.37	9,571.89	260.48	37.747			
6,800.00	6,667.77	6,681.77	6,681.77	33.43	231.54	-10.21	-1,256.11	-8,543.86	9,829.39	9,567.00	262.39	37.461			
6,850.00	6,717.28	6,731.28	6,731.28	33.60	233.27	-10.33	-1,256.11	-8,543.86	9,822.58	9,558.30	264.28	37.168			
6,900.00	6,766.09	6,780.09	6,780.09	33.79	234.97	-10.52	-1,256.11	-8,543.86	9,811.96	9,545.83	266.12	36.870			
6,950.00	6,813.90	6,827.90	6,827.90	33.99	236.64	-10.78	-1,256.11	-8,543.86	9,797.60	9,529.68	267.92	36.569			
7,000.00	6,860.42	6,874.42	6,874.42	34.20	238.26	-11.13	-1,256.11	-8,543.86	9,779.60	9,509.94	269.66	36.267			
7,050.00	6,905.36	6,919.36	6,919.36	34.42	239.83	-11.58	-1,256.11	-8,543.86	9,758.06	9,486.74	271.32	35.965			
7,100.00	6,948.45	6,962.45	6,962.45	34.67	241.34	-12.14	-1,256.11	-8,543.86	9,733.12	9,460.22	272.90	35.665			
7,150.00	6,989.41	7,003.41	7,003.41	34.94	242.77	-12.85	-1,256.11	-8,543.86	9,704.93	9,430.53	274.40	35.368			
7,200.00	7,028.00	7,042.00	7,042.00	35.24	244.11	-13.72	-1,256.11	-8,543.86	9,673.67	9,397.87	275.80	35.075			
7,250.00	7,063.98	7,077.98	7,077.98	35.56	245.37	-14.80	-1,256.11	-8,543.86	9,639.54	9,362.44	277.10	34.787			
7,300.00	7,097.13	7,111.13	7,111.13	35.92	246.53	-16.17	-1,256.11	-8,543.86	9,602.73	9,324.44	278.29	34.506			
7,350.00	7,127.23	7,141.23	7,141.23	36.32	247.58	-17.91	-1,256.11	-8,543.86	9,563.49	9,284.12	279.36	34.233			
7,400.00	7,154.12	7,168.12	7,168.12	36.75	248.52	-20.17	-1,256.11	-8,543.86	9,522.05	9,241.73	280.32	33.969			
7,450.00	7,177.61	7,208.39	7,191.61	37.22	249.92	-23.16	-1,256.11	-8,543.86	9,478.67	9,196.93	281.74	33.644			
7,500.00	7,197.57	7,211.57	7,211.57	37.73	250.03	-27.26	-1,256.11	-8,543.86	9,433.61	9,151.75	281.86	33.469			
7,550.00	7,213.88	7,227.88	7,227.88	38.28	250.60	-33.06	-1,256.11	-8,543.86	9,387.17	9,104.73	282.44	33.236			
7,600.00	7,226.42	7,240.42	7,240.42	38.87	251.04	-41.61	-1,256.11	-8,543.86	9,339.62	9,056.73	282.89	33.015			
7,650.00	7,235.13	7,249.13	7,249.13	39.48	251.34	-54.51	-1,256.11	-8,543.86	9,291.26	9,008.05	283.21	32.807			
7,700.00	7,239.95	7,253.95	7,253.95	40.12	251.51	-73.30	-1,256.11	-8,543.86	9,242.38	8,958.98	283.40	32.612			
7,735.44	7,241.00	7,255.00	7,255.00	40.59	251.55	-89.50	-1,256.11	-8,543.86	9,207.59	8,924.13	283.46	32.483			
7,800.00	7,241.11	7,255.11	7,255.11	41.47	251.55	-89.51	-1,256.11	-8,543.86	9,144.20	8,860.69	283.51	32.253			
7,900.00	7,241.27	7,255.27	7,255.27	42.96	251.56	-89.51	-1,256.11	-8,543.86	9,046.03	8,762.43	283.60	31.897			
8,000.00	7,241.44	7,255.44	7,255.44	44.59	251.56	-89.52	-1,256.11	-8,543.86	8,947.91	8,664.21	283.70	31.540			
8,100.00	7,241.61	7,255.61	7,255.61	46.34	251.57	-89.52	-1,256.11	-8,543.86	8,849.82	8,566.01	283.81	31.182			
8,200.00	7,241.77	7,255.77	7,255.77	48.20	251.58	-89.53	-1,256.11	-8,543.86	8,751.78	8,467.84	283.94	30.822			
8,300.00	7,241.94	7,255.94	7,255.94	50.16	251.58	-89.53	-1,256.11	-8,543.86	8,653.79	8,369.70	284.09	30.461			
8,400.00	7,242.11	7,256.11	7,256.11	52.20	251.59	-89.54	-1,256.11	-8,543.86	8,555.84	8,271.59	284.26	30.099			
8,500.00	7,242.27	7,256.27	7,256.27	54.31	251.59	-89.54	-1,256.11	-8,543.86	8,457.94	8,173.50	284.44	29.736			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,600.00	7,242.44	7,256.44	7,256.44	56.49	251.60	-89.55	-1,256.11	-8,543.86	8,360.09	8,075.45	284.64	29.371			
8,700.00	7,242.60	7,256.60	7,256.60	58.73	251.60	-89.56	-1,256.11	-8,543.86	8,262.29	7,977.43	284.86	29.005			
8,800.00	7,242.77	7,256.77	7,256.77	61.03	251.61	-89.56	-1,256.11	-8,543.86	8,164.55	7,879.45	285.10	28.638			
8,900.00	7,242.94	7,256.94	7,256.94	63.37	251.62	-89.57	-1,256.11	-8,543.86	8,066.86	7,781.50	285.36	28.269			
9,000.00	7,243.10	7,257.10	7,257.10	65.75	251.62	-89.57	-1,256.11	-8,543.86	7,969.22	7,683.58	285.64	27.900			
9,100.00	7,243.27	7,257.27	7,257.27	68.18	251.63	-89.58	-1,256.11	-8,543.86	7,871.65	7,585.70	285.94	27.529			
9,200.00	7,243.44	7,257.44	7,257.44	70.63	251.63	-89.58	-1,256.11	-8,543.86	7,774.14	7,487.86	286.27	27.156			
9,300.00	7,243.60	7,257.60	7,257.60	73.12	251.64	-89.59	-1,256.11	-8,543.86	7,676.69	7,390.06	286.63	26.783			
9,400.00	7,243.77	7,257.77	7,257.77	75.63	251.65	-89.59	-1,256.11	-8,543.86	7,579.31	7,292.30	287.01	26.408			
9,500.00	7,243.94	7,257.94	7,257.94	78.17	251.65	-89.60	-1,256.11	-8,543.86	7,481.99	7,194.58	287.41	26.032			
9,600.00	7,244.10	7,258.10	7,258.10	80.73	251.66	-89.61	-1,256.11	-8,543.86	7,384.75	7,096.90	287.85	25.655			
9,700.00	7,244.27	7,258.27	7,258.27	83.31	251.66	-89.61	-1,256.11	-8,543.86	7,287.59	6,999.27	288.31	25.277			
9,800.00	7,244.44	7,258.44	7,258.44	85.91	251.67	-89.62	-1,256.11	-8,543.86	7,190.50	6,901.69	288.81	24.897			
9,900.00	7,244.60	7,258.60	7,258.60	88.53	251.67	-89.62	-1,256.11	-8,543.86	7,093.49	6,804.16	289.33	24.517			
10,000.00	7,244.77	7,258.77	7,258.77	91.16	251.68	-89.63	-1,256.11	-8,543.86	6,996.57	6,706.68	289.89	24.135			
10,100.00	7,244.94	7,258.94	7,258.94	93.81	251.69	-89.63	-1,256.11	-8,543.86	6,899.73	6,609.25	290.48	23.753			
10,200.00	7,245.10	7,259.10	7,259.10	96.46	251.69	-89.64	-1,256.11	-8,543.86	6,802.99	6,511.88	291.11	23.370			
10,300.00	7,245.27	7,259.27	7,259.27	99.14	251.70	-89.64	-1,256.11	-8,543.86	6,706.34	6,414.57	291.77	22.985			
10,400.00	7,245.43	7,259.43	7,259.43	101.82	251.70	-89.65	-1,256.11	-8,543.86	6,609.79	6,317.33	292.47	22.600			
10,500.00	7,245.60	7,259.60	7,259.60	104.51	251.71	-89.65	-1,256.11	-8,543.86	6,513.35	6,220.14	293.21	22.214			
10,600.00	7,245.77	7,259.77	7,259.77	107.21	251.71	-89.66	-1,256.11	-8,543.86	6,417.01	6,123.03	293.99	21.828			
10,700.00	7,245.93	7,259.93	7,259.93	109.92	251.72	-89.67	-1,256.11	-8,543.86	6,320.79	6,025.98	294.81	21.440			
10,800.00	7,246.10	7,260.10	7,260.10	112.64	251.73	-89.67	-1,256.11	-8,543.86	6,224.69	5,929.02	295.67	21.053			
10,900.00	7,246.27	7,260.27	7,260.27	115.37	251.73	-89.68	-1,256.11	-8,543.86	6,128.71	5,832.13	296.58	20.664			
11,000.00	7,246.43	7,260.43	7,260.43	118.10	251.74	-89.68	-1,256.11	-8,543.86	6,032.86	5,735.32	297.54	20.276			
11,100.00	7,246.60	7,260.60	7,260.60	120.84	251.74	-89.69	-1,256.11	-8,543.86	5,937.15	5,638.61	298.54	19.887			
11,200.00	7,246.77	7,260.77	7,260.77	123.58	251.75	-89.69	-1,256.11	-8,543.86	5,841.59	5,541.98	299.60	19.498			
11,300.00	7,246.93	7,260.93	7,260.93	126.34	251.76	-89.70	-1,256.11	-8,543.86	5,746.17	5,445.46	300.71	19.109			
11,340.34	7,247.00	7,261.00	7,261.00	127.45	251.76	-89.70	-1,256.11	-8,543.86	5,707.72	5,406.55	301.17	18.952			
11,400.00	7,247.10	7,261.10	7,261.10	129.09	251.76	-89.67	-1,256.11	-8,543.86	5,650.73	5,348.87	301.85	18.720			
11,500.00	7,247.27	7,261.27	7,261.27	131.84	251.77	-89.62	-1,256.11	-8,543.86	5,554.51	5,251.58	302.93	18.336			
11,586.15	7,247.43	7,261.43	7,261.43	134.20	251.77	-89.56	-1,256.11	-8,543.86	5,471.00	5,167.21	303.79	18.009			
11,600.00	7,247.45	7,261.45	7,261.45	134.57	251.77	-89.56	-1,256.11	-8,543.86	5,457.53	5,153.61	303.92	17.957			
11,700.00	7,247.64	7,261.64	7,261.64	137.31	251.78	-89.57	-1,256.11	-8,543.86	5,360.34	5,055.43	304.91	17.580			
11,800.00	7,247.82	7,261.82	7,261.82	140.05	251.79	-89.58	-1,256.11	-8,543.86	5,263.25	4,957.31	305.94	17.204			
11,900.00	7,248.00	7,262.00	7,262.00	142.79	251.79	-89.59	-1,256.11	-8,543.86	5,166.27	4,859.26	307.01	16.828			
12,000.00	7,248.18	7,262.18	7,262.18	145.53	251.80	-89.60	-1,256.11	-8,543.86	5,069.41	4,761.27	308.14	16.452			
12,100.00	7,248.37	7,262.37	7,262.37	148.28	251.81	-89.61	-1,256.11	-8,543.86	4,972.67	4,663.35	309.32	16.076			
12,200.00	7,248.55	7,262.55	7,262.55	151.04	251.81	-89.61	-1,256.11	-8,543.86	4,876.07	4,565.51	310.55	15.701			
12,300.00	7,248.73	7,262.73	7,262.73	153.80	251.82	-89.62	-1,256.11	-8,543.86	4,779.60	4,467.76	311.85	15.327			
12,400.00	7,248.91	7,262.91	7,262.91	156.56	251.82	-89.63	-1,256.11	-8,543.86	4,683.29	4,370.08	313.20	14.953			
12,500.00	7,249.10	7,263.10	7,263.10	159.32	251.83	-89.64	-1,256.11	-8,543.86	4,587.13	4,272.50	314.62	14.580			
12,600.00	7,249.28	7,263.28	7,263.28	162.09	251.84	-89.65	-1,256.11	-8,543.86	4,491.13	4,175.02	316.11	14.207			
12,700.00	7,249.46	7,263.46	7,263.46	164.86	251.84	-89.65	-1,256.11	-8,543.86	4,395.32	4,077.64	317.68	13.836			
12,800.00	7,249.64	7,263.64	7,263.64	167.63	251.85	-89.66	-1,256.11	-8,543.86	4,299.70	3,980.38	319.32	13.465			
12,900.00	7,249.83	7,263.83	7,263.83	170.40	251.86	-89.67	-1,256.11	-8,543.86	4,204.28	3,883.24	321.05	13.096			
13,000.00	7,250.01	7,264.01	7,264.01	173.18	251.86	-89.68	-1,256.11	-8,543.86	4,109.08	3,786.22	322.86	12.727			
13,100.00	7,250.19	7,264.19	7,264.19	175.96	251.87	-89.69	-1,256.11	-8,543.86	4,014.11	3,689.35	324.77	12.360			
13,200.00	7,250.37	7,264.37	7,264.37	178.74	251.88	-89.70	-1,256.11	-8,543.86	3,919.40	3,592.62	326.77	11.994			
13,300.00	7,250.56	7,264.56	7,264.56	181.52	251.88	-89.70	-1,256.11	-8,543.86	3,824.95	3,496.06	328.89	11.630			
13,400.00	7,250.74	7,264.74	7,264.74	184.31	251.89	-89.71	-1,256.11	-8,543.86	3,730.79	3,399.68	331.12	11.267			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,500.00	7,250.92	7,264.92	7,264.92	187.09	251.89	-89.72	-1,256.11	-8,543.86	3,636.95	3,303.48	333.46	10.907			
13,600.00	7,251.10	7,265.10	7,265.10	189.88	251.90	-89.73	-1,256.11	-8,543.86	3,543.44	3,207.50	335.94	10.548			
13,700.00	7,251.29	7,265.29	7,265.29	192.67	251.91	-89.74	-1,256.11	-8,543.86	3,450.29	3,111.73	338.56	10.191			
13,800.00	7,251.47	7,265.47	7,265.47	195.47	251.91	-89.74	-1,256.11	-8,543.86	3,357.54	3,016.22	341.32	9.837			
13,900.00	7,251.65	7,265.65	7,265.65	198.26	251.92	-89.75	-1,256.11	-8,543.86	3,265.22	2,920.97	344.24	9.485			
14,000.00	7,251.83	7,265.83	7,265.83	201.05	251.93	-89.76	-1,256.11	-8,543.86	3,173.36	2,826.02	347.34	9.136			
14,100.00	7,252.01	7,266.01	7,266.01	203.85	251.93	-89.77	-1,256.11	-8,543.86	3,082.01	2,731.39	350.61	8.790			
14,200.00	7,252.20	7,266.20	7,266.20	206.65	251.94	-89.78	-1,256.11	-8,543.86	2,991.21	2,637.13	354.08	8.448			
14,300.00	7,252.38	7,266.38	7,266.38	209.45	251.95	-89.79	-1,256.11	-8,543.86	2,901.02	2,543.25	357.77	8.109			
14,400.00	7,252.56	7,266.56	7,266.56	212.25	251.95	-89.79	-1,256.11	-8,543.86	2,811.49	2,449.81	361.67	7.774			
14,500.00	7,252.74	7,266.74	7,266.74	215.05	251.96	-89.80	-1,256.11	-8,543.86	2,722.69	2,356.86	365.82	7.443			
14,600.00	7,252.93	7,266.93	7,266.93	217.86	251.96	-89.81	-1,256.11	-8,543.86	2,634.69	2,264.46	370.23	7.116			
14,700.00	7,253.11	7,267.11	7,267.11	220.66	251.97	-89.82	-1,256.11	-8,543.86	2,547.58	2,172.66	374.92	6.795			
14,800.00	7,253.29	7,267.29	7,267.29	223.47	251.98	-89.83	-1,256.11	-8,543.86	2,461.45	2,081.54	379.91	6.479			
14,900.00	7,253.47	7,267.47	7,267.47	226.27	251.98	-89.84	-1,256.11	-8,543.86	2,376.40	1,991.19	385.21	6.169			
15,000.00	7,253.66	7,267.66	7,267.66	229.08	251.99	-89.84	-1,256.11	-8,543.86	2,292.56	1,901.71	390.86	5.865			
15,100.00	7,253.84	7,267.84	7,267.84	231.89	252.00	-89.85	-1,256.11	-8,543.86	2,210.07	1,813.21	396.86	5.569			
15,200.00	7,254.02	7,268.02	7,268.02	234.70	252.00	-89.86	-1,256.11	-8,543.86	2,129.08	1,725.84	403.24	5.280			
15,300.00	7,254.20	7,268.20	7,268.20	237.51	252.01	-89.87	-1,256.11	-8,543.86	2,049.77	1,639.75	410.01	4.999			
15,400.00	7,254.39	7,268.39	7,268.39	240.32	252.02	-89.88	-1,256.11	-8,543.86	1,972.33	1,555.14	417.20	4.728			
15,500.00	7,254.57	7,268.57	7,268.57	243.13	252.02	-89.88	-1,256.11	-8,543.86	1,897.01	1,472.22	424.79	4.466			
15,600.00	7,254.75	7,268.75	7,268.75	245.94	252.03	-89.89	-1,256.11	-8,543.86	1,824.07	1,391.26	432.81	4.215			
15,700.00	7,254.93	7,268.93	7,268.93	248.76	252.03	-89.90	-1,256.11	-8,543.86	1,753.79	1,312.57	441.22	3.975			
15,800.00	7,255.12	7,269.12	7,269.12	251.57	252.04	-89.91	-1,256.11	-8,543.86	1,686.52	1,236.51	450.01	3.748			
15,900.00	7,255.30	7,269.30	7,269.30	254.39	252.05	-89.92	-1,256.11	-8,543.86	1,622.63	1,163.51	459.12	3.534			
16,000.00	7,255.48	7,269.48	7,269.48	257.20	252.05	-89.93	-1,256.11	-8,543.86	1,562.52	1,094.06	468.47	3.335			
16,100.00	7,255.66	7,269.66	7,269.66	260.02	252.06	-89.93	-1,256.11	-8,543.86	1,506.67	1,028.71	477.96	3.152			
16,200.00	7,255.85	7,269.85	7,269.85	262.84	252.07	-89.94	-1,256.11	-8,543.86	1,455.54	968.11	487.43	2.986			
16,300.00	7,256.03	7,270.03	7,270.03	265.65	252.07	-89.95	-1,256.11	-8,543.86	1,409.67	912.96	496.71	2.838			
16,400.00	7,256.21	7,270.21	7,270.21	268.47	252.08	-89.96	-1,256.11	-8,543.86	1,369.57	864.00	505.57	2.709			
16,500.00	7,256.39	7,270.39	7,270.39	271.29	252.09	-89.97	-1,256.11	-8,543.86	1,335.78	822.02	513.75	2.600			
16,600.00	7,256.58	7,270.58	7,270.58	274.11	252.09	-89.97	-1,256.11	-8,543.86	1,308.76	787.78	520.98	2.512			
16,700.00	7,256.76	7,270.76	7,270.76	276.93	252.10	-89.98	-1,256.11	-8,543.86	1,288.96	761.96	527.00	2.446			
16,800.00	7,256.94	7,270.94	7,270.94	279.75	252.10	-89.99	-1,256.11	-8,543.86	1,276.71	745.13	531.58	2.402			
16,900.00	7,257.12	7,271.12	7,271.12	282.57	252.11	-90.00	-1,256.11	-8,543.86	1,272.22	737.69	534.54	2.380			
16,907.19	7,257.14	7,271.14	7,271.14	282.78	252.11	-90.00	-1,256.11	-8,543.86	1,272.20	737.52	534.68	2.379	CC, ES, SF		
17,000.00	7,257.30	7,271.30	7,271.30	285.40	252.12	-90.01	-1,256.11	-8,543.86	1,275.58	739.80	535.79	2.381			
17,100.00	7,257.49	7,271.49	7,271.49	288.22	252.12	-90.02	-1,256.11	-8,543.86	1,286.73	751.39	535.34	2.404			
17,200.00	7,257.67	7,271.67	7,271.67	291.04	252.13	-90.02	-1,256.11	-8,543.86	1,305.46	772.19	533.28	2.448			
17,300.00	7,257.85	7,271.85	7,271.85	293.87	252.14	-90.03	-1,256.11	-8,543.86	1,331.47	801.68	529.78	2.513			
17,400.00	7,258.03	7,272.03	7,272.03	296.69	252.14	-90.04	-1,256.11	-8,543.86	1,364.32	839.25	525.07	2.598			
17,500.00	7,258.22	7,272.22	7,272.22	299.51	252.15	-90.05	-1,256.11	-8,543.86	1,403.54	884.16	519.38	2.702			
17,600.00	7,258.40	7,272.40	7,272.40	302.34	252.16	-90.06	-1,256.11	-8,543.86	1,448.62	935.64	512.97	2.824			
17,700.00	7,258.58	7,272.58	7,272.58	305.16	252.16	-90.07	-1,256.11	-8,543.86	1,499.02	992.94	506.07	2.962			
17,800.00	7,258.76	7,272.76	7,272.76	307.99	252.17	-90.07	-1,256.11	-8,543.86	1,554.22	1,055.35	498.88	3.115			
17,900.00	7,258.95	7,272.95	7,272.95	310.82	252.17	-90.08	-1,256.11	-8,543.86	1,613.74	1,122.19	491.55	3.283			
18,000.00	7,259.13	7,273.13	7,273.13	313.64	252.18	-90.09	-1,256.11	-8,543.86	1,677.12	1,192.88	484.24	3.463			
18,100.00	7,259.31	7,273.31	7,273.31	316.47	252.19	-90.10	-1,256.11	-8,543.86	1,743.93	1,266.90	477.04	3.656			
18,200.00	7,259.49	7,273.49	7,273.49	319.30	252.19	-90.11	-1,256.11	-8,543.86	1,813.80	1,343.78	470.02	3.859			
18,300.00	7,259.68	7,273.68	7,273.68	322.12	252.20	-90.11	-1,256.11	-8,543.86	1,886.38	1,423.15	463.23	4.072			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,273.86	7,273.86	324.95	252.21	-90.12	-1,256.11	-8,543.86	1,961.37	1,504.66	456.71	4.295		
18,500.00	7,260.04	7,274.04	7,274.04	327.78	252.21	-90.13	-1,256.11	-8,543.86	2,038.52	1,588.03	450.49	4.525		
18,600.00	7,260.22	7,274.22	7,274.22	330.61	252.22	-90.14	-1,256.11	-8,543.86	2,117.57	1,673.02	444.55	4.763		
18,700.00	7,260.41	7,274.41	7,274.41	333.44	252.23	-90.15	-1,256.11	-8,543.86	2,198.33	1,759.41	438.92	5.009		
18,800.00	7,260.59	7,274.59	7,274.59	336.27	252.23	-90.16	-1,256.11	-8,543.86	2,280.62	1,847.04	433.58	5.260		
18,900.00	7,260.77	7,274.77	7,274.77	339.10	252.24	-90.16	-1,256.11	-8,543.86	2,364.27	1,935.75	428.52	5.517		
19,000.00	7,260.95	7,274.95	7,274.95	341.93	252.24	-90.17	-1,256.11	-8,543.86	2,449.15	2,025.41	423.74	5.780		
19,025.91	7,261.00	7,275.00	7,275.00	342.66	252.25	-90.17	-1,256.11	-8,543.86	2,471.33	2,048.79	422.55	5.849		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
0.00	0.00	26.00	26.00	3.28	3.31	-80.28	1,443.72	-8,427.52	8,550.29						
100.00	100.00	126.00	126.00	3.28	4.22	-80.28	1,443.72	-8,427.52	8,550.29	8,542.79	7.50	1,139.519			
200.00	200.00	226.00	226.00	3.34	6.96	-80.28	1,443.72	-8,427.52	8,550.29	8,539.99	10.30	829.974			
300.00	299.98	325.98	325.98	3.44	10.18	-170.99	1,443.72	-8,427.52	8,552.02	8,538.40	13.62	627.890			
400.00	399.84	425.84	425.84	3.60	13.52	-170.97	1,443.72	-8,427.52	8,557.18	8,540.06	17.12	499.716			
500.00	499.45	525.45	525.45	3.81	16.92	-170.96	1,443.72	-8,427.52	8,565.79	8,545.07	20.72	413.342			
600.00	598.70	624.70	624.70	4.05	20.33	-170.93	1,443.72	-8,427.52	8,577.83	8,553.45	24.38	351.857			
700.00	697.47	723.47	723.47	4.34	23.74	-170.90	1,443.72	-8,427.52	8,593.28	8,565.21	28.07	306.157			
800.00	795.62	821.62	821.62	4.66	27.14	-170.86	1,443.72	-8,427.52	8,612.13	8,580.35	31.78	271.022			
849.22	843.68	869.68	869.68	4.84	28.80	-170.83	1,443.72	-8,427.52	8,622.65	8,589.04	33.61	256.565			
900.00	893.16	919.16	919.16	5.02	30.52	-170.85	1,443.72	-8,427.52	8,633.92	8,598.42	35.49	243.244			
1,000.00	990.60	1,016.60	1,016.60	5.41	33.90	-170.87	1,443.72	-8,427.52	8,656.11	8,616.89	39.22	220.684			
1,100.00	1,088.05	1,114.05	1,114.05	5.83	37.29	-170.89	1,443.72	-8,427.52	8,678.31	8,635.34	42.97	201.944			
1,200.00	1,185.49	1,211.49	1,211.49	6.26	40.68	-170.92	1,443.72	-8,427.52	8,700.51	8,653.77	46.74	186.144			
1,300.00	1,282.93	1,308.93	1,308.93	6.70	44.07	-170.94	1,443.72	-8,427.52	8,722.71	8,672.19	50.52	172.653			
1,400.00	1,380.37	1,406.37	1,406.37	7.15	47.46	-170.96	1,443.72	-8,427.52	8,744.92	8,690.60	54.31	161.007			
1,500.00	1,477.82	1,503.82	1,503.82	7.62	50.86	-170.99	1,443.72	-8,427.52	8,767.12	8,709.01	58.12	150.857			
1,600.00	1,575.26	1,601.26	1,601.26	8.09	54.25	-171.01	1,443.72	-8,427.52	8,789.33	8,727.40	61.93	141.935			
1,700.00	1,672.70	1,701.30	1,698.70	8.57	57.74	-171.03	1,443.72	-8,427.52	8,811.53	8,745.70	65.83	133.850			
1,800.00	1,770.15	1,803.85	1,796.15	9.05	61.31	-171.06	1,443.72	-8,427.52	8,833.74	8,763.91	69.83	126.500			
1,900.00	1,867.59	1,906.41	1,893.59	9.54	64.89	-171.08	1,443.72	-8,427.52	8,855.95	8,782.12	73.84	119.939			
2,000.00	1,965.03	2,008.97	1,991.03	10.03	68.47	-171.10	1,443.72	-8,427.52	8,878.16	8,800.32	77.85	114.047			
2,100.00	2,062.48	2,088.48	2,088.48	10.53	71.24	-171.12	1,443.72	-8,427.52	8,900.38	8,819.32	81.06	109.806			
2,200.00	2,159.92	2,185.92	2,185.92	11.03	74.64	-171.15	1,443.72	-8,427.52	8,922.59	8,837.70	84.89	105.104			
2,300.00	2,257.36	2,283.36	2,283.36	11.53	78.04	-171.17	1,443.72	-8,427.52	8,944.80	8,856.07	88.73	100.805			
2,400.00	2,354.81	2,380.81	2,380.81	12.03	81.43	-171.19	1,443.72	-8,427.52	8,967.02	8,874.44	92.58	96.861			
2,500.00	2,452.25	2,478.25	2,478.25	12.54	84.83	-171.21	1,443.72	-8,427.52	8,989.24	8,892.82	96.42	93.229			
2,600.00	2,549.69	2,575.69	2,575.69	13.04	88.23	-171.23	1,443.72	-8,427.52	9,011.46	8,911.19	100.27	89.873			
2,700.00	2,647.13	2,673.13	2,673.13	13.55	91.63	-171.25	1,443.72	-8,427.52	9,033.68	8,929.56	104.12	86.765			
2,800.00	2,744.58	2,770.58	2,770.58	14.06	95.03	-171.28	1,443.72	-8,427.52	9,055.90	8,947.93	107.97	83.876			
2,900.00	2,842.02	2,868.02	2,868.02	14.57	98.43	-171.30	1,443.72	-8,427.52	9,078.12	8,966.30	111.82	81.186			
3,000.00	2,939.46	2,965.46	2,965.46	15.09	101.83	-171.32	1,443.72	-8,427.52	9,100.34	8,984.67	115.67	78.674			
3,100.00	3,036.91	3,062.91	3,062.91	15.60	105.23	-171.34	1,443.72	-8,427.52	9,122.57	9,003.04	119.53	76.323			
3,200.00	3,134.35	3,160.35	3,160.35	16.11	108.63	-171.36	1,443.72	-8,427.52	9,144.79	9,021.41	123.38	74.119			
3,300.00	3,231.79	3,257.79	3,257.79	16.63	112.03	-171.38	1,443.72	-8,427.52	9,167.02	9,039.78	127.24	72.047			
3,400.00	3,329.24	3,355.24	3,355.24	17.14	115.43	-171.40	1,443.72	-8,427.52	9,189.25	9,058.16	131.09	70.097			
3,500.00	3,426.68	3,452.68	3,452.68	17.66	118.83	-171.42	1,443.72	-8,427.52	9,211.48	9,076.53	134.95	68.258			
3,600.00	3,524.12	3,550.12	3,550.12	18.18	122.23	-171.45	1,443.72	-8,427.52	9,233.71	9,094.90	138.81	66.521			
3,700.00	3,621.57	3,647.57	3,647.57	18.69	125.63	-171.47	1,443.72	-8,427.52	9,255.94	9,113.27	142.67	64.878			
3,800.00	3,719.01	3,745.01	3,745.01	19.21	129.03	-171.49	1,443.72	-8,427.52	9,278.17	9,131.65	146.53	63.321			
3,900.00	3,816.45	3,842.45	3,842.45	19.73	132.44	-171.51	1,443.72	-8,427.52	9,300.41	9,150.02	150.39	61.843			
4,000.00	3,913.90	3,939.90	3,939.90	20.25	135.84	-171.53	1,443.72	-8,427.52	9,322.64	9,168.39	154.25	60.440			
4,100.00	4,011.34	4,037.34	4,037.34	20.77	139.24	-171.55	1,443.72	-8,427.52	9,344.88	9,186.77	158.11	59.104			
4,200.00	4,108.78	4,134.78	4,134.78	21.29	142.64	-171.57	1,443.72	-8,427.52	9,367.12	9,205.15	161.97	57.833			
4,300.00	4,206.22	4,232.22	4,232.22	21.81	146.04	-171.59	1,443.72	-8,427.52	9,389.35	9,223.52	165.83	56.620			
4,400.00	4,303.67	4,329.67	4,329.67	22.33	149.44	-171.61	1,443.72	-8,427.52	9,411.59	9,241.90	169.69	55.462			
4,500.00	4,401.11	4,427.11	4,427.11	22.85	152.84	-171.63	1,443.72	-8,427.52	9,433.83	9,260.28	173.56	54.356			
4,600.00	4,498.55	4,524.55	4,524.55	23.37	156.24	-171.65	1,443.72	-8,427.52	9,456.08	9,278.66	177.42	53.298			
4,700.00	4,596.00	4,622.00	4,622.00	23.89	159.64	-171.67	1,443.72	-8,427.52	9,478.32	9,297.04	181.28	52.285			
4,800.00	4,693.44	4,719.44	4,719.44	24.41	163.04	-171.69	1,443.72	-8,427.52	9,500.56	9,315.42	185.15	51.314			
4,900.00	4,790.88	4,816.88	4,816.88	24.93	166.44	-171.71	1,443.72	-8,427.52	9,522.81	9,333.80	189.01	50.383			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,888.33	4,914.33	4,914.33	25.46	169.85	-171.73	1,443.72	-8,427.52	9,545.05	9,352.18	192.87	49.489			
5,100.00	4,985.77	5,011.77	5,011.77	25.98	173.25	-171.75	1,443.72	-8,427.52	9,567.30	9,370.56	196.74	48.630			
5,200.00	5,083.21	5,109.21	5,109.21	26.50	176.65	-171.76	1,443.72	-8,427.52	9,589.55	9,388.95	200.60	47.804			
5,300.00	5,180.66	5,206.66	5,206.66	27.02	180.05	-171.78	1,443.72	-8,427.52	9,611.80	9,407.33	204.47	47.009			
5,400.00	5,278.10	5,304.10	5,304.10	27.55	183.45	-171.80	1,443.72	-8,427.52	9,634.05	9,425.71	208.33	46.244			
5,500.00	5,375.54	5,401.54	5,401.54	28.07	186.85	-171.82	1,443.72	-8,427.52	9,656.30	9,444.10	212.20	45.506			
5,582.90	5,456.32	5,482.32	5,482.32	28.50	189.67	-171.84	1,443.72	-8,427.52	9,674.74	9,459.34	215.40	44.915			
5,600.00	5,473.00	5,501.00	5,499.00	28.59	190.32	-171.85	1,443.72	-8,427.52	9,678.50	9,462.37	216.13	44.780			
5,700.00	5,570.93	5,603.07	5,596.93	29.10	193.89	-171.93	1,443.72	-8,427.52	9,698.49	9,478.33	220.15	44.053			
5,800.00	5,669.52	5,704.48	5,695.52	29.57	197.43	-171.99	1,443.72	-8,427.52	9,715.08	9,490.93	224.14	43.343			
5,900.00	5,768.62	5,805.38	5,794.62	30.03	200.95	-172.04	1,443.72	-8,427.52	9,728.25	9,500.14	228.10	42.648			
6,000.00	5,868.13	5,905.87	5,894.13	30.45	204.46	-172.07	1,443.72	-8,427.52	9,737.98	9,505.94	232.04	41.967			
6,100.00	5,967.93	6,006.07	5,993.93	30.86	207.95	-172.09	1,443.72	-8,427.52	9,744.28	9,508.32	235.96	41.297			
6,200.00	6,067.88	6,106.12	6,093.88	31.24	211.45	-172.10	1,443.72	-8,427.52	9,747.12	9,507.26	239.86	40.637			
6,232.12	6,100.00	6,126.00	6,126.00	31.36	212.14	-81.39	1,443.72	-8,427.52	9,747.29	9,506.62	240.68	40.500			
6,300.00	6,167.88	6,206.12	6,193.88	31.61	214.94	-81.39	1,443.72	-8,427.52	9,747.29	9,503.56	243.73	39.992			
6,400.00	6,267.88	6,306.12	6,293.88	31.97	218.43	-81.39	1,443.72	-8,427.52	9,747.29	9,499.69	247.60	39.367			
6,500.00	6,367.88	6,406.12	6,393.88	32.34	221.92	-81.39	1,443.72	-8,427.52	9,747.29	9,495.82	251.47	38.761			
6,600.00	6,467.88	6,506.12	6,493.88	32.70	225.41	-81.39	1,443.72	-8,427.52	9,747.29	9,491.95	255.35	38.172			
6,700.00	6,567.88	6,606.12	6,593.88	33.07	228.90	-81.39	1,443.72	-8,427.52	9,747.29	9,488.07	259.23	37.602			
6,736.50	6,604.38	6,630.38	6,630.38	33.21	229.74	-81.39	1,443.72	-8,427.52	9,747.29	9,487.08	260.21	37.459			
6,750.00	6,617.88	6,643.88	6,643.88	33.25	230.22	5.70	1,443.72	-8,427.52	9,747.15	9,486.42	260.73	37.383			
6,800.00	6,667.77	6,706.23	6,693.77	33.43	232.39	5.73	1,443.72	-8,427.52	9,744.15	9,481.06	263.08	37.038			
6,850.00	6,717.28	6,743.28	6,743.28	33.60	233.69	5.80	1,443.72	-8,427.52	9,737.25	9,472.72	264.54	36.809			
6,900.00	6,766.09	6,807.91	6,792.09	33.79	235.94	5.91	1,443.72	-8,427.52	9,726.52	9,459.58	266.93	36.438			
6,950.00	6,813.90	6,839.90	6,839.90	33.99	237.06	6.06	1,443.72	-8,427.52	9,712.00	9,443.83	268.18	36.215			
7,000.00	6,860.42	6,886.42	6,886.42	34.20	238.68	6.26	1,443.72	-8,427.52	9,693.80	9,423.89	269.91	35.915			
7,050.00	6,905.36	6,931.36	6,931.36	34.42	240.25	6.51	1,443.72	-8,427.52	9,672.03	9,400.46	271.57	35.615			
7,100.00	6,948.45	6,974.45	6,974.45	34.67	241.76	6.84	1,443.72	-8,427.52	9,646.81	9,373.66	273.15	35.317			
7,150.00	6,989.41	7,015.41	7,015.41	34.94	243.19	7.24	1,443.72	-8,427.52	9,618.31	9,343.67	274.64	35.022			
7,200.00	7,028.00	7,054.00	7,054.00	35.24	244.53	7.74	1,443.72	-8,427.52	9,586.70	9,310.67	276.03	34.730			
7,250.00	7,063.98	7,089.98	7,089.98	35.56	245.79	8.38	1,443.72	-8,427.52	9,552.18	9,274.85	277.32	34.444			
7,300.00	7,097.13	7,123.13	7,123.13	35.92	246.95	9.18	1,443.72	-8,427.52	9,514.95	9,236.45	278.50	34.165			
7,350.00	7,127.23	7,153.23	7,153.23	36.32	248.00	10.21	1,443.72	-8,427.52	9,475.26	9,195.69	279.56	33.893			
7,400.00	7,154.12	7,180.12	7,180.12	36.75	248.93	11.56	1,443.72	-8,427.52	9,433.34	9,152.83	280.51	33.630			
7,450.00	7,177.61	7,203.61	7,203.61	37.22	249.75	13.40	1,443.72	-8,427.52	9,389.45	9,108.12	281.32	33.376			
7,500.00	7,197.57	7,223.57	7,223.57	37.73	250.45	16.01	1,443.72	-8,427.52	9,343.86	9,061.85	282.02	33.132			
7,550.00	7,213.88	7,239.88	7,239.88	38.28	251.02	19.93	1,443.72	-8,427.52	9,296.87	9,014.29	282.58	32.900			
7,600.00	7,226.42	7,252.42	7,252.42	38.87	251.46	26.32	1,443.72	-8,427.52	9,248.74	8,965.73	283.01	32.680			
7,650.00	7,235.13	7,261.13	7,261.13	39.48	251.76	38.00	1,443.72	-8,427.52	9,199.79	8,916.48	283.31	32.472			
7,700.00	7,239.95	7,265.95	7,265.95	40.12	251.93	61.70	1,443.72	-8,427.52	9,150.32	8,866.84	283.48	32.278			
7,735.44	7,241.00	7,267.00	7,267.00	40.59	251.97	89.11	1,443.72	-8,427.52	9,115.10	8,831.57	283.52	32.149			
7,800.00	7,241.11	7,267.11	7,267.11	41.47	251.97	89.11	1,443.72	-8,427.52	9,050.90	8,767.36	283.54	31.921			
7,900.00	7,241.27	7,267.27	7,267.27	42.96	251.98	89.12	1,443.72	-8,427.52	8,951.49	8,667.91	283.58	31.566			
8,000.00	7,241.44	7,267.44	7,267.44	44.59	251.98	89.13	1,443.72	-8,427.52	8,852.08	8,568.46	283.61	31.212			
8,100.00	7,241.61	7,267.61	7,267.61	46.34	251.99	89.14	1,443.72	-8,427.52	8,752.69	8,469.03	283.66	30.857			
8,200.00	7,241.77	7,267.77	7,267.77	48.20	251.99	89.15	1,443.72	-8,427.52	8,653.31	8,369.60	283.71	30.501			
8,300.00	7,241.94	7,267.94	7,267.94	50.16	252.00	89.16	1,443.72	-8,427.52	8,553.94	8,270.18	283.76	30.145			
8,400.00	7,242.11	7,268.11	7,268.11	52.20	252.01	89.17	1,443.72	-8,427.52	8,454.59	8,170.77	283.83	29.788			
8,500.00	7,242.27	7,268.27	7,268.27	54.31	252.01	89.18	1,443.72	-8,427.52	8,355.26	8,071.36	283.89	29.431			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
8,600.00	7,242.44	7,268.44	7,268.44	56.49	252.02	89.19	1,443.72	-8,427.52	8,255.94	7,971.97	283.97	29.073					
8,700.00	7,242.60	7,268.60	7,268.60	58.73	252.02	89.20	1,443.72	-8,427.52	8,156.64	7,872.58	284.06	28.715					
8,800.00	7,242.77	7,268.77	7,268.77	61.03	252.03	89.21	1,443.72	-8,427.52	8,057.35	7,773.21	284.15	28.356					
8,900.00	7,242.94	7,268.94	7,268.94	63.37	252.03	89.22	1,443.72	-8,427.52	7,958.09	7,673.84	284.25	27.997					
9,000.00	7,243.10	7,269.10	7,269.10	65.75	252.04	89.23	1,443.72	-8,427.52	7,858.84	7,574.48	284.36	27.637					
9,100.00	7,243.27	7,269.27	7,269.27	68.18	252.05	89.24	1,443.72	-8,427.52	7,759.61	7,475.14	284.47	27.277					
9,200.00	7,243.44	7,269.44	7,269.44	70.63	252.05	89.25	1,443.72	-8,427.52	7,660.40	7,375.80	284.60	26.916					
9,300.00	7,243.60	7,269.60	7,269.60	73.12	252.06	89.26	1,443.72	-8,427.52	7,561.22	7,276.48	284.74	26.555					
9,400.00	7,243.77	7,269.77	7,269.77	75.63	252.06	89.27	1,443.72	-8,427.52	7,462.05	7,177.16	284.89	26.193					
9,500.00	7,243.94	7,269.94	7,269.94	78.17	252.07	89.28	1,443.72	-8,427.52	7,362.91	7,077.86	285.05	25.830					
9,600.00	7,244.10	7,270.10	7,270.10	80.73	252.08	89.29	1,443.72	-8,427.52	7,263.79	6,978.57	285.22	25.467					
9,700.00	7,244.27	7,270.27	7,270.27	83.31	252.08	89.30	1,443.72	-8,427.52	7,164.69	6,879.29	285.40	25.104					
9,800.00	7,244.44	7,270.44	7,270.44	85.91	252.09	89.31	1,443.72	-8,427.52	7,065.62	6,780.02	285.60	24.740					
9,900.00	7,244.60	7,270.60	7,270.60	88.53	252.09	89.32	1,443.72	-8,427.52	6,966.58	6,680.77	285.81	24.375					
10,000.00	7,244.77	7,270.77	7,270.77	91.16	252.10	89.33	1,443.72	-8,427.52	6,867.56	6,581.53	286.03	24.010					
10,100.00	7,244.94	7,270.94	7,270.94	93.81	252.10	89.34	1,443.72	-8,427.52	6,768.58	6,482.31	286.27	23.644					
10,200.00	7,245.10	7,271.10	7,271.10	96.46	252.11	89.35	1,443.72	-8,427.52	6,669.62	6,383.09	286.53	23.277					
10,300.00	7,245.27	7,271.27	7,271.27	99.14	252.12	89.36	1,443.72	-8,427.52	6,570.70	6,283.90	286.80	22.910					
10,400.00	7,245.43	7,271.43	7,271.43	101.82	252.12	89.37	1,443.72	-8,427.52	6,471.81	6,184.71	287.09	22.543					
10,500.00	7,245.60	7,271.60	7,271.60	104.51	252.13	89.38	1,443.72	-8,427.52	6,372.95	6,085.55	287.40	22.174					
10,600.00	7,245.77	7,271.77	7,271.77	107.21	252.13	89.39	1,443.72	-8,427.52	6,274.13	5,986.40	287.73	21.806					
10,700.00	7,245.93	7,271.93	7,271.93	109.92	252.14	89.40	1,443.72	-8,427.52	6,175.35	5,887.27	288.08	21.436					
10,800.00	7,246.10	7,272.10	7,272.10	112.64	252.15	89.41	1,443.72	-8,427.52	6,076.60	5,788.15	288.45	21.066					
10,900.00	7,246.27	7,272.27	7,272.27	115.37	252.15	89.42	1,443.72	-8,427.52	5,977.90	5,689.06	288.85	20.696					
11,000.00	7,246.43	7,272.43	7,272.43	118.10	252.16	89.43	1,443.72	-8,427.52	5,879.24	5,589.98	289.26	20.325					
11,100.00	7,246.60	7,272.60	7,272.60	120.84	252.16	89.44	1,443.72	-8,427.52	5,780.63	5,490.92	289.71	19.953					
11,200.00	7,246.77	7,272.77	7,272.77	123.58	252.17	89.45	1,443.72	-8,427.52	5,682.07	5,391.89	290.18	19.581					
11,300.00	7,246.93	7,272.93	7,272.93	126.34	252.17	89.46	1,443.72	-8,427.52	5,583.56	5,292.88	290.68	19.208					
11,340.34	7,247.00	7,273.00	7,273.00	127.45	252.18	89.46	1,443.72	-8,427.52	5,543.84	5,252.94	290.89	19.058					
11,400.00	7,247.10	7,273.10	7,273.10	129.09	252.18	89.51	1,443.72	-8,427.52	5,485.22	5,193.98	291.23	18.835					
11,500.00	7,247.27	7,273.27	7,273.27	131.84	252.19	89.58	1,443.72	-8,427.52	5,387.58	5,095.68	291.91	18.456					
11,586.15	7,247.43	7,273.43	7,273.43	134.20	252.19	89.62	1,443.72	-8,427.52	5,304.21	5,011.60	292.61	18.127					
11,600.00	7,247.45	7,273.45	7,273.45	134.57	252.19	89.63	1,443.72	-8,427.52	5,290.87	4,998.14	292.73	18.074					
11,700.00	7,247.64	7,273.64	7,273.64	137.31	252.20	89.63	1,443.72	-8,427.52	5,194.61	4,900.96	293.66	17.689					
11,800.00	7,247.82	7,273.82	7,273.82	140.05	252.21	89.64	1,443.72	-8,427.52	5,098.51	4,803.86	294.64	17.304					
11,900.00	7,248.00	7,274.00	7,274.00	142.79	252.21	89.65	1,443.72	-8,427.52	5,002.55	4,706.85	295.70	16.918					
12,000.00	7,248.18	7,274.18	7,274.18	145.53	252.22	89.65	1,443.72	-8,427.52	4,906.76	4,609.93	296.83	16.531					
12,100.00	7,248.37	7,274.37	7,274.37	148.28	252.22	89.66	1,443.72	-8,427.52	4,811.14	4,513.11	298.03	16.143					
12,200.00	7,248.55	7,274.55	7,274.55	151.04	252.23	89.67	1,443.72	-8,427.52	4,715.70	4,416.39	299.31	15.755					
12,300.00	7,248.73	7,274.73	7,274.73	153.80	252.24	89.68	1,443.72	-8,427.52	4,620.45	4,319.78	300.67	15.367					
12,400.00	7,248.91	7,274.91	7,274.91	156.56	252.24	89.68	1,443.72	-8,427.52	4,525.41	4,223.30	302.11	14.979					
12,500.00	7,249.10	7,275.10	7,275.10	159.32	252.25	89.69	1,443.72	-8,427.52	4,430.58	4,126.94	303.65	14.591					
12,600.00	7,249.28	7,275.28	7,275.28	162.09	252.26	89.70	1,443.72	-8,427.52	4,335.99	4,030.72	305.28	14.203					
12,700.00	7,249.46	7,275.46	7,275.46	164.86	252.26	89.71	1,443.72	-8,427.52	4,241.65	3,934.64	307.01	13.816					
12,800.00	7,249.64	7,275.64	7,275.64	167.63	252.27	89.71	1,443.72	-8,427.52	4,147.57	3,838.73	308.84	13.429					
12,900.00	7,249.83	7,275.83	7,275.83	170.40	252.28	89.72	1,443.72	-8,427.52	4,053.78	3,742.99	310.79	13.044					
13,000.00	7,250.01	7,276.01	7,276.01	173.18	252.28	89.73	1,443.72	-8,427.52	3,960.29	3,647.44	312.85	12.659					
13,100.00	7,250.19	7,276.19	7,276.19	175.96	252.29	89.74	1,443.72	-8,427.52	3,867.12	3,552.08	315.04	12.275					
13,200.00	7,250.37	7,276.37	7,276.37	178.74	252.29	89.74	1,443.72	-8,427.52	3,774.30	3,456.95	317.35	11.893					
13,300.00	7,250.56	7,276.56	7,276.56	181.52	252.30	89.75	1,443.72	-8,427.52	3,681.86	3,362.06	319.81	11.513					
13,400.00	7,250.74	7,276.74	7,276.74	184.31	252.31	89.76	1,443.72	-8,427.52	3,589.83	3,267.42	322.41	11.134					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,500.00	7,250.92	7,276.92	7,276.92	187.09	252.31	89.77	1,443.72	-8,427.52	3,498.23	3,173.07	325.17	10.758		
13,600.00	7,251.10	7,277.10	7,277.10	189.88	252.32	89.77	1,443.72	-8,427.52	3,407.11	3,079.02	328.09	10.385		
13,700.00	7,251.29	7,277.29	7,277.29	192.67	252.33	89.78	1,443.72	-8,427.52	3,316.50	2,985.30	331.19	10.014		
13,800.00	7,251.47	7,277.47	7,277.47	195.47	252.33	89.79	1,443.72	-8,427.52	3,226.44	2,891.96	334.48	9.646		
13,900.00	7,251.65	7,277.65	7,277.65	198.26	252.34	89.79	1,443.72	-8,427.52	3,136.98	2,799.02	337.97	9.282		
14,000.00	7,251.83	7,277.83	7,277.83	201.05	252.35	89.80	1,443.72	-8,427.52	3,048.18	2,706.52	341.66	8.922		
14,100.00	7,252.01	7,278.01	7,278.01	203.85	252.35	89.81	1,443.72	-8,427.52	2,960.10	2,614.51	345.59	8.565		
14,200.00	7,252.20	7,278.20	7,278.20	206.65	252.36	89.82	1,443.72	-8,427.52	2,872.79	2,523.04	349.75	8.214		
14,300.00	7,252.38	7,278.38	7,278.38	209.45	252.36	89.82	1,443.72	-8,427.52	2,786.34	2,432.16	354.17	7.867		
14,400.00	7,252.56	7,278.56	7,278.56	212.25	252.37	89.83	1,443.72	-8,427.52	2,700.82	2,341.95	358.87	7.526		
14,500.00	7,252.74	7,278.74	7,278.74	215.05	252.38	89.84	1,443.72	-8,427.52	2,616.33	2,252.48	363.85	7.191		
14,600.00	7,252.93	7,278.93	7,278.93	217.86	252.38	89.85	1,443.72	-8,427.52	2,532.97	2,163.83	369.14	6.862		
14,700.00	7,253.11	7,279.11	7,279.11	220.66	252.39	89.85	1,443.72	-8,427.52	2,450.86	2,076.11	374.75	6.540		
14,800.00	7,253.29	7,279.29	7,279.29	223.47	252.40	89.86	1,443.72	-8,427.52	2,370.12	1,989.41	380.70	6.226		
14,900.00	7,253.47	7,279.47	7,279.47	226.27	252.40	89.87	1,443.72	-8,427.52	2,290.90	1,903.88	387.01	5.919		
15,000.00	7,253.66	7,279.66	7,279.66	229.08	252.41	89.88	1,443.72	-8,427.52	2,213.36	1,819.67	393.69	5.622		
15,100.00	7,253.84	7,279.84	7,279.84	231.89	252.42	89.88	1,443.72	-8,427.52	2,137.69	1,736.94	400.75	5.334		
15,200.00	7,254.02	7,280.02	7,280.02	234.70	252.42	89.89	1,443.72	-8,427.52	2,064.09	1,655.90	408.20	5.057		
15,300.00	7,254.20	7,280.20	7,280.20	237.51	252.43	89.90	1,443.72	-8,427.52	1,992.79	1,576.76	416.03	4.790		
15,400.00	7,254.39	7,280.39	7,280.39	240.32	252.43	89.90	1,443.72	-8,427.52	1,924.05	1,499.81	424.24	4.535		
15,500.00	7,254.57	7,280.57	7,280.57	243.13	252.44	89.91	1,443.72	-8,427.52	1,858.15	1,425.34	432.81	4.293		
15,600.00	7,254.75	7,280.75	7,280.75	245.94	252.45	89.92	1,443.72	-8,427.52	1,795.41	1,353.71	441.70	4.065		
15,700.00	7,254.93	7,280.93	7,280.93	248.76	252.45	89.93	1,443.72	-8,427.52	1,736.16	1,285.29	450.86	3.851		
15,800.00	7,255.12	7,281.12	7,281.12	251.57	252.46	89.93	1,443.72	-8,427.52	1,680.77	1,220.55	460.22	3.652		
15,900.00	7,255.30	7,281.30	7,281.30	254.39	252.47	89.94	1,443.72	-8,427.52	1,629.65	1,159.98	469.67	3.470		
16,000.00	7,255.48	7,281.48	7,281.48	257.20	252.47	89.95	1,443.72	-8,427.52	1,583.20	1,104.11	479.09	3.305		
16,100.00	7,255.66	7,281.66	7,281.66	260.02	252.48	89.96	1,443.72	-8,427.52	1,541.84	1,053.52	488.32	3.157		
16,200.00	7,255.85	7,281.85	7,281.85	262.84	252.49	89.96	1,443.72	-8,427.52	1,505.99	1,008.81	497.18	3.029		
16,300.00	7,256.03	7,282.03	7,282.03	265.65	252.49	89.97	1,443.72	-8,427.52	1,476.07	970.58	505.49	2.920		
16,400.00	7,256.21	7,282.21	7,282.21	268.47	252.50	89.98	1,443.72	-8,427.52	1,452.42	939.39	513.03	2.831		
16,500.00	7,256.39	7,282.39	7,282.39	271.29	252.50	89.99	1,443.72	-8,427.52	1,435.37	915.75	519.62	2.762		
16,600.00	7,256.58	7,282.58	7,282.58	274.11	252.51	89.99	1,443.72	-8,427.52	1,425.14	900.07	525.07	2.714		
16,696.23	7,256.75	7,282.75	7,282.75	276.83	252.52	90.00	1,443.72	-8,427.52	1,421.89	892.76	529.13	2.687 CC		
16,700.00	7,256.76	7,282.76	7,282.76	276.93	252.52	90.00	1,443.72	-8,427.52	1,421.90	892.63	529.27	2.687 ES		
16,800.00	7,256.94	7,282.94	7,282.94	279.75	252.52	90.01	1,443.72	-8,427.52	1,425.67	893.55	532.12	2.679 SF		
16,900.00	7,257.12	7,283.12	7,283.12	282.57	252.53	90.01	1,443.72	-8,427.52	1,436.42	902.81	533.61	2.692		
17,000.00	7,257.30	7,283.30	7,283.30	285.40	252.54	90.02	1,443.72	-8,427.52	1,453.98	920.20	533.77	2.724		
17,100.00	7,257.49	7,283.49	7,283.49	288.22	252.54	90.03	1,443.72	-8,427.52	1,478.11	945.40	532.71	2.775		
17,200.00	7,257.67	7,283.67	7,283.67	291.04	252.55	90.04	1,443.72	-8,427.52	1,508.49	977.96	530.54	2.843		
17,300.00	7,257.85	7,283.85	7,283.85	293.87	252.56	90.04	1,443.72	-8,427.52	1,544.77	1,017.35	527.42	2.929		
17,400.00	7,258.03	7,284.03	7,284.03	296.69	252.56	90.05	1,443.72	-8,427.52	1,586.52	1,063.00	523.52	3.030		
17,500.00	7,258.22	7,284.22	7,284.22	299.51	252.57	90.06	1,443.72	-8,427.52	1,633.34	1,114.33	519.02	3.147		
17,600.00	7,258.40	7,284.40	7,284.40	302.34	252.57	90.07	1,443.72	-8,427.52	1,684.80	1,170.75	514.06	3.277		
17,700.00	7,258.58	7,284.58	7,284.58	305.16	252.58	90.07	1,443.72	-8,427.52	1,740.49	1,231.71	508.79	3.421		
17,800.00	7,258.76	7,284.76	7,284.76	307.99	252.59	90.08	1,443.72	-8,427.52	1,800.02	1,296.70	503.32	3.576		
17,900.00	7,258.95	7,284.95	7,284.95	310.82	252.59	90.09	1,443.72	-8,427.52	1,863.02	1,365.25	497.76	3.743		
18,000.00	7,259.13	7,285.13	7,285.13	313.64	252.60	90.10	1,443.72	-8,427.52	1,929.14	1,436.95	492.19	3.919		
18,100.00	7,259.31	7,285.31	7,285.31	316.47	252.61	90.10	1,443.72	-8,427.52	1,998.08	1,511.41	486.67	4.106		
18,200.00	7,259.49	7,285.49	7,285.49	319.30	252.61	90.11	1,443.72	-8,427.52	2,069.56	1,588.31	481.26	4.300		
18,300.00	7,259.68	7,285.68	7,285.68	322.12	252.62	90.12	1,443.72	-8,427.52	2,143.32	1,667.35	475.97	4.503		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,285.86	7,285.86	324.95	252.63	90.13	1,443.72	-8,427.52	2,219.14	1,748.29	470.85	4.713		
18,500.00	7,260.04	7,286.04	7,286.04	327.78	252.63	90.13	1,443.72	-8,427.52	2,296.81	1,830.90	465.91	4.930		
18,600.00	7,260.22	7,286.22	7,286.22	330.61	252.64	90.14	1,443.72	-8,427.52	2,376.15	1,915.00	461.15	5.153		
18,700.00	7,260.41	7,286.41	7,286.41	333.44	252.64	90.15	1,443.72	-8,427.52	2,457.00	2,000.41	456.59	5.381		
18,800.00	7,260.59	7,286.59	7,286.59	336.27	252.65	90.15	1,443.72	-8,427.52	2,539.21	2,086.99	452.22	5.615		
18,900.00	7,260.77	7,286.77	7,286.77	339.10	252.66	90.16	1,443.72	-8,427.52	2,622.66	2,174.62	448.04	5.854		
19,000.00	7,260.95	7,286.95	7,286.95	341.93	252.66	90.17	1,443.72	-8,427.52	2,707.23	2,263.18	444.05	6.097		
19,025.91	7,261.00	7,287.00	7,287.00	342.66	252.67	90.17	1,443.72	-8,427.52	2,729.32	2,286.27	443.05	6.160		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-167.40	-2,771.27	-619.67	2,839.72					
100.00	100.00	83.22	83.22	3.28	3.28	-167.40	-2,771.39	-619.68	2,839.83	2,833.26	6.57	432.269		
200.00	200.00	188.30	188.30	3.34	3.33	-167.40	-2,771.65	-619.59	2,840.06	2,833.39	6.67	425.788		
300.00	299.98	282.17	282.17	3.44	3.43	101.91	-2,771.85	-619.43	2,840.60	2,833.73	6.87	413.486		
400.00	399.84	381.42	381.42	3.60	3.57	101.98	-2,772.18	-619.52	2,842.03	2,834.85	7.17	396.294		
500.00	499.45	483.76	483.76	3.81	3.77	102.12	-2,772.45	-619.70	2,844.14	2,836.57	7.57	375.701		
600.00	598.70	582.00	582.00	4.05	3.99	102.30	-2,772.67	-619.79	2,846.98	2,838.94	8.04	354.034		
700.00	697.47	692.50	692.50	4.34	4.28	102.57	-2,772.80	-619.71	2,850.50	2,841.88	8.62	330.844		
800.00	795.62	783.04	783.04	4.66	4.54	102.83	-2,772.78	-619.67	2,854.74	2,845.54	9.20	310.298		
849.22	843.68	828.53	828.53	4.84	4.68	102.97	-2,772.84	-619.78	2,857.26	2,847.75	9.51	300.422		
900.00	893.16	876.69	876.69	5.02	4.83	103.18	-2,772.93	-619.89	2,860.03	2,850.18	9.85	290.418		
1,000.00	990.60	990.08	990.08	5.41	5.19	103.68	-2,772.98	-619.93	2,865.44	2,854.83	10.60	270.217		
1,100.00	1,088.05	1,078.41	1,078.41	5.83	5.49	104.07	-2,772.83	-619.85	2,870.77	2,859.46	11.31	253.764		
1,200.00	1,185.49	1,172.89	1,172.89	6.26	5.82	104.48	-2,772.92	-619.93	2,876.56	2,864.49	12.07	238.315		
1,300.00	1,282.93	1,268.36	1,268.36	6.70	6.16	104.89	-2,773.06	-619.96	2,882.55	2,869.70	12.85	224.242		
1,400.00	1,380.37	1,367.25	1,367.25	7.15	6.52	105.32	-2,773.27	-619.93	2,888.74	2,875.07	13.67	211.318		
1,500.00	1,477.82	1,465.47	1,465.46	7.62	6.89	105.74	-2,773.42	-619.82	2,895.02	2,880.52	14.50	199.673		
1,600.00	1,575.26	1,564.53	1,564.53	8.09	7.26	106.16	-2,773.55	-619.72	2,901.45	2,886.10	15.34	189.097		
1,700.00	1,672.70	1,661.00	1,660.99	8.57	7.63	106.56	-2,773.68	-619.48	2,907.98	2,891.79	16.19	179.627		
1,800.00	1,770.15	1,758.54	1,758.54	9.05	8.01	106.98	-2,773.76	-619.60	2,914.74	2,897.69	17.05	170.976		
1,900.00	1,867.59	1,863.14	1,863.14	9.54	8.42	107.42	-2,773.81	-619.43	2,921.54	2,903.60	17.94	162.832		
2,000.00	1,965.03	1,954.09	1,954.09	10.03	8.78	107.80	-2,773.66	-619.47	2,928.35	2,909.57	18.79	155.867		
2,100.00	2,062.48	2,043.77	2,043.76	10.53	9.14	108.18	-2,773.82	-619.75	2,935.73	2,916.10	19.63	149.525		
2,200.00	2,159.92	2,147.58	2,147.57	11.03	9.55	108.62	-2,773.96	-620.18	2,943.26	2,922.72	20.54	143.266		
2,300.00	2,257.36	2,251.44	2,251.44	11.53	9.97	109.06	-2,773.79	-620.52	2,950.64	2,929.19	21.46	137.506		
2,400.00	2,354.81	2,354.71	2,354.71	12.03	10.39	109.49	-2,773.55	-620.69	2,958.07	2,935.69	22.37	132.214		
2,500.00	2,452.25	2,456.22	2,456.21	12.54	10.80	109.90	-2,773.17	-620.50	2,965.39	2,942.11	23.28	127.358		
2,600.00	2,549.69	2,554.07	2,554.06	13.04	11.19	110.30	-2,772.80	-620.27	2,972.85	2,948.67	24.18	122.937		
2,700.00	2,647.13	2,649.55	2,649.53	13.55	11.58	110.69	-2,772.43	-620.07	2,980.45	2,955.37	25.07	118.874		
2,800.00	2,744.58	2,740.85	2,740.84	14.06	11.96	111.05	-2,772.29	-619.70	2,988.34	2,962.39	25.95	115.171		
2,900.00	2,842.02	2,835.24	2,835.23	14.57	12.35	111.43	-2,772.31	-619.47	2,996.59	2,969.75	26.84	111.659		
3,000.00	2,939.46	2,937.01	2,937.00	15.09	12.77	111.84	-2,772.09	-619.57	3,004.89	2,977.13	27.76	108.242		
3,100.00	3,036.91	3,032.28	3,032.26	15.60	13.16	112.22	-2,771.79	-619.74	3,013.29	2,984.63	28.66	105.149		
3,200.00	3,134.35	3,122.13	3,122.12	16.11	13.53	112.58	-2,771.79	-619.72	3,022.03	2,992.50	29.53	102.334		
3,300.00	3,231.79	3,214.04	3,214.03	16.63	13.91	112.94	-2,771.93	-619.86	3,031.12	3,000.71	30.41	99.659		
3,400.00	3,329.24	3,309.33	3,309.32	17.14	14.31	113.31	-2,772.26	-619.88	3,040.47	3,009.16	31.31	97.093		
3,500.00	3,426.68	3,405.58	3,405.57	17.66	14.71	113.68	-2,772.71	-619.78	3,050.01	3,017.79	32.22	94.661		
3,600.00	3,524.12	3,498.95	3,498.93	18.18	15.10	114.04	-2,773.21	-619.73	3,059.77	3,026.66	33.11	92.405		
3,700.00	3,621.57	3,591.34	3,591.33	18.69	15.49	114.39	-2,773.84	-619.74	3,069.81	3,035.81	34.00	90.285		
3,800.00	3,719.01	3,686.17	3,686.15	19.21	15.88	114.75	-2,774.58	-619.80	3,080.10	3,045.20	34.90	88.252		
3,900.00	3,816.45	3,785.94	3,785.92	19.73	16.30	115.12	-2,775.38	-619.88	3,090.54	3,054.71	35.83	86.267		
4,000.00	3,913.90	3,884.61	3,884.59	20.25	16.72	115.49	-2,776.12	-619.88	3,101.03	3,064.29	36.74	84.395		
4,100.00	4,011.34	3,976.47	3,976.44	20.77	17.10	115.83	-2,776.89	-619.83	3,111.70	3,074.07	37.63	82.689		
4,200.00	4,108.78	4,071.20	4,071.16	21.29	17.50	116.17	-2,777.84	-619.84	3,122.67	3,084.13	38.53	81.041		
4,300.00	4,206.22	4,169.30	4,169.26	21.81	17.91	116.53	-2,778.91	-619.73	3,133.77	3,094.33	39.45	79.439		
4,400.00	4,303.67	4,264.21	4,264.16	22.33	18.31	116.86	-2,780.04	-619.45	3,145.00	3,104.65	40.35	77.942		
4,500.00	4,401.11	4,365.13	4,365.07	22.85	18.74	117.22	-2,781.21	-619.32	3,156.40	3,115.12	41.28	76.460		
4,600.00	4,498.55	4,461.94	4,461.88	23.37	19.15	117.57	-2,782.06	-619.41	3,167.78	3,125.59	42.19	75.079		
4,700.00	4,596.00	4,558.81	4,558.75	23.89	19.56	117.92	-2,782.73	-620.03	3,179.38	3,136.28	43.10	73.761		
4,800.00	4,693.44	4,657.45	4,657.38	24.41	19.97	118.28	-2,783.43	-620.51	3,191.05	3,147.02	44.02	72.484		
4,900.00	4,790.88	4,760.57	4,760.50	24.93	20.41	118.64	-2,784.26	-620.70	3,202.77	3,157.81	44.97	71.226		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,861.66	4,861.58	25.46	20.84	118.98	-2,785.18	-620.28	3,214.40	3,168.50	45.90	70.033		
5,100.00	4,985.77	4,962.13	4,962.05	25.98	21.26	119.32	-2,786.07	-619.81	3,226.09	3,179.27	46.83	68.893		
5,200.00	5,083.21	5,064.78	5,064.70	26.50	21.70	119.67	-2,786.72	-619.47	3,237.75	3,189.99	47.77	67.782		
5,300.00	5,180.66	5,162.14	5,162.05	27.02	22.11	120.00	-2,787.17	-619.23	3,249.42	3,200.74	48.68	66.751		
5,400.00	5,278.10	5,259.43	5,259.35	27.55	22.52	120.33	-2,787.59	-619.14	3,261.25	3,211.65	49.59	65.761		
5,500.00	5,375.54	5,358.84	5,358.76	28.07	22.94	120.66	-2,787.94	-619.08	3,273.14	3,222.63	50.52	64.794		
5,582.90	5,456.32	5,438.08	5,437.99	28.50	23.28	120.93	-2,788.17	-619.06	3,283.06	3,231.80	51.26	64.041		
5,600.00	5,473.00	5,453.75	5,453.67	28.59	23.35	121.02	-2,788.22	-619.06	3,285.10	3,233.69	51.42	63.893		
5,700.00	5,570.93	5,548.75	5,548.66	29.10	23.75	121.49	-2,788.61	-619.13	3,296.12	3,243.81	52.30	63.022		
5,800.00	5,669.52	5,645.76	5,645.67	29.57	24.16	121.89	-2,788.98	-619.29	3,305.42	3,252.25	53.17	62.161		
5,900.00	5,768.62	5,741.46	5,741.37	30.03	24.57	122.21	-2,789.33	-619.64	3,313.03	3,259.00	54.02	61.328		
6,000.00	5,868.13	5,839.96	5,839.87	30.45	24.98	122.45	-2,789.65	-620.21	3,318.89	3,264.03	54.86	60.494		
6,100.00	5,967.93	5,941.73	5,941.63	30.86	25.42	122.63	-2,789.77	-621.03	3,322.86	3,267.15	55.70	59.652		
6,200.00	6,067.88	6,039.71	6,039.61	31.24	25.83	122.72	-2,789.61	-622.21	3,324.93	3,268.42	56.51	58.841		
6,232.12	6,100.00	6,070.02	6,069.92	31.36	25.96	-146.55	-2,789.55	-622.63	3,325.22	3,268.47	56.75	58.591		
6,300.00	6,167.88	6,137.65	6,137.53	31.61	26.25	-146.54	-2,789.43	-623.63	3,325.67	3,268.39	57.29	58.054		
6,400.00	6,267.88	6,241.40	6,241.27	31.97	26.69	-146.51	-2,789.05	-625.29	3,326.26	3,268.16	58.09	57.257		
6,500.00	6,367.88	6,341.14	6,340.99	32.34	27.11	-146.48	-2,788.58	-626.92	3,326.76	3,267.88	58.88	56.498		
6,600.00	6,467.88	6,438.11	6,437.95	32.70	27.52	-146.45	-2,788.09	-628.71	3,327.36	3,267.70	59.66	55.773		
6,700.00	6,567.88	6,541.32	6,541.13	33.07	27.96	-146.42	-2,787.53	-630.70	3,327.97	3,267.51	60.47	55.036		
6,736.50	6,604.38	6,581.22	6,581.03	33.21	28.13	-146.41	-2,787.28	-631.43	3,328.15	3,267.37	60.78	54.760		
6,750.00	6,617.88	6,595.98	6,595.79	33.25	28.19	-59.31	-2,787.18	-631.68	3,328.13	3,267.24	60.89	54.659		
6,800.00	6,667.77	6,648.89	6,648.70	33.43	28.41	-59.45	-2,786.82	-632.56	3,326.76	3,265.48	61.29	54.280		
6,850.00	6,717.28	6,701.49	6,701.28	33.60	28.64	-59.81	-2,786.47	-633.34	3,323.37	3,261.68	61.69	53.873		
6,900.00	6,766.09	6,759.79	6,759.57	33.79	28.88	-60.41	-2,786.00	-634.12	3,317.92	3,255.80	62.12	53.408		
6,950.00	6,813.90	6,817.77	6,817.55	33.99	29.13	-61.25	-2,785.39	-634.82	3,310.45	3,247.89	62.56	52.913		
7,000.00	6,860.42	6,876.20	6,875.97	34.20	29.38	-62.32	-2,784.56	-635.50	3,301.02	3,238.00	63.02	52.383		
7,050.00	6,905.36	6,927.08	6,926.84	34.42	29.59	-63.59	-2,783.64	-636.10	3,289.75	3,226.30	63.44	51.853		
7,100.00	6,948.45	6,972.13	6,971.87	34.67	29.78	-65.02	-2,782.70	-636.78	3,276.86	3,213.01	63.86	51.314		
7,150.00	6,989.41	7,017.09	7,016.82	34.94	29.97	-66.66	-2,781.63	-637.62	3,262.52	3,198.22	64.29	50.743		
7,200.00	7,028.00	7,062.96	7,062.66	35.24	30.17	-68.52	-2,780.37	-638.59	3,246.82	3,182.06	64.76	50.138		
7,250.00	7,063.98	7,106.04	7,105.71	35.56	30.35	-70.53	-2,779.03	-639.60	3,229.92	3,164.68	65.24	49.512		
7,300.00	7,097.13	7,139.26	7,138.90	35.92	30.50	-72.60	-2,777.95	-640.41	3,212.06	3,146.36	65.70	48.888		
7,350.00	7,127.23	7,170.38	7,169.99	36.32	30.63	-74.77	-2,776.94	-641.17	3,193.45	3,127.26	66.20	48.242		
7,400.00	7,154.12	7,198.34	7,197.93	36.75	30.76	-77.02	-2,776.03	-641.86	3,174.29	3,107.57	66.72	47.580		
7,450.00	7,177.61	7,222.97	7,222.53	37.22	30.86	-79.30	-2,775.23	-642.46	3,154.76	3,087.50	67.26	46.904		
7,500.00	7,197.57	7,244.10	7,243.65	37.73	30.96	-81.57	-2,774.54	-642.97	3,135.07	3,067.23	67.83	46.217		
7,550.00	7,213.88	7,261.62	7,261.15	38.28	31.03	-83.80	-2,773.97	-643.40	3,115.39	3,046.96	68.43	45.523		
7,600.00	7,226.42	7,275.42	7,274.94	38.87	31.09	-85.96	-2,773.53	-643.74	3,095.93	3,026.87	69.06	44.829		
7,650.00	7,235.13	7,285.40	7,284.91	39.48	31.14	-88.01	-2,773.20	-643.98	3,076.86	3,007.15	69.71	44.139		
7,700.00	7,239.95	7,291.51	7,291.02	40.12	31.16	-89.92	-2,773.00	-644.13	3,058.33	2,987.96	70.37	43.459		
7,735.44	7,241.00	7,293.48	7,292.98	40.59	31.17	-91.19	-2,772.94	-644.18	3,045.61	2,974.76	70.85	42.987		
7,800.00	7,241.11	7,295.26	7,294.77	41.47	31.18	-91.23	-2,772.88	-644.22	3,023.39	2,951.64	71.76	42.133		
7,900.00	7,241.27	7,298.03	7,297.54	42.96	31.19	-91.28	-2,772.79	-644.29	2,991.41	2,918.09	73.31	40.804		
8,000.00	7,241.44	7,300.80	7,300.30	44.59	31.20	-91.34	-2,772.70	-644.36	2,962.45	2,887.42	75.02	39.486		
8,100.00	7,241.61	7,303.57	7,303.07	46.34	31.22	-91.39	-2,772.61	-644.42	2,936.61	2,859.73	76.88	38.197		
8,200.00	7,241.77	7,306.34	7,305.83	48.20	31.23	-91.45	-2,772.52	-644.49	2,913.97	2,835.11	78.86	36.950		
8,300.00	7,241.94	7,309.11	7,308.60	50.16	31.24	-91.50	-2,772.43	-644.56	2,894.60	2,813.66	80.95	35.759		
8,400.00	7,242.11	7,311.88	7,311.37	52.20	31.25	-91.56	-2,772.34	-644.63	2,878.59	2,795.46	83.12	34.632		
8,500.00	7,242.27	7,314.64	7,314.13	54.31	31.26	-91.62	-2,772.25	-644.69	2,865.97	2,780.61	85.36	33.575		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
8,600.00	7,242.44	7,317.41	7,316.90	56.49	31.28	-91.67	-2,772.16	-644.76	2,856.79	2,769.14	87.64	32.595					
8,700.00	7,242.60	7,320.18	7,319.66	58.73	31.29	-91.73	-2,772.07	-644.83	2,851.09	2,761.13	89.96	31.694					
8,800.00	7,242.77	7,322.95	7,322.43	61.03	31.30	-91.78	-2,771.98	-644.90	2,848.89	2,756.61	92.28	30.872					
8,812.77	7,242.79	7,323.30	7,322.78	61.33	31.30	-91.79	-2,771.97	-644.90	2,848.86	2,756.28	92.58	30.772					
8,900.00	7,242.94	7,325.72	7,325.20	63.37	31.31	-91.84	-2,771.89	-644.96	2,850.20	2,755.60	94.60	30.129	ES				
9,000.00	7,243.10	7,328.49	7,327.96	65.75	31.33	-91.89	-2,771.80	-645.03	2,855.00	2,758.11	96.89	29.465					
9,100.00	7,243.27	7,331.25	7,330.73	68.18	31.34	-91.95	-2,771.71	-645.10	2,863.29	2,764.14	99.15	28.878					
9,200.00	7,243.44	7,334.02	7,333.50	70.63	31.35	-92.01	-2,771.62	-645.17	2,875.04	2,773.68	101.36	28.364					
9,300.00	7,243.60	7,336.79	7,336.26	73.12	31.36	-92.06	-2,771.53	-645.23	2,890.19	2,786.68	103.51	27.921					
9,400.00	7,243.77	7,339.56	7,339.03	75.63	31.37	-92.12	-2,771.44	-645.30	2,908.71	2,803.12	105.59	27.547					
9,500.00	7,243.94	7,342.33	7,341.79	78.17	31.39	-92.17	-2,771.35	-645.37	2,930.52	2,822.92	107.59	27.237					
9,600.00	7,244.10	7,345.10	7,344.56	80.73	31.40	-92.23	-2,771.26	-645.44	2,955.55	2,846.04	109.51	26.988					
9,700.00	7,244.27	7,347.86	7,347.33	83.31	31.41	-92.28	-2,771.17	-645.50	2,983.72	2,872.38	111.34	26.798					
9,800.00	7,244.44	7,350.63	7,350.09	85.91	31.42	-92.34	-2,771.08	-645.57	3,014.95	2,901.86	113.08	26.662					
9,900.00	7,244.60	7,353.40	7,352.86	88.53	31.43	-92.40	-2,770.99	-645.64	3,049.13	2,934.40	114.73	26.578					
10,000.00	7,244.77	7,356.17	7,355.62	91.16	31.45	-92.45	-2,770.90	-645.71	3,086.17	2,969.90	116.28	26.542	SF				
10,100.00	7,244.94	7,358.94	7,358.39	93.81	31.46	-92.51	-2,770.81	-645.77	3,125.97	3,008.24	117.73	26.552					
10,200.00	7,245.10	7,361.71	7,361.16	96.46	31.47	-92.56	-2,770.72	-645.84	3,168.43	3,049.34	119.09	26.605					
10,300.00	7,245.27	7,364.47	7,363.92	99.14	31.48	-92.62	-2,770.63	-645.91	3,213.44	3,093.07	120.36	26.697					
10,400.00	7,245.43	7,367.24	7,366.69	101.82	31.50	-92.67	-2,770.54	-645.98	3,260.89	3,139.34	121.55	26.828					
10,500.00	7,245.60	7,370.01	7,369.45	104.51	31.51	-92.73	-2,770.45	-646.04	3,310.68	3,188.03	122.64	26.994					
10,600.00	7,245.77	7,372.78	7,372.22	107.21	31.52	-92.78	-2,770.36	-646.11	3,362.70	3,239.04	123.66	27.193					
10,700.00	7,245.93	7,375.55	7,374.99	109.92	31.53	-92.84	-2,770.27	-646.18	3,416.86	3,292.26	124.60	27.423					
10,800.00	7,246.10	7,378.32	7,377.75	112.64	31.54	-92.90	-2,770.18	-646.25	3,473.05	3,347.59	125.46	27.683					
10,900.00	7,246.27	7,381.09	7,380.52	115.37	31.56	-92.95	-2,770.09	-646.31	3,531.18	3,404.93	126.25	27.969					
11,000.00	7,246.43	7,383.85	7,383.29	118.10	31.57	-93.01	-2,770.00	-646.38	3,591.15	3,464.17	126.98	28.281					
11,100.00	7,246.60	7,386.62	7,386.05	120.84	31.58	-93.06	-2,769.91	-646.45	3,652.87	3,525.22	127.64	28.618					
11,200.00	7,246.77	7,389.39	7,388.82	123.58	31.59	-93.12	-2,769.82	-646.52	3,716.25	3,588.00	128.25	28.977					
11,300.00	7,246.93	7,392.16	7,391.58	126.34	31.61	-93.17	-2,769.73	-646.59	3,781.22	3,652.42	128.80	29.357					
11,340.34	7,247.00	7,393.28	7,392.70	127.45	31.61	-93.20	-2,769.69	-646.61	3,807.85	3,678.84	129.01	29.516					
11,400.00	7,247.10	7,394.91	7,394.33	129.09	31.62	-93.17	-2,769.64	-646.65	3,847.22	3,717.92	129.30	29.753					
11,500.00	7,247.27	7,397.56	7,396.98	131.84	31.63	-93.13	-2,769.56	-646.72	3,912.28	3,782.52	129.76	30.149					
11,586.15	7,247.43	7,399.76	7,399.18	134.20	31.64	-93.09	-2,769.48	-646.77	3,967.39	3,837.27	130.12	30.489					
11,600.00	7,247.45	7,400.11	7,399.53	134.57	31.64	-93.10	-2,769.47	-646.78	3,976.20	3,846.02	130.18	30.544					
11,700.00	7,247.64	7,402.62	7,402.03	137.31	31.65	-93.14	-2,769.39	-646.84	4,040.61	3,910.05	130.55	30.950					
11,800.00	7,247.82	7,405.12	7,404.54	140.05	31.66	-93.19	-2,769.31	-646.90	4,106.44	3,975.55	130.89	31.374					
11,900.00	7,248.00	7,407.63	7,407.04	142.79	31.67	-93.24	-2,769.23	-646.96	4,173.62	4,042.44	131.19	31.815					
12,000.00	7,248.18	7,410.14	7,409.55	145.53	31.68	-93.29	-2,769.15	-647.02	4,242.10	4,110.65	131.45	32.272					
12,100.00	7,248.37	7,412.65	7,412.05	148.28	31.70	-93.33	-2,769.06	-647.09	4,311.81	4,180.13	131.68	32.745					
12,200.00	7,248.55	7,415.15	7,414.56	151.04	31.71	-93.38	-2,768.98	-647.15	4,382.69	4,250.81	131.88	33.233					
12,300.00	7,248.73	7,417.66	7,417.06	153.80	31.72	-93.43	-2,768.90	-647.21	4,454.68	4,322.63	132.05	33.735					
12,400.00	7,248.91	7,420.17	7,419.57	156.56	31.73	-93.47	-2,768.82	-647.27	4,527.74	4,395.54	132.20	34.250					
12,500.00	7,249.10	7,422.67	7,422.07	159.32	31.74	-93.52	-2,768.74	-647.33	4,601.81	4,469.49	132.32	34.777					
12,600.00	7,249.28	7,425.18	7,424.58	162.09	31.75	-93.57	-2,768.66	-647.39	4,676.85	4,544.42	132.43	35.316					
12,700.00	7,249.46	7,427.69	7,427.08	164.86	31.76	-93.61	-2,768.58	-647.45	4,752.80	4,620.29	132.51	35.866					
12,800.00	7,249.64	7,430.20	7,429.59	167.63	31.77	-93.66	-2,768.49	-647.51	4,829.63	4,697.04	132.58	36.428					
12,900.00	7,249.83	7,432.70	7,432.10	170.40	31.78	-93.71	-2,768.41	-647.57	4,907.29	4,774.65	132.63	36.999					
13,000.00	7,250.01	7,435.21	7,434.60	173.18	31.79	-93.75	-2,768.33	-647.64	4,985.74	4,853.07	132.67	37.580					
13,100.00	7,250.19	7,437.72	7,437.11	175.96	31.81	-93.80	-2,768.25	-647.70	5,064.96	4,932.26	132.70	38.170					
13,200.00	7,250.37	7,440.23	7,439.61	178.74	31.82	-93.85	-2,768.17	-647.76	5,144.89	5,012.19	132.71	38.769					
13,300.00	7,250.56	7,442.73	7,442.12	181.52	31.83	-93.89	-2,768.09	-647.82	5,225.52	5,092.81	132.71	39.376					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,400.00	7,250.74	7,445.24	7,444.62	184.31	31.84	-93.94	-2,768.01	-647.88	5,306.80	5,174.10	132.70	39.990		
13,500.00	7,250.92	7,447.75	7,447.13	187.09	31.85	-93.99	-2,767.92	-647.94	5,388.72	5,256.03	132.69	40.613		
13,600.00	7,251.10	7,450.25	7,449.63	189.88	31.86	-94.03	-2,767.84	-648.00	5,471.23	5,338.57	132.66	41.242		
13,700.00	7,251.29	7,452.76	7,452.14	192.67	31.87	-94.08	-2,767.76	-648.06	5,554.32	5,421.69	132.63	41.879		
13,800.00	7,251.47	7,455.27	7,454.64	195.47	31.88	-94.13	-2,767.68	-648.13	5,637.95	5,505.36	132.59	42.521		
13,900.00	7,251.65	7,457.78	7,457.15	198.26	31.89	-94.17	-2,767.60	-648.19	5,722.11	5,589.56	132.55	43.170		
14,000.00	7,251.83	7,460.28	7,459.65	201.05	31.91	-94.22	-2,767.52	-648.25	5,806.77	5,674.27	132.50	43.825		
14,100.00	7,252.01	7,462.79	7,462.16	203.85	31.92	-94.27	-2,767.43	-648.31	5,891.91	5,759.47	132.45	44.485		
14,200.00	7,252.20	7,465.30	7,464.66	206.65	31.93	-94.31	-2,767.35	-648.37	5,977.51	5,845.12	132.39	45.151		
14,300.00	7,252.38	7,467.80	7,467.17	209.45	31.94	-94.36	-2,767.27	-648.43	6,063.55	5,931.22	132.33	45.822		
14,400.00	7,252.56	7,470.31	7,469.67	212.25	31.95	-94.41	-2,767.19	-648.49	6,150.01	6,017.74	132.27	46.498		
14,500.00	7,252.74	7,472.82	7,472.18	215.05	31.96	-94.45	-2,767.11	-648.55	6,236.87	6,104.67	132.20	47.178		
14,600.00	7,252.93	7,475.33	7,474.68	217.86	31.97	-94.50	-2,767.03	-648.61	6,324.13	6,191.99	132.13	47.862		
14,700.00	7,253.11	7,477.83	7,477.19	220.66	31.98	-94.55	-2,766.95	-648.68	6,411.75	6,279.69	132.06	48.551		
14,800.00	7,253.29	7,480.34	7,479.69	223.47	31.99	-94.60	-2,766.86	-648.74	6,499.73	6,367.74	131.99	49.244		
14,900.00	7,253.47	7,482.85	7,482.20	226.27	32.00	-94.64	-2,766.78	-648.80	6,588.05	6,456.13	131.92	49.940		
15,000.00	7,253.66	7,485.35	7,484.70	229.08	32.02	-94.69	-2,766.70	-648.86	6,676.70	6,544.85	131.84	50.641		
15,100.00	7,253.84	7,487.86	7,487.21	231.89	32.03	-94.74	-2,766.62	-648.92	6,765.66	6,633.89	131.77	51.344		
15,200.00	7,254.02	7,490.37	7,489.71	234.70	32.04	-94.78	-2,766.54	-648.98	6,854.93	6,723.24	131.70	52.051		
15,300.00	7,254.20	7,492.88	7,492.22	237.51	32.05	-94.83	-2,766.46	-649.04	6,944.49	6,812.87	131.62	52.762		
15,400.00	7,254.39	7,495.38	7,494.72	240.32	32.06	-94.88	-2,766.38	-649.10	7,034.33	6,902.79	131.55	53.475		
15,500.00	7,254.57	7,497.89	7,497.23	243.13	32.07	-94.92	-2,766.29	-649.17	7,124.44	6,992.97	131.47	54.191		
15,600.00	7,254.75	7,500.40	7,499.73	245.94	32.08	-94.97	-2,766.21	-649.23	7,214.81	7,083.42	131.39	54.909		
15,700.00	7,254.93	7,502.90	7,502.24	248.76	32.09	-95.02	-2,766.13	-649.29	7,305.43	7,174.11	131.32	55.631		
15,800.00	7,255.12	7,505.41	7,504.74	251.57	32.10	-95.06	-2,766.05	-649.35	7,396.29	7,265.05	131.25	56.355		
15,900.00	7,255.30	7,507.92	7,507.25	254.39	32.11	-95.11	-2,765.97	-649.41	7,487.39	7,356.21	131.17	57.081		
16,000.00	7,255.48	7,510.43	7,509.75	257.20	32.13	-95.16	-2,765.89	-649.47	7,578.70	7,447.60	131.10	57.809		
16,100.00	7,255.66	7,512.93	7,512.26	260.02	32.14	-95.20	-2,765.81	-649.53	7,670.24	7,539.21	131.03	58.540		
16,200.00	7,255.85	7,515.44	7,514.76	262.84	32.15	-95.25	-2,765.72	-649.59	7,761.98	7,631.02	130.95	59.272		
16,300.00	7,256.03	7,517.95	7,517.27	265.65	32.16	-95.30	-2,765.64	-649.65	7,853.92	7,723.03	130.88	60.007		
16,400.00	7,256.21	7,520.45	7,519.77	268.47	32.17	-95.34	-2,765.56	-649.72	7,946.05	7,815.24	130.81	60.743		
16,500.00	7,256.39	7,522.96	7,522.28	271.29	32.18	-95.39	-2,765.48	-649.78	8,038.38	7,907.63	130.75	61.481		
16,600.00	7,256.58	7,525.47	7,524.78	274.11	32.19	-95.44	-2,765.40	-649.84	8,130.88	8,000.20	130.68	62.221		
16,700.00	7,256.76	7,527.98	7,527.29	276.93	32.20	-95.48	-2,765.32	-649.90	8,223.56	8,092.95	130.61	62.962		
16,800.00	7,256.94	7,530.48	7,529.79	279.75	32.21	-95.53	-2,765.23	-649.96	8,316.41	8,185.86	130.55	63.705		
16,900.00	7,257.12	7,532.99	7,532.30	282.57	32.23	-95.58	-2,765.15	-650.02	8,409.42	8,278.93	130.48	64.449		
17,000.00	7,257.30	7,535.50	7,534.80	285.40	32.24	-95.62	-2,765.07	-650.08	8,502.58	8,372.16	130.42	65.194		
17,100.00	7,257.49	7,538.00	7,537.31	288.22	32.25	-95.67	-2,764.99	-650.14	8,595.91	8,465.55	130.36	65.941		
17,200.00	7,257.67	7,540.51	7,539.81	291.04	32.26	-95.72	-2,764.91	-650.21	8,689.37	8,559.08	130.30	66.689		
17,300.00	7,257.85	7,543.02	7,542.32	293.87	32.27	-95.76	-2,764.83	-650.27	8,782.99	8,652.75	130.24	67.438		
17,400.00	7,258.03	7,545.53	7,544.82	296.69	32.28	-95.81	-2,764.75	-650.33	8,876.74	8,746.56	130.18	68.188		
17,500.00	7,258.22	7,548.03	7,547.33	299.51	32.29	-95.86	-2,764.66	-650.39	8,970.62	8,840.50	130.12	68.939		
17,600.00	7,258.40	7,550.54	7,549.83	302.34	32.30	-95.90	-2,764.58	-650.45	9,064.64	8,934.57	130.07	69.691		
17,700.00	7,258.58	7,553.05	7,552.34	305.16	32.31	-95.95	-2,764.50	-650.51	9,158.78	9,028.76	130.02	70.444		
17,800.00	7,258.76	7,555.55	7,554.84	307.99	32.33	-96.00	-2,764.42	-650.57	9,253.04	9,123.08	129.96	71.197		
17,900.00	7,258.95	7,558.06	7,557.35	310.82	32.34	-96.04	-2,764.34	-650.63	9,347.42	9,217.51	129.91	71.952		
18,000.00	7,259.13	7,560.57	7,559.85	313.64	32.35	-96.09	-2,764.26	-650.69	9,441.92	9,312.06	129.86	72.707		
18,100.00	7,259.31	7,563.08	7,562.36	316.47	32.36	-96.14	-2,764.18	-650.76	9,536.53	9,406.71	129.82	73.462		
18,200.00	7,259.49	7,565.58	7,564.86	319.30	32.37	-96.18	-2,764.09	-650.82	9,631.25	9,501.48	129.77	74.219		
18,300.00	7,259.68	7,568.09	7,567.37	322.12	32.38	-96.23	-2,764.01	-650.88	9,726.07	9,596.34	129.72	74.975		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,570.60	7,569.87	324.95	32.39	-96.28	-2,763.93	-650.94	9,820.99	9,691.31	129.68	75.733		
18,500.00	7,260.04	7,573.10	7,572.38	327.78	32.40	-96.32	-2,763.85	-651.00	9,916.02	9,786.38	129.64	76.490		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-155.51	-3,840.82	-1,749.23	4,220.58					
100.00	100.00	60.00	60.00	3.28	3.44	-155.51	-3,840.82	-1,749.23	4,220.39	4,213.66	6.73	627.300		
200.00	200.00	160.00	160.00	3.34	5.05	-155.51	-3,840.82	-1,749.23	4,220.39	4,212.00	8.39	503.191		
300.00	299.98	259.98	259.98	3.44	8.03	113.78	-3,840.82	-1,749.23	4,221.09	4,209.62	11.47	367.907		
400.00	399.84	359.84	359.84	3.60	11.30	113.81	-3,840.82	-1,749.23	4,223.21	4,208.31	14.90	283.424		
500.00	499.45	459.45	459.45	3.81	14.67	113.85	-3,840.82	-1,749.23	4,226.74	4,208.27	18.47	228.884		
600.00	598.70	558.70	558.70	4.05	18.06	113.91	-3,840.82	-1,749.23	4,231.70	4,209.60	22.11	191.414		
700.00	697.47	657.47	657.47	4.34	21.46	113.99	-3,840.82	-1,749.23	4,238.12	4,212.33	25.79	164.301		
800.00	795.62	755.62	755.62	4.66	24.85	114.07	-3,840.82	-1,749.23	4,246.01	4,216.50	29.51	143.871		
849.22	843.68	803.68	803.68	4.84	26.51	114.12	-3,840.82	-1,749.23	4,250.45	4,219.10	31.35	135.579		
900.00	893.16	853.16	853.16	5.02	28.23	114.26	-3,840.82	-1,749.23	4,255.22	4,221.97	33.25	127.970		
1,000.00	990.60	950.60	950.60	5.41	31.61	114.53	-3,840.82	-1,749.23	4,264.70	4,227.68	37.02	115.202		
1,100.00	1,088.05	1,048.05	1,048.05	5.83	35.00	114.80	-3,840.82	-1,749.23	4,274.28	4,233.47	40.81	104.732		
1,200.00	1,185.49	1,145.49	1,145.49	6.26	38.38	115.06	-3,840.82	-1,749.23	4,283.95	4,239.33	44.62	96.002		
1,300.00	1,282.93	1,242.93	1,242.93	6.70	41.77	115.33	-3,840.82	-1,749.23	4,293.72	4,245.27	48.45	88.620		
1,400.00	1,380.37	1,340.37	1,340.37	7.15	45.17	115.59	-3,840.82	-1,749.23	4,303.59	4,251.30	52.29	82.301		
1,500.00	1,477.82	1,437.82	1,437.82	7.62	48.56	115.86	-3,840.82	-1,749.23	4,313.55	4,257.41	56.14	76.835		
1,600.00	1,575.26	1,535.26	1,535.26	8.09	51.95	116.12	-3,840.82	-1,749.23	4,323.60	4,263.60	60.00	72.061		
1,700.00	1,672.70	1,632.70	1,632.70	8.57	55.35	116.38	-3,840.82	-1,749.23	4,333.75	4,269.88	63.86	67.859		
1,800.00	1,770.15	1,730.15	1,730.15	9.05	58.75	116.64	-3,840.82	-1,749.23	4,343.98	4,276.25	67.74	64.132		
1,900.00	1,867.59	1,827.59	1,827.59	9.54	62.14	116.90	-3,840.82	-1,749.23	4,354.31	4,282.70	71.61	60.805		
2,000.00	1,965.03	1,925.03	1,925.03	10.03	65.54	117.16	-3,840.82	-1,749.23	4,364.74	4,289.25	75.49	57.818		
2,100.00	2,062.48	2,022.48	2,022.48	10.53	68.94	117.41	-3,840.82	-1,749.23	4,375.25	4,295.87	79.37	55.122		
2,200.00	2,159.92	2,119.92	2,119.92	11.03	72.34	117.67	-3,840.82	-1,749.23	4,385.85	4,302.59	83.26	52.677		
2,300.00	2,257.36	2,217.36	2,217.36	11.53	75.73	117.92	-3,840.82	-1,749.23	4,396.54	4,309.39	87.15	50.449		
2,400.00	2,354.81	2,314.81	2,314.81	12.03	79.13	118.18	-3,840.82	-1,749.23	4,407.32	4,316.28	91.04	48.411		
2,500.00	2,452.25	2,412.25	2,412.25	12.54	82.53	118.43	-3,840.82	-1,749.23	4,418.19	4,323.26	94.93	46.541		
2,600.00	2,549.69	2,509.69	2,509.69	13.04	85.93	118.68	-3,840.82	-1,749.23	4,429.14	4,330.32	98.83	44.818		
2,700.00	2,647.13	2,607.13	2,607.13	13.55	89.33	118.93	-3,840.82	-1,749.23	4,440.19	4,337.47	102.72	43.226		
2,800.00	2,744.58	2,704.58	2,704.58	14.06	92.73	119.18	-3,840.82	-1,749.23	4,451.31	4,344.70	106.62	41.750		
2,900.00	2,842.02	2,802.02	2,802.02	14.57	96.13	119.42	-3,840.82	-1,749.23	4,462.53	4,352.01	110.52	40.379		
3,000.00	2,939.46	2,900.54	2,899.46	15.09	99.57	119.67	-3,840.82	-1,749.23	4,473.83	4,359.37	114.45	39.089		
3,100.00	3,036.91	3,003.09	2,996.91	15.60	103.14	119.91	-3,840.82	-1,749.23	4,485.21	4,366.68	118.53	37.841		
3,200.00	3,134.35	3,105.65	3,094.35	16.11	106.72	120.16	-3,840.82	-1,749.23	4,496.67	4,374.07	122.61	36.676		
3,300.00	3,231.79	3,208.21	3,191.79	16.63	110.30	120.40	-3,840.82	-1,749.23	4,508.22	4,381.54	126.69	35.586		
3,400.00	3,329.24	3,289.24	3,289.24	17.14	113.13	120.64	-3,840.82	-1,749.23	4,519.85	4,389.84	130.01	34.765		
3,500.00	3,426.68	3,386.68	3,386.68	17.66	116.53	120.88	-3,840.82	-1,749.23	4,531.56	4,397.65	133.91	33.839		
3,600.00	3,524.12	3,484.12	3,484.12	18.18	119.93	121.12	-3,840.82	-1,749.23	4,543.36	4,405.54	137.82	32.967		
3,700.00	3,621.57	3,581.57	3,581.57	18.69	123.33	121.36	-3,840.82	-1,749.23	4,555.23	4,413.51	141.72	32.143		
3,800.00	3,719.01	3,679.01	3,679.01	19.21	126.73	121.59	-3,840.82	-1,749.23	4,567.18	4,421.56	145.62	31.364		
3,900.00	3,816.45	3,776.45	3,776.45	19.73	130.13	121.83	-3,840.82	-1,749.23	4,579.22	4,429.69	149.52	30.626		
4,000.00	3,913.90	3,873.90	3,873.90	20.25	133.53	122.06	-3,840.82	-1,749.23	4,591.33	4,437.90	153.42	29.926		
4,100.00	4,011.34	3,971.34	3,971.34	20.77	136.93	122.29	-3,840.82	-1,749.23	4,603.51	4,446.19	157.33	29.261		
4,200.00	4,108.78	4,068.78	4,068.78	21.29	140.33	122.53	-3,840.82	-1,749.23	4,615.78	4,454.55	161.23	28.629		
4,300.00	4,206.22	4,166.22	4,166.22	21.81	143.74	122.76	-3,840.82	-1,749.23	4,628.12	4,462.99	165.13	28.027		
4,400.00	4,303.67	4,263.67	4,263.67	22.33	147.14	122.99	-3,840.82	-1,749.23	4,640.54	4,471.51	169.03	27.454		
4,500.00	4,401.11	4,361.11	4,361.11	22.85	150.54	123.21	-3,840.82	-1,749.23	4,653.03	4,480.10	172.93	26.906		
4,600.00	4,498.55	4,458.55	4,458.55	23.37	153.94	123.44	-3,840.82	-1,749.23	4,665.60	4,488.76	176.84	26.384		
4,700.00	4,596.00	4,556.00	4,556.00	23.89	157.34	123.67	-3,840.82	-1,749.23	4,678.24	4,497.51	180.74	25.884		
4,800.00	4,693.44	4,653.44	4,653.44	24.41	160.74	123.89	-3,840.82	-1,749.23	4,690.96	4,506.32	184.64	25.406		
4,900.00	4,790.88	4,750.88	4,750.88	24.93	164.14	124.11	-3,840.82	-1,749.23	4,703.75	4,515.21	188.54	24.948		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,888.33	4,848.33	4,848.33	25.46	167.54	124.34	-3,840.82	-1,749.23	4,716.61	4,524.17	192.44	24.509					
5,100.00	4,985.77	4,945.77	4,945.77	25.98	170.94	124.56	-3,840.82	-1,749.23	4,729.54	4,533.20	196.35	24.088					
5,200.00	5,083.21	5,043.21	5,043.21	26.50	174.34	124.78	-3,840.82	-1,749.23	4,742.55	4,542.30	200.25	23.683					
5,300.00	5,180.66	5,140.66	5,140.66	27.02	177.75	124.99	-3,840.82	-1,749.23	4,755.62	4,551.47	204.15	23.295					
5,400.00	5,278.10	5,238.10	5,238.10	27.55	181.15	125.21	-3,840.82	-1,749.23	4,768.77	4,560.72	208.05	22.921					
5,500.00	5,375.54	5,335.54	5,335.54	28.07	184.55	125.43	-3,840.82	-1,749.23	4,781.98	4,570.03	211.95	22.562					
5,582.90	5,456.32	5,416.32	5,416.32	28.50	187.37	125.61	-3,840.82	-1,749.23	4,792.99	4,577.80	215.18	22.274					
5,600.00	5,473.00	5,433.00	5,433.00	28.59	187.95	125.68	-3,840.82	-1,749.23	4,795.23	4,579.38	215.85	22.215					
5,700.00	5,570.93	5,530.93	5,530.93	29.10	191.37	126.07	-3,840.82	-1,749.23	4,807.22	4,587.47	219.76	21.875					
5,800.00	5,669.52	5,629.52	5,629.52	29.57	194.81	126.39	-3,840.82	-1,749.23	4,817.21	4,593.55	223.66	21.538					
5,900.00	5,768.62	5,728.62	5,728.62	30.03	198.27	126.64	-3,840.82	-1,749.23	4,825.17	4,597.61	227.57	21.203					
6,000.00	5,868.13	5,828.13	5,828.13	30.45	201.74	126.83	-3,840.82	-1,749.23	4,831.07	4,599.61	231.47	20.872					
6,100.00	5,967.93	5,927.93	5,927.93	30.86	205.23	126.95	-3,840.82	-1,749.23	4,834.89	4,599.53	235.36	20.543					
6,200.00	6,067.88	6,027.88	6,027.88	31.24	208.71	127.01	-3,840.82	-1,749.23	4,836.62	4,597.38	239.24	20.217					
6,232.12	6,100.00	6,060.00	6,060.00	31.36	209.84	-142.28	-3,840.82	-1,749.23	4,836.72	4,596.24	240.48	20.113					
6,300.00	6,167.88	6,127.88	6,127.88	31.61	212.20	-142.28	-3,840.82	-1,749.23	4,836.72	4,593.63	243.10	19.896					
6,400.00	6,267.88	6,227.88	6,227.88	31.97	215.70	-142.28	-3,840.82	-1,749.23	4,836.72	4,589.77	246.95	19.586					
6,500.00	6,367.88	6,327.88	6,327.88	32.34	219.19	-142.28	-3,840.82	-1,749.23	4,836.72	4,585.91	250.81	19.284					
6,600.00	6,467.88	6,427.88	6,427.88	32.70	222.68	-142.28	-3,840.82	-1,749.23	4,836.72	4,582.05	254.67	18.992					
6,700.00	6,567.88	6,527.88	6,527.88	33.07	226.17	-142.28	-3,840.82	-1,749.23	4,836.72	4,578.19	258.53	18.708					
6,736.50	6,604.38	6,564.38	6,564.38	33.21	227.44	-142.28	-3,840.82	-1,749.23	4,836.72	4,576.78	259.94	18.607					
6,750.00	6,617.88	6,577.88	6,577.88	33.25	227.91	-55.19	-3,840.82	-1,749.23	4,836.64	4,576.18	260.46	18.569					
6,800.00	6,667.77	6,627.77	6,627.77	33.43	229.65	-55.35	-3,840.82	-1,749.23	4,834.92	4,572.54	262.38	18.427					
6,850.00	6,717.28	6,677.28	6,677.28	33.60	231.38	-55.71	-3,840.82	-1,749.23	4,830.97	4,566.69	264.28	18.280					
6,900.00	6,766.09	6,726.09	6,726.09	33.79	233.09	-56.28	-3,840.82	-1,749.23	4,824.83	4,558.68	266.16	18.128					
6,950.00	6,813.90	6,773.90	6,773.90	33.99	234.75	-57.05	-3,840.82	-1,749.23	4,816.56	4,548.56	268.00	17.972					
7,000.00	6,860.42	6,820.42	6,820.42	34.20	236.38	-58.02	-3,840.82	-1,749.23	4,806.23	4,536.42	269.82	17.813					
7,050.00	6,905.36	6,865.36	6,865.36	34.42	237.95	-59.21	-3,840.82	-1,749.23	4,793.94	4,522.36	271.58	17.652					
7,100.00	6,948.45	6,908.45	6,908.45	34.67	239.45	-60.59	-3,840.82	-1,749.23	4,779.79	4,506.49	273.29	17.490					
7,150.00	6,989.41	6,949.41	6,949.41	34.94	240.88	-62.17	-3,840.82	-1,749.23	4,763.90	4,488.96	274.95	17.327					
7,200.00	7,028.00	6,988.00	6,988.00	35.24	242.23	-63.95	-3,840.82	-1,749.23	4,746.42	4,469.89	276.53	17.164					
7,250.00	7,063.98	7,023.98	7,023.98	35.56	243.48	-65.91	-3,840.82	-1,749.23	4,727.50	4,449.45	278.06	17.002					
7,300.00	7,097.13	7,057.13	7,057.13	35.92	244.64	-68.05	-3,840.82	-1,749.23	4,707.30	4,427.80	279.50	16.842					
7,350.00	7,127.23	7,087.23	7,087.23	36.32	245.69	-70.33	-3,840.82	-1,749.23	4,685.99	4,405.12	280.88	16.683					
7,400.00	7,154.12	7,114.12	7,114.12	36.75	246.63	-72.74	-3,840.82	-1,749.23	4,663.76	4,381.59	282.17	16.528					
7,450.00	7,177.61	7,137.61	7,137.61	37.22	247.45	-75.26	-3,840.82	-1,749.23	4,640.77	4,357.39	283.38	16.376					
7,500.00	7,197.57	7,157.57	7,157.57	37.73	248.15	-77.85	-3,840.82	-1,749.23	4,617.22	4,332.71	284.51	16.229					
7,550.00	7,213.88	7,173.88	7,173.88	38.28	248.72	-80.47	-3,840.82	-1,749.23	4,593.29	4,307.74	285.55	16.086					
7,600.00	7,226.42	7,186.42	7,186.42	38.87	249.15	-83.09	-3,840.82	-1,749.23	4,569.16	4,282.67	286.49	15.949					
7,650.00	7,235.13	7,204.87	7,195.13	39.48	249.80	-85.69	-3,840.82	-1,749.23	4,545.01	4,257.34	287.67	15.799					
7,700.00	7,239.95	7,200.05	7,199.95	40.12	249.63	-88.21	-3,840.82	-1,749.23	4,521.01	4,232.94	288.08	15.694					
7,735.44	7,241.00	7,201.00	7,201.00	40.59	249.66	-89.95	-3,840.82	-1,749.23	4,504.19	4,215.66	288.53	15.611					
7,800.00	7,241.11	7,201.11	7,201.11	41.47	249.67	-89.95	-3,840.82	-1,749.23	4,474.08	4,184.74	289.34	15.463					
7,900.00	7,241.27	7,201.27	7,201.27	42.96	249.67	-89.95	-3,840.82	-1,749.23	4,428.90	4,138.15	290.75	15.233					
8,000.00	7,241.44	7,201.44	7,201.44	44.59	249.68	-89.96	-3,840.82	-1,749.23	4,385.53	4,093.22	292.31	15.003					
8,100.00	7,241.61	7,201.61	7,201.61	46.34	249.68	-89.96	-3,840.82	-1,749.23	4,344.03	4,050.01	294.02	14.775					
8,200.00	7,241.77	7,201.77	7,201.77	48.20	249.69	-89.96	-3,840.82	-1,749.23	4,304.45	4,008.59	295.87	14.549					
8,300.00	7,241.94	7,201.94	7,201.94	50.16	249.70	-89.96	-3,840.82	-1,749.23	4,266.86	3,969.01	297.85	14.326					
8,400.00	7,242.11	7,202.11	7,202.11	52.20	249.70	-89.96	-3,840.82	-1,749.23	4,231.29	3,931.34	299.94	14.107					
8,500.00	7,242.27	7,202.27	7,202.27	54.31	249.71	-89.97	-3,840.82	-1,749.23	4,197.80	3,895.65	302.15	13.893					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,600.00	7,242.44	7,202.44	7,202.44	56.49	249.71	-89.97	-3,840.82	-1,749.23	4,166.45	3,862.00	304.44	13.685		
8,700.00	7,242.60	7,202.60	7,202.60	58.73	249.72	-89.97	-3,840.82	-1,749.23	4,137.27	3,830.44	306.83	13.484		
8,800.00	7,242.77	7,202.77	7,202.77	61.03	249.73	-89.97	-3,840.82	-1,749.23	4,110.32	3,801.04	309.28	13.290		
8,900.00	7,242.94	7,202.94	7,202.94	63.37	249.73	-89.98	-3,840.82	-1,749.23	4,085.64	3,773.84	311.80	13.103		
9,000.00	7,243.10	7,203.10	7,203.10	65.75	249.74	-89.98	-3,840.82	-1,749.23	4,063.28	3,748.90	314.37	12.925		
9,100.00	7,243.27	7,203.27	7,203.27	68.18	249.74	-89.98	-3,840.82	-1,749.23	4,043.26	3,726.27	316.99	12.755		
9,200.00	7,243.44	7,203.44	7,203.44	70.63	249.75	-89.98	-3,840.82	-1,749.23	4,025.63	3,706.00	319.63	12.595		
9,300.00	7,243.60	7,203.60	7,203.60	73.12	249.75	-89.99	-3,840.82	-1,749.23	4,010.41	3,688.11	322.30	12.443		
9,400.00	7,243.77	7,203.77	7,203.77	75.63	249.76	-89.99	-3,840.82	-1,749.23	3,997.64	3,672.66	324.99	12.301		
9,500.00	7,243.94	7,203.94	7,203.94	78.17	249.77	-89.99	-3,840.82	-1,749.23	3,987.34	3,659.67	327.68	12.169		
9,600.00	7,244.10	7,204.10	7,204.10	80.73	249.77	-89.99	-3,840.82	-1,749.23	3,979.53	3,649.17	330.36	12.046		
9,700.00	7,244.27	7,204.27	7,204.27	83.31	249.78	-90.00	-3,840.82	-1,749.23	3,974.21	3,641.18	333.03	11.933		
9,800.00	7,244.44	7,204.44	7,204.44	85.91	249.78	-90.00	-3,840.82	-1,749.23	3,971.41	3,635.72	335.69	11.831		
9,861.33	7,244.54	7,204.54	7,204.54	87.52	249.79	-90.00	-3,840.82	-1,749.23	3,970.94	3,633.63	337.30	11.773 CC		
9,900.00	7,244.60	7,204.60	7,204.60	88.53	249.79	-90.00	-3,840.82	-1,749.23	3,971.12	3,632.81	338.31	11.738		
10,000.00	7,244.77	7,204.77	7,204.77	91.16	249.80	-90.00	-3,840.82	-1,749.23	3,973.36	3,632.45	340.90	11.655 ES		
10,100.00	7,244.94	7,204.94	7,204.94	93.81	249.80	-90.01	-3,840.82	-1,749.23	3,978.10	3,634.65	343.45	11.583		
10,200.00	7,245.10	7,205.10	7,205.10	96.46	249.81	-90.01	-3,840.82	-1,749.23	3,985.35	3,639.40	345.95	11.520		
10,300.00	7,245.27	7,205.27	7,205.27	99.14	249.81	-90.01	-3,840.82	-1,749.23	3,995.09	3,646.69	348.40	11.467		
10,400.00	7,245.43	7,205.43	7,205.43	101.82	249.82	-90.01	-3,840.82	-1,749.23	4,007.31	3,656.51	350.80	11.423		
10,500.00	7,245.60	7,205.60	7,205.60	104.51	249.82	-90.02	-3,840.82	-1,749.23	4,021.97	3,668.84	353.12	11.390		
10,600.00	7,245.77	7,205.77	7,205.77	107.21	249.83	-90.02	-3,840.82	-1,749.23	4,039.06	3,683.67	355.39	11.365		
10,700.00	7,245.93	7,205.93	7,205.93	109.92	249.84	-90.02	-3,840.82	-1,749.23	4,058.53	3,700.96	357.58	11.350		
10,800.00	7,246.10	7,206.10	7,206.10	112.64	249.84	-90.02	-3,840.82	-1,749.23	4,080.37	3,720.67	359.70	11.344 SF		
10,900.00	7,246.27	7,206.27	7,206.27	115.37	249.85	-90.02	-3,840.82	-1,749.23	4,104.53	3,742.79	361.74	11.347		
11,000.00	7,246.43	7,206.43	7,206.43	118.10	249.85	-90.03	-3,840.82	-1,749.23	4,130.97	3,767.26	363.71	11.358		
11,100.00	7,246.60	7,206.60	7,206.60	120.84	249.86	-90.03	-3,840.82	-1,749.23	4,159.64	3,794.04	365.60	11.378		
11,200.00	7,246.77	7,206.77	7,206.77	123.58	249.86	-90.03	-3,840.82	-1,749.23	4,190.51	3,823.10	367.41	11.405		
11,300.00	7,246.93	7,206.93	7,206.93	126.34	249.87	-90.03	-3,840.82	-1,749.23	4,223.52	3,854.37	369.15	11.441		
11,340.34	7,247.00	7,207.00	7,207.00	127.45	249.87	-90.04	-3,840.82	-1,749.23	4,237.43	3,867.61	369.82	11.458		
11,400.00	7,247.10	7,207.10	7,207.10	129.09	249.88	-90.04	-3,840.82	-1,749.23	4,258.04	3,887.24	370.80	11.483		
11,500.00	7,247.27	7,207.27	7,207.27	131.84	249.88	-90.04	-3,840.82	-1,749.23	4,291.62	3,919.23	372.39	11.525		
11,586.15	7,247.43	7,207.43	7,207.43	134.20	249.89	-90.04	-3,840.82	-1,749.23	4,319.57	3,945.87	373.70	11.559		
11,600.00	7,247.45	7,207.45	7,207.45	134.57	249.89	-90.04	-3,840.82	-1,749.23	4,324.01	3,950.10	373.91	11.564		
11,700.00	7,247.64	7,207.64	7,207.64	137.31	249.90	-90.04	-3,840.82	-1,749.23	4,357.25	3,981.89	375.36	11.608		
11,800.00	7,247.82	7,207.82	7,207.82	140.05	249.90	-90.04	-3,840.82	-1,749.23	4,392.51	4,015.78	376.73	11.660		
11,900.00	7,248.00	7,208.00	7,208.00	142.79	249.91	-90.04	-3,840.82	-1,749.23	4,429.75	4,051.72	378.03	11.718		
12,000.00	7,248.18	7,208.18	7,208.18	145.53	249.91	-90.05	-3,840.82	-1,749.23	4,468.91	4,089.65	379.26	11.783		
12,100.00	7,248.37	7,208.37	7,208.37	148.28	249.92	-90.05	-3,840.82	-1,749.23	4,509.96	4,129.54	380.42	11.855		
12,200.00	7,248.55	7,208.55	7,208.55	151.04	249.93	-90.05	-3,840.82	-1,749.23	4,552.83	4,171.32	381.51	11.934		
12,300.00	7,248.73	7,208.73	7,208.73	153.80	249.93	-90.05	-3,840.82	-1,749.23	4,597.47	4,214.94	382.53	12.019		
12,400.00	7,248.91	7,208.91	7,208.91	156.56	249.94	-90.06	-3,840.82	-1,749.23	4,643.84	4,260.35	383.49	12.109		
12,500.00	7,249.10	7,209.10	7,209.10	159.32	249.95	-90.06	-3,840.82	-1,749.23	4,691.89	4,307.50	384.39	12.206		
12,600.00	7,249.28	7,209.28	7,209.28	162.09	249.95	-90.06	-3,840.82	-1,749.23	4,741.55	4,356.33	385.22	12.309		
12,700.00	7,249.46	7,209.46	7,209.46	164.86	249.96	-90.06	-3,840.82	-1,749.23	4,792.79	4,406.79	386.00	12.416		
12,800.00	7,249.64	7,209.64	7,209.64	167.63	249.97	-90.07	-3,840.82	-1,749.23	4,845.55	4,458.83	386.73	12.530		
12,900.00	7,249.83	7,209.83	7,209.83	170.40	249.97	-90.07	-3,840.82	-1,749.23	4,899.79	4,512.39	387.39	12.648		
13,000.00	7,250.01	7,210.01	7,210.01	173.18	249.98	-90.07	-3,840.82	-1,749.23	4,955.45	4,567.43	388.01	12.771		
13,100.00	7,250.19	7,210.19	7,210.19	175.96	249.98	-90.07	-3,840.82	-1,749.23	5,012.48	4,623.90	388.58	12.899		
13,200.00	7,250.37	7,210.37	7,210.37	178.74	249.99	-90.08	-3,840.82	-1,749.23	5,070.85	4,681.74	389.11	13.032		
13,300.00	7,250.56	7,210.56	7,210.56	181.52	250.00	-90.08	-3,840.82	-1,749.23	5,130.50	4,740.91	389.59	13.169		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,400.00	7,250.74	7,210.74	7,210.74	184.31	250.00	-90.08	-3,840.82	-1,749.23	5,191.39	4,801.36	390.03	13.310		
13,500.00	7,250.92	7,210.92	7,210.92	187.09	250.01	-90.08	-3,840.82	-1,749.23	5,253.48	4,863.05	390.43	13.456		
13,600.00	7,251.10	7,211.10	7,211.10	189.88	250.02	-90.09	-3,840.82	-1,749.23	5,316.73	4,925.94	390.79	13.605		
13,700.00	7,251.29	7,211.29	7,211.29	192.67	250.02	-90.09	-3,840.82	-1,749.23	5,381.09	4,989.97	391.12	13.758		
13,800.00	7,251.47	7,211.47	7,211.47	195.47	250.03	-90.09	-3,840.82	-1,749.23	5,446.53	5,055.11	391.41	13.915		
13,900.00	7,251.65	7,211.65	7,211.65	198.26	250.04	-90.09	-3,840.82	-1,749.23	5,513.00	5,121.32	391.68	14.075		
14,000.00	7,251.83	7,211.83	7,211.83	201.05	250.04	-90.10	-3,840.82	-1,749.23	5,580.47	5,188.56	391.91	14.239		
14,100.00	7,252.01	7,212.01	7,212.01	203.85	250.05	-90.10	-3,840.82	-1,749.23	5,648.91	5,256.79	392.12	14.406		
14,200.00	7,252.20	7,212.20	7,212.20	206.65	250.05	-90.10	-3,840.82	-1,749.23	5,718.28	5,325.98	392.30	14.576		
14,300.00	7,252.38	7,212.38	7,212.38	209.45	250.06	-90.10	-3,840.82	-1,749.23	5,788.55	5,396.09	392.46	14.750		
14,400.00	7,252.56	7,212.56	7,212.56	212.25	250.07	-90.11	-3,840.82	-1,749.23	5,859.67	5,467.08	392.59	14.926		
14,500.00	7,252.74	7,212.74	7,212.74	215.05	250.07	-90.11	-3,840.82	-1,749.23	5,931.64	5,538.93	392.70	15.105		
14,600.00	7,252.93	7,212.93	7,212.93	217.86	250.08	-90.11	-3,840.82	-1,749.23	6,004.40	5,611.60	392.80	15.286		
14,700.00	7,253.11	7,213.11	7,213.11	220.66	250.09	-90.11	-3,840.82	-1,749.23	6,077.94	5,685.07	392.87	15.470		
14,800.00	7,253.29	7,213.29	7,213.29	223.47	250.09	-90.12	-3,840.82	-1,749.23	6,152.23	5,759.29	392.93	15.657		
14,900.00	7,253.47	7,213.47	7,213.47	226.27	250.10	-90.12	-3,840.82	-1,749.23	6,227.23	5,834.26	392.97	15.846		
15,000.00	7,253.66	7,213.66	7,213.66	229.08	250.11	-90.12	-3,840.82	-1,749.23	6,302.93	5,909.93	393.00	16.038		
15,100.00	7,253.84	7,213.84	7,213.84	231.89	250.11	-90.12	-3,840.82	-1,749.23	6,379.30	5,986.28	393.02	16.232		
15,200.00	7,254.02	7,214.02	7,214.02	234.70	250.12	-90.13	-3,840.82	-1,749.23	6,456.31	6,063.30	393.02	16.428		
15,300.00	7,254.20	7,214.20	7,214.20	237.51	250.12	-90.13	-3,840.82	-1,749.23	6,533.95	6,140.94	393.01	16.626		
15,400.00	7,254.39	7,214.39	7,214.39	240.32	250.13	-90.13	-3,840.82	-1,749.23	6,612.19	6,219.20	392.98	16.826		
15,500.00	7,254.57	7,214.57	7,214.57	243.13	250.14	-90.14	-3,840.82	-1,749.23	6,691.00	6,298.05	392.95	17.028		
15,600.00	7,254.75	7,214.75	7,214.75	245.94	250.14	-90.14	-3,840.82	-1,749.23	6,770.38	6,377.47	392.91	17.231		
15,700.00	7,254.93	7,214.93	7,214.93	248.76	250.15	-90.14	-3,840.82	-1,749.23	6,850.30	6,457.44	392.86	17.437		
15,800.00	7,255.12	7,215.12	7,215.12	251.57	250.16	-90.14	-3,840.82	-1,749.23	6,930.74	6,537.93	392.80	17.644		
15,900.00	7,255.30	7,215.30	7,215.30	254.39	250.16	-90.15	-3,840.82	-1,749.23	7,011.68	6,618.94	392.74	17.853		
16,000.00	7,255.48	7,215.48	7,215.48	257.20	250.17	-90.15	-3,840.82	-1,749.23	7,093.11	6,700.44	392.67	18.064		
16,100.00	7,255.66	7,215.66	7,215.66	260.02	250.18	-90.15	-3,840.82	-1,749.23	7,175.00	6,782.41	392.59	18.276		
16,200.00	7,255.85	7,215.85	7,215.85	262.84	250.18	-90.15	-3,840.82	-1,749.23	7,257.35	6,864.85	392.51	18.490		
16,300.00	7,256.03	7,216.03	7,216.03	265.65	250.19	-90.16	-3,840.82	-1,749.23	7,340.14	6,947.73	392.42	18.705		
16,400.00	7,256.21	7,216.21	7,216.21	268.47	250.19	-90.16	-3,840.82	-1,749.23	7,423.36	7,031.03	392.32	18.921		
16,500.00	7,256.39	7,216.39	7,216.39	271.29	250.20	-90.16	-3,840.82	-1,749.23	7,506.98	7,114.75	392.23	19.139		
16,600.00	7,256.58	7,216.58	7,216.58	274.11	250.21	-90.16	-3,840.82	-1,749.23	7,591.00	7,198.87	392.13	19.359		
16,700.00	7,256.76	7,216.76	7,216.76	276.93	250.21	-90.17	-3,840.82	-1,749.23	7,675.40	7,283.38	392.02	19.579		
16,800.00	7,256.94	7,216.94	7,216.94	279.75	250.22	-90.17	-3,840.82	-1,749.23	7,760.18	7,368.26	391.91	19.801		
16,900.00	7,257.12	7,217.12	7,217.12	282.57	250.23	-90.17	-3,840.82	-1,749.23	7,845.31	7,453.50	391.80	20.024		
17,000.00	7,257.30	7,217.30	7,217.30	285.40	250.23	-90.17	-3,840.82	-1,749.23	7,930.79	7,539.09	391.69	20.248		
17,100.00	7,257.49	7,217.49	7,217.49	288.22	250.24	-90.18	-3,840.82	-1,749.23	8,016.60	7,625.02	391.58	20.473		
17,200.00	7,257.67	7,217.67	7,217.67	291.04	250.25	-90.18	-3,840.82	-1,749.23	8,102.74	7,711.28	391.46	20.699		
17,300.00	7,257.85	7,217.85	7,217.85	293.87	250.25	-90.18	-3,840.82	-1,749.23	8,189.20	7,797.85	391.34	20.926		
17,400.00	7,258.03	7,218.03	7,218.03	296.69	250.26	-90.18	-3,840.82	-1,749.23	8,275.96	7,884.73	391.22	21.154		
17,500.00	7,258.22	7,218.22	7,218.22	299.51	250.26	-90.19	-3,840.82	-1,749.23	8,363.01	7,971.91	391.10	21.383		
17,600.00	7,258.40	7,218.40	7,218.40	302.34	250.27	-90.19	-3,840.82	-1,749.23	8,450.36	8,059.37	390.98	21.613		
17,700.00	7,258.58	7,218.58	7,218.58	305.16	250.28	-90.19	-3,840.82	-1,749.23	8,537.98	8,147.12	390.86	21.844		
17,800.00	7,258.76	7,218.76	7,218.76	307.99	250.28	-90.19	-3,840.82	-1,749.23	8,625.87	8,235.13	390.74	22.076		
17,900.00	7,258.95	7,218.95	7,218.95	310.82	250.29	-90.20	-3,840.82	-1,749.23	8,714.02	8,323.40	390.61	22.309		
18,000.00	7,259.13	7,219.13	7,219.13	313.64	250.30	-90.20	-3,840.82	-1,749.23	8,802.42	8,411.93	390.49	22.542		
18,100.00	7,259.31	7,219.31	7,219.31	316.47	250.30	-90.20	-3,840.82	-1,749.23	8,891.07	8,500.70	390.37	22.776		
18,200.00	7,259.49	7,219.49	7,219.49	319.30	250.31	-90.20	-3,840.82	-1,749.23	8,979.96	8,589.71	390.24	23.011		
18,300.00	7,259.68	7,219.68	7,219.68	322.12	250.32	-90.21	-3,840.82	-1,749.23	9,069.08	8,678.96	390.12	23.247		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,219.86	7,219.86	324.95	250.32	-90.21	-3,840.82	-1,749.23	9,158.42	8,768.42	390.00	23.483		
18,500.00	7,260.04	7,220.04	7,220.04	327.78	250.33	-90.21	-3,840.82	-1,749.23	9,247.98	8,858.11	389.87	23.720		
18,600.00	7,260.22	7,220.22	7,220.22	330.61	250.33	-90.21	-3,840.82	-1,749.23	9,337.76	8,948.01	389.75	23.958		
18,700.00	7,260.41	7,220.41	7,220.41	333.44	250.34	-90.22	-3,840.82	-1,749.23	9,427.74	9,038.11	389.63	24.197		
18,800.00	7,260.59	7,220.59	7,220.59	336.27	250.35	-90.22	-3,840.82	-1,749.23	9,517.92	9,128.41	389.51	24.436		
18,900.00	7,260.77	7,220.77	7,220.77	339.10	250.35	-90.22	-3,840.82	-1,749.23	9,608.29	9,218.90	389.39	24.675		
19,000.00	7,260.95	7,220.95	7,220.95	341.93	250.36	-90.22	-3,840.82	-1,749.23	9,698.86	9,309.59	389.27	24.915		
19,025.91	7,261.00	7,221.00	7,221.00	342.66	250.36	-90.23	-3,840.82	-1,749.23	9,722.35	9,333.11	389.24	24.978		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	143.67	-687.80	505.87	853.88					
100.00	100.00	93.57	93.57	3.28	0.21	143.69	-687.84	505.41	853.57	850.07	3.49	244.428		
200.00	200.00	198.69	198.67	3.34	0.44	143.79	-687.95	503.77	852.73	848.95	3.78	225.755		
300.00	299.98	303.67	303.62	3.44	0.68	53.37	-688.14	500.97	850.26	846.14	4.12	206.504		
400.00	399.84	415.56	415.44	3.60	1.08	53.96	-687.62	497.29	844.88	840.19	4.69	180.103		
500.00	499.45	521.00	520.81	3.81	1.54	54.65	-684.80	494.71	836.17	830.82	5.36	156.092		
600.00	598.70	624.06	623.78	4.05	1.99	55.52	-681.09	492.61	825.04	818.99	6.05	136.363		
700.00	697.47	726.59	726.20	4.34	2.43	56.61	-676.50	490.92	811.59	804.81	6.78	119.735		
800.00	795.62	828.51	827.96	4.66	2.88	57.92	-671.06	489.63	795.94	788.40	7.54	105.595		
849.22	843.68	876.15	875.52	4.84	3.09	58.64	-668.36	489.11	787.57	779.66	7.91	99.528		
900.00	893.16	926.97	926.26	5.02	3.31	59.28	-665.39	488.58	778.75	770.44	8.31	93.667		
1,000.00	990.60	1,026.38	1,025.47	5.41	3.74	60.63	-659.45	486.95	761.25	752.13	9.12	83.468		
1,100.00	1,088.05	1,130.05	1,128.95	5.83	4.20	62.26	-654.29	483.42	744.23	734.26	9.97	74.636		
1,200.00	1,185.49	1,255.68	1,254.02	6.26	4.76	64.51	-645.64	475.44	724.79	713.85	10.94	66.236		
1,300.00	1,282.93	1,380.64	1,377.85	6.70	5.32	66.93	-632.59	465.13	702.22	690.31	11.92	58.935		
1,400.00	1,380.37	1,502.03	1,497.41	7.15	5.88	69.40	-614.87	453.87	676.35	663.48	12.87	52.548		
1,500.00	1,477.82	1,604.84	1,598.14	7.62	6.35	71.52	-596.32	445.01	648.45	634.68	13.76	47.117		
1,600.00	1,575.26	1,714.58	1,705.43	8.09	6.86	73.85	-574.88	436.58	620.38	605.70	14.68	42.270		
1,700.00	1,672.70	1,798.24	1,787.08	8.57	7.25	75.87	-558.19	429.23	592.30	576.76	15.55	38.093		
1,800.00	1,770.15	1,886.85	1,873.71	9.05	7.67	78.27	-541.57	420.85	566.16	549.71	16.45	34.413		
1,900.00	1,867.59	1,982.61	1,967.43	9.54	8.12	81.00	-523.65	412.70	541.46	524.08	17.38	31.151		
2,000.00	1,965.03	2,078.12	2,060.72	10.03	8.58	83.88	-504.65	405.20	517.02	498.70	18.32	28.218		
2,100.00	2,062.48	2,165.93	2,146.64	10.53	9.00	86.81	-488.11	397.83	494.91	475.64	19.27	25.680		
2,200.00	2,159.92	2,262.86	2,241.56	11.03	9.46	90.23	-469.90	390.39	474.56	454.32	20.24	23.450		
2,300.00	2,257.36	2,358.49	2,335.10	11.53	9.92	93.69	-450.91	384.56	454.94	433.73	21.21	21.453		
2,400.00	2,354.81	2,448.21	2,423.05	12.03	10.34	97.15	-433.97	379.36	438.05	415.87	22.18	19.749		
2,500.00	2,452.25	2,549.00	2,521.80	12.54	10.82	101.25	-414.55	373.97	422.76	399.60	23.16	18.257		
2,600.00	2,549.69	2,645.61	2,616.14	13.04	11.29	105.46	-394.33	368.97	408.04	383.91	24.13	16.909		
2,700.00	2,647.13	2,736.92	2,705.40	13.55	11.73	109.73	-375.77	363.81	396.45	371.34	25.11	15.789		
2,800.00	2,744.58	2,829.09	2,795.34	14.06	12.18	114.40	-356.69	357.40	387.70	361.62	26.07	14.869		
2,900.00	2,842.02	2,918.31	2,882.50	14.57	12.61	119.11	-338.91	350.55	383.03	356.02	27.02	14.178		
2,962.51	2,902.93	2,974.72	2,937.63	14.89	12.89	122.15	-327.93	345.86	382.22	354.64	27.59	13.855		
3,000.00	2,939.46	3,006.72	2,968.94	15.09	13.04	123.86	-321.91	343.13	382.60	354.68	27.92	13.705		
3,100.00	3,036.91	3,093.49	3,054.15	15.60	13.46	128.32	-307.18	335.96	387.08	358.32	28.76	13.457		
3,200.00	3,134.35	3,185.14	3,144.50	16.11	13.89	132.68	-293.58	328.79	395.76	366.16	29.60	13.371		
3,300.00	3,231.79	3,281.43	3,239.65	16.63	14.34	136.83	-280.16	322.70	406.53	376.09	30.45	13.352		
3,400.00	3,329.24	3,371.83	3,329.24	17.14	14.75	140.31	-269.19	317.58	420.01	388.78	31.23	13.447		
3,500.00	3,426.68	3,463.74	3,420.57	17.66	15.17	143.39	-260.10	312.90	435.99	403.97	32.02	13.616		
3,600.00	3,524.12	3,558.22	3,514.67	18.18	15.58	146.09	-252.81	308.51	454.04	421.21	32.83	13.831		
3,700.00	3,621.57	3,662.11	3,618.30	18.69	16.03	148.57	-246.08	305.63	472.11	438.38	33.73	13.997		
3,800.00	3,719.01	3,763.96	3,720.04	19.21	16.46	150.45	-241.62	305.65	489.45	454.84	34.61	14.143		
3,900.00	3,816.45	3,863.00	3,819.02	19.73	16.88	151.98	-238.25	306.78	506.70	471.25	35.46	14.290		
4,000.00	3,913.90	3,956.41	3,912.38	20.25	17.26	153.31	-235.34	307.92	524.34	488.08	36.26	14.460		
4,100.00	4,011.34	4,047.26	4,003.21	20.77	17.64	154.47	-233.44	308.13	543.54	506.50	37.04	14.674		
4,200.00	4,108.78	4,143.13	4,099.07	21.29	18.04	155.58	-232.07	307.74	563.79	525.92	37.87	14.887		
4,300.00	4,206.22	4,234.98	4,190.91	21.81	18.42	156.53	-231.17	307.40	584.40	545.74	38.66	15.117		
4,400.00	4,303.67	4,323.88	4,279.80	22.33	18.77	157.29	-231.86	306.18	606.67	567.27	39.40	15.397		
4,500.00	4,401.11	4,420.04	4,375.92	22.85	19.15	157.99	-233.44	304.33	629.86	589.64	40.22	15.659		
4,600.00	4,498.55	4,519.02	4,474.87	23.37	19.53	158.57	-235.93	303.13	652.78	611.70	41.08	15.891		
4,700.00	4,596.00	4,618.75	4,574.54	23.89	19.92	159.02	-239.40	302.45	675.58	633.64	41.94	16.107		
4,800.00	4,693.44	4,723.88	4,679.64	24.41	20.33	159.56	-241.67	302.08	697.70	654.84	42.86	16.278		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,790.88	4,827.01	4,782.77	24.93	20.74	160.15	-242.45	302.41	718.80	675.04	43.76	16.427		
5,000.00	4,888.33	4,924.74	4,880.49	25.46	21.13	160.68	-243.03	303.08	739.58	694.98	44.60	16.582		
5,100.00	4,985.77	5,019.16	4,974.91	25.98	21.50	161.16	-243.81	303.57	760.64	715.22	45.42	16.748		
5,200.00	5,083.21	5,115.96	5,071.70	26.50	21.88	161.60	-244.92	303.88	782.03	735.77	46.26	16.906		
5,300.00	5,180.66	5,204.16	5,159.90	27.02	22.24	162.00	-245.85	303.61	804.01	756.99	47.02	17.101		
5,400.00	5,278.10	5,308.04	5,263.77	27.55	22.67	162.53	-245.88	302.58	826.41	778.47	47.94	17.239		
5,500.00	5,375.54	5,406.10	5,361.82	28.07	23.08	163.08	-244.71	301.91	848.25	799.44	48.81	17.378		
5,582.90	5,456.32	5,474.99	5,430.69	28.50	23.38	163.46	-243.80	300.94	866.93	817.52	49.41	17.546		
5,600.00	5,473.00	5,489.13	5,444.83	28.59	23.44	163.56	-243.64	300.63	870.88	821.35	49.53	17.583		
5,700.00	5,570.93	5,603.29	5,558.97	29.10	23.92	164.18	-242.89	298.92	891.59	841.03	50.56	17.636		
5,800.00	5,669.52	5,703.42	5,659.09	29.57	24.33	164.49	-243.98	299.19	907.74	856.32	51.42	17.654		
5,900.00	5,768.62	5,798.52	5,754.17	30.03	24.71	164.66	-245.72	299.29	920.92	868.70	52.22	17.635		
6,000.00	5,868.13	5,915.87	5,871.51	30.45	25.19	164.85	-246.13	300.70	929.25	876.03	53.22	17.462		
6,100.00	5,967.93	6,009.19	5,964.83	30.86	25.57	164.97	-245.85	301.69	934.28	880.29	53.99	17.306		
6,200.00	6,067.88	6,106.14	6,061.77	31.24	25.98	165.05	-245.39	302.29	936.33	881.56	54.78	17.093		
6,232.12	6,100.00	6,136.84	6,092.47	31.36	26.10	-104.24	-245.31	302.41	936.36	881.34	55.02	17.018		
6,300.00	6,167.88	6,202.53	6,158.16	31.61	26.37	-104.24	-245.33	302.58	936.20	880.67	55.54	16.858		
6,349.17	6,217.05	6,250.41	6,206.05	31.79	26.57	-104.26	-245.54	302.66	936.17	880.26	55.91	16.744		
6,400.00	6,267.88	6,299.74	6,255.37	31.97	26.77	-104.27	-245.82	302.69	936.21	879.91	56.30	16.630		
6,500.00	6,367.88	7,882.72	7,240.13	32.34	37.66	-170.71	-229.55	1,174.92	909.61	884.22	25.40	35.817		
6,600.00	6,467.88	7,886.37	7,240.29	32.70	37.72	-171.66	-229.48	1,178.56	812.85	785.89	26.96	30.148		
6,700.00	6,567.88	7,890.14	7,240.47	33.07	37.78	-172.65	-229.42	1,182.33	716.96	687.97	28.99	24.733		
6,736.50	6,604.38	7,891.55	7,240.53	33.21	37.80	-173.02	-229.39	1,183.74	682.24	652.37	29.88	22.834		
6,750.00	6,617.88	7,891.96	7,240.55	33.25	37.81	-89.64	-229.39	1,184.15	669.45	639.22	30.23	22.145		
6,800.00	6,667.77	7,891.35	7,240.52	33.43	37.80	-102.00	-229.40	1,183.54	622.36	590.72	31.65	19.665		
6,850.00	6,717.28	7,887.36	7,240.34	33.60	37.73	-111.60	-229.47	1,179.55	576.06	542.79	33.28	17.311		
6,900.00	6,766.09	7,879.90	7,240.01	33.79	37.61	-118.47	-229.60	1,172.10	530.99	495.82	35.16	15.100		
6,950.00	6,813.90	7,868.95	7,239.54	33.99	37.44	-123.09	-229.82	1,161.16	487.61	450.25	37.36	13.051		
7,000.00	6,860.42	7,854.48	7,238.97	34.20	37.21	-125.92	-230.15	1,146.71	446.44	406.52	39.92	11.184		
7,050.00	6,905.36	7,836.51	7,238.32	34.42	36.93	-127.34	-230.61	1,128.75	408.04	365.18	42.86	9.520		
7,100.00	6,948.45	7,815.07	7,237.64	34.67	36.59	-127.57	-231.25	1,107.34	372.99	326.80	46.20	8.074		
7,150.00	6,989.41	7,788.74	7,236.90	34.94	36.19	-126.57	-232.15	1,081.03	341.86	291.96	49.90	6.851		
7,200.00	7,028.00	7,757.52	7,235.98	35.24	35.74	-124.45	-233.23	1,049.85	314.99	261.13	53.86	5.849		
7,250.00	7,063.98	7,723.47	7,234.88	35.56	35.25	-121.54	-234.40	1,015.83	292.72	234.91	57.81	5.063		
7,300.00	7,097.13	7,682.22	7,233.46	35.92	34.70	-117.36	-235.51	974.62	275.13	213.58	61.55	4.470		
7,350.00	7,127.23	7,637.90	7,231.92	36.32	34.14	-112.70	-235.40	930.33	261.36	196.66	64.70	4.040		
7,400.00	7,154.12	7,595.44	7,229.89	36.75	33.64	-108.17	-235.04	887.92	251.58	184.40	67.18	3.745		
7,450.00	7,177.61	7,550.96	7,226.94	37.22	33.14	-103.34	-234.65	843.54	245.52	176.58	68.94	3.561		
7,500.00	7,197.57	7,506.07	7,220.69	37.73	32.68	-98.08	-234.54	799.10	242.59	172.50	70.09	3.461		
7,520.29	7,204.64	7,488.68	7,217.16	37.96	32.51	-95.91	-234.61	782.08	242.32	171.96	70.36	3.444 CC, ES, SF		
7,550.00	7,213.88	7,464.17	7,211.14	38.28	32.27	-92.74	-234.82	758.32	242.91	172.38	70.53	3.444		
7,600.00	7,226.42	7,424.49	7,199.71	38.87	31.93	-87.57	-235.47	720.34	246.63	176.27	70.36	3.505		
7,650.00	7,235.13	7,385.22	7,186.67	39.48	31.59	-82.58	-236.56	683.31	253.31	183.57	69.74	3.632		
7,700.00	7,239.95	7,346.84	7,172.08	40.12	31.32	-77.89	-238.00	647.85	262.39	193.45	68.94	3.806		
7,735.44	7,241.00	7,320.32	7,160.67	40.59	31.14	-74.73	-239.19	623.95	270.04	201.70	68.35	3.951		
7,800.00	7,241.11	7,274.18	7,138.27	41.47	30.84	-70.44	-241.59	583.69	287.12	219.95	67.17	4.275		
7,900.00	7,241.27	7,209.43	7,100.34	42.96	30.50	-63.78	-244.27	531.36	322.80	257.70	65.10	4.959		
8,000.00	7,241.44	7,157.71	7,064.76	44.59	30.26	-58.18	-245.46	493.88	370.28	306.81	63.47	5.834		
8,100.00	7,241.61	7,114.76	7,032.62	46.34	30.07	-53.71	-246.58	465.42	428.41	365.85	62.55	6.849		
8,200.00	7,241.77	7,075.57	7,001.52	48.20	29.91	-49.88	-247.71	441.61	494.86	432.83	62.04	7.977		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,300.00	7,241.94	7,038.20	6,970.63	50.16	29.76	-46.44	-248.29	420.60	567.19	505.45	61.73	9.188		
8,400.00	7,242.11	6,999.00	6,937.09	52.20	29.61	-43.07	-248.27	400.32	644.09	582.63	61.45	10.481		
8,500.00	7,242.27	6,978.21	6,918.88	54.31	29.53	-41.38	-248.05	390.30	724.45	662.68	61.77	11.728		
8,600.00	7,242.44	6,953.80	6,897.16	56.49	29.43	-39.49	-247.70	379.17	807.74	745.82	61.92	13.044		
8,700.00	7,242.60	6,932.17	6,877.62	58.73	29.35	-37.90	-247.30	369.89	893.33	831.23	62.10	14.386		
8,800.00	7,242.77	6,904.00	6,851.81	61.03	29.24	-35.95	-246.68	358.63	980.86	918.75	62.11	15.791		
8,900.00	7,242.94	6,904.00	6,851.81	63.37	29.24	-35.95	-246.68	358.63	1,069.83	1,007.27	62.56	17.101		
9,000.00	7,243.10	6,904.00	6,851.81	65.75	29.24	-35.95	-246.68	358.63	1,160.59	1,097.71	62.88	18.456		
9,100.00	7,243.27	6,868.50	6,818.73	68.18	29.11	-33.72	-246.20	345.77	1,251.41	1,188.65	62.76	19.940		
9,200.00	7,243.44	6,856.39	6,807.31	70.63	29.06	-33.02	-246.21	341.71	1,343.69	1,280.80	62.89	21.365		
9,300.00	7,243.60	6,845.26	6,796.78	73.12	29.01	-32.40	-246.29	338.13	1,436.74	1,373.73	63.01	22.802		
9,400.00	7,243.77	6,812.00	6,765.02	75.63	28.88	-30.71	-247.01	328.31	1,530.97	1,468.02	62.95	24.319		
9,500.00	7,243.94	6,812.00	6,765.02	78.17	28.88	-30.71	-247.01	328.31	1,624.90	1,561.77	63.13	25.740		
9,600.00	7,244.10	6,812.00	6,765.02	80.73	28.88	-30.71	-247.01	328.31	1,719.51	1,656.24	63.27	27.178		
9,700.00	7,244.27	6,812.00	6,765.02	83.31	28.88	-30.71	-247.01	328.31	1,814.70	1,751.31	63.38	28.630		
9,800.00	7,244.44	6,812.00	6,765.02	85.91	28.88	-30.71	-247.01	328.31	1,910.38	1,846.90	63.48	30.094		
9,900.00	7,244.60	6,812.00	6,765.02	88.53	28.88	-30.71	-247.01	328.31	2,006.48	1,942.92	63.56	31.567		
10,000.00	7,244.77	6,812.00	6,765.02	91.16	28.88	-30.71	-247.01	328.31	2,102.95	2,039.32	63.63	33.049		
10,100.00	7,244.94	6,779.58	6,733.68	93.81	28.75	-29.19	-247.72	320.06	2,198.84	2,135.24	63.61	34.570		
10,200.00	7,245.10	6,773.58	6,727.84	96.46	28.73	-28.92	-247.79	318.68	2,295.55	2,231.90	63.65	36.063		
10,300.00	7,245.27	6,767.97	6,722.36	99.14	28.71	-28.67	-247.83	317.43	2,392.48	2,328.78	63.70	37.558		
10,400.00	7,245.43	6,762.71	6,717.23	101.82	28.69	-28.43	-247.86	316.31	2,489.60	2,425.86	63.74	39.056		
10,500.00	7,245.60	6,757.77	6,712.40	104.51	28.67	-28.22	-247.87	315.28	2,586.90	2,523.11	63.79	40.556		
10,600.00	7,245.77	6,753.13	6,707.85	107.21	28.65	-28.01	-247.86	314.35	2,684.36	2,620.54	63.83	42.057		
10,700.00	7,245.93	6,718.00	6,673.27	109.92	28.51	-26.51	-247.42	308.20	2,782.74	2,718.93	63.81	43.609		
10,800.00	7,246.10	6,718.00	6,673.27	112.64	28.51	-26.51	-247.42	308.20	2,880.29	2,816.43	63.86	45.102		
10,900.00	7,246.27	6,718.00	6,673.27	115.37	28.51	-26.51	-247.42	308.20	2,978.00	2,914.09	63.91	46.597		
11,000.00	7,246.43	6,718.00	6,673.27	118.10	28.51	-26.51	-247.42	308.20	3,075.86	3,011.91	63.95	48.094		
11,100.00	7,246.60	6,718.00	6,673.27	120.84	28.51	-26.51	-247.42	308.20	3,173.86	3,109.86	64.00	49.593		
11,200.00	7,246.77	6,718.00	6,673.27	123.58	28.51	-26.51	-247.42	308.20	3,271.97	3,207.93	64.04	51.092		
11,300.00	7,246.93	6,718.00	6,673.27	126.34	28.51	-26.51	-247.42	308.20	3,370.20	3,306.12	64.08	52.592		
11,340.34	7,247.00	6,718.00	6,673.27	127.45	28.51	-26.51	-247.42	308.20	3,409.86	3,345.76	64.10	53.197		
11,400.00	7,247.10	6,718.00	6,673.27	129.09	28.51	-32.01	-247.42	308.20	3,468.48	3,404.35	64.12	54.092		
11,500.00	7,247.27	6,718.00	6,673.27	131.84	28.51	-40.08	-247.42	308.20	3,566.53	3,502.37	64.15	55.593		
11,586.15	7,247.43	6,718.00	6,673.27	134.20	28.51	-45.91	-247.42	308.20	3,650.72	3,586.55	64.18	56.884		
11,600.00	7,247.45	6,718.00	6,673.27	134.57	28.51	-45.91	-247.42	308.20	3,664.24	3,600.06	64.18	57.092		
11,700.00	7,247.64	6,718.00	6,673.27	137.31	28.51	-45.91	-247.42	308.20	3,761.89	3,697.69	64.21	58.590		
11,800.00	7,247.82	6,718.00	6,673.27	140.05	28.51	-45.91	-247.42	308.20	3,859.66	3,795.43	64.23	60.087		
11,900.00	7,248.00	6,718.00	6,673.27	142.79	28.51	-45.91	-247.42	308.20	3,957.55	3,893.28	64.26	61.584		
12,000.00	7,248.18	6,718.00	6,673.27	145.53	28.51	-45.91	-247.42	308.20	4,055.53	3,991.24	64.29	63.080		
12,100.00	7,248.37	6,718.00	6,673.27	148.28	28.51	-45.91	-247.42	308.20	4,153.61	4,089.29	64.32	64.575		
12,200.00	7,248.55	6,718.00	6,673.27	151.04	28.51	-45.91	-247.42	308.20	4,251.79	4,187.43	64.35	66.069		
12,300.00	7,248.73	6,718.00	6,673.27	153.80	28.51	-45.91	-247.42	308.20	4,350.04	4,285.65	64.39	67.561		
12,400.00	7,248.91	6,718.00	6,673.27	156.56	28.51	-45.91	-247.42	308.20	4,448.37	4,383.95	64.42	69.052		
12,500.00	7,249.10	6,718.00	6,673.27	159.32	28.51	-45.91	-247.42	308.20	4,546.78	4,482.32	64.46	70.541		
12,600.00	7,249.28	6,718.00	6,673.27	162.09	28.51	-45.91	-247.42	308.20	4,645.25	4,580.76	64.49	72.028		
12,700.00	7,249.46	6,718.00	6,673.27	164.86	28.51	-45.91	-247.42	308.20	4,743.79	4,679.26	64.53	73.513		
12,800.00	7,249.64	6,718.00	6,673.27	167.63	28.51	-45.91	-247.42	308.20	4,842.39	4,777.82	64.57	74.995		
12,900.00	7,249.83	6,718.00	6,673.27	170.40	28.51	-45.91	-247.42	308.20	4,941.04	4,876.43	64.61	76.476		
13,000.00	7,250.01	6,718.00	6,673.27	173.18	28.51	-45.91	-247.42	308.20	5,039.75	4,975.09	64.65	77.954		
13,100.00	7,250.19	6,718.00	6,673.27	175.96	28.51	-45.91	-247.42	308.20	5,138.50	5,073.81	64.69	79.429		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,200.00	7,250.37	6,718.00	6,673.27	178.74	28.51	-45.91	-247.42	308.20	5,237.31	5,172.57	64.74	80.901		
13,300.00	7,250.56	6,718.00	6,673.27	181.52	28.51	-45.91	-247.42	308.20	5,336.15	5,271.37	64.78	82.371		
13,400.00	7,250.74	6,718.00	6,673.27	184.31	28.51	-45.91	-247.42	308.20	5,435.04	5,370.22	64.83	83.838		
13,500.00	7,250.92	6,718.00	6,673.27	187.09	28.51	-45.91	-247.42	308.20	5,533.97	5,469.10	64.88	85.301		
13,600.00	7,251.10	6,718.00	6,673.27	189.88	28.51	-45.91	-247.42	308.20	5,632.94	5,568.02	64.92	86.762		
13,700.00	7,251.29	6,718.00	6,673.27	192.67	28.51	-45.91	-247.42	308.20	5,731.95	5,666.97	64.97	88.219		
13,800.00	7,251.47	6,718.00	6,673.27	195.47	28.51	-45.91	-247.42	308.20	5,830.98	5,765.96	65.02	89.674		
13,900.00	7,251.65	6,718.00	6,673.27	198.26	28.51	-45.91	-247.42	308.20	5,930.05	5,864.98	65.08	91.124		
14,000.00	7,251.83	6,718.00	6,673.27	201.05	28.51	-45.91	-247.42	308.20	6,029.16	5,964.03	65.13	92.571		
14,100.00	7,252.01	6,718.00	6,673.27	203.85	28.51	-45.91	-247.42	308.20	6,128.29	6,063.10	65.18	94.015		
14,200.00	7,252.20	6,718.00	6,673.27	206.65	28.51	-45.91	-247.42	308.20	6,227.44	6,162.20	65.24	95.455		
14,300.00	7,252.38	6,718.00	6,673.27	209.45	28.51	-45.91	-247.42	308.20	6,326.63	6,261.33	65.30	96.892		
14,400.00	7,252.56	6,718.00	6,673.27	212.25	28.51	-45.91	-247.42	308.20	6,425.84	6,360.48	65.35	98.324		
14,500.00	7,252.74	6,718.00	6,673.27	215.05	28.51	-45.91	-247.42	308.20	6,525.07	6,459.66	65.41	99.753		
14,600.00	7,252.93	6,718.00	6,673.27	217.86	28.51	-45.91	-247.42	308.20	6,624.33	6,558.86	65.47	101.178		
14,700.00	7,253.11	6,718.00	6,673.27	220.66	28.51	-45.91	-247.42	308.20	6,723.61	6,658.07	65.53	102.599		
14,800.00	7,253.29	6,718.00	6,673.27	223.47	28.51	-45.91	-247.42	308.20	6,822.91	6,757.31	65.59	104.016		
14,900.00	7,253.47	6,718.00	6,673.27	226.27	28.51	-45.91	-247.42	308.20	6,922.23	6,856.57	65.66	105.429		
15,000.00	7,253.66	6,718.00	6,673.27	229.08	28.51	-45.91	-247.42	308.20	7,021.57	6,955.85	65.72	106.838		
15,100.00	7,253.84	6,718.00	6,673.27	231.89	28.51	-45.91	-247.42	308.20	7,120.92	7,055.14	65.79	108.243		
15,200.00	7,254.02	6,718.00	6,673.27	234.70	28.51	-45.91	-247.42	308.20	7,220.30	7,154.45	65.85	109.643		
15,300.00	7,254.20	6,718.00	6,673.27	237.51	28.51	-45.91	-247.42	308.20	7,319.69	7,253.77	65.92	111.039		
15,400.00	7,254.39	6,718.00	6,673.27	240.32	28.51	-45.91	-247.42	308.20	7,419.10	7,353.11	65.99	112.431		
15,500.00	7,254.57	6,675.36	6,630.93	243.13	28.33	-43.76	-246.73	303.25	7,516.89	7,450.84	66.05	113.804		
15,600.00	7,254.75	6,674.78	6,630.36	245.94	28.33	-43.74	-246.72	303.20	7,616.29	7,550.17	66.12	115.187		
15,700.00	7,254.93	6,674.22	6,629.80	248.76	28.32	-43.71	-246.71	303.16	7,715.70	7,649.51	66.19	116.566		
15,800.00	7,255.12	6,673.67	6,629.25	251.57	28.32	-43.68	-246.71	303.11	7,815.13	7,748.86	66.26	117.940		
15,900.00	7,255.30	6,673.14	6,628.72	254.39	28.32	-43.66	-246.70	303.07	7,914.57	7,848.23	66.34	119.310		
16,000.00	7,255.48	6,672.61	6,628.19	257.20	28.32	-43.63	-246.70	303.03	8,014.02	7,947.61	66.41	120.675		
16,100.00	7,255.66	6,672.10	6,627.68	260.02	28.32	-43.61	-246.69	302.99	8,113.49	8,047.00	66.48	122.036		
16,200.00	7,255.85	6,671.60	6,627.18	262.84	28.31	-43.58	-246.69	302.95	8,212.97	8,146.41	66.56	123.392		
16,300.00	7,256.03	6,671.11	6,626.69	265.65	28.31	-43.56	-246.68	302.92	8,312.46	8,245.82	66.64	124.744		
16,400.00	7,256.21	6,670.63	6,626.22	268.47	28.31	-43.54	-246.68	302.88	8,411.96	8,345.25	66.71	126.091		
16,500.00	7,256.39	6,670.16	6,625.75	271.29	28.31	-43.51	-246.68	302.85	8,511.48	8,444.68	66.79	127.433		
16,600.00	7,256.58	6,669.70	6,625.29	274.11	28.31	-43.49	-246.67	302.81	8,611.00	8,544.13	66.87	128.771		
16,700.00	7,256.76	6,669.25	6,624.84	276.93	28.30	-43.47	-246.67	302.78	8,710.54	8,643.59	66.95	130.104		
16,800.00	7,256.94	6,668.81	6,624.40	279.75	28.30	-43.45	-246.66	302.75	8,810.08	8,743.05	67.03	131.432		
16,900.00	7,257.12	6,668.38	6,623.98	282.57	28.30	-43.43	-246.66	302.72	8,909.64	8,842.52	67.11	132.756		
17,000.00	7,257.30	6,625.00	6,580.63	285.40	28.12	-41.45	-246.58	301.26	9,010.84	8,943.65	67.19	134.106		
17,100.00	7,257.49	6,625.00	6,580.63	288.22	28.12	-41.45	-246.58	301.26	9,110.38	9,043.11	67.28	135.420		
17,200.00	7,257.67	6,625.00	6,580.63	291.04	28.12	-41.45	-246.58	301.26	9,209.93	9,142.58	67.36	136.729		
17,300.00	7,257.85	6,625.00	6,580.63	293.87	28.12	-41.45	-246.58	301.26	9,309.50	9,242.05	67.44	138.033		
17,400.00	7,258.03	6,625.00	6,580.63	296.69	28.12	-41.45	-246.58	301.26	9,409.07	9,341.54	67.53	139.333		
17,500.00	7,258.22	6,625.00	6,580.63	299.51	28.12	-41.45	-246.58	301.26	9,508.65	9,441.03	67.62	140.628		
17,600.00	7,258.40	6,625.00	6,580.63	302.34	28.12	-41.45	-246.58	301.26	9,608.23	9,540.53	67.70	141.917		
17,700.00	7,258.58	6,625.00	6,580.63	305.16	28.12	-41.45	-246.58	301.26	9,707.83	9,640.04	67.79	143.202		
17,800.00	7,258.76	6,625.00	6,580.63	307.99	28.12	-41.45	-246.58	301.26	9,807.44	9,739.56	67.88	144.482		
17,900.00	7,258.95	6,625.00	6,580.63	310.82	28.12	-41.45	-246.58	301.26	9,907.05	9,839.08	67.97	145.757		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 170-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	138.26	-567.95	506.70	761.21					
100.00	100.00	92.02	92.01	3.28	3.29	138.36	-568.65	505.65	760.95	754.38	6.57	115.802		
200.00	200.00	196.25	196.14	3.34	3.32	138.68	-570.99	502.02	760.33	753.68	6.65	114.251		
300.00	299.98	306.38	306.21	3.44	3.43	48.36	-571.84	498.46	757.62	750.75	6.87	110.295		
400.00	399.84	434.78	434.49	3.60	3.62	48.85	-567.84	495.14	750.16	742.91	7.25	103.497		
500.00	499.45	561.62	560.91	3.81	3.89	49.71	-559.91	488.53	736.28	728.52	7.76	94.907		
600.00	598.70	659.59	658.35	4.05	4.14	50.72	-552.14	482.12	718.19	709.95	8.24	87.147		
700.00	697.47	835.06	831.51	4.34	4.68	53.18	-532.64	463.05	692.95	683.76	9.18	75.457		
800.00	795.62	920.40	914.94	4.66	4.97	55.09	-519.68	450.61	660.91	651.18	9.73	67.936		
849.22	843.68	956.08	949.96	4.84	5.09	56.03	-514.70	445.98	645.50	635.51	9.99	64.612		
900.00	893.16	993.89	987.18	5.02	5.23	56.78	-509.83	441.49	630.26	619.98	10.27	61.344		
1,000.00	990.60	1,071.33	1,063.69	5.41	5.51	58.44	-501.38	432.95	602.74	591.85	10.88	55.382		
1,100.00	1,088.05	1,166.24	1,157.59	5.83	5.87	60.71	-492.33	422.53	577.15	565.54	11.61	49.695		
1,200.00	1,185.49	1,265.59	1,255.76	6.26	6.26	63.31	-482.31	411.09	551.82	539.43	12.40	44.510		
1,300.00	1,282.93	1,355.48	1,344.64	6.70	6.62	65.78	-472.89	401.47	527.61	514.44	13.18	40.045		
1,400.00	1,380.37	1,449.11	1,437.29	7.15	7.00	68.52	-463.22	392.01	504.94	490.95	13.99	36.082		
1,500.00	1,477.82	1,546.72	1,533.84	7.62	7.41	71.60	-452.75	382.26	483.25	468.40	14.85	32.540		
1,600.00	1,575.26	1,642.75	1,628.76	8.09	7.81	74.86	-441.69	372.75	462.31	446.58	15.72	29.400		
1,700.00	1,672.70	1,731.86	1,716.94	8.57	8.19	78.04	-431.77	364.66	443.52	426.92	16.60	26.719		
1,800.00	1,770.15	1,826.45	1,810.61	9.05	8.59	81.67	-421.64	356.26	426.92	409.41	17.51	24.387		
1,900.00	1,867.59	1,926.60	1,909.70	9.54	9.02	85.80	-410.34	347.12	411.69	393.25	18.44	22.326		
2,000.00	1,965.03	2,015.05	1,997.24	10.03	9.40	89.62	-400.22	339.53	398.53	379.18	19.36	20.588		
2,100.00	2,062.48	2,098.84	2,080.40	10.53	9.76	93.33	-392.41	332.96	389.68	369.42	20.26	19.239		
2,200.00	2,159.92	2,185.87	2,167.04	11.03	10.13	97.15	-386.69	326.93	385.67	364.53	21.14	18.242		
2,246.38	2,205.12	2,226.37	2,207.42	11.26	10.30	98.85	-384.67	324.71	385.20	363.65	21.55	17.878		
2,300.00	2,257.36	2,272.04	2,252.99	11.53	10.49	100.75	-383.01	322.17	385.88	363.88	22.00	17.541		
2,400.00	2,354.81	2,359.98	2,340.79	12.03	10.84	104.29	-381.63	317.57	390.54	367.71	22.83	17.107		
2,500.00	2,452.25	2,457.95	2,438.72	12.54	11.23	107.74	-381.87	314.78	397.98	374.26	23.71	16.783		
2,600.00	2,549.69	2,549.34	2,530.07	13.04	11.60	110.88	-381.74	311.99	406.59	382.05	24.54	16.571		
2,700.00	2,647.13	2,644.76	2,625.44	13.55	11.96	113.78	-383.81	310.06	418.15	392.78	25.37	16.482		
2,800.00	2,744.58	2,754.07	2,734.72	14.06	12.39	116.57	-385.94	311.01	429.31	402.99	26.31	16.315		
2,900.00	2,842.02	2,851.66	2,832.30	14.57	12.78	119.27	-384.97	310.37	439.49	412.32	27.18	16.172		
3,000.00	2,939.46	2,942.42	2,923.05	15.09	13.14	121.59	-385.09	309.87	451.51	423.54	27.97	16.140		
3,100.00	3,036.91	3,047.36	3,027.97	15.60	13.55	123.82	-386.93	311.28	464.60	435.73	28.87	16.093		
3,200.00	3,134.35	3,149.59	3,130.17	16.11	13.95	125.93	-387.08	313.23	476.66	446.91	29.74	16.026		
3,300.00	3,231.79	3,244.80	3,225.38	16.63	14.33	127.98	-386.19	313.93	489.19	458.62	30.57	16.000		
3,400.00	3,329.24	3,338.05	3,318.63	17.14	14.72	129.95	-385.45	313.77	503.04	471.65	31.39	16.024		
3,500.00	3,426.68	3,436.49	3,417.06	17.66	15.13	131.95	-384.71	313.22	517.81	485.56	32.25	16.055		
3,600.00	3,524.12	3,531.13	3,511.69	18.18	15.52	133.79	-383.93	312.37	533.34	500.26	33.08	16.122		
3,700.00	3,621.57	3,628.81	3,609.35	18.69	15.93	135.67	-382.66	310.81	549.62	515.68	33.93	16.198		
3,800.00	3,719.01	3,730.44	3,710.98	19.21	16.34	137.33	-382.48	310.70	566.08	531.28	34.80	16.265		
3,900.00	3,816.45	3,837.96	3,818.48	19.73	16.77	138.81	-382.60	312.89	581.51	545.80	35.71	16.282		
4,000.00	3,913.90	3,935.90	3,916.38	20.25	17.17	140.13	-381.73	315.40	596.24	559.69	36.56	16.309		
4,100.00	4,011.34	4,024.41	4,004.86	20.77	17.52	141.20	-382.03	317.38	612.25	574.92	37.33	16.401		
4,200.00	4,108.78	4,112.58	4,093.00	21.29	17.87	142.15	-383.87	318.60	630.19	592.10	38.09	16.543		
4,300.00	4,206.22	4,203.85	4,184.21	21.81	18.23	143.01	-386.92	319.61	649.27	610.39	38.88	16.699		
4,400.00	4,303.67	4,287.27	4,267.57	22.33	18.57	143.79	-390.25	319.11	670.22	630.63	39.59	16.931		
4,500.00	4,401.11	4,378.43	4,358.63	22.85	18.94	144.72	-393.39	316.52	692.83	652.46	40.37	17.164		
4,600.00	4,498.55	4,495.52	4,475.66	23.37	19.42	145.96	-395.51	313.54	714.56	673.14	41.42	17.252		
4,700.00	4,596.00	4,613.25	4,593.39	23.89	19.90	147.12	-395.75	313.43	733.62	691.18	42.44	17.286		
4,800.00	4,693.44	4,721.19	4,701.30	24.41	20.35	148.12	-394.86	315.41	750.75	707.38	43.37	17.310		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 170-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,900.00	4,790.88	4,824.25	4,804.32	24.93	20.77	148.99	-394.05	318.35	767.21	722.95	44.26	17.334		
5,000.00	4,888.33	4,907.69	4,887.73	25.46	21.12	149.65	-393.63	320.50	784.24	739.23	45.01	17.423		
5,100.00	4,985.77	4,992.03	4,972.07	25.98	21.47	150.35	-393.47	320.77	803.44	757.68	45.75	17.560		
5,200.00	5,083.21	5,083.05	5,063.08	26.50	21.84	151.05	-394.07	320.21	823.98	777.43	46.55	17.701		
5,300.00	5,180.66	5,178.27	5,158.30	27.02	22.24	151.72	-395.19	319.44	845.05	797.67	47.38	17.834		
5,400.00	5,278.10	5,269.02	5,249.03	27.55	22.61	152.31	-396.77	318.61	866.59	818.41	48.18	17.988		
5,500.00	5,375.54	5,361.43	5,341.40	28.07	23.00	152.90	-398.41	316.87	889.06	840.07	48.99	18.149		
5,582.90	5,456.32	5,455.13	5,435.08	28.50	23.39	153.56	-398.80	314.78	907.60	857.77	49.83	18.214		
5,600.00	5,473.00	5,477.40	5,457.34	28.59	23.49	153.74	-398.72	314.55	911.16	861.13	50.03	18.213		
5,700.00	5,570.93	5,585.41	5,565.35	29.10	23.94	154.57	-397.62	314.25	929.21	878.23	50.98	18.228		
5,800.00	5,669.52	5,676.69	5,656.61	29.57	24.33	155.21	-396.01	313.72	944.22	892.45	51.76	18.241		
5,900.00	5,768.62	5,782.71	5,762.62	30.03	24.78	155.75	-394.70	313.28	956.23	903.56	52.67	18.154		
6,000.00	5,868.13	5,889.88	5,869.79	30.45	25.23	156.10	-393.83	314.28	964.02	910.45	53.57	17.995		
6,100.00	5,967.93	5,977.84	5,957.74	30.86	25.60	156.26	-393.72	314.88	969.15	914.85	54.30	17.849		
6,200.00	6,067.88	6,070.30	6,050.19	31.24	25.98	156.28	-395.01	314.97	972.21	917.16	55.05	17.661		
6,232.12	6,100.00	7,671.11	6,962.22	31.36	38.34	174.20	-385.14	1,247.59	949.17	917.80	31.37	30.258		
6,300.00	6,167.88	7,669.58	6,962.27	31.61	38.31	174.44	-385.17	1,246.06	887.12	854.04	33.08	26.814		
6,400.00	6,267.88	7,667.19	6,962.36	31.97	38.27	174.80	-385.22	1,243.67	797.43	761.34	36.09	22.098		
6,500.00	6,367.88	7,664.62	6,962.45	32.34	38.22	175.20	-385.28	1,241.11	710.49	670.70	39.79	17.856		
6,600.00	6,467.88	7,661.85	6,962.56	32.70	38.17	175.62	-385.34	1,238.34	627.43	583.07	44.36	14.144		
6,700.00	6,567.88	7,658.85	6,962.68	33.07	38.12	176.09	-385.41	1,235.34	550.02	500.07	49.95	11.012		
6,736.50	6,604.38	7,657.70	6,962.72	33.21	38.10	176.26	-385.44	1,234.19	523.67	471.42	52.24	10.023		
6,750.00	6,617.88	7,657.15	6,962.75	33.25	38.09	-97.73	-385.45	1,233.64	514.25	461.12	53.12	9.680		
6,800.00	6,667.77	7,653.08	6,962.92	33.43	38.02	-101.01	-385.55	1,229.58	481.32	424.85	56.47	8.524		
6,850.00	6,717.28	7,645.47	6,963.27	33.60	37.88	-103.06	-385.75	1,221.98	452.07	392.21	59.86	7.552		
6,900.00	6,766.09	7,633.14	6,963.85	33.79	37.68	-103.81	-386.09	1,209.67	427.20	364.06	63.14	6.766		
6,950.00	6,813.90	7,617.17	6,964.63	33.99	37.41	-103.48	-386.55	1,193.72	407.33	341.26	66.06	6.166		
7,000.00	6,860.42	7,597.60	6,965.62	34.20	37.09	-102.16	-387.15	1,174.19	392.88	324.47	68.41	5.743		
7,050.00	6,905.36	7,574.53	6,966.84	34.42	36.71	-99.94	-387.91	1,151.16	384.02	314.03	69.98	5.487		
7,100.00	6,948.45	7,547.90	6,968.31	34.67	36.28	-96.92	-388.84	1,124.59	380.53	309.83	70.70	5.382		
7,110.02	6,956.83	7,542.05	6,968.64	34.73	36.19	-96.22	-389.06	1,118.75	380.44	309.69	70.75	5.377 CC, ES, SF		
7,150.00	6,989.41	7,517.51	6,970.00	34.94	35.82	-93.20	-389.96	1,094.26	381.87	311.24	70.63	5.407		
7,200.00	7,028.00	7,484.22	6,971.84	35.24	35.31	-89.05	-391.21	1,061.05	387.23	317.34	69.89	5.540		
7,250.00	7,063.98	7,447.10	6,973.85	35.56	34.77	-84.58	-392.63	1,024.01	395.69	326.99	68.70	5.760		
7,300.00	7,097.13	7,405.10	6,975.93	35.92	34.21	-79.91	-393.95	982.09	406.07	338.80	67.26	6.037		
7,350.00	7,127.23	7,361.71	6,977.80	36.32	33.63	-75.56	-394.90	938.74	417.39	351.66	65.73	6.350		
7,400.00	7,154.12	7,326.04	6,977.79	36.75	33.20	-72.00	-395.30	903.08	429.49	365.17	64.31	6.678		
7,450.00	7,177.61	7,291.60	6,975.43	37.22	32.79	-68.61	-395.34	868.74	442.42	379.51	62.91	7.032		
7,500.00	7,197.57	7,257.76	6,970.91	37.73	32.40	-65.38	-395.04	835.21	455.97	394.36	61.60	7.402		
7,550.00	7,213.88	7,223.96	6,964.42	38.28	32.04	-62.32	-394.42	802.04	469.81	409.37	60.44	7.773		
7,600.00	7,226.42	7,190.80	6,956.22	38.87	31.69	-59.47	-393.49	769.93	483.72	424.27	59.44	8.138		
7,650.00	7,235.13	7,156.44	6,945.89	39.48	31.36	-56.77	-392.20	737.19	497.44	438.83	58.61	8.488		
7,700.00	7,239.95	7,121.32	6,933.70	40.12	31.04	-54.27	-390.48	704.30	510.60	452.65	57.94	8.812		
7,735.44	7,241.00	7,096.61	6,924.17	40.59	30.82	-52.64	-389.02	681.56	519.48	461.90	57.58	9.021		
7,800.00	7,241.11	7,059.26	6,908.23	41.47	30.53	-51.17	-386.62	647.87	536.79	479.45	57.34	9.362		
7,900.00	7,241.27	7,009.60	6,883.87	42.96	30.17	-49.08	-384.05	604.69	570.38	513.03	57.35	9.945		
8,000.00	7,241.44	6,963.37	6,858.07	44.59	29.87	-47.05	-382.36	566.38	611.91	554.37	57.54	10.634		
8,100.00	7,241.61	6,920.80	6,831.87	46.34	29.62	-45.14	-381.23	532.84	660.53	602.63	57.90	11.407		
8,200.00	7,241.77	6,880.19	6,804.86	48.20	29.40	-43.31	-380.48	502.54	715.49	657.17	58.32	12.268		
8,300.00	7,241.94	6,839.23	6,775.99	50.16	29.20	-41.48	-379.61	473.50	775.57	716.88	58.69	13.215		

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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 11N-7A-M - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 170-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,400.00	7,242.11	6,801.00	6,747.71	52.20	29.01	-39.79	-378.61	447.81	840.08	780.99	59.09	14.217		
8,500.00	7,242.27	6,801.00	6,747.71	54.31	29.01	-39.79	-378.61	447.81	909.59	849.10	60.50	15.035		
8,600.00	7,242.44	6,755.07	6,711.82	56.49	28.81	-37.83	-377.95	419.17	981.38	920.84	60.53	16.213		
8,700.00	7,242.60	6,735.00	6,695.44	58.73	28.73	-37.02	-378.08	407.58	1,057.27	996.14	61.13	17.294		
8,800.00	7,242.77	6,707.00	6,671.95	61.03	28.61	-35.93	-378.68	392.37	1,136.10	1,074.61	61.49	18.477		
8,900.00	7,242.94	6,707.00	6,671.95	63.37	28.61	-35.93	-378.68	392.37	1,217.08	1,154.85	62.24	19.555		
9,000.00	7,243.10	6,707.00	6,671.95	65.75	28.61	-35.93	-378.68	392.37	1,300.72	1,237.89	62.83	20.702		
9,100.00	7,243.27	6,707.00	6,671.95	68.18	28.61	-35.93	-378.68	392.37	1,386.53	1,323.23	63.30	21.905		
9,200.00	7,243.44	6,663.98	6,634.41	70.63	28.44	-34.38	-380.69	371.48	1,471.53	1,408.28	63.26	23.263		
9,300.00	7,243.60	6,653.72	6,625.21	73.12	28.40	-34.03	-381.38	366.98	1,559.29	1,495.76	63.53	24.543		
9,400.00	7,243.77	6,612.00	6,586.99	75.63	28.23	-32.71	-385.01	350.69	1,649.62	1,586.09	63.53	25.968		
9,500.00	7,243.94	6,612.00	6,586.99	78.17	28.23	-32.71	-385.01	350.69	1,738.85	1,675.02	63.83	27.243		
9,600.00	7,244.10	6,612.00	6,586.99	80.73	28.23	-32.71	-385.01	350.69	1,829.19	1,765.11	64.08	28.546		
9,700.00	7,244.27	6,612.00	6,586.99	83.31	28.23	-32.71	-385.01	350.69	1,920.49	1,856.20	64.29	29.873		
9,800.00	7,244.44	6,612.00	6,586.99	85.91	28.23	-32.71	-385.01	350.69	2,012.62	1,948.16	64.46	31.221		
9,900.00	7,244.60	6,612.00	6,586.99	88.53	28.23	-32.71	-385.01	350.69	2,105.47	2,040.85	64.61	32.586		
10,000.00	7,244.77	6,612.00	6,586.99	91.16	28.23	-32.71	-385.01	350.69	2,198.94	2,134.20	64.74	33.967		
10,100.00	7,244.94	6,612.00	6,586.99	93.81	28.23	-32.71	-385.01	350.69	2,292.96	2,228.12	64.85	35.360		
10,200.00	7,245.10	6,612.00	6,586.99	96.46	28.23	-32.71	-385.01	350.69	2,387.47	2,322.53	64.94	36.764		
10,300.00	7,245.27	6,612.00	6,586.99	99.14	28.23	-32.71	-385.01	350.69	2,482.41	2,417.39	65.02	38.178		
10,400.00	7,245.43	6,612.00	6,586.99	101.82	28.23	-32.71	-385.01	350.69	2,577.74	2,512.64	65.10	39.599		
10,500.00	7,245.60	6,570.86	6,548.16	104.51	28.07	-31.48	-388.93	337.70	2,671.60	2,606.49	65.11	41.031		
10,600.00	7,245.77	6,566.21	6,543.71	107.21	28.05	-31.34	-389.34	336.42	2,767.15	2,701.98	65.18	42.457		
10,700.00	7,245.93	6,561.83	6,539.51	109.92	28.03	-31.21	-389.71	335.26	2,862.97	2,797.73	65.23	43.887		
10,800.00	7,246.10	6,557.71	6,535.54	112.64	28.01	-31.09	-390.05	334.19	2,959.02	2,893.73	65.29	45.321		
10,900.00	7,246.27	6,518.00	6,496.93	115.37	27.85	-29.94	-393.03	325.47	3,056.64	2,991.33	65.31	46.803		
11,000.00	7,246.43	6,518.00	6,496.93	118.10	27.85	-29.94	-393.03	325.47	3,152.85	3,087.48	65.37	48.232		
11,100.00	7,246.60	6,518.00	6,496.93	120.84	27.85	-29.94	-393.03	325.47	3,249.29	3,183.86	65.42	49.665		
11,200.00	7,246.77	6,518.00	6,496.93	123.58	27.85	-29.94	-393.03	325.47	3,345.94	3,280.46	65.48	51.101		
11,300.00	7,246.93	6,518.00	6,496.93	126.34	27.85	-29.94	-393.03	325.47	3,442.78	3,377.25	65.53	52.539		
11,340.34	7,247.00	6,518.00	6,496.93	127.45	27.85	-29.94	-393.03	325.47	3,481.89	3,416.35	65.55	53.121		
11,400.00	7,247.10	6,518.00	6,496.93	129.09	27.85	-33.92	-393.03	325.47	3,539.72	3,474.14	65.57	53.981		
11,500.00	7,247.27	6,518.00	6,496.93	131.84	27.85	-39.96	-393.03	325.47	3,636.38	3,570.77	65.61	55.425		
11,586.15	7,247.43	6,518.00	6,496.93	134.20	27.85	-44.52	-393.03	325.47	3,719.34	3,653.70	65.63	56.670		
11,600.00	7,247.45	6,518.00	6,496.93	134.57	27.85	-44.52	-393.03	325.47	3,732.65	3,667.02	65.63	56.871		
11,700.00	7,247.64	6,518.00	6,496.93	137.31	27.85	-44.52	-393.03	325.47	3,828.88	3,763.23	65.66	58.316		
11,800.00	7,247.82	6,518.00	6,496.93	140.05	27.85	-44.52	-393.03	325.47	3,925.30	3,859.62	65.68	59.763		
11,900.00	7,248.00	6,518.00	6,496.93	142.79	27.85	-44.52	-393.03	325.47	4,021.90	3,956.19	65.71	61.211		
12,000.00	7,248.18	6,518.00	6,496.93	145.53	27.85	-44.52	-393.03	325.47	4,118.66	4,052.93	65.73	62.660		
12,100.00	7,248.37	6,518.00	6,496.93	148.28	27.85	-44.52	-393.03	325.47	4,215.57	4,149.81	65.76	64.109		
12,200.00	7,248.55	6,518.00	6,496.93	151.04	27.85	-44.52	-393.03	325.47	4,312.62	4,246.83	65.78	65.559		
12,300.00	7,248.73	6,518.00	6,496.93	153.80	27.85	-44.52	-393.03	325.47	4,409.80	4,343.99	65.81	67.008		
12,400.00	7,248.91	6,518.00	6,496.93	156.56	27.85	-44.52	-393.03	325.47	4,507.10	4,441.27	65.84	68.457		
12,500.00	7,249.10	6,518.00	6,496.93	159.32	27.85	-44.52	-393.03	325.47	4,604.53	4,538.66	65.87	69.906		
12,600.00	7,249.28	6,518.00	6,496.93	162.09	27.85	-44.52	-393.03	325.47	4,702.05	4,636.16	65.90	71.354		
12,700.00	7,249.46	6,518.00	6,496.93	164.86	27.85	-44.52	-393.03	325.47	4,799.69	4,733.76	65.93	72.801		
12,800.00	7,249.64	6,518.00	6,496.93	167.63	27.85	-44.52	-393.03	325.47	4,897.41	4,831.45	65.96	74.247		
12,900.00	7,249.83	6,518.00	6,496.93	170.40	27.85	-44.52	-393.03	325.47	4,995.23	4,929.23	65.99	75.692		
13,000.00	7,250.01	6,518.00	6,496.93	173.18	27.85	-44.52	-393.03	325.47	5,093.13	5,027.10	66.03	77.135		
13,100.00	7,250.19	6,518.00	6,496.93	175.96	27.85	-44.52	-393.03	325.47	5,191.11	5,125.05	66.06	78.577		
13,200.00	7,250.37	6,518.00	6,496.93	178.74	27.85	-44.52	-393.03	325.47	5,289.17	5,223.07	66.10	80.016		

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Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 170-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,300.00	7,250.56	6,518.00	6,496.93	181.52	27.85	-44.52	-393.03	325.47	5,387.30	5,321.16	66.14	81.454		
13,400.00	7,250.74	6,518.00	6,496.93	184.31	27.85	-44.52	-393.03	325.47	5,485.49	5,419.31	66.18	82.890		
13,500.00	7,250.92	6,518.00	6,496.93	187.09	27.85	-44.52	-393.03	325.47	5,583.75	5,517.53	66.22	84.324		
13,600.00	7,251.10	6,518.00	6,496.93	189.88	27.85	-44.52	-393.03	325.47	5,682.07	5,615.81	66.26	85.755		
13,700.00	7,251.29	6,518.00	6,496.93	192.67	27.85	-44.52	-393.03	325.47	5,780.45	5,714.15	66.30	87.184		
13,800.00	7,251.47	6,518.00	6,496.93	195.47	27.85	-44.52	-393.03	325.47	5,878.88	5,812.54	66.35	88.610		
13,900.00	7,251.65	6,518.00	6,496.93	198.26	27.85	-44.52	-393.03	325.47	5,977.37	5,910.98	66.39	90.034		
14,000.00	7,251.83	6,518.00	6,496.93	201.05	27.85	-44.52	-393.03	325.47	6,075.90	6,009.47	66.44	91.455		
14,100.00	7,252.01	6,477.71	6,457.21	203.85	27.68	-43.09	-395.35	319.14	6,173.32	6,106.82	66.51	92.821		
14,200.00	7,252.20	6,476.25	6,455.76	206.65	27.68	-43.04	-395.42	318.95	6,271.87	6,205.31	66.56	94.233		
14,300.00	7,252.38	6,474.83	6,454.36	209.45	27.67	-42.99	-395.48	318.76	6,370.45	6,303.84	66.61	95.642		
14,400.00	7,252.56	6,473.45	6,452.99	212.25	27.67	-42.94	-395.55	318.59	6,469.08	6,402.42	66.66	97.048		
14,500.00	7,252.74	6,472.11	6,451.66	215.05	27.66	-42.89	-395.61	318.42	6,567.74	6,501.03	66.71	98.451		
14,600.00	7,252.93	6,470.81	6,450.37	217.86	27.66	-42.85	-395.66	318.26	6,666.44	6,599.68	66.76	99.851		
14,700.00	7,253.11	6,469.54	6,449.12	220.66	27.65	-42.80	-395.72	318.11	6,765.18	6,698.36	66.82	101.247		
14,800.00	7,253.29	6,468.31	6,447.90	223.47	27.65	-42.76	-395.77	317.96	6,863.95	6,797.08	66.87	102.640		
14,900.00	7,253.47	6,467.11	6,446.71	226.27	27.64	-42.72	-395.82	317.82	6,962.76	6,895.83	66.93	104.030		
15,000.00	7,253.66	6,465.95	6,445.55	229.08	27.64	-42.68	-395.87	317.68	7,061.59	6,994.60	66.99	105.416		
15,100.00	7,253.84	6,425.00	6,404.79	231.89	27.47	-41.28	-397.17	314.03	7,161.58	7,094.52	67.06	106.790		
15,200.00	7,254.02	6,425.00	6,404.79	234.70	27.47	-41.28	-397.17	314.03	7,260.42	7,193.29	67.12	108.168		
15,300.00	7,254.20	6,425.00	6,404.79	237.51	27.47	-41.28	-397.17	314.03	7,359.28	7,292.10	67.18	109.543		
15,400.00	7,254.39	6,425.00	6,404.79	240.32	27.47	-41.28	-397.17	314.03	7,458.18	7,390.93	67.24	110.915		
15,500.00	7,254.57	6,425.00	6,404.79	243.13	27.47	-41.28	-397.17	314.03	7,557.10	7,489.80	67.30	112.283		
15,600.00	7,254.75	6,425.00	6,404.79	245.94	27.47	-41.28	-397.17	314.03	7,656.05	7,588.69	67.37	113.647		
15,700.00	7,254.93	6,425.00	6,404.79	248.76	27.47	-41.28	-397.17	314.03	7,755.03	7,687.60	67.43	115.007		
15,800.00	7,255.12	6,425.00	6,404.79	251.57	27.47	-41.28	-397.17	314.03	7,854.04	7,786.54	67.50	116.363		
15,900.00	7,255.30	6,425.00	6,404.79	254.39	27.47	-41.28	-397.17	314.03	7,953.07	7,885.51	67.56	117.716		
16,000.00	7,255.48	6,425.00	6,404.79	257.20	27.47	-41.28	-397.17	314.03	8,052.12	7,984.50	67.63	119.064		
16,100.00	7,255.66	6,425.00	6,404.79	260.02	27.47	-41.28	-397.17	314.03	8,151.20	8,083.50	67.70	120.409		
16,200.00	7,255.85	6,425.00	6,404.79	262.84	27.47	-41.28	-397.17	314.03	8,250.30	8,182.54	67.76	121.749		
16,300.00	7,256.03	6,425.00	6,404.79	265.65	27.47	-41.28	-397.17	314.03	8,349.42	8,281.59	67.83	123.086		
16,400.00	7,256.21	6,425.00	6,404.79	268.47	27.47	-41.28	-397.17	314.03	8,448.56	8,380.66	67.90	124.418		
16,500.00	7,256.39	6,425.00	6,404.79	271.29	27.47	-41.28	-397.17	314.03	8,547.72	8,479.75	67.98	125.746		
16,600.00	7,256.58	6,425.00	6,404.79	274.11	27.47	-41.28	-397.17	314.03	8,646.91	8,578.86	68.05	127.071		
16,700.00	7,256.76	6,425.00	6,404.79	276.93	27.47	-41.28	-397.17	314.03	8,746.11	8,677.98	68.12	128.390		
16,800.00	7,256.94	6,425.00	6,404.79	279.75	27.47	-41.28	-397.17	314.03	8,845.32	8,777.13	68.20	129.706		
16,900.00	7,257.12	6,425.00	6,404.79	282.57	27.47	-41.28	-397.17	314.03	8,944.56	8,876.29	68.27	131.017		
17,000.00	7,257.30	6,425.00	6,404.79	285.40	27.47	-41.28	-397.17	314.03	9,043.81	8,975.46	68.35	132.324		
17,100.00	7,257.49	6,425.00	6,404.79	288.22	27.47	-41.28	-397.17	314.03	9,143.08	9,074.66	68.42	133.627		
17,200.00	7,257.67	6,425.00	6,404.79	291.04	27.47	-41.28	-397.17	314.03	9,242.36	9,173.86	68.50	134.925		
17,300.00	7,257.85	6,425.00	6,404.79	293.87	27.47	-41.28	-397.17	314.03	9,341.66	9,273.08	68.58	136.219		
17,400.00	7,258.03	6,425.00	6,404.79	296.69	27.47	-41.28	-397.17	314.03	9,440.98	9,372.32	68.66	137.508		
17,500.00	7,258.22	6,425.00	6,404.79	299.51	27.47	-41.28	-397.17	314.03	9,540.30	9,471.57	68.74	138.793		
17,600.00	7,258.40	6,425.00	6,404.79	302.34	27.47	-41.28	-397.17	314.03	9,639.65	9,570.83	68.82	140.073		
17,700.00	7,258.58	6,425.00	6,404.79	305.16	27.47	-41.28	-397.17	314.03	9,739.00	9,670.10	68.90	141.349		
17,800.00	7,258.76	6,425.00	6,404.79	307.99	27.47	-41.28	-397.17	314.03	9,838.37	9,769.39	68.98	142.620		
17,900.00	7,258.95	6,425.00	6,404.79	310.82	27.47	-41.28	-397.17	314.03	9,937.75	9,868.69	69.07	143.887		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	139.26	-587.99	506.43	776.10					
100.00	100.00	75.51	75.51	3.28	3.28	139.27	-588.59	506.74	776.79	770.22	6.57	118.229		
200.00	200.00	169.33	169.30	3.34	3.31	139.32	-590.86	507.85	779.37	772.72	6.65	117.219		
300.00	299.98	293.91	293.85	3.44	3.42	48.86	-592.93	507.27	779.18	772.31	6.87	113.457		
400.00	399.84	432.74	432.53	3.60	3.64	49.69	-592.55	501.36	772.87	765.60	7.27	106.267		
500.00	499.45	557.89	557.00	3.81	3.91	51.16	-590.40	488.66	759.43	751.65	7.78	97.607		
600.00	598.70	651.18	649.57	4.05	4.15	52.72	-588.70	477.21	742.90	734.65	8.25	90.066		
700.00	697.47	727.18	724.93	4.34	4.37	54.38	-589.21	467.43	726.44	717.72	8.72	83.353		
800.00	795.62	795.00	792.20	4.66	4.57	56.13	-592.38	459.43	712.41	703.19	9.22	77.262		
849.22	843.68	827.21	824.12	4.84	4.68	57.04	-594.83	455.91	706.58	697.09	9.49	74.456		
900.00	893.16	863.37	859.91	5.02	4.80	58.00	-598.18	452.05	701.46	691.67	9.79	71.657		
1,000.00	990.60	942.23	937.89	5.41	5.07	60.15	-607.10	444.30	694.54	684.11	10.44	66.553		
1,100.00	1,088.05	1,021.48	1,016.33	5.83	5.34	62.22	-616.64	438.38	690.88	679.76	11.12	62.153		
1,142.18	1,129.14	1,053.19	1,047.73	6.01	5.46	63.01	-620.77	436.78	690.51	679.11	11.40	60.555 CC, ES		
1,200.00	1,185.49	1,096.32	1,090.42	6.26	5.61	64.04	-626.72	435.36	691.19	679.39	11.80	58.579		
1,300.00	1,282.93	1,170.00	1,163.21	6.70	5.88	65.69	-638.10	434.82	695.69	683.21	12.49	55.715		
1,400.00	1,380.37	1,258.19	1,250.10	7.15	6.20	67.57	-653.12	435.80	703.30	690.06	13.24	53.113		
1,500.00	1,477.82	1,344.59	1,335.03	7.62	6.53	69.41	-668.98	436.68	713.06	699.06	14.01	50.912		
1,600.00	1,575.26	1,434.83	1,423.50	8.09	6.89	71.35	-686.77	437.03	724.86	710.06	14.80	48.965		
1,700.00	1,672.70	1,524.43	1,511.20	8.57	7.26	73.24	-705.14	437.22	738.33	722.72	15.61	47.296		
1,800.00	1,770.15	1,617.72	1,602.39	9.05	7.66	75.14	-724.80	437.59	753.32	736.87	16.45	45.795		
1,900.00	1,867.59	1,709.54	1,692.11	9.54	8.06	76.94	-744.32	438.15	769.39	752.10	17.29	44.501		
2,000.00	1,965.03	1,810.46	1,790.64	10.03	8.51	78.82	-766.12	438.99	786.67	768.47	18.20	43.229		
2,100.00	2,062.48	1,915.26	1,893.31	10.53	8.98	80.66	-787.11	440.05	803.14	784.00	19.14	41.961		
2,200.00	2,159.92	2,018.40	1,994.50	11.03	9.45	82.42	-807.08	440.69	819.63	799.55	20.08	40.818		
2,300.00	2,257.36	2,112.66	2,087.06	11.53	9.88	84.04	-824.91	440.08	836.29	815.32	20.97	39.883		
2,400.00	2,354.81	2,212.98	2,185.56	12.03	10.35	85.64	-843.86	440.33	853.64	831.73	21.90	38.975		
2,500.00	2,452.25	2,306.82	2,277.77	12.54	10.78	87.09	-861.30	440.40	871.28	848.48	22.80	38.221		
2,600.00	2,549.69	2,404.14	2,373.37	13.04	11.24	88.62	-879.49	439.30	889.63	865.91	23.72	37.509		
2,700.00	2,647.13	2,506.20	2,473.72	13.55	11.72	90.13	-898.10	438.54	908.11	883.43	24.68	36.799		
2,800.00	2,744.58	2,602.57	2,568.53	14.06	12.17	91.46	-915.35	438.44	926.76	901.16	25.60	36.205		
2,900.00	2,842.02	2,704.20	2,668.58	14.57	12.64	92.82	-933.17	438.21	945.55	918.99	26.56	35.602		
3,000.00	2,939.46	2,791.28	2,754.29	15.09	13.05	94.05	-948.43	436.10	965.05	937.63	27.41	35.204		
3,100.00	3,036.91	2,879.87	2,841.36	15.60	13.48	95.30	-964.47	433.12	985.76	957.48	28.28	34.859		
3,200.00	3,134.35	2,973.43	2,933.25	16.11	13.92	96.56	-981.83	430.26	1,007.38	978.20	29.18	34.519		
3,300.00	3,231.79	3,073.25	3,031.32	16.63	14.40	97.81	-1,000.31	427.81	1,029.34	999.20	30.14	34.150		
3,400.00	3,329.24	3,166.87	3,123.31	17.14	14.85	98.91	-1,017.61	426.04	1,051.58	1,020.53	31.05	33.868		
3,500.00	3,426.68	3,265.12	3,219.84	17.66	15.33	99.99	-1,035.82	424.54	1,074.17	1,042.17	32.00	33.571		
3,600.00	3,524.12	3,372.56	3,325.53	18.18	15.84	101.09	-1,055.13	423.91	1,096.34	1,063.32	33.02	33.201		
3,700.00	3,621.57	3,471.29	3,422.71	18.69	16.31	102.01	-1,072.50	424.20	1,118.25	1,084.27	33.97	32.915		
3,800.00	3,719.01	3,573.36	3,523.23	19.21	16.80	102.92	-1,090.24	424.78	1,140.14	1,105.18	34.95	32.618		
3,900.00	3,816.45	3,679.33	3,627.75	19.73	17.30	103.83	-1,107.75	425.54	1,161.42	1,125.46	35.96	32.294		
4,000.00	3,913.90	3,784.33	3,711.68	20.25	17.71	104.62	-1,121.11	424.51	1,182.79	1,145.99	36.81	32.137		
4,100.00	4,011.34	3,887.44	3,783.68	20.77	18.06	105.32	-1,133.64	422.40	1,206.20	1,168.66	37.54	32.131		
4,200.00	4,108.78	3,981.58	3,866.34	21.29	18.46	106.10	-1,149.06	419.66	1,231.11	1,192.75	38.36	32.090		
4,300.00	4,206.22	4,085.25	3,948.42	21.81	18.87	106.86	-1,165.02	416.51	1,257.15	1,217.96	39.18	32.084		
4,400.00	4,303.67	4,098.35	4,039.65	22.33	19.33	107.68	-1,183.21	412.81	1,283.94	1,243.85	40.09	32.026		
4,500.00	4,401.11	4,181.83	4,121.36	22.85	19.75	108.36	-1,200.01	409.70	1,311.42	1,270.51	40.91	32.059		
4,600.00	4,498.55	4,288.64	4,225.86	23.37	20.28	109.18	-1,221.78	406.12	1,339.22	1,297.27	41.95	31.922		
4,700.00	4,596.00	4,395.28	4,330.40	23.89	20.80	109.96	-1,242.62	403.16	1,366.25	1,323.25	42.99	31.778		
4,800.00	4,693.44	4,475.37	4,408.83	24.41	21.20	110.48	-1,258.82	401.67	1,393.68	1,349.90	43.78	31.833		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 141-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
4,900.00	4,790.88	4,564.96	4,496.34	24.93	21.65	110.99	-1,277.99	401.14	1,421.82	1,377.16	44.66	31.834					
5,000.00	4,888.33	4,665.37	4,594.39	25.46	22.16	111.52	-1,299.58	400.76	1,450.10	1,404.44	45.66	31.761					
5,100.00	4,985.77	4,756.71	4,683.66	25.98	22.61	112.01	-1,318.91	399.79	1,478.44	1,431.88	46.56	31.755					
5,200.00	5,083.21	4,872.23	4,796.78	26.50	23.19	112.64	-1,342.29	398.41	1,506.10	1,458.40	47.69	31.578					
5,300.00	5,180.66	4,968.93	4,891.59	27.02	23.67	113.17	-1,361.25	396.61	1,533.64	1,484.99	48.64	31.528					
5,400.00	5,278.10	5,085.46	5,005.95	27.55	24.24	113.73	-1,383.59	396.48	1,560.12	1,510.34	49.78	31.340					
5,500.00	5,375.54	5,197.41	5,115.87	28.07	24.79	114.20	-1,404.80	397.88	1,585.97	1,535.11	50.87	31.178					
5,582.90	5,456.32	5,310.53	5,227.24	28.50	25.34	114.67	-1,424.52	399.95	1,606.16	1,554.22	51.93	30.927					
5,600.00	5,473.00	5,334.75	5,251.14	28.59	25.46	114.84	-1,428.37	400.38	1,610.08	1,557.92	52.16	30.869					
5,700.00	5,570.93	5,436.56	5,351.78	29.10	25.94	115.61	-1,443.71	402.20	1,631.46	1,578.33	53.12	30.711					
5,800.00	5,669.52	5,505.00	5,419.32	29.57	26.26	116.16	-1,454.71	402.85	1,652.63	1,598.84	53.79	30.722					
5,900.00	5,768.62	5,582.22	5,495.37	30.03	26.64	116.65	-1,468.09	402.96	1,673.79	1,619.29	54.51	30.707					
6,000.00	5,868.13	5,705.82	5,617.18	30.45	27.23	117.05	-1,489.00	402.47	1,693.40	1,637.79	55.61	30.454					
6,100.00	5,967.93	5,768.26	5,678.64	30.86	27.54	117.32	-1,500.03	402.49	1,711.73	1,655.58	56.15	30.485					
6,200.00	6,067.88	5,839.55	5,748.55	31.24	27.89	117.48	-1,514.00	402.89	1,730.09	1,673.34	56.75	30.488					
6,232.12	6,100.00	5,862.55	5,771.04	31.36	28.01	-151.78	-1,518.78	403.05	1,735.98	1,679.05	56.93	30.493					
6,300.00	6,167.88	5,958.17	5,864.62	31.61	28.49	-152.12	-1,538.42	403.92	1,748.14	1,690.36	57.77	30.259					
6,400.00	6,267.88	6,080.31	5,984.73	31.97	29.08	-152.48	-1,560.56	404.78	1,763.86	1,705.05	58.81	29.992					
6,500.00	6,367.88	6,153.56	6,056.76	32.34	29.44	-152.69	-1,573.90	404.91	1,780.00	1,720.59	59.41	29.962					
6,600.00	6,467.88	6,296.73	6,197.61	32.70	30.14	-153.10	-1,599.43	406.00	1,795.57	1,734.94	60.63	29.615					
6,700.00	6,567.88	7,309.12	6,952.07	33.07	34.31	-171.39	-1,753.18	946.85	1,801.86	1,737.42	64.44	27.962					
6,736.50	6,604.38	7,329.92	6,957.61	33.21	34.51	-172.04	-1,754.88	966.82	1,794.15	1,729.07	65.08	27.570					
6,750.00	6,617.88	7,336.43	6,959.23	33.25	34.57	-85.40	-1,755.41	973.10	1,791.44	1,726.14	65.30	27.435					
6,800.00	6,667.77	7,352.94	6,963.14	33.43	34.74	-86.80	-1,756.76	989.09	1,782.01	1,715.96	66.05	26.981					
6,850.00	6,717.28	7,360.03	6,964.71	33.60	34.81	-87.79	-1,757.33	995.98	1,773.67	1,706.98	66.69	26.596					
6,900.00	6,766.09	7,360.18	6,964.74	33.79	34.81	-88.44	-1,757.35	996.12	1,766.54	1,699.31	67.23	26.275					
6,950.00	6,813.90	7,355.08	6,963.62	33.99	34.76	-88.80	-1,756.93	991.17	1,760.70	1,693.01	67.69	26.011					
7,000.00	6,860.42	7,345.97	6,961.53	34.20	34.67	-88.92	-1,756.19	982.33	1,756.15	1,688.08	68.07	25.799					
7,050.00	6,905.36	7,333.71	6,958.56	34.42	34.54	-88.82	-1,755.19	970.48	1,752.89	1,684.51	68.38	25.633					
7,100.00	6,948.45	7,318.95	6,954.75	34.67	34.40	-88.54	-1,753.98	956.27	1,750.88	1,682.24	68.64	25.509					
7,150.00	6,989.41	7,302.18	6,950.10	34.94	34.24	-88.09	-1,752.62	940.21	1,750.05	1,681.21	68.84	25.422					
7,158.75	6,996.34	7,307.68	6,951.68	34.99	34.28	-88.26	-1,753.02	945.47	1,750.00	1,681.08	68.93	25.390					
7,200.00	7,028.00	7,280.67	6,943.66	35.24	34.06	-87.41	-1,750.86	919.77	1,750.35	1,681.36	68.99	25.372					
7,250.00	7,063.98	7,247.73	6,932.80	35.56	33.82	-86.32	-1,747.99	888.81	1,751.56	1,682.52	69.04	25.370					
7,300.00	7,097.13	7,214.65	6,920.72	35.92	33.62	-85.18	-1,744.85	858.17	1,753.54	1,684.46	69.08	25.385					
7,350.00	7,127.23	7,185.89	6,909.27	36.32	33.47	-84.13	-1,741.91	831.96	1,756.18	1,687.02	69.16	25.393					
7,400.00	7,154.12	7,165.09	6,900.33	36.75	33.38	-83.25	-1,739.76	813.30	1,759.50	1,690.14	69.35	25.370					
7,450.00	7,177.61	7,143.82	6,890.58	37.22	33.30	-82.33	-1,737.56	794.52	1,763.44	1,693.88	69.56	25.351					
7,500.00	7,197.57	7,122.16	6,880.04	37.73	33.23	-81.37	-1,735.33	775.74	1,767.91	1,698.12	69.79	25.331					
7,550.00	7,213.88	7,099.00	6,868.08	38.28	33.16	-80.35	-1,732.95	756.05	1,772.81	1,702.78	70.04	25.313					
7,600.00	7,226.42	7,076.96	6,856.05	38.87	33.09	-79.36	-1,730.70	737.73	1,778.04	1,707.69	70.35	25.274					
7,650.00	7,235.13	7,053.58	6,842.59	39.48	33.03	-78.34	-1,728.31	718.76	1,783.48	1,712.80	70.68	25.232					
7,700.00	7,239.95	7,030.10	6,828.38	40.12	32.96	-77.34	-1,725.90	700.22	1,789.05	1,718.01	71.04	25.182					
7,735.44	7,241.00	7,735.44	6,802.72	40.59	36.67	-76.15	-1,721.47	671.14	1,792.99	1,717.99	75.00	23.907 SF					
7,800.00	7,241.11	6,930.78	6,761.69	41.47	32.68	-74.83	-1,714.02	627.70	1,800.46	1,729.10	71.36	25.231					
7,900.00	7,241.27	6,844.11	6,696.95	42.96	32.41	-72.74	-1,699.56	571.98	1,812.85	1,741.02	71.84	25.236					
8,000.00	7,241.44	6,795.25	6,658.42	44.59	32.25	-71.49	-1,690.30	543.40	1,828.34	1,755.58	72.76	25.130					
8,100.00	7,241.61	6,763.64	6,632.72	46.34	32.13	-70.66	-1,684.32	526.01	1,847.99	1,774.09	73.91	25.005					
8,200.00	7,241.77	6,720.00	6,596.25	48.20	31.98	-69.50	-1,676.22	503.45	1,872.02	1,797.12	74.91	24.991					
8,300.00	7,241.94	6,720.00	6,596.25	50.16	31.98	-69.50	-1,676.22	503.45	1,900.11	1,823.69	76.43	24.862					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 141-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
8,400.00	7,242.11	6,683.98	6,565.32	52.20	31.85	-68.52	-1,669.63	486.21	1,932.30	1,854.81	77.48	24.938					
8,500.00	7,242.27	6,661.96	6,546.05	54.31	31.76	-67.91	-1,665.60	476.35	1,968.55	1,889.89	78.66	25.027					
8,600.00	7,242.44	6,627.00	6,514.92	56.49	31.63	-66.94	-1,659.24	461.77	2,008.80	1,929.19	79.61	25.233					
8,700.00	7,242.60	6,627.00	6,514.92	58.73	31.63	-66.94	-1,659.24	461.77	2,052.50	1,971.58	80.92	25.366					
8,800.00	7,242.77	6,627.00	6,514.92	61.03	31.63	-66.94	-1,659.24	461.77	2,100.05	2,017.92	82.13	25.569					
8,900.00	7,242.94	6,593.22	6,484.23	63.37	31.49	-65.99	-1,653.03	449.11	2,150.52	2,067.64	82.88	25.947					
9,000.00	7,243.10	6,580.15	6,472.20	65.75	31.44	-65.62	-1,650.59	444.64	2,204.35	2,120.56	83.79	26.308					
9,100.00	7,243.27	6,568.36	6,461.26	68.18	31.39	-65.28	-1,648.36	440.81	2,261.14	2,176.50	84.63	26.717					
9,200.00	7,243.44	6,533.00	6,428.13	70.63	31.25	-64.27	-1,641.60	430.52	2,321.09	2,235.96	85.13	27.266					
9,300.00	7,243.60	6,533.00	6,428.13	73.12	31.25	-64.27	-1,641.60	430.52	2,382.97	2,297.01	85.96	27.721					
9,400.00	7,243.77	6,533.00	6,428.13	75.63	31.25	-64.27	-1,641.60	430.52	2,447.37	2,360.65	86.72	28.222					
9,500.00	7,243.94	6,533.00	6,428.13	78.17	31.25	-64.27	-1,641.60	430.52	2,514.10	2,426.70	87.40	28.764					
9,600.00	7,244.10	6,533.00	6,428.13	80.73	31.25	-64.27	-1,641.60	430.52	2,582.98	2,494.96	88.02	29.344					
9,700.00	7,244.27	6,533.00	6,428.13	83.31	31.25	-64.27	-1,641.60	430.52	2,653.85	2,565.26	88.58	29.958					
9,800.00	7,244.44	6,533.00	6,428.13	85.91	31.25	-64.27	-1,641.60	430.52	2,726.53	2,637.44	89.09	30.604					
9,900.00	7,244.60	6,533.00	6,428.13	88.53	31.25	-64.27	-1,641.60	430.52	2,800.91	2,711.36	89.55	31.279					
10,000.00	7,244.77	6,533.00	6,428.13	91.16	31.25	-64.27	-1,641.60	430.52	2,876.83	2,786.87	89.96	31.980					
10,100.00	7,244.94	6,533.00	6,428.13	93.81	31.25	-64.27	-1,641.60	430.52	2,954.19	2,863.86	90.33	32.705					
10,200.00	7,245.10	6,533.00	6,428.13	96.46	31.25	-64.27	-1,641.60	430.52	3,032.88	2,942.22	90.66	33.452					
10,300.00	7,245.27	6,494.56	6,391.46	99.14	31.07	-63.16	-1,634.27	421.61	3,111.39	3,020.76	90.63	34.330					
10,400.00	7,245.43	6,491.17	6,388.20	101.82	31.06	-63.06	-1,633.64	420.95	3,192.16	3,101.28	90.88	35.125					
10,500.00	7,245.60	6,487.98	6,385.13	104.51	31.04	-62.97	-1,633.04	420.34	3,273.98	3,182.88	91.11	35.936					
10,600.00	7,245.77	6,484.96	6,382.22	107.21	31.03	-62.88	-1,632.48	419.79	3,356.77	3,265.46	91.31	36.762					
10,700.00	7,245.93	6,482.11	6,379.46	109.92	31.02	-62.80	-1,631.95	419.28	3,440.45	3,348.96	91.49	37.603					
10,800.00	7,246.10	6,479.41	6,376.85	112.64	31.00	-62.72	-1,631.45	418.82	3,524.97	3,433.31	91.66	38.457					
10,900.00	7,246.27	6,440.00	6,338.47	115.37	30.83	-61.58	-1,624.28	413.48	3,611.58	3,520.09	91.49	39.475					
11,000.00	7,246.43	6,440.00	6,338.47	118.10	30.83	-61.58	-1,624.28	413.48	3,697.44	3,605.78	91.65	40.342					
11,100.00	7,246.60	6,440.00	6,338.47	120.84	30.83	-61.58	-1,624.28	413.48	3,783.99	3,692.19	91.80	41.220					
11,200.00	7,246.77	6,440.00	6,338.47	123.58	30.83	-61.58	-1,624.28	413.48	3,871.19	3,779.25	91.93	42.108					
11,300.00	7,246.93	6,440.00	6,338.47	126.34	30.83	-61.58	-1,624.28	413.48	3,959.00	3,866.94	92.06	43.006					
11,340.34	7,247.00	6,440.00	6,338.47	127.45	30.83	-61.58	-1,624.28	413.48	3,994.58	3,902.48	92.10	43.370					
11,400.00	7,247.10	6,440.00	6,338.47	129.09	30.83	-62.62	-1,624.28	413.48	4,047.11	3,954.94	92.17	43.910					
11,500.00	7,247.27	6,440.00	6,338.47	131.84	30.83	-64.22	-1,624.28	413.48	4,134.43	4,042.16	92.26	44.811					
11,586.15	7,247.43	6,440.00	6,338.47	134.20	30.83	-65.48	-1,624.28	413.48	4,208.88	4,116.54	92.33	45.583					
11,600.00	7,247.45	6,440.00	6,338.47	134.57	30.83	-65.48	-1,624.28	413.48	4,220.80	4,128.45	92.34	45.707					
11,700.00	7,247.64	6,440.00	6,338.47	137.31	30.83	-65.48	-1,624.28	413.48	4,307.18	4,214.76	92.42	46.606					
11,800.00	7,247.82	6,440.00	6,338.47	140.05	30.83	-65.48	-1,624.28	413.48	4,394.14	4,301.66	92.48	47.514					
11,900.00	7,248.00	6,440.00	6,338.47	142.79	30.83	-65.48	-1,624.28	413.48	4,481.65	4,389.11	92.54	48.430					
12,000.00	7,248.18	6,440.00	6,338.47	145.53	30.83	-65.48	-1,624.28	413.48	4,569.66	4,477.07	92.59	49.353					
12,100.00	7,248.37	6,440.00	6,338.47	148.28	30.83	-65.48	-1,624.28	413.48	4,658.17	4,565.53	92.64	50.284					
12,200.00	7,248.55	6,440.00	6,338.47	151.04	30.83	-65.48	-1,624.28	413.48	4,747.12	4,654.44	92.68	51.221					
12,300.00	7,248.73	6,440.00	6,338.47	153.80	30.83	-65.48	-1,624.28	413.48	4,836.51	4,743.80	92.72	52.164					
12,400.00	7,248.91	6,440.00	6,338.47	156.56	30.83	-65.48	-1,624.28	413.48	4,926.31	4,833.56	92.75	53.113					
12,500.00	7,249.10	6,440.00	6,338.47	159.32	30.83	-65.48	-1,624.28	413.48	5,016.49	4,923.71	92.78	54.067					
12,600.00	7,249.28	6,440.00	6,338.47	162.09	30.83	-65.48	-1,624.28	413.48	5,107.04	5,014.23	92.81	55.027					
12,700.00	7,249.46	6,440.00	6,338.47	164.86	30.83	-65.48	-1,624.28	413.48	5,197.94	5,105.10	92.84	55.991					
12,800.00	7,249.64	6,440.00	6,338.47	167.63	30.83	-65.48	-1,624.28	413.48	5,289.16	5,196.30	92.86	56.959					
12,900.00	7,249.83	6,440.00	6,338.47	170.40	30.83	-65.48	-1,624.28	413.48	5,380.70	5,287.82	92.88	57.932					
13,000.00	7,250.01	6,440.00	6,338.47	173.18	30.83	-65.48	-1,624.28	413.48	5,472.53	5,379.63	92.90	58.908					
13,100.00	7,250.19	6,440.00	6,338.47	175.96	30.83	-65.48	-1,624.28	413.48	5,564.64	5,471.72	92.92	59.888					
13,200.00	7,250.37	6,440.00	6,338.47	178.74	30.83	-65.48	-1,624.28	413.48	5,657.02	5,564.09	92.93	60.871					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,300.00	7,250.56	6,440.00	6,338.47	181.52	30.83	-65.48	-1,624.28	413.48	5,749.66	5,656.71	92.95	61.857		
13,400.00	7,250.74	6,440.00	6,338.47	184.31	30.83	-65.48	-1,624.28	413.48	5,842.54	5,749.57	92.97	62.846		
13,500.00	7,250.92	6,440.00	6,338.47	187.09	30.83	-65.48	-1,624.28	413.48	5,935.65	5,842.67	92.98	63.838		
13,600.00	7,251.10	6,440.00	6,338.47	189.88	30.83	-65.48	-1,624.28	413.48	6,028.98	5,935.99	92.99	64.832		
13,700.00	7,251.29	6,440.00	6,338.47	192.67	30.83	-65.48	-1,624.28	413.48	6,122.52	6,029.52	93.01	65.828		
13,800.00	7,251.47	6,440.00	6,338.47	195.47	30.83	-65.48	-1,624.28	413.48	6,216.27	6,123.25	93.02	66.826		
13,900.00	7,251.65	6,440.00	6,338.47	198.26	30.83	-65.48	-1,624.28	413.48	6,310.20	6,217.17	93.03	67.826		
14,000.00	7,251.83	6,440.00	6,338.47	201.05	30.83	-65.48	-1,624.28	413.48	6,404.32	6,311.27	93.05	68.828		
14,100.00	7,252.01	6,440.00	6,338.47	203.85	30.83	-65.48	-1,624.28	413.48	6,498.61	6,405.55	93.06	69.832		
14,200.00	7,252.20	6,440.00	6,338.47	206.65	30.83	-65.48	-1,624.28	413.48	6,593.08	6,500.00	93.07	70.837		
14,300.00	7,252.38	6,440.00	6,338.47	209.45	30.83	-65.48	-1,624.28	413.48	6,687.70	6,594.61	93.09	71.843		
14,400.00	7,252.56	6,440.00	6,338.47	212.25	30.83	-65.48	-1,624.28	413.48	6,782.48	6,689.38	93.10	72.851		
14,500.00	7,252.74	6,440.00	6,338.47	215.05	30.83	-65.48	-1,624.28	413.48	6,877.40	6,784.29	93.11	73.859		
14,600.00	7,252.93	6,440.00	6,338.47	217.86	30.83	-65.48	-1,624.28	413.48	6,972.47	6,879.34	93.13	74.869		
14,700.00	7,253.11	6,440.00	6,338.47	220.66	30.83	-65.48	-1,624.28	413.48	7,067.68	6,974.53	93.14	75.879		
14,800.00	7,253.29	6,440.00	6,338.47	223.47	30.83	-65.48	-1,624.28	413.48	7,163.01	7,069.85	93.16	76.890		
14,900.00	7,253.47	6,440.00	6,338.47	226.27	30.83	-65.48	-1,624.28	413.48	7,258.47	7,165.29	93.17	77.902		
15,000.00	7,253.66	6,440.00	6,338.47	229.08	30.83	-65.48	-1,624.28	413.48	7,354.05	7,260.86	93.19	78.914		
15,100.00	7,253.84	6,440.00	6,338.47	231.89	30.83	-65.48	-1,624.28	413.48	7,449.75	7,356.54	93.21	79.926		
15,200.00	7,254.02	6,440.00	6,338.47	234.70	30.83	-65.48	-1,624.28	413.48	7,545.56	7,452.33	93.23	80.939		
15,300.00	7,254.20	6,440.00	6,338.47	237.51	30.83	-65.48	-1,624.28	413.48	7,641.47	7,548.23	93.24	81.952		
15,400.00	7,254.39	6,440.00	6,338.47	240.32	30.83	-65.48	-1,624.28	413.48	7,737.49	7,644.23	93.26	82.965		
15,500.00	7,254.57	6,440.00	6,338.47	243.13	30.83	-65.48	-1,624.28	413.48	7,833.61	7,740.33	93.28	83.978		
15,600.00	7,254.75	6,440.00	6,338.47	245.94	30.83	-65.48	-1,624.28	413.48	7,929.82	7,836.52	93.30	84.992		
15,700.00	7,254.93	6,440.00	6,338.47	248.76	30.83	-65.48	-1,624.28	413.48	8,026.13	7,932.81	93.32	86.005		
15,800.00	7,255.12	6,440.00	6,338.47	251.57	30.83	-65.48	-1,624.28	413.48	8,122.53	8,029.18	93.34	87.018		
15,900.00	7,255.30	6,440.00	6,338.47	254.39	30.83	-65.48	-1,624.28	413.48	8,219.01	8,125.64	93.37	88.031		
16,000.00	7,255.48	6,440.00	6,338.47	257.20	30.83	-65.48	-1,624.28	413.48	8,315.58	8,222.19	93.39	89.043		
16,100.00	7,255.66	6,440.00	6,338.47	260.02	30.83	-65.48	-1,624.28	413.48	8,412.22	8,318.81	93.41	90.055		
16,200.00	7,255.85	6,440.00	6,338.47	262.84	30.83	-65.48	-1,624.28	413.48	8,508.95	8,415.51	93.44	91.067		
16,300.00	7,256.03	6,440.00	6,338.47	265.65	30.83	-65.48	-1,624.28	413.48	8,605.74	8,512.28	93.46	92.078		
16,400.00	7,256.21	6,440.00	6,338.47	268.47	30.83	-65.48	-1,624.28	413.48	8,702.61	8,609.13	93.49	93.089		
16,500.00	7,256.39	6,440.00	6,338.47	271.29	30.83	-65.48	-1,624.28	413.48	8,799.56	8,706.04	93.51	94.099		
16,600.00	7,256.58	6,440.00	6,338.47	274.11	30.83	-65.48	-1,624.28	413.48	8,896.56	8,803.02	93.54	95.108		
16,700.00	7,256.76	6,440.00	6,338.47	276.93	30.83	-65.48	-1,624.28	413.48	8,993.64	8,900.07	93.57	96.117		
16,800.00	7,256.94	6,440.00	6,338.47	279.75	30.83	-65.48	-1,624.28	413.48	9,090.78	8,997.18	93.60	97.125		
16,900.00	7,257.12	6,440.00	6,338.47	282.57	30.83	-65.48	-1,624.28	413.48	9,187.97	9,094.35	93.63	98.132		
17,000.00	7,257.30	6,399.69	6,298.95	285.40	30.63	-64.45	-1,617.15	410.03	9,284.55	9,191.15	93.41	99.398		
17,100.00	7,257.49	6,398.89	6,298.16	288.22	30.63	-64.43	-1,617.01	409.97	9,381.84	9,288.41	93.43	100.411		
17,200.00	7,257.67	6,398.10	6,297.39	291.04	30.63	-64.41	-1,616.87	409.92	9,479.19	9,385.73	93.46	101.422		
17,300.00	7,257.85	6,397.32	6,296.63	293.87	30.62	-64.39	-1,616.74	409.86	9,576.59	9,483.10	93.49	102.433		
17,400.00	7,258.03	6,396.56	6,295.88	296.69	30.62	-64.37	-1,616.60	409.81	9,674.04	9,580.52	93.52	103.443		
17,500.00	7,258.22	6,395.81	6,295.14	299.51	30.62	-64.35	-1,616.47	409.76	9,771.54	9,677.99	93.55	104.451		
17,600.00	7,258.40	6,395.08	6,294.42	302.34	30.61	-64.33	-1,616.34	409.71	9,869.10	9,775.51	93.58	105.459		
17,700.00	7,258.58	6,394.36	6,293.71	305.16	30.61	-64.31	-1,616.22	409.66	9,966.70	9,873.08	93.61	106.465		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 250-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	145.22	-727.88	505.60	886.32					
100.00	100.00	95.43	95.43	3.28	3.29	145.21	-727.59	505.41	885.92	879.35	6.57	134.811		
200.00	200.00	202.64	202.64	3.34	3.31	145.21	-726.57	504.75	884.79	878.14	6.65	133.088		
300.00	299.98	313.25	313.22	3.44	3.38	54.62	-724.42	503.84	881.72	874.89	6.83	129.093		
400.00	399.84	431.33	431.18	3.60	3.55	54.88	-719.14	503.72	874.98	867.82	7.16	122.205		
500.00	499.45	533.09	532.77	3.81	3.74	55.34	-713.39	503.08	864.96	857.41	7.56	114.478		
600.00	598.70	611.02	610.64	4.05	3.91	56.02	-710.66	501.77	854.20	846.23	7.96	107.288		
700.00	697.47	691.81	691.40	4.34	4.11	57.02	-710.49	499.65	843.86	835.43	8.44	100.002		
800.00	795.62	770.89	770.33	4.66	4.32	58.37	-713.23	496.03	834.06	825.10	8.97	93.015		
849.22	843.68	808.85	808.14	4.84	4.43	59.16	-715.72	493.58	829.61	820.36	9.24	89.745		
900.00	893.16	854.29	853.28	5.02	4.56	60.10	-719.45	490.05	825.40	815.84	9.56	86.337		
1,000.00	990.60	941.59	939.73	5.41	4.83	62.09	-728.08	481.52	818.49	808.28	10.21	80.145		
1,100.00	1,088.05	1,025.57	1,022.41	5.83	5.11	64.21	-738.51	471.12	814.03	803.14	10.90	74.688		
1,200.00	1,185.49	1,110.57	1,105.78	6.26	5.42	66.48	-750.44	459.64	812.20	800.57	11.63	69.861		
1,219.91	1,204.89	1,127.54	1,122.39	6.34	5.48	66.93	-752.94	457.30	812.15	800.37	11.78	68.970 CC, ES		
1,300.00	1,282.93	1,195.68	1,189.05	6.70	5.74	68.79	-763.38	447.75	813.00	800.62	12.38	65.673		
1,400.00	1,380.37	1,282.26	1,273.56	7.15	6.08	71.19	-777.37	435.20	816.36	803.20	13.16	62.022		
1,500.00	1,477.82	1,379.87	1,368.67	7.62	6.49	73.92	-793.38	420.17	821.62	807.61	14.01	58.630		
1,600.00	1,575.26	1,478.43	1,464.73	8.09	6.92	76.67	-808.87	404.46	828.10	813.22	14.89	55.618		
1,700.00	1,672.70	1,587.60	1,571.47	8.57	7.40	79.61	-824.31	387.56	835.11	819.28	15.83	52.757		
1,800.00	1,770.15	1,688.74	1,670.92	9.05	7.84	82.14	-836.75	374.01	842.38	825.64	16.74	50.336		
1,900.00	1,867.59	1,785.85	1,766.85	9.54	8.25	84.34	-847.83	363.86	850.50	832.89	17.62	48.280		
2,000.00	1,965.03	1,884.78	1,864.99	10.03	8.68	86.30	-858.46	357.40	859.36	840.85	18.51	46.431		
2,100.00	2,062.48	2,006.26	1,985.71	10.53	9.19	88.56	-870.20	350.69	868.31	848.80	19.51	44.505		
2,200.00	2,159.92	2,114.40	2,093.38	11.03	9.65	90.63	-877.02	343.22	874.76	854.30	20.45	42.768		
2,300.00	2,257.36	2,210.83	2,189.46	11.53	10.06	92.39	-882.89	337.47	881.94	860.60	21.34	41.321		
2,400.00	2,354.81	2,305.08	2,283.41	12.03	10.46	94.03	-888.72	332.80	890.00	867.78	22.22	40.046		
2,500.00	2,452.25	2,441.64	2,419.74	12.54	11.03	96.30	-894.02	327.31	896.42	873.12	23.29	38.483		
2,600.00	2,549.69	2,537.16	2,515.19	13.04	11.42	97.81	-896.09	324.59	901.86	877.68	24.18	37.294		
2,700.00	2,647.13	2,637.12	2,615.10	13.55	11.83	99.36	-898.17	321.88	907.88	882.79	25.09	36.182		
2,800.00	2,744.58	2,736.87	2,714.79	14.06	12.25	100.90	-899.74	319.11	914.08	888.07	26.00	35.155		
2,900.00	2,842.02	2,844.71	2,822.58	14.57	12.70	102.55	-901.06	316.03	920.65	893.71	26.94	34.170		
3,000.00	2,939.46	2,950.11	2,927.97	15.09	13.13	104.06	-900.90	314.72	926.11	898.24	27.87	33.228		
3,100.00	3,036.91	3,043.61	3,021.46	15.60	13.51	105.38	-900.79	313.57	932.19	903.44	28.75	32.419		
3,200.00	3,134.35	3,140.18	3,118.02	16.11	13.91	106.75	-900.94	312.10	939.17	909.51	29.65	31.674		
3,300.00	3,231.79	3,236.67	3,214.51	16.63	14.31	108.08	-901.06	310.71	946.65	916.10	30.55	30.989		
3,400.00	3,329.24	3,335.15	3,312.97	17.14	14.72	109.43	-901.18	309.18	954.70	923.25	31.45	30.354		
3,500.00	3,426.68	3,438.80	3,416.61	17.66	15.15	110.83	-900.92	307.75	962.88	930.50	32.38	29.740		
3,600.00	3,524.12	3,540.42	3,518.22	18.18	15.57	112.18	-900.03	306.47	970.97	937.69	33.29	29.170		
3,700.00	3,621.57	3,637.78	3,615.56	18.69	15.96	113.45	-898.99	305.37	979.35	945.18	34.18	28.656		
3,800.00	3,719.01	3,731.93	3,709.70	19.21	16.35	114.66	-898.12	304.26	988.37	953.31	35.05	28.196		
3,900.00	3,816.45	3,830.17	3,807.94	19.73	16.75	115.86	-897.60	303.56	998.00	962.06	35.95	27.763		
4,000.00	3,913.90	3,941.92	3,919.67	20.25	17.19	117.07	-897.11	305.45	1,007.02	970.14	36.88	27.304		
4,100.00	4,011.34	4,035.12	4,012.85	20.77	17.55	118.03	-896.75	307.53	1,016.18	978.45	37.73	26.930		
4,200.00	4,108.78	4,129.38	4,107.09	21.29	17.92	119.01	-896.49	309.20	1,025.99	987.40	38.59	26.587		
4,300.00	4,206.22	4,220.35	4,198.05	21.81	18.27	119.93	-896.73	310.61	1,036.70	997.27	39.43	26.291		
4,400.00	4,303.67	4,313.71	4,291.40	22.33	18.64	120.88	-897.22	311.56	1,048.20	1,007.91	40.29	26.019		
4,500.00	4,401.11	4,405.59	4,383.28	22.85	19.01	121.79	-898.05	312.19	1,060.49	1,019.36	41.13	25.781		
4,600.00	4,498.55	4,498.60	4,476.28	23.37	19.39	122.69	-899.34	312.66	1,073.58	1,031.59	41.99	25.566		
4,700.00	4,596.00	4,595.34	4,573.00	23.89	19.79	123.60	-900.85	312.99	1,087.19	1,044.32	42.87	25.360		
4,800.00	4,693.44	4,692.16	4,669.81	24.41	20.19	124.50	-902.29	313.27	1,101.05	1,057.29	43.75	25.166		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft		
Reference		Offset		Semi Major Axis			Distance									
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning			
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
4,900.00	4,790.88	4,779.33	4,756.96	24.93	20.56	125.26	-904.38	313.72	1,115.75	1,071.18	44.57	25.032				
5,000.00	4,888.33	4,869.55	4,847.14	25.46	20.94	126.03	-906.95	313.57	1,131.46	1,086.04	45.41	24.915				
5,100.00	4,985.77	4,966.52	4,944.07	25.98	21.35	126.90	-909.31	312.35	1,147.73	1,101.43	46.30	24.790				
5,200.00	5,083.21	5,067.70	5,045.22	26.50	21.79	127.82	-911.18	310.68	1,164.08	1,116.87	47.21	24.657				
5,300.00	5,180.66	5,175.80	5,153.29	27.02	22.25	128.77	-912.84	309.07	1,180.39	1,132.22	48.17	24.506				
5,400.00	5,278.10	5,300.53	5,278.01	27.55	22.77	129.90	-911.68	307.93	1,194.67	1,145.47	49.20	24.281				
5,500.00	5,375.54	5,401.08	5,378.51	28.07	23.19	130.86	-909.06	306.66	1,208.33	1,158.24	50.09	24.124				
5,582.90	5,456.32	5,474.42	5,451.82	28.50	23.49	131.56	-907.00	305.47	1,219.99	1,169.22	50.77	24.031				
5,600.00	5,473.00	5,488.65	5,466.04	28.59	23.55	131.73	-906.63	305.16	1,222.47	1,171.57	50.90	24.016				
5,700.00	5,570.93	5,572.03	5,549.37	29.10	23.90	132.65	-904.92	303.04	1,236.44	1,184.76	51.68	23.927				
5,800.00	5,669.52	5,659.69	5,637.02	29.57	24.28	133.40	-904.91	301.30	1,249.32	1,196.86	52.46	23.813				
5,900.00	5,768.62	5,756.56	5,733.87	30.03	24.70	133.98	-906.30	300.07	1,260.45	1,207.15	53.30	23.648				
6,000.00	5,868.13	5,873.99	5,851.29	30.45	25.20	134.46	-907.61	299.06	1,268.77	1,214.51	54.26	23.382				
6,100.00	5,967.93	5,979.11	5,956.38	30.86	25.64	134.83	-906.32	297.73	1,273.26	1,218.14	55.12	23.101				
6,200.00	6,067.88	6,077.34	6,054.61	31.24	26.05	135.00	-905.59	296.87	1,275.40	1,219.48	55.92	22.807				
6,232.12	6,100.00	6,109.34	6,086.61	31.36	26.19	-134.27	-905.46	296.66	1,275.59	1,219.41	56.18	22.707				
6,300.00	6,167.88	6,177.64	6,154.90	31.61	26.48	-134.25	-905.19	296.23	1,275.70	1,218.99	56.72	22.493				
6,400.00	6,267.88	7,771.06	7,146.64	31.97	37.85	-178.69	-901.80	1,189.73	1,256.38	1,206.29	50.09	25.082				
6,500.00	6,367.88	7,772.58	7,146.67	32.34	37.87	-178.79	-901.80	1,191.25	1,187.66	1,134.61	53.05	22.389				
6,600.00	6,467.88	7,774.20	7,146.70	32.70	37.90	-178.89	-901.81	1,192.87	1,123.64	1,067.47	56.17	20.005				
6,700.00	6,567.88	7,775.94	7,146.74	33.07	37.93	-179.01	-901.81	1,194.61	1,065.18	1,005.78	59.39	17.934				
6,736.50	6,604.38	7,776.60	7,146.75	33.21	37.94	-179.05	-901.82	1,195.27	1,045.41	984.83	60.58	17.256				
6,750.00	6,617.88	7,776.73	7,146.75	33.25	37.94	-92.71	-901.82	1,195.40	1,038.33	977.31	61.02	17.017				
6,800.00	6,667.77	7,774.99	7,146.72	33.43	37.91	-95.18	-901.81	1,193.66	1,013.38	950.80	62.58	16.194				
6,850.00	6,717.28	7,769.64	7,146.61	33.60	37.83	-97.13	-901.79	1,188.31	990.62	926.57	64.05	15.466				
6,900.00	6,766.09	7,760.51	7,146.46	33.79	37.68	-98.55	-901.75	1,179.18	970.30	904.89	65.40	14.836				
6,950.00	6,813.90	7,747.45	7,146.31	33.99	37.46	-99.44	-901.68	1,166.12	952.57	885.97	66.61	14.302				
7,000.00	6,860.42	7,730.34	7,146.21	34.20	37.18	-99.83	-901.57	1,149.02	937.54	869.90	67.64	13.862				
7,050.00	6,905.36	7,709.46	7,146.23	34.42	36.83	-99.78	-901.39	1,128.14	925.20	856.73	68.46	13.513				
7,100.00	6,948.45	7,683.43	7,146.45	34.67	36.44	-99.25	-901.14	1,102.11	915.46	846.34	69.13	13.243				
7,150.00	6,989.41	7,654.85	7,146.43	34.94	36.02	-98.43	-900.92	1,073.53	908.19	838.57	69.62	13.044				
7,200.00	7,028.00	7,623.93	7,146.12	35.24	35.56	-97.35	-900.74	1,042.61	903.22	833.26	69.96	12.910				
7,250.00	7,063.98	7,586.20	7,145.22	35.56	35.03	-95.85	-900.56	1,004.90	900.29	830.17	70.12	12.839				
7,300.00	7,097.13	7,541.83	7,142.86	35.92	34.44	-93.99	-900.12	960.59	898.89	828.76	70.14	12.816				
7,331.14	7,116.25	7,513.95	7,140.61	36.17	34.07	-92.80	-899.68	932.81	898.67	828.56	70.10	12.819				
7,350.00	7,127.23	7,500.39	7,139.31	36.32	33.90	-92.23	-899.44	919.31	898.77	828.64	70.13	12.816 SF				
7,400.00	7,154.12	7,465.61	7,135.47	36.75	33.49	-90.72	-898.93	884.74	900.02	829.83	70.19	12.823				
7,450.00	7,177.61	7,429.85	7,130.79	37.22	33.07	-89.17	-898.58	849.30	902.53	832.33	70.20	12.856				
7,500.00	7,197.57	7,388.41	7,123.92	37.73	32.63	-87.43	-898.28	808.43	906.02	835.84	70.18	12.910				
7,550.00	7,213.88	7,345.86	7,113.61	38.28	32.21	-85.60	-897.68	767.17	910.07	839.92	70.15	12.973				
7,600.00	7,226.42	7,309.99	7,102.33	38.87	31.87	-83.96	-896.96	733.14	914.70	844.49	70.21	13.029				
7,650.00	7,235.13	7,281.22	7,091.82	39.48	31.63	-82.54	-896.56	706.37	920.19	849.80	70.39	13.073				
7,700.00	7,239.95	7,252.69	7,080.20	40.12	31.39	-81.11	-896.41	680.32	926.52	855.93	70.59	13.125				
7,735.44	7,241.00	7,227.00	7,068.72	40.59	31.17	-79.95	-896.49	657.33	931.46	860.79	70.67	13.180				
7,800.00	7,241.11	7,198.18	7,054.71	41.47	30.98	-79.11	-896.84	632.15	941.81	870.70	71.11	13.245				
7,900.00	7,241.27	7,149.58	7,028.36	42.96	30.65	-77.56	-898.06	591.35	962.51	890.79	71.72	13.421				
8,000.00	7,241.44	7,088.38	6,990.88	44.59	30.30	-75.40	-900.12	543.03	988.69	916.53	72.16	13.702				
8,100.00	7,241.61	7,026.55	6,949.34	46.34	29.97	-73.05	-901.07	497.26	1,019.07	946.56	72.51	14.053				
8,200.00	7,241.77	6,981.62	6,916.77	48.20	29.77	-71.25	-901.25	466.32	1,054.54	981.54	73.00	14.446				
8,300.00	7,241.94	6,941.00	6,885.60	50.16	29.59	-69.55	-901.18	440.29	1,095.47	1,022.04	73.43	14.919				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 250-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
8,400.00	7,242.11	6,915.84	6,865.46	52.20	29.49	-68.48	-901.13	425.22	1,141.91	1,067.94	73.96	15.439					
8,500.00	7,242.27	6,892.61	6,846.27	54.31	29.40	-67.47	-901.20	412.13	1,193.73	1,119.32	74.41	16.043					
8,600.00	7,242.44	6,872.07	6,828.85	56.49	29.32	-66.57	-901.36	401.24	1,250.45	1,175.67	74.78	16.721					
8,700.00	7,242.60	6,846.00	6,806.19	58.73	29.21	-65.42	-901.68	388.36	1,311.67	1,236.67	75.00	17.488					
8,800.00	7,242.77	6,846.00	6,806.19	61.03	29.21	-65.42	-901.68	388.36	1,376.78	1,301.36	75.42	18.256					
8,900.00	7,242.94	6,808.11	6,772.59	63.37	29.07	-63.77	-902.39	370.87	1,444.93	1,369.53	75.40	19.164					
9,000.00	7,243.10	6,785.38	6,752.23	65.75	28.98	-62.79	-902.93	360.80	1,516.04	1,440.55	75.49	20.084					
9,100.00	7,243.27	6,753.00	6,722.95	68.18	28.85	-61.42	-903.87	347.00	1,589.73	1,514.27	75.46	21.067					
9,200.00	7,243.44	6,753.00	6,722.95	70.63	28.85	-61.42	-903.87	347.00	1,665.56	1,589.90	75.66	22.013					
9,300.00	7,243.60	6,753.00	6,722.95	73.12	28.85	-61.42	-903.87	347.00	1,743.82	1,668.02	75.81	23.004					
9,400.00	7,243.77	6,753.00	6,722.95	75.63	28.85	-61.42	-903.87	347.00	1,824.21	1,748.31	75.90	24.034					
9,500.00	7,243.94	6,714.65	6,687.52	78.17	28.70	-59.81	-904.78	332.36	1,905.02	1,829.25	75.77	25.142					
9,600.00	7,244.10	6,705.82	6,679.22	80.73	28.67	-59.44	-904.90	329.37	1,988.15	1,912.36	75.78	26.234					
9,700.00	7,244.27	6,697.78	6,671.61	83.31	28.64	-59.10	-904.98	326.77	2,072.63	1,996.84	75.79	27.348					
9,800.00	7,244.44	6,659.00	6,634.39	85.91	28.49	-57.46	-904.98	315.92	2,159.30	2,083.70	75.60	28.562					
9,900.00	7,244.60	6,659.00	6,634.39	88.53	28.49	-57.46	-904.98	315.92	2,245.72	2,170.09	75.63	29.692					
10,000.00	7,244.77	6,659.00	6,634.39	91.16	28.49	-57.46	-904.98	315.92	2,333.22	2,257.57	75.65	30.842					
10,100.00	7,244.94	6,659.00	6,634.39	93.81	28.49	-57.46	-904.98	315.92	2,421.69	2,346.03	75.65	32.010					
10,200.00	7,245.10	6,659.00	6,634.39	96.46	28.49	-57.46	-904.98	315.92	2,511.02	2,435.37	75.65	33.193					
10,300.00	7,245.27	6,659.00	6,634.39	99.14	28.49	-57.46	-904.98	315.92	2,601.13	2,525.50	75.64	34.390					
10,400.00	7,245.43	6,659.00	6,634.39	101.82	28.49	-57.46	-904.98	315.92	2,691.94	2,616.32	75.62	35.599					
10,500.00	7,245.60	6,659.00	6,634.39	104.51	28.49	-57.46	-904.98	315.92	2,783.38	2,707.79	75.60	36.819					
10,600.00	7,245.77	6,659.00	6,634.39	107.21	28.49	-57.46	-904.98	315.92	2,875.39	2,799.82	75.57	38.050					
10,700.00	7,245.93	6,659.00	6,634.39	109.92	28.49	-57.46	-904.98	315.92	2,967.92	2,892.38	75.54	39.288					
10,800.00	7,246.10	6,659.00	6,634.39	112.64	28.49	-57.46	-904.98	315.92	3,060.91	2,985.40	75.51	40.535					
10,900.00	7,246.27	6,659.00	6,634.39	115.37	28.49	-57.46	-904.98	315.92	3,154.34	3,078.86	75.48	41.789					
11,000.00	7,246.43	6,659.00	6,634.39	118.10	28.49	-57.46	-904.98	315.92	3,248.16	3,172.70	75.45	43.048					
11,100.00	7,246.60	6,659.00	6,634.39	120.84	28.49	-57.46	-904.98	315.92	3,342.33	3,266.91	75.42	44.314					
11,200.00	7,246.77	6,619.94	6,596.27	123.58	28.33	-55.83	-904.62	307.40	3,435.67	3,360.36	75.32	45.617					
11,300.00	7,246.93	6,616.36	6,592.77	126.34	28.32	-55.69	-904.58	306.72	3,530.26	3,454.98	75.29	46.892					
11,340.34	7,247.00	6,614.97	6,591.40	127.45	28.31	-55.63	-904.57	306.45	3,568.50	3,493.22	75.27	47.407					
11,400.00	7,247.10	6,612.96	6,589.42	129.09	28.31	-57.48	-904.55	306.08	3,624.96	3,549.71	75.25	48.169					
11,500.00	7,247.27	6,609.72	6,586.24	131.84	28.29	-60.23	-904.51	305.49	3,719.05	3,643.83	75.21	49.447					
11,586.15	7,247.43	6,607.05	6,583.61	134.20	28.28	-62.30	-904.48	305.02	3,799.50	3,724.34	75.17	50.548					
11,600.00	7,247.45	6,606.63	6,583.20	134.57	28.28	-62.28	-904.48	304.94	3,812.40	3,737.24	75.16	50.725					
11,700.00	7,247.64	6,603.69	6,580.30	137.31	28.27	-62.18	-904.45	304.43	3,905.67	3,830.57	75.10	52.004					
11,800.00	7,247.82	6,564.00	6,541.04	140.05	28.11	-60.75	-903.96	298.64	4,000.28	3,925.30	74.98	53.353					
11,900.00	7,248.00	6,564.00	6,541.04	142.79	28.11	-60.75	-903.96	298.64	4,094.01	4,019.08	74.94	54.632					
12,000.00	7,248.18	6,564.00	6,541.04	145.53	28.11	-60.75	-903.96	298.64	4,188.04	4,113.14	74.90	55.914					
12,100.00	7,248.37	6,564.00	6,541.04	148.28	28.11	-60.75	-903.96	298.64	4,282.33	4,207.46	74.87	57.200					
12,200.00	7,248.55	6,564.00	6,541.04	151.04	28.11	-60.75	-903.96	298.64	4,376.88	4,302.04	74.83	58.489					
12,300.00	7,248.73	6,564.00	6,541.04	153.80	28.11	-60.75	-903.96	298.64	4,471.66	4,396.86	74.80	59.780					
12,400.00	7,248.91	6,564.00	6,541.04	156.56	28.11	-60.75	-903.96	298.64	4,566.67	4,491.89	74.77	61.073					
12,500.00	7,249.10	6,564.00	6,541.04	159.32	28.11	-60.75	-903.96	298.64	4,661.88	4,587.13	74.75	62.368					
12,600.00	7,249.28	6,564.00	6,541.04	162.09	28.11	-60.75	-903.96	298.64	4,757.29	4,682.57	74.72	63.664					
12,700.00	7,249.46	6,564.00	6,541.04	164.86	28.11	-60.75	-903.96	298.64	4,852.89	4,778.19	74.70	64.962					
12,800.00	7,249.64	6,564.00	6,541.04	167.63	28.11	-60.75	-903.96	298.64	4,948.66	4,873.98	74.68	66.261					
12,900.00	7,249.83	6,564.00	6,541.04	170.40	28.11	-60.75	-903.96	298.64	5,044.59	4,969.93	74.67	67.561					
13,000.00	7,250.01	6,564.00	6,541.04	173.18	28.11	-60.75	-903.96	298.64	5,140.68	5,066.03	74.65	68.861					
13,100.00	7,250.19	6,564.00	6,541.04	175.96	28.11	-60.75	-903.96	298.64	5,236.92	5,162.28	74.64	70.162					
13,200.00	7,250.37	6,564.00	6,541.04	178.74	28.11	-60.75	-903.96	298.64	5,333.29	5,258.66	74.63	71.463					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 250-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,300.00	7,250.56	6,564.00	6,541.04	181.52	28.11	-60.75	-903.96	298.64	5,429.80	5,355.18	74.62	72.764		
13,400.00	7,250.74	6,564.00	6,541.04	184.31	28.11	-60.75	-903.96	298.64	5,526.43	5,451.81	74.62	74.065		
13,500.00	7,250.92	6,564.00	6,541.04	187.09	28.11	-60.75	-903.96	298.64	5,623.18	5,548.57	74.61	75.366		
13,600.00	7,251.10	6,564.00	6,541.04	189.88	28.11	-60.75	-903.96	298.64	5,720.04	5,645.43	74.61	76.666		
13,700.00	7,251.29	6,564.00	6,541.04	192.67	28.11	-60.75	-903.96	298.64	5,817.00	5,742.39	74.61	77.965		
13,800.00	7,251.47	6,564.00	6,541.04	195.47	28.11	-60.75	-903.96	298.64	5,914.07	5,839.46	74.61	79.264		
13,900.00	7,251.65	6,564.00	6,541.04	198.26	28.11	-60.75	-903.96	298.64	6,011.23	5,936.62	74.62	80.562		
14,000.00	7,251.83	6,564.00	6,541.04	201.05	28.11	-60.75	-903.96	298.64	6,108.49	6,033.87	74.62	81.860		
14,100.00	7,252.01	6,564.00	6,541.04	203.85	28.11	-60.75	-903.96	298.64	6,205.83	6,131.20	74.63	83.156		
14,200.00	7,252.20	6,564.00	6,541.04	206.65	28.11	-60.75	-903.96	298.64	6,303.25	6,228.62	74.64	84.450		
14,300.00	7,252.38	6,564.00	6,541.04	209.45	28.11	-60.75	-903.96	298.64	6,400.76	6,326.11	74.65	85.744		
14,400.00	7,252.56	6,564.00	6,541.04	212.25	28.11	-60.75	-903.96	298.64	6,498.34	6,423.68	74.66	87.036		
14,500.00	7,252.74	6,564.00	6,541.04	215.05	28.11	-60.75	-903.96	298.64	6,595.99	6,521.32	74.68	88.327		
14,600.00	7,252.93	6,564.00	6,541.04	217.86	28.11	-60.75	-903.96	298.64	6,693.71	6,619.02	74.69	89.616		
14,700.00	7,253.11	6,564.00	6,541.04	220.66	28.11	-60.75	-903.96	298.64	6,791.50	6,716.79	74.71	90.903		
14,800.00	7,253.29	6,564.00	6,541.04	223.47	28.11	-60.75	-903.96	298.64	6,889.36	6,814.62	74.73	92.188		
14,900.00	7,253.47	6,564.00	6,541.04	226.27	28.11	-60.75	-903.96	298.64	6,987.27	6,912.52	74.75	93.472		
15,000.00	7,253.66	6,564.00	6,541.04	229.08	28.11	-60.75	-903.96	298.64	7,085.24	7,010.46	74.78	94.754		
15,100.00	7,253.84	6,564.00	6,541.04	231.89	28.11	-60.75	-903.96	298.64	7,183.27	7,108.47	74.80	96.033		
15,200.00	7,254.02	6,564.00	6,541.04	234.70	28.11	-60.75	-903.96	298.64	7,281.35	7,206.52	74.83	97.311		
15,300.00	7,254.20	6,564.00	6,541.04	237.51	28.11	-60.75	-903.96	298.64	7,379.48	7,304.63	74.85	98.586		
15,400.00	7,254.39	6,564.00	6,541.04	240.32	28.11	-60.75	-903.96	298.64	7,477.66	7,402.78	74.88	99.859		
15,500.00	7,254.57	6,564.00	6,541.04	243.13	28.11	-60.75	-903.96	298.64	7,575.89	7,500.98	74.91	101.130		
15,600.00	7,254.75	6,564.00	6,541.04	245.94	28.11	-60.75	-903.96	298.64	7,674.16	7,599.22	74.94	102.399		
15,700.00	7,254.93	6,564.00	6,541.04	248.76	28.11	-60.75	-903.96	298.64	7,772.48	7,697.51	74.98	103.665		
15,800.00	7,255.12	6,564.00	6,541.04	251.57	28.11	-60.75	-903.96	298.64	7,870.85	7,795.83	75.01	104.928		
15,900.00	7,255.30	6,564.00	6,541.04	254.39	28.11	-60.75	-903.96	298.64	7,969.25	7,894.20	75.05	106.189		
16,000.00	7,255.48	6,564.00	6,541.04	257.20	28.11	-60.75	-903.96	298.64	8,067.69	7,992.60	75.09	107.447		
16,100.00	7,255.66	6,564.00	6,541.04	260.02	28.11	-60.75	-903.96	298.64	8,166.17	8,091.04	75.12	108.703		
16,200.00	7,255.85	6,564.00	6,541.04	262.84	28.11	-60.75	-903.96	298.64	8,264.68	8,189.52	75.16	109.956		
16,300.00	7,256.03	6,564.00	6,541.04	265.65	28.11	-60.75	-903.96	298.64	8,363.24	8,288.03	75.20	111.206		
16,400.00	7,256.21	6,564.00	6,541.04	268.47	28.11	-60.75	-903.96	298.64	8,461.82	8,386.57	75.25	112.454		
16,500.00	7,256.39	6,564.00	6,541.04	271.29	28.11	-60.75	-903.96	298.64	8,560.44	8,485.15	75.29	113.698		
16,600.00	7,256.58	6,564.00	6,541.04	274.11	28.11	-60.75	-903.96	298.64	8,659.09	8,583.75	75.34	114.940		
16,700.00	7,256.76	6,564.00	6,541.04	276.93	28.11	-60.75	-903.96	298.64	8,757.77	8,682.39	75.38	116.179		
16,800.00	7,256.94	6,564.00	6,541.04	279.75	28.11	-60.75	-903.96	298.64	8,856.48	8,781.05	75.43	117.415		
16,900.00	7,257.12	6,564.00	6,541.04	282.57	28.11	-60.75	-903.96	298.64	8,955.22	8,879.74	75.48	118.647		
17,000.00	7,257.30	6,564.00	6,541.04	285.40	28.11	-60.75	-903.96	298.64	9,053.98	8,978.45	75.53	119.877		
17,100.00	7,257.49	6,564.00	6,541.04	288.22	28.11	-60.75	-903.96	298.64	9,152.78	9,077.20	75.58	121.103		
17,200.00	7,257.67	6,564.00	6,541.04	291.04	28.11	-60.75	-903.96	298.64	9,251.59	9,175.96	75.63	122.327		
17,300.00	7,257.85	6,564.00	6,541.04	293.87	28.11	-60.75	-903.96	298.64	9,350.44	9,274.75	75.68	123.547		
17,400.00	7,258.03	6,564.00	6,541.04	296.69	28.11	-60.75	-903.96	298.64	9,449.31	9,373.57	75.74	124.764		
17,500.00	7,258.22	6,564.00	6,541.04	299.51	28.11	-60.75	-903.96	298.64	9,548.20	9,472.41	75.79	125.978		
17,600.00	7,258.40	6,564.00	6,541.04	302.34	28.11	-60.75	-903.96	298.64	9,647.11	9,571.26	75.85	127.189		
17,700.00	7,258.58	6,564.00	6,541.04	305.16	28.11	-60.75	-903.96	298.64	9,746.05	9,670.14	75.91	128.396		
17,800.00	7,258.76	6,564.00	6,541.04	307.99	28.11	-60.75	-903.96	298.64	9,845.01	9,769.04	75.96	129.600		
17,900.00	7,258.95	6,564.00	6,541.04	310.82	28.11	-60.75	-903.96	298.64	9,943.99	9,867.96	76.02	130.800		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N(S)-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	142.85	-667.77	505.87	837.82					
100.00	100.00	90.57	90.57	3.28	3.29	142.83	-667.53	506.06	837.67	831.10	6.57	127.484		
200.00	200.00	192.32	192.31	3.34	3.31	142.76	-666.66	506.70	837.38	830.73	6.64	126.032		
300.00	299.98	294.05	294.02	3.44	3.34	52.05	-665.18	507.82	835.80	829.02	6.79	123.171		
400.00	399.84	410.78	410.72	3.60	3.45	52.30	-662.61	508.79	831.40	824.35	7.05	117.961		
500.00	499.45	542.56	542.35	3.81	3.66	53.02	-657.11	506.07	821.53	814.04	7.49	109.642		
600.00	598.70	665.62	664.95	4.05	3.94	53.96	-647.48	501.87	805.86	797.83	8.03	100.325		
700.00	697.47	769.77	768.54	4.34	4.21	55.08	-637.52	497.65	786.59	778.00	8.58	91.635		
800.00	795.62	886.37	884.34	4.66	4.56	56.65	-624.96	492.51	764.45	755.20	9.25	82.613		
849.22	843.68	945.47	942.83	4.84	4.75	57.54	-616.93	489.73	751.71	742.10	9.61	78.181		
900.00	893.16	1,004.66	1,001.25	5.02	4.94	58.26	-607.97	486.74	737.71	727.72	9.99	73.854		
1,000.00	990.60	1,116.41	1,111.11	5.41	5.34	59.59	-588.35	480.92	708.25	697.52	10.73	65.994		
1,100.00	1,088.05	1,209.70	1,202.63	5.83	5.69	60.75	-570.89	476.14	678.20	666.76	11.44	59.303		
1,200.00	1,185.49	1,302.13	1,293.42	6.26	6.05	62.06	-554.28	471.17	648.94	636.77	12.17	53.317		
1,300.00	1,282.93	1,409.57	1,398.71	6.70	6.48	63.69	-533.82	465.16	619.04	606.05	12.98	47.675		
1,400.00	1,380.37	1,519.75	1,506.10	7.15	6.95	65.41	-509.91	459.07	587.28	573.46	13.82	42.498		
1,500.00	1,477.82	1,620.20	1,603.38	7.62	7.39	67.10	-485.61	453.06	553.54	538.89	14.64	37.804		
1,600.00	1,575.26	1,707.83	1,688.23	8.09	7.78	68.71	-464.26	448.25	520.29	504.82	15.46	33.646		
1,700.00	1,672.70	1,792.90	1,770.88	8.57	8.16	70.37	-444.43	444.75	488.95	472.64	16.31	29.985		
1,800.00	1,770.15	1,880.86	1,856.62	9.05	8.56	72.20	-424.98	442.34	459.64	442.47	17.17	26.763		
1,900.00	1,867.59	1,971.85	1,945.51	9.54	8.97	74.36	-405.68	439.83	431.77	413.70	18.06	23.904		
2,000.00	1,965.03	2,064.89	2,036.59	10.03	9.39	76.92	-386.89	437.01	405.47	386.50	18.97	21.374		
2,100.00	2,062.48	2,163.93	2,133.40	10.53	9.84	80.11	-366.31	433.27	379.40	359.51	19.89	19.075		
2,200.00	2,159.92	2,262.54	2,229.59	11.03	10.30	83.65	-344.85	429.91	353.64	332.81	20.82	16.985		
2,300.00	2,257.36	2,357.11	2,321.50	11.53	10.74	87.39	-322.75	427.45	327.78	306.01	21.78	15.053		
2,400.00	2,354.81	2,445.54	2,407.85	12.03	11.15	91.41	-303.81	425.20	305.39	282.62	22.77	13.412		
2,500.00	2,452.25	2,543.51	2,503.48	12.54	11.61	96.66	-282.78	421.80	285.04	261.30	23.75	12.004		
2,600.00	2,549.69	2,638.80	2,596.17	13.04	12.07	102.57	-261.03	418.15	266.09	241.34	24.74	10.753		
2,700.00	2,647.13	2,731.82	2,686.84	13.55	12.51	109.07	-240.55	414.34	251.27	225.52	25.75	9.757		
2,800.00	2,744.58	2,828.55	2,780.95	14.06	12.97	116.25	-218.38	411.88	239.03	212.30	26.72	8.944		
2,900.00	2,842.02	2,922.81	2,872.76	14.57	13.43	123.79	-197.17	409.35	231.49	203.81	27.68	8.364		
3,000.00	2,939.46	3,016.47	2,963.36	15.09	13.89	132.22	-173.82	405.25	227.91	199.33	28.58	7.974		
3,002.76	2,942.15	3,018.90	2,965.71	15.10	13.90	132.44	-173.22	405.13	227.91	199.30	28.61	7.967 CC, ES		
3,100.00	3,036.91	3,105.55	3,049.88	15.60	14.32	140.11	-153.08	400.82	231.48	202.08	29.40	7.873		
3,200.00	3,134.35	3,199.67	3,141.83	16.11	14.77	147.57	-133.40	396.57	241.15	210.97	30.18	7.989		
3,300.00	3,231.79	3,293.66	3,233.40	16.63	15.23	154.59	-112.65	392.63	254.23	223.30	30.93	8.219		
3,400.00	3,329.24	3,384.77	3,322.71	17.14	15.66	160.23	-95.08	388.63	272.04	240.40	31.65	8.596		
3,500.00	3,426.68	3,480.98	3,417.35	17.66	16.11	165.12	-78.23	384.57	292.71	260.27	32.44	9.024		
3,600.00	3,524.12	3,578.69	3,513.38	18.18	16.57	169.52	-60.50	381.41	314.17	280.91	33.26	9.445		
3,700.00	3,621.57	3,672.68	3,605.32	18.69	17.01	173.59	-41.23	378.27	337.06	303.01	34.05	9.899		
3,800.00	3,719.01	3,769.73	3,700.09	19.21	17.48	177.39	-20.58	374.92	361.55	326.65	34.90	10.360		
3,900.00	3,816.45	3,865.41	3,793.07	19.73	17.95	-179.01	1.85	372.66	386.36	350.62	35.74	10.810		
4,000.00	3,913.90	3,963.84	3,878.36	20.25	18.40	-175.71	25.08	370.22	413.11	376.62	36.49	11.322		
4,100.00	4,011.34	4,043.87	3,964.65	20.77	18.86	-172.51	50.50	366.71	442.49	405.22	37.27	11.872		
4,200.00	4,108.78	4,141.12	4,057.65	21.29	19.36	-169.36	78.72	363.40	472.84	434.65	38.19	12.380		
4,300.00	4,206.22	4,238.22	4,151.04	21.81	19.86	-166.77	105.21	360.96	503.06	463.94	39.12	12.860		
4,400.00	4,303.67	4,334.40	4,244.52	22.33	20.33	-164.94	127.59	357.95	533.56	493.52	40.03	13.328		
4,500.00	4,401.11	4,428.01	4,336.28	22.85	20.78	-163.75	145.74	354.29	564.09	523.18	40.91	13.790		
4,600.00	4,498.55	4,520.54	4,426.85	23.37	21.23	-162.64	164.29	350.43	595.25	553.49	41.77	14.252		
4,700.00	4,596.00	4,616.94	4,521.10	23.89	21.70	-161.54	184.17	346.57	626.64	583.95	42.69	14.679		
4,800.00	4,693.44	4,714.16	4,616.09	24.41	22.17	-160.49	204.58	343.32	657.74	614.12	43.63	15.077		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N(S)-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,790.88	4,803.49	4,703.51	24.93	22.60	-159.67	222.68	340.08	689.03	644.58	44.45	15.502		
5,000.00	4,888.33	4,889.53	4,787.78	25.46	23.01	-159.04	239.45	335.65	721.51	676.30	45.22	15.957		
5,100.00	4,985.77	4,979.70	4,876.27	25.98	23.45	-158.57	255.69	329.53	754.98	708.93	46.05	16.396		
5,200.00	5,083.21	5,071.18	4,965.83	26.50	23.89	-158.05	273.35	323.62	788.68	741.78	46.91	16.814		
5,300.00	5,180.66	5,166.15	5,058.23	27.02	24.36	-157.32	294.60	318.34	822.82	774.99	47.83	17.204		
5,400.00	5,278.10	5,313.06	5,201.42	27.55	25.08	-156.22	326.99	314.18	855.00	805.56	49.44	17.294		
5,500.00	5,375.54	5,405.79	5,292.85	28.07	25.51	-155.87	342.41	312.79	883.54	833.23	50.31	17.563		
5,582.90	5,456.32	5,509.58	5,395.46	28.50	25.98	-155.58	357.93	312.06	906.10	854.79	51.31	17.660		
5,600.00	5,473.00	5,524.08	5,409.79	28.59	26.04	-155.58	360.07	312.10	910.54	859.10	51.44	17.700		
5,700.00	5,570.93	5,619.78	5,504.39	29.10	26.48	-155.43	374.61	312.80	934.55	882.23	52.33	17.860		
5,800.00	5,669.52	5,722.94	5,606.54	29.57	26.94	-155.26	388.93	312.35	956.02	902.76	53.27	17.948		
5,900.00	5,768.62	5,848.70	5,731.70	30.03	27.48	-155.14	401.10	313.04	971.61	917.24	54.37	17.872		
6,000.00	5,868.13	5,952.65	5,835.41	30.45	27.91	-155.10	408.10	313.65	982.89	927.65	55.24	17.792		
6,100.00	5,967.93	6,055.81	5,938.46	30.86	28.33	-155.07	412.92	313.62	990.70	934.60	56.09	17.662		
6,200.00	6,067.88	6,152.15	6,034.74	31.24	28.71	-155.04	415.95	312.92	995.31	938.43	56.87	17.501		
6,232.12	6,100.00	6,186.26	6,068.84	31.36	28.85	-64.31	416.74	312.48	996.16	939.02	57.14	17.434		
6,300.00	6,167.88	6,260.83	6,143.40	31.61	29.14	-64.27	417.86	311.63	997.31	939.60	57.71	17.280		
6,400.00	6,267.88	7,796.19	7,050.62	31.97	38.86	-0.54	431.68	1,205.80	910.80	877.84	32.96	27.634		
6,500.00	6,367.88	7,797.12	7,050.62	32.34	38.88	-0.42	431.68	1,206.73	825.11	788.76	36.36	22.694		
6,600.00	6,467.88	7,798.04	7,050.63	32.70	38.89	-0.30	431.67	1,207.65	743.01	702.50	40.51	18.343		
6,700.00	6,567.88	7,798.94	7,050.64	33.07	38.91	-0.19	431.66	1,208.55	665.82	620.29	45.53	14.625		
6,736.50	6,604.38	7,799.27	7,050.64	33.21	38.91	-0.14	431.66	1,208.88	639.22	591.63	47.59	13.433		
6,750.00	6,617.88	7,799.25	7,050.64	33.25	38.91	88.17	431.66	1,208.86	629.63	581.25	48.38	13.015		
6,800.00	6,667.77	7,796.71	7,050.62	33.43	38.87	92.08	431.68	1,206.32	595.39	544.00	51.39	11.585		
6,850.00	6,717.28	7,790.33	7,050.56	33.60	38.77	94.98	431.73	1,199.95	563.59	509.08	54.51	10.339		
6,900.00	6,766.09	7,780.21	7,050.46	33.79	38.60	96.89	431.81	1,189.82	534.73	477.06	57.67	9.272		
6,950.00	6,813.90	7,767.40	7,050.34	33.99	38.40	97.99	431.92	1,177.01	509.28	448.50	60.78	8.379		
7,000.00	6,860.42	7,751.13	7,050.26	34.20	38.15	98.23	432.09	1,160.74	487.66	423.96	63.71	7.655		
7,050.00	6,905.36	7,731.16	7,050.26	34.42	37.85	97.64	432.33	1,140.78	470.14	403.84	66.31	7.091		
7,100.00	6,948.45	7,707.53	7,050.40	34.67	37.49	96.31	432.68	1,117.15	456.81	388.36	68.46	6.673		
7,150.00	6,989.41	7,678.73	7,050.78	34.94	37.06	94.17	433.16	1,088.35	447.55	377.50	70.05	6.389		
7,200.00	7,028.00	7,641.07	7,050.96	35.24	36.54	90.96	433.50	1,050.69	441.63	370.58	71.05	6.216		
7,250.00	7,063.98	7,604.03	7,051.04	35.56	36.06	87.76	433.56	1,013.66	438.62	367.03	71.58	6.127		
7,290.05	7,090.77	7,572.69	7,051.05	35.85	35.64	85.08	433.44	982.32	437.93	366.27	71.66	6.111 SF		
7,300.00	7,097.13	7,564.15	7,051.18	35.92	35.54	84.37	433.40	973.77	437.96	366.32	71.64	6.113		
7,350.00	7,127.23	7,521.56	7,050.65	36.32	35.06	80.86	432.87	931.19	438.97	367.57	71.40	6.148		
7,400.00	7,154.12	7,479.49	7,048.18	36.75	34.59	77.44	431.83	889.22	441.20	370.29	70.91	6.222		
7,450.00	7,177.61	7,442.70	7,044.40	37.22	34.22	74.47	430.61	852.64	444.51	374.15	70.36	6.318		
7,500.00	7,197.57	7,408.38	7,039.36	37.73	33.90	71.74	429.62	818.71	449.09	379.33	69.76	6.437		
7,550.00	7,213.88	7,374.45	7,032.95	38.28	33.59	69.12	428.80	785.41	454.70	385.56	69.14	6.577		
7,600.00	7,226.42	7,336.59	7,023.95	38.87	33.31	66.37	427.82	748.65	460.90	392.44	68.45	6.733		
7,650.00	7,235.13	7,299.58	7,013.04	39.48	33.06	63.77	426.42	713.32	467.29	399.50	67.79	6.893		
7,700.00	7,239.95	7,263.58	7,000.45	40.12	32.85	61.33	424.65	679.65	473.75	406.53	67.22	7.048		
7,735.44	7,241.00	7,238.89	6,990.53	40.59	32.72	59.69	423.12	657.09	478.32	411.44	66.88	7.152		
7,800.00	7,241.11	7,196.30	6,970.98	41.47	32.53	57.36	419.86	619.41	488.30	422.01	66.29	7.366		
7,900.00	7,241.27	7,153.52	6,948.27	42.96	32.37	54.79	416.64	583.32	512.04	445.85	66.19	7.736		
8,000.00	7,241.44	7,118.83	6,927.61	44.59	32.24	52.71	415.94	555.48	547.65	481.27	66.37	8.251		
8,100.00	7,241.61	7,091.00	6,909.68	46.34	32.15	51.08	416.70	534.21	593.73	527.01	66.71	8.900		
8,200.00	7,241.77	7,045.59	6,878.40	48.20	31.99	48.50	419.13	501.39	647.68	581.26	66.42	9.752		
8,300.00	7,241.94	6,997.00	6,842.64	50.16	31.83	45.84	422.19	468.66	708.15	642.13	66.02	10.727		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N(S)-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,400.00	7,242.11	6,997.00	6,842.64	52.20	31.83	45.84	422.19	468.66	774.03	707.05	66.98	11.556		
8,500.00	7,242.27	6,956.21	6,810.60	54.31	31.70	43.67	425.04	443.59	844.08	777.30	66.78	12.640		
8,600.00	7,242.44	6,935.00	6,793.15	56.49	31.63	42.57	426.57	431.64	918.61	851.62	66.99	13.713		
8,700.00	7,242.60	6,905.00	6,767.61	58.73	31.53	41.05	428.80	416.05	996.70	929.72	66.98	14.880		
8,800.00	7,242.77	6,905.00	6,767.61	61.03	31.53	41.05	428.80	416.05	1,077.27	1,009.83	67.44	15.973		
8,900.00	7,242.94	6,878.50	6,744.38	63.37	31.44	39.75	430.64	403.44	1,160.11	1,092.68	67.43	17.204		
9,000.00	7,243.10	6,860.99	6,728.76	65.75	31.38	38.91	431.68	395.61	1,244.83	1,177.31	67.52	18.436		
9,100.00	7,243.27	6,845.20	6,714.48	68.18	31.33	38.16	432.50	388.90	1,331.13	1,263.53	67.61	19.689		
9,200.00	7,243.44	6,810.00	6,682.11	70.63	31.21	36.52	433.93	375.16	1,419.24	1,351.76	67.47	21.034		
9,300.00	7,243.60	6,810.00	6,682.11	73.12	31.21	36.52	433.93	375.16	1,507.69	1,440.01	67.69	22.275		
9,400.00	7,243.77	6,799.54	6,672.38	75.63	31.18	36.05	434.21	371.35	1,597.47	1,529.70	67.77	23.573		
9,500.00	7,243.94	6,770.41	6,645.17	78.17	31.07	34.73	434.31	360.93	1,687.90	1,620.21	67.68	24.938		
9,600.00	7,244.10	6,743.16	6,619.63	80.73	30.98	33.51	433.52	351.46	1,778.79	1,711.18	67.61	26.308		
9,700.00	7,244.27	6,718.00	6,596.01	83.31	30.89	32.39	432.03	342.96	1,870.14	1,802.59	67.56	27.683		
9,800.00	7,244.44	6,718.00	6,596.01	85.91	30.89	32.39	432.03	342.96	1,962.13	1,894.44	67.69	28.989		
9,900.00	7,244.60	6,718.00	6,596.01	88.53	30.89	32.39	432.03	342.96	2,054.87	1,987.07	67.79	30.311		
10,000.00	7,244.77	6,718.00	6,596.01	91.16	30.89	32.39	432.03	342.96	2,148.25	2,080.37	67.88	31.646		
10,100.00	7,244.94	6,718.00	6,596.01	93.81	30.89	32.39	432.03	342.96	2,242.21	2,174.25	67.96	32.994		
10,200.00	7,245.10	6,681.19	6,561.09	96.46	30.75	30.80	429.14	331.69	2,335.38	2,267.55	67.83	34.429		
10,300.00	7,245.27	6,675.26	6,555.41	99.14	30.73	30.55	428.65	330.05	2,429.84	2,361.97	67.87	35.800		
10,400.00	7,245.43	6,669.69	6,550.07	101.82	30.71	30.32	428.18	328.57	2,524.67	2,456.76	67.91	37.176		
10,500.00	7,245.60	6,664.47	6,545.04	104.51	30.69	30.11	427.73	327.22	2,619.83	2,551.89	67.95	38.557		
10,600.00	7,245.77	6,625.00	6,506.76	107.21	30.54	28.53	424.14	318.31	2,716.41	2,648.57	67.84	40.044		
10,700.00	7,245.93	6,625.00	6,506.76	109.92	30.54	28.53	424.14	318.31	2,811.86	2,743.97	67.90	41.414		
10,800.00	7,246.10	6,625.00	6,506.76	112.64	30.54	28.53	424.14	318.31	2,907.62	2,839.67	67.95	42.790		
10,900.00	7,246.27	6,625.00	6,506.76	115.37	30.54	28.53	424.14	318.31	3,003.66	2,935.66	68.00	44.170		
11,000.00	7,246.43	6,625.00	6,506.76	118.10	30.54	28.53	424.14	318.31	3,099.95	3,031.90	68.05	45.555		
11,100.00	7,246.60	6,625.00	6,506.76	120.84	30.54	28.53	424.14	318.31	3,196.46	3,128.37	68.09	46.944		
11,200.00	7,246.77	6,625.00	6,506.76	123.58	30.54	28.53	424.14	318.31	3,293.19	3,225.06	68.13	48.335		
11,300.00	7,246.93	6,625.00	6,506.76	126.34	30.54	28.53	424.14	318.31	3,390.10	3,321.93	68.17	49.729		
11,340.34	7,247.00	6,625.00	6,506.76	127.45	30.54	28.53	424.14	318.31	3,429.25	3,361.06	68.19	50.292		
11,400.00	7,247.10	6,625.00	6,506.76	129.09	30.54	24.08	424.14	318.31	3,487.26	3,419.05	68.21	51.125		
11,500.00	7,247.27	6,625.00	6,506.76	131.84	30.54	15.67	424.14	318.31	3,584.85	3,516.59	68.26	52.518		
11,586.15	7,247.43	6,625.00	6,506.76	134.20	30.54	7.58	424.14	318.31	3,669.19	3,600.88	68.31	53.715		
11,600.00	7,247.45	6,625.00	6,506.76	134.57	30.54	7.58	424.14	318.31	3,682.77	3,614.45	68.32	53.907		
11,700.00	7,247.64	6,625.00	6,506.76	137.31	30.54	7.58	424.14	318.31	3,780.84	3,712.46	68.38	55.295		
11,800.00	7,247.82	6,625.00	6,506.76	140.05	30.54	7.58	424.14	318.31	3,879.01	3,810.57	68.43	56.683		
11,900.00	7,248.00	6,625.00	6,506.76	142.79	30.54	7.58	424.14	318.31	3,977.27	3,908.78	68.49	58.071		
12,000.00	7,248.18	6,625.00	6,506.76	145.53	30.54	7.58	424.14	318.31	4,075.61	4,007.07	68.54	59.459		
12,100.00	7,248.37	6,625.00	6,506.76	148.28	30.54	7.58	424.14	318.31	4,174.03	4,105.44	68.60	60.847		
12,200.00	7,248.55	6,625.00	6,506.76	151.04	30.54	7.58	424.14	318.31	4,272.53	4,203.88	68.65	62.235		
12,300.00	7,248.73	6,625.00	6,506.76	153.80	30.54	7.58	424.14	318.31	4,371.10	4,302.39	68.70	63.622		
12,400.00	7,248.91	6,625.00	6,506.76	156.56	30.54	7.58	424.14	318.31	4,469.72	4,400.97	68.76	65.008		
12,500.00	7,249.10	6,625.00	6,506.76	159.32	30.54	7.58	424.14	318.31	4,568.41	4,499.60	68.81	66.393		
12,600.00	7,249.28	6,625.00	6,506.76	162.09	30.54	7.58	424.14	318.31	4,667.16	4,598.30	68.86	67.777		
12,700.00	7,249.46	6,625.00	6,506.76	164.86	30.54	7.58	424.14	318.31	4,765.95	4,697.04	68.91	69.160		
12,800.00	7,249.64	6,625.00	6,506.76	167.63	30.54	7.58	424.14	318.31	4,864.80	4,795.84	68.96	70.541		
12,900.00	7,249.83	6,625.00	6,506.76	170.40	30.54	7.58	424.14	318.31	4,963.69	4,894.68	69.02	71.920		
13,000.00	7,250.01	6,625.00	6,506.76	173.18	30.54	7.58	424.14	318.31	5,062.63	4,993.56	69.07	73.298		
13,100.00	7,250.19	6,625.00	6,506.76	175.96	30.54	7.58	424.14	318.31	5,161.60	5,092.48	69.12	74.674		
13,200.00	7,250.37	6,625.00	6,506.76	178.74	30.54	7.58	424.14	318.31	5,260.62	5,191.44	69.17	76.049		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N(S)-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,300.00	7,250.56	6,625.00	6,506.76	181.52	30.54	7.58	424.14	318.31	5,359.67	5,290.44	69.23	77.421		
13,400.00	7,250.74	6,625.00	6,506.76	184.31	30.54	7.58	424.14	318.31	5,458.76	5,389.48	69.28	78.791		
13,500.00	7,250.92	6,625.00	6,506.76	187.09	30.54	7.58	424.14	318.31	5,557.88	5,488.54	69.34	80.158		
13,600.00	7,251.10	6,625.00	6,506.76	189.88	30.54	7.58	424.14	318.31	5,657.03	5,587.64	69.39	81.524		
13,700.00	7,251.29	6,625.00	6,506.76	192.67	30.54	7.58	424.14	318.31	5,756.21	5,686.76	69.45	82.887		
13,800.00	7,251.47	6,625.00	6,506.76	195.47	30.54	7.58	424.14	318.31	5,855.41	5,785.91	69.50	84.247		
13,900.00	7,251.65	6,625.00	6,506.76	198.26	30.54	7.58	424.14	318.31	5,954.65	5,885.09	69.56	85.605		
14,000.00	7,251.83	6,625.00	6,506.76	201.05	30.54	7.58	424.14	318.31	6,053.91	5,984.29	69.62	86.961		
14,100.00	7,252.01	6,625.00	6,506.76	203.85	30.54	7.58	424.14	318.31	6,153.19	6,083.52	69.67	88.313		
14,200.00	7,252.20	6,625.00	6,506.76	206.65	30.54	7.58	424.14	318.31	6,252.50	6,182.76	69.73	89.663		
14,300.00	7,252.38	6,625.00	6,506.76	209.45	30.54	7.58	424.14	318.31	6,351.82	6,282.03	69.79	91.010		
14,400.00	7,252.56	6,625.00	6,506.76	212.25	30.54	7.58	424.14	318.31	6,451.17	6,381.32	69.85	92.354		
14,500.00	7,252.74	6,625.00	6,506.76	215.05	30.54	7.58	424.14	318.31	6,550.54	6,480.63	69.91	93.695		
14,600.00	7,252.93	6,625.00	6,506.76	217.86	30.54	7.58	424.14	318.31	6,649.93	6,579.95	69.97	95.033		
14,700.00	7,253.11	6,625.00	6,506.76	220.66	30.54	7.58	424.14	318.31	6,749.33	6,679.30	70.04	96.368		
14,800.00	7,253.29	6,625.00	6,506.76	223.47	30.54	7.58	424.14	318.31	6,848.76	6,778.66	70.10	97.700		
14,900.00	7,253.47	6,625.00	6,506.76	226.27	30.54	7.58	424.14	318.31	6,948.20	6,878.03	70.16	99.028		
15,000.00	7,253.66	6,625.00	6,506.76	229.08	30.54	7.58	424.14	318.31	7,047.65	6,977.42	70.23	100.353		
15,100.00	7,253.84	6,581.34	6,463.76	231.89	30.37	6.93	420.80	311.70	7,144.96	7,074.69	70.27	101.685		
15,200.00	7,254.02	6,580.70	6,463.12	234.70	30.36	6.92	420.76	311.63	7,244.38	7,174.05	70.33	103.003		
15,300.00	7,254.20	6,580.07	6,462.49	237.51	30.36	6.91	420.72	311.57	7,343.82	7,273.42	70.40	104.318		
15,400.00	7,254.39	6,579.45	6,461.88	240.32	30.36	6.90	420.69	311.50	7,443.27	7,372.80	70.47	105.629		
15,500.00	7,254.57	6,578.85	6,461.29	243.13	30.36	6.90	420.66	311.44	7,542.73	7,472.20	70.53	106.937		
15,600.00	7,254.75	6,578.27	6,460.70	245.94	30.35	6.89	420.62	311.38	7,642.21	7,571.61	70.60	108.242		
15,700.00	7,254.93	6,577.70	6,460.14	248.76	30.35	6.88	420.59	311.33	7,741.70	7,671.03	70.67	109.543		
15,800.00	7,255.12	6,577.14	6,459.58	251.57	30.35	6.88	420.56	311.27	7,841.21	7,770.46	70.74	110.840		
15,900.00	7,255.30	6,576.60	6,459.04	254.39	30.35	6.87	420.53	311.22	7,940.72	7,869.91	70.81	112.134		
16,000.00	7,255.48	6,576.07	6,458.52	257.20	30.34	6.86	420.50	311.17	8,040.25	7,969.36	70.89	113.424		
16,100.00	7,255.66	6,575.55	6,458.00	260.02	30.34	6.86	420.48	311.12	8,139.78	8,068.82	70.96	114.710		
16,200.00	7,255.85	6,532.00	6,414.55	262.84	30.17	6.40	419.00	309.00	8,241.42	8,170.39	71.03	116.031		
16,300.00	7,256.03	6,532.00	6,414.55	265.65	30.17	6.40	419.00	309.00	8,340.93	8,269.82	71.10	117.309		
16,400.00	7,256.21	6,532.00	6,414.55	268.47	30.17	6.40	419.00	309.00	8,440.45	8,369.27	71.18	118.583		
16,500.00	7,256.39	6,532.00	6,414.55	271.29	30.17	6.40	419.00	309.00	8,539.98	8,468.73	71.25	119.853		
16,600.00	7,256.58	6,532.00	6,414.55	274.11	30.17	6.40	419.00	309.00	8,639.52	8,568.19	71.33	121.120		
16,700.00	7,256.76	6,532.00	6,414.55	276.93	30.17	6.40	419.00	309.00	8,739.08	8,667.67	71.41	122.383		
16,800.00	7,256.94	6,532.00	6,414.55	279.75	30.17	6.40	419.00	309.00	8,838.64	8,767.15	71.49	123.642		
16,900.00	7,257.12	6,532.00	6,414.55	282.57	30.17	6.40	419.00	309.00	8,938.21	8,866.65	71.56	124.897		
17,000.00	7,257.30	6,532.00	6,414.55	285.40	30.17	6.40	419.00	309.00	9,037.79	8,966.15	71.64	126.148		
17,100.00	7,257.49	6,532.00	6,414.55	288.22	30.17	6.40	419.00	309.00	9,137.39	9,065.66	71.72	127.395		
17,200.00	7,257.67	6,532.00	6,414.55	291.04	30.17	6.40	419.00	309.00	9,236.99	9,165.18	71.81	128.638		
17,300.00	7,257.85	6,532.00	6,414.55	293.87	30.17	6.40	419.00	309.00	9,336.60	9,264.71	71.89	129.877		
17,400.00	7,258.03	6,532.00	6,414.55	296.69	30.17	6.40	419.00	309.00	9,436.21	9,364.24	71.97	131.113		
17,500.00	7,258.22	6,532.00	6,414.55	299.51	30.17	6.40	419.00	309.00	9,535.84	9,463.78	72.05	132.344		
17,600.00	7,258.40	6,532.00	6,414.55	302.34	30.17	6.40	419.00	309.00	9,635.47	9,563.33	72.14	133.571		
17,700.00	7,258.58	6,532.00	6,414.55	305.16	30.17	6.40	419.00	309.00	9,735.11	9,662.89	72.22	134.794		
17,800.00	7,258.76	6,532.00	6,414.55	307.99	30.17	6.40	419.00	309.00	9,834.76	9,762.45	72.31	136.013		
17,900.00	7,258.95	6,532.00	6,414.55	310.82	30.17	6.40	419.00	309.00	9,934.41	9,862.02	72.39	137.227		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 140-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	141.12	-627.70	506.15	806.42					
100.00	100.00	80.85	80.84	3.28	3.29	141.11	-627.92	506.52	806.80	800.23	6.57	122.801		
200.00	200.00	176.37	176.36	3.34	3.31	141.07	-628.69	507.83	808.27	801.62	6.65	121.519		
300.00	299.98	283.99	283.96	3.44	3.41	50.41	-629.24	509.20	808.36	801.51	6.85	117.947		
400.00	399.84	400.43	400.40	3.60	3.58	50.71	-628.14	510.00	804.75	797.57	7.18	112.041		
500.00	499.45	545.39	545.17	3.81	3.87	51.31	-621.27	509.21	795.30	787.59	7.72	103.079		
600.00	598.70	699.00	697.67	4.05	4.28	52.12	-603.69	505.13	777.11	768.67	8.43	92.170		
700.00	697.47	855.71	850.88	4.34	4.78	52.89	-571.52	499.79	749.16	739.87	9.29	80.667		
800.00	795.62	971.52	962.08	4.66	5.19	53.53	-539.33	496.61	714.07	704.08	9.99	71.464		
849.22	843.68	1,029.25	1,017.11	4.84	5.41	53.93	-521.98	494.87	695.20	684.83	10.37	67.056		
900.00	893.16	1,089.16	1,073.90	5.02	5.65	54.05	-503.05	492.45	674.59	663.83	10.76	62.696		
1,000.00	990.60	1,178.28	1,158.30	5.41	6.03	54.29	-474.77	488.17	633.47	622.06	11.41	55.538		
1,100.00	1,088.05	1,255.15	1,231.59	5.83	6.37	54.70	-452.02	483.78	593.47	581.43	12.04	49.299		
1,200.00	1,185.49	1,365.70	1,337.05	6.26	6.87	55.55	-419.86	475.84	553.15	540.31	12.84	43.092		
1,300.00	1,282.93	1,464.22	1,430.01	6.70	7.34	56.18	-387.97	468.93	510.40	496.80	13.61	37.508		
1,400.00	1,380.37	1,551.37	1,511.65	7.15	7.78	56.47	-357.77	464.81	467.15	452.78	14.37	32.504		
1,500.00	1,477.82	1,625.93	1,581.99	7.62	8.15	56.72	-333.19	462.47	426.07	410.92	15.15	28.124		
1,600.00	1,575.26	1,716.87	1,668.41	8.09	8.60	57.15	-304.93	460.48	387.01	371.04	15.97	24.231		
1,700.00	1,672.70	1,809.74	1,756.39	8.57	9.07	57.45	-275.23	459.39	347.78	330.97	16.81	20.689		
1,800.00	1,770.15	1,902.21	1,843.79	9.05	9.54	57.65	-244.99	458.94	308.33	290.68	17.66	17.461		
1,900.00	1,867.59	1,995.74	1,932.30	9.54	10.02	58.17	-214.82	457.42	268.67	250.16	18.51	14.515		
2,000.00	1,965.03	2,088.47	2,020.02	10.03	10.50	59.17	-184.89	454.54	228.26	208.89	19.37	11.785		
2,100.00	2,062.48	2,179.78	2,106.45	10.53	10.98	60.79	-155.65	451.16	187.86	167.61	20.25	9.278		
2,200.00	2,159.92	2,271.41	2,193.28	11.03	11.46	63.68	-126.70	446.94	147.61	126.48	21.14	6.983		
2,300.00	2,257.36	2,362.92	2,280.05	11.53	11.95	69.64	-98.22	441.13	107.67	85.60	22.07	4.879		
2,400.00	2,354.81	2,453.95	2,366.29	12.03	12.44	83.06	-69.93	434.10	69.62	46.45	23.17	3.004		
2,500.00	2,452.25	2,544.37	2,451.79	12.54	12.92	116.79	-41.26	427.47	40.83	15.99	24.84	1.644		
2,535.38	2,486.72	2,576.15	2,481.89	12.72	13.10	136.42	-31.36	425.03	37.85	12.49	25.36	1.492	Level 3, CC, ES, SF	
2,600.00	2,549.69	2,635.08	2,537.84	13.04	13.41	169.60	-13.40	420.54	46.69	21.20	25.48	1.832		
2,700.00	2,647.13	2,728.79	2,627.22	13.55	13.91	-164.35	14.33	415.85	76.52	50.60	25.92	2.952		
2,800.00	2,744.58	2,821.77	2,715.76	14.06	14.40	-152.48	42.63	413.94	110.63	83.96	26.67	4.148		
2,900.00	2,842.02	2,912.79	2,802.39	14.57	14.88	-146.42	70.47	411.54	147.50	120.03	27.47	5.370		
3,000.00	2,939.46	3,005.58	2,890.58	15.09	15.38	-142.61	99.21	409.01	185.57	157.19	28.37	6.540		
3,100.00	3,036.91	3,100.09	2,980.12	15.60	15.88	-139.45	129.45	408.70	223.02	193.68	29.34	7.602		
3,200.00	3,134.35	3,191.79	3,067.07	16.11	16.38	-137.26	158.58	408.74	260.48	230.25	30.23	8.616		
3,300.00	3,231.79	3,281.19	3,151.77	16.63	16.86	-135.72	187.17	408.05	298.87	267.79	31.08	9.617		
3,400.00	3,329.24	3,371.44	3,237.25	17.14	17.35	-134.65	216.06	406.32	338.19	306.23	31.96	10.583		
3,500.00	3,426.68	3,469.41	3,330.35	17.66	17.87	-133.91	246.45	403.85	377.32	344.30	33.01	11.430		
3,600.00	3,524.12	3,571.68	3,427.99	18.18	18.41	-133.15	276.88	404.02	413.80	379.68	34.12	12.127		
3,700.00	3,621.57	3,667.66	3,520.04	18.69	18.91	-132.69	304.06	404.12	449.40	414.31	35.10	12.805		
3,800.00	3,719.01	3,760.16	3,608.97	19.21	19.39	-132.40	329.54	404.01	484.61	448.60	36.01	13.459		
3,900.00	3,816.45	3,849.66	3,694.71	19.73	19.85	-132.07	355.17	404.01	520.53	483.66	36.87	14.117		
4,000.00	3,913.90	3,938.63	3,779.57	20.25	20.33	-131.64	381.90	404.57	557.08	519.34	37.74	14.762		
4,100.00	4,011.34	4,026.00	3,862.63	20.77	20.79	-131.21	409.01	404.96	594.48	555.90	38.58	15.408		
4,200.00	4,108.78	4,111.79	3,943.87	21.29	21.26	-130.78	436.57	405.27	632.77	593.36	39.41	16.057		
4,300.00	4,206.22	4,194.97	4,022.18	21.81	21.72	-130.32	464.58	405.52	672.25	632.06	40.19	16.726		
4,400.00	4,303.67	4,281.76	4,103.51	22.33	22.21	-129.84	494.90	405.55	712.85	671.80	41.05	17.366		
4,500.00	4,401.11	4,396.87	4,212.41	22.85	22.84	-129.50	532.15	404.81	751.97	709.58	42.38	17.742		
4,600.00	4,498.55	4,500.77	4,311.78	23.37	23.39	-129.43	562.44	403.73	788.98	745.49	43.49	18.142		
4,700.00	4,596.00	4,600.32	4,407.36	23.89	23.91	-129.43	590.25	402.65	825.13	780.61	44.51	18.536		
4,800.00	4,693.44	4,681.71	4,485.73	24.41	24.34	-129.50	612.22	401.18	861.09	815.82	45.28	19.019		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 140-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,900.00	4,790.88	4,749.64	4,550.69	24.93	24.70	-129.55	631.89	398.67	899.56	853.73	45.83	19.629		
5,000.00	4,888.33	4,829.98	4,627.08	25.46	25.13	-129.59	656.53	395.09	939.76	893.18	46.57	20.177		
5,100.00	4,985.77	4,932.47	4,724.59	25.98	25.69	-129.65	687.69	390.17	979.98	932.30	47.68	20.554		
5,200.00	5,083.21	4,997.84	4,786.62	26.50	26.05	-129.70	708.00	386.58	1,021.05	972.86	48.19	21.188		
5,300.00	5,180.66	5,101.13	4,884.46	27.02	26.62	-129.78	740.43	380.02	1,062.99	1,013.68	49.31	21.556		
5,400.00	5,278.10	5,207.26	4,985.88	27.55	27.19	-130.02	770.78	372.45	1,103.33	1,052.88	50.46	21.867		
5,500.00	5,375.54	5,314.49	5,088.51	28.07	27.77	-130.16	801.25	366.63	1,142.53	1,090.93	51.60	22.143		
5,582.90	5,456.32	5,413.28	5,183.58	28.50	28.28	-130.34	827.61	361.61	1,173.80	1,121.14	52.66	22.290		
5,600.00	5,473.00	5,435.90	5,205.49	28.59	28.39	-130.51	833.06	360.24	1,180.01	1,127.11	52.90	22.306		
5,700.00	5,570.93	5,569.52	5,335.87	29.10	29.04	-131.50	860.68	350.73	1,213.28	1,159.03	54.25	22.364		
5,800.00	5,669.52	5,704.26	5,468.23	29.57	29.67	-132.22	884.78	343.64	1,241.12	1,185.60	55.52	22.355		
5,900.00	5,768.62	5,840.02	5,601.92	30.03	30.29	-132.55	908.16	341.03	1,264.15	1,207.43	56.73	22.286		
6,000.00	5,868.13	5,964.09	5,724.67	30.45	30.83	-132.70	926.20	340.16	1,282.01	1,224.24	57.77	22.191		
6,100.00	5,967.93	6,054.30	5,814.03	30.86	31.22	-132.77	938.55	339.18	1,297.16	1,238.62	58.55	22.156		
6,200.00	6,067.88	6,163.52	5,922.19	31.24	31.70	-132.64	953.62	338.20	1,309.99	1,250.55	59.44	22.038		
6,232.12	6,100.00	6,209.79	5,968.10	31.36	31.90	-41.83	959.42	337.93	1,313.24	1,253.45	59.80	21.961		
6,300.00	6,167.88	6,331.67	6,089.31	31.61	32.40	-41.43	972.11	338.93	1,318.23	1,257.60	60.63	21.742		
6,400.00	6,267.88	7,899.69	7,072.53	31.97	40.82	2.74	1,013.49	1,259.31	1,313.59	1,261.36	52.23	25.150		
6,500.00	6,367.88	7,896.08	7,072.68	32.34	40.77	2.54	1,013.55	1,255.70	1,253.94	1,198.51	55.43	22.622		
6,600.00	6,467.88	7,892.25	7,072.84	32.70	40.71	2.33	1,013.61	1,251.87	1,199.66	1,140.93	58.73	20.426		
6,700.00	6,567.88	7,888.17	7,073.02	33.07	40.65	2.10	1,013.67	1,247.79	1,151.51	1,089.46	62.06	18.555		
6,736.50	6,604.38	7,886.61	7,073.09	33.21	40.63	2.02	1,013.69	1,246.24	1,135.62	1,072.36	63.26	17.951		
6,750.00	6,617.88	7,885.88	7,073.12	33.25	40.61	89.63	1,013.70	1,245.52	1,129.98	1,066.28	63.70	17.740		
6,800.00	6,667.77	7,880.69	7,073.36	33.43	40.54	91.27	1,013.77	1,240.33	1,110.27	1,045.03	65.25	17.017		
6,850.00	6,717.28	7,871.43	7,073.80	33.60	40.40	92.48	1,013.89	1,231.08	1,092.53	1,025.86	66.67	16.387		
6,900.00	6,766.09	7,857.95	7,074.51	33.79	40.20	93.24	1,014.05	1,217.62	1,076.85	1,008.90	67.95	15.848		
6,950.00	6,813.90	7,840.15	7,075.53	33.99	39.94	93.58	1,014.22	1,199.85	1,063.28	994.22	69.06	15.396		
7,000.00	6,860.42	7,818.84	7,076.87	34.20	39.63	93.58	1,014.38	1,178.58	1,051.79	981.76	70.02	15.021		
7,050.00	6,905.36	7,796.92	7,078.01	34.42	39.34	93.38	1,014.62	1,156.69	1,042.34	971.45	70.89	14.704		
7,100.00	6,948.45	7,773.38	7,078.80	34.67	39.03	92.95	1,015.02	1,133.17	1,034.89	963.26	71.63	14.448		
7,150.00	6,989.41	7,748.41	7,079.16	34.94	38.71	92.33	1,015.61	1,108.20	1,029.35	957.10	72.25	14.247		
7,200.00	7,028.00	7,704.64	7,078.17	35.24	38.18	90.76	1,016.76	1,064.47	1,025.52	952.98	72.54	14.137		
7,250.00	7,063.98	7,641.30	7,070.57	35.56	37.47	88.21	1,017.07	1,001.63	1,022.36	949.82	72.54	14.094		
7,300.00	7,097.13	7,598.42	7,061.49	35.92	37.06	86.48	1,016.40	959.74	1,020.00	947.23	72.77	14.017		
7,350.00	7,127.23	7,558.71	7,050.66	36.32	36.71	84.82	1,015.29	921.56	1,018.66	945.69	72.97	13.961		
7,382.18	7,144.92	7,543.00	7,045.75	36.60	36.59	84.15	1,014.72	906.65	1,018.33	945.14	73.19	13.914		
7,400.00	7,154.12	7,543.00	7,045.75	36.75	36.59	84.14	1,014.72	906.65	1,018.46	945.05	73.41	13.874		
7,450.00	7,177.61	7,516.32	7,036.48	37.22	36.40	82.89	1,013.95	881.64	1,019.53	945.81	73.72	13.830		
7,500.00	7,197.57	7,499.09	7,029.85	37.73	36.29	81.96	1,013.73	865.74	1,022.08	947.96	74.12	13.790		
7,550.00	7,213.88	7,481.57	7,022.59	38.28	36.19	80.95	1,013.72	849.80	1,025.92	951.42	74.51	13.769		
7,600.00	7,226.42	7,450.00	7,008.23	38.87	36.02	79.36	1,014.26	821.69	1,031.13	956.42	74.71	13.802		
7,650.00	7,235.13	7,450.00	7,008.23	39.48	36.02	78.84	1,014.26	821.69	1,036.99	961.66	75.34	13.764		
7,700.00	7,239.95	7,417.46	6,992.12	40.12	35.87	77.20	1,015.31	793.45	1,043.69	968.10	75.59	13.808		
7,735.44	7,241.00	7,398.43	6,982.25	40.59	35.79	76.20	1,016.05	777.18	1,048.71	972.90	75.81	13.833		
7,800.00	7,241.11	7,356.00	6,959.14	41.47	35.64	74.97	1,018.01	741.66	1,059.13	983.00	76.13	13.912		
7,900.00	7,241.27	7,286.80	6,918.65	42.96	35.44	72.84	1,020.80	685.63	1,078.46	1,001.82	76.64	14.071		
8,000.00	7,241.44	7,192.25	6,859.06	44.59	35.21	69.74	1,021.75	612.25	1,100.44	1,023.66	76.77	14.333		
8,100.00	7,241.61	7,116.05	6,808.37	46.34	35.03	67.14	1,019.71	555.41	1,124.74	1,047.67	77.07	14.594		
8,200.00	7,241.77	7,072.00	6,777.73	48.20	34.93	65.58	1,017.70	523.82	1,153.17	1,075.40	77.77	14.828		
8,300.00	7,241.94	7,023.67	6,742.56	50.16	34.81	63.83	1,015.24	490.78	1,186.59	1,108.27	78.32	15.150		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 140-MWD+IFR1															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
8,400.00	7,242.11	6,979.00	6,708.33	52.20	34.70	62.17	1,013.07	462.17	1,225.64	1,146.84	78.81	15.553			
8,500.00	7,242.27	6,979.00	6,708.33	54.31	34.70	62.17	1,013.07	462.17	1,269.88	1,189.99	79.90	15.894			
8,600.00	7,242.44	6,941.40	6,678.09	56.49	34.60	60.75	1,011.30	439.90	1,318.81	1,238.52	80.29	16.426			
8,700.00	7,242.60	6,921.32	6,661.35	58.73	34.54	59.97	1,010.36	428.86	1,372.63	1,291.81	80.82	16.984			
8,800.00	7,242.77	6,885.00	6,630.10	61.03	34.44	58.56	1,008.69	410.42	1,431.06	1,350.05	81.01	17.664			
8,900.00	7,242.94	6,885.00	6,630.10	63.37	34.44	58.56	1,008.69	410.42	1,492.67	1,411.04	81.63	18.287			
9,000.00	7,243.10	6,885.00	6,630.10	65.75	34.44	58.56	1,008.69	410.42	1,558.27	1,476.15	82.12	18.977			
9,100.00	7,243.27	6,853.34	6,601.95	68.18	34.33	57.31	1,006.88	396.07	1,626.51	1,544.35	82.15	19.799			
9,200.00	7,243.44	6,839.18	6,589.11	70.63	34.29	56.75	1,005.83	390.20	1,697.71	1,615.38	82.33	20.621			
9,300.00	7,243.60	6,826.60	6,577.58	73.12	34.24	56.24	1,004.78	385.27	1,771.40	1,688.93	82.47	21.480			
9,400.00	7,243.77	6,790.00	6,543.49	75.63	34.12	54.76	1,001.07	372.51	1,847.90	1,765.62	82.28	22.458			
9,500.00	7,243.94	6,790.00	6,543.49	78.17	34.12	54.76	1,001.07	372.51	1,925.46	1,842.98	82.48	23.343			
9,600.00	7,244.10	6,790.00	6,543.49	80.73	34.12	54.76	1,001.07	372.51	2,005.01	1,922.37	82.64	24.262			
9,700.00	7,244.27	6,790.00	6,543.49	83.31	34.12	54.76	1,001.07	372.51	2,086.32	2,003.57	82.75	25.211			
9,800.00	7,244.44	6,790.00	6,543.49	85.91	34.12	54.76	1,001.07	372.51	2,169.20	2,086.36	82.84	26.187			
9,900.00	7,244.60	6,790.00	6,543.49	88.53	34.12	54.76	1,001.07	372.51	2,253.46	2,170.57	82.89	27.186			
10,000.00	7,244.77	6,790.00	6,543.49	91.16	34.12	54.76	1,001.07	372.51	2,338.96	2,256.04	82.93	28.205			
10,100.00	7,244.94	6,790.00	6,543.49	93.81	34.12	54.76	1,001.07	372.51	2,425.57	2,342.63	82.94	29.244			
10,200.00	7,245.10	6,790.00	6,543.49	96.46	34.12	54.76	1,001.07	372.51	2,513.18	2,430.23	82.95	30.299			
10,300.00	7,245.27	6,790.00	6,543.49	99.14	34.12	54.76	1,001.07	372.51	2,601.68	2,518.74	82.94	31.368			
10,400.00	7,245.43	6,790.00	6,543.49	101.82	34.12	54.76	1,001.07	372.51	2,690.99	2,608.06	82.93	32.451			
10,500.00	7,245.60	6,749.90	6,505.24	104.51	33.98	53.15	996.92	361.23	2,779.18	2,696.50	82.67	33.616			
10,600.00	7,245.77	6,746.24	6,501.71	107.21	33.96	53.00	996.59	360.34	2,869.53	2,786.89	82.64	34.723			
10,700.00	7,245.93	6,742.78	6,498.36	109.92	33.95	52.87	996.28	359.52	2,960.48	2,877.87	82.60	35.840			
10,800.00	7,246.10	6,739.49	6,495.17	112.64	33.94	52.74	995.99	358.77	3,051.96	2,969.40	82.57	36.964			
10,900.00	7,246.27	6,736.37	6,492.14	115.37	33.93	52.62	995.72	358.07	3,143.95	3,061.42	82.53	38.095			
11,000.00	7,246.43	6,695.00	6,451.61	118.10	33.78	51.03	992.67	350.44	3,238.04	3,155.72	82.31	39.338			
11,100.00	7,246.60	6,695.00	6,451.61	120.84	33.78	51.03	992.67	350.44	3,330.65	3,248.36	82.30	40.471			
11,200.00	7,246.77	6,695.00	6,451.61	123.58	33.78	51.03	992.67	350.44	3,423.69	3,341.41	82.28	41.611			
11,300.00	7,246.93	6,695.00	6,451.61	126.34	33.78	51.03	992.67	350.44	3,517.10	3,434.84	82.26	42.756			
11,340.34	7,247.00	6,695.00	6,451.61	127.45	33.78	51.03	992.67	350.44	3,554.89	3,472.63	82.25	43.219			
11,400.00	7,247.10	6,695.00	6,451.61	129.09	33.78	48.90	992.67	350.44	3,611.03	3,528.79	82.24	43.907			
11,500.00	7,247.27	6,695.00	6,451.61	131.84	33.78	44.74	992.67	350.44	3,706.05	3,623.81	82.24	45.065			
11,586.15	7,247.43	6,695.00	6,451.61	134.20	33.78	40.44	992.67	350.44	3,788.68	3,706.43	82.24	46.067			
11,600.00	7,247.45	6,695.00	6,451.61	134.57	33.78	40.44	992.67	350.44	3,802.02	3,719.77	82.24	46.229			
11,700.00	7,247.64	6,695.00	6,451.61	137.31	33.78	40.44	992.67	350.44	3,898.43	3,816.17	82.25	47.396			
11,800.00	7,247.82	6,695.00	6,451.61	140.05	33.78	40.44	992.67	350.44	3,995.01	3,912.75	82.26	48.565			
11,900.00	7,248.00	6,695.00	6,451.61	142.79	33.78	40.44	992.67	350.44	4,091.76	4,009.49	82.27	49.736			
12,000.00	7,248.18	6,695.00	6,451.61	145.53	33.78	40.44	992.67	350.44	4,188.66	4,106.39	82.28	50.908			
12,100.00	7,248.37	6,695.00	6,451.61	148.28	33.78	40.44	992.67	350.44	4,285.71	4,203.42	82.29	52.082			
12,200.00	7,248.55	6,695.00	6,451.61	151.04	33.78	40.44	992.67	350.44	4,382.89	4,300.59	82.30	53.257			
12,300.00	7,248.73	6,695.00	6,451.61	153.80	33.78	40.44	992.67	350.44	4,480.19	4,397.88	82.31	54.433			
12,400.00	7,248.91	6,695.00	6,451.61	156.56	33.78	40.44	992.67	350.44	4,577.60	4,495.29	82.32	55.610			
12,500.00	7,249.10	6,695.00	6,451.61	159.32	33.78	40.44	992.67	350.44	4,675.13	4,592.80	82.33	56.787			
12,600.00	7,249.28	6,695.00	6,451.61	162.09	33.78	40.44	992.67	350.44	4,772.76	4,690.42	82.34	57.965			
12,700.00	7,249.46	6,695.00	6,451.61	164.86	33.78	40.44	992.67	350.44	4,870.49	4,788.13	82.35	59.143			
12,800.00	7,249.64	6,695.00	6,451.61	167.63	33.78	40.44	992.67	350.44	4,968.30	4,885.94	82.36	60.321			
12,900.00	7,249.83	6,695.00	6,451.61	170.40	33.78	40.44	992.67	350.44	5,066.20	4,983.82	82.38	61.499			
13,000.00	7,250.01	6,695.00	6,451.61	173.18	33.78	40.44	992.67	350.44	5,164.19	5,081.79	82.39	62.676			
13,100.00	7,250.19	6,695.00	6,451.61	175.96	33.78	40.44	992.67	350.44	5,262.24	5,179.83	82.41	63.854			
13,200.00	7,250.37	6,695.00	6,451.61	178.74	33.78	40.44	992.67	350.44	5,360.37	5,277.94	82.43	65.031			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 140-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,300.00	7,250.56	6,695.00	6,451.61	181.52	33.78	40.44	992.67	350.44	5,458.57	5,376.12	82.45	66.208		
13,400.00	7,250.74	6,695.00	6,451.61	184.31	33.78	40.44	992.67	350.44	5,556.83	5,474.37	82.47	67.384		
13,500.00	7,250.92	6,695.00	6,451.61	187.09	33.78	40.44	992.67	350.44	5,655.15	5,572.67	82.49	68.559		
13,600.00	7,251.10	6,695.00	6,451.61	189.88	33.78	40.44	992.67	350.44	5,753.53	5,671.03	82.51	69.734		
13,700.00	7,251.29	6,695.00	6,451.61	192.67	33.78	40.44	992.67	350.44	5,851.97	5,769.44	82.53	70.907		
13,800.00	7,251.47	6,695.00	6,451.61	195.47	33.78	40.44	992.67	350.44	5,950.46	5,867.90	82.55	72.080		
13,900.00	7,251.65	6,695.00	6,451.61	198.26	33.78	40.44	992.67	350.44	6,048.99	5,966.42	82.58	73.252		
14,000.00	7,251.83	6,695.00	6,451.61	201.05	33.78	40.44	992.67	350.44	6,147.58	6,064.97	82.60	74.422		
14,100.00	7,252.01	6,695.00	6,451.61	203.85	33.78	40.44	992.67	350.44	6,246.21	6,163.58	82.63	75.592		
14,200.00	7,252.20	6,695.00	6,451.61	206.65	33.78	40.44	992.67	350.44	6,344.88	6,262.22	82.66	76.760		
14,300.00	7,252.38	6,695.00	6,451.61	209.45	33.78	40.44	992.67	350.44	6,443.59	6,360.90	82.69	77.927		
14,400.00	7,252.56	6,695.00	6,451.61	212.25	33.78	40.44	992.67	350.44	6,542.34	6,459.63	82.72	79.093		
14,500.00	7,252.74	6,695.00	6,451.61	215.05	33.78	40.44	992.67	350.44	6,641.13	6,558.39	82.75	80.257		
14,600.00	7,252.93	6,695.00	6,451.61	217.86	33.78	40.44	992.67	350.44	6,739.96	6,657.18	82.78	81.419		
14,700.00	7,253.11	6,695.00	6,451.61	220.66	33.78	40.44	992.67	350.44	6,838.82	6,756.00	82.81	82.580		
14,800.00	7,253.29	6,695.00	6,451.61	223.47	33.78	40.44	992.67	350.44	6,937.71	6,854.86	82.85	83.740		
14,900.00	7,253.47	6,695.00	6,451.61	226.27	33.78	40.44	992.67	350.44	7,036.63	6,953.75	82.88	84.898		
15,000.00	7,253.66	6,695.00	6,451.61	229.08	33.78	40.44	992.67	350.44	7,135.59	7,052.67	82.92	86.054		
15,100.00	7,253.84	6,695.00	6,451.61	231.89	33.78	40.44	992.67	350.44	7,234.57	7,151.61	82.96	87.208		
15,200.00	7,254.02	6,695.00	6,451.61	234.70	33.78	40.44	992.67	350.44	7,333.58	7,250.58	83.00	88.361		
15,300.00	7,254.20	6,695.00	6,451.61	237.51	33.78	40.44	992.67	350.44	7,432.62	7,349.58	83.04	89.511		
15,400.00	7,254.39	6,695.00	6,451.61	240.32	33.78	40.44	992.67	350.44	7,531.68	7,448.60	83.08	90.660		
15,500.00	7,254.57	6,695.00	6,451.61	243.13	33.78	40.44	992.67	350.44	7,630.76	7,547.65	83.12	91.807		
15,600.00	7,254.75	6,695.00	6,451.61	245.94	33.78	40.44	992.67	350.44	7,729.87	7,646.71	83.16	92.952		
15,700.00	7,254.93	6,695.00	6,451.61	248.76	33.78	40.44	992.67	350.44	7,829.01	7,745.80	83.20	94.095		
15,800.00	7,255.12	6,695.00	6,451.61	251.57	33.78	40.44	992.67	350.44	7,928.16	7,844.91	83.25	95.236		
15,900.00	7,255.30	6,695.00	6,451.61	254.39	33.78	40.44	992.67	350.44	8,027.34	7,944.04	83.29	96.374		
16,000.00	7,255.48	6,695.00	6,451.61	257.20	33.78	40.44	992.67	350.44	8,126.53	8,043.19	83.34	97.511		
16,100.00	7,255.66	6,695.00	6,451.61	260.02	33.78	40.44	992.67	350.44	8,225.75	8,142.36	83.39	98.645		
16,200.00	7,255.85	6,695.00	6,451.61	262.84	33.78	40.44	992.67	350.44	8,324.98	8,241.54	83.44	99.778		
16,300.00	7,256.03	6,695.00	6,451.61	265.65	33.78	40.44	992.67	350.44	8,424.23	8,340.75	83.48	100.908		
16,400.00	7,256.21	6,695.00	6,451.61	268.47	33.78	40.44	992.67	350.44	8,523.50	8,439.97	83.53	102.036		
16,500.00	7,256.39	6,695.00	6,451.61	271.29	33.78	40.44	992.67	350.44	8,622.79	8,539.20	83.59	103.161		
16,600.00	7,256.58	6,695.00	6,451.61	274.11	33.78	40.44	992.67	350.44	8,722.09	8,638.45	83.64	104.284		
16,700.00	7,256.76	6,695.00	6,451.61	276.93	33.78	40.44	992.67	350.44	8,821.41	8,737.72	83.69	105.405		
16,800.00	7,256.94	6,695.00	6,451.61	279.75	33.78	40.44	992.67	350.44	8,920.74	8,837.00	83.74	106.524		
16,900.00	7,257.12	6,695.00	6,451.61	282.57	33.78	40.44	992.67	350.44	9,020.09	8,936.29	83.80	107.640		
17,000.00	7,257.30	6,695.00	6,451.61	285.40	33.78	40.44	992.67	350.44	9,119.45	9,035.60	83.85	108.753		
17,100.00	7,257.49	6,695.00	6,451.61	288.22	33.78	40.44	992.67	350.44	9,218.83	9,134.92	83.91	109.864		
17,200.00	7,257.67	6,695.00	6,451.61	291.04	33.78	40.44	992.67	350.44	9,318.22	9,234.25	83.97	110.973		
17,300.00	7,257.85	6,695.00	6,451.61	293.87	33.78	40.44	992.67	350.44	9,417.62	9,333.59	84.03	112.079		
17,400.00	7,258.03	6,695.00	6,451.61	296.69	33.78	40.44	992.67	350.44	9,517.04	9,432.95	84.09	113.183		
17,500.00	7,258.22	6,695.00	6,451.61	299.51	33.78	40.44	992.67	350.44	9,616.46	9,532.32	84.15	114.284		
17,600.00	7,258.40	6,651.10	6,408.07	302.34	33.62	38.81	990.23	345.43	9,714.34	9,630.19	84.15	115.439		
17,700.00	7,258.58	6,650.58	6,407.55	305.16	33.62	38.80	990.21	345.38	9,813.76	9,729.54	84.21	116.536		
17,800.00	7,258.76	6,650.08	6,407.05	307.99	33.61	38.78	990.19	345.34	9,913.18	9,828.91	84.27	117.630		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 437-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	142.00	-647.73	506.15	822.11					
100.00	100.00	97.39	97.39	3.28	3.29	141.99	-647.27	505.93	821.58	815.01	6.57	125.009		
200.00	200.00	206.78	206.77	3.34	3.31	141.96	-645.65	505.17	819.99	813.34	6.65	123.300		
300.00	299.98	316.07	316.01	3.44	3.35	51.37	-642.88	503.86	816.16	809.36	6.80	120.017		
400.00	399.84	425.05	424.90	3.60	3.41	51.73	-638.96	502.00	809.02	802.00	7.02	115.250		
500.00	499.45	549.80	549.40	3.81	3.60	52.35	-631.59	499.40	797.71	790.29	7.42	107.441		
600.00	598.70	667.88	666.87	4.05	3.85	53.05	-619.92	497.54	781.49	773.55	7.93	98.509		
700.00	697.47	791.25	789.03	4.34	4.17	53.86	-602.72	496.48	760.47	751.91	8.55	88.895		
800.00	795.62	918.92	914.47	4.66	4.56	54.87	-579.07	495.13	733.73	724.46	9.28	79.086		
849.22	843.68	984.24	978.16	4.84	4.77	55.49	-564.61	493.92	718.25	708.58	9.67	74.248		
900.00	893.16	1,041.80	1,034.00	5.02	4.97	55.82	-550.74	492.39	701.05	691.00	10.05	69.761		
1,000.00	990.60	1,139.76	1,128.84	5.41	5.34	56.49	-526.51	488.70	666.10	655.37	10.72	62.109		
1,100.00	1,088.05	1,238.98	1,224.96	5.83	5.74	57.32	-502.32	484.19	631.14	619.69	11.45	55.108		
1,200.00	1,185.49	1,353.07	1,334.89	6.26	6.22	58.48	-472.68	476.93	594.07	581.81	12.26	48.453		
1,300.00	1,282.93	1,450.00	1,427.45	6.70	6.66	59.45	-444.59	470.69	554.66	541.63	13.03	42.572		
1,400.00	1,380.37	1,548.51	1,521.10	7.15	7.12	60.38	-414.50	465.36	514.62	500.80	13.82	37.238		
1,500.00	1,477.82	1,627.80	1,596.50	7.62	7.49	61.21	-390.31	461.43	474.97	460.37	14.60	32.535		
1,600.00	1,575.26	1,710.81	1,675.99	8.09	7.89	62.14	-366.52	458.87	437.84	422.42	15.41	28.407		
1,700.00	1,672.70	1,798.55	1,760.44	8.57	8.30	63.44	-342.93	456.00	402.28	386.02	16.25	24.750		
1,800.00	1,770.15	1,890.55	1,849.38	9.05	8.74	65.31	-319.76	451.97	367.95	350.83	17.12	21.497		
1,900.00	1,867.59	1,988.24	1,943.68	9.54	9.21	67.73	-294.68	447.32	333.50	315.52	17.99	18.542		
2,000.00	1,965.03	2,084.66	2,036.31	10.03	9.69	70.55	-268.28	442.72	298.09	279.23	18.87	15.799		
2,100.00	2,062.48	2,176.22	2,124.11	10.53	10.14	73.86	-242.67	438.52	262.97	243.18	19.79	13.288		
2,200.00	2,159.92	2,273.02	2,216.86	11.03	10.63	78.08	-215.16	435.24	228.80	208.10	20.69	11.056		
2,300.00	2,257.36	2,364.58	2,304.04	11.53	11.10	83.27	-187.36	432.26	194.14	172.47	21.68	8.956		
2,400.00	2,354.81	2,455.71	2,391.22	12.03	11.57	90.68	-161.03	428.77	163.01	140.27	22.73	7.170		
2,500.00	2,452.25	2,546.24	2,477.90	12.54	12.03	100.67	-135.08	425.88	135.89	112.01	23.87	5.692		
2,600.00	2,549.69	2,639.26	2,567.39	13.04	12.50	114.59	-109.88	422.78	116.53	91.52	25.01	4.659		
2,700.00	2,647.13	2,733.63	2,657.94	13.55	12.98	131.89	-83.35	421.22	105.12	79.06	26.06	4.034		
2,745.82	2,691.78	2,776.35	2,698.82	13.79	13.20	140.68	-70.99	420.31	103.79	77.31	26.48	3.920 CC, ES, SF		
2,800.00	2,744.58	2,827.78	2,747.89	14.06	13.46	151.38	-55.64	419.37	105.49	78.59	26.89	3.922		
2,900.00	2,842.02	2,920.29	2,835.84	14.57	13.95	169.15	-26.96	418.21	117.65	90.13	27.52	4.275		
3,000.00	2,939.46	3,011.92	2,923.02	15.09	14.43	-177.30	1.21	416.57	140.23	112.10	28.12	4.986		
3,100.00	3,036.91	3,105.28	3,012.31	15.60	14.92	-167.98	28.39	414.68	168.60	139.74	28.86	5.842		
3,200.00	3,134.35	3,198.43	3,102.03	16.11	15.39	-161.98	53.35	412.83	199.27	169.59	29.67	6.715		
3,300.00	3,231.79	3,289.15	3,188.95	16.63	15.87	-157.27	79.27	410.95	232.20	201.74	30.46	7.623		
3,400.00	3,329.24	3,383.87	3,279.55	17.14	16.36	-153.50	106.79	408.63	266.79	235.41	31.38	8.503		
3,500.00	3,426.68	3,476.31	3,368.77	17.66	16.83	-151.21	130.81	406.03	300.99	268.74	32.25	9.333		
3,600.00	3,524.12	3,562.40	3,451.82	18.18	17.27	-149.64	153.14	402.08	336.94	303.96	32.99	10.214		
3,700.00	3,621.57	3,652.22	3,537.97	18.69	17.74	-148.16	178.03	396.91	374.92	341.09	33.83	11.083		
3,800.00	3,719.01	3,750.12	3,632.05	19.21	18.25	-146.89	204.58	391.74	412.42	377.57	34.85	11.834		
3,900.00	3,816.45	3,843.70	3,722.21	19.73	18.73	-145.89	229.35	387.66	448.97	413.19	35.78	12.549		
4,000.00	3,913.90	3,926.96	3,801.91	20.25	19.17	-144.90	253.19	384.45	486.47	449.96	36.51	13.326		
4,100.00	4,011.34	4,004.57	3,875.08	20.77	19.60	-143.74	278.87	381.54	526.54	489.41	37.13	14.182		
4,200.00	4,108.78	4,083.81	3,948.90	21.29	20.05	-142.51	307.46	378.07	569.03	531.23	37.80	15.055		
4,300.00	4,206.22	4,174.88	4,033.61	21.81	20.58	-141.29	340.60	373.59	612.35	573.61	38.74	15.805		
4,400.00	4,303.67	4,272.40	4,124.91	22.33	21.13	-140.36	374.33	367.67	655.59	615.77	39.82	16.464		
4,500.00	4,401.11	4,404.26	4,250.75	22.85	21.84	-139.67	413.15	361.67	694.40	652.93	41.47	16.744		
4,600.00	4,498.55	4,501.75	4,345.00	23.37	22.34	-139.50	437.70	357.32	730.76	688.30	42.46	17.211		
4,700.00	4,596.00	4,593.91	4,434.01	23.89	22.81	-139.32	461.25	353.42	767.21	723.85	43.36	17.693		
4,800.00	4,693.44	4,687.96	4,524.72	24.41	23.30	-139.10	485.89	349.97	803.66	759.36	44.30	18.141		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 437-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,790.88	4,788.54	4,621.58	24.93	23.81	-138.79	512.84	347.35	839.75	794.42	45.33	18.524		
5,000.00	4,888.33	4,879.82	4,709.92	25.46	24.28	-138.66	535.57	344.24	875.24	829.01	46.22	18.934		
5,100.00	4,985.77	4,966.86	4,793.96	25.98	24.73	-138.51	558.02	341.14	911.37	864.32	47.06	19.367		
5,200.00	5,083.21	5,057.22	4,881.11	26.50	25.20	-138.37	581.64	337.57	948.02	900.08	47.94	19.774		
5,300.00	5,180.66	5,146.26	4,966.95	27.02	25.66	-138.24	605.00	333.90	984.86	936.05	48.81	20.177		
5,400.00	5,278.10	5,246.85	5,063.61	27.55	26.18	-138.02	632.66	330.60	1,021.94	972.10	49.85	20.501		
5,500.00	5,375.54	5,429.13	5,241.37	28.07	27.07	-138.02	672.27	326.91	1,054.51	1,002.72	51.78	20.364		
5,582.90	5,456.32	5,533.18	5,344.35	28.50	27.53	-138.32	687.02	325.55	1,076.95	1,024.21	52.73	20.422		
5,600.00	5,473.00	5,552.97	5,363.99	28.59	27.62	-138.45	689.54	325.33	1,081.37	1,028.46	52.91	20.437		
5,700.00	5,570.93	5,698.49	5,508.82	29.10	28.21	-139.28	703.29	324.02	1,103.52	1,049.42	54.10	20.399		
5,800.00	5,669.52	5,808.34	5,618.47	29.57	28.64	-139.85	709.93	324.45	1,119.91	1,064.91	55.00	20.363		
5,900.00	5,768.62	5,893.32	5,703.32	30.03	28.97	-140.24	714.63	323.92	1,134.19	1,078.43	55.75	20.343		
6,000.00	5,868.13	5,991.74	5,801.53	30.45	29.36	-140.52	720.83	322.41	1,146.99	1,090.42	56.57	20.277		
6,100.00	5,967.93	6,124.57	5,934.21	30.86	29.87	-140.70	726.86	321.31	1,155.50	1,097.96	57.53	20.083		
6,200.00	6,067.88	6,225.39	6,034.98	31.24	30.25	-140.72	730.02	321.34	1,159.71	1,101.39	58.32	19.885		
6,232.12	6,100.00	6,262.35	6,071.94	31.36	30.39	-50.00	730.80	321.18	1,160.39	1,101.80	58.59	19.806		
6,300.00	6,167.88	6,337.94	6,147.51	31.61	30.67	-49.98	731.63	320.82	1,161.12	1,101.99	59.13	19.637		
6,400.00	6,267.88	6,442.45	6,252.03	31.97	31.04	-49.98	731.96	320.29	1,161.70	1,101.81	59.90	19.395		
6,500.00	6,367.88	7,905.35	7,140.07	32.34	39.14	-1.30	746.27	1,192.71	1,092.35	1,046.45	45.90	23.797		
6,600.00	6,467.88	7,905.76	7,140.07	32.70	39.15	-1.27	746.28	1,193.12	1,023.03	973.45	49.58	20.633		
6,700.00	6,567.88	7,906.17	7,140.08	33.07	39.15	-1.24	746.29	1,193.53	959.14	905.57	53.57	17.904		
6,736.50	6,604.38	7,906.31	7,140.08	33.21	39.15	-1.23	746.29	1,193.67	937.39	882.30	55.09	17.016		
6,750.00	6,617.88	7,906.22	7,140.08	33.25	39.15	86.72	746.29	1,193.58	929.58	873.92	55.65	16.703		
6,800.00	6,667.77	7,903.37	7,140.06	33.43	39.11	89.53	746.24	1,190.73	901.70	843.98	57.72	15.622		
6,850.00	6,717.28	7,896.61	7,140.04	33.60	39.01	91.76	746.11	1,183.97	875.73	816.00	59.73	14.661		
6,900.00	6,766.09	7,886.00	7,139.98	33.79	38.84	93.42	745.92	1,173.36	851.93	790.27	61.66	13.817		
6,950.00	6,813.90	7,871.66	7,139.90	33.99	38.63	94.52	745.66	1,159.02	830.47	767.01	63.46	13.087		
7,000.00	6,860.42	7,855.97	7,139.81	34.20	38.40	95.27	745.40	1,143.34	811.52	746.36	65.15	12.456		
7,050.00	6,905.36	7,837.97	7,139.73	34.42	38.16	95.61	745.16	1,125.34	795.18	728.49	66.69	11.923		
7,100.00	6,948.45	7,816.92	7,139.69	34.67	37.87	95.53	744.98	1,104.29	781.50	713.46	68.04	11.486		
7,150.00	6,989.41	7,792.92	7,139.70	34.94	37.54	95.08	744.90	1,080.29	770.40	701.22	69.18	11.137		
7,200.00	7,028.00	7,762.96	7,139.79	35.24	37.15	94.14	744.96	1,050.33	761.74	691.66	70.07	10.871		
7,250.00	7,063.98	7,721.10	7,139.50	35.56	36.64	92.47	744.87	1,008.47	754.93	684.26	70.67	10.683		
7,300.00	7,097.13	7,688.32	7,138.52	35.92	36.28	91.22	744.80	975.71	749.79	678.50	71.29	10.518		
7,350.00	7,127.23	7,655.42	7,136.44	36.32	35.93	89.88	745.00	942.88	746.43	674.63	71.79	10.397		
7,400.00	7,154.12	7,620.59	7,133.04	36.75	35.57	88.38	745.49	908.22	744.68	672.49	72.19	10.316		
7,450.00	7,177.61	7,574.67	7,125.97	37.22	35.17	86.32	745.99	862.86	743.97	671.56	72.41	10.275		
7,476.11	7,188.48	7,551.58	7,121.17	37.49	34.98	85.27	746.06	840.28	743.87	671.36	72.51	10.259		
7,500.00	7,197.57	7,531.00	7,116.20	37.73	34.83	84.32	746.02	820.30	743.95	671.37	72.58	10.250		
7,550.00	7,213.88	7,503.29	7,108.45	38.28	34.65	82.99	746.06	793.70	744.98	672.03	72.95	10.212		
7,600.00	7,226.42	7,475.84	7,099.58	38.87	34.49	81.62	746.44	767.73	747.37	674.07	73.29	10.197		
7,650.00	7,235.13	7,448.58	7,089.60	39.48	34.35	80.21	747.15	742.38	750.96	677.35	73.62	10.201		
7,700.00	7,239.95	7,412.39	7,074.65	40.12	34.20	78.46	748.37	709.45	755.50	681.65	73.84	10.231		
7,735.44	7,241.00	7,382.46	7,060.97	40.59	34.09	77.08	749.09	682.84	758.80	684.85	73.94	10.262		
7,800.00	7,241.11	7,330.67	7,034.59	41.47	33.93	75.11	749.63	638.29	765.59	691.45	74.14	10.327		
7,900.00	7,241.27	7,260.76	6,992.91	42.96	33.74	72.02	748.56	582.23	780.00	705.52	74.48	10.473		
8,000.00	7,241.44	7,210.42	6,958.99	44.59	33.60	69.55	746.86	545.09	800.90	725.92	74.98	10.682		
8,100.00	7,241.61	7,167.53	6,928.19	46.34	33.49	67.37	745.66	515.27	829.44	754.00	75.43	10.996		
8,200.00	7,241.77	7,127.23	6,897.74	48.20	33.38	65.28	744.66	488.91	865.42	789.66	75.76	11.423		
8,300.00	7,241.94	7,091.02	6,869.12	50.16	33.27	63.36	743.58	466.76	908.34	832.34	76.00	11.952		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 437-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,400.00	7,242.11	7,060.00	6,843.71	52.20	33.18	61.70	742.50	449.00	957.71	881.54	76.18	12.572		
8,500.00	7,242.27	7,027.37	6,816.24	54.31	33.08	59.95	741.19	431.44	1,012.84	936.63	76.21	13.290		
8,600.00	7,242.44	6,998.85	6,791.73	56.49	33.00	58.43	739.90	416.92	1,073.01	996.80	76.21	14.079		
8,700.00	7,242.60	6,966.00	6,762.94	58.73	32.89	56.69	738.24	401.19	1,137.67	1,061.60	76.07	14.956		
8,800.00	7,242.77	6,966.00	6,762.94	61.03	32.89	56.69	738.24	401.19	1,206.35	1,129.97	76.39	15.793		
8,900.00	7,242.94	6,966.00	6,762.94	63.37	32.89	56.69	738.24	401.19	1,279.17	1,202.58	76.59	16.702		
9,000.00	7,243.10	6,924.74	6,725.83	65.75	32.76	54.54	736.27	383.27	1,353.58	1,277.35	76.23	17.757		
9,100.00	7,243.27	6,911.89	6,714.06	68.18	32.71	53.88	735.76	378.17	1,431.47	1,355.27	76.20	18.786		
9,200.00	7,243.44	6,872.00	6,676.86	70.63	32.58	51.89	734.47	363.81	1,512.50	1,436.65	75.85	19.941		
9,300.00	7,243.60	6,872.00	6,676.86	73.12	32.58	51.89	734.47	363.81	1,594.13	1,518.20	75.93	20.994		
9,400.00	7,243.77	6,872.00	6,676.86	75.63	32.58	51.89	734.47	363.81	1,677.75	1,601.77	75.98	22.083		
9,500.00	7,243.94	6,872.00	6,676.86	78.17	32.58	51.89	734.47	363.81	1,763.07	1,687.09	75.99	23.202		
9,600.00	7,244.10	6,872.00	6,676.86	80.73	32.58	51.89	734.47	363.81	1,849.87	1,773.89	75.98	24.348		
9,700.00	7,244.27	6,872.00	6,676.86	83.31	32.58	51.89	734.47	363.81	1,937.94	1,861.99	75.95	25.517		
9,800.00	7,244.44	6,872.00	6,676.86	85.91	32.58	51.89	734.47	363.81	2,027.11	1,951.21	75.91	26.705		
9,900.00	7,244.60	6,837.47	6,644.04	88.53	32.46	50.22	733.76	353.14	2,116.13	2,040.44	75.70	27.956		
10,000.00	7,244.77	6,830.58	6,637.43	91.16	32.44	49.90	733.66	351.19	2,206.65	2,131.02	75.63	29.177		
10,100.00	7,244.94	6,824.12	6,631.22	93.81	32.42	49.60	733.59	349.43	2,297.87	2,222.30	75.57	30.408		
10,200.00	7,245.10	6,818.04	6,625.35	96.46	32.40	49.32	733.53	347.82	2,389.73	2,314.22	75.51	31.649		
10,300.00	7,245.27	6,812.32	6,619.82	99.14	32.38	49.05	733.49	346.35	2,482.15	2,406.70	75.45	32.898		
10,400.00	7,245.43	6,777.00	6,585.45	101.82	32.25	47.48	733.49	338.23	2,575.89	2,500.59	75.30	34.208		
10,500.00	7,245.60	6,777.00	6,585.45	104.51	32.25	47.48	733.49	338.23	2,669.03	2,593.76	75.27	35.458		
10,600.00	7,245.77	6,777.00	6,585.45	107.21	32.25	47.48	733.49	338.23	2,762.65	2,687.41	75.25	36.715		
10,700.00	7,245.93	6,777.00	6,585.45	109.92	32.25	47.48	733.49	338.23	2,856.71	2,781.49	75.22	37.979		
10,800.00	7,246.10	6,777.00	6,585.45	112.64	32.25	47.48	733.49	338.23	2,951.15	2,875.96	75.19	39.250		
10,900.00	7,246.27	6,777.00	6,585.45	115.37	32.25	47.48	733.49	338.23	3,045.95	2,970.79	75.16	40.526		
11,000.00	7,246.43	6,777.00	6,585.45	118.10	32.25	47.48	733.49	338.23	3,141.07	3,065.94	75.13	41.806		
11,100.00	7,246.60	6,777.00	6,585.45	120.84	32.25	47.48	733.49	338.23	3,236.49	3,161.38	75.11	43.091		
11,200.00	7,246.77	6,777.00	6,585.45	123.58	32.25	47.48	733.49	338.23	3,332.17	3,257.09	75.08	44.380		
11,300.00	7,246.93	6,777.00	6,585.45	126.34	32.25	47.48	733.49	338.23	3,428.10	3,353.04	75.06	45.671		
11,340.34	7,247.00	6,777.00	6,585.45	127.45	32.25	47.48	733.49	338.23	3,466.87	3,391.81	75.05	46.193		
11,400.00	7,247.10	6,777.00	6,585.45	129.09	32.25	44.48	733.49	338.23	3,524.38	3,449.34	75.04	46.966		
11,500.00	7,247.27	6,777.00	6,585.45	131.84	32.25	38.47	733.49	338.23	3,621.41	3,546.37	75.04	48.261		
11,586.15	7,247.43	6,777.00	6,585.45	134.20	32.25	32.13	733.49	338.23	3,705.52	3,630.48	75.05	49.377		
11,600.00	7,247.45	6,777.00	6,585.45	134.57	32.25	32.13	733.49	338.23	3,719.08	3,644.03	75.05	49.556		
11,700.00	7,247.64	6,777.00	6,585.45	137.31	32.25	32.13	733.49	338.23	3,817.02	3,741.96	75.06	50.851		
11,800.00	7,247.82	6,777.00	6,585.45	140.05	32.25	32.13	733.49	338.23	3,915.06	3,839.99	75.08	52.146		
11,900.00	7,248.00	6,777.00	6,585.45	142.79	32.25	32.13	733.49	338.23	4,013.21	3,938.11	75.09	53.442		
12,000.00	7,248.18	6,777.00	6,585.45	145.53	32.25	32.13	733.49	338.23	4,111.43	4,036.32	75.11	54.738		
12,100.00	7,248.37	6,777.00	6,585.45	148.28	32.25	32.13	733.49	338.23	4,209.75	4,134.62	75.13	56.034		
12,200.00	7,248.55	6,777.00	6,585.45	151.04	32.25	32.13	733.49	338.23	4,308.14	4,232.99	75.15	57.329		
12,300.00	7,248.73	6,777.00	6,585.45	153.80	32.25	32.13	733.49	338.23	4,406.60	4,331.44	75.17	58.624		
12,400.00	7,248.91	6,777.00	6,585.45	156.56	32.25	32.13	733.49	338.23	4,505.13	4,429.95	75.19	59.919		
12,500.00	7,249.10	6,777.00	6,585.45	159.32	32.25	32.13	733.49	338.23	4,603.73	4,528.52	75.21	61.213		
12,600.00	7,249.28	6,735.58	6,544.70	162.09	32.11	30.59	733.62	330.88	4,701.01	4,625.79	75.22	62.496		
12,700.00	7,249.46	6,733.66	6,542.80	164.86	32.10	30.52	733.62	330.60	4,799.60	4,724.35	75.25	63.786		
12,800.00	7,249.64	6,731.81	6,540.97	167.63	32.09	30.46	733.62	330.33	4,898.23	4,822.96	75.27	65.074		
12,900.00	7,249.83	6,730.02	6,539.20	170.40	32.09	30.39	733.62	330.08	4,996.92	4,921.62	75.30	66.362		
13,000.00	7,250.01	6,728.30	6,537.49	173.18	32.08	30.33	733.61	329.84	5,095.65	5,020.32	75.33	67.648		
13,100.00	7,250.19	6,726.63	6,535.84	175.96	32.07	30.27	733.61	329.61	5,194.42	5,119.07	75.36	68.932		
13,200.00	7,250.37	6,725.02	6,534.24	178.74	32.07	30.22	733.61	329.39	5,293.24	5,217.85	75.39	70.215		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 437-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,300.00	7,250.56	6,723.46	6,532.70	181.52	32.06	30.16	733.61	329.18	5,392.10	5,316.68	75.42	71.497		
13,400.00	7,250.74	6,682.00	6,491.46	184.31	31.92	28.75	733.41	324.93	5,492.24	5,416.80	75.44	72.804		
13,500.00	7,250.92	6,682.00	6,491.46	187.09	31.92	28.75	733.41	324.93	5,591.08	5,515.61	75.47	74.080		
13,600.00	7,251.10	6,682.00	6,491.46	189.88	31.92	28.75	733.41	324.93	5,689.96	5,614.45	75.51	75.354		
13,700.00	7,251.29	6,682.00	6,491.46	192.67	31.92	28.75	733.41	324.93	5,788.88	5,713.33	75.55	76.627		
13,800.00	7,251.47	6,682.00	6,491.46	195.47	31.92	28.75	733.41	324.93	5,887.83	5,812.25	75.58	77.898		
13,900.00	7,251.65	6,682.00	6,491.46	198.26	31.92	28.75	733.41	324.93	5,986.82	5,911.20	75.62	79.167		
14,000.00	7,251.83	6,682.00	6,491.46	201.05	31.92	28.75	733.41	324.93	6,085.84	6,010.18	75.66	80.434		
14,100.00	7,252.01	6,682.00	6,491.46	203.85	31.92	28.75	733.41	324.93	6,184.89	6,109.19	75.70	81.699		
14,200.00	7,252.20	6,682.00	6,491.46	206.65	31.92	28.75	733.41	324.93	6,283.98	6,208.23	75.74	82.963		
14,300.00	7,252.38	6,682.00	6,491.46	209.45	31.92	28.75	733.41	324.93	6,383.09	6,307.30	75.79	84.224		
14,400.00	7,252.56	6,682.00	6,491.46	212.25	31.92	28.75	733.41	324.93	6,482.23	6,406.40	75.83	85.483		
14,500.00	7,252.74	6,682.00	6,491.46	215.05	31.92	28.75	733.41	324.93	6,581.39	6,505.52	75.87	86.740		
14,600.00	7,252.93	6,682.00	6,491.46	217.86	31.92	28.75	733.41	324.93	6,680.58	6,604.66	75.92	87.995		
14,700.00	7,253.11	6,682.00	6,491.46	220.66	31.92	28.75	733.41	324.93	6,779.80	6,703.83	75.97	89.247		
14,800.00	7,253.29	6,682.00	6,491.46	223.47	31.92	28.75	733.41	324.93	6,879.03	6,803.02	76.01	90.497		
14,900.00	7,253.47	6,682.00	6,491.46	226.27	31.92	28.75	733.41	324.93	6,978.29	6,902.23	76.06	91.745		
15,000.00	7,253.66	6,682.00	6,491.46	229.08	31.92	28.75	733.41	324.93	7,077.57	7,001.46	76.11	92.990		
15,100.00	7,253.84	6,682.00	6,491.46	231.89	31.92	28.75	733.41	324.93	7,176.87	7,100.71	76.16	94.233		
15,200.00	7,254.02	6,682.00	6,491.46	234.70	31.92	28.75	733.41	324.93	7,276.19	7,199.98	76.21	95.473		
15,300.00	7,254.20	6,682.00	6,491.46	237.51	31.92	28.75	733.41	324.93	7,375.53	7,299.26	76.26	96.710		
15,400.00	7,254.39	6,682.00	6,491.46	240.32	31.92	28.75	733.41	324.93	7,474.88	7,398.56	76.32	97.945		
15,500.00	7,254.57	6,682.00	6,491.46	243.13	31.92	28.75	733.41	324.93	7,574.25	7,497.88	76.37	99.177		
15,600.00	7,254.75	6,682.00	6,491.46	245.94	31.92	28.75	733.41	324.93	7,673.64	7,597.22	76.43	100.406		
15,700.00	7,254.93	6,682.00	6,491.46	248.76	31.92	28.75	733.41	324.93	7,773.05	7,696.56	76.48	101.633		
15,800.00	7,255.12	6,682.00	6,491.46	251.57	31.92	28.75	733.41	324.93	7,872.46	7,795.93	76.54	102.857		
15,900.00	7,255.30	6,682.00	6,491.46	254.39	31.92	28.75	733.41	324.93	7,971.90	7,895.30	76.60	104.077		
16,000.00	7,255.48	6,682.00	6,491.46	257.20	31.92	28.75	733.41	324.93	8,071.34	7,994.69	76.65	105.295		
16,100.00	7,255.66	6,682.00	6,491.46	260.02	31.92	28.75	733.41	324.93	8,170.81	8,094.09	76.71	106.511		
16,200.00	7,255.85	6,682.00	6,491.46	262.84	31.92	28.75	733.41	324.93	8,270.28	8,193.51	76.77	107.723		
16,300.00	7,256.03	6,682.00	6,491.46	265.65	31.92	28.75	733.41	324.93	8,369.77	8,292.93	76.83	108.932		
16,400.00	7,256.21	6,682.00	6,491.46	268.47	31.92	28.75	733.41	324.93	8,469.26	8,392.37	76.90	110.138		
16,500.00	7,256.39	6,682.00	6,491.46	271.29	31.92	28.75	733.41	324.93	8,568.77	8,491.81	76.96	111.341		
16,600.00	7,256.58	6,682.00	6,491.46	274.11	31.92	28.75	733.41	324.93	8,668.30	8,591.27	77.02	112.541		
16,700.00	7,256.76	6,682.00	6,491.46	276.93	31.92	28.75	733.41	324.93	8,767.83	8,690.74	77.09	113.738		
16,800.00	7,256.94	6,682.00	6,491.46	279.75	31.92	28.75	733.41	324.93	8,867.37	8,790.22	77.15	114.932		
16,900.00	7,257.12	6,682.00	6,491.46	282.57	31.92	28.75	733.41	324.93	8,966.92	8,889.70	77.22	116.122		
17,000.00	7,257.30	6,682.00	6,491.46	285.40	31.92	28.75	733.41	324.93	9,066.49	8,989.20	77.29	117.310		
17,100.00	7,257.49	6,682.00	6,491.46	288.22	31.92	28.75	733.41	324.93	9,166.06	9,088.70	77.35	118.494		
17,200.00	7,257.67	6,682.00	6,491.46	291.04	31.92	28.75	733.41	324.93	9,265.64	9,188.22	77.42	119.675		
17,300.00	7,257.85	6,682.00	6,491.46	293.87	31.92	28.75	733.41	324.93	9,365.23	9,287.74	77.49	120.853		
17,400.00	7,258.03	6,682.00	6,491.46	296.69	31.92	28.75	733.41	324.93	9,464.83	9,387.27	77.56	122.027		
17,500.00	7,258.22	6,682.00	6,491.46	299.51	31.92	28.75	733.41	324.93	9,564.44	9,486.80	77.63	123.198		
17,600.00	7,258.40	6,682.00	6,491.46	302.34	31.92	28.75	733.41	324.93	9,664.05	9,586.35	77.71	124.366		
17,700.00	7,258.58	6,682.00	6,491.46	305.16	31.92	28.75	733.41	324.93	9,763.68	9,685.90	77.78	125.530		
17,800.00	7,258.76	6,682.00	6,491.46	307.99	31.92	28.75	733.41	324.93	9,863.31	9,785.45	77.85	126.691		
17,900.00	7,258.95	6,682.00	6,491.46	310.82	31.92	28.75	733.41	324.93	9,962.95	9,885.02	77.93	127.849		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 28N-18B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 166-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	147.34	-787.99	505.04	936.01					
100.00	100.00	89.29	89.29	3.28	3.29	147.36	-788.11	504.82	935.93	929.36	6.57	142.443		
200.00	200.00	189.98	189.97	3.34	3.31	147.41	-788.54	504.06	935.88	929.23	6.65	140.722		
300.00	299.98	281.40	281.39	3.44	3.39	56.85	-789.03	503.19	934.90	928.06	6.84	136.751		
379.38	379.26	336.48	336.46	3.56	3.46	57.05	-790.42	503.15	934.46	927.43	7.03	132.864 CC		
400.00	399.84	353.00	352.96	3.60	3.49	57.12	-791.10	503.26	934.49	927.40	7.09	131.722 ES		
500.00	499.45	428.49	428.31	3.81	3.61	57.58	-795.58	503.62	935.06	927.62	7.44	125.718		
600.00	598.70	502.71	502.24	4.05	3.76	58.22	-802.10	503.91	936.33	928.48	7.85	119.252		
700.00	697.47	579.73	578.77	4.34	3.95	59.01	-810.71	505.09	938.63	930.29	8.33	112.664		
800.00	795.62	658.20	656.53	4.66	4.15	59.98	-821.11	506.46	941.47	932.60	8.87	106.150		
849.22	843.68	694.61	692.51	4.84	4.26	60.50	-826.66	507.04	943.24	934.09	9.15	103.092		
900.00	893.16	727.00	724.45	5.02	4.36	61.01	-832.03	507.52	945.63	936.19	9.44	100.169		
1,000.00	990.60	801.69	797.76	5.41	4.60	62.25	-846.24	508.20	952.79	942.73	10.06	94.680		
1,100.00	1,088.05	877.02	871.19	5.83	4.87	63.59	-863.05	508.12	963.20	952.48	10.72	89.860		
1,200.00	1,185.49	951.43	943.27	6.26	5.15	64.98	-881.50	507.10	976.34	964.95	11.39	85.712		
1,300.00	1,282.93	1,025.20	1,014.11	6.70	5.45	66.43	-901.93	504.86	992.56	980.48	12.08	82.152		
1,400.00	1,380.37	1,109.52	1,094.74	7.15	5.82	68.08	-926.43	502.12	1,011.08	998.26	12.83	78.824		
1,500.00	1,477.82	1,195.69	1,176.95	7.62	6.21	69.74	-952.11	499.18	1,031.32	1,017.72	13.60	75.847		
1,600.00	1,575.26	1,290.75	1,267.59	8.09	6.66	71.50	-980.58	496.06	1,052.74	1,038.32	14.43	72.973		
1,700.00	1,672.70	1,371.88	1,344.88	8.57	7.06	72.94	-1,005.13	493.54	1,075.45	1,060.25	15.20	70.755		
1,800.00	1,770.15	1,461.99	1,430.40	9.05	7.51	74.56	-1,033.23	489.51	1,099.71	1,083.68	16.03	68.593		
1,900.00	1,867.59	1,553.45	1,516.99	9.54	7.98	76.24	-1,062.05	483.37	1,124.92	1,108.03	16.89	66.620		
2,000.00	1,965.03	1,653.23	1,611.48	10.03	8.50	78.02	-1,093.23	476.16	1,150.81	1,133.01	17.80	64.647		
2,100.00	2,062.48	1,746.67	1,700.27	10.53	8.99	79.58	-1,121.72	470.06	1,176.94	1,158.25	18.69	62.986		
2,200.00	2,159.92	1,869.17	1,817.03	11.03	9.64	81.48	-1,158.09	463.04	1,203.32	1,183.55	19.77	60.861		
2,300.00	2,257.36	1,974.25	1,917.95	11.53	10.18	83.00	-1,186.89	457.73	1,228.12	1,207.37	20.75	59.199		
2,400.00	2,354.81	2,081.84	2,021.61	12.03	10.74	84.45	-1,215.29	453.06	1,252.62	1,230.88	21.74	57.616		
2,500.00	2,452.25	2,185.30	2,121.60	12.54	11.27	85.79	-1,241.44	448.35	1,276.61	1,253.90	22.71	56.209		
2,600.00	2,549.69	2,270.24	2,203.72	13.04	11.71	86.86	-1,262.81	444.55	1,301.07	1,277.51	23.56	55.220		
2,700.00	2,647.13	2,342.00	2,272.85	13.55	12.09	87.72	-1,281.85	441.73	1,327.34	1,303.03	24.32	54.583		
2,800.00	2,744.58	2,464.66	2,391.26	14.06	12.73	89.10	-1,313.60	437.53	1,353.36	1,327.91	25.44	53.189		
2,900.00	2,842.02	2,547.93	2,471.73	14.57	13.17	89.99	-1,334.85	434.94	1,379.53	1,353.24	26.29	52.480		
3,000.00	2,939.46	2,630.48	2,551.35	15.09	13.60	90.81	-1,356.56	433.24	1,406.77	1,379.64	27.12	51.863		
3,100.00	3,036.91	2,700.61	2,618.76	15.60	13.98	91.48	-1,375.86	431.81	1,435.52	1,407.65	27.87	51.516		
3,200.00	3,134.35	2,811.99	2,725.66	16.11	14.58	92.54	-1,406.93	428.58	1,465.11	1,436.17	28.94	50.630		
3,300.00	3,231.79	2,882.80	2,793.67	16.63	14.97	93.21	-1,426.47	425.96	1,494.79	1,465.11	29.68	50.359		
3,400.00	3,329.24	2,960.69	2,868.18	17.14	15.39	93.95	-1,448.89	422.41	1,526.05	1,495.56	30.48	50.063		
3,500.00	3,426.68	3,082.77	2,984.99	17.66	16.06	95.05	-1,483.95	417.11	1,557.70	1,526.03	31.66	49.198		
3,600.00	3,524.12	3,164.96	3,063.96	18.18	16.51	95.76	-1,506.50	413.67	1,588.27	1,555.76	32.50	48.867		
3,700.00	3,621.57	3,249.69	3,145.13	18.69	16.98	96.47	-1,530.48	409.97	1,619.95	1,586.59	33.36	48.555		
3,800.00	3,719.01	3,390.13	3,280.16	19.21	17.74	97.58	-1,568.71	404.59	1,650.86	1,616.16	34.70	47.577		
3,900.00	3,816.45	3,452.04	3,339.78	19.73	18.08	98.05	-1,585.22	402.42	1,681.35	1,645.98	35.37	47.536		
4,000.00	3,913.90	3,574.00	3,457.12	20.25	18.74	98.94	-1,618.13	397.91	1,712.50	1,675.95	36.55	46.852		
4,100.00	4,011.34	3,659.98	3,540.04	20.77	19.20	99.52	-1,640.80	395.78	1,742.93	1,705.51	37.43	46.569		
4,200.00	4,108.78	3,737.32	3,614.46	21.29	19.62	100.01	-1,661.78	394.13	1,774.19	1,735.96	38.23	46.408		
4,300.00	4,206.22	3,808.45	3,682.71	21.81	20.01	100.44	-1,681.75	392.48	1,806.57	1,767.59	38.98	46.351		
4,400.00	4,303.67	3,884.05	3,754.96	22.33	20.43	100.88	-1,703.92	390.76	1,840.23	1,800.47	39.76	46.283		
4,500.00	4,401.11	3,969.82	3,836.77	22.85	20.91	101.36	-1,729.63	389.00	1,874.59	1,833.95	40.64	46.125		
4,600.00	4,498.55	4,057.59	3,920.43	23.37	21.41	101.82	-1,756.11	387.27	1,909.27	1,867.72	41.54	45.959		
4,700.00	4,596.00	4,138.33	3,997.25	23.89	21.87	102.23	-1,780.92	385.79	1,944.53	1,902.15	42.38	45.886		
4,800.00	4,693.44	4,226.37	4,080.92	24.41	22.37	102.66	-1,808.28	384.01	1,980.29	1,937.01	43.28	45.750		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
4,900.00	4,790.88	4,345.66	4,194.51	24.93	23.05	103.24	-1,844.57	381.42	2,015.58	1,971.09	44.50	45.298			
5,000.00	4,888.33	4,444.61	4,289.07	25.46	23.61	103.71	-1,873.69	379.31	2,050.04	2,004.53	45.51	45.050			
5,100.00	4,985.77	4,525.69	4,366.54	25.98	24.06	104.12	-1,897.36	375.90	2,085.02	2,038.68	46.34	44.990			
5,200.00	5,083.21	4,632.59	4,468.79	26.50	24.66	104.69	-1,928.01	370.25	2,119.99	2,072.56	47.43	44.700			
5,300.00	5,180.66	4,779.62	4,610.03	27.02	25.47	105.46	-1,968.14	362.57	2,153.96	2,105.09	48.87	44.076			
5,400.00	5,278.10	4,872.97	4,700.21	27.55	25.97	105.93	-1,991.85	358.19	2,186.04	2,136.23	49.81	43.884			
5,500.00	5,375.54	4,969.30	4,793.11	28.07	26.49	106.43	-2,016.65	352.49	2,218.99	2,168.20	50.78	43.694			
5,582.90	5,456.32	5,051.52	4,872.58	28.50	26.93	106.86	-2,037.13	347.51	2,245.80	2,194.19	51.61	43.516			
5,600.00	5,473.00	5,065.52	4,886.11	28.59	27.01	107.04	-2,040.65	346.72	2,251.35	2,199.60	51.75	43.502			
5,700.00	5,570.93	5,159.88	4,977.22	29.10	27.51	108.08	-2,064.63	341.58	2,283.43	2,230.74	52.69	43.339			
5,800.00	5,669.52	5,262.08	5,075.99	29.57	28.06	109.01	-2,090.35	336.21	2,314.26	2,260.60	53.67	43.122			
5,900.00	5,768.62	5,368.33	5,174.53	30.03	29.76	110.11	-2,160.57	328.17	2,339.49	2,283.13	56.36	41.510			
6,000.00	5,868.13	5,462.61	5,264.64	30.45	30.86	110.67	-2,192.65	327.91	2,355.54	2,297.56	57.98	40.623			
6,100.00	5,967.93	5,564.18	5,364.75	30.86	31.45	111.02	-2,203.90	325.64	2,365.75	2,306.78	58.98	40.113			
6,200.00	6,067.88	5,663.24	5,464.53	31.24	31.97	111.23	-2,211.92	323.34	2,373.18	2,313.30	59.88	39.632			
6,232.12	6,100.00	5,677.45	5,490.64	31.36	32.23	-158.03	-2,215.32	322.49	2,375.05	2,314.81	60.24	39.429			
6,300.00	6,167.88	5,727.26	5,540.40	31.61	32.80	-158.05	-2,219.26	321.66	2,376.68	2,315.71	60.97	38.981			
6,400.00	6,267.88	5,826.26	5,640.25	31.97	33.14	-178.96	-2,224.94	1,169.75	2,364.32	2,300.37	63.95	36.970			
6,500.00	6,367.88	5,926.26	5,740.27	32.34	33.52	-178.92	-2,224.91	1,168.48	2,330.69	2,265.22	65.47	35.598			
6,600.00	6,467.88	6,026.26	5,840.28	32.70	33.90	-178.89	-2,224.88	1,167.21	2,300.92	2,233.99	66.93	34.376			
6,700.00	6,567.88	6,126.26	5,940.30	33.07	34.28	-178.86	-2,224.85	1,165.94	2,275.16	2,206.84	68.33	33.299			
6,736.50	6,604.38	6,163.38	5,976.31	33.21	34.42	-178.85	-2,224.84	1,165.48	2,266.79	2,197.97	68.81	32.941			
6,750.00	6,617.88	6,176.38	5,989.31	33.25	34.46	-92.02	-2,224.84	1,165.18	2,263.83	2,194.85	68.99	32.816			
6,800.00	6,667.77	6,226.27	6,039.36	33.43	34.64	-92.87	-2,224.76	1,161.87	2,253.66	2,184.09	69.57	32.393			
6,850.00	6,717.28	6,276.28	6,089.46	33.60	34.81	-93.51	-2,224.60	1,155.09	2,244.74	2,174.66	70.08	32.031			
6,900.00	6,766.09	6,326.29	6,139.61	33.79	35.00	-93.95	-2,224.37	1,144.89	2,237.10	2,166.59	70.51	31.728			
6,950.00	6,813.90	6,376.30	6,189.64	33.99	35.19	-94.46	-2,224.32	1,142.50	2,230.77	2,159.74	71.03	31.407			
7,000.00	6,860.42	6,426.31	6,239.64	34.20	35.38	-94.90	-2,224.32	1,142.50	2,225.86	2,154.30	71.56	31.104			
7,050.00	6,905.36	6,476.32	6,289.64	34.42	35.57	-94.61	-2,223.89	1,115.85	2,222.07	2,150.36	71.71	30.988			
7,100.00	6,948.45	6,526.33	6,339.74	34.67	35.76	-94.54	-2,223.81	1,103.05	2,219.69	2,147.67	72.03	30.818			
7,150.00	6,989.41	6,576.34	6,389.75	34.94	35.95	-94.34	-2,223.80	1,088.63	2,218.58	2,146.27	72.31	30.683			
7,170.64	7,005.65	6,592.58	6,405.99	35.06	36.07	-94.22	-2,223.82	1,082.23	2,218.48	2,146.06	72.42	30.634			
7,200.00	7,028.00	6,615.18	6,428.73	35.24	36.25	-94.02	-2,223.90	1,072.69	2,218.68	2,146.12	72.56	30.577			
7,250.00	7,063.98	6,651.00	6,464.15	35.56	36.57	-93.44	-2,224.31	1,047.18	2,219.96	2,154.37	72.59	30.548			
7,300.00	7,097.13	6,684.63	6,498.63	35.92	36.92	-92.70	-2,224.95	1,014.16	2,222.14	2,149.39	72.75	30.547			
7,350.00	7,127.23	6,714.12	6,528.08	36.32	37.32	-91.54	-2,225.68	953.65	2,224.68	2,152.19	72.49	30.691			
7,400.00	7,154.12	6,741.09	6,555.14	36.75	37.75	-90.64	-2,225.98	906.63	2,227.45	2,154.96	72.49	30.729			
7,450.00	7,177.61	6,764.06	6,578.02	37.22	38.22	-89.78	-2,226.19	857.60	2,230.46	2,157.97	72.49	30.769			
7,500.00	7,197.57	6,784.56	6,598.01	37.73	38.73	-88.95	-2,226.24	806.11	2,233.56	2,160.98	72.58	30.774			
7,550.00	7,213.88	6,800.56	6,614.12	38.28	39.28	-87.22	-2,223.25	659.81	2,236.46	2,164.41	72.04	31.043			
7,600.00	7,226.42	6,813.00	6,627.17	38.87	39.87	-86.85	-2,221.85	635.62	2,237.51	2,165.03	72.48	30.870			
7,650.00	7,235.13	6,821.43	6,635.14	39.48	40.48	-86.36	-2,220.00	602.06	2,238.76	2,165.82	72.94	30.692			
7,700.00	7,239.95	6,826.31	6,640.63	40.12	41.12	-86.00	-2,219.31	585.87	2,240.69	2,167.18	73.51	30.481			
7,735.44	7,241.00	6,827.38	6,641.21	40.59	41.59	-85.73	-2,218.92	574.80	2,242.36	2,168.44	73.92	30.335			
7,800.00	7,241.11	6,827.00	6,641.34	41.47	42.47	-85.41	-2,218.29	548.41	2,246.31	2,171.65	74.66	30.086			
7,900.00	7,241.27	6,827.63	6,642.00	42.96	43.96	-85.04	-2,218.01	525.18	2,254.88	2,178.84	76.04	29.655			
8,000.00	7,241.44	6,828.13	6,642.59	44.59	45.59	-84.53	-2,217.88	499.60	2,266.59	2,189.10	77.49	29.249			
8,100.00	7,241.61	6,828.00	6,642.30	46.34	47.34	-83.89	-2,218.02	474.13	2,281.71	2,202.70	79.01	28.879			
8,200.00	7,241.77	6,827.09	6,641.81	48.20	49.20	-83.34	-2,218.18	456.33	2,300.12	2,219.51	80.61	28.534			
8,300.00	7,241.94	6,826.00	6,640.91	50.16	51.16	-82.82	-2,218.20	440.71	2,321.71	2,239.47	82.24	28.231			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,400.00	7,242.11	7,141.81	6,924.56	52.20	35.52	-82.23	-2,218.31	424.91	2,346.68	2,262.81	83.87	27.981			
8,500.00	7,242.27	7,123.25	6,908.82	54.31	35.47	-81.84	-2,218.54	415.08	2,375.20	2,289.69	85.51	27.778			
8,600.00	7,242.44	7,106.36	6,894.25	56.49	35.42	-81.48	-2,218.87	406.54	2,407.15	2,320.04	87.12	27.631			
8,700.00	7,242.60	7,074.00	6,865.74	58.73	35.34	-80.77	-2,219.77	391.27	2,442.65	2,354.01	88.64	27.558			
8,800.00	7,242.77	7,074.00	6,865.74	61.03	35.34	-80.77	-2,219.77	391.27	2,481.03	2,390.83	90.20	27.507 SF			
8,900.00	7,242.94	7,074.00	6,865.74	63.37	35.34	-80.77	-2,219.77	391.27	2,522.79	2,431.11	91.69	27.516			
9,000.00	7,243.10	7,040.20	6,835.18	65.75	35.24	-80.02	-2,220.82	376.89	2,567.25	2,474.22	93.03	27.597			
9,100.00	7,243.27	7,024.23	6,820.49	68.18	35.19	-79.66	-2,221.24	370.64	2,614.62	2,520.29	94.33	27.716			
9,200.00	7,243.44	7,009.96	6,807.23	70.63	35.15	-79.34	-2,221.59	365.37	2,664.69	2,569.12	95.57	27.881			
9,300.00	7,243.60	6,979.00	6,778.09	73.12	35.06	-78.63	-2,222.23	354.94	2,717.51	2,620.82	96.69	28.105			
9,400.00	7,243.77	6,979.00	6,778.09	75.63	35.06	-78.63	-2,222.23	354.94	2,772.48	2,674.66	97.82	28.342			
9,500.00	7,243.94	6,979.00	6,778.09	78.17	35.06	-78.63	-2,222.23	354.94	2,829.91	2,731.04	98.87	28.621			
9,600.00	7,244.10	6,979.00	6,778.09	80.73	35.06	-78.63	-2,222.23	354.94	2,889.66	2,789.81	99.86	28.939			
9,700.00	7,244.27	6,979.00	6,778.09	83.31	35.06	-78.63	-2,222.23	354.94	2,951.60	2,850.83	100.76	29.292			
9,800.00	7,244.44	6,979.00	6,778.09	85.91	35.06	-78.63	-2,222.23	354.94	3,015.57	2,913.97	101.61	29.679			
9,900.00	7,244.60	6,943.24	6,743.86	88.53	34.94	-77.80	-2,222.79	344.63	3,080.68	2,978.36	102.32	30.109			
10,000.00	7,244.77	6,936.72	6,737.56	91.16	34.92	-77.64	-2,222.88	342.95	3,148.03	3,045.00	103.03	30.554			
10,100.00	7,244.94	6,930.67	6,731.69	93.81	34.90	-77.50	-2,222.96	341.46	3,217.04	3,113.35	103.69	31.025			
10,200.00	7,245.10	6,925.04	6,726.23	96.46	34.89	-77.37	-2,223.03	340.11	3,287.60	3,183.30	104.30	31.520			
10,300.00	7,245.27	6,886.00	6,688.03	99.14	34.76	-76.45	-2,223.41	332.11	3,360.37	3,255.59	104.77	32.072			
10,400.00	7,245.43	6,886.00	6,688.03	101.82	34.76	-76.45	-2,223.41	332.11	3,433.56	3,328.24	105.31	32.603			
10,500.00	7,245.60	6,886.00	6,688.03	104.51	34.76	-76.45	-2,223.41	332.11	3,508.07	3,402.26	105.81	33.155			
10,600.00	7,245.77	6,886.00	6,688.03	107.21	34.76	-76.45	-2,223.41	332.11	3,583.83	3,477.56	106.27	33.725			
10,700.00	7,245.93	6,886.00	6,688.03	109.92	34.76	-76.45	-2,223.41	332.11	3,660.75	3,554.06	106.69	34.313			
10,800.00	7,246.10	6,886.00	6,688.03	112.64	34.76	-76.45	-2,223.41	332.11	3,738.76	3,631.68	107.08	34.917			
10,900.00	7,246.27	6,886.00	6,688.03	115.37	34.76	-76.45	-2,223.41	332.11	3,817.79	3,710.36	107.43	35.536			
11,000.00	7,246.43	6,886.00	6,688.03	118.10	34.76	-76.45	-2,223.41	332.11	3,897.79	3,790.03	107.76	36.170			
11,100.00	7,246.60	6,886.00	6,688.03	120.84	34.76	-76.45	-2,223.41	332.11	3,978.70	3,870.63	108.07	36.816			
11,200.00	7,246.77	6,886.00	6,688.03	123.58	34.76	-76.45	-2,223.41	332.11	4,060.45	3,952.10	108.35	37.476			
11,300.00	7,246.93	6,886.00	6,688.03	126.34	34.76	-76.45	-2,223.41	332.11	4,143.01	4,034.40	108.61	38.146			
11,340.34	7,247.00	6,886.00	6,688.03	127.45	34.76	-76.45	-2,223.41	332.11	4,176.53	4,067.82	108.71	38.420			
11,400.00	7,247.10	6,886.00	6,688.03	129.09	34.76	-76.86	-2,223.41	332.11	4,225.99	4,117.14	108.85	38.824			
11,500.00	7,247.27	6,886.00	6,688.03	131.84	34.76	-77.50	-2,223.41	332.11	4,307.95	4,198.88	109.07	39.496			
11,586.15	7,247.43	6,886.00	6,688.03	134.20	34.76	-78.00	-2,223.41	332.11	4,377.60	4,268.35	109.25	40.068			
11,600.00	7,247.45	6,886.00	6,688.03	134.57	34.76	-78.00	-2,223.41	332.11	4,388.74	4,279.46	109.28	40.160			
11,700.00	7,247.64	6,856.30	6,658.72	137.31	34.66	-77.37	-2,223.44	327.27	4,469.27	4,359.85	109.42	40.846			
11,800.00	7,247.82	6,851.70	6,654.18	140.05	34.64	-77.27	-2,223.41	326.59	4,550.76	4,441.17	109.59	41.527			
11,900.00	7,248.00	6,847.35	6,649.87	142.79	34.63	-77.18	-2,223.38	325.96	4,632.96	4,523.22	109.74	42.217			
12,000.00	7,248.18	6,843.21	6,645.78	145.53	34.61	-77.09	-2,223.33	325.38	4,715.84	4,605.96	109.88	42.917			
12,100.00	7,248.37	6,839.28	6,641.88	148.28	34.60	-77.01	-2,223.29	324.84	4,799.36	4,689.34	110.01	43.626			
12,200.00	7,248.55	6,835.54	6,638.18	151.04	34.59	-76.93	-2,223.24	324.33	4,883.49	4,773.35	110.13	44.342			
12,300.00	7,248.73	6,831.98	6,634.64	153.80	34.58	-76.86	-2,223.18	323.87	4,968.19	4,857.95	110.24	45.067			
12,400.00	7,248.91	6,828.58	6,631.27	156.56	34.56	-76.78	-2,223.12	323.43	5,053.45	4,943.11	110.34	45.799			
12,500.00	7,249.10	6,825.33	6,628.05	159.32	34.55	-76.71	-2,223.06	323.02	5,139.23	5,028.80	110.43	46.538			
12,600.00	7,249.28	6,792.00	6,594.94	162.09	34.44	-76.01	-2,222.18	319.36	5,225.85	5,115.42	110.43	47.323			
12,700.00	7,249.46	6,792.00	6,594.94	164.86	34.44	-76.01	-2,222.18	319.36	5,312.54	5,202.02	110.52	48.071			
12,800.00	7,249.64	6,792.00	6,594.94	167.63	34.44	-76.01	-2,222.18	319.36	5,399.69	5,289.10	110.59	48.825			
12,900.00	7,249.83	6,792.00	6,594.94	170.40	34.44	-76.01	-2,222.18	319.36	5,487.28	5,376.61	110.67	49.584			
13,000.00	7,250.01	6,792.00	6,594.94	173.18	34.44	-76.01	-2,222.18	319.36	5,575.28	5,464.55	110.73	50.349			
13,100.00	7,250.19	6,792.00	6,594.94	175.96	34.44	-76.01	-2,222.18	319.36	5,663.69	5,552.90	110.79	51.120			
13,200.00	7,250.37	6,792.00	6,594.94	178.74	34.44	-76.01	-2,222.18	319.36	5,752.47	5,641.62	110.85	51.895			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,300.00	7,250.56	6,792.00	6,594.94	181.52	34.44	-76.01	-2,222.18	319.36	5,841.62	5,730.72	110.90	52.674		
13,400.00	7,250.74	6,792.00	6,594.94	184.31	34.44	-76.01	-2,222.18	319.36	5,931.11	5,820.16	110.95	53.458		
13,500.00	7,250.92	6,792.00	6,594.94	187.09	34.44	-76.01	-2,222.18	319.36	6,020.94	5,909.94	110.99	54.246		
13,600.00	7,251.10	6,792.00	6,594.94	189.88	34.44	-76.01	-2,222.18	319.36	6,111.08	6,000.04	111.03	55.038		
13,700.00	7,251.29	6,792.00	6,594.94	192.67	34.44	-76.01	-2,222.18	319.36	6,201.52	6,090.45	111.07	55.834		
13,800.00	7,251.47	6,792.00	6,594.94	195.47	34.44	-76.01	-2,222.18	319.36	6,292.25	6,181.14	111.11	56.633		
13,900.00	7,251.65	6,792.00	6,594.94	198.26	34.44	-76.01	-2,222.18	319.36	6,383.26	6,272.12	111.14	57.435		
14,000.00	7,251.83	6,792.00	6,594.94	201.05	34.44	-76.01	-2,222.18	319.36	6,474.53	6,363.36	111.17	58.241		
14,100.00	7,252.01	6,792.00	6,594.94	203.85	34.44	-76.01	-2,222.18	319.36	6,566.06	6,454.86	111.20	59.049		
14,200.00	7,252.20	6,792.00	6,594.94	206.65	34.44	-76.01	-2,222.18	319.36	6,657.83	6,546.61	111.22	59.860		
14,300.00	7,252.38	6,792.00	6,594.94	209.45	34.44	-76.01	-2,222.18	319.36	6,749.83	6,638.59	111.25	60.674		
14,400.00	7,252.56	6,792.00	6,594.94	212.25	34.44	-76.01	-2,222.18	319.36	6,842.06	6,730.79	111.27	61.490		
14,500.00	7,252.74	6,792.00	6,594.94	215.05	34.44	-76.01	-2,222.18	319.36	6,934.51	6,823.22	111.29	62.308		
14,600.00	7,252.93	6,792.00	6,594.94	217.86	34.44	-76.01	-2,222.18	319.36	7,027.16	6,915.85	111.32	63.129		
14,700.00	7,253.11	6,792.00	6,594.94	220.66	34.44	-76.01	-2,222.18	319.36	7,120.01	7,008.68	111.34	63.951		
14,800.00	7,253.29	6,792.00	6,594.94	223.47	34.44	-76.01	-2,222.18	319.36	7,213.05	7,101.70	111.35	64.776		
14,900.00	7,253.47	6,792.00	6,594.94	226.27	34.44	-76.01	-2,222.18	319.36	7,306.28	7,194.91	111.37	65.602		
15,000.00	7,253.66	6,792.00	6,594.94	229.08	34.44	-76.01	-2,222.18	319.36	7,399.68	7,288.29	111.39	66.430		
15,100.00	7,253.84	6,792.00	6,594.94	231.89	34.44	-76.01	-2,222.18	319.36	7,493.25	7,381.85	111.41	67.260		
15,200.00	7,254.02	6,792.00	6,594.94	234.70	34.44	-76.01	-2,222.18	319.36	7,586.99	7,475.57	111.42	68.091		
15,300.00	7,254.20	6,792.00	6,594.94	237.51	34.44	-76.01	-2,222.18	319.36	7,680.89	7,569.45	111.44	68.923		
15,400.00	7,254.39	6,792.00	6,594.94	240.32	34.44	-76.01	-2,222.18	319.36	7,774.93	7,663.48	111.46	69.757		
15,500.00	7,254.57	6,792.00	6,594.94	243.13	34.44	-76.01	-2,222.18	319.36	7,869.13	7,757.65	111.47	70.592		
15,600.00	7,254.75	6,792.00	6,594.94	245.94	34.44	-76.01	-2,222.18	319.36	7,963.46	7,851.97	111.49	71.428		
15,700.00	7,254.93	6,792.00	6,594.94	248.76	34.44	-76.01	-2,222.18	319.36	8,057.93	7,946.43	111.50	72.266		
15,800.00	7,255.12	6,792.00	6,594.94	251.57	34.44	-76.01	-2,222.18	319.36	8,152.54	8,041.02	111.52	73.104		
15,900.00	7,255.30	6,792.00	6,594.94	254.39	34.44	-76.01	-2,222.18	319.36	8,247.27	8,135.73	111.54	73.943		
16,000.00	7,255.48	6,792.00	6,594.94	257.20	34.44	-76.01	-2,222.18	319.36	8,342.12	8,230.57	111.55	74.783		
16,100.00	7,255.66	6,792.00	6,594.94	260.02	34.44	-76.01	-2,222.18	319.36	8,437.10	8,325.53	111.57	75.623		
16,200.00	7,255.85	6,792.00	6,594.94	262.84	34.44	-76.01	-2,222.18	319.36	8,532.19	8,420.60	111.58	76.464		
16,300.00	7,256.03	6,792.00	6,594.94	265.65	34.44	-76.01	-2,222.18	319.36	8,627.38	8,515.78	111.60	77.306		
16,400.00	7,256.21	6,792.00	6,594.94	268.47	34.44	-76.01	-2,222.18	319.36	8,722.69	8,611.07	111.62	78.149		
16,500.00	7,256.39	6,792.00	6,594.94	271.29	34.44	-76.01	-2,222.18	319.36	8,818.10	8,706.47	111.63	78.992		
16,600.00	7,256.58	6,792.00	6,594.94	274.11	34.44	-76.01	-2,222.18	319.36	8,913.61	8,801.96	111.65	79.835		
16,700.00	7,256.76	6,792.00	6,594.94	276.93	34.44	-76.01	-2,222.18	319.36	9,009.22	8,897.55	111.67	80.679		
16,800.00	7,256.94	6,792.00	6,594.94	279.75	34.44	-76.01	-2,222.18	319.36	9,104.92	8,993.24	111.69	81.523		
16,900.00	7,257.12	6,792.00	6,594.94	282.57	34.44	-76.01	-2,222.18	319.36	9,200.72	9,089.01	111.70	82.367		
17,000.00	7,257.30	6,792.00	6,594.94	285.40	34.44	-76.01	-2,222.18	319.36	9,296.60	9,184.88	111.72	83.211		
17,100.00	7,257.49	6,792.00	6,594.94	288.22	34.44	-76.01	-2,222.18	319.36	9,392.57	9,280.83	111.74	84.056		
17,200.00	7,257.67	6,792.00	6,594.94	291.04	34.44	-76.01	-2,222.18	319.36	9,488.62	9,376.86	111.76	84.901		
17,300.00	7,257.85	6,792.00	6,594.94	293.87	34.44	-76.01	-2,222.18	319.36	9,584.75	9,472.97	111.78	85.745		
17,400.00	7,258.03	6,792.00	6,594.94	296.69	34.44	-76.01	-2,222.18	319.36	9,680.96	9,569.16	111.80	86.590		
17,500.00	7,258.22	6,792.00	6,594.94	299.51	34.44	-76.01	-2,222.18	319.36	9,777.25	9,665.43	111.82	87.435		
17,600.00	7,258.40	6,792.00	6,594.94	302.34	34.44	-76.01	-2,222.18	319.36	9,873.61	9,761.77	111.84	88.280		
17,700.00	7,258.58	6,792.00	6,594.94	305.16	34.44	-76.01	-2,222.18	319.36	9,970.05	9,858.18	111.87	89.124		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 36C-7-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 436-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	146.65	-767.96	505.32	919.36					
100.00	100.00	86.26	86.26	3.28	3.29	146.68	-768.33	504.99	919.43	912.86	6.57	139.934		
200.00	200.00	183.16	183.14	3.34	3.31	146.79	-769.63	503.83	919.89	913.25	6.64	138.482		
300.00	299.98	279.94	279.87	3.44	3.34	56.35	-771.86	501.85	919.74	912.95	6.78	135.616		
400.00	399.84	376.36	376.21	3.60	3.39	56.89	-775.01	499.04	918.03	911.05	6.98	131.448		
500.00	499.45	465.76	465.45	3.81	3.47	57.66	-778.91	495.66	915.04	907.77	7.26	125.971		
600.00	598.70	545.60	544.95	4.05	3.60	58.63	-784.84	491.52	912.26	904.62	7.65	119.304		
700.00	697.47	631.96	630.69	4.34	3.78	59.98	-793.43	485.80	909.61	901.50	8.11	112.104		
800.00	795.62	710.78	708.76	4.66	3.97	61.42	-802.83	480.30	907.48	898.84	8.64	105.073		
849.22	843.68	747.93	745.48	4.84	4.08	62.16	-807.84	477.77	906.85	897.94	8.91	101.740		
876.93	870.68	768.57	765.86	4.94	4.14	62.58	-810.83	476.34	906.73	897.65	9.07	99.928 CC		
900.00	893.16	785.72	782.76	5.02	4.19	62.93	-813.43	475.13	906.81	897.60	9.21	98.455 ES		
1,000.00	990.60	857.96	853.81	5.41	4.41	64.45	-825.49	470.09	909.29	899.47	9.82	92.556		
1,100.00	1,088.05	929.16	923.59	5.83	4.65	65.93	-839.00	465.85	915.34	904.87	10.47	87.452		
1,200.00	1,185.49	1,000.65	993.42	6.26	4.91	67.36	-853.97	462.87	924.90	913.77	11.13	83.093		
1,300.00	1,282.93	1,079.10	1,069.80	6.70	5.21	68.87	-871.76	460.60	937.49	925.66	11.83	79.225		
1,400.00	1,380.37	1,162.44	1,150.67	7.15	5.55	70.44	-891.77	458.64	952.47	939.90	12.57	75.790		
1,500.00	1,477.82	1,252.09	1,237.49	7.62	5.92	72.10	-914.05	456.45	969.17	955.82	13.35	72.605		
1,600.00	1,575.26	1,337.82	1,320.28	8.09	6.30	73.71	-936.01	453.08	987.23	973.10	14.13	69.868		
1,700.00	1,672.70	1,417.14	1,396.60	8.57	6.67	75.21	-957.31	449.37	1,007.31	992.42	14.89	67.646		
1,800.00	1,770.15	1,496.06	1,472.13	9.05	7.05	76.69	-979.78	445.06	1,029.76	1,014.11	15.66	65.777		
1,900.00	1,867.59	1,584.34	1,556.38	9.54	7.49	78.33	-1,005.60	439.74	1,053.88	1,037.40	16.48	63.942		
2,000.00	1,965.03	1,680.63	1,648.31	10.03	7.97	80.01	-1,033.73	434.51	1,078.95	1,061.58	17.37	62.127		
2,100.00	2,062.48	1,792.17	1,755.28	10.53	8.53	81.80	-1,064.98	429.54	1,103.74	1,085.38	18.36	60.120		
2,200.00	2,159.92	1,903.83	1,862.93	11.03	9.10	83.45	-1,094.33	425.66	1,127.63	1,108.27	19.36	58.242		
2,300.00	2,257.36	2,020.68	1,976.17	11.53	9.67	85.00	-1,123.04	423.36	1,150.53	1,130.13	20.40	56.403		
2,400.00	2,354.81	2,152.63	2,104.88	12.03	10.31	86.67	-1,152.00	420.91	1,171.40	1,149.88	21.53	54.416		
2,500.00	2,452.25	2,262.87	2,212.99	12.54	10.84	88.01	-1,173.44	418.64	1,190.30	1,167.78	22.52	52.856		
2,600.00	2,549.69	2,350.03	2,298.46	13.04	11.26	89.05	-1,190.35	416.62	1,209.71	1,186.33	23.38	51.746		
2,700.00	2,647.13	2,437.39	2,384.01	13.55	11.68	90.07	-1,207.99	414.61	1,230.34	1,206.10	24.24	50.758		
2,800.00	2,744.58	2,529.08	2,473.75	14.06	12.13	91.13	-1,226.60	411.83	1,251.59	1,226.46	25.13	49.802		
2,900.00	2,842.02	2,609.26	2,552.05	14.57	12.52	92.05	-1,243.58	408.82	1,274.19	1,248.25	25.95	49.108		
3,000.00	2,939.46	2,714.01	2,654.35	15.09	13.04	93.23	-1,265.73	404.65	1,297.24	1,270.31	26.93	48.162		
3,100.00	3,036.91	2,803.86	2,742.16	15.60	13.49	94.21	-1,284.37	400.99	1,320.38	1,292.56	27.82	47.462		
3,200.00	3,134.35	2,869.41	2,806.02	16.11	13.82	94.89	-1,298.95	398.59	1,345.29	1,316.76	28.53	47.162		
3,300.00	3,231.79	2,941.65	2,876.06	16.63	14.19	95.59	-1,316.48	396.42	1,372.37	1,343.09	29.27	46.880		
3,400.00	3,329.24	3,074.59	3,004.93	17.14	14.88	96.80	-1,348.91	392.91	1,400.14	1,369.63	30.51	45.893		
3,500.00	3,426.68	3,194.22	3,121.87	17.66	15.48	97.89	-1,373.93	389.48	1,424.54	1,392.92	31.62	45.051		
3,600.00	3,524.12	3,291.74	3,217.16	18.18	15.96	98.73	-1,394.45	386.79	1,449.47	1,416.90	32.57	44.507		
3,700.00	3,621.57	3,413.11	3,336.36	18.69	16.55	99.72	-1,417.21	384.75	1,472.04	1,438.36	33.68	43.704		
3,800.00	3,719.01	3,499.84	3,421.49	19.21	16.98	100.44	-1,433.57	382.19	1,495.47	1,460.92	34.55	43.284		
3,900.00	3,816.45	3,587.08	3,507.06	19.73	17.41	101.12	-1,450.46	380.27	1,519.49	1,484.06	35.42	42.897		
4,000.00	3,913.90	3,668.04	3,586.35	20.25	17.81	101.74	-1,466.72	378.31	1,544.48	1,508.23	36.25	42.610		
4,100.00	4,011.34	3,767.29	3,684.41	20.77	18.31	102.52	-1,487.10	374.48	1,570.51	1,533.30	37.21	42.205		
4,200.00	4,108.78	3,860.45	3,774.76	21.29	18.77	103.22	-1,505.04	371.34	1,595.48	1,557.35	38.13	41.844		
4,300.00	4,206.22	3,918.00	3,830.96	21.81	19.06	103.65	-1,517.19	368.82	1,622.61	1,583.86	38.76	41.866		
4,400.00	4,303.67	3,981.49	3,892.67	22.33	19.39	104.13	-1,531.71	365.32	1,651.93	1,612.51	39.42	41.904		
4,500.00	4,401.11	4,055.89	3,964.71	22.85	19.78	104.68	-1,549.74	360.83	1,682.90	1,642.72	40.18	41.888		
4,600.00	4,498.55	4,139.93	4,045.87	23.37	20.23	105.21	-1,571.28	357.41	1,714.76	1,673.74	41.02	41.801		
4,700.00	4,596.00	4,200.00	4,167.00	23.89	23.18	105.96	-1,602.79	353.12	1,746.15	1,701.81	44.35	39.374		
4,800.00	4,693.44	4,437.63	4,335.43	24.41	21.77	106.96	-1,639.49	348.97	1,773.09	1,729.24	43.85	40.432		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 36C-7-M - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 436-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
4,900.00	4,790.88	4,548.19	4,443.76	24.93	22.32	107.60	-1,661.31	345.82	1,799.72	1,754.81	44.91	40.073		
5,000.00	4,888.33	4,640.32	4,534.24	25.46	22.77	108.14	-1,678.51	343.20	1,825.50	1,779.67	45.82	39.838		
5,100.00	4,985.77	4,712.79	4,605.27	25.98	23.13	108.54	-1,692.68	341.00	1,852.30	1,805.73	46.58	39.768		
5,200.00	5,083.21	4,799.23	4,689.78	26.50	23.57	109.02	-1,710.65	337.95	1,880.49	1,833.04	47.45	39.635		
5,300.00	5,180.66	4,912.01	4,800.23	27.02	24.13	109.59	-1,733.21	335.23	1,907.66	1,859.13	48.53	39.307		
5,400.00	5,278.10	4,983.30	4,869.99	27.55	24.49	109.93	-1,747.87	333.62	1,935.50	1,886.23	49.27	39.281		
5,500.00	5,375.54	5,052.00	4,936.95	28.07	24.85	110.26	-1,763.05	331.53	1,965.00	1,915.02	49.99	39.310		
5,582.90	5,456.32	5,119.12	5,002.26	28.50	25.19	110.58	-1,778.32	328.97	1,990.31	1,939.64	50.67	39.283		
5,600.00	5,473.00	5,135.78	5,018.48	28.59	25.28	110.76	-1,782.07	328.26	1,995.52	1,944.69	50.83	39.257		
5,700.00	5,570.93	5,511.01	5,388.57	29.10	27.06	112.85	-1,840.52	318.30	2,018.37	1,964.63	53.74	37.559		
5,800.00	5,669.52	5,672.36	5,549.55	29.57	27.74	113.78	-1,850.73	315.16	2,031.46	1,976.55	54.91	36.997		
5,900.00	5,768.62	5,820.65	5,697.70	30.03	28.34	114.47	-1,856.47	312.21	2,041.41	1,985.46	55.95	36.486		
6,000.00	5,868.13	5,944.93	5,821.95	30.45	28.82	114.87	-1,858.83	312.02	2,047.18	1,990.32	56.86	36.003		
6,100.00	5,967.93	6,038.88	5,915.86	30.86	29.19	115.05	-1,861.51	312.88	2,052.02	1,994.37	57.65	35.592		
6,200.00	6,067.88	6,144.88	6,021.82	31.24	29.61	115.13	-1,864.02	314.09	2,054.86	1,996.39	58.47	35.144		
6,232.12	6,100.00	6,173.84	6,050.77	31.36	29.72	-154.16	-1,864.72	314.35	2,055.51	1,996.80	58.71	35.012		
6,300.00	6,167.88	6,244.64	6,121.55	31.61	30.00	-154.20	-1,866.45	314.96	2,056.75	1,997.51	59.24	34.719		
6,400.00	6,267.88	6,347.22	6,224.11	31.97	30.41	-154.25	-1,868.69	315.78	2,058.37	1,998.35	60.02	34.295		
6,500.00	6,367.88	6,824.35	6,691.84	32.34	32.12	-155.94	-1,869.46	382.09	2,058.32	1,997.46	60.86	33.820		
6,600.00	6,467.88	7,794.00	7,216.97	32.70	36.74	-177.07	-1,888.04	1,114.24	2,023.66	1,961.17	62.48	32.387		
6,700.00	6,567.88	7,794.00	7,216.97	33.07	36.74	-177.07	-1,888.04	1,114.24	1,988.26	1,924.10	64.16	30.991		
6,736.50	6,604.38	7,794.00	7,216.97	33.21	36.74	-177.07	-1,888.04	1,114.24	1,976.44	1,911.69	64.75	30.524		
6,750.00	6,617.88	7,794.00	7,216.97	33.25	36.74	-90.38	-1,888.04	1,114.24	1,972.22	1,907.26	64.96	30.359		
6,800.00	6,667.77	7,794.00	7,216.97	33.43	36.74	-91.78	-1,888.04	1,114.24	1,957.36	1,891.63	65.73	29.777		
6,850.00	6,717.28	7,770.49	7,216.72	33.60	36.43	-92.34	-1,886.55	1,090.78	1,943.47	1,877.27	66.20	29.357		
6,900.00	6,766.09	7,766.06	7,216.66	33.79	36.38	-93.35	-1,886.31	1,086.35	1,931.16	1,864.30	66.86	28.884		
6,950.00	6,813.90	7,760.00	7,216.58	33.99	36.30	-94.18	-1,886.01	1,080.30	1,920.27	1,852.81	67.47	28.463		
7,000.00	6,860.42	7,752.35	7,216.48	34.20	36.20	-94.82	-1,885.67	1,072.66	1,910.85	1,842.82	68.02	28.091		
7,050.00	6,905.36	7,743.18	7,216.34	34.42	36.08	-95.29	-1,885.32	1,063.50	1,902.93	1,834.40	68.54	27.766		
7,100.00	6,948.45	7,732.55	7,216.17	34.67	35.95	-95.58	-1,884.99	1,052.87	1,896.54	1,827.54	69.00	27.485		
7,150.00	6,989.41	7,699.00	7,215.54	34.94	35.52	-95.19	-1,884.47	1,019.33	1,891.96	1,822.80	69.16	27.356		
7,200.00	7,028.00	7,699.00	7,215.54	35.24	35.52	-95.52	-1,884.47	1,019.33	1,888.35	1,818.63	69.72	27.085		
7,250.00	7,063.98	7,657.00	7,213.04	35.56	35.06	-94.75	-1,884.17	977.42	1,886.27	1,816.46	69.81	27.019		
7,300.00	7,097.13	7,584.36	7,201.08	35.92	34.35	-93.18	-1,882.90	905.83	1,884.58	1,814.96	69.62	27.069		
7,350.00	7,127.23	7,534.24	7,188.28	36.32	34.01	-92.08	-1,881.58	857.41	1,883.50	1,813.78	69.72	27.017		
7,395.53	7,151.85	7,500.16	7,177.69	36.71	33.87	-91.30	-1,880.52	825.03	1,883.12	1,813.20	69.92	26.931		
7,400.00	7,154.12	7,498.08	7,176.99	36.75	33.86	-91.25	-1,880.45	823.07	1,883.13	1,813.17	69.96	26.919		
7,450.00	7,177.61	7,474.92	7,168.69	37.22	33.79	-90.67	-1,879.83	801.46	1,883.72	1,813.37	70.34	26.779		
7,500.00	7,197.57	7,451.89	7,159.54	37.73	33.73	-90.02	-1,879.35	780.33	1,885.27	1,814.53	70.74	26.649		
7,550.00	7,213.88	7,428.97	7,149.57	38.28	33.68	-89.31	-1,879.01	759.69	1,887.72	1,816.56	71.16	26.527		
7,600.00	7,226.42	7,404.66	7,138.09	38.87	33.63	-88.51	-1,878.79	738.28	1,891.01	1,819.41	71.60	26.411		
7,650.00	7,235.13	7,378.35	7,124.60	39.48	33.57	-87.63	-1,878.66	715.69	1,894.99	1,822.93	72.06	26.297		
7,700.00	7,239.95	7,352.42	7,110.26	40.12	33.52	-86.72	-1,878.62	694.09	1,899.60	1,827.06	72.53	26.189		
7,735.44	7,241.00	7,334.24	7,099.61	40.59	33.48	-86.06	-1,878.65	679.36	1,903.20	1,830.33	72.87	26.117		
7,800.00	7,241.11	7,290.39	7,072.04	41.47	33.39	-85.23	-1,878.75	645.27	1,910.56	1,837.07	73.49	25.999		
7,900.00	7,241.27	7,219.64	7,022.79	42.96	33.23	-83.76	-1,878.19	594.53	1,923.81	1,849.29	74.52	25.817		
8,000.00	7,241.44	7,161.83	6,979.38	44.59	33.08	-82.46	-1,877.23	556.37	1,939.89	1,864.17	75.72	25.620		
8,100.00	7,241.61	7,111.76	6,940.15	46.34	32.95	-81.30	-1,876.19	525.28	1,959.18	1,882.18	77.00	25.444		
8,200.00	7,241.77	7,069.23	6,905.60	48.20	32.84	-80.28	-1,875.16	500.51	1,981.93	1,903.58	78.35	25.297		
8,300.00	7,241.94	7,031.01	6,873.62	50.16	32.73	-79.34	-1,874.13	479.63	2,008.29	1,928.58	79.71	25.196		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 36C-7-M - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 436-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
8,400.00	7,242.11	6,985.96	6,835.26	52.20	32.60	-78.22	-1,872.82	456.04	2,038.12	1,957.11	81.01	25.158	SF				
8,500.00	7,242.27	6,943.32	6,798.59	54.31	32.48	-77.16	-1,871.51	434.32	2,071.26	1,988.97	82.29	25.171					
8,600.00	7,242.44	6,939.00	6,794.85	56.49	32.47	-77.05	-1,871.37	432.15	2,108.03	2,024.29	83.73	25.175					
8,700.00	7,242.60	6,903.89	6,764.09	58.73	32.36	-76.17	-1,870.41	415.25	2,148.04	2,063.09	84.95	25.287					
8,800.00	7,242.77	6,887.53	6,749.51	61.03	32.31	-75.76	-1,870.08	407.85	2,191.70	2,105.51	86.19	25.429					
8,900.00	7,242.94	6,846.00	6,711.81	63.37	32.19	-74.69	-1,869.55	390.45	2,239.13	2,151.92	87.21	25.675					
9,000.00	7,243.10	6,846.00	6,711.81	65.75	32.19	-74.69	-1,869.55	390.45	2,288.89	2,200.50	88.39	25.895					
9,100.00	7,243.27	6,846.00	6,711.81	68.18	32.19	-74.69	-1,869.55	390.45	2,341.86	2,252.38	89.48	26.172					
9,200.00	7,243.44	6,846.00	6,711.81	70.63	32.19	-74.69	-1,869.55	390.45	2,397.84	2,307.36	90.48	26.501					
9,300.00	7,243.60	6,817.64	6,685.62	73.12	32.10	-73.96	-1,869.46	379.57	2,456.15	2,364.87	91.28	26.907					
9,400.00	7,243.77	6,804.83	6,673.71	75.63	32.06	-73.63	-1,869.49	374.87	2,517.01	2,424.93	92.08	27.335					
9,500.00	7,243.94	6,792.73	6,662.40	78.17	32.02	-73.32	-1,869.55	370.55	2,580.14	2,487.32	92.81	27.799					
9,600.00	7,244.10	6,781.28	6,651.67	80.73	31.98	-73.02	-1,869.65	366.57	2,645.38	2,551.90	93.49	28.297					
9,700.00	7,244.27	6,752.00	6,624.04	83.31	31.89	-72.27	-1,870.07	356.89	2,712.80	2,618.77	94.03	28.850					
9,800.00	7,244.44	6,752.00	6,624.04	85.91	31.89	-72.27	-1,870.07	356.89	2,781.72	2,687.08	94.63	29.395					
9,900.00	7,244.60	6,752.00	6,624.04	88.53	31.89	-72.27	-1,870.07	356.89	2,852.47	2,757.29	95.18	29.970					
10,000.00	7,244.77	6,752.00	6,624.04	91.16	31.89	-72.27	-1,870.07	356.89	2,924.93	2,829.26	95.67	30.572					
10,100.00	7,244.94	6,752.00	6,624.04	93.81	31.89	-72.27	-1,870.07	356.89	2,998.97	2,902.85	96.12	31.201					
10,200.00	7,245.10	6,715.80	6,589.55	96.46	31.77	-71.34	-1,870.63	345.91	3,073.90	2,977.47	96.43	31.878					
10,300.00	7,245.27	6,705.79	6,579.95	99.14	31.73	-71.08	-1,870.75	343.07	3,150.40	3,053.63	96.77	32.555					
10,400.00	7,245.43	6,696.36	6,570.89	101.82	31.70	-70.84	-1,870.85	340.47	3,228.10	3,131.02	97.09	33.250					
10,500.00	7,245.60	6,687.46	6,562.31	104.51	31.67	-70.61	-1,870.93	338.09	3,306.93	3,209.56	97.37	33.962					
10,600.00	7,245.77	6,657.00	6,532.82	107.21	31.57	-69.83	-1,871.11	330.46	3,387.03	3,289.47	97.57	34.715					
10,700.00	7,245.93	6,657.00	6,532.82	109.92	31.57	-69.83	-1,871.11	330.46	3,467.76	3,369.94	97.83	35.448					
10,800.00	7,246.10	6,657.00	6,532.82	112.64	31.57	-69.83	-1,871.11	330.46	3,549.48	3,451.41	98.06	36.195					
10,900.00	7,246.27	6,657.00	6,532.82	115.37	31.57	-69.83	-1,871.11	330.46	3,632.11	3,533.83	98.28	36.957					
11,000.00	7,246.43	6,657.00	6,532.82	118.10	31.57	-69.83	-1,871.11	330.46	3,715.59	3,617.11	98.47	37.732					
11,100.00	7,246.60	6,657.00	6,532.82	120.84	31.57	-69.83	-1,871.11	330.46	3,799.87	3,701.22	98.65	38.520					
11,200.00	7,246.77	6,657.00	6,532.82	123.58	31.57	-69.83	-1,871.11	330.46	3,884.89	3,786.08	98.81	39.318					
11,300.00	7,246.93	6,657.00	6,532.82	126.34	31.57	-69.83	-1,871.11	330.46	3,970.61	3,871.66	98.95	40.127					
11,340.34	7,247.00	6,657.00	6,532.82	127.45	31.57	-69.83	-1,871.11	330.46	4,005.38	3,906.38	99.00	40.457					
11,400.00	7,247.10	6,657.00	6,532.82	129.09	31.57	-70.51	-1,871.11	330.46	4,056.70	3,957.62	99.08	40.944					
11,500.00	7,247.27	6,657.00	6,532.82	131.84	31.57	-71.57	-1,871.11	330.46	4,141.87	4,042.68	99.19	41.755					
11,586.15	7,247.43	6,657.00	6,532.82	134.20	31.57	-72.40	-1,871.11	330.46	4,214.39	4,115.11	99.28	42.449					
11,600.00	7,247.45	6,657.00	6,532.82	134.57	31.57	-72.40	-1,871.11	330.46	4,225.99	4,126.70	99.29	42.561					
11,700.00	7,247.64	6,657.00	6,532.82	137.31	31.57	-72.40	-1,871.11	330.46	4,310.14	4,210.75	99.38	43.369					
11,800.00	7,247.82	6,657.00	6,532.82	140.05	31.57	-72.40	-1,871.11	330.46	4,394.95	4,295.49	99.46	44.188					
11,900.00	7,248.00	6,657.00	6,532.82	142.79	31.57	-72.40	-1,871.11	330.46	4,480.38	4,380.85	99.53	45.016					
12,000.00	7,248.18	6,657.00	6,532.82	145.53	31.57	-72.40	-1,871.11	330.46	4,566.41	4,466.82	99.59	45.852					
12,100.00	7,248.37	6,657.00	6,532.82	148.28	31.57	-72.40	-1,871.11	330.46	4,653.00	4,553.35	99.64	46.696					
12,200.00	7,248.55	6,657.00	6,532.82	151.04	31.57	-72.40	-1,871.11	330.46	4,740.11	4,640.42	99.69	47.548					
12,300.00	7,248.73	6,657.00	6,532.82	153.80	31.57	-72.40	-1,871.11	330.46	4,827.73	4,727.99	99.73	48.406					
12,400.00	7,248.91	6,657.00	6,532.82	156.56	31.57	-72.40	-1,871.11	330.46	4,915.81	4,816.05	99.77	49.272					
12,500.00	7,249.10	6,657.00	6,532.82	159.32	31.57	-72.40	-1,871.11	330.46	5,004.35	4,904.55	99.80	50.143					
12,600.00	7,249.28	6,657.00	6,532.82	162.09	31.57	-72.40	-1,871.11	330.46	5,093.31	4,993.48	99.83	51.020					
12,700.00	7,249.46	6,657.00	6,532.82	164.86	31.57	-72.40	-1,871.11	330.46	5,182.67	5,082.82	99.85	51.903					
12,800.00	7,249.64	6,657.00	6,532.82	167.63	31.57	-72.40	-1,871.11	330.46	5,272.41	5,172.54	99.87	52.791					
12,900.00	7,249.83	6,657.00	6,532.82	170.40	31.57	-72.40	-1,871.11	330.46	5,362.52	5,262.63	99.89	53.683					
13,000.00	7,250.01	6,657.00	6,532.82	173.18	31.57	-72.40	-1,871.11	330.46	5,452.97	5,353.07	99.91	54.581					
13,100.00	7,250.19	6,657.00	6,532.82	175.96	31.57	-72.40	-1,871.11	330.46	5,543.75	5,443.83	99.92	55.482					
13,200.00	7,250.37	6,613.75	6,490.38	178.74	31.42	-71.40	-1,871.20	322.24	5,632.76	5,532.88	99.88	56.395					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 36C-7-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,300.00	7,250.56	6,612.65	6,489.29	181.52	31.41	-71.38	-1,871.20	322.09	5,724.04	5,624.15	99.89	57.304		
13,400.00	7,250.74	6,611.59	6,488.24	184.31	31.41	-71.35	-1,871.20	321.94	5,815.60	5,715.70	99.90	58.216		
13,500.00	7,250.92	6,610.56	6,487.22	187.09	31.40	-71.33	-1,871.20	321.80	5,907.43	5,807.53	99.90	59.131		
13,600.00	7,251.10	6,609.57	6,486.24	189.88	31.40	-71.30	-1,871.20	321.67	5,999.53	5,899.62	99.91	60.049		
13,700.00	7,251.29	6,608.61	6,485.28	192.67	31.40	-71.28	-1,871.20	321.54	6,091.87	5,991.95	99.91	60.971		
13,800.00	7,251.47	6,607.67	6,484.36	195.47	31.39	-71.26	-1,871.20	321.42	6,184.45	6,084.53	99.92	61.894		
13,900.00	7,251.65	6,606.77	6,483.47	198.26	31.39	-71.24	-1,871.20	321.30	6,277.25	6,177.32	99.92	62.821		
14,000.00	7,251.83	6,563.00	6,439.85	201.05	31.24	-70.22	-1,871.16	317.85	6,372.34	6,272.49	99.84	63.824		
14,100.00	7,252.01	6,563.00	6,439.85	203.85	31.24	-70.22	-1,871.16	317.85	6,465.48	6,365.63	99.85	64.753		
14,200.00	7,252.20	6,563.00	6,439.85	206.65	31.24	-70.22	-1,871.16	317.85	6,558.83	6,458.98	99.85	65.684		
14,300.00	7,252.38	6,563.00	6,439.85	209.45	31.24	-70.22	-1,871.16	317.85	6,652.37	6,552.51	99.86	66.617		
14,400.00	7,252.56	6,563.00	6,439.85	212.25	31.24	-70.22	-1,871.16	317.85	6,746.10	6,646.23	99.87	67.552		
14,500.00	7,252.74	6,563.00	6,439.85	215.05	31.24	-70.22	-1,871.16	317.85	6,840.00	6,740.13	99.87	68.489		
14,600.00	7,252.93	6,563.00	6,439.85	217.86	31.24	-70.22	-1,871.16	317.85	6,934.08	6,834.20	99.88	69.427		
14,700.00	7,253.11	6,563.00	6,439.85	220.66	31.24	-70.22	-1,871.16	317.85	7,028.32	6,928.43	99.88	70.366		
14,800.00	7,253.29	6,563.00	6,439.85	223.47	31.24	-70.22	-1,871.16	317.85	7,122.71	7,022.82	99.89	71.307		
14,900.00	7,253.47	6,563.00	6,439.85	226.27	31.24	-70.22	-1,871.16	317.85	7,217.26	7,117.36	99.89	72.249		
15,000.00	7,253.66	6,563.00	6,439.85	229.08	31.24	-70.22	-1,871.16	317.85	7,311.95	7,212.05	99.90	73.193		
15,100.00	7,253.84	6,563.00	6,439.85	231.89	31.24	-70.22	-1,871.16	317.85	7,406.78	7,306.87	99.91	74.137		
15,200.00	7,254.02	6,563.00	6,439.85	234.70	31.24	-70.22	-1,871.16	317.85	7,501.74	7,401.83	99.91	75.082		
15,300.00	7,254.20	6,563.00	6,439.85	237.51	31.24	-70.22	-1,871.16	317.85	7,596.84	7,496.92	99.92	76.028		
15,400.00	7,254.39	6,563.00	6,439.85	240.32	31.24	-70.22	-1,871.16	317.85	7,692.06	7,592.13	99.93	76.974		
15,500.00	7,254.57	6,563.00	6,439.85	243.13	31.24	-70.22	-1,871.16	317.85	7,787.40	7,687.46	99.94	77.921		
15,600.00	7,254.75	6,563.00	6,439.85	245.94	31.24	-70.22	-1,871.16	317.85	7,882.85	7,782.90	99.95	78.869		
15,700.00	7,254.93	6,563.00	6,439.85	248.76	31.24	-70.22	-1,871.16	317.85	7,978.42	7,878.46	99.96	79.817		
15,800.00	7,255.12	6,563.00	6,439.85	251.57	31.24	-70.22	-1,871.16	317.85	8,074.09	7,974.12	99.97	80.766		
15,900.00	7,255.30	6,563.00	6,439.85	254.39	31.24	-70.22	-1,871.16	317.85	8,169.87	8,069.89	99.98	81.715		
16,000.00	7,255.48	6,563.00	6,439.85	257.20	31.24	-70.22	-1,871.16	317.85	8,265.74	8,165.75	99.99	82.664		
16,100.00	7,255.66	6,563.00	6,439.85	260.02	31.24	-70.22	-1,871.16	317.85	8,361.72	8,261.71	100.00	83.613		
16,200.00	7,255.85	6,563.00	6,439.85	262.84	31.24	-70.22	-1,871.16	317.85	8,457.78	8,357.77	100.02	84.562		
16,300.00	7,256.03	6,563.00	6,439.85	265.65	31.24	-70.22	-1,871.16	317.85	8,553.94	8,453.91	100.03	85.512		
16,400.00	7,256.21	6,563.00	6,439.85	268.47	31.24	-70.22	-1,871.16	317.85	8,650.18	8,550.14	100.05	86.461		
16,500.00	7,256.39	6,563.00	6,439.85	271.29	31.24	-70.22	-1,871.16	317.85	8,746.51	8,646.45	100.06	87.410		
16,600.00	7,256.58	6,563.00	6,439.85	274.11	31.24	-70.22	-1,871.16	317.85	8,842.92	8,742.84	100.08	88.360		
16,700.00	7,256.76	6,563.00	6,439.85	276.93	31.24	-70.22	-1,871.16	317.85	8,939.41	8,839.31	100.10	89.309		
16,800.00	7,256.94	6,563.00	6,439.85	279.75	31.24	-70.22	-1,871.16	317.85	9,035.98	8,935.86	100.11	90.257		
16,900.00	7,257.12	6,563.00	6,439.85	282.57	31.24	-70.22	-1,871.16	317.85	9,132.61	9,032.48	100.13	91.206		
17,000.00	7,257.30	6,563.00	6,439.85	285.40	31.24	-70.22	-1,871.16	317.85	9,229.32	9,129.17	100.15	92.154		
17,100.00	7,257.49	6,563.00	6,439.85	288.22	31.24	-70.22	-1,871.16	317.85	9,326.10	9,225.93	100.17	93.101		
17,200.00	7,257.67	6,563.00	6,439.85	291.04	31.24	-70.22	-1,871.16	317.85	9,422.95	9,322.76	100.19	94.048		
17,300.00	7,257.85	6,563.00	6,439.85	293.87	31.24	-70.22	-1,871.16	317.85	9,519.86	9,419.65	100.21	94.995		
17,400.00	7,258.03	6,563.00	6,439.85	296.69	31.24	-70.22	-1,871.16	317.85	9,616.84	9,516.60	100.24	95.941		
17,500.00	7,258.22	6,563.00	6,439.85	299.51	31.24	-70.22	-1,871.16	317.85	9,713.88	9,613.62	100.26	96.887		
17,600.00	7,258.40	6,563.00	6,439.85	302.34	31.24	-70.22	-1,871.16	317.85	9,810.97	9,710.69	100.28	97.832		
17,700.00	7,258.58	6,563.00	6,439.85	305.16	31.24	-70.22	-1,871.16	317.85	9,908.13	9,807.82	100.31	98.776		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 249-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	145.96	-747.92	505.32	902.69					
100.00	100.00	90.93	90.93	3.28	3.29	145.94	-747.67	505.51	902.53	895.96	6.57	137.355		
200.00	200.00	193.08	193.07	3.34	3.31	145.87	-746.81	506.17	902.20	895.55	6.64	135.784		
300.00	299.98	290.93	290.91	3.44	3.36	55.17	-745.51	507.29	900.74	893.93	6.80	132.408		
400.00	399.84	383.57	383.52	3.60	3.47	55.34	-744.56	508.99	897.94	890.87	7.07	127.034		
500.00	499.45	476.73	476.66	3.81	3.62	55.70	-744.16	511.22	893.97	886.55	7.42	120.419		
600.00	598.70	569.48	569.39	4.05	3.81	56.35	-745.06	512.67	888.79	880.94	7.85	113.158		
700.00	697.47	658.09	657.97	4.34	4.01	57.25	-747.41	513.18	882.73	874.38	8.34	105.814		
800.00	795.62	740.38	740.14	4.66	4.22	58.40	-751.63	512.66	876.54	867.66	8.88	98.749		
849.22	843.68	778.22	777.87	4.84	4.33	59.03	-754.47	512.07	873.74	864.59	9.15	95.453		
900.00	893.16	817.29	816.77	5.02	4.44	59.69	-758.06	511.21	871.38	861.93	9.45	92.202		
1,000.00	990.60	896.98	895.86	5.41	4.68	61.17	-767.37	508.30	868.78	858.70	10.08	86.222		
1,035.02	1,024.73	922.55	921.14	5.56	4.76	61.68	-770.92	507.02	868.55	858.25	10.30	84.335 CC, ES		
1,100.00	1,088.05	968.33	966.29	5.83	4.91	62.63	-778.10	504.50	869.35	858.64	10.72	81.123		
1,200.00	1,185.49	1,049.20	1,045.63	6.26	5.19	64.39	-792.86	499.43	873.45	862.04	11.41	76.548		
1,300.00	1,282.93	1,138.08	1,132.67	6.70	5.51	66.35	-809.87	493.61	879.54	867.39	12.15	72.376		
1,400.00	1,380.37	1,224.12	1,216.93	7.15	5.84	68.18	-826.63	488.81	887.52	874.61	12.91	68.736		
1,500.00	1,477.82	1,306.92	1,297.81	7.62	6.18	69.92	-843.77	484.34	897.83	884.15	13.67	65.667		
1,600.00	1,575.26	1,393.00	1,381.65	8.09	6.54	71.73	-862.64	479.37	910.33	895.87	14.46	62.957		
1,700.00	1,672.70	1,486.19	1,472.29	8.57	6.94	73.68	-883.47	473.56	924.32	909.03	15.29	60.437		
1,800.00	1,770.15	1,574.96	1,558.49	9.05	7.34	75.53	-903.75	467.24	939.76	923.64	16.12	58.308		
1,900.00	1,867.59	1,669.15	1,650.00	9.54	7.77	77.39	-925.29	461.37	956.50	939.52	16.98	56.334		
2,000.00	1,965.03	1,762.96	1,741.27	10.03	8.20	79.10	-946.50	456.96	974.18	956.33	17.85	54.588		
2,100.00	2,062.48	1,858.52	1,834.31	10.53	8.65	80.74	-967.97	453.34	992.70	973.97	18.73	52.998		
2,200.00	2,159.92	1,965.04	1,938.28	11.03	9.15	82.43	-990.93	450.33	1,011.19	991.50	19.69	51.353		
2,300.00	2,257.36	2,061.07	2,031.98	11.53	9.60	84.03	-1,011.28	445.24	1,029.95	1,009.35	20.59	50.018		
2,400.00	2,354.81	2,169.52	2,137.94	12.03	10.12	85.80	-1,033.55	438.95	1,048.87	1,027.29	21.58	48.609		
2,500.00	2,452.25	2,282.99	2,249.26	12.54	10.65	87.54	-1,054.74	433.11	1,066.71	1,044.11	22.60	47.205		
2,600.00	2,549.69	2,378.25	2,342.90	13.04	11.10	88.94	-1,071.62	428.47	1,084.34	1,060.84	23.50	46.135		
2,700.00	2,647.13	2,496.66	2,459.40	13.55	11.66	90.61	-1,092.02	423.05	1,102.22	1,077.67	24.56	44.882		
2,800.00	2,744.58	2,571.89	2,533.54	14.06	12.01	91.62	-1,104.42	419.92	1,119.90	1,094.56	25.34	44.196		
2,900.00	2,842.02	2,679.52	2,639.41	14.57	12.52	93.00	-1,123.33	415.75	1,139.18	1,112.85	26.33	43.260		
3,000.00	2,939.46	2,754.74	2,713.47	15.09	12.88	93.95	-1,136.14	412.79	1,158.47	1,131.36	27.11	42.732		
3,100.00	3,036.91	2,843.98	2,801.01	15.60	13.30	95.08	-1,152.86	408.19	1,179.97	1,151.99	27.98	42.169		
3,200.00	3,134.35	2,944.45	2,899.69	16.11	13.79	96.30	-1,171.10	403.26	1,201.40	1,172.46	28.94	41.518		
3,300.00	3,231.79	3,089.40	3,042.48	16.63	14.48	97.98	-1,195.08	396.80	1,221.94	1,191.74	30.20	40.464		
3,400.00	3,329.24	3,143.70	3,095.98	17.14	14.74	98.58	-1,204.08	394.50	1,242.33	1,211.50	30.83	40.294		
3,500.00	3,426.68	3,217.04	3,167.99	17.66	15.09	99.36	-1,217.60	391.46	1,265.18	1,233.60	31.58	40.059		
3,600.00	3,524.12	3,342.65	3,291.27	18.18	15.70	100.58	-1,241.45	387.85	1,288.90	1,256.16	32.74	39.369		
3,700.00	3,621.57	3,434.19	3,381.44	18.69	16.14	101.44	-1,257.02	385.44	1,310.81	1,277.17	33.63	38.975		
3,800.00	3,719.01	3,519.91	3,465.78	19.21	16.55	102.23	-1,272.13	382.77	1,333.70	1,299.22	34.48	38.680		
3,900.00	3,816.45	3,606.96	3,551.31	19.73	16.98	103.01	-1,288.00	379.84	1,357.53	1,322.19	35.34	38.415		
4,000.00	3,913.90	3,707.08	3,649.66	20.25	17.46	103.90	-1,306.35	376.03	1,381.88	1,345.58	36.30	38.066		
4,100.00	4,011.34	3,795.89	3,736.95	20.77	17.90	104.69	-1,322.26	372.08	1,406.31	1,369.13	37.17	37.831		
4,200.00	4,108.78	3,862.88	3,802.66	21.29	18.23	105.26	-1,334.96	369.08	1,432.07	1,394.21	37.86	37.827		
4,300.00	4,206.22	3,922.38	3,860.71	21.81	18.52	105.75	-1,347.65	366.04	1,460.35	1,421.89	38.46	37.972		
4,400.00	4,303.67	3,995.44	3,931.67	22.33	18.90	106.32	-1,364.58	362.23	1,490.60	1,451.43	39.18	38.047		
4,500.00	4,401.11	4,096.06	4,029.27	22.85	19.42	107.09	-1,388.42	356.62	1,521.67	1,481.50	40.17	37.881		
4,600.00	4,498.55	4,205.66	4,135.82	23.37	19.98	107.93	-1,413.11	349.66	1,552.20	1,510.95	41.25	37.633		
4,700.00	4,596.00	4,389.37	4,316.03	23.89	20.89	109.37	-1,446.74	338.10	1,578.68	1,535.73	42.95	36.756		
4,800.00	4,693.44	4,487.82	4,413.05	24.41	21.36	110.11	-1,462.60	332.84	1,603.59	1,559.69	43.90	36.531		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,790.88	4,566.57	4,490.58	24.93	21.74	110.65	-1,475.94	329.31	1,629.11	1,584.42	44.69	36.457		
5,000.00	4,888.33	4,668.17	4,590.52	25.46	22.24	111.29	-1,493.82	325.42	1,655.17	1,609.50	45.67	36.245		
5,100.00	4,985.77	4,777.23	4,697.96	25.98	22.77	112.02	-1,511.69	319.97	1,680.81	1,634.11	46.70	35.990		
5,200.00	5,083.21	4,920.45	4,839.58	26.50	23.44	113.02	-1,531.49	312.05	1,704.55	1,656.57	47.99	35.522		
5,300.00	5,180.66	5,060.14	4,978.17	27.02	24.08	114.02	-1,547.09	304.29	1,726.38	1,677.18	49.20	35.087		
5,400.00	5,278.10	5,175.26	5,092.61	27.55	24.59	114.80	-1,558.44	299.03	1,746.90	1,696.66	50.24	34.773		
5,500.00	5,375.54	5,417.08	5,333.92	28.07	25.60	116.53	-1,569.08	289.68	1,762.37	1,710.52	51.85	33.988		
5,582.90	5,456.32	5,500.78	5,417.60	28.50	25.92	117.14	-1,569.34	287.49	1,772.24	1,719.64	52.60	33.693		
5,600.00	5,473.00	5,517.03	5,433.84	28.59	25.99	117.29	-1,569.43	287.12	1,774.28	1,721.53	52.75	33.636		
5,700.00	5,570.93	5,633.60	5,550.38	29.10	26.43	118.22	-1,569.41	284.78	1,784.78	1,731.10	53.68	33.246		
5,800.00	5,669.52	5,729.81	5,646.57	29.57	26.79	118.89	-1,569.07	282.59	1,793.69	1,739.17	54.52	32.898		
5,900.00	5,768.62	5,864.19	5,780.92	30.03	27.29	119.57	-1,567.21	280.98	1,799.54	1,744.09	55.45	32.452		
6,000.00	5,868.13	5,963.57	5,880.30	30.45	27.64	119.90	-1,566.03	281.70	1,803.05	1,746.80	56.25	32.054		
6,100.00	5,967.93	6,058.18	5,974.90	30.86	27.98	120.10	-1,565.14	282.31	1,805.09	1,748.07	57.02	31.658		
6,200.00	6,067.88	6,155.06	6,071.77	31.24	28.33	120.20	-1,564.14	282.31	1,805.64	1,747.86	57.78	31.252		
6,232.12	6,100.00	6,186.84	6,103.55	31.36	28.45	-149.07	-1,563.71	282.10	1,805.47	1,747.45	58.02	31.120		
6,300.00	6,167.88	7,676.67	7,061.86	31.61	36.62	-176.02	-1,548.16	1,103.42	1,783.51	1,726.22	57.29	31.129		
6,400.00	6,267.88	7,678.05	7,061.90	31.97	36.64	-176.08	-1,548.23	1,104.80	1,734.91	1,675.57	59.34	29.237		
6,500.00	6,367.88	7,679.55	7,061.94	32.34	36.66	-176.13	-1,548.31	1,106.30	1,690.83	1,629.47	61.36	27.557		
6,600.00	6,467.88	7,681.18	7,061.99	32.70	36.69	-176.19	-1,548.40	1,107.93	1,651.63	1,588.32	63.31	26.087		
6,700.00	6,567.88	7,682.96	7,062.04	33.07	36.71	-176.26	-1,548.50	1,109.70	1,617.67	1,552.50	65.17	24.822		
6,736.50	6,604.38	7,683.65	7,062.06	33.21	36.72	-176.28	-1,548.53	1,110.39	1,606.65	1,540.83	65.82	24.410		
6,750.00	6,617.88	7,683.83	7,062.07	33.25	36.73	-89.56	-1,548.54	1,110.57	1,602.76	1,536.71	66.05	24.266		
6,800.00	6,667.77	7,682.96	7,062.04	33.43	36.71	-90.79	-1,548.50	1,109.70	1,589.27	1,522.42	66.85	23.773		
6,850.00	6,717.28	7,679.58	7,061.94	33.60	36.66	-91.77	-1,548.31	1,106.33	1,577.30	1,509.72	67.57	23.342		
6,900.00	6,766.09	7,673.52	7,061.78	33.79	36.58	-92.51	-1,547.99	1,100.27	1,566.92	1,498.72	68.21	22.973		
6,950.00	6,813.90	7,664.62	7,061.59	33.99	36.45	-92.99	-1,547.52	1,091.39	1,558.20	1,489.45	68.75	22.664		
7,000.00	6,860.42	7,652.74	7,061.44	34.20	36.27	-93.21	-1,546.93	1,079.53	1,551.13	1,481.93	69.20	22.415		
7,050.00	6,905.36	7,637.77	7,061.40	34.42	36.06	-93.21	-1,546.22	1,064.57	1,545.70	1,476.14	69.56	22.222		
7,100.00	6,948.45	7,619.61	7,061.59	34.67	35.79	-92.98	-1,545.42	1,046.44	1,541.83	1,472.01	69.82	22.083		
7,150.00	6,989.41	7,603.00	7,061.99	34.94	35.55	-92.69	-1,544.75	1,029.84	1,539.43	1,469.36	70.07	21.970		
7,200.00	7,028.00	7,574.95	7,062.58	35.24	35.19	-91.99	-1,543.77	1,001.81	1,538.35	1,468.18	70.17	21.924		
7,217.87	7,041.17	7,566.31	7,062.66	35.35	35.08	-91.76	-1,543.51	993.18	1,538.27	1,468.05	70.22	21.906		
7,250.00	7,063.98	7,550.42	7,062.67	35.56	34.88	-91.32	-1,543.10	977.29	1,538.51	1,468.22	70.30	21.886		
7,300.00	7,097.13	7,524.80	7,062.33	35.92	34.56	-90.56	-1,542.58	951.68	1,539.81	1,469.40	70.40	21.871		
7,350.00	7,127.23	7,508.00	7,061.88	36.32	34.35	-89.95	-1,542.34	934.89	1,542.16	1,471.53	70.63	21.834		
7,400.00	7,154.12	7,474.25	7,059.94	36.75	33.98	-88.92	-1,542.13	901.20	1,545.39	1,474.69	70.70	21.860		
7,450.00	7,177.61	7,449.40	7,057.47	37.22	33.70	-88.03	-1,542.23	876.48	1,549.53	1,478.65	70.88	21.861		
7,500.00	7,197.57	7,414.00	7,052.41	37.73	33.33	-86.91	-1,542.74	841.45	1,554.53	1,483.56	70.96	21.906		
7,550.00	7,213.88	7,414.00	7,052.41	38.28	33.33	-86.40	-1,542.74	841.45	1,560.22	1,488.73	71.49	21.825 SF		
7,600.00	7,226.42	7,377.97	7,045.35	38.87	33.00	-85.24	-1,543.75	806.13	1,566.43	1,494.76	71.67	21.857		
7,650.00	7,235.13	7,355.12	7,039.84	39.48	32.80	-84.28	-1,544.69	783.98	1,573.33	1,501.33	72.00	21.851		
7,700.00	7,239.95	7,319.00	7,029.54	40.12	32.50	-83.15	-1,546.64	749.42	1,580.85	1,508.62	72.23	21.887		
7,735.44	7,241.00	7,319.00	7,029.54	40.59	32.50	-82.66	-1,546.64	749.42	1,586.25	1,513.60	72.65	21.834		
7,800.00	7,241.11	7,269.81	7,013.05	41.47	32.18	-82.09	-1,549.75	703.19	1,596.81	1,523.76	73.04	21.861		
7,900.00	7,241.27	7,202.16	6,986.55	42.96	31.84	-81.17	-1,554.20	641.12	1,614.95	1,541.11	73.84	21.872		
8,000.00	7,241.44	7,138.02	6,955.14	44.59	31.62	-80.09	-1,557.87	585.36	1,635.36	1,560.58	74.78	21.869		
8,100.00	7,241.61	7,034.00	6,889.98	46.34	31.34	-77.83	-1,558.21	504.61	1,656.11	1,580.61	75.50	21.936		
8,200.00	7,241.77	6,995.20	6,861.94	48.20	31.23	-76.86	-1,556.90	477.83	1,680.17	1,603.47	76.70	21.905		
8,300.00	7,241.94	6,973.88	6,846.04	50.16	31.17	-76.32	-1,556.78	463.63	1,709.11	1,631.10	78.01	21.908		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,400.00	7,242.11	6,939.00	6,819.32	52.20	31.08	-75.42	-1,557.51	441.23	1,742.74	1,663.56	79.18	22.010		
8,500.00	7,242.27	6,927.29	6,810.14	54.31	31.04	-75.12	-1,557.91	433.96	1,780.23	1,699.78	80.45	22.127		
8,600.00	7,242.44	6,881.65	6,773.28	56.49	30.91	-73.90	-1,558.80	407.08	1,821.33	1,739.90	81.44	22.365		
8,700.00	7,242.60	6,845.00	6,742.49	58.73	30.80	-72.88	-1,558.76	387.22	1,865.62	1,783.24	82.39	22.645		
8,800.00	7,242.77	6,845.00	6,742.49	61.03	30.80	-72.88	-1,558.76	387.22	1,913.65	1,830.15	83.50	22.918		
8,900.00	7,242.94	6,804.44	6,707.19	63.37	30.67	-71.73	-1,558.28	367.24	1,964.49	1,880.23	84.26	23.316		
9,000.00	7,243.10	6,787.73	6,692.30	65.75	30.62	-71.24	-1,558.05	359.69	2,018.90	1,933.82	85.08	23.729		
9,100.00	7,243.27	6,751.00	6,658.87	68.18	30.50	-70.17	-1,557.49	344.48	2,076.69	1,991.01	85.68	24.236		
9,200.00	7,243.44	6,751.00	6,658.87	70.63	30.50	-70.17	-1,557.49	344.48	2,136.73	2,050.27	86.46	24.713		
9,300.00	7,243.60	6,751.00	6,658.87	73.12	30.50	-70.17	-1,557.49	344.48	2,199.68	2,112.53	87.15	25.240		
9,400.00	7,243.77	6,751.00	6,658.87	75.63	30.50	-70.17	-1,557.49	344.48	2,265.30	2,177.54	87.76	25.813		
9,500.00	7,243.94	6,751.00	6,658.87	78.17	30.50	-70.17	-1,557.49	344.48	2,333.36	2,245.07	88.29	26.428		
9,600.00	7,244.10	6,716.13	6,626.46	80.73	30.38	-69.14	-1,557.18	331.62	2,402.71	2,314.10	88.60	27.118		
9,700.00	7,244.27	6,707.06	6,617.95	83.31	30.35	-68.88	-1,557.19	328.49	2,474.49	2,385.50	88.99	27.807		
9,800.00	7,244.44	6,698.49	6,609.88	85.91	30.32	-68.62	-1,557.24	325.61	2,548.06	2,458.73	89.33	28.524		
9,900.00	7,244.60	6,690.40	6,602.23	88.53	30.29	-68.39	-1,557.31	322.97	2,623.27	2,533.64	89.63	29.267		
10,000.00	7,244.77	6,656.00	6,569.46	91.16	30.17	-67.39	-1,557.93	312.53	2,700.55	2,610.76	89.79	30.076		
10,100.00	7,244.94	6,656.00	6,569.46	93.81	30.17	-67.39	-1,557.93	312.53	2,778.42	2,688.36	90.06	30.850		
10,200.00	7,245.10	6,656.00	6,569.46	96.46	30.17	-67.39	-1,557.93	312.53	2,857.66	2,767.37	90.30	31.648		
10,300.00	7,245.27	6,656.00	6,569.46	99.14	30.17	-67.39	-1,557.93	312.53	2,938.17	2,847.67	90.50	32.466		
10,400.00	7,245.43	6,656.00	6,569.46	101.82	30.17	-67.39	-1,557.93	312.53	3,019.85	2,929.17	90.68	33.303		
10,500.00	7,245.60	6,656.00	6,569.46	104.51	30.17	-67.39	-1,557.93	312.53	3,102.60	3,011.77	90.83	34.157		
10,600.00	7,245.77	6,656.00	6,569.46	107.21	30.17	-67.39	-1,557.93	312.53	3,186.34	3,095.37	90.97	35.028		
10,700.00	7,245.93	6,656.00	6,569.46	109.92	30.17	-67.39	-1,557.93	312.53	3,270.99	3,179.91	91.08	35.913		
10,800.00	7,246.10	6,656.00	6,569.46	112.64	30.17	-67.39	-1,557.93	312.53	3,356.48	3,265.31	91.18	36.812		
10,900.00	7,246.27	6,620.43	6,535.19	115.37	30.04	-66.36	-1,558.74	303.08	3,442.03	3,350.84	91.20	37.744		
11,000.00	7,246.43	6,614.47	6,529.41	118.10	30.02	-66.18	-1,558.86	301.63	3,528.77	3,437.50	91.26	38.666		
11,100.00	7,246.60	6,608.81	6,523.91	120.84	30.00	-66.02	-1,558.96	300.28	3,616.15	3,524.83	91.32	39.599		
11,200.00	7,246.77	6,603.43	6,518.67	123.58	29.98	-65.86	-1,559.06	299.04	3,704.13	3,612.77	91.37	40.540		
11,300.00	7,246.93	6,598.31	6,513.68	126.34	29.96	-65.72	-1,559.14	297.88	3,792.68	3,701.27	91.41	41.490		
11,340.34	7,247.00	6,562.00	6,478.14	127.45	29.83	-64.67	-1,559.61	290.50	3,829.24	3,737.90	91.34	41.921		
11,400.00	7,247.10	6,562.00	6,478.14	129.09	29.83	-65.63	-1,559.61	290.50	3,882.08	3,790.71	91.37	42.486		
11,500.00	7,247.27	6,562.00	6,478.14	131.84	29.83	-67.10	-1,559.61	290.50	3,969.90	3,878.49	91.41	43.431		
11,586.15	7,247.43	6,562.00	6,478.14	134.20	29.83	-68.26	-1,559.61	290.50	4,044.78	3,953.36	91.43	44.241		
11,600.00	7,247.45	6,562.00	6,478.14	134.57	29.83	-68.26	-1,559.61	290.50	4,056.77	3,965.35	91.43	44.372		
11,700.00	7,247.64	6,562.00	6,478.14	137.31	29.83	-68.26	-1,559.61	290.50	4,143.66	4,052.22	91.44	45.316		
11,800.00	7,247.82	6,562.00	6,478.14	140.05	29.83	-68.26	-1,559.61	290.50	4,231.12	4,139.68	91.45	46.270		
11,900.00	7,248.00	6,562.00	6,478.14	142.79	29.83	-68.26	-1,559.61	290.50	4,319.13	4,227.68	91.45	47.231		
12,000.00	7,248.18	6,562.00	6,478.14	145.53	29.83	-68.26	-1,559.61	290.50	4,407.65	4,316.21	91.45	48.200		
12,100.00	7,248.37	6,562.00	6,478.14	148.28	29.83	-68.26	-1,559.61	290.50	4,496.65	4,405.21	91.44	49.176		
12,200.00	7,248.55	6,562.00	6,478.14	151.04	29.83	-68.26	-1,559.61	290.50	4,586.11	4,494.67	91.43	50.158		
12,300.00	7,248.73	6,562.00	6,478.14	153.80	29.83	-68.26	-1,559.61	290.50	4,675.99	4,584.57	91.42	51.146		
12,400.00	7,248.91	6,562.00	6,478.14	156.56	29.83	-68.26	-1,559.61	290.50	4,766.27	4,674.86	91.41	52.141		
12,500.00	7,249.10	6,562.00	6,478.14	159.32	29.83	-68.26	-1,559.61	290.50	4,856.94	4,765.54	91.40	53.140		
12,600.00	7,249.28	6,562.00	6,478.14	162.09	29.83	-68.26	-1,559.61	290.50	4,947.97	4,856.58	91.38	54.144		
12,700.00	7,249.46	6,562.00	6,478.14	164.86	29.83	-68.26	-1,559.61	290.50	5,039.33	4,947.96	91.37	55.153		
12,800.00	7,249.64	6,562.00	6,478.14	167.63	29.83	-68.26	-1,559.61	290.50	5,131.02	5,039.66	91.35	56.166		
12,900.00	7,249.83	6,562.00	6,478.14	170.40	29.83	-68.26	-1,559.61	290.50	5,223.01	5,131.67	91.34	57.183		
13,000.00	7,250.01	6,562.00	6,478.14	173.18	29.83	-68.26	-1,559.61	290.50	5,315.29	5,223.97	91.32	58.204		
13,100.00	7,250.19	6,562.00	6,478.14	175.96	29.83	-68.26	-1,559.61	290.50	5,407.85	5,316.54	91.31	59.228		
13,200.00	7,250.37	6,562.00	6,478.14	178.74	29.83	-68.26	-1,559.61	290.50	5,500.67	5,409.38	91.29	60.255		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 249-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,300.00	7,250.56	6,562.00	6,478.14	181.52	29.83	-68.26	-1,559.61	290.50	5,593.73	5,502.46	91.27	61.285		
13,400.00	7,250.74	6,562.00	6,478.14	184.31	29.83	-68.26	-1,559.61	290.50	5,687.03	5,595.77	91.26	62.318		
13,500.00	7,250.92	6,562.00	6,478.14	187.09	29.83	-68.26	-1,559.61	290.50	5,780.56	5,689.31	91.24	63.353		
13,600.00	7,251.10	6,562.00	6,478.14	189.88	29.83	-68.26	-1,559.61	290.50	5,874.29	5,783.06	91.23	64.391		
13,700.00	7,251.29	6,562.00	6,478.14	192.67	29.83	-68.26	-1,559.61	290.50	5,968.23	5,877.02	91.22	65.430		
13,800.00	7,251.47	6,562.00	6,478.14	195.47	29.83	-68.26	-1,559.61	290.50	6,062.37	5,971.17	91.20	66.472		
13,900.00	7,251.65	6,562.00	6,478.14	198.26	29.83	-68.26	-1,559.61	290.50	6,156.69	6,065.50	91.19	67.515		
14,000.00	7,251.83	6,562.00	6,478.14	201.05	29.83	-68.26	-1,559.61	290.50	6,251.18	6,160.01	91.18	68.559		
14,100.00	7,252.01	6,562.00	6,478.14	203.85	29.83	-68.26	-1,559.61	290.50	6,345.85	6,254.68	91.17	69.605		
14,200.00	7,252.20	6,562.00	6,478.14	206.65	29.83	-68.26	-1,559.61	290.50	6,440.68	6,349.52	91.16	70.653		
14,300.00	7,252.38	6,562.00	6,478.14	209.45	29.83	-68.26	-1,559.61	290.50	6,535.66	6,444.50	91.15	71.701		
14,400.00	7,252.56	6,562.00	6,478.14	212.25	29.83	-68.26	-1,559.61	290.50	6,630.78	6,539.64	91.14	72.751		
14,500.00	7,252.74	6,562.00	6,478.14	215.05	29.83	-68.26	-1,559.61	290.50	6,726.05	6,634.92	91.14	73.801		
14,600.00	7,252.93	6,562.00	6,478.14	217.86	29.83	-68.26	-1,559.61	290.50	6,821.46	6,730.32	91.13	74.852		
14,700.00	7,253.11	6,562.00	6,478.14	220.66	29.83	-68.26	-1,559.61	290.50	6,916.99	6,825.86	91.13	75.904		
14,800.00	7,253.29	6,562.00	6,478.14	223.47	29.83	-68.26	-1,559.61	290.50	7,012.65	6,921.53	91.13	76.956		
14,900.00	7,253.47	6,562.00	6,478.14	226.27	29.83	-68.26	-1,559.61	290.50	7,108.43	7,017.31	91.12	78.009		
15,000.00	7,253.66	6,562.00	6,478.14	229.08	29.83	-68.26	-1,559.61	290.50	7,204.32	7,113.20	91.12	79.061		
15,100.00	7,253.84	6,562.00	6,478.14	231.89	29.83	-68.26	-1,559.61	290.50	7,300.33	7,209.20	91.12	80.115		
15,200.00	7,254.02	6,562.00	6,478.14	234.70	29.83	-68.26	-1,559.61	290.50	7,396.44	7,305.31	91.13	81.168		
15,300.00	7,254.20	6,562.00	6,478.14	237.51	29.83	-68.26	-1,559.61	290.50	7,492.65	7,401.52	91.13	82.221		
15,400.00	7,254.39	6,562.00	6,478.14	240.32	29.83	-68.26	-1,559.61	290.50	7,588.96	7,497.82	91.13	83.274		
15,500.00	7,254.57	6,562.00	6,478.14	243.13	29.83	-68.26	-1,559.61	290.50	7,685.36	7,594.22	91.14	84.327		
15,600.00	7,254.75	6,562.00	6,478.14	245.94	29.83	-68.26	-1,559.61	290.50	7,781.85	7,690.71	91.14	85.380		
15,700.00	7,254.93	6,562.00	6,478.14	248.76	29.83	-68.26	-1,559.61	290.50	7,878.44	7,787.28	91.15	86.433		
15,800.00	7,255.12	6,562.00	6,478.14	251.57	29.83	-68.26	-1,559.61	290.50	7,975.10	7,883.94	91.16	87.485		
15,900.00	7,255.30	6,562.00	6,478.14	254.39	29.83	-68.26	-1,559.61	290.50	8,071.85	7,980.68	91.17	88.537		
16,000.00	7,255.48	6,562.00	6,478.14	257.20	29.83	-68.26	-1,559.61	290.50	8,168.67	8,077.49	91.18	89.588		
16,100.00	7,255.66	6,562.00	6,478.14	260.02	29.83	-68.26	-1,559.61	290.50	8,265.57	8,174.38	91.19	90.639		
16,200.00	7,255.85	6,562.00	6,478.14	262.84	29.83	-68.26	-1,559.61	290.50	8,362.55	8,271.34	91.21	91.689		
16,300.00	7,256.03	6,562.00	6,478.14	265.65	29.83	-68.26	-1,559.61	290.50	8,459.59	8,368.37	91.22	92.739		
16,400.00	7,256.21	6,517.79	6,434.40	268.47	29.66	-67.12	-1,560.05	284.25	8,554.72	8,463.51	91.20	93.798		
16,500.00	7,256.39	6,517.24	6,433.85	271.29	29.66	-67.11	-1,560.06	284.20	8,651.85	8,560.62	91.22	94.846		
16,600.00	7,256.58	6,516.71	6,433.31	274.11	29.66	-67.09	-1,560.07	284.15	8,749.04	8,657.80	91.24	95.893		
16,700.00	7,256.76	6,516.18	6,432.79	276.93	29.66	-67.08	-1,560.07	284.10	8,846.29	8,755.04	91.26	96.939		
16,800.00	7,256.94	6,515.66	6,432.28	279.75	29.66	-67.07	-1,560.08	284.05	8,943.61	8,852.33	91.28	97.984		
16,900.00	7,257.12	6,515.16	6,431.78	282.57	29.66	-67.05	-1,560.08	284.00	9,040.98	8,949.68	91.30	99.029		
17,000.00	7,257.30	6,514.67	6,431.28	285.40	29.65	-67.04	-1,560.09	283.96	9,138.41	9,047.09	91.32	100.072		
17,100.00	7,257.49	6,514.18	6,430.80	288.22	29.65	-67.03	-1,560.09	283.91	9,235.89	9,144.55	91.34	101.114		
17,200.00	7,257.67	6,513.71	6,430.33	291.04	29.65	-67.02	-1,560.10	283.87	9,333.43	9,242.07	91.37	102.155		
17,300.00	7,257.85	6,513.25	6,429.87	293.87	29.65	-67.01	-1,560.10	283.83	9,431.02	9,339.63	91.39	103.195		
17,400.00	7,258.03	6,512.79	6,429.42	296.69	29.65	-66.99	-1,560.11	283.79	9,528.66	9,437.24	91.42	104.234		
17,500.00	7,258.22	6,512.35	6,428.97	299.51	29.64	-66.98	-1,560.11	283.75	9,626.34	9,534.90	91.44	105.271		
17,600.00	7,258.40	6,468.00	6,384.69	302.34	29.48	-65.86	-1,560.57	281.77	9,726.03	9,634.60	91.43	106.379		
17,700.00	7,258.58	6,468.00	6,384.69	305.16	29.48	-65.86	-1,560.57	281.77	9,823.77	9,732.31	91.46	107.413		
17,800.00	7,258.76	6,468.00	6,384.69	307.99	29.48	-65.86	-1,560.57	281.77	9,921.56	9,830.07	91.49	108.446		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	0.00	140.21	-608.03	506.43	791.38					
100.00	100.00	87.94	87.94	3.28	0.20	140.18	-607.83	506.76	791.36	787.89	3.48	227.556 CC, ES		
200.00	200.00	177.09	177.08	3.34	0.47	140.09	-607.34	507.97	791.86	788.04	3.82	207.538		
300.00	299.98	255.35	255.27	3.44	0.82	49.25	-607.47	511.34	793.61	789.31	4.31	184.294		
400.00	399.84	329.00	328.70	3.60	1.16	49.15	-608.14	516.79	795.78	790.93	4.85	164.071		
500.00	499.45	407.23	406.46	3.81	1.52	49.09	-609.75	525.16	798.65	793.21	5.45	146.612		
600.00	598.70	480.30	478.77	4.05	1.85	49.09	-612.65	535.26	802.63	796.54	6.09	131.837		
700.00	697.47	556.80	554.14	4.34	2.20	49.23	-617.63	547.35	807.56	800.80	6.76	119.452		
800.00	795.62	638.32	634.20	4.66	2.59	49.60	-625.15	560.75	812.79	805.33	7.47	108.880		
849.22	843.68	680.22	675.27	4.84	2.80	49.89	-629.80	567.61	815.28	807.46	7.82	104.223		
900.00	893.16	723.66	717.80	5.02	3.01	50.27	-635.17	574.64	818.05	809.85	8.20	99.764		
1,000.00	990.60	811.25	803.42	5.41	3.44	51.15	-647.94	587.96	824.84	815.87	8.96	92.024		
1,100.00	1,088.05	910.13	899.98	5.83	3.93	52.45	-665.64	599.69	832.63	822.87	9.77	85.263		
1,200.00	1,185.49	1,027.39	1,014.52	6.26	4.48	54.46	-689.61	606.72	839.81	829.17	10.64	78.916		
1,300.00	1,282.93	1,133.39	1,117.97	6.70	4.96	56.67	-712.65	606.11	845.44	833.93	11.51	73.443		
1,400.00	1,380.37	1,217.36	1,199.35	7.15	5.33	58.65	-732.96	602.28	852.54	840.22	12.33	69.160		
1,500.00	1,477.82	1,296.08	1,275.02	7.62	5.68	60.62	-754.09	597.30	862.61	849.48	13.13	65.689		
1,600.00	1,575.26	1,376.81	1,352.09	8.09	6.05	62.69	-777.35	591.42	875.67	861.72	13.95	62.773		
1,700.00	1,672.70	1,461.39	1,432.53	8.57	6.46	64.85	-802.67	584.85	891.20	876.41	14.79	60.256		
1,800.00	1,770.15	1,541.68	1,508.56	9.05	6.85	66.88	-827.61	578.27	909.27	893.66	15.61	58.247		
1,900.00	1,867.59	1,635.00	1,596.73	9.54	7.33	69.20	-857.10	570.18	929.32	912.81	16.51	56.290		
2,000.00	1,965.03	1,739.58	1,695.73	10.03	7.88	71.70	-889.41	560.67	950.19	932.70	17.49	54.341		
2,100.00	2,062.48	1,833.59	1,785.14	10.53	8.38	73.83	-917.30	552.45	971.40	953.00	18.40	52.797		
2,200.00	2,159.92	1,903.90	1,851.96	11.03	8.76	75.32	-938.51	547.10	994.62	975.47	19.15	51.929		
2,300.00	2,257.36	1,976.59	1,920.66	11.53	9.16	76.71	-962.00	543.71	1,021.23	1,001.31	19.91	51.283		
2,400.00	2,354.81	2,071.47	2,010.33	12.03	9.70	78.38	-992.83	540.54	1,049.14	1,028.30	20.85	50.329		
2,500.00	2,452.25	2,172.16	2,105.69	12.54	10.27	80.03	-1,025.06	537.86	1,077.44	1,055.61	21.83	49.359		
2,600.00	2,549.69	2,274.42	2,202.92	13.04	10.85	81.60	-1,056.60	535.22	1,105.29	1,082.47	22.83	48.420		
2,700.00	2,647.13	2,364.78	2,288.94	13.55	11.35	82.90	-1,084.22	533.28	1,133.55	1,109.82	23.73	47.765		
2,800.00	2,744.58	2,459.00	2,378.47	14.06	11.89	84.29	-1,113.30	529.39	1,162.66	1,137.99	24.67	47.129		
2,900.00	2,842.02	2,556.26	2,471.10	14.57	12.44	85.65	-1,142.70	525.59	1,191.76	1,166.13	25.64	46.489		
3,000.00	2,939.46	2,646.29	2,556.88	15.09	12.94	86.80	-1,169.92	523.03	1,221.40	1,194.86	26.54	46.018		
3,100.00	3,036.91	2,735.40	2,641.72	15.60	13.45	87.87	-1,197.10	521.07	1,251.75	1,224.31	27.44	45.613		
3,200.00	3,134.35	2,823.77	2,725.79	16.11	13.95	88.86	-1,224.30	519.58	1,282.75	1,254.41	28.34	45.265		
3,300.00	3,231.79	2,908.38	2,806.15	16.63	14.44	89.85	-1,250.54	516.26	1,314.56	1,285.36	29.20	45.019		
3,400.00	3,329.24	2,989.96	2,883.47	17.14	14.91	90.77	-1,276.35	512.82	1,347.42	1,317.38	30.03	44.865		
3,500.00	3,426.68	3,072.51	2,961.50	17.66	15.39	91.66	-1,303.08	509.44	1,381.36	1,350.49	30.88	44.740		
3,600.00	3,524.12	3,175.81	3,059.22	18.18	15.99	92.70	-1,336.35	505.78	1,415.42	1,383.50	31.92	44.337		
3,700.00	3,621.57	3,265.04	3,143.72	18.69	16.51	93.54	-1,364.92	503.05	1,449.57	1,416.74	32.84	44.146		
3,800.00	3,719.01	3,356.74	3,230.48	19.21	17.04	94.40	-1,394.35	499.31	1,484.24	1,450.47	33.77	43.948		
3,900.00	3,816.45	3,483.29	3,350.82	19.73	17.77	95.54	-1,433.16	494.19	1,517.80	1,482.75	35.05	43.310		
4,000.00	3,913.90	3,599.85	3,462.24	20.25	18.42	96.48	-1,467.25	491.10	1,550.10	1,513.89	36.21	42.808		
4,100.00	4,011.34	3,690.79	3,549.38	20.77	18.93	97.15	-1,493.22	489.67	1,581.76	1,544.62	37.14	42.591		
4,200.00	4,108.78	3,775.76	3,630.70	21.29	19.41	97.78	-1,517.75	487.67	1,614.08	1,576.07	38.01	42.463		
4,300.00	4,206.22	3,898.03	3,747.91	21.81	20.09	98.70	-1,552.34	483.52	1,646.37	1,607.14	39.23	41.971		
4,400.00	4,303.67	3,951.81	3,799.47	22.33	20.40	99.09	-1,567.53	481.67	1,678.76	1,638.95	39.81	42.170		
4,500.00	4,401.11	4,005.74	3,850.79	22.85	20.71	99.47	-1,583.92	479.49	1,713.50	1,673.13	40.37	42.443		
4,600.00	4,498.55	4,062.00	3,903.97	23.37	21.04	99.86	-1,602.10	476.92	1,750.36	1,709.42	40.94	42.749		
4,700.00	4,596.00	4,122.97	3,961.21	23.89	21.40	100.27	-1,622.89	473.91	1,789.14	1,747.58	41.56	43.051		
4,800.00	4,693.44	4,188.04	4,021.96	24.41	21.80	100.69	-1,645.99	470.66	1,829.41	1,787.20	42.21	43.339		
4,900.00	4,790.88	4,257.24	4,086.24	24.93	22.22	101.11	-1,671.38	467.26	1,870.93	1,828.02	42.91	43.598		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:		0.00 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,888.33	4,362.51	4,183.87	25.46	22.87	101.70	-1,710.44	462.54	1,912.88	1,868.84	44.04	43.432					
5,100.00	4,985.77	4,473.55	4,287.32	25.98	23.56	102.29	-1,750.57	458.06	1,953.91	1,908.67	45.24	43.194					
5,200.00	5,083.21	4,588.36	4,394.69	26.50	24.25	102.87	-1,790.99	453.86	1,994.10	1,947.64	46.46	42.920					
5,300.00	5,180.66	4,702.94	4,502.42	27.02	24.94	103.42	-1,829.82	450.07	2,033.03	1,985.36	47.67	42.644					
5,400.00	5,278.10	4,819.01	4,611.94	27.55	25.63	103.97	-1,868.08	446.26	2,071.26	2,022.37	48.89	42.362					
5,500.00	5,375.54	4,951.83	4,737.92	28.07	26.41	104.56	-1,909.99	442.60	2,108.16	2,057.88	50.27	41.935					
5,582.90	5,456.32	5,071.80	4,852.50	28.50	27.09	105.07	-1,945.45	440.16	2,137.01	2,085.52	51.49	41.506					
5,600.00	5,473.00	5,092.99	4,872.82	28.59	27.21	105.28	-1,951.46	439.63	2,142.81	2,091.11	51.70	41.447					
5,700.00	5,570.93	5,178.71	4,955.02	29.10	27.69	106.28	-1,975.64	437.27	2,176.19	2,123.62	52.57	41.396					
5,800.00	5,669.52	5,271.21	5,043.58	29.57	28.21	107.18	-2,002.22	434.90	2,209.12	2,155.64	53.48	41.307					
5,900.00	5,768.62	5,360.14	5,128.70	30.03	28.71	107.94	-2,027.95	433.14	2,241.09	2,186.76	54.34	41.245					
6,000.00	5,868.13	5,527.61	5,289.55	30.45	29.64	108.57	-2,074.46	431.52	2,270.57	2,214.68	55.89	40.625					
6,100.00	5,967.93	5,612.51	5,371.38	30.86	30.11	109.04	-2,097.09	431.40	2,297.74	2,241.08	56.66	40.550					
6,200.00	6,067.88	5,693.29	5,449.09	31.24	30.55	109.44	-2,119.12	430.84	2,324.56	2,267.17	57.38	40.510					
6,232.12	6,100.00	5,724.02	5,478.63	31.36	30.73	-159.75	-2,127.60	430.67	2,333.01	2,275.36	57.65	40.468					
6,300.00	6,167.88	5,762.00	5,515.13	31.61	30.94	-159.84	-2,138.11	430.59	2,350.94	2,292.98	57.96	40.558					
6,400.00	6,267.88	5,827.44	5,577.83	31.97	31.31	-159.99	-2,156.83	429.81	2,378.49	2,319.98	58.51	40.650					
6,500.00	6,367.88	6,500.00	5,678.94	32.34	35.09	-160.16	-2,187.35	426.09	2,406.91	2,344.61	62.31	38.630					
6,600.00	6,467.88	6,010.46	5,753.07	32.70	32.34	-160.27	-2,209.09	422.92	2,434.93	2,374.83	60.10	40.513					
6,700.00	6,567.88	6,067.02	5,806.95	33.07	32.66	-160.35	-2,226.15	420.59	2,464.70	2,404.14	60.56	40.701					
6,736.50	6,604.38	6,093.88	5,832.47	33.21	32.81	-160.40	-2,234.46	419.51	2,475.86	2,415.08	60.78	40.732					
6,750.00	6,617.88	6,103.79	5,841.88	33.25	32.87	-72.95	-2,237.56	419.11	2,479.98	2,419.11	60.87	40.745					
6,800.00	6,667.77	6,261.24	5,992.36	33.43	33.77	-72.24	-2,283.55	414.81	2,493.15	2,430.81	62.34	39.992					
6,850.00	6,717.28	6,286.31	6,016.42	33.60	33.91	-71.35	-2,290.59	414.44	2,504.70	2,442.15	62.55	40.046					
6,900.00	6,766.09	6,325.00	6,053.41	33.79	34.12	-70.68	-2,301.90	413.88	2,515.58	2,452.70	62.88	40.004					
6,950.00	6,813.90	6,325.00	6,053.41	33.99	34.12	-69.82	-2,301.90	413.88	2,525.58	2,462.72	62.86	40.177					
7,000.00	6,860.42	6,361.69	6,088.36	34.20	34.34	-69.38	-2,313.07	413.32	2,534.74	2,471.53	63.21	40.098					
7,050.00	6,905.36	6,386.52	6,111.94	34.42	34.48	-68.95	-2,320.83	412.89	2,543.10	2,479.64	63.47	40.069					
7,100.00	6,948.45	6,418.00	6,141.76	34.67	34.66	-68.72	-2,330.90	412.29	2,550.65	2,486.84	63.82	39.968					
7,150.00	6,989.41	6,439.84	6,162.41	34.94	34.79	-68.47	-2,337.99	411.84	2,557.31	2,493.21	64.10	39.896					
7,200.00	7,028.00	6,471.19	6,192.04	35.24	34.98	-68.46	-2,348.21	411.19	2,563.05	2,498.53	64.52	39.726					
7,250.00	7,063.98	6,500.42	6,219.65	35.56	35.15	-68.53	-2,357.80	410.57	2,567.91	2,502.95	64.96	39.531					
7,300.00	7,097.13	6,528.69	6,246.33	35.92	35.32	-68.68	-2,367.12	409.98	2,571.93	2,506.49	65.44	39.303					
7,350.00	7,127.23	6,554.93	6,271.09	36.32	35.48	-68.89	-2,375.80	409.46	2,575.18	2,509.23	65.95	39.048					
7,400.00	7,154.12	6,578.24	6,293.07	36.75	35.62	-69.12	-2,383.54	409.05	2,577.72	2,511.23	66.49	38.771					
7,450.00	7,177.61	6,598.49	6,312.16	37.22	35.74	-69.36	-2,390.29	408.71	2,579.63	2,512.58	67.05	38.474					
7,500.00	7,197.57	6,631.21	6,343.02	37.73	35.93	-69.93	-2,401.14	408.21	2,580.93	2,513.13	67.80	38.064					
7,550.00	7,213.88	6,662.58	6,372.68	38.28	36.12	-70.53	-2,411.35	407.73	2,581.63	2,513.03	68.60	37.631					
7,600.00	7,226.42	6,686.77	6,395.59	38.87	36.26	-71.04	-2,419.10	407.38	2,581.84	2,512.46	69.38	37.211					
7,650.00	7,235.13	6,703.55	6,411.51	39.48	36.36	-71.42	-2,424.41	407.13	2,581.66	2,511.52	70.13	36.810					
7,700.00	7,239.95	6,712.78	6,420.27	40.12	36.41	-71.66	-2,427.31	407.00	2,581.16	2,510.31	70.85	36.431					
7,735.44	7,241.00	6,714.69	6,422.09	40.59	36.42	-71.75	-2,427.91	406.98	2,580.64	2,509.31	71.33	36.177					
7,778.19	7,241.07	6,714.69	6,422.09	41.17	36.42	-71.75	-2,427.91	406.98	2,580.29	2,508.36	71.92	35.876					
7,800.00	7,241.11	6,714.69	6,422.09	41.47	36.42	-71.75	-2,427.91	406.98	2,580.38	2,508.16	72.22	35.728					
7,900.00	7,241.27	6,714.68	6,422.08	42.96	36.42	-71.75	-2,427.90	406.98	2,583.16	2,509.45	73.71	35.045					
8,000.00	7,241.44	6,714.67	6,422.07	44.59	36.42	-71.75	-2,427.90	406.98	2,589.80	2,514.50	75.30	34.391					
8,100.00	7,241.61	6,714.66	6,422.06	46.34	36.42	-71.75	-2,427.90	406.98	2,600.28	2,523.29	76.98	33.778					
8,200.00	7,241.77	6,714.65	6,422.05	48.20	36.42	-71.75	-2,427.89	406.98	2,614.54	2,535.82	78.72	33.215					
8,300.00	7,241.94	6,714.64	6,422.04	50.16	36.42	-71.75	-2,427.89	406.98	2,632.52	2,552.03	80.49	32.708					
8,400.00	7,242.11	6,714.63	6,422.03	52.20	36.42	-71.75	-2,427.89	406.98	2,654.15	2,571.88	82.27	32.262					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)		Separation Factor
8,500.00	7,242.27	6,714.62	6,422.03	54.31	36.42	-71.75	-2,427.89	406.98	2,679.34	2,595.30	84.05	31.878	
8,600.00	7,242.44	6,714.62	6,422.02	56.49	36.42	-71.75	-2,427.88	406.98	2,708.00	2,622.19	85.81	31.559	
8,700.00	7,242.60	6,714.61	6,422.01	58.73	36.42	-71.75	-2,427.88	406.98	2,740.00	2,652.47	87.53	31.302	
8,800.00	7,242.77	6,714.60	6,422.00	61.03	36.42	-71.75	-2,427.88	406.98	2,775.24	2,686.03	89.22	31.107	
8,900.00	7,242.94	6,714.59	6,421.99	63.37	36.42	-71.75	-2,427.87	406.98	2,813.60	2,722.75	90.85	30.971	
9,000.00	7,243.10	6,714.58	6,421.98	65.75	36.42	-71.75	-2,427.87	406.98	2,854.94	2,762.52	92.42	30.892	
9,100.00	7,243.27	6,714.57	6,421.97	68.18	36.42	-71.75	-2,427.87	406.98	2,899.15	2,805.22	93.93	30.867 SF	
9,200.00	7,243.44	6,714.56	6,421.97	70.63	36.42	-71.75	-2,427.87	406.98	2,946.09	2,850.72	95.37	30.893	
9,300.00	7,243.60	6,714.55	6,421.96	73.12	36.42	-71.75	-2,427.86	406.98	2,995.63	2,898.89	96.74	30.967	
9,400.00	7,243.77	6,714.54	6,421.95	75.63	36.42	-71.75	-2,427.86	406.98	3,047.65	2,949.61	98.04	31.086	
9,500.00	7,243.94	6,714.53	6,421.94	78.17	36.42	-71.75	-2,427.86	406.98	3,102.02	3,002.74	99.27	31.248	
9,600.00	7,244.10	6,714.52	6,421.93	80.73	36.42	-71.75	-2,427.85	406.98	3,158.62	3,058.18	100.44	31.449	
9,700.00	7,244.27	6,714.52	6,421.92	83.31	36.42	-71.75	-2,427.85	406.98	3,217.33	3,115.80	101.53	31.687	
9,800.00	7,244.44	6,714.51	6,421.91	85.91	36.42	-71.75	-2,427.85	406.98	3,278.05	3,175.48	102.57	31.960	
9,900.00	7,244.60	6,714.50	6,421.91	88.53	36.42	-71.75	-2,427.85	406.98	3,340.65	3,237.11	103.54	32.265	
10,000.00	7,244.77	6,714.49	6,421.90	91.16	36.42	-71.75	-2,427.84	406.98	3,405.04	3,300.59	104.45	32.600	
10,100.00	7,244.94	6,714.48	6,421.89	93.81	36.42	-71.75	-2,427.84	406.98	3,471.12	3,365.82	105.30	32.963	
10,200.00	7,245.10	6,714.47	6,421.88	96.46	36.42	-71.75	-2,427.84	406.98	3,538.79	3,432.69	106.11	33.352	
10,300.00	7,245.27	6,714.46	6,421.87	99.14	36.42	-71.75	-2,427.83	406.98	3,607.96	3,501.11	106.86	33.765	
10,400.00	7,245.43	6,714.45	6,421.86	101.82	36.42	-71.75	-2,427.83	406.98	3,678.56	3,571.00	107.56	34.201	
10,500.00	7,245.60	6,714.44	6,421.85	104.51	36.42	-71.75	-2,427.83	406.98	3,750.48	3,642.27	108.21	34.658	
10,600.00	7,245.77	6,714.43	6,421.85	107.21	36.42	-71.75	-2,427.83	406.98	3,823.68	3,714.85	108.83	35.135	
10,700.00	7,245.93	6,714.43	6,421.84	109.92	36.42	-71.75	-2,427.82	406.98	3,898.06	3,788.66	109.40	35.630	
10,800.00	7,246.10	6,714.42	6,421.83	112.64	36.42	-71.75	-2,427.82	406.98	3,973.57	3,863.63	109.94	36.143	
10,900.00	7,246.27	6,714.41	6,421.82	115.37	36.42	-71.75	-2,427.82	406.98	4,050.13	3,939.69	110.44	36.672	
11,000.00	7,246.43	6,714.40	6,421.81	118.10	36.42	-71.75	-2,427.81	406.98	4,127.70	4,016.79	110.91	37.216	
11,100.00	7,246.60	6,714.39	6,421.80	120.84	36.42	-71.74	-2,427.81	406.98	4,206.22	4,094.87	111.35	37.774	
11,200.00	7,246.77	6,714.38	6,421.79	123.58	36.42	-71.74	-2,427.81	406.98	4,285.64	4,173.87	111.77	38.345	
11,300.00	7,246.93	6,714.37	6,421.79	126.34	36.42	-71.74	-2,427.81	406.98	4,365.89	4,253.74	112.15	38.929	
11,340.34	7,247.00	6,714.37	6,421.78	127.45	36.42	-71.74	-2,427.81	406.98	4,398.50	4,286.20	112.30	39.168	
11,400.00	7,247.10	6,714.36	6,422.15	129.09	36.42	-72.26	-2,427.93	406.97	4,446.61	4,334.09	112.52	39.519	
11,500.00	7,247.27	11,500.00	6,392.35	131.84	64.70	-72.39	-2,417.89	407.43	4,526.30	4,386.41	139.89	32.356	
11,586.15	7,247.43	6,709.84	6,417.48	134.20	36.39	-73.57	-2,426.39	407.05	4,593.99	4,480.90	113.09	40.624	
11,600.00	7,247.45	6,710.22	6,417.84	134.57	36.40	-73.58	-2,426.51	407.05	4,604.81	4,491.67	113.13	40.702	
11,700.00	7,247.64	6,712.96	6,420.45	137.31	36.41	-73.64	-2,427.37	407.01	4,683.37	4,569.89	113.48	41.271	
11,800.00	7,247.82	6,715.65	6,423.00	140.05	36.43	-73.69	-2,428.21	406.98	4,762.74	4,648.94	113.80	41.851	
11,900.00	7,248.00	6,718.27	6,425.49	142.79	36.44	-73.74	-2,429.03	406.94	4,842.87	4,728.76	114.11	42.442	
12,000.00	7,248.18	6,720.84	6,427.92	145.53	36.46	-73.79	-2,429.84	406.91	4,923.73	4,809.33	114.39	43.043	
12,100.00	7,248.37	6,723.35	6,430.31	148.28	36.47	-73.84	-2,430.62	406.88	5,005.27	4,890.61	114.66	43.653	
12,200.00	7,248.55	6,725.80	6,432.64	151.04	36.49	-73.89	-2,431.39	406.85	5,087.48	4,972.56	114.91	44.273	
12,300.00	7,248.73	6,728.21	6,434.93	153.80	36.50	-73.94	-2,432.14	406.83	5,170.30	5,055.15	115.15	44.900	
12,400.00	7,248.91	6,730.56	6,437.16	156.56	36.51	-73.99	-2,432.87	406.80	5,253.73	5,138.36	115.37	45.536	
12,500.00	7,249.10	6,732.87	6,439.36	159.32	36.53	-74.03	-2,433.58	406.78	5,337.73	5,222.14	115.59	46.180	
12,600.00	7,249.28	6,735.13	6,441.50	162.09	36.54	-74.08	-2,434.29	406.75	5,422.26	5,306.48	115.79	46.830	
12,700.00	7,249.46	6,737.34	6,443.61	164.86	36.55	-74.12	-2,434.97	406.73	5,507.32	5,391.34	115.97	47.488	
12,800.00	7,249.64	6,739.51	6,445.67	167.63	36.57	-74.16	-2,435.64	406.71	5,592.86	5,476.71	116.15	48.152	
12,900.00	7,249.83	6,741.63	6,447.69	170.40	36.58	-74.21	-2,436.30	406.68	5,678.88	5,562.56	116.32	48.821	
13,000.00	7,250.01	6,743.72	6,449.67	173.18	36.59	-74.25	-2,436.95	406.66	5,765.35	5,648.87	116.48	49.497	
13,100.00	7,250.19	6,745.76	6,451.61	175.96	36.60	-74.29	-2,437.58	406.64	5,852.25	5,735.62	116.63	50.178	
13,200.00	7,250.37	6,747.76	6,453.52	178.74	36.61	-74.33	-2,438.19	406.63	5,939.56	5,822.79	116.77	50.865	
13,300.00	7,250.56	6,749.73	6,455.38	181.52	36.62	-74.37	-2,438.80	406.61	6,027.27	5,910.36	116.91	51.556	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,400.00	7,250.74	6,751.65	6,457.22	184.31	36.64	-74.41	-2,439.39	406.59	6,115.35	5,998.31	117.04	52.252		
13,500.00	7,250.92	6,753.54	6,459.02	187.09	36.65	-74.44	-2,439.98	406.57	6,203.79	6,086.63	117.16	52.952		
13,600.00	7,251.10	6,755.40	6,460.78	189.88	36.66	-74.48	-2,440.55	406.56	6,292.58	6,175.31	117.27	53.657		
13,700.00	7,251.29	6,757.22	6,462.52	192.67	36.67	-74.52	-2,441.11	406.54	6,381.70	6,264.31	117.39	54.365		
13,800.00	7,251.47	6,759.01	6,464.22	195.47	36.68	-74.55	-2,441.65	406.53	6,471.14	6,353.64	117.49	55.077		
13,900.00	7,251.65	6,760.77	6,465.89	198.26	36.69	-74.59	-2,442.19	406.51	6,560.88	6,443.28	117.59	55.793		
14,000.00	7,251.83	6,762.49	6,467.53	201.05	36.70	-74.62	-2,442.72	406.50	6,650.91	6,533.22	117.69	56.513		
14,100.00	7,252.01	6,764.19	6,469.15	203.85	36.71	-74.66	-2,443.24	406.49	6,741.22	6,623.44	117.78	57.235		
14,200.00	7,252.20	6,765.85	6,470.73	206.65	36.72	-74.69	-2,443.75	406.47	6,831.81	6,713.94	117.87	57.961		
14,300.00	7,252.38	6,767.48	6,472.29	209.45	36.73	-74.72	-2,444.25	406.46	6,922.65	6,804.69	117.95	58.689		
14,400.00	7,252.56	6,769.09	6,473.82	212.25	36.74	-74.75	-2,444.74	406.45	7,013.74	6,895.70	118.04	59.420		
14,500.00	7,252.74	6,770.67	6,475.32	215.05	36.75	-74.79	-2,445.22	406.44	7,105.07	6,986.95	118.11	60.154		
14,600.00	7,252.93	6,772.22	6,476.80	217.86	36.75	-74.82	-2,445.69	406.43	7,196.63	7,078.44	118.19	60.890		
14,700.00	7,253.11	6,773.75	6,478.25	220.66	36.76	-74.85	-2,446.16	406.42	7,288.41	7,170.14	118.26	61.629		
14,800.00	7,253.29	6,775.25	6,479.68	223.47	36.77	-74.88	-2,446.62	406.41	7,380.40	7,262.07	118.33	62.370		
14,900.00	7,253.47	6,776.73	6,481.09	226.27	36.78	-74.91	-2,447.06	406.40	7,472.60	7,354.20	118.40	63.113		
15,000.00	7,253.66	6,778.18	6,482.47	229.08	36.79	-74.93	-2,447.51	406.39	7,565.00	7,446.53	118.47	63.858		
15,100.00	7,253.84	6,779.60	6,483.83	231.89	36.80	-74.96	-2,447.94	406.38	7,657.59	7,539.06	118.53	64.604		
15,200.00	7,254.02	6,781.01	6,485.17	234.70	36.81	-74.99	-2,448.36	406.37	7,750.36	7,631.77	118.59	65.353		
15,300.00	7,254.20	6,782.39	6,486.49	237.51	36.81	-75.02	-2,448.78	406.36	7,843.31	7,724.65	118.65	66.103		
15,400.00	7,254.39	6,783.75	6,487.78	240.32	36.82	-75.05	-2,449.20	406.36	7,936.43	7,817.72	118.71	66.855		
15,500.00	7,254.57	6,785.09	6,489.06	243.13	36.83	-75.07	-2,449.60	406.35	8,029.71	7,910.94	118.77	67.608		
15,600.00	7,254.75	6,786.41	6,490.31	245.94	36.84	-75.10	-2,450.00	406.34	8,123.16	8,004.33	118.82	68.363		
15,700.00	7,254.93	6,792.00	6,495.64	248.76	36.87	-75.21	-2,451.69	406.31	8,216.76	8,097.83	118.93	69.089		
15,800.00	7,255.12	6,792.00	6,495.64	251.57	36.87	-75.21	-2,451.69	406.31	8,310.51	8,191.54	118.97	69.855		
15,900.00	7,255.30	6,792.00	6,495.64	254.39	36.87	-75.21	-2,451.69	406.31	8,404.40	8,285.39	119.00	70.622		
16,000.00	7,255.48	6,792.00	6,495.64	257.20	36.87	-75.21	-2,451.69	406.31	8,498.43	8,379.39	119.04	71.391		
16,100.00	7,255.66	6,792.00	6,495.64	260.02	36.87	-75.21	-2,451.69	406.31	8,592.59	8,473.52	119.08	72.160		
16,200.00	7,255.85	6,792.00	6,495.64	262.84	36.87	-75.21	-2,451.69	406.31	8,686.89	8,567.78	119.11	72.931		
16,300.00	7,256.03	6,792.00	6,495.64	265.65	36.87	-75.21	-2,451.69	406.31	8,781.31	8,662.16	119.15	73.702		
16,400.00	7,256.21	6,792.00	6,495.64	268.47	36.87	-75.21	-2,451.69	406.31	8,875.85	8,756.67	119.18	74.474		
16,500.00	7,256.39	6,792.00	6,495.64	271.29	36.87	-75.21	-2,451.69	406.31	8,970.52	8,851.30	119.21	75.247		
16,600.00	7,256.58	6,792.00	6,495.64	274.11	36.87	-75.21	-2,451.69	406.31	9,065.29	8,946.05	119.25	76.021		
16,700.00	7,256.76	6,792.00	6,495.64	276.93	36.87	-75.21	-2,451.69	406.31	9,160.18	9,040.90	119.28	76.795		
16,800.00	7,256.94	6,792.00	6,495.64	279.75	36.87	-75.21	-2,451.69	406.31	9,255.18	9,135.86	119.31	77.570		
16,900.00	7,257.12	6,792.00	6,495.64	282.57	36.87	-75.21	-2,451.69	406.31	9,350.28	9,230.93	119.35	78.346		
17,000.00	7,257.30	6,792.00	6,495.64	285.40	36.87	-75.21	-2,451.69	406.31	9,445.48	9,326.10	119.38	79.122		
17,100.00	7,257.49	6,792.00	6,495.64	288.22	36.87	-75.21	-2,451.69	406.31	9,540.78	9,421.37	119.41	79.899		
17,200.00	7,257.67	6,792.00	6,495.64	291.04	36.87	-75.21	-2,451.69	406.31	9,636.17	9,516.73	119.44	80.676		
17,300.00	7,257.85	6,792.00	6,495.64	293.87	36.87	-75.21	-2,451.69	406.31	9,731.66	9,612.19	119.48	81.453		
17,400.00	7,258.03	6,792.00	6,495.64	296.69	36.87	-75.21	-2,451.69	406.31	9,827.24	9,707.73	119.51	82.231		
17,500.00	7,258.22	6,792.00	6,495.64	299.51	36.87	-75.21	-2,451.69	406.31	9,922.90	9,803.36	119.54	83.009		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 226-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	137.22	-547.92	506.98	746.57					
100.00	100.00	84.65	84.65	3.28	3.29	137.24	-548.23	507.01	746.75	740.18	6.57	113.658		
200.00	200.00	179.75	179.74	3.34	3.30	137.29	-549.33	507.09	747.66	741.01	6.64	112.574		
300.00	299.98	284.05	284.03	3.44	3.36	46.76	-550.92	507.27	747.71	740.90	6.81	109.862		
400.00	399.84	390.19	390.16	3.60	3.49	47.08	-550.71	507.66	744.23	737.14	7.09	104.985		
500.00	499.45	491.84	491.82	3.81	3.66	47.65	-550.22	507.70	737.98	730.52	7.46	98.914		
600.00	598.70	578.22	578.20	4.05	3.84	48.35	-550.10	508.18	730.08	722.20	7.88	92.642		
700.00	697.47	664.51	664.41	4.34	4.04	49.06	-549.79	511.49	721.91	713.54	8.37	86.255		
800.00	795.62	750.86	750.53	4.66	4.28	49.77	-548.89	517.78	713.29	704.37	8.92	79.967		
849.22	843.68	793.70	793.16	4.84	4.40	50.12	-548.35	521.93	708.92	699.71	9.21	76.953		
900.00	893.16	839.82	839.00	5.02	4.54	50.43	-547.74	526.93	704.52	694.99	9.53	73.919		
1,000.00	990.60	935.79	934.31	5.41	4.84	51.04	-546.71	538.11	696.60	686.39	10.21	68.260		
1,100.00	1,088.05	1,042.28	1,040.32	5.83	5.20	51.97	-547.11	548.11	688.54	677.59	10.95	62.893		
1,200.00	1,185.49	1,161.87	1,159.76	6.26	5.62	53.45	-548.49	553.97	678.62	666.86	11.77	57.678		
1,300.00	1,282.93	1,276.41	1,274.28	6.70	6.01	55.19	-548.84	554.96	666.02	653.44	12.58	52.942		
1,400.00	1,380.37	1,377.72	1,375.58	7.15	6.37	56.84	-548.12	554.59	652.44	639.07	13.37	48.783		
1,500.00	1,477.82	1,473.30	1,471.16	7.62	6.71	58.51	-547.73	553.75	639.38	625.21	14.17	45.110		
1,600.00	1,575.26	1,568.32	1,566.18	8.09	7.06	60.22	-547.54	553.07	627.17	612.18	14.99	41.837		
1,700.00	1,672.70	1,665.11	1,662.97	8.57	7.43	61.96	-547.29	553.34	615.99	600.15	15.83	38.905		
1,800.00	1,770.15	1,764.47	1,762.33	9.05	7.82	63.79	-546.64	553.53	605.04	588.34	16.70	36.232		
1,900.00	1,867.59	1,865.90	1,863.75	9.54	8.22	65.70	-545.90	553.96	594.75	577.17	17.58	33.825		
2,000.00	1,965.03	1,992.05	1,989.78	10.03	8.72	68.02	-540.68	554.53	582.06	563.54	18.53	31.416		
2,100.00	2,062.48	2,119.08	2,116.28	10.53	9.23	70.49	-529.41	552.67	564.99	545.55	19.44	29.066		
2,200.00	2,159.92	2,229.85	2,226.11	11.03	9.68	72.92	-515.64	548.65	544.62	524.30	20.32	26.799		
2,300.00	2,257.36	2,336.50	2,331.51	11.53	10.11	75.24	-499.67	545.95	523.01	501.81	21.20	24.666		
2,400.00	2,354.81	2,448.87	2,441.97	12.03	10.58	77.64	-479.08	544.67	499.31	477.25	22.06	22.637		
2,500.00	2,452.25	2,561.87	2,552.14	12.54	11.05	79.97	-453.99	545.31	472.94	450.07	22.87	20.677		
2,600.00	2,549.69	2,673.16	2,659.59	13.04	11.52	82.44	-425.03	546.22	443.53	419.88	23.65	18.753		
2,700.00	2,647.13	2,767.98	2,750.57	13.55	11.93	84.80	-398.35	547.16	412.74	388.19	24.55	16.810		
2,800.00	2,744.58	2,870.12	2,848.31	14.06	12.39	87.98	-368.74	546.60	381.75	356.36	25.38	15.039		
2,900.00	2,842.02	2,963.41	2,937.25	14.57	12.81	91.63	-340.64	544.62	350.66	324.33	26.33	13.317		
3,000.00	2,939.46	3,057.48	3,026.82	15.09	13.24	96.01	-311.96	542.40	320.84	293.54	27.29	11.755		
3,100.00	3,036.91	3,146.71	3,111.79	15.60	13.66	100.98	-284.86	539.92	293.26	264.90	28.36	10.340		
3,200.00	3,134.35	3,242.00	3,202.59	16.11	14.11	107.12	-256.06	537.76	268.57	239.22	29.35	9.151		
3,300.00	3,231.79	3,329.59	3,286.22	16.63	14.52	113.44	-230.04	536.80	247.55	217.07	30.48	8.122		
3,400.00	3,329.24	3,423.85	3,376.61	17.14	14.97	120.93	-203.32	536.41	231.59	200.11	31.48	7.358		
3,500.00	3,426.68	3,513.59	3,462.97	17.66	15.40	128.39	-178.94	537.50	220.45	187.96	32.49	6.785		
3,600.00	3,524.12	3,606.36	3,552.39	18.18	15.84	136.81	-154.26	537.15	215.68	182.29	33.39	6.460		
3,626.52	3,549.97	3,630.91	3,575.99	18.31	15.96	139.16	-147.51	536.78	215.40	181.79	33.61	6.409 CC, ES		
3,700.00	3,621.57	3,695.01	3,637.79	18.69	16.27	145.23	-130.56	535.34	217.66	183.47	34.19	6.366 SF		
3,800.00	3,719.01	3,790.13	3,729.53	19.21	16.73	153.91	-105.62	532.48	226.44	191.52	34.92	6.485		
3,900.00	3,816.45	3,891.91	3,826.88	19.73	17.23	162.94	-75.98	530.74	238.41	202.73	35.68	6.682		
4,000.00	3,913.90	3,988.37	3,918.47	20.25	17.71	170.97	-45.72	531.48	252.71	216.29	36.43	6.937		
4,100.00	4,011.34	4,082.68	4,007.85	20.77	18.18	178.04	-15.68	533.01	270.75	233.58	37.18	7.283		
4,200.00	4,108.78	4,172.96	4,093.94	21.29	18.63	-176.35	11.48	534.36	292.53	254.65	37.89	7.721		
4,300.00	4,206.22	4,265.21	4,182.50	21.81	19.09	-171.76	37.29	534.85	317.56	278.90	38.66	8.214		
4,400.00	4,303.67	4,356.80	4,270.77	22.33	19.54	-168.08	61.72	534.69	344.73	305.29	39.44	8.740		
4,500.00	4,401.11	4,445.20	4,356.01	22.85	19.98	-165.07	85.13	533.61	374.04	333.87	40.17	9.311		
4,600.00	4,498.55	4,533.21	4,440.57	23.37	20.42	-162.39	109.42	531.45	405.73	364.83	40.90	9.920		
4,700.00	4,596.00	4,625.30	4,529.08	23.89	20.89	-160.04	134.65	528.33	438.95	397.20	41.75	10.514		
4,800.00	4,693.44	4,718.38	4,618.27	24.41	21.36	-157.84	161.13	525.68	472.70	430.07	42.63	11.089		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 226-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,790.88	4,809.26	4,705.44	24.93	21.82	-156.03	186.66	522.87	507.05	463.58	43.47	11.664		
5,000.00	4,888.33	4,913.64	4,805.09	25.46	22.35	-153.98	217.65	520.90	541.57	496.95	44.62	12.138		
5,100.00	4,985.77	5,005.32	4,892.92	25.98	22.82	-152.43	243.92	520.56	574.75	529.26	45.49	12.635		
5,200.00	5,083.21	5,096.59	4,980.50	26.50	23.28	-151.14	269.62	519.14	609.00	562.64	46.36	13.136		
5,300.00	5,180.66	5,189.39	5,069.65	27.02	23.75	-150.01	295.29	517.39	643.55	596.28	47.26	13.616		
5,400.00	5,278.10	5,289.58	5,166.04	27.55	24.26	-148.96	322.58	515.64	677.97	629.66	48.31	14.032		
5,500.00	5,375.54	5,394.72	5,267.52	28.07	24.79	-148.00	350.06	514.86	711.19	661.74	49.44	14.384		
5,582.90	5,456.32	5,460.74	5,331.45	28.50	25.12	-147.53	366.50	513.97	738.70	688.70	49.99	14.776		
5,600.00	5,473.00	5,473.85	5,344.11	28.59	25.19	-147.50	369.87	513.69	744.52	694.42	50.10	14.862		
5,700.00	5,570.93	5,559.00	5,426.20	29.10	25.62	-147.19	392.41	511.30	777.90	727.05	50.84	15.300		
5,800.00	5,669.52	5,647.16	5,511.05	29.57	26.07	-146.77	416.13	508.30	809.36	757.73	51.63	15.676		
5,900.00	5,768.62	5,744.37	5,604.63	30.03	26.56	-146.20	442.15	504.34	838.66	786.09	52.57	15.953		
6,000.00	5,868.13	5,835.66	5,692.53	30.45	27.03	-145.58	466.56	500.98	865.07	811.69	53.38	16.205		
6,100.00	5,967.93	5,926.48	5,779.48	30.86	27.50	-144.77	492.63	498.06	889.76	835.58	54.18	16.424		
6,200.00	6,067.88	6,024.91	5,873.52	31.24	28.01	-143.73	521.55	495.32	912.15	857.05	55.10	16.554		
6,232.12	6,100.00	6,058.00	5,905.15	31.36	28.18	-52.64	531.24	494.52	918.74	863.32	55.42	16.578		
6,300.00	6,167.88	6,149.82	5,993.25	31.61	28.66	-51.40	557.08	493.31	931.50	875.03	56.47	16.494		
6,400.00	6,267.88	6,236.99	6,077.24	31.97	29.10	-50.33	580.37	492.11	949.79	892.61	57.18	16.612		
6,500.00	6,367.88	6,314.92	6,152.18	32.34	29.50	-49.42	601.64	490.06	969.77	912.06	57.71	16.804		
6,600.00	6,467.88	6,400.70	6,234.20	32.70	29.95	-48.40	626.60	487.39	991.67	933.28	58.39	16.984		
6,700.00	6,567.88	6,535.88	6,363.66	33.07	30.66	-46.81	665.40	485.21	1,012.72	952.78	59.94	16.895		
6,736.50	6,604.38	6,567.66	6,394.24	33.21	30.82	-46.45	674.06	485.11	1,019.77	959.57	60.20	16.939		
6,750.00	6,617.88	6,579.44	6,405.58	33.25	30.88	40.62	677.23	485.00	1,022.31	962.01	60.30	16.955		
6,800.00	6,667.77	6,621.66	6,446.28	33.43	31.10	40.68	688.43	484.26	1,030.06	969.44	60.62	16.993		
6,850.00	6,717.28	6,657.96	6,481.20	33.60	31.28	40.90	698.29	483.39	1,035.44	974.61	60.83	17.021		
6,900.00	6,766.09	6,693.65	6,515.42	33.79	31.47	41.35	708.42	482.43	1,038.60	977.57	61.04	17.016		
6,950.00	6,813.90	6,756.26	6,575.26	33.99	31.79	42.64	726.75	481.21	1,039.29	977.55	61.73	16.835		
7,000.00	6,860.42	7,418.21	7,104.79	34.20	34.39	72.46	910.12	778.97	1,028.79	964.81	63.98	16.080		
7,050.00	6,905.36	7,445.70	7,119.68	34.42	34.46	75.92	914.92	801.58	1,009.56	944.73	64.83	15.572		
7,100.00	6,948.45	7,451.94	7,122.97	34.67	34.47	78.00	915.97	806.78	991.49	925.73	65.76	15.078		
7,150.00	6,989.41	7,446.11	7,119.90	34.94	34.46	79.19	914.99	801.92	974.86	908.21	66.65	14.627		
7,200.00	7,028.00	7,432.84	7,112.80	35.24	34.42	79.78	912.71	790.95	959.79	892.33	67.46	14.228		
7,250.00	7,063.98	7,414.72	7,102.86	35.56	34.38	79.90	909.49	776.14	946.32	878.16	68.16	13.883		
7,300.00	7,097.13	7,393.29	7,090.74	35.92	34.32	79.67	905.54	758.91	934.46	865.70	68.76	13.591		
7,350.00	7,127.23	7,369.57	7,076.87	36.32	34.27	79.17	900.98	740.21	924.15	854.91	69.24	13.347		
7,400.00	7,154.12	7,343.82	7,061.24	36.75	34.20	78.41	895.82	720.41	915.33	845.70	69.63	13.146		
7,450.00	7,177.61	7,317.68	7,044.71	37.22	34.13	77.52	890.37	700.92	907.92	837.98	69.94	12.981		
7,500.00	7,197.57	7,291.30	7,027.36	37.73	34.05	76.51	884.66	681.88	901.84	831.65	70.19	12.848		
7,550.00	7,213.88	7,266.87	7,010.71	38.28	33.99	75.52	879.19	664.86	897.00	826.57	70.42	12.737		
7,600.00	7,226.42	7,245.90	6,995.96	38.87	33.92	74.64	874.45	650.73	893.40	822.70	70.70	12.636		
7,650.00	7,235.13	7,224.30	6,980.34	39.48	33.85	73.65	869.56	636.64	890.98	820.00	70.98	12.553		
7,700.00	7,239.95	7,202.17	6,963.89	40.12	33.78	72.57	864.54	622.72	889.61	818.35	71.26	12.485		
7,734.53	7,241.00	7,734.53	6,932.42	40.57	35.74	70.44	854.64	599.35	889.06	815.20	73.86	12.037		
7,735.44	7,241.00	7,198.44	6,961.13	40.59	33.78	72.40	863.55	620.40	889.15	817.46	71.70	12.402		
7,800.00	7,241.11	7,121.73	6,901.12	41.47	33.51	68.30	844.87	576.49	890.02	819.01	71.01	12.533		
7,900.00	7,241.27	7,055.36	6,847.10	42.96	33.25	64.55	824.78	543.64	896.20	825.39	70.81	12.656		
8,000.00	7,241.44	7,016.84	6,814.68	44.59	33.08	62.30	811.93	527.30	911.07	839.84	71.22	12.791		
8,100.00	7,241.61	6,991.00	6,792.52	46.34	32.97	60.76	802.90	517.54	935.07	863.17	71.91	13.004		
8,200.00	7,241.77	6,991.00	6,792.52	48.20	32.97	60.76	802.90	517.54	968.46	895.22	73.24	13.223		
8,300.00	7,241.94	6,959.18	6,764.69	50.16	32.82	58.84	791.62	507.02	1,009.54	936.11	73.44	13.747		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 226-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
8,400.00	7,242.11	6,947.67	6,754.46	52.20	32.76	58.15	787.57	503.66	1,058.51	984.43	74.08	14.289					
8,500.00	7,242.27	6,937.72	6,745.54	54.31	32.72	57.55	784.08	500.94	1,114.06	1,039.46	74.60	14.933					
8,600.00	7,242.44	6,929.04	6,737.72	56.49	32.67	57.02	781.05	498.72	1,175.32	1,100.31	75.01	15.669					
8,700.00	7,242.60	6,898.00	6,709.41	58.73	32.52	55.15	770.32	491.89	1,242.13	1,167.38	74.74	16.618					
8,800.00	7,242.77	6,898.00	6,709.41	61.03	32.52	55.15	770.32	491.89	1,312.13	1,236.97	75.16	17.458					
8,900.00	7,242.94	6,898.00	6,709.41	63.37	32.52	55.15	770.32	491.89	1,385.81	1,310.35	75.46	18.364					
9,000.00	7,243.10	6,898.00	6,709.41	65.75	32.52	55.15	770.32	491.89	1,462.62	1,386.94	75.68	19.326					
9,100.00	7,243.27	6,898.00	6,709.41	68.18	32.52	55.15	770.32	491.89	1,542.10	1,466.26	75.83	20.336					
9,200.00	7,243.44	6,898.00	6,709.41	70.63	32.52	55.15	770.32	491.89	1,623.84	1,547.91	75.93	21.386					
9,300.00	7,243.60	6,898.00	6,709.41	73.12	32.52	55.15	770.32	491.89	1,707.53	1,631.54	75.99	22.470					
9,400.00	7,243.77	6,898.00	6,709.41	75.63	32.52	55.15	770.32	491.89	1,792.89	1,716.87	76.02	23.585					
9,500.00	7,243.94	6,898.00	6,709.41	78.17	32.52	55.15	770.32	491.89	1,879.69	1,803.67	76.02	24.725					
9,600.00	7,244.10	6,898.00	6,709.41	80.73	32.52	55.15	770.32	491.89	1,967.75	1,891.74	76.01	25.887					
9,700.00	7,244.27	6,898.00	6,709.41	83.31	32.52	55.15	770.32	491.89	2,056.90	1,980.91	75.99	27.068					
9,800.00	7,244.44	6,898.00	6,709.41	85.91	32.52	55.15	770.32	491.89	2,147.01	2,071.05	75.96	28.265					
9,900.00	7,244.60	6,898.00	6,709.41	88.53	32.52	55.15	770.32	491.89	2,237.95	2,162.03	75.92	29.477					
10,000.00	7,244.77	6,898.00	6,709.41	91.16	32.52	55.15	770.32	491.89	2,329.64	2,253.76	75.88	30.701					
10,100.00	7,244.94	6,898.00	6,709.41	93.81	32.52	55.15	770.32	491.89	2,421.99	2,346.15	75.84	31.936					
10,200.00	7,245.10	6,898.00	6,709.41	96.46	32.52	55.15	770.32	491.89	2,514.92	2,439.13	75.79	33.181					
10,300.00	7,245.27	6,898.00	6,709.41	99.14	32.52	55.15	770.32	491.89	2,608.37	2,532.63	75.75	34.435					
10,400.00	7,245.43	6,898.00	6,709.41	101.82	32.52	55.15	770.32	491.89	2,702.30	2,626.59	75.70	35.695					
10,500.00	7,245.60	6,898.00	6,709.41	104.51	32.52	55.15	770.32	491.89	2,796.64	2,720.98	75.66	36.963					
10,600.00	7,245.77	6,858.43	6,672.62	107.21	32.32	52.80	757.18	485.69	2,889.60	2,814.39	75.21	38.420					
10,700.00	7,245.93	6,856.89	6,671.17	109.92	32.31	52.70	756.69	485.50	2,984.54	2,909.38	75.16	39.707					
10,800.00	7,246.10	6,855.42	6,669.79	112.64	32.31	52.62	756.22	485.33	3,079.80	3,004.68	75.12	40.998					
10,900.00	7,246.27	6,854.02	6,668.47	115.37	32.30	52.54	755.77	485.17	3,175.34	3,100.26	75.08	42.293					
11,000.00	7,246.43	6,852.70	6,667.22	118.10	32.29	52.46	755.35	485.02	3,271.14	3,196.10	75.04	43.591					
11,100.00	7,246.60	6,851.43	6,666.03	120.84	32.29	52.38	754.95	484.88	3,367.19	3,292.18	75.01	44.892					
11,200.00	7,246.77	6,850.23	6,664.90	123.58	32.28	52.31	754.57	484.75	3,463.45	3,388.48	74.97	46.196					
11,300.00	7,246.93	6,849.08	6,663.81	126.34	32.27	52.25	754.20	484.63	3,559.92	3,484.98	74.94	47.501					
11,340.34	7,247.00	6,848.63	6,663.39	127.45	32.27	52.22	754.06	484.58	3,598.89	3,523.96	74.93	48.029					
11,400.00	7,247.10	6,847.95	6,662.75	129.09	32.27	49.23	753.85	484.51	3,656.70	3,581.78	74.92	48.809					
11,500.00	7,247.27	6,846.75	6,661.62	131.84	32.26	43.09	753.47	484.39	3,754.19	3,679.29	74.90	50.119					
11,586.15	7,247.43	6,845.65	6,660.58	134.20	32.26	36.38	753.13	484.28	3,838.68	3,763.77	74.90	51.249					
11,600.00	7,247.45	6,845.47	6,660.41	134.57	32.26	36.37	753.07	484.26	3,852.30	3,777.39	74.90	51.430					
11,700.00	7,247.64	6,804.00	6,620.95	137.31	32.04	33.76	740.59	481.72	3,952.37	3,877.80	74.57	53.003					
11,800.00	7,247.82	6,804.00	6,620.95	140.05	32.04	33.76	740.59	481.72	4,050.68	3,976.09	74.59	54.308					
11,900.00	7,248.00	6,804.00	6,620.95	142.79	32.04	33.76	740.59	481.72	4,149.07	4,074.47	74.61	55.613					
12,000.00	7,248.18	6,804.00	6,620.95	145.53	32.04	33.76	740.59	481.72	4,247.54	4,172.92	74.63	56.918					
12,100.00	7,248.37	6,804.00	6,620.95	148.28	32.04	33.76	740.59	481.72	4,346.08	4,271.43	74.65	58.222					
12,200.00	7,248.55	6,804.00	6,620.95	151.04	32.04	33.76	740.59	481.72	4,444.68	4,370.02	74.67	59.526					
12,300.00	7,248.73	6,804.00	6,620.95	153.80	32.04	33.76	740.59	481.72	4,543.35	4,468.66	74.69	60.829					
12,400.00	7,248.91	6,804.00	6,620.95	156.56	32.04	33.76	740.59	481.72	4,642.07	4,567.36	74.71	62.131					
12,500.00	7,249.10	6,804.00	6,620.95	159.32	32.04	33.76	740.59	481.72	4,740.85	4,666.11	74.74	63.432					
12,600.00	7,249.28	6,804.00	6,620.95	162.09	32.04	33.76	740.59	481.72	4,839.67	4,764.91	74.76	64.732					
12,700.00	7,249.46	6,804.00	6,620.95	164.86	32.04	33.76	740.59	481.72	4,938.54	4,863.75	74.79	66.031					
12,800.00	7,249.64	6,804.00	6,620.95	167.63	32.04	33.76	740.59	481.72	5,037.46	4,962.64	74.82	67.329					
12,900.00	7,249.83	6,804.00	6,620.95	170.40	32.04	33.76	740.59	481.72	5,136.42	5,061.57	74.85	68.625					
13,000.00	7,250.01	6,804.00	6,620.95	173.18	32.04	33.76	740.59	481.72	5,235.42	5,160.54	74.88	69.920					
13,100.00	7,250.19	6,804.00	6,620.95	175.96	32.04	33.76	740.59	481.72	5,334.45	5,259.55	74.91	71.213					
13,200.00	7,250.37	6,804.00	6,620.95	178.74	32.04	33.76	740.59	481.72	5,433.53	5,358.59	74.94	72.505					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,300.00	7,250.56	6,804.00	6,620.95	181.52	32.04	33.76	740.59	481.72	5,532.63	5,457.66	74.97	73.795		
13,400.00	7,250.74	6,804.00	6,620.95	184.31	32.04	33.76	740.59	481.72	5,631.77	5,556.76	75.01	75.083		
13,500.00	7,250.92	6,804.00	6,620.95	187.09	32.04	33.76	740.59	481.72	5,730.93	5,655.89	75.04	76.370		
13,600.00	7,251.10	6,804.00	6,620.95	189.88	32.04	33.76	740.59	481.72	5,830.13	5,755.05	75.08	77.654		
13,700.00	7,251.29	6,804.00	6,620.95	192.67	32.04	33.76	740.59	481.72	5,929.35	5,854.23	75.12	78.936		
13,800.00	7,251.47	6,804.00	6,620.95	195.47	32.04	33.76	740.59	481.72	6,028.60	5,953.44	75.15	80.217		
13,900.00	7,251.65	6,804.00	6,620.95	198.26	32.04	33.76	740.59	481.72	6,127.87	6,052.68	75.19	81.495		
14,000.00	7,251.83	6,804.00	6,620.95	201.05	32.04	33.76	740.59	481.72	6,227.17	6,151.93	75.23	82.771		
14,100.00	7,252.01	6,804.00	6,620.95	203.85	32.04	33.76	740.59	481.72	6,326.48	6,251.21	75.28	84.045		
14,200.00	7,252.20	6,804.00	6,620.95	206.65	32.04	33.76	740.59	481.72	6,425.82	6,350.50	75.32	85.316		
14,300.00	7,252.38	6,804.00	6,620.95	209.45	32.04	33.76	740.59	481.72	6,525.18	6,449.82	75.36	86.585		
14,400.00	7,252.56	6,804.00	6,620.95	212.25	32.04	33.76	740.59	481.72	6,624.56	6,549.15	75.41	87.852		
14,500.00	7,252.74	6,804.00	6,620.95	215.05	32.04	33.76	740.59	481.72	6,723.96	6,648.50	75.45	89.116		
14,600.00	7,252.93	6,804.00	6,620.95	217.86	32.04	33.76	740.59	481.72	6,823.37	6,747.87	75.50	90.378		
14,700.00	7,253.11	6,804.00	6,620.95	220.66	32.04	33.76	740.59	481.72	6,922.80	6,847.26	75.55	91.637		
14,800.00	7,253.29	6,804.00	6,620.95	223.47	32.04	33.76	740.59	481.72	7,022.25	6,946.65	75.59	92.893		
14,900.00	7,253.47	6,804.00	6,620.95	226.27	32.04	33.76	740.59	481.72	7,121.71	7,046.07	75.64	94.147		
15,000.00	7,253.66	6,804.00	6,620.95	229.08	32.04	33.76	740.59	481.72	7,221.19	7,145.49	75.70	95.398		
15,100.00	7,253.84	6,804.00	6,620.95	231.89	32.04	33.76	740.59	481.72	7,320.68	7,244.93	75.75	96.647		
15,200.00	7,254.02	6,804.00	6,620.95	234.70	32.04	33.76	740.59	481.72	7,420.19	7,344.39	75.80	97.892		
15,300.00	7,254.20	6,804.00	6,620.95	237.51	32.04	33.76	740.59	481.72	7,519.71	7,443.85	75.85	99.135		
15,400.00	7,254.39	6,804.00	6,620.95	240.32	32.04	33.76	740.59	481.72	7,619.24	7,543.33	75.91	100.375		
15,500.00	7,254.57	6,804.00	6,620.95	243.13	32.04	33.76	740.59	481.72	7,718.78	7,642.82	75.96	101.612		
15,600.00	7,254.75	6,804.00	6,620.95	245.94	32.04	33.76	740.59	481.72	7,818.34	7,742.32	76.02	102.846		
15,700.00	7,254.93	6,804.00	6,620.95	248.76	32.04	33.76	740.59	481.72	7,917.90	7,841.82	76.08	104.078		
15,800.00	7,255.12	6,804.00	6,620.95	251.57	32.04	33.76	740.59	481.72	8,017.48	7,941.34	76.14	105.306		
15,900.00	7,255.30	6,804.00	6,620.95	254.39	32.04	33.76	740.59	481.72	8,117.07	8,040.87	76.19	106.531		
16,000.00	7,255.48	6,804.00	6,620.95	257.20	32.04	33.76	740.59	481.72	8,216.66	8,140.41	76.25	107.753		
16,100.00	7,255.66	6,804.00	6,620.95	260.02	32.04	33.76	740.59	481.72	8,316.27	8,239.96	76.32	108.972		
16,200.00	7,255.85	6,804.00	6,620.95	262.84	32.04	33.76	740.59	481.72	8,415.89	8,339.51	76.38	110.188		
16,300.00	7,256.03	6,804.00	6,620.95	265.65	32.04	33.76	740.59	481.72	8,515.51	8,439.07	76.44	111.401		
16,400.00	7,256.21	6,804.00	6,620.95	268.47	32.04	33.76	740.59	481.72	8,615.15	8,538.64	76.50	112.611		
16,500.00	7,256.39	6,804.00	6,620.95	271.29	32.04	33.76	740.59	481.72	8,714.79	8,638.22	76.57	113.817		
16,600.00	7,256.58	6,804.00	6,620.95	274.11	32.04	33.76	740.59	481.72	8,814.44	8,737.81	76.63	115.020		
16,700.00	7,256.76	6,804.00	6,620.95	276.93	32.04	33.76	740.59	481.72	8,914.10	8,837.40	76.70	116.220		
16,800.00	7,256.94	6,804.00	6,620.95	279.75	32.04	33.76	740.59	481.72	9,013.76	8,937.00	76.77	117.417		
16,900.00	7,257.12	6,804.00	6,620.95	282.57	32.04	33.76	740.59	481.72	9,113.44	9,036.60	76.84	118.610		
17,000.00	7,257.30	6,804.00	6,620.95	285.40	32.04	33.76	740.59	481.72	9,213.12	9,136.21	76.90	119.800		
17,100.00	7,257.49	6,804.00	6,620.95	288.22	32.04	33.76	740.59	481.72	9,312.81	9,235.83	76.97	120.986		
17,200.00	7,257.67	6,804.00	6,620.95	291.04	32.04	33.76	740.59	481.72	9,412.50	9,335.45	77.04	122.170		
17,300.00	7,257.85	6,804.00	6,620.95	293.87	32.04	33.76	740.59	481.72	9,512.20	9,435.08	77.12	123.349		
17,400.00	7,258.03	6,804.00	6,620.95	296.69	32.04	33.76	740.59	481.72	9,611.91	9,534.72	77.19	124.526		
17,500.00	7,258.22	6,804.00	6,620.95	299.51	32.04	33.76	740.59	481.72	9,711.62	9,634.36	77.26	125.699		
17,600.00	7,258.40	6,804.00	6,620.95	302.34	32.04	33.76	740.59	481.72	9,811.34	9,734.00	77.33	126.868		
17,700.00	7,258.58	6,804.00	6,620.95	305.16	32.04	33.76	740.59	481.72	9,911.06	9,833.65	77.41	128.034		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 229-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	136.16	-527.87	506.98	731.99					
100.00	100.00	97.77	97.76	3.28	3.29	136.11	-527.01	507.03	731.37	724.80	6.57	111.279		
200.00	200.00	207.55	207.50	3.34	3.31	135.93	-523.99	507.21	729.50	722.85	6.65	109.667		
300.00	299.98	301.89	301.78	3.44	3.39	45.15	-520.51	507.59	725.92	719.09	6.83	106.345		
400.00	399.84	388.46	388.32	3.60	3.49	45.36	-518.94	508.07	721.32	714.23	7.09	101.751		
500.00	499.45	475.62	475.48	3.81	3.63	45.90	-519.90	508.31	716.20	708.76	7.43	96.332		
600.00	598.70	574.55	574.39	4.05	3.83	46.73	-521.67	509.51	709.88	702.00	7.88	90.133		
700.00	697.47	672.00	671.79	4.34	4.06	47.58	-521.45	512.43	701.03	692.64	8.39	83.556		
800.00	795.62	767.13	766.72	4.66	4.32	48.39	-519.42	518.08	690.49	681.53	8.96	77.031		
849.22	843.68	813.64	813.03	4.84	4.46	48.77	-517.66	522.01	684.70	675.43	9.27	73.878		
900.00	893.16	861.36	860.47	5.02	4.61	49.04	-515.48	526.73	678.64	669.05	9.59	70.750		
1,000.00	990.60	957.75	956.16	5.41	4.92	49.50	-510.77	537.27	667.17	656.90	10.27	64.962		
1,100.00	1,088.05	1,056.30	1,054.14	5.83	5.25	50.11	-507.01	547.15	655.99	645.00	10.99	59.674		
1,200.00	1,185.49	1,168.22	1,165.66	6.26	5.64	51.03	-503.45	555.97	644.05	632.26	11.79	54.641		
1,300.00	1,282.93	1,272.40	1,269.68	6.70	6.02	52.21	-500.94	560.94	630.96	618.37	12.58	50.149		
1,400.00	1,380.37	1,382.26	1,379.50	7.15	6.42	53.87	-499.02	561.79	616.26	602.85	13.41	45.971		
1,500.00	1,477.82	1,478.81	1,476.02	7.62	6.77	55.72	-498.69	559.43	601.38	587.17	14.20	42.339		
1,600.00	1,575.26	1,571.99	1,569.15	8.09	7.10	57.70	-499.35	556.39	587.60	572.59	15.01	39.149		
1,700.00	1,672.70	1,666.37	1,663.52	8.57	7.45	59.65	-499.74	554.85	575.19	559.35	15.84	36.323		
1,800.00	1,770.15	1,765.44	1,762.58	9.05	7.83	61.66	-499.65	554.24	563.58	546.88	16.69	33.762		
1,900.00	1,867.59	1,870.32	1,867.46	9.54	8.24	63.80	-498.58	553.95	552.02	534.44	17.58	31.400		
2,000.00	1,965.03	1,980.78	1,977.85	10.03	8.68	66.09	-494.82	553.25	538.89	520.40	18.49	29.142		
2,100.00	2,062.48	2,093.70	2,090.56	10.53	9.13	68.42	-488.06	552.62	524.22	504.82	19.41	27.013		
2,200.00	2,159.92	2,205.40	2,201.76	11.03	9.59	70.76	-477.62	551.71	507.04	486.73	20.31	24.963		
2,300.00	2,257.36	2,321.00	2,316.39	11.53	10.06	73.18	-462.71	551.07	487.35	466.16	21.20	22.992		
2,400.00	2,354.81	2,424.37	2,418.50	12.03	10.49	75.42	-446.65	550.77	465.94	443.85	22.09	21.092		
2,500.00	2,452.25	2,532.78	2,525.16	12.54	10.94	77.96	-427.27	550.25	442.93	419.97	22.96	19.291		
2,600.00	2,549.69	2,650.97	2,640.51	13.04	11.43	80.97	-401.62	549.57	417.06	393.33	23.73	17.573		
2,700.00	2,647.13	2,776.80	2,760.87	13.55	11.98	84.07	-365.11	551.53	385.19	360.91	24.28	15.862		
2,800.00	2,744.58	2,897.18	2,872.50	14.06	12.52	87.60	-320.17	553.15	345.72	321.06	24.66	14.020		
2,900.00	2,842.02	2,990.28	2,957.06	14.57	12.96	91.18	-281.23	553.85	302.80	277.34	25.47	11.889		
3,000.00	2,939.46	3,072.72	3,032.36	15.09	13.36	95.67	-247.72	552.91	262.30	235.67	26.63	9.851		
3,100.00	3,036.91	3,157.86	3,110.87	15.60	13.77	101.81	-214.81	551.30	226.04	198.22	27.82	8.126		
3,200.00	3,134.35	3,247.63	3,193.71	16.11	14.22	110.41	-180.29	549.25	193.76	164.80	28.95	6.692		
3,300.00	3,231.79	3,332.39	3,272.50	16.63	14.64	120.69	-149.09	547.36	168.84	138.52	30.32	5.568		
3,400.00	3,329.24	3,420.54	3,355.26	17.14	15.08	133.20	-118.79	545.53	154.28	122.79	31.49	4.899		
3,479.27	3,406.48	3,492.07	3,422.87	17.55	15.44	143.94	-95.51	544.25	150.79	118.57	32.22	4.680 CC, ES		
3,500.00	3,426.68	3,510.98	3,440.82	17.66	15.53	146.74	-89.56	544.01	151.02	118.64	32.39	4.663 SF		
3,600.00	3,524.12	3,608.92	3,534.12	18.18	16.02	160.11	-59.80	544.96	156.43	123.32	33.11	4.725		
3,700.00	3,621.57	3,705.28	3,625.62	18.69	16.50	171.99	-29.86	548.74	167.00	133.16	33.84	4.936		
3,800.00	3,719.01	3,793.56	3,708.54	19.21	16.95	-177.73	0.30	551.59	184.84	150.39	34.45	5.365		
3,900.00	3,816.45	3,877.40	3,786.17	19.73	17.39	-168.88	31.94	552.23	211.41	176.52	34.89	6.060		
4,000.00	3,913.90	3,957.66	3,859.15	20.25	17.83	-161.50	65.29	550.76	246.18	211.01	35.18	6.999		
4,100.00	4,011.34	4,034.55	3,927.77	20.77	18.26	-155.55	99.83	547.62	287.82	252.45	35.37	8.137		
4,200.00	4,108.78	4,110.62	3,994.19	21.29	18.70	-150.55	136.65	543.34	335.03	299.41	35.62	9.407		
4,300.00	4,206.22	4,191.57	4,063.93	21.81	19.17	-146.19	177.44	538.40	385.67	349.50	36.18	10.661		
4,400.00	4,303.67	4,286.28	4,146.03	22.33	19.73	-142.28	224.41	533.55	436.68	399.33	37.35	11.690		
4,500.00	4,401.11	4,392.86	4,241.33	22.85	20.35	-139.50	271.79	528.26	485.30	446.39	38.91	12.471		
4,600.00	4,498.55	4,507.32	4,346.53	23.37	20.99	-137.65	316.61	523.76	530.32	489.75	40.57	13.071		
4,700.00	4,596.00	4,612.74	4,445.74	23.89	21.57	-136.71	352.06	520.27	571.40	529.54	41.86	13.649		
4,800.00	4,693.44	4,721.13	4,548.86	24.41	22.14	-136.15	385.24	516.58	610.71	567.55	43.16	14.151		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 229-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,790.88	4,815.33	4,638.95	24.93	22.63	-135.77	412.65	514.39	648.27	604.16	44.12	14.695		
5,000.00	4,888.33	4,909.57	4,729.17	25.46	23.13	-135.46	439.79	511.99	685.81	640.74	45.07	15.215		
5,100.00	4,985.77	5,004.39	4,819.94	25.98	23.62	-135.16	467.12	509.98	723.09	677.05	46.04	15.705		
5,200.00	5,083.21	5,104.28	4,915.48	26.50	24.15	-134.78	496.26	509.02	759.85	712.75	47.10	16.132		
5,300.00	5,180.66	5,179.88	4,987.25	27.02	24.55	-134.36	520.00	509.56	797.11	749.38	47.73	16.701		
5,400.00	5,278.10	5,255.79	5,058.32	27.55	24.97	-133.78	546.65	510.66	836.47	788.11	48.36	17.296		
5,500.00	5,375.54	5,337.72	5,134.37	28.07	25.43	-133.11	577.09	511.83	877.38	828.26	49.12	17.862		
5,582.90	5,456.32	5,417.90	5,208.66	28.50	25.88	-132.49	607.22	513.03	911.63	861.64	50.00	18.233		
5,600.00	5,473.00	5,438.68	5,228.01	28.59	25.99	-132.46	614.80	513.32	918.55	868.29	50.26	18.276		
5,700.00	5,570.93	5,542.34	5,325.24	29.10	26.57	-132.39	650.70	514.54	956.55	905.14	51.41	18.605		
5,800.00	5,669.52	5,652.17	5,428.62	29.57	27.17	-132.14	687.74	516.05	991.77	939.14	52.63	18.843		
5,900.00	5,768.62	5,743.38	5,514.82	30.03	27.67	-131.89	717.52	517.87	1,023.71	970.21	53.50	19.133		
6,000.00	5,868.13	5,817.78	5,584.98	30.45	28.07	-131.70	742.26	518.62	1,054.72	1,000.65	54.07	19.507		
6,100.00	5,967.93	5,895.12	5,657.34	30.86	28.51	-131.37	769.56	518.83	1,085.70	1,031.04	54.66	19.862		
6,200.00	6,067.88	5,982.44	5,739.00	31.24	29.00	-130.86	800.50	518.29	1,115.48	1,060.06	55.42	20.127		
6,232.12	6,100.00	6,008.50	5,763.32	31.36	29.14	-39.99	809.83	518.05	1,124.82	1,069.19	55.63	20.221		
6,300.00	6,167.88	6,064.70	5,815.67	31.61	29.46	-39.33	830.27	517.43	1,144.79	1,088.72	56.07	20.416		
6,400.00	6,267.88	6,157.76	5,902.36	31.97	29.99	-38.30	864.06	515.68	1,174.95	1,118.02	56.93	20.638		
6,500.00	6,367.88	6,268.08	6,005.86	32.34	30.61	-37.23	902.17	513.20	1,204.13	1,146.04	58.09	20.729		
6,600.00	6,467.88	6,345.42	6,078.57	32.70	31.04	-36.57	928.35	510.16	1,234.01	1,175.36	58.66	21.038		
6,700.00	6,567.88	6,417.58	6,145.98	33.07	31.45	-35.96	953.92	507.12	1,265.57	1,206.44	59.13	21.403		
6,736.50	6,604.38	6,445.00	6,171.43	33.21	31.61	-35.71	964.07	506.09	1,277.54	1,218.21	59.33	21.534		
6,750.00	6,617.88	6,455.87	6,181.50	33.25	31.67	51.16	968.14	505.70	1,281.92	1,222.51	59.41	21.578		
6,800.00	6,667.77	6,496.00	6,218.60	33.43	31.91	50.51	983.36	504.36	1,296.87	1,237.16	59.71	21.719		
6,850.00	6,717.28	6,549.25	6,267.72	33.60	32.21	50.34	1,003.88	502.84	1,309.71	1,249.45	60.26	21.734		
6,900.00	6,766.09	6,641.15	6,353.27	33.79	32.74	51.13	1,037.37	501.02	1,319.17	1,257.67	61.50	21.450		
6,950.00	6,813.90	6,730.98	6,437.75	33.99	33.24	52.33	1,067.89	501.02	1,325.06	1,262.42	62.64	21.154		
7,000.00	6,860.42	7,000.00	6,737.09	34.20	34.58	61.78	1,174.16	587.59	1,320.49	1,254.77	65.72	20.094		
7,050.00	6,905.36	7,146.74	6,803.13	34.42	35.15	65.36	1,197.96	628.94	1,313.72	1,247.00	66.72	19.691		
7,100.00	6,948.45	7,181.84	6,830.87	34.67	35.28	67.38	1,207.83	648.04	1,306.44	1,239.27	67.18	19.447		
7,150.00	6,989.41	7,213.75	6,855.67	34.94	35.40	69.34	1,216.62	666.10	1,299.07	1,231.40	67.66	19.199		
7,200.00	7,028.00	7,234.62	6,871.62	35.24	35.47	70.86	1,222.27	678.31	1,291.92	1,223.81	68.10	18.970		
7,250.00	7,063.98	7,246.51	6,880.61	35.56	35.51	71.96	1,225.45	685.41	1,285.27	1,216.76	68.51	18.759		
7,300.00	7,097.13	7,251.09	6,884.05	35.92	35.53	72.68	1,226.66	688.17	1,279.29	1,210.40	68.89	18.569		
7,350.00	7,127.23	7,249.71	6,883.02	36.32	35.52	73.07	1,226.30	687.34	1,274.08	1,204.84	69.24	18.400		
7,400.00	7,154.12	7,243.45	6,878.31	36.75	35.50	73.17	1,224.63	683.58	1,269.66	1,200.09	69.57	18.250		
7,450.00	7,177.61	7,233.16	6,870.51	37.22	35.47	73.03	1,221.88	677.45	1,266.02	1,196.14	69.88	18.118		
7,500.00	7,197.57	7,219.53	6,860.10	37.73	35.42	72.67	1,218.19	669.44	1,263.11	1,192.93	70.17	18.001		
7,550.00	7,213.88	7,203.10	6,847.45	38.28	35.36	72.15	1,213.71	659.99	1,260.85	1,190.39	70.46	17.895		
7,600.00	7,226.42	7,184.35	6,832.85	38.87	35.29	71.49	1,208.53	649.43	1,259.15	1,188.41	70.74	17.800		
7,650.00	7,235.13	7,163.37	6,816.32	39.48	35.22	70.72	1,202.66	637.91	1,257.91	1,186.88	71.02	17.711		
7,700.00	7,239.95	7,140.14	6,797.87	40.12	35.13	69.85	1,196.09	625.42	1,256.98	1,185.68	71.31	17.628		
7,735.44	7,241.00	7,122.46	6,783.72	40.59	35.06	69.19	1,191.03	616.11	1,256.45	1,184.94	71.50	17.572		
7,759.53	7,241.04	7,110.29	6,773.92	40.92	35.02	68.71	1,187.53	609.79	1,256.27	1,184.63	71.65	17.534		
7,800.00	7,241.11	7,091.37	6,758.61	41.47	34.95	67.96	1,182.04	600.13	1,256.77	1,184.86	71.90	17.479		
7,900.00	7,241.27	7,040.01	6,716.52	42.96	34.74	65.90	1,166.76	574.98	1,262.21	1,189.74	72.46	17.418		
8,000.00	7,241.44	6,995.44	6,679.39	44.59	34.56	64.08	1,152.93	554.58	1,273.78	1,200.64	73.14	17.417		
8,100.00	7,241.61	6,971.29	6,658.92	46.34	34.45	63.08	1,145.25	544.32	1,291.86	1,217.65	74.20	17.409		
8,200.00	7,241.77	6,952.07	6,642.32	48.20	34.36	62.27	1,139.07	536.87	1,316.68	1,241.35	75.32	17.480		
8,300.00	7,241.94	6,935.93	6,628.18	50.16	34.29	61.59	1,133.85	531.11	1,348.01	1,271.59	76.42	17.640		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design				Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH										Offset Site Error:		0.00 ft
Survey Program: 229-MWD+IFR1														Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)					
8,400.00	7,242.11	6,922.22	6,616.03	52.20	34.23	61.01	1,129.38	526.58	1,385.52	1,308.06	77.46	17.887				
8,500.00	7,242.27	6,899.00	6,595.21	54.31	34.12	60.01	1,121.78	519.67	1,428.90	1,350.73	78.17	18.280				
8,600.00	7,242.44	6,899.00	6,595.21	56.49	34.12	60.01	1,121.78	519.67	1,477.35	1,398.10	79.25	18.642				
8,700.00	7,242.60	6,899.00	6,595.21	58.73	34.12	60.01	1,121.78	519.67	1,530.81	1,450.62	80.19	19.090				
8,800.00	7,242.77	6,899.00	6,595.21	61.03	34.12	60.01	1,121.78	519.67	1,588.78	1,507.78	80.99	19.616				
8,900.00	7,242.94	6,899.00	6,595.21	63.37	34.12	60.01	1,121.78	519.67	1,650.77	1,569.09	81.67	20.212				
9,000.00	7,243.10	6,899.00	6,595.21	65.75	34.12	60.01	1,121.78	519.67	1,716.35	1,634.10	82.25	20.869				
9,100.00	7,243.27	6,899.00	6,595.21	68.18	34.12	60.01	1,121.78	519.67	1,785.12	1,702.40	82.72	21.580				
9,200.00	7,243.44	6,899.00	6,595.21	70.63	34.12	60.01	1,121.78	519.67	1,856.74	1,773.63	83.12	22.339				
9,300.00	7,243.60	6,899.00	6,595.21	73.12	34.12	60.01	1,121.78	519.67	1,930.88	1,847.44	83.44	23.141				
9,400.00	7,243.77	6,859.95	6,559.43	75.63	33.92	58.33	1,109.06	510.61	2,005.29	1,922.17	83.12	24.125				
9,500.00	7,243.94	6,856.84	6,556.54	78.17	33.91	58.19	1,108.05	510.04	2,083.34	2,000.03	83.31	25.008				
9,600.00	7,244.10	6,853.98	6,553.88	80.73	33.89	58.07	1,107.13	509.54	2,163.17	2,079.71	83.46	25.919				
9,700.00	7,244.27	6,851.35	6,551.43	83.31	33.88	57.95	1,106.29	509.09	2,244.59	2,161.02	83.58	26.857				
9,800.00	7,244.44	6,848.91	6,549.16	85.91	33.87	57.85	1,105.50	508.69	2,327.45	2,243.79	83.67	27.818				
9,900.00	7,244.60	6,846.65	6,547.05	88.53	33.86	57.75	1,104.78	508.33	2,411.60	2,327.86	83.74	28.799				
10,000.00	7,244.77	6,844.55	6,545.09	91.16	33.85	57.66	1,104.11	508.00	2,496.90	2,413.11	83.79	29.799				
10,100.00	7,244.94	6,805.00	6,507.81	93.81	33.64	55.96	1,091.61	503.83	2,585.12	2,501.79	83.32	31.025				
10,200.00	7,245.10	6,805.00	6,507.81	96.46	33.64	55.96	1,091.61	503.83	2,672.23	2,588.85	83.38	32.048				
10,300.00	7,245.27	6,805.00	6,507.81	99.14	33.64	55.96	1,091.61	503.83	2,760.22	2,676.79	83.43	33.084				
10,400.00	7,245.43	6,805.00	6,507.81	101.82	33.64	55.96	1,091.61	503.83	2,849.00	2,765.54	83.46	34.134				
10,500.00	7,245.60	6,805.00	6,507.81	104.51	33.64	55.96	1,091.61	503.83	2,938.50	2,855.01	83.49	35.196				
10,600.00	7,245.77	6,805.00	6,507.81	107.21	33.64	55.96	1,091.61	503.83	3,028.66	2,945.15	83.51	36.268				
10,700.00	7,245.93	6,805.00	6,507.81	109.92	33.64	55.96	1,091.61	503.83	3,119.42	3,035.90	83.52	37.349				
10,800.00	7,246.10	6,805.00	6,507.81	112.64	33.64	55.96	1,091.61	503.83	3,210.73	3,127.20	83.53	38.439				
10,900.00	7,246.27	6,805.00	6,507.81	115.37	33.64	55.96	1,091.61	503.83	3,302.54	3,219.01	83.53	39.537				
11,000.00	7,246.43	6,805.00	6,507.81	118.10	33.64	55.96	1,091.61	503.83	3,394.81	3,311.28	83.53	40.642				
11,100.00	7,246.60	6,805.00	6,507.81	120.84	33.64	55.96	1,091.61	503.83	3,487.51	3,403.99	83.53	41.754				
11,200.00	7,246.77	6,805.00	6,507.81	123.58	33.64	55.96	1,091.61	503.83	3,580.61	3,497.08	83.52	42.871				
11,300.00	7,246.93	6,805.00	6,507.81	126.34	33.64	55.96	1,091.61	503.83	3,674.06	3,590.55	83.51	43.994				
11,340.34	7,247.00	6,805.00	6,507.81	127.45	33.64	55.96	1,091.61	503.83	3,711.86	3,628.35	83.51	44.448				
11,400.00	7,247.10	6,805.00	6,507.81	129.09	33.64	54.06	1,091.61	503.83	3,768.03	3,684.52	83.51	45.122				
11,500.00	7,247.27	6,805.00	6,507.81	131.84	33.64	50.30	1,091.61	503.83	3,863.11	3,779.61	83.51	46.260				
11,586.15	7,247.43	6,805.00	6,507.81	134.20	33.64	46.36	1,091.61	503.83	3,945.85	3,862.33	83.52	47.247				
11,600.00	7,247.45	6,805.00	6,507.81	134.57	33.64	46.36	1,091.61	503.83	3,959.21	3,875.69	83.52	47.406				
11,700.00	7,247.64	6,805.00	6,507.81	137.31	33.64	46.36	1,091.61	503.83	4,055.74	3,972.21	83.53	48.556				
11,800.00	7,247.82	6,805.00	6,507.81	140.05	33.64	46.36	1,091.61	503.83	4,152.44	4,068.90	83.54	49.708				
11,900.00	7,248.00	6,805.00	6,507.81	142.79	33.64	46.36	1,091.61	503.83	4,249.29	4,165.75	83.55	50.861				
12,000.00	7,248.18	6,805.00	6,507.81	145.53	33.64	46.36	1,091.61	503.83	4,346.29	4,262.73	83.56	52.016				
12,100.00	7,248.37	6,805.00	6,507.81	148.28	33.64	46.36	1,091.61	503.83	4,443.41	4,359.85	83.57	53.172				
12,200.00	7,248.55	6,805.00	6,507.81	151.04	33.64	46.36	1,091.61	503.83	4,540.67	4,457.09	83.58	54.329				
12,300.00	7,248.73	6,805.00	6,507.81	153.80	33.64	46.36	1,091.61	503.83	4,638.03	4,554.45	83.59	55.487				
12,400.00	7,248.91	6,805.00	6,507.81	156.56	33.64	46.36	1,091.61	503.83	4,735.51	4,651.91	83.60	56.645				
12,500.00	7,249.10	6,805.00	6,507.81	159.32	33.64	46.36	1,091.61	503.83	4,833.10	4,749.48	83.61	57.804				
12,600.00	7,249.28	6,805.00	6,507.81	162.09	33.64	46.36	1,091.61	503.83	4,930.77	4,847.15	83.63	58.963				
12,700.00	7,249.46	6,805.00	6,507.81	164.86	33.64	46.36	1,091.61	503.83	5,028.54	4,944.91	83.64	60.122				
12,800.00	7,249.64	6,805.00	6,507.81	167.63	33.64	46.36	1,091.61	503.83	5,126.40	5,042.75	83.65	61.281				
12,900.00	7,249.83	6,805.00	6,507.81	170.40	33.64	46.36	1,091.61	503.83	5,224.34	5,140.67	83.67	62.440				
13,000.00	7,250.01	6,805.00	6,507.81	173.18	33.64	46.36	1,091.61	503.83	5,322.35	5,238.67	83.69	63.599				
13,100.00	7,250.19	6,805.00	6,507.81	175.96	33.64	46.36	1,091.61	503.83	5,420.44	5,336.73	83.70	64.758				
13,200.00	7,250.37	6,805.00	6,507.81	178.74	33.64	46.36	1,091.61	503.83	5,518.59	5,434.87	83.72	65.916				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 229-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,300.00	7,250.56	6,805.00	6,507.81	181.52	33.64	46.36	1,091.61	503.83	5,616.81	5,533.07	83.74	67.073		
13,400.00	7,250.74	6,805.00	6,507.81	184.31	33.64	46.36	1,091.61	503.83	5,715.10	5,631.33	83.76	68.230		
13,500.00	7,250.92	6,805.00	6,507.81	187.09	33.64	46.36	1,091.61	503.83	5,813.44	5,729.65	83.78	69.387		
13,600.00	7,251.10	6,805.00	6,507.81	189.88	33.64	46.36	1,091.61	503.83	5,911.83	5,828.03	83.81	70.542		
13,700.00	7,251.29	6,805.00	6,507.81	192.67	33.64	46.36	1,091.61	503.83	6,010.28	5,926.45	83.83	71.697		
13,800.00	7,251.47	6,805.00	6,507.81	195.47	33.64	46.36	1,091.61	503.83	6,108.78	6,024.93	83.85	72.851		
13,900.00	7,251.65	6,805.00	6,507.81	198.26	33.64	46.36	1,091.61	503.83	6,207.33	6,123.45	83.88	74.003		
14,000.00	7,251.83	6,805.00	6,507.81	201.05	33.64	46.36	1,091.61	503.83	6,305.92	6,222.02	83.91	75.155		
14,100.00	7,252.01	6,805.00	6,507.81	203.85	33.64	46.36	1,091.61	503.83	6,404.56	6,320.63	83.93	76.306		
14,200.00	7,252.20	6,805.00	6,507.81	206.65	33.64	46.36	1,091.61	503.83	6,503.24	6,419.28	83.96	77.455		
14,300.00	7,252.38	6,805.00	6,507.81	209.45	33.64	46.36	1,091.61	503.83	6,601.96	6,517.96	83.99	78.603		
14,400.00	7,252.56	6,805.00	6,507.81	212.25	33.64	46.36	1,091.61	503.83	6,700.71	6,616.69	84.02	79.750		
14,500.00	7,252.74	6,805.00	6,507.81	215.05	33.64	46.36	1,091.61	503.83	6,799.50	6,715.45	84.05	80.896		
14,600.00	7,252.93	6,805.00	6,507.81	217.86	33.64	46.36	1,091.61	503.83	6,898.33	6,814.25	84.09	82.040		
14,700.00	7,253.11	6,805.00	6,507.81	220.66	33.64	46.36	1,091.61	503.83	6,997.19	6,913.07	84.12	83.182		
14,800.00	7,253.29	6,805.00	6,507.81	223.47	33.64	46.36	1,091.61	503.83	7,096.09	7,011.93	84.15	84.323		
14,900.00	7,253.47	6,805.00	6,507.81	226.27	33.64	46.36	1,091.61	503.83	7,195.01	7,110.82	84.19	85.463		
15,000.00	7,253.66	6,805.00	6,507.81	229.08	33.64	46.36	1,091.61	503.83	7,293.96	7,209.74	84.23	86.600		
15,100.00	7,253.84	6,805.00	6,507.81	231.89	33.64	46.36	1,091.61	503.83	7,392.94	7,308.68	84.26	87.737		
15,200.00	7,254.02	6,805.00	6,507.81	234.70	33.64	46.36	1,091.61	503.83	7,491.95	7,407.65	84.30	88.871		
15,300.00	7,254.20	6,805.00	6,507.81	237.51	33.64	46.36	1,091.61	503.83	7,590.98	7,506.64	84.34	90.004		
15,400.00	7,254.39	6,805.00	6,507.81	240.32	33.64	46.36	1,091.61	503.83	7,690.04	7,605.66	84.38	91.135		
15,500.00	7,254.57	6,805.00	6,507.81	243.13	33.64	46.36	1,091.61	503.83	7,789.13	7,704.70	84.42	92.264		
15,600.00	7,254.75	6,805.00	6,507.81	245.94	33.64	46.36	1,091.61	503.83	7,888.23	7,803.77	84.46	93.391		
15,700.00	7,254.93	6,805.00	6,507.81	248.76	33.64	46.36	1,091.61	503.83	7,987.36	7,902.85	84.51	94.516		
15,800.00	7,255.12	6,805.00	6,507.81	251.57	33.64	46.36	1,091.61	503.83	8,086.51	8,001.96	84.55	95.640		
15,900.00	7,255.30	6,805.00	6,507.81	254.39	33.64	46.36	1,091.61	503.83	8,185.68	8,101.08	84.60	96.761		
16,000.00	7,255.48	6,805.00	6,507.81	257.20	33.64	46.36	1,091.61	503.83	8,284.87	8,200.23	84.64	97.880		
16,100.00	7,255.66	6,805.00	6,507.81	260.02	33.64	46.36	1,091.61	503.83	8,384.08	8,299.39	84.69	98.998		
16,200.00	7,255.85	6,805.00	6,507.81	262.84	33.64	46.36	1,091.61	503.83	8,483.31	8,398.57	84.74	100.113		
16,300.00	7,256.03	6,805.00	6,507.81	265.65	33.64	46.36	1,091.61	503.83	8,582.56	8,497.77	84.79	101.226		
16,400.00	7,256.21	6,805.00	6,507.81	268.47	33.64	46.36	1,091.61	503.83	8,681.82	8,596.98	84.84	102.337		
16,500.00	7,256.39	6,805.00	6,507.81	271.29	33.64	46.36	1,091.61	503.83	8,781.10	8,696.21	84.89	103.446		
16,600.00	7,256.58	6,805.00	6,507.81	274.11	33.64	46.36	1,091.61	503.83	8,880.40	8,795.46	84.94	104.552		
16,700.00	7,256.76	6,805.00	6,507.81	276.93	33.64	46.36	1,091.61	503.83	8,979.71	8,894.72	84.99	105.656		
16,800.00	7,256.94	6,805.00	6,507.81	279.75	33.64	46.36	1,091.61	503.83	9,079.04	8,993.99	85.04	106.759		
16,900.00	7,257.12	6,805.00	6,507.81	282.57	33.64	46.36	1,091.61	503.83	9,178.38	9,093.28	85.10	107.858		
17,000.00	7,257.30	6,805.00	6,507.81	285.40	33.64	46.36	1,091.61	503.83	9,277.73	9,192.58	85.15	108.956		
17,100.00	7,257.49	6,805.00	6,507.81	288.22	33.64	46.36	1,091.61	503.83	9,377.10	9,291.90	85.21	110.051		
17,200.00	7,257.67	6,805.00	6,507.81	291.04	33.64	46.36	1,091.61	503.83	9,476.49	9,391.22	85.26	111.144		
17,300.00	7,257.85	6,805.00	6,507.81	293.87	33.64	46.36	1,091.61	503.83	9,575.88	9,490.56	85.32	112.234		
17,400.00	7,258.03	6,805.00	6,507.81	296.69	33.64	46.36	1,091.61	503.83	9,675.29	9,589.91	85.38	113.322		
17,500.00	7,258.22	6,805.00	6,507.81	299.51	33.64	46.36	1,091.61	503.83	9,774.71	9,689.27	85.44	114.408		
17,600.00	7,258.40	6,805.00	6,507.81	302.34	33.64	46.36	1,091.61	503.83	9,874.14	9,788.64	85.50	115.491		
17,700.00	7,258.58	6,805.00	6,507.81	305.16	33.64	46.36	1,091.61	503.83	9,973.58	9,888.03	85.56	116.571		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.36	-75.05	-0.83	75.06					
100.00	100.00	100.00	100.00	3.28	3.28	-179.36	-75.05	-0.83	75.06	68.49	6.57	11.425		
200.00	200.00	200.00	200.00	3.34	3.34	-179.36	-75.05	-0.83	75.06	68.38	6.67	11.246		
223.49	223.49	223.49	223.49	3.36	3.36	90.00	-75.05	-0.83	75.06	68.34	6.71	11.178 CC		
300.00	299.98	299.98	299.98	3.44	3.44	91.26	-75.05	-0.83	75.07	68.19	6.89	10.900 ES		
400.00	399.84	398.54	398.52	3.60	3.60	94.05	-76.02	0.55	76.22	69.02	7.19	10.594		
500.00	499.45	497.11	496.96	3.81	3.79	97.00	-78.94	4.72	79.54	71.95	7.59	10.479		
600.00	598.70	595.65	595.12	4.05	4.02	99.86	-83.79	11.65	85.09	77.02	8.07	10.542		
700.00	697.47	694.07	692.83	4.34	4.28	102.45	-90.57	21.33	92.84	84.22	8.63	10.763		
800.00	795.62	792.34	789.92	4.66	4.58	104.66	-99.26	33.74	102.78	93.53	9.25	11.110		
849.22	843.68	840.64	837.43	4.84	4.74	105.59	-104.22	40.83	108.46	98.88	9.59	11.316		
900.00	893.16	890.42	886.25	5.02	4.92	106.35	-109.83	48.83	114.73	104.79	9.94	11.539		
1,000.00	990.60	988.35	981.74	5.41	5.28	106.53	-122.26	66.58	127.85	117.16	10.69	11.959		
1,100.00	1,088.05	1,087.24	1,077.70	5.83	5.68	105.88	-135.97	86.16	141.58	130.09	11.49	12.321		
1,200.00	1,185.49	1,186.28	1,173.80	6.26	6.11	105.33	-149.71	105.79	155.33	143.01	12.33	12.600		
1,300.00	1,282.93	1,285.32	1,269.90	6.70	6.55	104.87	-163.45	125.41	169.10	155.90	13.20	12.814		
1,400.00	1,380.37	1,384.35	1,365.99	7.15	7.00	104.47	-177.19	145.04	182.88	168.79	14.09	12.980		
1,500.00	1,477.82	1,483.39	1,462.09	7.62	7.47	103.14	-190.94	164.67	196.66	181.66	15.00	13.109		
1,600.00	1,575.26	1,582.43	1,558.19	8.09	7.94	103.84	-204.68	184.29	210.45	194.51	15.93	13.209		
1,700.00	1,672.70	1,681.47	1,654.29	8.57	8.43	103.59	-218.42	203.92	224.24	207.36	16.88	13.288		
1,800.00	1,770.15	1,780.51	1,750.38	9.05	8.91	103.36	-232.16	223.55	238.03	220.20	17.83	13.349		
1,900.00	1,867.59	1,879.55	1,846.48	9.54	9.41	103.16	-245.91	243.17	251.83	233.04	18.80	13.398		
2,000.00	1,965.03	1,978.59	1,942.58	10.03	9.91	102.98	-259.65	262.80	265.64	245.87	19.77	13.436		
2,100.00	2,062.48	2,077.63	2,038.68	10.53	10.41	102.82	-273.39	282.43	279.44	258.69	20.75	13.466		
2,200.00	2,159.92	2,176.67	2,134.77	11.03	10.92	102.67	-287.14	302.05	293.25	271.51	21.74	13.489		
2,300.00	2,257.36	2,275.71	2,230.87	11.53	11.43	102.53	-300.88	321.68	307.06	284.32	22.73	13.507		
2,400.00	2,354.81	2,374.75	2,326.97	12.03	11.94	102.41	-314.62	341.31	320.87	297.14	23.73	13.521		
2,500.00	2,452.25	2,473.79	2,423.07	12.54	12.46	102.30	-328.36	360.93	334.68	309.95	24.73	13.532		
2,600.00	2,549.69	2,572.83	2,519.16	13.04	12.98	102.19	-342.11	380.56	348.49	322.75	25.74	13.540		
2,700.00	2,647.13	2,671.87	2,615.26	13.55	13.49	102.10	-355.85	400.19	362.30	335.56	26.75	13.545		
2,800.00	2,744.58	2,770.91	2,711.36	14.06	14.01	102.01	-369.59	419.82	376.12	348.36	27.76	13.549		
2,900.00	2,842.02	2,869.95	2,807.46	14.57	14.54	101.93	-383.34	439.44	389.93	361.16	28.77	13.551		
3,000.00	2,939.46	2,968.99	2,903.56	15.09	15.06	101.85	-397.08	459.07	403.75	373.96	29.79	13.552		
3,100.00	3,036.91	3,068.03	2,999.65	15.60	15.58	101.78	-410.82	478.70	417.57	386.76	30.81	13.552		
3,200.00	3,134.35	3,167.07	3,095.75	16.11	16.11	101.71	-424.56	498.32	431.39	399.55	31.83	13.552		
3,300.00	3,231.79	3,266.11	3,191.85	16.63	16.64	101.65	-438.31	517.95	445.20	412.35	32.86	13.550		
3,400.00	3,329.24	3,365.15	3,287.95	17.14	17.16	101.59	-452.05	537.58	459.02	425.14	33.88	13.548		
3,500.00	3,426.68	3,464.19	3,384.04	17.66	17.69	101.53	-465.79	557.20	472.84	437.93	34.91	13.546		
3,600.00	3,524.12	3,563.23	3,480.14	18.18	18.22	101.48	-479.54	576.83	486.66	450.73	35.93	13.543		
3,700.00	3,621.57	3,662.26	3,576.24	18.69	18.75	101.43	-493.28	596.46	500.48	463.52	36.96	13.540		
3,800.00	3,719.01	3,761.30	3,672.34	19.21	19.28	101.38	-507.02	616.08	514.30	476.31	37.99	13.537		
3,900.00	3,816.45	3,860.34	3,768.43	19.73	19.81	101.34	-520.76	635.71	528.12	489.10	39.02	13.534		
4,000.00	3,913.90	3,959.38	3,864.53	20.25	20.34	101.30	-534.51	655.34	541.94	501.89	40.05	13.530		
4,100.00	4,011.34	4,058.42	3,960.63	20.77	20.87	101.26	-548.25	674.96	555.76	514.67	41.09	13.527		
4,200.00	4,108.78	4,157.46	4,056.73	21.29	21.40	101.22	-561.99	694.59	569.58	527.46	42.12	13.523		
4,300.00	4,206.22	4,256.50	4,152.83	21.81	21.94	101.18	-575.73	714.22	583.40	540.25	43.15	13.519		
4,400.00	4,303.67	4,355.54	4,248.92	22.33	22.47	101.15	-589.48	733.84	597.23	553.04	44.19	13.515		
4,500.00	4,401.11	4,454.58	4,345.02	22.85	23.00	101.11	-603.22	753.47	611.05	565.82	45.22	13.511		
4,600.00	4,498.55	4,553.62	4,441.12	23.37	23.53	101.08	-616.96	773.10	624.87	578.61	46.26	13.508		
4,700.00	4,596.00	4,652.66	4,537.22	23.89	24.07	101.05	-630.71	792.72	638.69	591.39	47.30	13.504		
4,800.00	4,693.44	4,751.70	4,633.31	24.41	24.60	101.02	-644.45	812.35	652.51	604.18	48.33	13.500		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,790.88	4,850.74	4,729.41	24.93	25.14	100.99	-658.19	831.98	666.34	616.96	49.37	13.496		
5,000.00	4,888.33	4,949.78	4,825.51	25.46	25.67	100.97	-671.93	851.60	680.16	629.75	50.41	13.492		
5,100.00	4,985.77	5,048.82	4,921.61	25.98	26.20	100.94	-685.68	871.23	693.98	642.53	51.45	13.489		
5,200.00	5,083.21	5,147.86	5,017.70	26.50	26.74	100.92	-699.42	890.86	707.81	655.32	52.49	13.485		
5,300.00	5,180.66	5,246.90	5,113.80	27.02	27.27	100.89	-713.16	910.48	721.63	668.10	53.53	13.481		
5,400.00	5,278.10	5,345.94	5,209.90	27.55	27.81	100.87	-726.91	930.11	735.45	680.88	54.57	13.478		
5,500.00	5,375.54	5,444.98	5,306.00	28.07	28.34	100.85	-740.65	949.74	749.28	693.67	55.61	13.474		
5,582.90	5,456.32	5,527.08	5,385.66	28.50	28.79	100.83	-752.04	966.01	760.73	704.26	56.47	13.471		
5,600.00	5,473.00	5,544.02	5,402.10	28.59	28.88	100.87	-754.39	969.36	763.09	706.44	56.65	13.471		
5,700.00	5,570.93	5,643.08	5,498.22	29.10	29.42	100.94	-768.14	989.00	776.48	718.81	57.66	13.466		
5,800.00	5,669.52	5,742.08	5,594.28	29.57	29.95	100.76	-781.87	1,008.61	789.23	730.59	58.64	13.458		
5,900.00	5,768.62	5,840.90	5,690.16	30.03	30.49	100.34	-795.59	1,028.20	801.42	741.83	59.59	13.449		
6,000.00	5,868.13	5,939.42	5,785.75	30.45	31.02	99.69	-809.26	1,047.72	813.14	752.64	60.50	13.441		
6,100.00	5,967.93	6,037.52	5,880.94	30.86	31.55	98.82	-822.87	1,067.16	824.51	763.15	61.37	13.435		
6,200.00	6,067.88	6,135.08	5,975.60	31.24	32.08	97.76	-836.41	1,086.50	835.73	773.53	62.20	13.436		
6,232.12	6,100.00	6,166.28	6,005.87	31.36	32.25	-171.91	-840.74	1,092.68	839.32	776.87	62.46	13.438		
6,300.00	6,167.88	6,232.14	6,069.78	31.61	32.61	-172.88	-849.88	1,105.73	847.06	784.07	63.00	13.446		
6,400.00	6,267.88	6,329.17	6,163.93	31.97	33.13	-174.28	-863.34	1,124.96	858.91	795.12	63.78	13.466		
6,500.00	6,367.88	6,426.20	6,258.08	32.34	33.66	-175.63	-876.80	1,144.19	871.26	806.69	64.57	13.493		
6,600.00	6,467.88	6,523.23	6,352.22	32.70	34.18	-176.95	-890.27	1,163.42	884.10	818.75	65.35	13.528		
6,700.00	6,567.88	6,620.26	6,446.37	33.07	34.71	-178.24	-903.73	1,182.64	897.42	831.28	66.14	13.569		
6,736.50	6,604.38	6,655.68	6,480.73	33.21	34.90	-178.70	-908.65	1,189.66	902.39	835.97	66.42	13.586		
6,750.00	6,617.88	6,668.29	6,493.00	33.25	34.97	-91.60	-910.40	1,192.03	904.25	837.73	66.52	13.594		
6,800.00	6,667.77	6,715.45	6,539.20	33.43	35.20	-91.57	-917.02	1,198.71	911.33	844.47	66.86	13.630		
6,850.00	6,717.28	6,763.28	6,586.42	33.60	35.41	-91.52	-923.80	1,201.94	918.69	851.48	67.20	13.670		
6,900.00	6,766.09	6,811.83	6,634.46	33.79	35.60	-91.47	-930.72	1,201.54	926.27	858.72	67.54	13.714		
6,950.00	6,813.90	6,861.15	6,683.09	33.99	35.76	-91.41	-937.75	1,197.36	934.03	866.14	67.89	13.758		
7,000.00	6,860.42	6,911.30	6,732.05	34.20	35.91	-91.34	-944.83	1,189.21	941.93	873.67	68.26	13.799		
7,050.00	6,905.36	6,962.33	6,781.06	34.42	36.07	-91.26	-951.95	1,176.96	949.91	881.25	68.66	13.835		
7,100.00	6,948.45	7,014.30	6,828.81	34.67	36.23	-91.18	-959.05	1,160.44	957.93	888.83	69.09	13.864		
7,150.00	6,989.41	7,067.25	6,877.93	34.94	36.39	-91.09	-966.08	1,139.54	965.92	896.35	69.57	13.884		
7,200.00	7,028.00	7,121.23	6,925.04	35.24	36.58	-91.00	-972.98	1,114.15	973.83	903.73	70.10	13.893		
7,250.00	7,063.98	7,176.28	6,970.72	35.56	36.78	-90.90	-979.70	1,084.20	981.60	910.92	70.68	13.888		
7,300.00	7,097.13	7,232.42	7,014.48	35.92	37.01	-90.80	-986.17	1,049.67	989.16	917.84	71.32	13.869		
7,350.00	7,127.23	7,289.66	7,055.82	36.32	37.27	-90.70	-992.30	1,010.58	996.46	924.42	72.04	13.832		
7,400.00	7,154.12	7,348.00	7,094.21	36.75	37.58	-90.59	-998.04	967.05	1,003.44	930.59	72.85	13.775		
7,450.00	7,177.61	7,407.42	7,129.08	37.22	37.93	-90.47	-1,003.29	919.25	1,010.02	936.27	73.75	13.696		
7,500.00	7,197.57	7,467.88	7,159.87	37.73	38.34	-90.35	-1,007.97	867.46	1,016.15	941.39	74.76	13.591		
7,550.00	7,213.88	7,529.30	7,186.04	38.28	38.81	-90.22	-1,012.00	812.06	1,021.78	945.89	75.89	13.464		
7,600.00	7,226.42	7,591.60	7,207.05	38.87	39.35	-90.08	-1,015.31	753.53	1,026.85	949.72	77.13	13.314		
7,650.00	7,235.13	7,654.65	7,222.45	39.48	39.95	-89.94	-1,017.82	692.47	1,031.30	952.83	78.47	13.142		
7,700.00	7,239.95	7,718.31	7,231.86	40.12	40.62	-89.78	-1,019.47	629.56	1,035.10	955.19	79.92	12.952		
7,735.44	7,241.00	7,763.71	7,234.75	40.59	41.13	-89.66	-1,020.10	584.27	1,037.39	956.40	80.98	12.810		
7,800.00	7,241.11	7,831.92	7,235.11	41.47	41.95	-89.67	-1,020.48	516.06	1,041.01	958.23	82.78	12.576		
7,900.00	7,241.27	7,931.76	7,235.33	42.96	43.27	-89.68	-1,020.99	416.22	1,046.59	960.91	85.68	12.215		
8,000.00	7,241.44	8,031.61	7,235.54	44.59	44.74	-89.68	-1,021.50	316.37	1,052.16	963.30	88.86	11.841		
8,100.00	7,241.61	8,131.45	7,235.75	46.34	46.35	-89.69	-1,022.00	216.53	1,057.74	965.46	92.29	11.462		
8,200.00	7,241.77	8,231.30	7,235.96	48.20	48.09	-89.69	-1,022.51	116.69	1,063.32	967.39	95.93	11.084		
8,300.00	7,241.94	8,331.14	7,236.18	50.16	49.93	-89.70	-1,023.02	16.85	1,068.90	969.13	99.77	10.714		
8,400.00	7,242.11	8,430.99	7,236.39	52.20	51.88	-89.70	-1,023.53	-83.00	1,074.47	970.69	103.78	10.353		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,242.27	8,530.83	7,236.60	54.31	53.90	-89.70	-1,024.03	-182.84	1,080.05	972.10	107.95	10.005		
8,600.00	7,242.44	8,630.67	7,236.81	56.49	56.00	-89.71	-1,024.54	-282.68	1,085.63	973.37	112.26	9.671		
8,700.00	7,242.60	8,730.52	7,237.03	58.73	58.17	-89.71	-1,025.05	-382.53	1,091.21	974.52	116.68	9.352		
8,800.00	7,242.77	8,830.36	7,237.24	61.03	60.40	-89.72	-1,025.56	-482.37	1,096.78	975.57	121.22	9.048		
8,900.00	7,242.94	8,930.21	7,237.45	63.37	62.68	-89.72	-1,026.06	-582.21	1,102.36	976.51	125.85	8.759		
9,000.00	7,243.10	9,030.05	7,237.66	65.75	65.00	-89.72	-1,026.57	-682.05	1,107.94	977.37	130.57	8.486		
9,100.00	7,243.27	9,129.90	7,237.88	68.18	67.37	-89.73	-1,027.08	-781.90	1,113.52	978.15	135.36	8.226		
9,200.00	7,243.44	9,229.74	7,238.09	70.63	69.77	-89.73	-1,027.59	-881.74	1,119.09	978.86	140.23	7.980		
9,300.00	7,243.60	9,329.58	7,238.30	73.12	72.21	-89.73	-1,028.09	-981.58	1,124.67	979.51	145.16	7.748		
9,400.00	7,243.77	9,429.43	7,238.52	75.63	74.68	-89.74	-1,028.60	-1,081.43	1,130.25	980.11	150.14	7.528		
9,500.00	7,243.94	9,529.27	7,238.73	78.17	77.18	-89.74	-1,029.11	-1,181.27	1,135.83	980.65	155.18	7.320		
9,600.00	7,244.10	9,629.12	7,238.94	80.73	79.70	-89.75	-1,029.62	-1,281.11	1,141.40	981.14	160.26	7.122		
9,700.00	7,244.27	9,728.96	7,239.15	83.31	82.24	-89.75	-1,030.12	-1,380.95	1,146.98	981.60	165.38	6.935		
9,800.00	7,244.44	9,828.81	7,239.37	85.91	84.80	-89.75	-1,030.63	-1,480.80	1,152.56	982.01	170.54	6.758		
9,900.00	7,244.60	9,928.65	7,239.58	88.53	87.38	-89.76	-1,031.14	-1,580.64	1,158.14	982.39	175.74	6.590		
10,000.00	7,244.77	10,028.49	7,239.79	91.16	89.98	-89.76	-1,031.65	-1,680.48	1,163.71	982.74	180.97	6.430		
10,100.00	7,244.94	10,128.34	7,240.00	93.81	92.59	-89.76	-1,032.15	-1,780.32	1,169.29	983.06	186.23	6.279		
10,200.00	7,245.10	10,228.18	7,240.22	96.46	95.22	-89.77	-1,032.66	-1,880.17	1,174.87	983.36	191.51	6.135		
10,300.00	7,245.27	10,328.03	7,240.43	99.14	97.86	-89.77	-1,033.17	-1,980.01	1,180.45	983.63	196.82	5.998		
10,400.00	7,245.43	10,427.87	7,240.64	101.82	100.51	-89.77	-1,033.68	-2,079.85	1,186.02	983.87	202.15	5.867		
10,500.00	7,245.60	10,527.72	7,240.85	104.51	103.17	-89.78	-1,034.18	-2,179.70	1,191.60	984.10	207.50	5.743		
10,600.00	7,245.77	10,627.56	7,241.07	107.21	105.84	-89.78	-1,034.69	-2,279.54	1,197.18	984.30	212.87	5.624		
10,700.00	7,245.93	10,727.41	7,241.28	109.92	108.52	-89.78	-1,035.20	-2,379.38	1,202.76	984.49	218.26	5.511		
10,800.00	7,246.10	10,827.25	7,241.49	112.64	111.21	-89.79	-1,035.71	-2,479.22	1,208.33	984.66	223.67	5.402		
10,900.00	7,246.27	10,927.09	7,241.71	115.37	113.91	-89.79	-1,036.21	-2,579.07	1,213.91	984.82	229.09	5.299		
11,000.00	7,246.43	11,026.94	7,241.92	118.10	116.62	-89.79	-1,036.72	-2,678.91	1,219.49	984.96	234.53	5.200		
11,100.00	7,246.60	11,126.78	7,242.13	120.84	119.33	-89.80	-1,037.23	-2,778.75	1,225.07	985.09	239.97	5.105		
11,200.00	7,246.77	11,226.63	7,242.34	123.58	122.05	-89.80	-1,037.74	-2,878.60	1,230.64	985.21	245.44	5.014		
11,300.00	7,246.93	11,326.47	7,242.56	126.34	124.77	-89.80	-1,038.24	-2,978.44	1,236.22	985.31	250.91	4.927		
11,340.34	7,247.00	11,366.75	7,242.64	127.45	125.88	-89.80	-1,038.45	-3,018.71	1,238.47	985.35	253.12	4.893		
11,400.00	7,247.10	11,426.35	7,242.77	129.09	127.51	-89.80	-1,038.75	-3,078.31	1,241.18	984.79	256.39	4.841		
11,500.00	7,247.27	11,526.33	7,242.98	131.84	130.25	-89.80	-1,039.26	-3,178.29	1,242.93	981.05	261.88	4.746		
11,586.15	7,247.43	11,612.46	7,243.17	134.20	132.61	-89.80	-1,039.70	-3,264.42	1,241.64	975.03	266.61	4.657		
11,600.00	7,247.45	11,626.31	7,243.20	134.57	132.99	-89.80	-1,039.77	-3,278.27	1,241.23	973.86	267.37	4.642		
11,700.00	7,247.64	11,726.26	7,243.41	137.31	135.74	-89.80	-1,040.27	-3,378.22	1,238.23	965.37	272.86	4.538		
11,800.00	7,247.82	11,826.22	7,243.62	140.05	138.49	-89.80	-1,040.78	-3,478.18	1,235.23	956.87	278.36	4.438		
11,900.00	7,248.00	11,926.17	7,243.83	142.79	141.25	-89.80	-1,041.29	-3,578.13	1,232.23	948.36	283.87	4.341		
12,000.00	7,248.18	12,026.13	7,244.05	145.53	144.01	-89.80	-1,041.80	-3,678.08	1,229.23	939.85	289.38	4.248		
12,100.00	7,248.37	12,126.08	7,244.26	148.28	146.78	-89.80	-1,042.31	-3,778.04	1,226.23	931.32	294.91	4.158		
12,200.00	7,248.55	12,226.04	7,244.47	151.04	149.55	-89.81	-1,042.82	-3,877.99	1,223.23	922.80	300.44	4.072		
12,300.00	7,248.73	12,325.99	7,244.69	153.80	152.32	-89.81	-1,043.32	-3,977.94	1,220.23	914.26	305.97	3.988		
12,400.00	7,248.91	12,425.95	7,244.90	156.56	155.09	-89.81	-1,043.83	-4,077.90	1,217.23	905.72	311.51	3.907		
12,500.00	7,249.10	12,525.90	7,245.11	159.32	157.87	-89.81	-1,044.34	-4,177.85	1,214.23	897.17	317.06	3.830		
12,600.00	7,249.28	12,625.86	7,245.32	162.09	160.65	-89.81	-1,044.85	-4,277.80	1,211.23	888.62	322.61	3.754		
12,700.00	7,249.46	12,725.81	7,245.54	164.86	163.43	-89.81	-1,045.36	-4,377.76	1,208.24	880.06	328.17	3.682		
12,800.00	7,249.64	12,825.77	7,245.75	167.63	166.22	-89.81	-1,045.86	-4,477.71	1,205.24	871.50	333.73	3.611		
12,900.00	7,249.83	12,925.72	7,245.96	170.40	169.01	-89.81	-1,046.37	-4,577.66	1,202.24	862.93	339.30	3.543		
13,000.00	7,250.01	13,025.68	7,246.18	173.18	171.80	-89.81	-1,046.88	-4,677.62	1,199.24	854.36	344.87	3.477		
13,100.00	7,250.19	13,125.63	7,246.39	175.96	174.59	-89.81	-1,047.39	-4,777.57	1,196.24	845.79	350.45	3.413		
13,200.00	7,250.37	13,225.59	7,246.60	178.74	177.39	-89.82	-1,047.90	-4,877.52	1,193.24	837.21	356.03	3.352		
13,300.00	7,250.56	13,325.54	7,246.81	181.52	180.18	-89.82	-1,048.40	-4,977.48	1,190.24	828.63	361.61	3.291		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1														Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,400.00	7,250.74	13,425.50	7,247.03	184.31	182.98	-89.82	-1,048.91	-5,077.43	1,187.24	820.04	367.20	3.233			
13,500.00	7,250.92	13,525.45	7,247.24	187.09	185.78	-89.82	-1,049.42	-5,177.39	1,184.24	811.45	372.79	3.177			
13,600.00	7,251.10	13,625.41	7,247.45	189.88	188.58	-89.82	-1,049.93	-5,277.34	1,181.24	802.85	378.39	3.122			
13,700.00	7,251.29	13,725.36	7,247.67	192.67	191.39	-89.82	-1,050.44	-5,377.29	1,178.24	794.26	383.99	3.068			
13,800.00	7,251.47	13,825.32	7,247.88	195.47	194.19	-89.82	-1,050.94	-5,477.25	1,175.24	785.66	389.59	3.017			
13,900.00	7,251.65	13,925.27	7,248.09	198.26	197.00	-89.82	-1,051.45	-5,577.20	1,172.24	777.05	395.19	2.966			
14,000.00	7,251.83	14,025.23	7,248.30	201.05	199.81	-89.82	-1,051.96	-5,677.15	1,169.25	768.45	400.80	2.917			
14,100.00	7,252.01	14,125.18	7,248.52	203.85	202.62	-89.82	-1,052.47	-5,777.11	1,166.25	759.84	406.41	2.870			
14,200.00	7,252.20	14,225.14	7,248.73	206.65	205.43	-89.83	-1,052.98	-5,877.06	1,163.25	751.23	412.02	2.823			
14,300.00	7,252.38	14,325.09	7,248.94	209.45	208.24	-89.83	-1,053.48	-5,977.01	1,160.25	742.61	417.63	2.778			
14,400.00	7,252.56	14,425.05	7,249.16	212.25	211.05	-89.83	-1,053.99	-6,076.97	1,157.25	734.00	423.25	2.734			
14,500.00	7,252.74	14,525.00	7,249.37	215.05	213.87	-89.83	-1,054.50	-6,176.92	1,154.25	725.38	428.87	2.691			
14,600.00	7,252.93	14,624.96	7,249.58	217.86	216.68	-89.83	-1,055.01	-6,276.87	1,151.25	716.76	434.49	2.650			
14,700.00	7,253.11	14,724.91	7,249.80	220.66	219.50	-89.83	-1,055.52	-6,376.83	1,148.25	708.14	440.11	2.609			
14,800.00	7,253.29	14,824.87	7,250.01	223.47	222.32	-89.83	-1,056.02	-6,476.78	1,145.25	699.51	445.74	2.569			
14,900.00	7,253.47	14,924.82	7,250.22	226.27	225.14	-89.83	-1,056.53	-6,576.73	1,142.25	690.89	451.37	2.531			
15,000.00	7,253.66	15,024.78	7,250.43	229.08	227.96	-89.83	-1,057.04	-6,676.69	1,139.25	682.26	457.00	2.493			
15,100.00	7,253.84	15,124.73	7,250.65	231.89	230.78	-89.84	-1,057.55	-6,776.64	1,136.25	673.63	462.63	2.456			
15,200.00	7,254.02	15,224.69	7,250.86	234.70	233.60	-89.84	-1,058.06	-6,876.59	1,133.25	664.99	468.26	2.420			
15,300.00	7,254.20	15,324.64	7,251.07	237.51	236.42	-89.84	-1,058.56	-6,976.55	1,130.26	656.36	473.89	2.385			
15,400.00	7,254.39	15,424.60	7,251.29	240.32	239.24	-89.84	-1,059.07	-7,076.50	1,127.26	647.73	479.53	2.351			
15,500.00	7,254.57	15,524.55	7,251.50	243.13	242.07	-89.84	-1,059.58	-7,176.46	1,124.26	639.09	485.17	2.317			
15,600.00	7,254.75	15,624.51	7,251.71	245.94	244.89	-89.84	-1,060.09	-7,276.41	1,121.26	630.45	490.81	2.285			
15,700.00	7,254.93	15,724.46	7,251.92	248.76	247.72	-89.84	-1,060.60	-7,376.36	1,118.26	621.81	496.45	2.253			
15,800.00	7,255.12	15,824.42	7,252.14	251.57	250.54	-89.84	-1,061.10	-7,476.32	1,115.26	613.17	502.09	2.221			
15,900.00	7,255.30	15,924.37	7,252.35	254.39	253.37	-89.84	-1,061.61	-7,576.27	1,112.26	604.53	507.73	2.191			
16,000.00	7,255.48	16,024.33	7,252.56	257.20	256.20	-89.85	-1,062.12	-7,676.22	1,109.26	595.88	513.38	2.161			
16,100.00	7,255.66	16,124.28	7,252.78	260.02	259.03	-89.85	-1,062.63	-7,776.18	1,106.26	587.24	519.03	2.131			
16,200.00	7,255.85	16,224.24	7,252.99	262.84	261.86	-89.85	-1,063.14	-7,876.13	1,103.26	578.59	524.67	2.103			
16,300.00	7,256.03	16,324.19	7,253.20	265.65	264.69	-89.85	-1,063.64	-7,976.08	1,100.26	569.94	530.32	2.075			
16,400.00	7,256.21	16,424.15	7,253.41	268.47	267.52	-89.85	-1,064.15	-8,076.04	1,097.26	561.29	535.97	2.047			
16,500.00	7,256.39	16,524.10	7,253.63	271.29	270.35	-89.85	-1,064.66	-8,175.99	1,094.26	552.64	541.62	2.020			
16,600.00	7,256.58	16,624.06	7,253.84	274.11	273.18	-89.85	-1,065.17	-8,275.94	1,091.27	543.99	547.27	1.994			
16,700.00	7,256.76	16,724.01	7,254.05	276.93	276.01	-89.85	-1,065.68	-8,375.90	1,088.27	535.34	552.93	1.968			
16,800.00	7,256.94	16,823.97	7,254.27	279.75	278.84	-89.86	-1,066.18	-8,475.85	1,085.27	526.69	558.58	1.943			
16,900.00	7,257.12	16,923.92	7,254.48	282.57	281.67	-89.86	-1,066.69	-8,575.80	1,082.27	518.03	564.24	1.918			
17,000.00	7,257.30	17,023.88	7,254.69	285.40	284.51	-89.86	-1,067.20	-8,675.76	1,079.27	509.38	569.89	1.894			
17,100.00	7,257.49	17,123.83	7,254.91	288.22	287.34	-89.86	-1,067.71	-8,775.71	1,076.27	500.72	575.55	1.870			
17,200.00	7,257.67	17,223.79	7,255.12	291.04	290.18	-89.86	-1,068.22	-8,875.66	1,073.27	492.06	581.21	1.847			
17,300.00	7,257.85	17,323.74	7,255.33	293.87	293.01	-89.86	-1,068.72	-8,975.62	1,070.27	483.41	586.87	1.824			
17,400.00	7,258.03	17,423.70	7,255.54	296.69	295.85	-89.86	-1,069.23	-9,075.57	1,067.27	474.75	592.53	1.801			
17,500.00	7,258.22	17,523.65	7,255.76	299.51	298.68	-89.86	-1,069.74	-9,175.53	1,064.27	466.09	598.19	1.779			
17,600.00	7,258.40	17,623.61	7,255.97	302.34	301.52	-89.87	-1,070.25	-9,275.48	1,061.27	457.43	603.85	1.758			
17,700.00	7,258.58	17,723.56	7,256.18	305.16	304.35	-89.87	-1,070.76	-9,375.43	1,058.27	448.77	609.51	1.736			
17,800.00	7,258.76	17,823.52	7,256.40	307.99	307.19	-89.87	-1,071.26	-9,475.39	1,055.28	440.10	615.17	1.715			
17,900.00	7,258.95	17,923.47	7,256.61	310.82	310.03	-89.87	-1,071.77	-9,575.34	1,052.28	431.44	620.84	1.695			
18,000.00	7,259.13	18,023.43	7,256.82	313.64	312.86	-89.87	-1,072.28	-9,675.29	1,049.28	422.78	626.50	1.675			
18,100.00	7,259.31	18,123.38	7,257.03	316.47	315.70	-89.87	-1,072.79	-9,775.25	1,046.28	414.11	632.16	1.655			
18,200.00	7,259.49	18,223.34	7,257.25	319.30	318.54	-89.87	-1,073.30	-9,875.20	1,043.28	405.45	637.83	1.636			
18,300.00	7,259.68	18,323.29	7,257.46	322.12	321.38	-89.87	-1,073.80	-9,975.15	1,040.28	396.78	643.50	1.617			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	18,423.25	7,257.67	324.95	324.22	-89.88	-1,074.31	-10,075.11	1,037.28	388.12	649.16	1.598		
18,500.00	7,260.04	18,523.20	7,257.89	327.78	327.06	-89.88	-1,074.82	-10,175.06	1,034.28	379.45	654.83	1.579		
18,600.00	7,260.22	18,623.16	7,258.10	330.61	329.90	-89.88	-1,075.33	-10,275.01	1,031.28	370.78	660.50	1.561		
18,700.00	7,260.41	18,723.11	7,258.31	333.44	332.74	-89.88	-1,075.84	-10,374.97	1,028.28	362.11	666.17	1.544		
18,800.00	7,260.59	18,823.07	7,258.52	336.27	335.58	-89.88	-1,076.34	-10,474.92	1,025.28	353.45	671.84	1.526		
18,900.00	7,260.77	18,923.02	7,258.74	339.10	338.42	-89.88	-1,076.85	-10,574.87	1,022.28	344.78	677.51	1.509		
19,000.00	7,260.95	19,022.98	7,258.95	341.93	341.26	-89.88	-1,077.36	-10,674.83	1,019.28	336.11	683.18	1.492 Level 3		
19,025.91	7,261.00	19,048.88	7,259.01	342.66	341.99	-89.88	-1,077.49	-10,700.73	1,018.51	333.86	684.65	1.488 Level 3, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-89.99	-0.83	89.99					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-89.99	-0.83	89.99	83.42	6.57	13.699		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-89.99	-0.83	89.99	83.32	6.67	13.484 CC, ES		
300.00	299.98	297.91	297.89	3.44	3.44	90.10	-91.13	0.39	91.14	84.26	6.89	13.237		
400.00	399.84	395.73	395.58	3.60	3.59	90.88	-94.55	4.05	94.60	87.40	7.20	13.142		
500.00	499.45	493.37	492.86	3.81	3.78	92.06	-100.22	10.14	100.40	92.79	7.61	13.199		
600.00	598.70	590.75	589.54	4.05	4.02	93.48	-108.13	18.63	108.57	100.47	8.10	13.408		
700.00	697.47	687.78	685.43	4.34	4.29	95.00	-118.24	29.46	119.15	110.48	8.66	13.755		
800.00	795.62	784.39	780.35	4.66	4.60	96.50	-130.50	42.61	132.14	122.85	9.29	14.218		
849.22	843.68	831.76	826.65	4.84	4.76	97.20	-137.30	49.91	139.42	129.79	9.63	14.481		
900.00	893.16	880.51	874.13	5.02	4.94	97.88	-144.85	58.00	147.48	137.50	9.99	14.769		
1,000.00	990.60	976.17	966.71	5.41	5.32	98.31	-161.26	75.60	164.75	154.02	10.73	15.350		
1,100.00	1,088.05	1,073.92	1,060.75	5.83	5.74	98.09	-179.45	95.10	183.20	171.67	11.53	15.892		
1,200.00	1,185.49	1,172.20	1,155.29	6.26	6.19	97.89	-197.76	114.74	201.67	189.31	12.36	16.312		
1,300.00	1,282.93	1,270.47	1,249.82	6.70	6.65	97.73	-216.08	134.38	220.15	206.92	13.23	16.640		
1,400.00	1,380.37	1,368.75	1,344.36	7.15	7.13	97.59	-234.40	154.03	238.63	224.51	14.12	16.898		
1,500.00	1,477.82	1,467.03	1,438.89	7.62	7.62	97.47	-252.71	173.67	257.11	242.08	15.04	17.101		
1,600.00	1,575.26	1,565.30	1,533.43	8.09	8.12	97.37	-271.03	193.31	275.60	259.63	15.97	17.262		
1,700.00	1,672.70	1,663.58	1,627.96	8.57	8.63	97.28	-289.35	212.95	294.08	277.17	16.91	17.391		
1,800.00	1,770.15	1,761.85	1,722.50	9.05	9.14	97.20	-307.66	232.60	312.56	294.70	17.87	17.494		
1,900.00	1,867.59	1,860.13	1,817.03	9.54	9.66	97.13	-325.98	252.24	331.05	312.21	18.83	17.577		
2,000.00	1,965.03	1,958.41	1,911.57	10.03	10.18	97.07	-344.30	271.88	349.53	329.72	19.81	17.644		
2,100.00	2,062.48	2,056.68	2,006.10	10.53	10.71	97.01	-362.61	291.52	368.02	347.22	20.79	17.698		
2,200.00	2,159.92	2,154.96	2,100.64	11.03	11.25	96.96	-380.93	311.16	386.50	364.72	21.78	17.742		
2,300.00	2,257.36	2,253.23	2,195.17	11.53	11.78	96.91	-399.25	330.81	404.99	382.21	22.78	17.778		
2,400.00	2,354.81	2,351.51	2,289.71	12.03	12.32	96.87	-417.57	350.45	423.47	399.69	23.78	17.807		
2,500.00	2,452.25	2,449.79	2,384.24	12.54	12.86	96.83	-435.88	370.09	441.96	417.17	24.79	17.830		
2,600.00	2,549.69	2,548.06	2,478.78	13.04	13.40	96.79	-454.20	389.73	460.45	434.65	25.80	17.849		
2,700.00	2,647.13	2,646.34	2,573.31	13.55	13.94	96.76	-472.52	409.38	478.93	452.12	26.81	17.865		
2,800.00	2,744.58	2,744.62	2,667.85	14.06	14.49	96.73	-490.83	429.02	497.42	469.60	27.82	17.877		
2,900.00	2,842.02	2,842.89	2,762.38	14.57	15.04	96.70	-509.15	448.66	515.91	487.06	28.84	17.887		
3,000.00	2,939.46	2,941.17	2,856.92	15.09	15.58	96.68	-527.47	468.30	534.39	504.53	29.86	17.894		
3,100.00	3,036.91	3,039.44	2,951.45	15.60	16.13	96.65	-545.78	487.95	552.88	521.99	30.89	17.900		
3,200.00	3,134.35	3,137.72	3,045.99	16.11	16.68	96.63	-564.10	507.59	571.37	539.45	31.91	17.904		
3,300.00	3,231.79	3,236.00	3,140.52	16.63	17.23	96.61	-582.42	527.23	589.85	556.92	32.94	17.907		
3,400.00	3,329.24	3,334.27	3,235.06	17.14	17.78	96.59	-600.73	546.87	608.34	574.37	33.97	17.909		
3,500.00	3,426.68	3,432.55	3,329.59	17.66	18.34	96.57	-619.05	566.52	626.83	591.83	35.00	17.910		
3,600.00	3,524.12	3,530.82	3,424.13	18.18	18.89	96.55	-637.37	586.16	645.32	609.29	36.03	17.911		
3,700.00	3,621.57	3,629.10	3,518.66	18.69	19.44	96.53	-655.68	605.80	663.80	626.74	37.06	17.910		
3,800.00	3,719.01	3,727.38	3,613.20	19.21	20.00	96.52	-674.00	625.44	682.29	644.19	38.10	17.910		
3,900.00	3,816.45	3,825.65	3,707.73	19.73	20.55	96.50	-692.32	645.09	700.78	661.65	39.13	17.908		
4,000.00	3,913.90	3,923.93	3,802.27	20.25	21.11	96.49	-710.64	664.73	719.27	679.10	40.17	17.907		
4,100.00	4,011.34	4,022.20	3,896.80	20.77	21.66	96.47	-728.95	684.37	737.75	696.55	41.20	17.905		
4,200.00	4,108.78	4,120.48	3,991.34	21.29	22.22	96.46	-747.27	704.01	756.24	714.00	42.24	17.903		
4,300.00	4,206.22	4,218.76	4,085.87	21.81	22.78	96.45	-765.59	723.66	774.73	731.45	43.28	17.900		
4,400.00	4,303.67	4,317.03	4,180.41	22.33	23.33	96.44	-783.90	743.30	793.22	748.90	44.32	17.898		
4,500.00	4,401.11	4,415.31	4,274.94	22.85	23.89	96.43	-802.22	762.94	811.70	766.34	45.36	17.895		
4,600.00	4,498.55	4,513.58	4,369.48	23.37	24.45	96.41	-820.54	782.58	830.19	783.79	46.40	17.892		
4,700.00	4,596.00	4,611.86	4,464.01	23.89	25.01	96.40	-838.85	802.23	848.68	801.24	47.44	17.889		
4,800.00	4,693.44	4,710.14	4,558.55	24.41	25.57	96.39	-857.17	821.87	867.17	818.68	48.48	17.886		
4,900.00	4,790.88	4,808.41	4,653.08	24.93	26.12	96.38	-875.49	841.51	885.65	836.13	49.53	17.883		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
5,000.00	4,888.33	4,906.69	4,747.61	25.46	26.68	96.38	-893.80	861.15	904.14	853.57	50.57	17.880					
5,100.00	4,985.77	5,004.96	4,842.15	25.98	27.24	96.37	-912.12	880.80	922.63	871.02	51.61	17.877					
5,200.00	5,083.21	5,103.24	4,936.68	26.50	27.80	96.36	-930.44	900.44	941.12	888.46	52.65	17.873					
5,300.00	5,180.66	5,201.52	5,031.22	27.02	28.36	96.35	-948.75	920.08	959.61	905.91	53.70	17.870					
5,400.00	5,278.10	5,300.21	5,125.75	27.55	28.92	96.34	-967.07	939.72	978.09	923.35	54.75	17.866					
5,500.00	5,375.54	5,401.93	5,220.29	28.07	29.50	96.34	-985.39	959.37	996.58	940.77	55.81	17.857					
5,582.90	5,456.32	5,479.54	5,298.66	28.50	29.94	96.33	-1,000.57	975.65	1,011.91	955.25	56.65	17.861					
5,600.00	5,473.00	5,503.65	5,314.83	28.59	30.08	96.39	-1,003.71	979.01	1,015.06	958.19	56.87	17.848					
5,700.00	5,570.93	5,605.37	5,409.37	29.10	30.66	96.62	-1,022.02	998.65	1,033.30	975.39	57.91	17.843					
5,800.00	5,669.52	5,707.15	5,503.85	29.57	31.24	96.66	-1,040.33	1,018.28	1,051.15	992.24	58.91	17.843					
5,900.00	5,768.62	5,809.13	5,598.14	30.03	31.82	96.51	-1,058.60	1,037.87	1,068.66	1,008.79	59.87	17.849					
6,000.00	5,868.13	5,888.58	5,692.13	30.45	32.28	96.19	-1,076.81	1,057.40	1,085.90	1,025.22	60.68	17.896					
6,100.00	5,967.93	5,985.86	5,785.71	30.86	32.83	95.71	-1,094.94	1,076.85	1,102.95	1,041.40	61.54	17.921					
6,200.00	6,067.88	6,082.59	5,878.75	31.24	33.38	95.09	-1,112.97	1,096.18	1,119.92	1,057.55	62.37	17.956					
6,232.12	6,100.00	6,113.52	5,908.51	31.36	33.56	-174.43	-1,118.74	1,102.36	1,125.38	1,062.76	62.63	17.969					
6,300.00	6,167.88	6,178.82	5,971.32	31.61	33.93	-175.16	-1,130.91	1,115.41	1,137.03	1,073.86	63.16	18.001					
6,400.00	6,267.88	6,275.01	6,063.85	31.97	34.48	-176.20	-1,148.83	1,134.64	1,154.51	1,090.56	63.95	18.053					
6,500.00	6,367.88	6,371.20	6,156.38	32.34	35.03	-177.21	-1,166.76	1,153.87	1,172.37	1,107.63	64.74	18.109					
6,600.00	6,467.88	6,467.40	6,248.91	32.70	35.58	-178.19	-1,184.69	1,173.09	1,190.58	1,125.05	65.53	18.169					
6,700.00	6,567.88	6,563.10	6,341.08	33.07	36.12	-179.11	-1,202.55	1,191.62	1,209.15	1,142.84	66.31	18.235					
6,736.50	6,604.38	6,598.13	6,375.18	33.21	36.30	-179.34	-1,209.14	1,196.17	1,216.01	1,149.42	66.59	18.261					
6,750.00	6,617.88	6,611.19	6,387.95	33.25	36.36	-92.07	-1,211.60	1,197.37	1,218.57	1,151.87	66.69	18.272					
6,800.00	6,667.77	6,659.77	6,435.59	33.43	36.58	-91.45	-1,220.79	1,199.50	1,228.12	1,161.07	67.05	18.316					
6,850.00	6,717.28	6,708.72	6,483.63	33.60	36.76	-90.81	-1,230.03	1,197.90	1,237.79	1,170.39	67.40	18.364					
6,900.00	6,766.09	6,758.07	6,531.79	33.79	36.92	-90.18	-1,239.27	1,192.48	1,247.53	1,179.78	67.75	18.413					
6,950.00	6,813.90	6,807.86	6,579.81	33.99	37.07	-89.55	-1,248.46	1,183.19	1,257.27	1,189.15	68.12	18.456					
7,000.00	6,860.42	6,858.11	6,627.42	34.20	37.21	-88.92	-1,257.55	1,169.97	1,266.96	1,198.45	68.51	18.493					
7,050.00	6,905.36	6,908.85	6,674.31	34.42	37.35	-88.31	-1,266.47	1,152.78	1,276.53	1,207.60	68.93	18.519					
7,100.00	6,948.45	6,960.12	6,720.17	34.67	37.49	-87.71	-1,275.18	1,131.61	1,285.92	1,216.53	69.39	18.532					
7,150.00	6,989.41	7,011.93	6,764.67	34.94	37.65	-87.13	-1,283.60	1,106.47	1,295.08	1,225.19	69.89	18.531					
7,200.00	7,028.00	7,064.31	6,807.46	35.24	37.81	-86.57	-1,291.66	1,077.40	1,303.95	1,233.51	70.44	18.511					
7,250.00	7,063.98	7,117.26	6,848.20	35.56	38.00	-86.04	-1,299.31	1,044.47	1,312.47	1,241.41	71.06	18.471					
7,300.00	7,097.13	7,170.79	6,886.51	35.92	38.21	-85.53	-1,306.47	1,007.80	1,320.59	1,248.85	71.74	18.408					
7,350.00	7,127.23	7,224.90	6,922.03	36.32	38.45	-85.06	-1,313.07	967.54	1,328.24	1,255.74	72.50	18.321					
7,400.00	7,154.12	7,279.58	6,954.39	36.75	38.73	-84.62	-1,319.04	923.88	1,335.39	1,262.05	73.34	18.208					
7,450.00	7,177.61	7,334.81	6,983.21	37.22	39.05	-84.21	-1,324.32	877.10	1,341.97	1,267.70	74.27	18.068					
7,500.00	7,197.57	7,390.54	7,008.16	37.73	39.41	-83.84	-1,328.83	827.48	1,347.95	1,272.65	75.30	17.901					
7,550.00	7,213.88	7,446.75	7,028.92	38.28	39.82	-83.50	-1,332.52	775.39	1,353.29	1,276.87	76.42	17.708					
7,600.00	7,226.42	7,503.37	7,045.18	38.87	40.29	-83.21	-1,335.33	721.25	1,357.94	1,280.31	77.63	17.492					
7,650.00	7,235.13	7,560.34	7,056.72	39.48	40.82	-82.95	-1,337.22	665.51	1,361.87	1,282.94	78.93	17.254					
7,700.00	7,239.95	7,617.59	7,063.33	40.12	41.39	-82.73	-1,338.16	608.68	1,365.06	1,284.77	80.29	17.002					
7,735.44	7,241.00	7,658.29	7,064.98	40.59	41.82	-82.60	-1,338.23	568.01	1,366.86	1,285.58	81.28	16.817					
7,800.00	7,241.11	7,723.26	7,065.21	41.47	42.57	-82.62	-1,337.90	503.05	1,369.76	1,286.73	83.03	16.497					
7,900.00	7,241.27	7,823.15	7,065.55	42.96	43.85	-82.65	-1,337.37	403.16	1,374.24	1,288.29	85.95	15.988					
8,000.00	7,241.44	7,923.05	7,065.90	44.59	45.29	-82.68	-1,336.85	303.26	1,378.73	1,289.59	89.14	15.466					
8,100.00	7,241.61	8,022.95	7,066.24	46.34	46.88	-82.71	-1,336.32	203.37	1,383.22	1,290.64	92.57	14.942					
8,200.00	7,241.77	8,122.84	7,066.58	48.20	48.60	-82.74	-1,335.80	103.47	1,387.70	1,291.48	96.22	14.422					
8,300.00	7,241.94	8,222.74	7,066.93	50.16	50.43	-82.78	-1,335.28	3.58	1,392.19	1,292.13	100.06	13.914					
8,400.00	7,242.11	8,322.64	7,067.27	52.20	52.37	-82.81	-1,334.75	-96.31	1,396.68	1,292.62	104.06	13.421					
8,500.00	7,242.27	8,422.53	7,067.61	54.31	54.39	-82.84	-1,334.23	-196.21	1,401.17	1,292.95	108.22	12.947					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	8,522.43	7,067.96	56.49	56.49	-82.87	-1,333.70	-296.10	1,405.66	1,293.14	112.51	12.493		
8,700.00	7,242.60	8,622.32	7,068.30	58.73	58.66	-82.90	-1,333.18	-396.00	1,410.15	1,293.22	116.93	12.060		
8,800.00	7,242.77	8,722.22	7,068.64	61.03	60.88	-82.93	-1,332.66	-495.89	1,414.64	1,293.19	121.45	11.648		
8,900.00	7,242.94	8,822.12	7,068.99	63.37	63.17	-82.96	-1,332.13	-595.79	1,419.13	1,293.06	126.06	11.257		
9,000.00	7,243.10	8,922.01	7,069.33	65.75	65.49	-82.99	-1,331.61	-695.68	1,423.62	1,292.85	130.76	10.887		
9,100.00	7,243.27	9,021.91	7,069.67	68.18	67.87	-83.02	-1,331.08	-795.58	1,428.11	1,292.57	135.54	10.536		
9,200.00	7,243.44	9,121.81	7,070.02	70.63	70.27	-83.04	-1,330.56	-895.47	1,432.60	1,292.21	140.39	10.205		
9,300.00	7,243.60	9,221.70	7,070.36	73.12	72.72	-83.07	-1,330.04	-995.37	1,437.09	1,291.80	145.29	9.891		
9,400.00	7,243.77	9,321.60	7,070.70	75.63	75.19	-83.10	-1,329.51	-1,095.26	1,441.58	1,291.33	150.26	9.594		
9,500.00	7,243.94	9,421.50	7,071.05	78.17	77.69	-83.13	-1,328.99	-1,195.15	1,446.08	1,290.80	155.27	9.313		
9,600.00	7,244.10	9,521.39	7,071.39	80.73	80.21	-83.16	-1,328.46	-1,295.05	1,450.57	1,290.24	160.33	9.047		
9,700.00	7,244.27	9,621.29	7,071.73	83.31	82.76	-83.19	-1,327.94	-1,394.94	1,455.06	1,289.63	165.44	8.795		
9,800.00	7,244.44	9,721.19	7,072.08	85.91	85.33	-83.22	-1,327.42	-1,494.84	1,459.55	1,288.98	170.58	8.557		
9,900.00	7,244.60	9,821.08	7,072.42	88.53	87.92	-83.24	-1,326.89	-1,594.73	1,464.05	1,288.30	175.75	8.330		
10,000.00	7,244.77	9,920.98	7,072.76	91.16	90.52	-83.27	-1,326.37	-1,694.63	1,468.54	1,287.58	180.96	8.115		
10,100.00	7,244.94	10,020.87	7,073.11	93.81	93.14	-83.30	-1,325.84	-1,794.52	1,473.04	1,286.84	186.20	7.911		
10,200.00	7,245.10	10,120.77	7,073.45	96.46	95.77	-83.33	-1,325.32	-1,894.42	1,477.53	1,286.07	191.46	7.717		
10,300.00	7,245.27	10,220.67	7,073.79	99.14	98.41	-83.35	-1,324.80	-1,994.31	1,482.03	1,285.28	196.75	7.533		
10,400.00	7,245.43	10,320.56	7,074.14	101.82	101.07	-83.38	-1,324.27	-2,094.20	1,486.52	1,284.46	202.06	7.357		
10,500.00	7,245.60	10,420.46	7,074.48	104.51	103.74	-83.41	-1,323.75	-2,194.10	1,491.02	1,283.63	207.39	7.189		
10,600.00	7,245.77	10,520.36	7,074.82	107.21	106.41	-83.43	-1,323.23	-2,293.99	1,495.51	1,282.77	212.74	7.030		
10,700.00	7,245.93	10,620.25	7,075.17	109.92	109.10	-83.46	-1,322.70	-2,393.89	1,500.01	1,281.90	218.11	6.877		
10,800.00	7,246.10	10,720.15	7,075.51	112.64	111.80	-83.49	-1,322.18	-2,493.78	1,504.51	1,281.01	223.50	6.732		
10,900.00	7,246.27	10,820.05	7,075.85	115.37	114.50	-83.51	-1,321.65	-2,593.68	1,509.00	1,280.10	228.90	6.592		
11,000.00	7,246.43	10,919.94	7,076.20	118.10	117.21	-83.54	-1,321.13	-2,693.57	1,513.50	1,279.18	234.32	6.459		
11,100.00	7,246.60	11,019.84	7,076.54	120.84	119.93	-83.57	-1,320.61	-2,793.47	1,518.00	1,278.25	239.75	6.332		
11,200.00	7,246.77	11,119.74	7,076.88	123.58	122.65	-83.59	-1,320.08	-2,893.36	1,522.50	1,277.30	245.19	6.209		
11,300.00	7,246.93	11,219.63	7,077.23	126.34	125.38	-83.62	-1,319.56	-2,993.25	1,527.00	1,276.35	250.65	6.092		
11,340.34	7,247.00	11,259.93	7,077.36	127.45	126.49	-83.63	-1,319.35	-3,033.55	1,528.81	1,275.96	252.85	6.046		
11,400.00	7,247.10	11,319.55	7,077.57	129.09	128.12	-83.64	-1,319.03	-3,093.17	1,530.88	1,274.76	256.11	5.977		
11,500.00	7,247.27	11,419.54	7,077.91	131.84	130.86	-83.65	-1,318.51	-3,193.16	1,531.57	1,270.00	261.58	5.855		
11,586.15	7,247.43	11,505.66	7,078.21	134.20	133.23	-83.64	-1,318.06	-3,279.28	1,529.39	1,263.11	266.28	5.744		
11,600.00	7,247.45	11,519.50	7,078.26	134.57	133.61	-83.64	-1,317.98	-3,293.12	1,528.84	1,261.80	267.04	5.725		
11,700.00	7,247.64	11,619.42	7,078.60	137.31	136.36	-83.63	-1,317.46	-3,393.04	1,524.81	1,252.32	272.49	5.596		
11,800.00	7,247.82	11,719.34	7,078.94	140.05	139.12	-83.62	-1,316.94	-3,492.95	1,520.79	1,242.83	277.95	5.471		
11,900.00	7,248.00	11,819.26	7,079.29	142.79	141.88	-83.60	-1,316.41	-3,592.87	1,516.76	1,233.34	283.43	5.352		
12,000.00	7,248.18	11,919.18	7,079.63	145.53	144.64	-83.59	-1,315.89	-3,692.79	1,512.74	1,223.83	288.91	5.236		
12,100.00	7,248.37	12,019.10	7,079.97	148.28	147.41	-83.58	-1,315.36	-3,792.70	1,508.72	1,214.32	294.39	5.125		
12,200.00	7,248.55	12,119.01	7,080.32	151.04	150.18	-83.57	-1,314.84	-3,892.62	1,504.69	1,204.81	299.88	5.018		
12,300.00	7,248.73	12,218.93	7,080.66	153.80	152.96	-83.56	-1,314.32	-3,992.54	1,500.67	1,195.29	305.38	4.914		
12,400.00	7,248.91	12,318.85	7,081.00	156.56	155.74	-83.55	-1,313.79	-4,092.45	1,496.64	1,185.76	310.89	4.814		
12,500.00	7,249.10	12,418.77	7,081.35	159.32	158.52	-83.54	-1,313.27	-4,192.37	1,492.62	1,176.22	316.40	4.718		
12,600.00	7,249.28	12,518.69	7,081.69	162.09	161.30	-83.53	-1,312.74	-4,292.29	1,488.60	1,166.69	321.91	4.624		
12,700.00	7,249.46	12,618.61	7,082.03	164.86	164.09	-83.52	-1,312.22	-4,392.20	1,484.57	1,157.14	327.43	4.534		
12,800.00	7,249.64	12,718.53	7,082.38	167.63	166.87	-83.50	-1,311.70	-4,492.12	1,480.55	1,147.59	332.96	4.447		
12,900.00	7,249.83	12,818.44	7,082.72	170.40	169.66	-83.49	-1,311.17	-4,592.04	1,476.53	1,138.04	338.48	4.362		
13,000.00	7,250.01	12,918.36	7,083.06	173.18	172.46	-83.48	-1,310.65	-4,691.95	1,472.50	1,128.49	344.02	4.280		
13,100.00	7,250.19	13,018.28	7,083.41	175.96	175.25	-83.47	-1,310.12	-4,791.87	1,468.48	1,118.92	349.55	4.201		
13,200.00	7,250.37	13,118.20	7,083.75	178.74	178.05	-83.46	-1,309.60	-4,891.79	1,464.45	1,109.36	355.09	4.124		
13,300.00	7,250.56	13,218.12	7,084.09	181.52	180.85	-83.45	-1,309.08	-4,991.70	1,460.43	1,099.79	360.64	4.050		
13,400.00	7,250.74	13,318.04	7,084.44	184.31	183.65	-83.43	-1,308.55	-5,091.62	1,456.41	1,090.22	366.18	3.977		

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,500.00	7,250.92	13,417.96	7,084.78	187.09	186.45	-83.42	-1,308.03	-5,191.54	1,452.38	1,080.65	371.74	3.907		
13,600.00	7,251.10	13,517.87	7,085.12	189.88	189.26	-83.41	-1,307.50	-5,291.45	1,448.36	1,077.07	377.29	3.839		
13,700.00	7,251.29	13,617.79	7,085.47	192.67	192.06	-83.40	-1,306.98	-5,391.37	1,444.34	1,061.49	382.85	3.773		
13,800.00	7,251.47	13,717.71	7,085.81	195.47	194.87	-83.39	-1,306.46	-5,491.29	1,440.32	1,051.91	388.40	3.708		
13,900.00	7,251.65	13,817.63	7,086.16	198.26	197.68	-83.37	-1,305.93	-5,591.20	1,436.29	1,042.33	393.97	3.646		
14,000.00	7,251.83	13,917.55	7,086.50	201.05	200.49	-83.36	-1,305.41	-5,691.12	1,432.27	1,032.74	399.53	3.585		
14,100.00	7,252.01	14,017.47	7,086.84	203.85	203.30	-83.35	-1,304.88	-5,791.03	1,428.25	1,023.15	405.10	3.526		
14,200.00	7,252.20	14,117.39	7,087.19	206.65	206.12	-83.34	-1,304.36	-5,890.95	1,424.22	1,013.56	410.67	3.468		
14,300.00	7,252.38	14,217.30	7,087.53	209.45	208.93	-83.32	-1,303.83	-5,990.87	1,420.20	1,003.96	416.24	3.412		
14,400.00	7,252.56	14,317.22	7,087.87	212.25	211.75	-83.31	-1,303.31	-6,090.78	1,416.18	994.37	421.81	3.357		
14,500.00	7,252.74	14,417.14	7,088.22	215.05	214.56	-83.30	-1,302.79	-6,190.70	1,412.16	984.77	427.39	3.304		
14,600.00	7,252.93	14,517.06	7,088.56	217.86	217.38	-83.29	-1,302.26	-6,290.62	1,408.13	975.17	432.96	3.252		
14,700.00	7,253.11	14,616.98	7,088.90	220.66	220.20	-83.27	-1,301.74	-6,390.53	1,404.11	965.57	438.54	3.202		
14,800.00	7,253.29	14,716.90	7,089.25	223.47	223.02	-83.26	-1,301.21	-6,490.45	1,400.09	955.97	444.12	3.152		
14,900.00	7,253.47	14,816.82	7,089.59	226.27	225.84	-83.25	-1,300.69	-6,590.37	1,396.07	946.36	449.70	3.104		
15,000.00	7,253.66	14,916.73	7,089.93	229.08	228.66	-83.24	-1,300.17	-6,690.28	1,392.04	936.76	455.29	3.058		
15,100.00	7,253.84	15,016.65	7,090.28	231.89	231.49	-83.22	-1,299.64	-6,790.20	1,388.02	927.15	460.87	3.012		
15,200.00	7,254.02	15,116.57	7,090.62	234.70	234.31	-83.21	-1,299.12	-6,890.12	1,384.00	917.54	466.46	2.967		
15,300.00	7,254.20	15,216.49	7,090.96	237.51	237.13	-83.20	-1,298.59	-6,990.03	1,379.98	907.93	472.05	2.923		
15,400.00	7,254.39	15,287.63	7,091.21	240.32	239.14	-83.19	-1,298.06	-7,061.17	1,376.89	900.22	476.66	2.889		
15,500.00	7,254.57	15,369.05	7,091.49	243.13	241.43	-83.19	-1,300.99	-7,142.56	1,375.92	894.39	481.52	2.857		
15,600.00	7,254.75	15,469.05	7,091.85	245.94	244.25	-83.20	-1,303.93	-7,242.52	1,375.33	888.21	487.12	2.823		
15,700.00	7,254.93	15,569.05	7,092.20	248.76	247.06	-83.20	-1,306.87	-7,342.47	1,374.75	882.03	492.72	2.790		
15,800.00	7,255.12	15,669.04	7,092.55	251.57	249.88	-83.21	-1,309.81	-7,442.42	1,374.17	875.85	498.32	2.758		
15,900.00	7,255.30	15,769.04	7,092.90	254.39	252.69	-83.21	-1,312.75	-7,542.38	1,373.58	869.66	503.92	2.726		
16,000.00	7,255.48	15,869.04	7,093.25	257.20	255.51	-83.21	-1,315.69	-7,642.33	1,373.00	863.47	509.53	2.695		
16,100.00	7,255.66	15,969.04	7,093.61	260.02	258.33	-83.22	-1,318.63	-7,742.29	1,372.42	857.29	515.13	2.664		
16,200.00	7,255.85	16,069.04	7,093.96	262.84	261.14	-83.22	-1,321.57	-7,842.24	1,371.84	851.10	520.74	2.634		
16,300.00	7,256.03	16,169.03	7,094.31	265.65	263.96	-83.23	-1,324.51	-7,942.20	1,371.25	844.91	526.35	2.605		
16,400.00	7,256.21	16,269.03	7,094.66	268.47	266.78	-83.23	-1,327.45	-8,042.15	1,370.67	838.71	531.96	2.577		
16,500.00	7,256.39	16,369.03	7,095.01	271.29	269.60	-83.23	-1,330.39	-8,142.10	1,370.09	832.52	537.57	2.549		
16,600.00	7,256.58	16,469.03	7,095.36	274.11	272.42	-83.24	-1,333.33	-8,242.06	1,369.50	826.33	543.18	2.521		
16,700.00	7,256.76	16,569.03	7,095.72	276.93	275.24	-83.24	-1,336.27	-8,342.01	1,368.92	820.13	548.79	2.494		
16,800.00	7,256.94	16,669.03	7,096.07	279.75	278.06	-83.25	-1,339.21	-8,441.97	1,368.34	813.93	554.40	2.468		
16,900.00	7,257.12	16,769.02	7,096.42	282.57	280.89	-83.25	-1,342.15	-8,541.92	1,367.76	807.74	560.02	2.442		
17,000.00	7,257.30	16,869.02	7,096.77	285.40	283.71	-83.26	-1,345.09	-8,641.88	1,367.17	801.54	565.64	2.417		
17,100.00	7,257.49	16,969.02	7,097.12	288.22	286.53	-83.26	-1,348.03	-8,741.83	1,366.59	795.34	571.25	2.392		
17,200.00	7,257.67	17,069.02	7,097.47	291.04	289.36	-83.26	-1,350.98	-8,841.79	1,366.01	789.14	576.87	2.368		
17,300.00	7,257.85	17,169.02	7,097.83	293.87	292.18	-83.27	-1,353.92	-8,941.74	1,365.43	782.93	582.49	2.344		
17,400.00	7,258.03	17,269.02	7,098.18	296.69	295.01	-83.27	-1,356.86	-9,041.69	1,364.84	776.73	588.11	2.321		
17,500.00	7,258.22	17,369.01	7,098.53	299.51	297.83	-83.28	-1,359.80	-9,141.65	1,364.26	770.53	593.73	2.298		
17,600.00	7,258.40	17,469.01	7,098.88	302.34	300.66	-83.28	-1,362.74	-9,241.60	1,363.68	764.32	599.35	2.275		
17,700.00	7,258.58	17,569.01	7,099.23	305.16	303.48	-83.29	-1,365.68	-9,341.56	1,363.09	758.12	604.98	2.253		
17,800.00	7,258.76	17,669.01	7,099.58	307.99	306.31	-83.29	-1,368.62	-9,441.51	1,362.51	751.91	610.60	2.231		
17,900.00	7,258.95	17,769.01	7,099.94	310.82	309.14	-83.29	-1,371.56	-9,541.47	1,361.93	745.70	616.23	2.210		
18,000.00	7,259.13	17,869.00	7,100.29	313.64	311.97	-83.30	-1,374.50	-9,641.42	1,361.35	739.50	621.85	2.189		
18,100.00	7,259.31	17,969.00	7,100.64	316.47	314.79	-83.30	-1,377.44	-9,741.38	1,360.76	733.29	627.48	2.169		
18,200.00	7,259.49	18,069.00	7,100.99	319.30	317.62	-83.31	-1,380.38	-9,841.33	1,360.18	727.08	633.10	2.148		
18,300.00	7,259.68	18,169.00	7,101.34	322.12	320.45	-83.31	-1,383.32	-9,941.28	1,359.60	720.87	638.73	2.129		
18,400.00	7,259.86	18,269.00	7,101.69	324.95	323.28	-83.32	-1,386.26	-10,041.24	1,359.02	714.66	644.36	2.109		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,500.00	7,260.04	18,369.00	7,102.05	327.78	326.11	-83.32	-1,389.20	-10,141.19	1,358.43	708.44	649.99	2.090		
18,600.00	7,260.22	18,468.99	7,102.40	330.61	328.94	-83.32	-1,392.14	-10,241.15	1,357.85	702.23	655.62	2.071		
18,700.00	7,260.41	18,568.99	7,102.75	333.44	331.77	-83.33	-1,395.08	-10,341.10	1,357.27	696.02	661.25	2.053		
18,800.00	7,260.59	18,668.99	7,103.10	336.27	334.60	-83.33	-1,398.02	-10,441.06	1,356.68	689.80	666.88	2.034		
18,900.00	7,260.77	18,768.99	7,103.45	339.10	337.43	-83.34	-1,400.96	-10,541.01	1,356.10	683.59	672.51	2.016		
19,000.00	7,260.95	18,868.99	7,103.80	341.93	340.26	-83.34	-1,403.90	-10,640.96	1,355.52	677.37	678.15	1.999		
19,025.91	7,261.00	18,894.90	7,103.90	342.66	341.00	-83.34	-1,404.67	-10,666.87	1,355.37	675.76	679.61	1.994 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 30C-14-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-150.09	-1.39	150.10					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-150.09	-1.39	150.10	143.53	6.57	22.849		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-150.09	-1.39	150.10	143.43	6.67	22.490 CC, ES		
300.00	299.98	295.84	295.82	3.44	3.44	90.08	-151.42	-0.49	151.47	144.59	6.88	22.002		
400.00	399.84	391.54	391.40	3.60	3.58	90.83	-155.40	2.19	155.61	148.42	7.20	21.620		
500.00	499.45	486.97	486.49	3.81	3.77	92.00	-161.99	6.65	162.57	154.96	7.61	21.374		
600.00	598.70	581.98	580.85	4.05	3.99	93.45	-171.16	12.85	172.40	164.31	8.09	21.299		
700.00	697.47	676.45	674.25	4.34	4.25	95.06	-182.84	20.74	185.18	176.53	8.65	21.403		
800.00	795.62	770.24	766.49	4.66	4.54	96.72	-196.96	30.29	200.95	191.68	9.27	21.677		
849.22	843.68	816.13	811.39	4.84	4.70	97.53	-204.78	35.57	209.82	200.22	9.59	21.868		
900.00	893.16	863.29	857.38	5.02	4.87	98.42	-213.43	41.42	219.67	209.73	9.94	22.100		
1,000.00	990.60	955.69	946.96	5.41	5.23	99.58	-232.19	54.10	240.86	230.21	10.66	22.602		
1,100.00	1,088.05	1,047.31	1,035.01	5.83	5.62	100.07	-253.15	68.27	264.29	252.88	11.41	23.167		
1,200.00	1,185.49	1,137.95	1,121.28	6.26	6.03	100.05	-276.17	83.83	289.85	277.66	12.19	23.783		
1,300.00	1,282.93	1,229.58	1,207.61	6.70	6.48	99.65	-301.61	101.02	317.40	304.41	13.00	24.418		
1,400.00	1,380.37	1,325.53	1,297.77	7.15	6.98	99.21	-328.80	119.40	345.48	331.61	13.86	24.918		
1,500.00	1,477.82	1,421.48	1,387.94	7.62	7.50	98.84	-355.99	137.78	373.56	358.81	14.76	25.316		
1,600.00	1,575.26	1,517.43	1,478.10	8.09	8.03	98.53	-383.18	156.15	401.66	386.00	15.67	25.636		
1,700.00	1,672.70	1,613.37	1,568.26	8.57	8.57	98.25	-410.37	174.53	429.77	413.18	16.60	25.894		
1,800.00	1,770.15	1,709.32	1,658.42	9.05	9.12	98.01	-437.56	192.91	457.89	440.35	17.54	26.104		
1,900.00	1,867.59	1,805.27	1,748.58	9.54	9.68	97.79	-464.74	211.28	486.02	467.52	18.50	26.275		
2,000.00	1,965.03	1,901.22	1,838.75	10.03	10.24	97.60	-491.93	229.66	514.15	494.68	19.46	26.415		
2,100.00	2,062.48	2,002.83	1,928.91	10.53	10.85	97.43	-519.12	248.04	542.28	521.81	20.47	26.491		
2,200.00	2,159.92	2,093.12	2,019.07	11.03	11.39	97.27	-546.31	266.41	570.42	549.00	21.42	26.626		
2,300.00	2,257.36	2,189.07	2,109.23	11.53	11.97	97.13	-573.50	284.79	598.56	576.15	22.41	26.705		
2,400.00	2,354.81	2,285.01	2,199.40	12.03	12.55	97.00	-600.69	303.17	626.71	603.30	23.41	26.771		
2,500.00	2,452.25	2,380.96	2,289.56	12.54	13.14	96.89	-627.87	321.54	654.86	630.44	24.41	26.826		
2,600.00	2,549.69	2,476.91	2,379.72	13.04	13.72	96.78	-655.06	339.92	683.01	657.59	25.42	26.871		
2,700.00	2,647.13	2,572.86	2,469.88	13.55	14.32	96.68	-682.25	358.30	711.16	684.73	26.43	26.910		
2,800.00	2,744.58	2,668.81	2,560.04	14.06	14.91	96.59	-709.44	376.67	739.31	711.87	27.44	26.942		
2,900.00	2,842.02	2,764.76	2,650.21	14.57	15.50	96.51	-736.63	395.05	767.47	739.01	28.46	26.968		
3,000.00	2,939.46	2,860.71	2,740.37	15.09	16.10	96.43	-763.82	413.43	795.63	766.15	29.48	26.991		
3,100.00	3,036.91	2,956.65	2,830.53	15.60	16.70	96.36	-791.00	431.80	823.79	793.28	30.50	27.009		
3,200.00	3,134.35	3,052.60	2,920.69	16.11	17.29	96.29	-818.19	450.18	851.94	820.42	31.52	27.025		
3,300.00	3,231.79	3,148.55	3,010.85	16.63	17.89	96.22	-845.38	468.56	880.11	847.55	32.55	27.037		
3,400.00	3,329.24	3,244.50	3,101.02	17.14	18.49	96.16	-872.57	486.94	908.27	874.69	33.58	27.048		
3,500.00	3,426.68	3,340.45	3,191.18	17.66	19.10	96.11	-899.76	505.31	936.43	901.82	34.61	27.056		
3,600.00	3,524.12	3,436.40	3,281.34	18.18	19.70	96.06	-926.95	523.69	964.59	928.95	35.64	27.063		
3,700.00	3,621.57	3,532.35	3,371.50	18.69	20.30	96.01	-954.13	542.07	992.76	956.08	36.68	27.068		
3,800.00	3,719.01	3,628.29	3,461.67	19.21	20.91	95.96	-981.32	560.44	1,020.92	983.21	37.71	27.072		
3,900.00	3,816.45	3,724.24	3,551.83	19.73	21.51	95.91	-1,008.51	578.82	1,049.09	1,010.34	38.75	27.075		
4,000.00	3,913.90	3,820.19	3,641.99	20.25	22.11	95.87	-1,035.70	597.20	1,077.25	1,037.47	39.79	27.077		
4,100.00	4,011.34	3,916.14	3,732.15	20.77	22.72	95.83	-1,062.89	615.57	1,105.42	1,064.60	40.82	27.078		
4,200.00	4,108.78	4,012.09	3,822.31	21.29	23.33	95.79	-1,090.08	633.95	1,133.59	1,091.72	41.86	27.078		
4,300.00	4,206.22	4,108.04	3,912.48	21.81	23.93	95.76	-1,117.26	652.33	1,161.75	1,118.85	42.90	27.078		
4,400.00	4,303.67	4,203.98	4,002.64	22.33	24.54	95.72	-1,144.45	670.70	1,189.92	1,145.98	43.94	27.078		
4,500.00	4,401.11	4,300.07	4,092.80	22.85	25.15	95.69	-1,171.64	689.08	1,218.09	1,173.10	44.99	27.076		
4,600.00	4,498.55	4,395.88	4,182.96	23.37	25.76	95.66	-1,198.83	707.46	1,246.26	1,200.23	46.03	27.075		
4,700.00	4,596.00	4,508.17	4,273.12	23.89	26.47	95.63	-1,226.02	725.83	1,274.43	1,227.26	47.17	27.020		
4,800.00	4,693.44	4,587.78	4,363.29	24.41	26.97	95.60	-1,253.21	744.21	1,302.59	1,254.48	48.12	27.072		
4,900.00	4,790.88	4,683.73	4,453.45	24.93	27.58	95.57	-1,280.39	762.59	1,330.76	1,281.60	49.16	27.069		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,888.33	4,779.68	4,543.61	25.46	28.19	95.54	-1,307.58	780.96	1,358.93	1,308.73	50.21	27.067			
5,100.00	4,985.77	4,875.62	4,633.77	25.98	28.80	95.52	-1,334.77	799.34	1,387.10	1,335.85	51.25	27.064			
5,200.00	5,083.21	4,971.57	4,723.93	26.50	29.41	95.49	-1,361.96	817.72	1,415.27	1,362.97	52.30	27.061			
5,300.00	5,180.66	5,067.52	4,814.10	27.02	30.02	95.47	-1,389.15	836.09	1,443.44	1,390.10	53.35	27.058			
5,400.00	5,278.10	5,163.47	4,904.26	27.55	30.63	95.45	-1,416.34	854.47	1,471.61	1,417.22	54.39	27.055			
5,500.00	5,375.54	5,259.42	4,994.42	28.07	31.24	95.43	-1,443.52	872.85	1,499.79	1,444.34	55.44	27.052			
5,582.90	5,456.32	5,338.96	5,069.16	28.50	31.75	95.41	-1,466.06	888.08	1,523.14	1,466.83	56.31	27.049			
5,600.00	5,473.00	5,355.37	5,084.58	28.59	31.85	95.50	-1,470.71	891.22	1,527.95	1,471.46	56.49	27.049			
5,700.00	5,570.93	5,451.33	5,174.76	29.10	32.46	95.97	-1,497.91	909.60	1,555.90	1,498.39	57.51	27.054			
5,800.00	5,669.52	5,547.24	5,264.88	29.57	33.07	96.31	-1,525.08	927.97	1,583.52	1,525.03	58.50	27.070			
5,900.00	5,768.62	5,642.96	5,354.83	30.03	33.68	96.52	-1,552.21	946.31	1,610.81	1,551.37	59.45	27.097			
6,000.00	5,868.13	5,738.39	5,444.51	30.45	34.29	96.61	-1,579.25	964.58	1,637.80	1,577.44	60.36	27.134			
6,100.00	5,967.93	5,833.40	5,533.79	30.86	34.89	96.59	-1,606.17	982.78	1,664.53	1,603.30	61.24	27.182			
6,200.00	6,067.88	5,927.89	5,622.58	31.24	35.50	96.47	-1,632.94	1,000.88	1,691.07	1,628.99	62.08	27.241			
6,232.12	6,100.00	5,958.10	5,650.97	31.36	35.69	-172.87	-1,641.51	1,006.66	1,699.56	1,637.22	62.34	27.263			
6,300.00	6,167.88	6,021.89	5,710.91	31.61	36.10	-173.37	-1,659.58	1,018.88	1,717.56	1,654.67	62.89	27.312			
6,400.00	6,267.88	6,115.86	5,799.21	31.97	36.69	-174.09	-1,686.21	1,036.88	1,744.29	1,680.60	63.69	27.387			
6,500.00	6,367.88	6,209.83	5,887.51	32.34	37.29	-174.78	-1,712.84	1,054.88	1,771.29	1,706.79	64.50	27.462			
6,600.00	6,467.88	6,303.80	5,975.82	32.70	37.89	-175.45	-1,739.46	1,072.87	1,798.53	1,733.22	65.31	27.539			
6,700.00	6,567.88	6,397.77	6,064.12	33.07	38.49	-176.11	-1,766.09	1,090.87	1,826.00	1,759.88	66.12	27.616			
6,736.50	6,604.38	6,432.07	6,096.35	33.21	38.71	-176.34	-1,775.81	1,097.44	1,836.09	1,769.67	66.42	27.645			
6,750.00	6,617.88	6,444.72	6,108.24	33.25	38.79	-88.99	-1,779.40	1,099.87	1,839.82	1,773.30	66.52	27.657			
6,800.00	6,667.77	6,490.99	6,151.72	33.43	39.09	-88.10	-1,792.51	1,108.73	1,853.66	1,786.75	66.91	27.706			
6,850.00	6,717.28	6,536.08	6,194.09	33.60	39.38	-87.30	-1,805.29	1,117.36	1,867.48	1,800.21	67.27	27.761			
6,900.00	6,766.09	6,579.73	6,235.11	33.79	39.65	-86.59	-1,817.65	1,125.72	1,881.31	1,813.69	67.62	27.821			
6,950.00	6,813.90	6,621.66	6,274.51	33.99	39.92	-85.93	-1,829.53	1,133.75	1,895.17	1,827.21	67.96	27.885			
7,000.00	6,860.42	6,661.61	6,312.05	34.20	40.18	-85.33	-1,840.86	1,141.41	1,909.09	1,840.80	68.29	27.954			
7,050.00	6,905.36	6,699.34	6,347.51	34.42	40.42	-84.74	-1,851.55	1,148.63	1,923.13	1,854.51	68.62	28.027			
7,100.00	6,948.45	6,734.62	6,380.65	34.67	40.64	-84.16	-1,861.54	1,155.39	1,937.31	1,868.38	68.93	28.104			
7,150.00	6,989.41	6,767.22	6,411.29	34.94	40.85	-83.55	-1,870.78	1,161.63	1,951.71	1,882.46	69.25	28.185			
7,200.00	7,028.00	6,803.05	6,439.23	35.24	41.08	-82.89	-1,879.21	1,167.33	1,966.35	1,896.76	69.59	28.255			
7,250.00	7,063.98	6,823.62	6,464.29	35.56	41.21	-82.16	-1,886.76	1,172.43	1,981.29	1,911.41	69.87	28.355			
7,300.00	7,097.13	6,847.07	6,486.33	35.92	41.36	-81.35	-1,893.41	1,176.93	1,996.54	1,926.35	70.19	28.443			
7,350.00	7,127.23	6,867.16	6,505.20	36.32	41.49	-80.44	-1,899.10	1,180.77	2,012.13	1,941.61	70.52	28.532			
7,400.00	7,154.12	6,894.33	6,530.82	36.75	41.66	-79.72	-1,906.83	1,185.52	2,028.01	1,957.04	70.97	28.576			
7,450.00	7,177.61	6,924.33	6,559.29	37.22	41.83	-79.05	-1,915.43	1,189.43	2,044.09	1,972.60	71.49	28.593			
7,500.00	7,197.57	6,956.33	6,589.80	37.73	42.01	-78.44	-1,924.67	1,192.05	2,060.33	1,988.26	72.07	28.588			
7,550.00	7,213.88	6,991.68	6,623.61	38.28	42.19	-77.90	-1,934.92	1,193.09	2,076.69	2,003.97	72.72	28.559			
7,600.00	7,226.42	7,033.28	6,663.39	38.87	42.37	-77.54	-1,947.00	1,191.79	2,093.11	2,019.67	73.44	28.501			
7,650.00	7,235.13	7,088.54	6,715.94	39.48	42.58	-77.55	-1,963.01	1,185.88	2,109.50	2,035.22	74.28	28.398			
7,700.00	7,239.95	7,183.34	6,804.23	40.12	42.87	-78.62	-1,990.00	1,164.73	2,125.71	2,050.32	75.38	28.199			
7,735.44	7,241.00	7,343.20	6,943.04	40.59	43.23	-81.64	-2,032.75	1,098.97	2,136.69	2,060.03	76.66	27.873			
7,800.00	7,241.11	8,012.83	7,232.22	41.47	45.96	-89.77	-2,125.84	536.29	2,146.50	2,062.29	84.22	25.488			
7,900.00	7,241.27	8,112.63	7,233.03	42.96	46.83	-89.79	-2,127.02	436.49	2,152.76	2,065.74	87.02	24.740			
8,000.00	7,241.44	8,212.43	7,233.84	44.59	47.88	-89.80	-2,128.21	336.70	2,159.02	2,068.93	90.09	23.965			
8,100.00	7,241.61	8,312.23	7,234.64	46.34	49.11	-89.82	-2,129.40	236.91	2,165.28	2,071.86	93.41	23.180			
8,200.00	7,241.77	8,412.03	7,235.45	48.20	50.50	-89.84	-2,130.59	137.12	2,171.53	2,074.58	96.96	22.397			
8,300.00	7,241.94	8,511.84	7,236.25	50.16	52.06	-89.86	-2,131.78	37.33	2,177.79	2,077.09	100.70	21.626			
8,400.00	7,242.11	8,611.64	7,237.06	52.20	53.74	-89.87	-2,132.97	-62.46	2,184.05	2,079.42	104.63	20.875			
8,500.00	7,242.27	8,711.44	7,237.87	54.31	55.55	-89.89	-2,134.16	-162.25	2,190.31	2,081.60	108.71	20.148			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Falken 30C-14-S - OH - Plan #1		Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)					
8,600.00	7,242.44	8,811.24	7,238.67	56.49	57.46	-89.91	-2,135.35	-262.05	2,196.57	2,083.63	112.93	19.450				
8,700.00	7,242.60	8,911.04	7,239.48	58.73	59.46	-89.92	-2,136.54	-361.84	2,202.83	2,085.54	117.28	18.782				
8,800.00	7,242.77	9,010.85	7,240.29	61.03	61.55	-89.94	-2,137.73	-461.63	2,209.08	2,087.34	121.75	18.145				
8,900.00	7,242.94	9,110.65	7,241.09	63.37	63.70	-89.96	-2,138.92	-561.42	2,215.34	2,089.03	126.31	17.539				
9,000.00	7,243.10	9,210.45	7,241.90	65.75	65.91	-89.97	-2,140.10	-661.21	2,221.60	2,090.64	130.97	16.963				
9,100.00	7,243.27	9,310.25	7,242.70	68.18	68.17	-89.99	-2,141.29	-761.00	2,227.86	2,092.16	135.70	16.417				
9,200.00	7,243.44	9,410.05	7,243.51	70.63	70.48	-90.01	-2,142.48	-860.79	2,234.12	2,093.61	140.51	15.900				
9,300.00	7,243.60	9,509.85	7,244.32	73.12	72.83	-90.02	-2,143.67	-960.59	2,240.38	2,095.00	145.39	15.410				
9,400.00	7,243.77	9,609.66	7,245.12	75.63	75.23	-90.04	-2,144.86	-1,060.38	2,246.64	2,096.32	150.32	14.946				
9,500.00	7,243.94	9,709.46	7,245.93	78.17	77.65	-90.06	-2,146.05	-1,160.17	2,252.90	2,097.60	155.30	14.506				
9,600.00	7,244.10	9,809.26	7,246.73	80.73	80.10	-90.07	-2,147.24	-1,259.96	2,259.16	2,098.82	160.34	14.090				
9,700.00	7,244.27	9,909.06	7,247.54	83.31	82.59	-90.09	-2,148.43	-1,359.75	2,265.42	2,100.00	165.42	13.695				
9,800.00	7,244.44	10,008.86	7,248.35	85.91	85.09	-90.10	-2,149.62	-1,459.54	2,271.68	2,101.14	170.54	13.320				
9,900.00	7,244.60	10,108.67	7,249.15	88.53	87.62	-90.12	-2,150.81	-1,559.34	2,277.95	2,102.24	175.70	12.965				
10,000.00	7,244.77	10,208.47	7,249.96	91.16	90.17	-90.14	-2,152.00	-1,659.13	2,284.21	2,103.31	180.89	12.627				
10,100.00	7,244.94	10,308.27	7,250.77	93.81	92.74	-90.15	-2,153.19	-1,758.92	2,290.47	2,104.35	186.11	12.307				
10,200.00	7,245.10	10,408.07	7,251.57	96.46	95.32	-90.17	-2,154.37	-1,858.71	2,296.73	2,105.37	191.36	12.002				
10,300.00	7,245.27	10,507.87	7,252.38	99.14	97.92	-90.18	-2,155.56	-1,958.50	2,302.99	2,106.35	196.64	11.712				
10,400.00	7,245.43	10,607.68	7,253.18	101.82	100.53	-90.20	-2,156.75	-2,058.29	2,309.25	2,107.31	201.94	11.435				
10,500.00	7,245.60	10,707.48	7,253.99	104.51	103.16	-90.21	-2,157.94	-2,158.08	2,315.52	2,108.25	207.26	11.172				
10,600.00	7,245.77	10,807.28	7,254.80	107.21	105.80	-90.23	-2,159.13	-2,257.88	2,321.78	2,109.17	212.61	10.921				
10,700.00	7,245.93	10,907.08	7,255.60	109.92	108.45	-90.24	-2,160.32	-2,357.67	2,328.04	2,110.07	217.97	10.681				
10,800.00	7,246.10	11,006.88	7,256.41	112.64	111.11	-90.26	-2,161.51	-2,457.46	2,334.30	2,110.96	223.35	10.452				
10,900.00	7,246.27	11,106.68	7,257.22	115.37	113.78	-90.27	-2,162.70	-2,557.25	2,340.57	2,111.82	228.74	10.232				
11,000.00	7,246.43	11,206.49	7,258.02	118.10	116.46	-90.29	-2,163.89	-2,657.04	2,346.83	2,112.68	234.15	10.023				
11,100.00	7,246.60	11,306.29	7,258.83	120.84	119.14	-90.30	-2,165.08	-2,756.83	2,353.09	2,113.51	239.58	9.822				
11,200.00	7,246.77	11,406.09	7,259.63	123.58	121.84	-90.32	-2,166.27	-2,856.62	2,359.35	2,114.34	245.02	9.629				
11,300.00	7,246.93	11,505.89	7,260.44	126.34	124.54	-90.33	-2,167.46	-2,956.42	2,365.62	2,115.15	250.47	9.445				
11,340.34	7,247.00	11,546.15	7,260.77	127.45	125.63	-90.34	-2,167.93	-2,996.67	2,368.14	2,115.48	252.67	9.373				
11,400.00	7,247.10	11,605.73	7,261.25	129.09	127.25	-90.35	-2,168.64	-3,056.24	2,371.26	2,115.33	255.93	9.265				
11,500.00	7,247.27	11,705.69	7,262.05	131.84	129.96	-90.36	-2,169.84	-3,156.20	2,373.70	2,112.30	261.40	9.081				
11,586.15	7,247.43	11,791.83	7,262.75	134.20	132.31	-90.37	-2,170.86	-3,242.32	2,373.00	2,106.89	266.11	8.917				
11,600.00	7,247.45	11,805.68	7,262.86	134.57	132.69	-90.37	-2,171.03	-3,256.17	2,372.68	2,105.82	266.87	8.891				
11,700.00	7,247.64	11,905.65	7,263.67	137.31	135.42	-90.39	-2,172.22	-3,356.13	2,370.37	2,098.03	272.34	8.704				
11,800.00	7,247.82	12,005.62	7,264.48	140.05	138.15	-90.40	-2,173.41	-3,456.09	2,368.06	2,090.23	277.83	8.524				
11,900.00	7,248.00	12,105.59	7,265.28	142.79	140.89	-90.42	-2,174.60	-3,556.06	2,365.75	2,082.43	283.32	8.350				
12,000.00	7,248.18	12,205.56	7,266.09	145.53	143.64	-90.43	-2,175.79	-3,656.02	2,363.44	2,074.62	288.82	8.183				
12,100.00	7,248.37	12,305.54	7,266.90	148.28	146.39	-90.45	-2,176.98	-3,755.98	2,361.13	2,066.80	294.32	8.022				
12,200.00	7,248.55	12,405.51	7,267.71	151.04	149.14	-90.46	-2,178.17	-3,855.94	2,358.81	2,058.98	299.84	7.867				
12,300.00	7,248.73	12,505.48	7,268.51	153.80	151.90	-90.48	-2,179.37	-3,955.90	2,356.50	2,051.14	305.36	7.717				
12,400.00	7,248.91	12,605.45	7,269.32	156.56	154.66	-90.49	-2,180.56	-4,055.86	2,354.19	2,043.31	310.89	7.572				
12,500.00	7,249.10	12,705.42	7,270.13	159.32	157.42	-90.51	-2,181.75	-4,155.82	2,351.88	2,035.46	316.42	7.433				
12,600.00	7,249.28	12,805.39	7,270.94	162.09	160.19	-90.53	-2,182.94	-4,255.78	2,349.57	2,027.61	321.96	7.298				
12,700.00	7,249.46	12,905.36	7,271.75	164.86	162.96	-90.54	-2,184.13	-4,355.74	2,347.26	2,019.76	327.51	7.167				
12,800.00	7,249.64	13,005.33	7,272.55	167.63	165.73	-90.56	-2,185.32	-4,455.70	2,344.95	2,011.90	333.06	7.041				
12,900.00	7,249.83	13,105.31	7,273.36	170.40	168.51	-90.57	-2,186.51	-4,555.66	2,342.64	2,004.03	338.61	6.918				
13,000.00	7,250.01	13,205.28	7,274.17	173.18	171.29	-90.59	-2,187.70	-4,655.63	2,340.33	1,996.16	344.17	6.800				
13,100.00	7,250.19	13,305.25	7,274.98	175.96	174.07	-90.61	-2,188.89	-4,755.59	2,338.02	1,988.29	349.74	6.685				
13,200.00	7,250.37	13,405.22	7,275.78	178.74	176.85	-90.62	-2,190.09	-4,855.55	2,335.71	1,980.41	355.30	6.574				
13,300.00	7,250.56	13,505.19	7,276.59	181.52	179.64	-90.64	-2,191.28	-4,955.51	2,333.41	1,972.53	360.88	6.466				
13,400.00	7,250.74	13,555.88	7,277.00	184.31	181.05	-90.65	-2,191.88	-5,006.20	2,331.62	1,966.86	364.76	6.392				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,404.56	7,250.75	13,555.88	7,277.00	184.43	181.05	-90.65	-2,191.88	-5,006.20	2,331.61	1,966.76	364.85	6.391		
13,500.00	7,250.92	13,555.88	7,277.00	187.09	181.05	-90.65	-2,191.88	-5,006.20	2,333.57	1,967.13	366.43	6.368		
13,600.00	7,251.10	13,555.88	7,277.00	189.88	181.05	-90.65	-2,191.88	-5,006.20	2,339.79	1,972.33	367.46	6.368 SF		
13,700.00	7,251.29	13,555.88	7,277.00	192.67	181.05	-90.65	-2,191.88	-5,006.20	2,350.26	1,982.42	367.84	6.389		
13,800.00	7,251.47	13,555.88	7,277.00	195.47	181.05	-90.65	-2,191.88	-5,006.20	2,364.91	1,997.31	367.60	6.433		
13,900.00	7,251.65	13,555.88	7,277.00	198.26	181.05	-90.65	-2,191.88	-5,006.20	2,383.67	2,016.92	366.75	6.499		
14,000.00	7,251.83	13,555.88	7,277.00	201.05	181.05	-90.65	-2,191.88	-5,006.20	2,406.44	2,041.10	365.34	6.587		
14,100.00	7,252.01	13,555.88	7,277.00	203.85	181.05	-90.65	-2,191.88	-5,006.20	2,433.12	2,069.72	363.40	6.695		
14,200.00	7,252.20	13,555.88	7,277.00	206.65	181.05	-90.65	-2,191.88	-5,006.20	2,463.56	2,102.59	360.98	6.825		
14,300.00	7,252.38	13,555.88	7,277.00	209.45	181.05	-90.65	-2,191.88	-5,006.20	2,497.65	2,139.53	358.12	6.974		
14,400.00	7,252.56	13,555.88	7,277.00	212.25	181.05	-90.65	-2,191.88	-5,006.20	2,535.22	2,180.34	354.87	7.144		
14,500.00	7,252.74	13,555.88	7,277.00	215.05	181.05	-90.65	-2,191.88	-5,006.20	2,576.12	2,224.83	351.29	7.333		
14,600.00	7,252.93	13,555.88	7,277.00	217.86	181.05	-90.65	-2,191.88	-5,006.20	2,620.21	2,272.78	347.43	7.542		
14,700.00	7,253.11	13,555.88	7,277.00	220.66	181.05	-90.65	-2,191.88	-5,006.20	2,667.32	2,323.99	343.33	7.769		
14,800.00	7,253.29	13,555.88	7,277.00	223.47	181.05	-90.65	-2,191.88	-5,006.20	2,717.29	2,378.26	339.04	8.015		
14,900.00	7,253.47	13,555.88	7,277.00	226.27	181.05	-90.65	-2,191.88	-5,006.20	2,769.98	2,435.38	334.60	8.279		
15,000.00	7,253.66	13,555.88	7,277.00	229.08	181.05	-90.65	-2,191.88	-5,006.20	2,825.22	2,495.17	330.04	8.560		
15,100.00	7,253.84	13,555.88	7,277.00	231.89	181.05	-90.65	-2,191.88	-5,006.20	2,882.87	2,557.45	325.42	8.859		
15,200.00	7,254.02	13,555.88	7,277.00	234.70	181.05	-90.65	-2,191.88	-5,006.20	2,942.79	2,622.05	320.75	9.175		
15,300.00	7,254.20	13,555.88	7,277.00	237.51	181.05	-90.65	-2,191.88	-5,006.20	3,004.85	2,688.79	316.06	9.507		
15,400.00	7,254.39	13,555.88	7,277.00	240.32	181.05	-90.65	-2,191.88	-5,006.20	3,068.91	2,757.53	311.38	9.856		
15,500.00	7,254.57	13,555.88	7,277.00	243.13	181.05	-90.65	-2,191.88	-5,006.20	3,134.85	2,828.12	306.73	10.220		
15,600.00	7,254.75	13,555.88	7,277.00	245.94	181.05	-90.65	-2,191.88	-5,006.20	3,202.56	2,900.44	302.12	10.600		
15,700.00	7,254.93	13,555.88	7,277.00	248.76	181.05	-90.65	-2,191.88	-5,006.20	3,271.92	2,974.35	297.58	10.995		
15,800.00	7,255.12	13,555.88	7,277.00	251.57	181.05	-90.65	-2,191.88	-5,006.20	3,342.84	3,049.74	293.10	11.405		
15,900.00	7,255.30	13,555.88	7,277.00	254.39	181.05	-90.65	-2,191.88	-5,006.20	3,415.21	3,126.50	288.71	11.829		
16,000.00	7,255.48	13,555.88	7,277.00	257.20	181.05	-90.65	-2,191.88	-5,006.20	3,488.95	3,204.54	284.40	12.268		
16,100.00	7,255.66	13,555.88	7,277.00	260.02	181.05	-90.65	-2,191.88	-5,006.20	3,563.96	3,283.77	280.19	12.720		
16,200.00	7,255.85	13,555.88	7,277.00	262.84	181.05	-90.65	-2,191.88	-5,006.20	3,640.18	3,364.10	276.08	13.185		
16,300.00	7,256.03	13,555.88	7,277.00	265.65	181.05	-90.65	-2,191.88	-5,006.20	3,717.53	3,445.45	272.08	13.664		
16,400.00	7,256.21	13,555.88	7,277.00	268.47	181.05	-90.65	-2,191.88	-5,006.20	3,795.93	3,527.76	268.17	14.155		
16,500.00	7,256.39	13,555.88	7,277.00	271.29	181.05	-90.65	-2,191.88	-5,006.20	3,875.33	3,610.95	264.38	14.658		
16,600.00	7,256.58	13,555.88	7,277.00	274.11	181.05	-90.65	-2,191.88	-5,006.20	3,955.66	3,694.97	260.69	15.174		
16,700.00	7,256.76	13,555.88	7,277.00	276.93	181.05	-90.65	-2,191.88	-5,006.20	4,036.88	3,779.77	257.11	15.701		
16,800.00	7,256.94	13,555.88	7,277.00	279.75	181.05	-90.65	-2,191.88	-5,006.20	4,118.91	3,865.29	253.63	16.240		
16,900.00	7,257.12	13,555.88	7,277.00	282.57	181.05	-90.65	-2,191.88	-5,006.20	4,201.73	3,951.48	250.25	16.790		
17,000.00	7,257.30	13,555.88	7,277.00	285.40	181.05	-90.65	-2,191.88	-5,006.20	4,285.28	4,038.30	246.98	17.351		
17,100.00	7,257.49	13,555.88	7,277.00	288.22	181.05	-90.65	-2,191.88	-5,006.20	4,369.52	4,125.71	243.81	17.922		
17,200.00	7,257.67	13,555.88	7,277.00	291.04	181.05	-90.65	-2,191.88	-5,006.20	4,454.41	4,213.68	240.74	18.503		
17,300.00	7,257.85	13,555.88	7,277.00	293.87	181.05	-90.65	-2,191.88	-5,006.20	4,539.92	4,302.16	237.76	19.095		
17,400.00	7,258.03	13,555.88	7,277.00	296.69	181.05	-90.65	-2,191.88	-5,006.20	4,626.01	4,391.14	234.87	19.696		
17,500.00	7,258.22	13,555.88	7,277.00	299.51	181.05	-90.65	-2,191.88	-5,006.20	4,712.65	4,480.57	232.08	20.306		
17,600.00	7,258.40	13,555.88	7,277.00	302.34	181.05	-90.65	-2,191.88	-5,006.20	4,799.81	4,570.43	229.38	20.926		
17,700.00	7,258.58	13,555.88	7,277.00	305.16	181.05	-90.65	-2,191.88	-5,006.20	4,887.46	4,660.70	226.76	21.554		
17,800.00	7,258.76	13,555.88	7,277.00	307.99	181.05	-90.65	-2,191.88	-5,006.20	4,975.57	4,751.35	224.22	22.191		
17,900.00	7,258.95	13,555.88	7,277.00	310.82	181.05	-90.65	-2,191.88	-5,006.20	5,064.13	4,842.37	221.76	22.836		
18,000.00	7,259.13	13,555.88	7,277.00	313.64	181.05	-90.65	-2,191.88	-5,006.20	5,153.11	4,933.72	219.39	23.489		
18,100.00	7,259.31	13,555.88	7,277.00	316.47	181.05	-90.65	-2,191.88	-5,006.20	5,242.48	5,025.40	217.08	24.150		
18,200.00	7,259.49	13,555.88	7,277.00	319.30	181.05	-90.65	-2,191.88	-5,006.20	5,332.23	5,117.38	214.85	24.818		
18,300.00	7,259.68	13,555.88	7,277.00	322.12	181.05	-90.65	-2,191.88	-5,006.20	5,422.34	5,209.65	212.69	25.494		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 30C-14-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	13,555.88	7,277.00	324.95	181.05	-90.65	-2,191.88	-5,006.20	5,512.79	5,302.19	210.60	26.177		
18,500.00	7,260.04	13,555.88	7,277.00	327.78	181.05	-90.65	-2,191.88	-5,006.20	5,603.57	5,394.99	208.57	26.866		
18,600.00	7,260.22	13,555.88	7,277.00	330.61	181.05	-90.65	-2,191.88	-5,006.20	5,694.65	5,488.04	206.61	27.562		
18,700.00	7,260.41	13,555.88	7,277.00	333.44	181.05	-90.65	-2,191.88	-5,006.20	5,786.03	5,581.32	204.71	28.265		
18,800.00	7,260.59	13,555.88	7,277.00	336.27	181.05	-90.65	-2,191.88	-5,006.20	5,877.69	5,674.83	202.86	28.974		
18,900.00	7,260.77	13,555.88	7,277.00	339.10	181.05	-90.65	-2,191.88	-5,006.20	5,969.62	5,768.54	201.08	29.688		
19,000.00	7,260.95	13,555.88	7,277.00	341.93	181.05	-90.65	-2,191.88	-5,006.20	6,061.80	5,862.46	199.34	30.409		
19,025.91	7,261.00	13,555.88	7,277.00	342.66	181.05	-90.65	-2,191.88	-5,006.20	6,085.73	5,886.82	198.90	30.596		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Falken 30N-14B-S - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
0.00	0.00	0.00	0.00	3.28	3.28	-179.41	-135.16	-1.39	135.17								
100.00	100.00	100.00	100.00	3.28	3.28	-179.41	-135.16	-1.39	135.17	128.60	6.57	20.576					
200.00	200.00	200.00	200.00	3.34	3.34	-179.41	-135.16	-1.39	135.17	128.49	6.67	20.253	CC, ES				
300.00	299.98	296.31	296.29	3.44	3.44	90.16	-136.48	-0.45	136.52	129.64	6.88	19.830					
400.00	399.84	392.49	392.34	3.60	3.58	90.95	-140.41	2.38	140.60	133.40	7.20	19.532					
500.00	499.45	488.40	487.91	3.81	3.77	92.17	-146.95	7.06	147.46	139.85	7.61	19.384					
600.00	598.70	583.92	582.77	4.05	4.00	93.68	-156.03	13.58	157.15	149.06	8.10	19.409					
700.00	697.47	678.91	676.68	4.34	4.26	95.34	-167.61	21.89	169.75	161.09	8.66	19.610					
800.00	795.62	773.26	769.44	4.66	4.56	97.04	-181.61	31.93	185.28	176.00	9.28	19.973					
849.22	843.68	819.43	814.62	4.84	4.71	97.85	-189.37	37.49	194.01	184.41	9.60	20.203					
900.00	893.16	866.90	860.89	5.02	4.89	98.73	-197.95	43.65	203.70	193.75	9.95	20.473					
1,000.00	990.60	959.90	951.02	5.41	5.25	99.81	-216.58	57.01	224.52	213.85	10.67	21.039					
1,100.00	1,088.05	1,052.12	1,039.62	5.83	5.64	100.18	-237.39	71.93	247.51	236.08	11.43	21.656					
1,200.00	1,185.49	1,143.39	1,126.43	6.26	6.06	100.00	-260.25	88.33	272.58	260.36	12.22	22.314					
1,300.00	1,282.93	1,236.51	1,214.17	6.70	6.52	99.46	-285.61	106.52	299.49	286.45	13.04	22.967					
1,400.00	1,380.37	1,332.70	1,304.65	7.15	7.02	98.94	-312.12	125.53	326.71	312.80	13.91	23.485					
1,500.00	1,477.82	1,428.88	1,395.13	7.62	7.54	98.50	-338.63	144.55	353.96	339.15	14.81	23.903					
1,600.00	1,575.26	1,525.06	1,485.61	8.09	8.07	98.12	-365.15	163.57	381.22	365.49	15.72	24.243					
1,700.00	1,672.70	1,621.25	1,576.09	8.57	8.61	97.80	-391.66	182.58	408.50	391.84	16.66	24.522					
1,800.00	1,770.15	1,717.43	1,666.57	9.05	9.17	97.51	-418.17	201.60	435.78	418.17	17.61	24.751					
1,900.00	1,867.59	1,813.61	1,757.05	9.54	9.73	97.26	-444.69	220.62	463.08	444.51	18.57	24.942					
2,000.00	1,965.03	1,909.80	1,847.53	10.03	10.29	97.03	-471.20	239.63	490.38	470.84	19.54	25.100					
2,100.00	2,062.48	2,005.98	1,938.01	10.53	10.86	96.83	-497.72	258.65	517.69	497.17	20.52	25.233					
2,200.00	2,159.92	2,102.17	2,028.49	11.03	11.44	96.65	-524.23	277.67	545.00	523.50	21.50	25.346					
2,300.00	2,257.36	2,198.35	2,118.97	11.53	12.02	96.49	-550.74	296.69	572.32	549.82	22.50	25.441					
2,400.00	2,354.81	2,305.47	2,209.45	12.03	12.67	96.34	-577.26	315.70	599.64	576.09	23.55	25.457					
2,500.00	2,452.25	2,409.28	2,299.93	12.54	13.30	96.20	-603.77	334.72	626.97	602.37	24.60	25.485					
2,600.00	2,549.69	2,486.90	2,390.41	13.04	13.78	96.08	-630.28	353.74	654.30	628.79	25.51	25.650					
2,700.00	2,647.13	2,583.09	2,480.89	13.55	14.37	95.96	-656.80	372.75	681.63	655.11	26.52	25.701					
2,800.00	2,744.58	2,679.27	2,571.37	14.06	14.96	95.86	-683.31	391.77	708.96	681.43	27.54	25.746					
2,900.00	2,842.02	2,775.45	2,661.85	14.57	15.55	95.76	-709.83	410.79	736.30	707.74	28.56	25.784					
3,000.00	2,939.46	2,871.64	2,752.33	15.09	16.15	95.67	-736.34	429.80	763.64	734.06	29.58	25.817					
3,100.00	3,036.91	2,967.82	2,842.81	15.60	16.75	95.58	-762.85	448.82	790.98	760.37	30.60	25.846					
3,200.00	3,134.35	3,064.00	2,933.30	16.11	17.35	95.50	-789.37	467.84	818.32	786.69	31.63	25.871					
3,300.00	3,231.79	3,160.19	3,023.78	16.63	17.95	95.43	-815.88	486.86	845.66	813.00	32.66	25.893					
3,400.00	3,329.24	3,256.37	3,114.26	17.14	18.55	95.36	-842.39	505.87	873.00	839.31	33.69	25.912					
3,500.00	3,426.68	3,352.56	3,204.74	17.66	19.15	95.30	-868.91	524.89	900.35	865.62	34.72	25.929					
3,600.00	3,524.12	3,448.74	3,295.22	18.18	19.75	95.24	-895.42	543.91	927.69	891.94	35.76	25.944					
3,700.00	3,621.57	3,544.92	3,385.70	18.69	20.36	95.18	-921.93	562.92	955.04	918.25	36.79	25.956					
3,800.00	3,719.01	3,641.11	3,476.18	19.21	20.96	95.12	-948.45	581.94	982.39	944.56	37.83	25.968					
3,900.00	3,816.45	3,737.29	3,566.66	19.73	21.57	95.07	-974.96	600.96	1,009.74	970.87	38.87	25.978					
4,000.00	3,913.90	3,833.48	3,657.14	20.25	22.17	95.02	-1,001.48	619.97	1,037.09	997.18	39.91	25.986					
4,100.00	4,011.34	3,929.66	3,747.62	20.77	22.78	94.98	-1,027.99	638.99	1,064.44	1,023.49	40.95	25.994					
4,200.00	4,108.78	4,025.84	3,838.10	21.29	23.38	94.93	-1,054.50	658.01	1,091.79	1,049.79	41.99	26.000					
4,300.00	4,206.22	4,122.03	3,928.58	21.81	23.99	94.89	-1,081.02	677.02	1,119.14	1,076.10	43.03	26.006					
4,400.00	4,303.67	4,218.21	4,019.06	22.33	24.60	94.85	-1,107.53	696.04	1,146.49	1,102.41	44.08	26.011					
4,500.00	4,401.11	4,314.40	4,109.54	22.85	25.21	94.81	-1,134.04	715.06	1,173.84	1,128.72	45.12	26.015					
4,600.00	4,498.55	4,410.58	4,200.02	23.37	25.81	94.78	-1,160.56	734.08	1,201.19	1,155.03	46.17	26.019					
4,700.00	4,596.00	4,506.76	4,290.50	23.89	26.42	94.74	-1,187.07	753.09	1,228.54	1,181.33	47.21	26.022					
4,800.00	4,693.44	4,602.95	4,380.98	24.41	27.03	94.71	-1,213.59	772.11	1,255.90	1,207.64	48.26	26.025					
4,900.00	4,790.88	4,700.87	4,471.46	24.93	27.65	94.68	-1,240.10	791.13	1,283.25	1,233.94	49.31	26.022					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Falken 30N-14B-S - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,888.33	4,804.69	4,561.94	25.46	28.31	94.65	-1,266.61	810.14	1,310.60	1,260.20	50.41	26.001					
5,100.00	4,985.77	4,908.50	4,652.42	25.98	28.97	94.62	-1,293.13	829.16	1,337.96	1,286.46	51.50	25.982					
5,200.00	5,083.21	4,987.68	4,742.90	26.50	29.47	94.59	-1,319.64	848.18	1,365.31	1,312.86	52.45	26.032					
5,300.00	5,180.66	5,083.87	4,833.39	27.02	30.08	94.56	-1,346.15	867.19	1,392.67	1,339.17	53.50	26.033					
5,400.00	5,278.10	5,180.05	4,923.87	27.55	30.69	94.54	-1,372.67	886.21	1,420.02	1,365.48	54.55	26.033					
5,500.00	5,375.54	5,276.23	5,014.35	28.07	31.30	94.51	-1,399.18	905.23	1,447.38	1,391.78	55.60	26.034					
5,582.90	5,456.32	5,355.97	5,089.35	28.50	31.81	94.49	-1,421.16	920.99	1,470.05	1,413.59	56.47	26.034					
5,600.00	5,473.00	5,372.42	5,104.83	28.59	31.91	94.58	-1,425.69	924.24	1,474.73	1,418.08	56.65	26.034					
5,700.00	5,570.93	5,468.61	5,195.31	29.10	32.52	95.03	-1,452.21	943.26	1,501.90	1,444.23	57.67	26.043					
5,800.00	5,669.52	5,564.71	5,285.72	29.57	33.13	95.34	-1,478.70	962.26	1,528.80	1,470.14	58.66	26.064					
5,900.00	5,768.62	5,660.62	5,375.94	30.03	33.74	95.52	-1,505.14	981.23	1,555.42	1,495.82	59.60	26.096					
6,000.00	5,868.13	5,756.20	5,465.86	30.45	34.35	95.58	-1,531.49	1,000.12	1,581.80	1,521.29	60.52	26.139					
6,100.00	5,967.93	5,851.36	5,555.37	30.86	34.95	95.53	-1,557.72	1,018.94	1,608.00	1,546.61	61.39	26.193					
6,200.00	6,067.88	5,945.96	5,644.36	31.24	35.56	95.38	-1,583.80	1,037.64	1,634.06	1,571.83	62.23	26.259					
6,232.12	6,100.00	5,976.21	5,672.82	31.36	35.75	-173.98	-1,592.13	1,043.62	1,642.41	1,579.92	62.49	26.283					
6,300.00	6,167.88	6,040.07	5,732.89	31.61	36.15	-174.49	-1,609.74	1,056.25	1,660.13	1,597.10	63.03	26.338					
6,400.00	6,267.88	6,134.14	5,821.38	31.97	36.75	-175.23	-1,635.67	1,074.85	1,686.47	1,622.64	63.84	26.419					
6,500.00	6,367.88	6,228.21	5,909.87	32.34	37.35	-175.95	-1,661.60	1,093.45	1,713.08	1,648.44	64.64	26.502					
6,600.00	6,467.88	6,322.28	5,998.36	32.70	37.95	-176.65	-1,687.53	1,112.05	1,739.94	1,674.50	65.45	26.586					
6,700.00	6,567.88	6,416.35	6,086.85	33.07	38.55	-177.32	-1,713.46	1,130.64	1,767.05	1,700.79	66.25	26.671					
6,736.50	6,604.38	6,450.68	6,119.16	33.21	38.77	-177.57	-1,722.93	1,137.43	1,777.00	1,710.45	66.55	26.702					
6,750.00	6,617.88	6,463.35	6,131.07	33.25	38.85	-90.22	-1,726.42	1,139.94	1,780.69	1,714.03	66.66	26.715					
6,800.00	6,667.77	6,509.65	6,174.62	33.43	39.14	-89.35	-1,739.18	1,149.09	1,794.40	1,727.37	67.03	26.768					
6,850.00	6,717.28	6,554.75	6,217.06	33.60	39.43	-88.57	-1,751.61	1,158.01	1,808.20	1,740.80	67.40	26.829					
6,900.00	6,766.09	6,601.61	6,258.10	33.79	39.73	-87.87	-1,763.64	1,166.64	1,822.09	1,754.33	67.76	26.889					
6,950.00	6,813.90	6,640.28	6,297.51	33.99	39.97	-87.23	-1,775.19	1,174.92	1,836.10	1,768.02	68.08	26.970					
7,000.00	6,860.42	6,680.34	6,335.20	34.20	40.23	-86.62	-1,786.23	1,182.83	1,850.27	1,781.86	68.41	27.048					
7,050.00	6,905.36	6,722.36	6,375.00	34.42	40.48	-86.07	-1,797.89	1,189.58	1,864.59	1,795.83	68.76	27.116					
7,100.00	6,948.45	6,766.20	6,416.88	34.67	40.72	-85.55	-1,810.14	1,193.69	1,879.00	1,809.85	69.16	27.170					
7,150.00	6,989.41	6,812.23	6,461.03	34.94	40.94	-85.08	-1,823.04	1,194.76	1,893.42	1,823.84	69.59	27.209					
7,200.00	7,028.00	6,860.91	6,507.69	35.24	41.15	-84.66	-1,836.66	1,192.27	1,907.78	1,837.72	70.06	27.229					
7,250.00	7,063.98	6,912.82	6,557.09	35.56	41.33	-84.31	-1,851.06	1,185.54	1,921.99	1,851.39	70.60	27.225					
7,300.00	7,097.13	6,968.68	6,609.48	35.92	41.50	-84.04	-1,866.31	1,173.64	1,935.94	1,864.75	71.19	27.194					
7,350.00	7,127.23	7,029.39	6,665.04	36.32	41.65	-83.87	-1,882.45	1,155.34	1,949.53	1,877.67	71.86	27.130					
7,400.00	7,154.12	7,096.02	6,723.80	36.75	41.80	-83.80	-1,899.50	1,129.02	1,962.63	1,890.02	72.61	27.030					
7,450.00	7,177.61	7,169.88	6,785.45	37.22	41.97	-83.84	-1,917.34	1,092.55	1,975.06	1,901.60	73.46	26.887					
7,500.00	7,197.57	7,252.42	6,849.04	37.73	42.15	-84.00	-1,935.69	1,043.33	1,986.64	1,912.21	74.43	26.692					
7,550.00	7,213.88	7,345.08	6,912.47	38.28	42.40	-84.25	-1,953.93	978.42	1,997.12	1,921.54	75.58	26.425					
7,600.00	7,226.42	7,448.95	6,972.00	38.87	42.74	-84.55	-1,970.94	895.15	2,006.23	1,929.25	76.98	26.063					
7,650.00	7,235.13	7,650.00	7,012.89	39.48	43.67	-84.66	-1,982.52	814.01	2,013.63	1,934.27	79.36	25.372					
7,700.00	7,239.95	7,689.13	7,054.96	40.12	43.98	-85.00	-1,994.17	724.48	2,019.04	1,938.13	80.91	24.954					
7,735.44	7,241.00	7,781.61	7,064.62	40.59	44.66	-84.99	-1,996.57	580.61	2,021.51	1,938.83	82.68	24.450					
7,800.00	7,241.11	7,857.12	7,065.48	41.47	45.33	-85.02	-1,996.48	505.11	2,024.62	1,940.04	84.58	23.937					
7,900.00	7,241.27	7,957.00	7,066.30	42.96	46.35	-85.05	-1,996.28	405.24	2,029.41	1,941.94	87.46	23.203					
8,000.00	7,241.44	8,056.88	7,067.13	44.59	47.55	-85.08	-1,996.07	305.36	2,034.19	1,943.58	90.62	22.448					
8,100.00	7,241.61	8,156.76	7,067.95	46.34	48.92	-85.11	-1,995.86	205.48	2,038.98	1,944.97	94.01	21.689					
8,200.00	7,241.77	8,256.64	7,068.78	48.20	50.44	-85.14	-1,995.65	105.61	2,043.77	1,946.15	97.62	20.936					
8,300.00	7,241.94	8,356.52	7,069.60	50.16	52.11	-85.17	-1,995.44	5.73	2,048.56	1,947.14	101.42	20.199					
8,400.00	7,242.11	8,456.40	7,070.43	52.20	53.90	-85.20	-1,995.23	-94.14	2,053.35	1,947.95	105.40	19.482					
8,500.00	7,242.27	8,556.28	7,071.25	54.31	55.79	-85.23	-1,995.02	-194.02	2,058.14	1,948.61	109.52	18.792					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 30N-14B-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,600.00	7,242.44	8,656.16	7,072.08	56.49	57.78	-85.26	-1,994.81	-293.90	2,062.93	1,949.14	113.79	18.130		
8,700.00	7,242.60	8,756.04	7,072.90	58.73	59.85	-85.29	-1,994.60	-393.77	2,067.72	1,949.54	118.18	17.497		
8,800.00	7,242.77	8,855.92	7,073.73	61.03	62.00	-85.32	-1,994.40	-493.65	2,072.51	1,949.84	122.67	16.895		
8,900.00	7,242.94	8,955.80	7,074.55	63.37	64.20	-85.35	-1,994.19	-593.52	2,077.30	1,950.03	127.27	16.323		
9,000.00	7,243.10	9,055.68	7,075.38	65.75	66.47	-85.38	-1,993.98	-693.40	2,082.09	1,950.15	131.95	15.780		
9,100.00	7,243.27	9,155.56	7,076.20	68.18	68.78	-85.41	-1,993.77	-793.28	2,086.88	1,950.18	136.71	15.265		
9,200.00	7,243.44	9,255.44	7,077.03	70.63	71.13	-85.44	-1,993.56	-893.15	2,091.68	1,950.14	141.54	14.778		
9,300.00	7,243.60	9,355.32	7,077.85	73.12	73.53	-85.46	-1,993.35	-993.03	2,096.47	1,950.04	146.43	14.317		
9,400.00	7,243.77	9,455.19	7,078.68	75.63	75.95	-85.49	-1,993.14	-1,092.90	2,101.27	1,949.88	151.38	13.880		
9,500.00	7,243.94	9,555.07	7,079.50	78.17	78.41	-85.52	-1,992.93	-1,192.78	2,106.06	1,949.67	156.39	13.467		
9,600.00	7,244.10	9,654.95	7,080.33	80.73	80.90	-85.55	-1,992.72	-1,292.66	2,110.86	1,949.42	161.44	13.075		
9,700.00	7,244.27	9,754.83	7,081.15	83.31	83.41	-85.58	-1,992.52	-1,392.53	2,115.65	1,949.12	166.53	12.704		
9,800.00	7,244.44	9,854.71	7,081.98	85.91	85.95	-85.61	-1,992.31	-1,492.41	2,120.45	1,948.78	171.67	12.352		
9,900.00	7,244.60	9,954.59	7,082.80	88.53	88.50	-85.63	-1,992.10	-1,592.28	2,125.24	1,948.41	176.83	12.018		
10,000.00	7,244.77	10,054.47	7,083.63	91.16	91.08	-85.66	-1,991.89	-1,692.16	2,130.04	1,948.01	182.04	11.701		
10,100.00	7,244.94	10,154.35	7,084.45	93.81	93.67	-85.69	-1,991.68	-1,792.04	2,134.84	1,947.57	187.27	11.400		
10,200.00	7,245.10	10,254.23	7,085.28	96.46	96.28	-85.72	-1,991.47	-1,891.91	2,139.64	1,947.11	192.53	11.113		
10,300.00	7,245.27	10,354.11	7,086.10	99.14	98.90	-85.74	-1,991.26	-1,991.79	2,144.44	1,946.62	197.81	10.841		
10,400.00	7,245.43	10,453.99	7,086.93	101.82	101.53	-85.77	-1,991.05	-2,091.66	2,149.24	1,946.11	203.12	10.581		
10,500.00	7,245.60	10,553.87	7,087.75	104.51	104.18	-85.80	-1,990.84	-2,191.54	2,154.04	1,945.58	208.45	10.333		
10,600.00	7,245.77	10,653.75	7,088.58	107.21	106.84	-85.82	-1,990.63	-2,291.42	2,158.84	1,945.03	213.81	10.097		
10,700.00	7,245.93	10,753.63	7,089.40	109.92	109.50	-85.85	-1,990.43	-2,391.29	2,163.64	1,944.46	219.18	9.872		
10,800.00	7,246.10	10,853.51	7,090.23	112.64	112.18	-85.88	-1,990.22	-2,491.17	2,168.44	1,943.88	224.56	9.656		
10,900.00	7,246.27	10,953.39	7,091.05	115.37	114.87	-85.90	-1,990.01	-2,591.04	2,173.24	1,943.27	229.97	9.450		
11,000.00	7,246.43	11,053.27	7,091.88	118.10	117.56	-85.93	-1,989.80	-2,690.92	2,178.04	1,942.66	235.38	9.253		
11,100.00	7,246.60	11,153.15	7,092.70	120.84	120.27	-85.96	-1,989.59	-2,790.80	2,182.84	1,942.03	240.82	9.064		
11,200.00	7,246.77	11,253.03	7,093.53	123.58	122.98	-85.98	-1,989.38	-2,890.67	2,187.65	1,941.39	246.26	8.883		
11,300.00	7,246.93	11,352.91	7,094.35	126.34	125.69	-86.01	-1,989.17	-2,990.55	2,192.45	1,940.73	251.72	8.710		
11,340.34	7,247.00	11,406.80	7,094.68	127.45	127.16	-86.02	-1,989.09	-3,030.84	2,194.39	1,940.09	254.29	8.629		
11,400.00	7,247.10	11,452.81	7,095.18	129.09	128.42	-86.04	-1,988.96	-3,090.45	2,196.64	1,939.45	257.19	8.541		
11,500.00	7,247.27	11,552.80	7,096.00	131.84	131.15	-86.05	-1,988.75	-3,190.43	2,197.62	1,939.46	262.66	8.367		
11,586.15	7,247.43	11,638.92	7,096.71	134.20	133.51	-86.06	-1,988.57	-3,276.55	2,195.68	1,928.31	267.37	8.212		
11,600.00	7,247.45	11,652.76	7,096.83	134.57	133.88	-86.06	-1,988.54	-3,290.39	2,195.16	1,927.03	268.13	8.187		
11,700.00	7,247.64	11,752.69	7,097.65	137.31	136.63	-86.07	-1,988.34	-3,390.32	2,191.41	1,917.81	273.60	8.009		
11,800.00	7,247.82	11,852.62	7,098.48	140.05	139.37	-86.08	-1,988.13	-3,490.24	2,187.66	1,908.58	279.08	7.839		
11,900.00	7,248.00	11,952.55	7,099.30	142.79	142.12	-86.09	-1,987.92	-3,590.17	2,183.91	1,899.33	284.57	7.674		
12,000.00	7,248.18	12,052.48	7,100.13	145.53	144.88	-86.10	-1,987.71	-3,690.09	2,180.16	1,890.09	290.07	7.516		
12,100.00	7,248.37	12,152.41	7,100.95	148.28	147.63	-86.11	-1,987.50	-3,790.02	2,176.41	1,880.83	295.58	7.363		
12,200.00	7,248.55	12,252.34	7,101.78	151.04	150.40	-86.12	-1,987.29	-3,889.94	2,172.66	1,871.57	301.09	7.216		
12,300.00	7,248.73	12,352.27	7,102.60	153.80	153.16	-86.13	-1,987.08	-3,989.87	2,168.90	1,862.30	306.61	7.074		
12,400.00	7,248.91	12,452.19	7,103.43	156.56	155.93	-86.14	-1,986.87	-4,089.80	2,165.15	1,853.02	312.13	6.937		
12,500.00	7,249.10	12,552.12	7,104.25	159.32	158.70	-86.15	-1,986.66	-4,189.72	2,161.40	1,843.74	317.66	6.804		
12,600.00	7,249.28	12,652.05	7,105.08	162.09	161.48	-86.16	-1,986.45	-4,289.65	2,157.65	1,834.45	323.20	6.676		
12,700.00	7,249.46	12,751.98	7,105.91	164.86	164.26	-86.17	-1,986.25	-4,389.57	2,153.90	1,825.16	328.74	6.552		
12,800.00	7,249.64	12,851.91	7,106.73	167.63	167.04	-86.18	-1,986.04	-4,489.50	2,150.15	1,815.86	334.29	6.432		
12,900.00	7,249.83	12,951.84	7,107.56	170.40	169.82	-86.19	-1,985.83	-4,589.42	2,146.40	1,806.55	339.85	6.316		
13,000.00	7,250.01	13,051.77	7,108.38	173.18	172.61	-86.20	-1,985.62	-4,689.35	2,142.65	1,797.25	345.40	6.203		
13,100.00	7,250.19	13,151.70	7,109.21	175.96	175.40	-86.21	-1,985.41	-4,789.27	2,138.90	1,787.93	350.96	6.094		
13,200.00	7,250.37	13,251.63	7,110.03	178.74	178.19	-86.22	-1,985.20	-4,889.20	2,135.15	1,778.62	356.53	5.989		
13,300.00	7,250.56	13,351.55	7,110.86	181.52	180.98	-86.24	-1,984.99	-4,989.12	2,131.40	1,769.30	362.10	5.886		
13,397.18	7,250.73	13,368.87	7,111.00	184.23	181.46	-86.24	-1,984.96	-5,006.43	2,129.25	1,764.51	364.74	5.838		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,400.00	7,250.74	13,368.87	7,111.00	184.31	181.46	-86.24	-1,984.96	-5,006.43	2,129.25	1,764.46	364.79	5.837			
13,500.00	7,250.92	13,368.87	7,111.00	187.09	181.46	-86.24	-1,984.96	-5,006.43	2,131.73	1,765.55	366.18	5.822 SF			
13,600.00	7,251.10	13,368.87	7,111.00	189.88	181.46	-86.24	-1,984.96	-5,006.43	2,138.88	1,772.09	366.79	5.831			
13,700.00	7,251.29	13,368.87	7,111.00	192.67	181.46	-86.24	-1,984.96	-5,006.43	2,150.67	1,784.03	366.64	5.866			
13,800.00	7,251.47	13,368.87	7,111.00	195.47	181.46	-86.24	-1,984.96	-5,006.43	2,167.01	1,801.25	365.76	5.925			
13,900.00	7,251.65	13,368.87	7,111.00	198.26	181.46	-86.24	-1,984.96	-5,006.43	2,187.80	1,823.63	364.18	6.008			
14,000.00	7,251.83	13,368.87	7,111.00	201.05	181.46	-86.24	-1,984.96	-5,006.43	2,212.92	1,850.97	361.95	6.114			
14,100.00	7,252.01	13,368.87	7,111.00	203.85	181.46	-86.24	-1,984.96	-5,006.43	2,242.23	1,883.09	359.13	6.243			
14,200.00	7,252.20	13,368.87	7,111.00	206.65	181.46	-86.24	-1,984.96	-5,006.43	2,275.55	1,919.76	355.79	6.396			
14,300.00	7,252.38	13,368.87	7,111.00	209.45	181.46	-86.24	-1,984.96	-5,006.43	2,312.72	1,960.73	351.99	6.570			
14,400.00	7,252.56	13,368.87	7,111.00	212.25	181.46	-86.24	-1,984.96	-5,006.43	2,353.56	2,005.76	347.80	6.767			
14,500.00	7,252.74	13,368.87	7,111.00	215.05	181.46	-86.24	-1,984.96	-5,006.43	2,397.87	2,054.59	343.28	6.985			
14,600.00	7,252.93	13,368.87	7,111.00	217.86	181.46	-86.24	-1,984.96	-5,006.43	2,445.47	2,106.98	338.50	7.224			
14,700.00	7,253.11	13,368.87	7,111.00	220.66	181.46	-86.24	-1,984.96	-5,006.43	2,496.18	2,162.66	333.51	7.485			
14,800.00	7,253.29	13,368.87	7,111.00	223.47	181.46	-86.24	-1,984.96	-5,006.43	2,549.79	2,221.42	328.38	7.765			
14,900.00	7,253.47	13,368.87	7,111.00	226.27	181.46	-86.24	-1,984.96	-5,006.43	2,606.15	2,283.01	323.14	8.065			
15,000.00	7,253.66	13,368.87	7,111.00	229.08	181.46	-86.24	-1,984.96	-5,006.43	2,665.06	2,347.22	317.85	8.385			
15,100.00	7,253.84	13,368.87	7,111.00	231.89	181.46	-86.24	-1,984.96	-5,006.43	2,726.37	2,413.84	312.53	8.724			
15,200.00	7,254.02	13,368.87	7,111.00	234.70	181.46	-86.24	-1,984.96	-5,006.43	2,789.92	2,482.69	307.23	9.081			
15,300.00	7,254.20	13,368.87	7,111.00	237.51	181.46	-86.24	-1,984.96	-5,006.43	2,855.56	2,553.60	301.96	9.457			
15,400.00	7,254.39	13,368.87	7,111.00	240.32	181.46	-86.24	-1,984.96	-5,006.43	2,923.14	2,626.38	296.76	9.850			
15,500.00	7,254.57	13,368.87	7,111.00	243.13	181.46	-86.24	-1,984.96	-5,006.43	2,992.55	2,700.90	291.64	10.261			
15,600.00	7,254.75	13,368.87	7,111.00	245.94	181.46	-86.24	-1,984.96	-5,006.43	3,063.64	2,777.02	286.62	10.689			
15,700.00	7,254.93	13,368.87	7,111.00	248.76	181.46	-86.24	-1,984.96	-5,006.43	3,136.31	2,854.61	281.70	11.133			
15,800.00	7,255.12	13,368.87	7,111.00	251.57	181.46	-86.24	-1,984.96	-5,006.43	3,210.45	2,933.55	276.90	11.594			
15,900.00	7,255.30	13,368.87	7,111.00	254.39	181.46	-86.24	-1,984.96	-5,006.43	3,285.96	3,013.74	272.23	12.071			
16,000.00	7,255.48	13,368.87	7,111.00	257.20	181.46	-86.24	-1,984.96	-5,006.43	3,362.75	3,095.07	267.68	12.563			
16,100.00	7,255.66	13,368.87	7,111.00	260.02	181.46	-86.24	-1,984.96	-5,006.43	3,440.73	3,177.47	263.26	13.070			
16,200.00	7,255.85	13,368.87	7,111.00	262.84	181.46	-86.24	-1,984.96	-5,006.43	3,519.83	3,260.85	258.98	13.591			
16,300.00	7,256.03	13,368.87	7,111.00	265.65	181.46	-86.24	-1,984.96	-5,006.43	3,599.97	3,345.14	254.83	14.127			
16,400.00	7,256.21	13,368.87	7,111.00	268.47	181.46	-86.24	-1,984.96	-5,006.43	3,681.07	3,430.26	250.81	14.677			
16,500.00	7,256.39	13,368.87	7,111.00	271.29	181.46	-86.24	-1,984.96	-5,006.43	3,763.09	3,516.17	246.93	15.240			
16,600.00	7,256.58	13,368.87	7,111.00	274.11	181.46	-86.24	-1,984.96	-5,006.43	3,845.96	3,602.79	243.17	15.816			
16,700.00	7,256.76	13,368.87	7,111.00	276.93	181.46	-86.24	-1,984.96	-5,006.43	3,929.63	3,690.09	239.54	16.405			
16,800.00	7,256.94	13,368.87	7,111.00	279.75	181.46	-86.24	-1,984.96	-5,006.43	4,014.04	3,778.01	236.03	17.006			
16,900.00	7,257.12	13,368.87	7,111.00	282.57	181.46	-86.24	-1,984.96	-5,006.43	4,099.16	3,866.51	232.64	17.620			
17,000.00	7,257.30	13,368.87	7,111.00	285.40	181.46	-86.24	-1,984.96	-5,006.43	4,184.93	3,955.55	229.38	18.245			
17,100.00	7,257.49	13,368.87	7,111.00	288.22	181.46	-86.24	-1,984.96	-5,006.43	4,271.32	4,045.10	226.22	18.881			
17,200.00	7,257.67	13,368.87	7,111.00	291.04	181.46	-86.24	-1,984.96	-5,006.43	4,358.30	4,135.12	223.18	19.529			
17,300.00	7,257.85	13,368.87	7,111.00	293.87	181.46	-86.24	-1,984.96	-5,006.43	4,445.82	4,225.58	220.24	20.187			
17,400.00	7,258.03	13,368.87	7,111.00	296.69	181.46	-86.24	-1,984.96	-5,006.43	4,533.86	4,316.45	217.40	20.855			
17,500.00	7,258.22	13,368.87	7,111.00	299.51	181.46	-86.24	-1,984.96	-5,006.43	4,622.38	4,407.72	214.66	21.533			
17,600.00	7,258.40	13,368.87	7,111.00	302.34	181.46	-86.24	-1,984.96	-5,006.43	4,711.36	4,499.34	212.02	22.221			
17,700.00	7,258.58	13,368.87	7,111.00	305.16	181.46	-86.24	-1,984.96	-5,006.43	4,800.78	4,591.31	209.47	22.918			
17,800.00	7,258.76	13,368.87	7,111.00	307.99	181.46	-86.24	-1,984.96	-5,006.43	4,890.61	4,683.60	207.01	23.625			
17,900.00	7,258.95	13,368.87	7,111.00	310.82	181.46	-86.24	-1,984.96	-5,006.43	4,980.82	4,776.19	204.64	24.340			
18,000.00	7,259.13	13,368.87	7,111.00	313.64	181.46	-86.24	-1,984.96	-5,006.43	5,071.41	4,869.06	202.35	25.063			
18,100.00	7,259.31	13,368.87	7,111.00	316.47	181.46	-86.24	-1,984.96	-5,006.43	5,162.34	4,962.20	200.13	25.795			
18,200.00	7,259.49	13,368.87	7,111.00	319.30	181.46	-86.24	-1,984.96	-5,006.43	5,253.60	5,055.60	197.99	26.534			
18,300.00	7,259.68	13,368.87	7,111.00	322.12	181.46	-86.24	-1,984.96	-5,006.43	5,345.17	5,149.24	195.93	27.281			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 30N-14B-S - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore	Centre	Between Centres	Between Ellipses	Minimum Separation		Separation Factor
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)		
18,400.00	7,259.86	13,368.87	7,111.00	324.95	181.46	-86.24	-1,984.96	-5,006.43	5,437.04	5,243.10	193.93	28.035	
18,500.00	7,260.04	13,368.87	7,111.00	327.78	181.46	-86.24	-1,984.96	-5,006.43	5,529.19	5,337.18	192.01	28.797	
18,600.00	7,260.22	13,368.87	7,111.00	330.61	181.46	-86.24	-1,984.96	-5,006.43	5,621.61	5,431.46	190.14	29.565	
18,700.00	7,260.41	13,368.87	7,111.00	333.44	181.46	-86.24	-1,984.96	-5,006.43	5,714.28	5,525.94	188.34	30.340	
18,800.00	7,260.59	13,368.87	7,111.00	336.27	181.46	-86.24	-1,984.96	-5,006.43	5,807.20	5,620.60	186.60	31.121	
18,900.00	7,260.77	13,368.87	7,111.00	339.10	181.46	-86.24	-1,984.96	-5,006.43	5,900.35	5,715.43	184.92	31.908	
19,000.00	7,260.95	13,368.87	7,111.00	341.93	181.46	-86.24	-1,984.96	-5,006.43	5,993.72	5,810.43	183.29	32.700	
19,025.91	7,261.00	13,368.87	7,111.00	342.66	181.46	-86.24	-1,984.96	-5,006.43	6,017.95	5,835.07	182.88	32.907	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 31C-14-S - Plan #1 - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-210.21	-1.95	210.22					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-210.21	-1.95	210.22	203.65	6.57	32.000		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-210.21	-1.95	210.22	203.54	6.67	31.498		
261.46	261.45	261.45	261.45	3.40	3.40	90.00	-210.21	-1.95	210.22	203.42	6.79	30.947 CC		
300.00	299.98	299.98	299.98	3.44	3.44	90.30	-210.21	-1.95	210.22	203.33	6.89	30.523 ES		
400.00	399.84	399.69	399.67	3.60	3.59	91.41	-211.60	-1.30	211.76	204.57	7.19	29.455		
500.00	499.45	487.20	487.07	3.81	3.76	92.93	-215.76	0.63	216.44	208.86	7.58	28.544		
600.00	598.70	580.34	579.90	4.05	3.97	94.75	-222.64	3.82	224.38	216.33	8.06	27.848		
700.00	697.47	672.95	671.89	4.34	4.22	96.75	-232.20	8.25	235.72	227.12	8.60	27.406		
800.00	795.62	764.84	762.81	4.66	4.48	98.82	-244.35	13.89	250.55	241.35	9.20	27.226		
849.22	843.68	809.77	807.09	4.84	4.63	99.83	-251.25	17.08	259.16	249.64	9.52	27.230		
900.00	893.16	855.94	852.46	5.02	4.78	100.95	-258.99	20.68	268.86	259.00	9.85	27.283		
1,000.00	990.60	946.44	940.96	5.41	5.11	102.68	-276.09	28.61	290.04	279.50	10.54	27.520		
1,100.00	1,088.05	1,036.21	1,028.13	5.83	5.45	103.82	-295.56	37.63	313.77	302.51	11.26	27.863		
1,200.00	1,185.49	1,125.10	1,113.74	6.26	5.83	104.48	-317.26	47.70	339.85	327.85	12.00	28.312		
1,300.00	1,282.93	1,212.94	1,197.57	6.70	6.22	104.74	-341.06	58.74	368.16	355.40	12.76	28.843		
1,400.00	1,380.37	1,299.61	1,279.44	7.15	6.63	104.70	-366.82	70.68	398.64	385.10	13.54	29.446		
1,500.00	1,477.82	1,384.95	1,359.20	7.62	7.07	104.42	-394.37	83.46	431.22	416.90	14.32	30.112		
1,600.00	1,575.26	1,468.86	1,436.70	8.09	7.53	103.96	-423.55	96.99	465.90	450.79	15.11	30.840		
1,700.00	1,672.70	1,551.23	1,511.83	8.57	8.01	103.38	-454.18	111.20	502.65	486.76	15.89	31.628		
1,800.00	1,770.15	1,631.98	1,584.50	9.05	8.49	102.70	-486.10	126.00	541.46	524.79	16.67	32.479		
1,900.00	1,867.59	1,720.37	1,663.27	9.54	9.06	101.93	-522.48	142.87	581.76	564.21	17.55	33.149		
2,000.00	1,965.03	1,811.58	1,744.51	10.03	9.66	101.23	-560.09	160.31	622.21	603.73	18.48	33.674		
2,100.00	2,062.48	1,902.79	1,825.76	10.53	10.27	100.62	-597.69	177.75	662.72	643.30	19.42	34.127		
2,200.00	2,159.92	2,006.00	1,907.01	11.03	10.98	100.07	-635.30	195.19	703.28	682.84	20.44	34.404		
2,300.00	2,257.36	2,085.21	1,988.26	11.53	11.53	99.59	-672.90	212.63	743.90	722.56	21.34	34.866		
2,400.00	2,354.81	2,176.42	2,069.50	12.03	12.17	99.16	-710.50	230.07	784.55	762.24	22.31	35.168		
2,500.00	2,452.25	2,267.63	2,150.75	12.54	12.82	98.76	-748.11	247.51	825.24	801.95	23.29	35.435		
2,600.00	2,549.69	2,358.84	2,232.00	13.04	13.47	98.41	-785.71	264.95	865.95	841.68	24.28	35.671		
2,700.00	2,647.13	2,450.05	2,313.24	13.55	14.13	98.09	-823.31	282.39	906.70	881.43	25.27	35.882		
2,800.00	2,744.58	2,541.25	2,394.49	14.06	14.79	97.79	-860.92	299.83	947.46	921.19	26.27	36.070		
2,900.00	2,842.02	2,632.46	2,475.74	14.57	15.45	97.52	-898.52	317.27	988.24	960.97	27.27	36.239		
3,000.00	2,939.46	2,723.67	2,556.98	15.09	16.12	97.27	-936.13	334.71	1,029.04	1,000.77	28.28	36.392		
3,100.00	3,036.91	2,814.88	2,638.23	15.60	16.79	97.04	-973.73	352.14	1,069.86	1,040.57	29.29	36.529		
3,200.00	3,134.35	2,906.09	2,719.48	16.11	17.46	96.83	-1,011.33	369.58	1,110.69	1,080.39	30.30	36.654		
3,300.00	3,231.79	3,002.70	2,800.72	16.63	18.18	96.63	-1,048.94	387.02	1,151.53	1,120.18	31.35	36.728		
3,400.00	3,329.24	3,088.51	2,881.97	17.14	18.82	96.44	-1,086.54	404.46	1,192.38	1,160.04	32.34	36.871		
3,500.00	3,426.68	3,179.72	2,963.22	17.66	19.50	96.27	-1,124.15	421.90	1,233.24	1,199.88	33.36	36.966		
3,600.00	3,524.12	3,270.93	3,044.46	18.18	20.18	96.11	-1,161.75	439.34	1,274.11	1,239.73	34.39	37.052		
3,700.00	3,621.57	3,362.14	3,125.71	18.69	20.86	95.96	-1,199.35	456.78	1,314.99	1,279.58	35.41	37.132		
3,800.00	3,719.01	3,453.35	3,206.96	19.21	21.54	95.82	-1,236.96	474.22	1,355.88	1,319.43	36.44	37.206		
3,900.00	3,816.45	3,544.56	3,288.20	19.73	22.23	95.68	-1,274.56	491.66	1,396.77	1,359.29	37.47	37.274		
4,000.00	3,913.90	3,635.77	3,369.45	20.25	22.92	95.55	-1,312.17	509.10	1,437.66	1,399.16	38.51	37.336		
4,100.00	4,011.34	3,726.98	3,450.70	20.77	23.60	95.44	-1,349.77	526.54	1,478.57	1,439.03	39.54	37.395		
4,200.00	4,108.78	3,818.19	3,531.94	21.29	24.29	95.32	-1,387.37	543.98	1,519.48	1,478.90	40.57	37.449		
4,300.00	4,206.22	3,909.40	3,613.19	21.81	24.98	95.22	-1,424.98	561.41	1,560.39	1,518.78	41.61	37.499		
4,400.00	4,303.67	4,000.61	3,694.44	22.33	25.67	95.11	-1,462.58	578.85	1,601.31	1,558.66	42.65	37.546		
4,500.00	4,401.11	4,108.18	3,775.68	22.85	26.48	95.02	-1,500.18	596.29	1,642.23	1,598.44	43.79	37.592		
4,600.00	4,498.55	4,183.03	3,856.93	23.37	27.05	94.93	-1,537.79	613.73	1,683.15	1,638.43	44.73	37.631		
4,700.00	4,596.00	4,274.24	3,938.18	23.89	27.74	94.84	-1,575.39	631.17	1,724.08	1,678.31	45.77	37.669		
4,800.00	4,693.44	4,365.45	4,019.42	24.41	28.43	94.75	-1,613.00	648.61	1,765.01	1,718.20	46.81	37.705		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Falken 31C-14-S - Plan #1 - Plan #1		Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1															Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
4,900.00	4,790.88	4,456.66	4,100.67	24.93	29.12	94.67	-1,650.60	666.05	1,805.95	1,758.09	47.85	37.739				
5,000.00	4,888.33	4,547.87	4,181.92	25.46	29.82	94.60	-1,688.20	683.49	1,846.88	1,797.99	48.90	37.771				
5,100.00	4,985.77	4,639.08	4,263.17	25.98	30.51	94.53	-1,725.81	700.93	1,887.83	1,837.88	49.94	37.801				
5,200.00	5,083.21	4,730.29	4,344.41	26.50	31.20	94.46	-1,763.41	718.37	1,928.77	1,877.78	50.99	37.829				
5,300.00	5,180.66	4,821.50	4,425.66	27.02	31.90	94.39	-1,801.02	735.81	1,969.71	1,917.68	52.03	37.856				
5,400.00	5,278.10	4,912.71	4,506.91	27.55	32.59	94.32	-1,838.62	753.25	2,010.66	1,957.58	53.08	37.881				
5,500.00	5,375.54	5,003.92	4,588.15	28.07	33.29	94.26	-1,876.22	770.68	2,051.61	1,997.48	54.13	37.904				
5,582.90	5,456.32	5,079.53	4,655.50	28.50	33.86	94.21	-1,907.40	785.14	2,085.56	2,030.56	54.99	37.923				
5,600.00	5,473.00	5,104.87	4,669.40	28.59	34.06	94.36	-1,913.83	788.12	2,092.56	2,037.32	55.23	37.885				
5,700.00	5,570.93	5,186.33	4,750.64	29.10	34.68	95.12	-1,951.43	805.56	2,133.34	2,077.14	56.20	37.962				
5,800.00	5,669.52	5,277.43	4,831.79	29.57	35.37	95.78	-1,988.99	822.98	2,173.86	2,116.68	57.18	38.015				
5,900.00	5,768.62	5,368.32	4,912.75	30.03	36.07	96.35	-2,026.46	840.36	2,214.10	2,155.96	58.14	38.085				
6,000.00	5,868.13	5,458.89	4,993.43	30.45	36.76	96.82	-2,063.80	857.68	2,254.06	2,195.00	59.05	38.170				
6,100.00	5,967.93	5,549.03	5,073.72	30.86	37.44	97.22	-2,100.96	874.91	2,293.74	2,233.81	59.94	38.269				
6,200.00	6,067.88	5,638.63	5,153.53	31.24	38.13	97.53	-2,137.90	892.04	2,333.18	2,272.39	60.79	38.383				
6,232.12	6,100.00	5,667.28	5,179.05	31.36	38.35	-171.67	-2,149.71	897.52	2,345.80	2,284.75	61.05	38.424				
6,300.00	6,167.88	5,727.74	5,232.91	31.61	38.81	-172.07	-2,174.64	909.08	2,372.50	2,310.90	61.60	38.512				
6,400.00	6,267.88	5,816.82	5,312.26	31.97	39.49	-172.64	-2,211.37	926.11	2,412.02	2,349.60	62.42	38.641				
6,500.00	6,367.88	5,905.90	5,391.61	32.34	40.17	-173.19	-2,248.09	943.14	2,451.74	2,388.50	63.24	38.769				
6,600.00	6,467.88	6,005.03	5,470.95	32.70	40.93	-173.72	-2,284.81	960.17	2,491.65	2,427.53	64.12	38.857				
6,700.00	6,567.88	6,084.05	5,550.30	33.07	41.53	-174.24	-2,321.54	977.20	2,531.76	2,466.87	64.88	39.020				
6,736.50	6,604.38	6,116.56	5,579.26	33.21	41.78	-174.42	-2,334.94	983.42	2,546.44	2,481.25	65.19	39.065				
6,750.00	6,617.88	6,128.56	5,589.95	33.25	41.87	-86.87	-2,339.89	985.71	2,551.87	2,486.57	65.29	39.083				
6,800.00	6,667.77	6,172.36	5,628.97	33.43	42.21	-85.22	-2,357.95	994.09	2,571.88	2,506.19	65.68	39.156				
6,850.00	6,717.28	6,214.99	5,666.94	33.60	42.53	-83.67	-2,375.52	1,002.24	2,591.68	2,525.62	66.06	39.235				
6,900.00	6,766.09	6,256.18	5,703.63	33.79	42.85	-82.21	-2,392.51	1,010.12	2,611.21	2,544.80	66.41	39.317				
6,950.00	6,813.90	6,304.32	5,738.82	33.99	43.22	-80.84	-2,408.79	1,017.67	2,630.45	2,563.64	66.82	39.369				
7,000.00	6,860.42	6,333.25	5,772.28	34.20	43.44	-79.54	-2,424.28	1,024.85	2,649.36	2,582.26	67.10	39.484				
7,050.00	6,905.36	6,368.64	5,803.81	34.42	43.71	-78.31	-2,438.87	1,031.62	2,667.91	2,600.48	67.43	39.566				
7,100.00	6,948.45	6,401.65	5,833.21	34.67	43.96	-77.13	-2,452.48	1,037.93	2,686.10	2,618.34	67.75	39.645				
7,150.00	6,989.41	6,432.07	5,860.31	34.94	44.20	-75.98	-2,465.02	1,043.75	2,703.90	2,635.83	68.08	39.718				
7,200.00	7,028.00	6,459.72	5,884.93	35.24	44.41	-74.87	-2,476.42	1,049.03	2,721.31	2,652.91	68.40	39.786				
7,250.00	7,063.98	6,484.42	5,906.93	35.56	44.60	-73.77	-2,486.60	1,053.75	2,738.32	2,669.59	68.73	39.844				
7,300.00	7,097.13	6,506.01	5,926.17	35.92	44.76	-72.68	-2,495.51	1,057.88	2,754.91	2,685.85	69.06	39.893				
7,350.00	7,127.23	6,524.38	5,942.53	36.32	44.90	-71.59	-2,503.08	1,061.39	2,771.05	2,701.65	69.40	39.929				
7,400.00	7,154.12	6,539.40	5,955.91	36.75	45.02	-70.49	-2,509.27	1,064.27	2,786.73	2,716.98	69.75	39.951				
7,450.00	7,177.61	6,550.98	5,966.23	37.22	45.11	-69.39	-2,514.04	1,066.48	2,801.91	2,731.79	70.12	39.960				
7,500.00	7,197.57	6,559.05	5,973.41	37.73	45.17	-68.27	-2,517.37	1,068.02	2,816.55	2,746.05	70.50	39.953				
7,550.00	7,213.88	6,563.56	5,977.43	38.28	45.20	-67.15	-2,519.23	1,068.89	2,830.59	2,759.71	70.89	39.932				
7,600.00	7,226.42	6,564.48	5,978.26	38.87	45.21	-66.02	-2,519.61	1,069.06	2,843.98	2,772.70	71.28	39.897				
7,650.00	7,235.13	6,561.82	5,975.88	39.48	45.19	-64.89	-2,518.51	1,068.55	2,856.65	2,784.96	71.69	39.849				
7,700.00	7,239.95	6,555.57	5,970.31	40.12	45.14	-63.77	-2,515.94	1,067.36	2,868.52	2,796.43	72.09	39.791				
7,735.44	7,241.00	6,549.00	5,964.46	40.59	45.09	-62.99	-2,513.23	1,066.10	2,876.40	2,804.03	72.37	39.744				
7,800.00	7,241.11	6,535.41	5,952.36	41.47	44.99	-62.72	-2,507.63	1,063.50	2,890.98	2,818.07	72.91	39.651				
7,900.00	7,241.27	6,514.38	5,933.62	42.96	44.83	-62.30	-2,498.95	1,059.48	2,916.13	2,842.29	73.84	39.495				
8,000.00	7,241.44	6,506.66	5,914.88	44.59	44.77	-61.88	-2,490.28	1,055.46	2,944.31	2,869.38	74.92	39.297				
8,100.00	7,241.61	6,472.30	5,896.14	46.34	44.50	-61.47	-2,481.61	1,051.44	2,975.43	2,899.51	75.92	39.191				
8,200.00	7,241.77	6,451.27	5,877.40	48.20	44.34	-61.05	-2,472.93	1,047.42	3,009.41	2,932.37	77.04	39.062				
8,300.00	7,241.94	6,430.23	5,858.66	50.16	44.18	-60.63	-2,464.26	1,043.39	3,046.15	2,967.96	78.19	38.958				
8,400.00	7,242.11	6,409.19	5,839.93	52.20	44.02	-60.21	-2,455.59	1,039.37	3,085.56	3,006.20	79.36	38.883				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Falken 31C-14-S - Plan #1 - Plan #1		Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1															Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,500.00	7,242.27	6,388.15	5,821.19	54.31	43.86	-59.80	-2,446.92	1,035.35	3,127.52	3,047.00	80.52	38.841				
8,600.00	7,242.44	9,181.85	7,237.02	56.49	62.38	-89.91	-3,093.55	-296.46	3,154.63	3,038.49	116.14	27.162				
8,700.00	7,242.60	9,281.73	7,237.60	58.73	64.14	-89.91	-3,093.29	-396.34	3,159.44	3,038.97	120.47	26.227				
8,800.00	7,242.77	9,381.61	7,238.18	61.03	66.01	-89.92	-3,093.03	-496.22	3,164.25	3,039.34	124.91	25.333				
8,900.00	7,242.94	9,481.50	7,238.76	63.37	67.97	-89.93	-3,092.77	-596.10	3,169.05	3,039.61	129.44	24.482				
9,000.00	7,243.10	9,581.38	7,239.34	65.75	70.02	-89.94	-3,092.51	-695.99	3,173.86	3,039.79	134.07	23.672				
9,100.00	7,243.27	9,681.26	7,239.92	68.18	72.15	-89.94	-3,092.25	-795.87	3,178.67	3,039.89	138.79	22.904				
9,200.00	7,243.44	9,781.15	7,240.50	70.63	74.34	-89.95	-3,091.99	-895.75	3,183.48	3,039.91	143.57	22.174				
9,300.00	7,243.60	9,881.03	7,241.09	73.12	76.59	-89.96	-3,091.73	-995.63	3,188.29	3,039.87	148.42	21.481				
9,400.00	7,243.77	9,980.91	7,241.67	75.63	78.89	-89.97	-3,091.47	-1,095.51	3,193.10	3,039.76	153.33	20.825				
9,500.00	7,243.94	10,080.80	7,242.25	78.17	81.23	-89.97	-3,091.21	-1,195.39	3,197.91	3,039.61	158.30	20.202				
9,600.00	7,244.10	10,180.68	7,242.83	80.73	83.61	-89.98	-3,090.94	-1,295.27	3,202.72	3,039.40	163.32	19.611				
9,700.00	7,244.27	10,280.57	7,243.41	83.31	86.02	-89.99	-3,090.68	-1,395.16	3,207.53	3,039.15	168.38	19.050				
9,800.00	7,244.44	10,380.45	7,243.99	85.91	88.47	-90.00	-3,090.42	-1,495.04	3,212.34	3,038.86	173.48	18.517				
9,900.00	7,244.60	10,480.33	7,244.57	88.53	90.94	-90.00	-3,090.16	-1,594.92	3,217.14	3,038.52	178.62	18.011				
10,000.00	7,244.77	10,580.22	7,245.15	91.16	93.44	-90.01	-3,089.90	-1,694.80	3,221.95	3,038.16	183.80	17.530				
10,100.00	7,244.94	10,680.10	7,245.73	93.81	95.96	-90.02	-3,089.64	-1,794.68	3,226.76	3,037.76	189.00	17.073				
10,200.00	7,245.10	10,779.98	7,246.31	96.46	98.50	-90.03	-3,089.38	-1,894.56	3,231.57	3,037.33	194.24	16.637				
10,300.00	7,245.27	10,879.87	7,246.89	99.14	101.06	-90.03	-3,089.12	-1,994.44	3,236.38	3,036.88	199.50	16.222				
10,400.00	7,245.43	10,979.75	7,247.47	101.82	103.64	-90.04	-3,088.86	-2,094.33	3,241.19	3,036.40	204.79	15.827				
10,500.00	7,245.60	11,079.63	7,248.05	104.51	106.23	-90.05	-3,088.60	-2,194.21	3,246.00	3,035.90	210.10	15.450				
10,600.00	7,245.77	11,179.52	7,248.63	107.21	108.84	-90.06	-3,088.34	-2,294.09	3,250.81	3,035.38	215.43	15.090				
10,700.00	7,245.93	11,279.40	7,249.21	109.92	111.46	-90.06	-3,088.07	-2,393.97	3,255.62	3,034.84	220.78	14.746				
10,800.00	7,246.10	11,379.28	7,249.79	112.64	114.09	-90.07	-3,087.81	-2,493.85	3,260.43	3,034.28	226.15	14.417				
10,900.00	7,246.27	11,479.17	7,250.37	115.37	116.74	-90.08	-3,087.55	-2,593.73	3,265.24	3,033.70	231.54	14.102				
11,000.00	7,246.43	11,579.05	7,250.95	118.10	119.39	-90.08	-3,087.29	-2,693.61	3,270.05	3,033.11	236.94	13.801				
11,100.00	7,246.60	11,678.93	7,251.53	120.84	122.06	-90.09	-3,087.03	-2,793.50	3,274.86	3,032.50	242.36	13.512				
11,200.00	7,246.77	11,778.82	7,252.11	123.58	124.73	-90.10	-3,086.77	-2,893.38	3,279.67	3,031.88	247.79	13.236				
11,300.00	7,246.93	11,878.70	7,252.69	126.34	127.41	-90.11	-3,086.51	-2,993.26	3,284.48	3,031.24	253.24	12.970				
11,340.34	7,247.00	11,918.99	7,252.93	127.45	128.50	-90.11	-3,086.40	-3,033.55	3,286.42	3,030.98	255.44	12.866				
11,400.00	7,247.10	11,978.61	7,253.27	129.09	130.10	-90.11	-3,086.25	-3,093.17	3,288.67	3,029.98	258.69	12.713				
11,500.00	7,247.27	12,078.60	7,253.85	131.84	132.80	-90.11	-3,085.99	-3,193.15	3,289.65	3,025.50	264.15	12.454				
11,586.15	7,247.43	12,164.72	7,254.35	134.20	135.14	-90.12	-3,085.76	-3,279.27	3,287.70	3,018.84	268.86	12.228				
11,600.00	7,247.45	12,178.56	7,254.43	134.57	135.51	-90.12	-3,085.73	-3,293.11	3,287.18	3,017.57	269.61	12.192				
11,700.00	7,247.64	12,278.49	7,255.01	137.31	138.22	-90.12	-3,085.46	-3,393.04	3,283.41	3,008.33	275.08	11.936				
11,800.00	7,247.82	12,378.42	7,255.60	140.05	140.94	-90.13	-3,085.20	-3,492.97	3,279.65	2,999.09	280.55	11.690				
11,900.00	7,248.00	12,478.35	7,256.18	142.79	143.67	-90.14	-3,084.94	-3,592.89	3,275.88	2,989.84	286.03	11.453				
12,000.00	7,248.18	12,578.28	7,256.76	145.53	146.40	-90.15	-3,084.68	-3,692.82	3,272.11	2,980.59	291.52	11.224				
12,100.00	7,248.37	12,678.20	7,257.34	148.28	149.13	-90.15	-3,084.42	-3,792.75	3,268.34	2,971.32	297.02	11.004				
12,200.00	7,248.55	12,778.13	7,257.92	151.04	151.87	-90.16	-3,084.16	-3,892.67	3,264.58	2,962.05	302.53	10.791				
12,300.00	7,248.73	12,878.06	7,258.50	153.80	154.61	-90.17	-3,083.90	-3,992.60	3,260.81	2,952.77	308.04	10.586				
12,400.00	7,248.91	12,977.99	7,259.08	156.56	157.36	-90.18	-3,083.64	-4,092.52	3,257.04	2,943.48	313.56	10.387				
12,500.00	7,249.10	13,077.92	7,259.66	159.32	160.11	-90.18	-3,083.38	-4,192.45	3,253.28	2,934.19	319.09	10.195				
12,600.00	7,249.28	13,177.84	7,260.24	162.09	162.87	-90.19	-3,083.12	-4,292.38	3,249.51	2,924.89	324.62	10.010				
12,700.00	7,249.46	13,277.77	7,260.82	164.86	165.63	-90.20	-3,082.85	-4,392.30	3,245.74	2,915.58	330.16	9.831				
12,800.00	7,249.64	13,377.70	7,261.40	167.63	168.39	-90.20	-3,082.59	-4,492.23	3,241.98	2,906.27	335.70	9.657				
12,900.00	7,249.83	13,477.63	7,261.98	170.40	171.16	-90.21	-3,082.33	-4,592.15	3,238.21	2,896.96	341.25	9.489				
13,000.00	7,250.01	13,480.77	7,262.00	173.18	171.24	-90.21	-3,082.32	-4,595.30	3,235.89	2,892.28	343.61	9.417				
13,025.11	7,250.05	13,480.77	7,262.00	173.88	171.24	-90.21	-3,082.32	-4,595.30	3,235.79	2,891.67	344.13	9.403				
13,100.00	7,250.19	13,480.77	7,262.00	175.96	171.24	-90.21	-3,082.32	-4,595.30	3,236.66	2,891.10	345.56	9.367				
13,200.00	7,250.37	13,480.77	7,262.00	178.74	171.24	-90.21	-3,082.32	-4,595.30	3,240.52	2,893.32	347.19	9.333				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,300.00	7,250.56	13,480.77	7,262.00	181.52	171.24	-90.21	-3,082.32	-4,595.30	3,247.45	2,898.93	348.52	9.318 SF			
13,400.00	7,250.74	13,480.77	7,262.00	184.31	171.24	-90.21	-3,082.32	-4,595.30	3,257.44	2,907.90	349.54	9.319			
13,500.00	7,250.92	13,480.77	7,262.00	187.09	171.24	-90.21	-3,082.32	-4,595.30	3,270.45	2,920.21	350.24	9.338			
13,600.00	7,251.10	13,480.77	7,262.00	189.88	171.24	-90.21	-3,082.32	-4,595.30	3,286.46	2,935.82	350.64	9.373			
13,700.00	7,251.29	13,480.77	7,262.00	192.67	171.24	-90.21	-3,082.32	-4,595.30	3,305.42	2,954.68	350.75	9.424			
13,800.00	7,251.47	13,480.77	7,262.00	195.47	171.24	-90.21	-3,082.32	-4,595.30	3,327.28	2,976.72	350.56	9.491			
13,900.00	7,251.65	13,480.77	7,262.00	198.26	171.24	-90.21	-3,082.32	-4,595.30	3,351.98	3,001.87	350.11	9.574			
14,000.00	7,251.83	13,480.77	7,262.00	201.05	171.24	-90.21	-3,082.32	-4,595.30	3,379.46	3,030.07	349.39	9.672			
14,100.00	7,252.01	13,480.77	7,262.00	203.85	171.24	-90.21	-3,082.32	-4,595.30	3,409.65	3,061.23	348.43	9.786			
14,200.00	7,252.20	13,480.77	7,262.00	206.65	171.24	-90.21	-3,082.32	-4,595.30	3,442.49	3,095.25	347.24	9.914			
14,300.00	7,252.38	13,480.77	7,262.00	209.45	171.24	-90.21	-3,082.32	-4,595.30	3,477.89	3,132.06	345.83	10.057			
14,400.00	7,252.56	13,480.77	7,262.00	212.25	171.24	-90.21	-3,082.32	-4,595.30	3,515.77	3,171.55	344.23	10.214			
14,500.00	7,252.74	13,480.77	7,262.00	215.05	171.24	-90.21	-3,082.32	-4,595.30	3,556.07	3,213.63	342.45	10.384			
14,600.00	7,252.93	13,480.77	7,262.00	217.86	171.24	-90.21	-3,082.32	-4,595.30	3,598.70	3,258.19	340.50	10.569			
14,700.00	7,253.11	13,480.77	7,262.00	220.66	171.24	-90.21	-3,082.32	-4,595.30	3,643.57	3,305.16	338.41	10.767			
14,800.00	7,253.29	13,480.77	7,262.00	223.47	171.24	-90.21	-3,082.32	-4,595.30	3,690.61	3,354.41	336.20	10.977			
14,900.00	7,253.47	13,480.77	7,262.00	226.27	171.24	-90.21	-3,082.32	-4,595.30	3,739.73	3,405.86	333.87	11.201			
15,000.00	7,253.66	13,480.77	7,262.00	229.08	171.24	-90.21	-3,082.32	-4,595.30	3,790.85	3,459.41	331.44	11.437			
15,100.00	7,253.84	13,480.77	7,262.00	231.89	171.24	-90.21	-3,082.32	-4,595.30	3,843.89	3,514.96	328.93	11.686			
15,200.00	7,254.02	13,480.77	7,262.00	234.70	171.24	-90.21	-3,082.32	-4,595.30	3,898.78	3,572.42	326.36	11.946			
15,300.00	7,254.20	13,480.77	7,262.00	237.51	171.24	-90.21	-3,082.32	-4,595.30	3,955.43	3,631.71	323.72	12.219			
15,400.00	7,254.39	13,480.77	7,262.00	240.32	171.24	-90.21	-3,082.32	-4,595.30	4,013.78	3,692.74	321.04	12.502			
15,500.00	7,254.57	13,480.77	7,262.00	243.13	171.24	-90.21	-3,082.32	-4,595.30	4,073.75	3,755.42	318.33	12.797			
15,600.00	7,254.75	13,480.77	7,262.00	245.94	171.24	-90.21	-3,082.32	-4,595.30	4,135.26	3,819.67	315.59	13.103			
15,700.00	7,254.93	13,480.77	7,262.00	248.76	171.24	-90.21	-3,082.32	-4,595.30	4,198.26	3,885.42	312.84	13.420			
15,800.00	7,255.12	13,480.77	7,262.00	251.57	171.24	-90.21	-3,082.32	-4,595.30	4,262.67	3,952.58	310.08	13.747			
15,900.00	7,255.30	13,480.77	7,262.00	254.39	171.24	-90.21	-3,082.32	-4,595.30	4,328.43	4,021.10	307.33	14.084			
16,000.00	7,255.48	13,480.77	7,262.00	257.20	171.24	-90.21	-3,082.32	-4,595.30	4,395.49	4,090.91	304.58	14.431			
16,100.00	7,255.66	13,480.77	7,262.00	260.02	171.24	-90.21	-3,082.32	-4,595.30	4,463.77	4,161.93	301.85	14.788			
16,200.00	7,255.85	13,480.77	7,262.00	262.84	171.24	-90.21	-3,082.32	-4,595.30	4,533.24	4,234.11	299.13	15.155			
16,300.00	7,256.03	13,480.77	7,262.00	265.65	171.24	-90.21	-3,082.32	-4,595.30	4,603.83	4,307.39	296.44	15.530			
16,400.00	7,256.21	13,480.77	7,262.00	268.47	171.24	-90.21	-3,082.32	-4,595.30	4,675.49	4,381.72	293.77	15.915			
16,500.00	7,256.39	13,480.77	7,262.00	271.29	171.24	-90.21	-3,082.32	-4,595.30	4,748.18	4,457.04	291.14	16.309			
16,600.00	7,256.58	13,480.77	7,262.00	274.11	171.24	-90.21	-3,082.32	-4,595.30	4,821.84	4,533.30	288.54	16.711			
16,700.00	7,256.76	13,480.77	7,262.00	276.93	171.24	-90.21	-3,082.32	-4,595.30	4,896.44	4,610.46	285.98	17.122			
16,800.00	7,256.94	13,480.77	7,262.00	279.75	171.24	-90.21	-3,082.32	-4,595.30	4,971.93	4,688.48	283.46	17.540			
16,900.00	7,257.12	13,480.77	7,262.00	282.57	171.24	-90.21	-3,082.32	-4,595.30	5,048.28	4,767.30	280.97	17.967			
17,000.00	7,257.30	13,480.77	7,262.00	285.40	171.24	-90.21	-3,082.32	-4,595.30	5,125.43	4,846.90	278.53	18.402			
17,100.00	7,257.49	13,480.77	7,262.00	288.22	171.24	-90.21	-3,082.32	-4,595.30	5,203.37	4,927.23	276.14	18.844			
17,200.00	7,257.67	13,480.77	7,262.00	291.04	171.24	-90.21	-3,082.32	-4,595.30	5,282.05	5,008.27	273.78	19.293			
17,300.00	7,257.85	13,480.77	7,262.00	293.87	171.24	-90.21	-3,082.32	-4,595.30	5,361.44	5,089.96	271.47	19.749			
17,400.00	7,258.03	13,480.77	7,262.00	296.69	171.24	-90.21	-3,082.32	-4,595.30	5,441.51	5,172.29	269.21	20.213			
17,500.00	7,258.22	13,480.77	7,262.00	299.51	171.24	-90.21	-3,082.32	-4,595.30	5,522.22	5,255.23	266.99	20.683			
17,600.00	7,258.40	13,480.77	7,262.00	302.34	171.24	-90.21	-3,082.32	-4,595.30	5,603.57	5,338.74	264.82	21.160			
17,700.00	7,258.58	13,480.77	7,262.00	305.16	171.24	-90.21	-3,082.32	-4,595.30	5,685.50	5,422.81	262.69	21.643			
17,800.00	7,258.76	13,480.77	7,262.00	307.99	171.24	-90.21	-3,082.32	-4,595.30	5,768.01	5,507.39	260.61	22.132			
17,900.00	7,258.95	13,480.77	7,262.00	310.82	171.24	-90.21	-3,082.32	-4,595.30	5,851.06	5,592.48	258.58	22.628			
18,000.00	7,259.13	13,480.77	7,262.00	313.64	171.24	-90.21	-3,082.32	-4,595.30	5,934.63	5,678.05	256.59	23.129			
18,100.00	7,259.31	13,480.77	7,262.00	316.47	171.24	-90.21	-3,082.32	-4,595.30	6,018.71	5,764.07	254.64	23.636			
18,200.00	7,259.49	13,480.77	7,262.00	319.30	171.24	-90.21	-3,082.32	-4,595.30	6,103.26	5,850.53	252.73	24.149			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Falken 31C-14-S - Plan #1 - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
18,300.00	7,259.68	13,480.77	7,262.00	322.12	171.24	-90.21	-3,082.32	-4,595.30	6,188.28	5,937.40	250.87	24.667					
18,400.00	7,259.86	13,480.77	7,262.00	324.95	171.24	-90.21	-3,082.32	-4,595.30	6,273.74	6,024.68	249.06	25.190					
18,500.00	7,260.04	13,480.77	7,262.00	327.78	171.24	-90.21	-3,082.32	-4,595.30	6,359.62	6,112.34	247.28	25.718					
18,600.00	7,260.22	13,480.77	7,262.00	330.61	171.24	-90.21	-3,082.32	-4,595.30	6,445.91	6,200.36	245.54	26.252					
18,700.00	7,260.41	13,480.77	7,262.00	333.44	171.24	-90.21	-3,082.32	-4,595.30	6,532.59	6,288.74	243.85	26.789					
18,800.00	7,260.59	13,480.77	7,262.00	336.27	171.24	-90.21	-3,082.32	-4,595.30	6,619.64	6,377.45	242.19	27.332					
18,900.00	7,260.77	13,480.77	7,262.00	339.10	171.24	-90.21	-3,082.32	-4,595.30	6,707.06	6,466.48	240.58	27.879					
19,000.00	7,260.95	13,480.77	7,262.00	341.93	171.24	-90.21	-3,082.32	-4,595.30	6,794.82	6,555.83	239.00	28.431					
19,025.91	7,261.00	13,480.77	7,262.00	342.66	171.24	-90.21	-3,082.32	-4,595.30	6,817.62	6,579.03	238.59	28.574					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 31N-14B-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-179.51	-195.27	-1.67	195.28					
100.00	100.00	100.00	100.00	3.28	3.28	-179.51	-195.27	-1.67	195.28	188.71	6.57	29.726		
200.00	200.00	200.00	200.00	3.34	3.34	-179.51	-195.27	-1.67	195.28	188.61	6.67	29.259		
265.64	265.64	265.64	265.64	3.40	3.40	90.00	-195.27	-1.67	195.28	188.48	6.80	28.708 CC		
300.00	299.98	299.98	299.98	3.44	3.44	90.29	-195.27	-1.67	195.28	188.39	6.89	28.354 ES		
400.00	399.84	394.19	394.17	3.60	3.59	91.49	-196.66	-0.98	196.81	189.62	7.19	27.373		
500.00	499.45	488.21	488.07	3.81	3.76	93.10	-200.80	1.09	201.46	193.88	7.58	26.563		
600.00	598.70	581.87	581.42	4.05	3.98	95.01	-207.67	4.52	209.35	201.29	8.06	25.974		
700.00	697.47	675.02	673.95	4.34	4.22	97.09	-217.21	9.27	220.61	212.01	8.61	25.638		
800.00	795.62	767.49	765.42	4.66	4.49	99.22	-229.33	15.32	235.34	226.13	9.21	25.556		
849.22	843.68	812.72	809.99	4.84	4.64	100.25	-236.22	18.76	243.88	234.35	9.52	25.604		
900.00	893.16	859.20	855.66	5.02	4.79	101.39	-243.96	22.62	253.49	243.63	9.86	25.702		
1,000.00	990.60	950.32	944.75	5.41	5.12	103.09	-261.04	31.14	274.46	263.90	10.55	26.010		
1,100.00	1,088.05	1,040.74	1,032.52	5.83	5.47	104.16	-280.49	40.84	297.89	286.61	11.28	26.412		
1,200.00	1,185.49	1,130.29	1,118.71	6.26	5.85	104.71	-302.19	51.66	323.60	311.58	12.03	26.905		
1,300.00	1,282.93	1,218.80	1,203.13	6.70	6.25	104.86	-325.99	63.53	351.50	338.70	12.80	27.470		
1,400.00	1,380.37	1,306.12	1,285.57	7.15	6.67	104.69	-351.75	76.38	381.51	367.94	13.58	28.100		
1,500.00	1,477.82	1,392.14	1,365.87	7.62	7.11	104.29	-379.31	90.13	413.62	399.25	14.37	28.788		
1,600.00	1,575.26	1,476.71	1,443.90	8.09	7.58	103.71	-408.51	104.69	447.80	432.63	15.16	29.532		
1,700.00	1,672.70	1,559.74	1,519.53	8.57	8.06	103.00	-439.15	119.98	484.05	468.09	15.96	30.333		
1,800.00	1,770.15	1,644.91	1,596.13	9.05	8.59	102.18	-472.48	136.60	522.26	505.47	16.79	31.110		
1,900.00	1,867.59	1,736.84	1,678.56	9.54	9.17	101.38	-508.89	154.77	560.98	543.28	17.71	31.678		
2,000.00	1,965.03	1,828.77	1,761.00	10.03	9.77	100.68	-545.30	172.93	599.80	581.15	18.65	32.167		
2,100.00	2,062.48	1,920.70	1,843.43	10.53	10.39	100.06	-581.71	191.09	638.67	619.08	19.60	32.591		
2,200.00	2,159.92	2,012.63	1,925.86	11.03	11.01	99.52	-618.12	209.25	677.61	657.05	20.56	32.961		
2,300.00	2,257.36	2,104.55	2,008.30	11.53	11.64	99.03	-654.53	227.41	716.59	695.06	21.53	33.285		
2,400.00	2,354.81	2,203.52	2,090.73	12.03	12.33	98.59	-690.94	245.57	755.61	733.06	22.55	33.509		
2,500.00	2,452.25	2,288.41	2,173.16	12.54	12.92	98.20	-727.35	263.73	794.66	771.17	23.49	33.823		
2,600.00	2,549.69	2,380.34	2,255.60	13.04	13.57	97.84	-763.76	281.89	833.75	809.26	24.49	34.048		
2,700.00	2,647.13	2,472.27	2,338.03	13.55	14.23	97.52	-800.17	300.05	872.85	847.37	25.49	34.248		
2,800.00	2,744.58	2,564.19	2,420.46	14.06	14.89	97.22	-836.58	318.21	911.98	885.49	26.49	34.428		
2,900.00	2,842.02	2,656.12	2,502.90	14.57	15.55	96.95	-872.99	336.38	951.13	923.63	27.50	34.589		
3,000.00	2,939.46	2,748.05	2,585.33	15.09	16.21	96.70	-909.40	354.54	990.30	961.79	28.51	34.735		
3,100.00	3,036.91	2,839.98	2,667.76	15.60	16.88	96.47	-945.81	372.70	1,029.48	999.95	29.53	34.867		
3,200.00	3,134.35	2,931.90	2,750.20	16.11	17.55	96.25	-982.22	390.86	1,068.67	1,038.13	30.54	34.987		
3,300.00	3,231.79	3,023.83	2,832.63	16.63	18.22	96.05	-1,018.63	409.02	1,107.88	1,076.31	31.57	35.097		
3,400.00	3,329.24	3,115.76	2,915.06	17.14	18.90	95.86	-1,055.04	427.18	1,147.09	1,114.50	32.59	35.197		
3,500.00	3,426.68	3,207.69	2,997.50	17.66	19.57	95.69	-1,091.44	445.34	1,186.32	1,152.70	33.62	35.289		
3,600.00	3,524.12	3,300.38	3,079.93	18.18	20.25	95.53	-1,127.85	463.50	1,225.55	1,190.90	34.65	35.369		
3,700.00	3,621.57	3,408.46	3,162.36	18.69	21.05	95.38	-1,164.26	481.66	1,264.79	1,229.01	35.78	35.348		
3,800.00	3,719.01	3,483.47	3,244.80	19.21	21.60	95.23	-1,200.67	499.82	1,304.04	1,267.33	36.71	35.523		
3,900.00	3,816.45	3,575.40	3,327.23	19.73	22.29	95.10	-1,237.08	517.99	1,343.30	1,305.55	37.74	35.589		
4,000.00	3,913.90	3,667.33	3,409.66	20.25	22.97	94.97	-1,273.49	536.15	1,382.56	1,343.78	38.78	35.651		
4,100.00	4,011.34	3,759.25	3,492.10	20.77	23.65	94.85	-1,309.90	554.31	1,421.83	1,382.01	39.82	35.708		
4,200.00	4,108.78	3,851.18	3,574.53	21.29	24.33	94.73	-1,346.31	572.47	1,461.10	1,420.24	40.86	35.762		
4,300.00	4,206.22	3,943.11	3,656.96	21.81	25.02	94.63	-1,382.72	590.63	1,500.38	1,458.48	41.90	35.811		
4,400.00	4,303.67	4,035.04	3,739.40	22.33	25.70	94.52	-1,419.13	608.79	1,539.66	1,496.72	42.94	35.858		
4,500.00	4,401.11	4,126.97	3,821.83	22.85	26.39	94.43	-1,455.54	626.95	1,578.94	1,534.96	43.98	35.901		
4,600.00	4,498.55	4,218.89	3,904.27	23.37	27.07	94.33	-1,491.95	645.11	1,618.23	1,573.21	45.02	35.942		
4,700.00	4,596.00	4,310.82	3,986.70	23.89	27.76	94.25	-1,528.36	663.27	1,657.53	1,611.46	46.07	35.980		
4,800.00	4,693.44	4,402.75	4,069.13	24.41	28.44	94.16	-1,564.77	681.43	1,696.82	1,649.71	47.11	36.016		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
4,900.00	4,790.88	4,494.68	4,151.57	24.93	29.13	94.08	-1,601.18	699.60	1,736.12	1,687.96	48.16	36.050			
5,000.00	4,888.33	4,586.61	4,234.00	25.46	29.82	94.00	-1,637.59	717.76	1,775.42	1,726.21	49.21	36.082			
5,100.00	4,985.77	4,678.53	4,316.43	25.98	30.51	93.93	-1,674.00	735.92	1,814.72	1,764.47	50.25	36.112			
5,200.00	5,083.21	4,770.46	4,398.87	26.50	31.20	93.86	-1,710.40	754.08	1,854.03	1,802.73	51.30	36.140			
5,300.00	5,180.66	4,862.39	4,481.30	27.02	31.89	93.79	-1,746.81	772.24	1,893.34	1,840.99	52.35	36.167			
5,400.00	5,278.10	4,954.32	4,563.73	27.55	32.58	93.73	-1,783.22	790.40	1,932.65	1,879.25	53.40	36.192			
5,500.00	5,375.54	5,046.24	4,646.17	28.07	33.26	93.67	-1,819.63	808.56	1,971.96	1,917.51	54.45	36.216			
5,582.90	5,456.32	5,122.45	4,714.50	28.50	33.84	93.62	-1,849.82	823.62	2,004.55	1,949.23	55.32	36.235			
5,600.00	5,473.00	5,138.17	4,728.60	28.59	33.95	93.75	-1,856.04	826.72	2,011.27	1,955.77	55.50	36.239			
5,700.00	5,570.93	5,230.08	4,811.01	29.10	34.64	94.47	-1,892.44	844.88	2,050.45	1,993.92	56.53	36.274			
5,800.00	5,669.52	5,321.87	4,893.33	29.57	35.33	95.09	-1,928.80	863.01	2,089.38	2,031.87	57.52	36.327			
5,900.00	5,768.62	5,413.43	4,975.43	30.03	36.02	95.61	-1,965.06	881.10	2,128.08	2,069.61	58.47	36.397			
6,000.00	5,868.13	5,504.66	5,057.23	30.45	36.71	96.03	-2,001.19	899.12	2,166.54	2,107.15	59.39	36.483			
6,100.00	5,967.93	5,595.43	5,138.63	30.86	37.39	96.37	-2,037.15	917.06	2,204.77	2,144.50	60.27	36.583			
6,200.00	6,067.88	5,685.64	5,219.52	31.24	38.07	96.64	-2,072.88	934.88	2,242.80	2,181.69	61.12	36.698			
6,232.12	6,100.00	5,714.48	5,245.38	31.36	38.29	-172.58	-2,084.30	940.58	2,254.98	2,193.60	61.38	36.739			
6,300.00	6,167.88	5,775.35	5,299.97	31.61	38.74	-172.99	-2,108.41	952.60	2,280.76	2,218.83	61.93	36.828			
6,400.00	6,267.88	5,865.02	5,380.38	31.97	39.42	-173.58	-2,143.92	970.32	2,318.93	2,256.18	62.74	36.958			
6,500.00	6,367.88	5,954.69	5,460.79	32.34	40.09	-174.14	-2,179.44	988.03	2,357.30	2,293.74	63.56	37.087			
6,600.00	6,467.88	6,044.36	5,541.20	32.70	40.77	-174.70	-2,214.95	1,005.75	2,395.88	2,331.50	64.38	37.215			
6,700.00	6,567.88	6,134.04	5,621.61	33.07	41.44	-175.23	-2,250.47	1,023.46	2,434.66	2,369.45	65.20	37.341			
6,736.50	6,604.38	6,166.77	5,650.96	33.21	41.69	-175.42	-2,263.43	1,029.93	2,448.85	2,383.35	65.50	37.387			
6,750.00	6,617.88	6,178.84	5,661.78	33.25	41.78	-87.89	-2,268.21	1,032.31	2,454.11	2,388.50	65.61	37.405			
6,800.00	6,667.77	6,222.93	5,701.32	33.43	42.11	-86.32	-2,285.67	1,041.02	2,473.51	2,407.51	66.00	37.480			
6,850.00	6,717.28	6,265.81	5,739.77	33.60	42.44	-84.84	-2,302.66	1,049.50	2,492.76	2,426.40	66.37	37.560			
6,900.00	6,766.09	6,307.23	5,776.92	33.79	42.75	-83.45	-2,319.07	1,057.68	2,511.84	2,445.12	66.72	37.646			
6,950.00	6,813.90	6,346.94	5,812.52	33.99	43.05	-82.13	-2,334.79	1,065.52	2,530.70	2,463.63	67.07	37.734			
7,000.00	6,860.42	6,384.68	5,846.36	34.20	43.33	-80.88	-2,349.74	1,072.98	2,549.31	2,481.91	67.40	37.823			
7,050.00	6,905.36	6,420.22	5,878.23	34.42	43.60	-79.68	-2,363.82	1,080.00	2,567.67	2,499.94	67.73	37.912			
7,100.00	6,948.45	6,453.35	5,907.94	34.67	43.85	-78.52	-2,376.94	1,086.54	2,585.75	2,517.71	68.05	38.000			
7,150.00	6,989.41	6,483.85	5,935.29	34.94	44.08	-77.39	-2,389.02	1,092.57	2,603.56	2,535.20	68.36	38.084			
7,200.00	7,028.00	6,511.55	5,960.13	35.24	44.29	-76.27	-2,399.99	1,098.04	2,621.08	2,552.40	68.68	38.163			
7,250.00	7,063.98	6,536.27	5,982.30	35.56	44.48	-75.16	-2,409.78	1,102.93	2,638.30	2,569.30	69.00	38.236			
7,300.00	7,097.13	6,557.86	6,001.66	35.92	44.64	-74.04	-2,418.33	1,107.19	2,655.20	2,585.88	69.33	38.300			
7,350.00	7,127.23	6,576.18	6,018.09	36.32	44.78	-72.91	-2,425.59	1,110.81	2,671.78	2,602.12	69.66	38.354			
7,400.00	7,154.12	6,608.87	6,031.49	36.75	45.02	-71.76	-2,431.51	1,113.76	2,687.99	2,617.88	70.11	38.339			
7,450.00	7,177.61	6,602.60	6,041.78	37.22	44.98	-70.59	-2,436.05	1,116.03	2,703.81	2,633.45	70.36	38.426			
7,500.00	7,197.57	6,610.54	6,048.90	37.73	45.04	-69.40	-2,439.20	1,117.60	2,719.19	2,648.46	70.73	38.443			
7,550.00	7,213.88	6,614.89	6,052.80	38.28	45.07	-68.18	-2,440.92	1,118.46	2,734.07	2,662.96	71.11	38.448			
7,600.00	7,226.42	6,615.62	6,053.45	38.87	45.07	-66.96	-2,441.21	1,118.60	2,748.39	2,676.89	71.50	38.439			
7,650.00	7,235.13	6,612.73	6,050.86	39.48	45.05	-65.72	-2,440.06	1,118.03	2,762.07	2,690.18	71.89	38.420			
7,700.00	7,239.95	6,606.24	6,045.04	40.12	45.00	-64.49	-2,437.49	1,116.75	2,775.03	2,702.75	72.28	38.391			
7,735.44	7,241.00	6,600.53	6,038.97	40.59	44.96	-63.62	-2,434.81	1,115.41	2,783.72	2,711.16	72.56	38.363			
7,800.00	7,241.11	6,585.54	6,026.48	41.47	44.85	-63.33	-2,429.29	1,112.66	2,799.83	2,726.75	73.08	38.313			
7,900.00	7,241.27	6,563.95	6,007.12	42.96	44.68	-62.89	-2,420.74	1,108.39	2,827.38	2,753.40	73.97	38.221			
8,000.00	7,241.44	6,542.36	5,987.76	44.59	44.52	-62.44	-2,412.19	1,104.13	2,857.99	2,783.04	74.95	38.132			
8,100.00	7,241.61	6,520.77	5,968.40	46.34	44.36	-62.00	-2,403.64	1,099.86	2,891.58	2,815.60	75.99	38.053			
8,200.00	7,241.77	6,499.18	5,949.04	48.20	44.20	-61.55	-2,395.09	1,095.60	2,928.05	2,850.98	77.07	37.993			
8,300.00	7,241.94	6,477.59	5,929.68	50.16	56.47	-86.70	-2,884.49	1.96	2,935.22	2,831.41	103.81	28.274			
8,400.00	7,242.11	8,758.92	7,073.47	52.20	57.92	-86.71	-2,884.19	-97.92	2,939.97	2,832.23	107.74	27.287			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 31N-14B-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,242.27	8,858.81	7,074.00	54.31	59.51	-86.72	-2,883.90	-197.80	2,944.72	2,832.89	111.82	26.334		
8,600.00	7,242.44	8,958.69	7,074.52	56.49	61.24	-86.74	-2,883.61	-297.69	2,949.47	2,833.42	116.04	25.417		
8,700.00	7,242.60	9,058.58	7,075.04	58.73	63.09	-86.75	-2,883.32	-397.57	2,954.22	2,833.83	120.39	24.539		
8,800.00	7,242.77	9,158.46	7,075.56	61.03	65.04	-86.76	-2,883.02	-497.45	2,958.97	2,834.12	124.84	23.702		
8,900.00	7,242.94	9,258.35	7,076.09	63.37	67.08	-86.77	-2,882.73	-597.34	2,963.72	2,834.32	129.40	22.904		
9,000.00	7,243.10	9,358.23	7,076.61	65.75	69.19	-86.79	-2,882.44	-697.22	2,968.47	2,834.43	134.04	22.146		
9,100.00	7,243.27	9,458.12	7,077.13	68.18	71.37	-86.80	-2,882.15	-797.10	2,973.22	2,834.46	138.76	21.427		
9,200.00	7,243.44	9,558.00	7,077.65	70.63	73.61	-86.81	-2,881.85	-896.99	2,977.97	2,834.41	143.56	20.744		
9,300.00	7,243.60	9,657.89	7,078.18	73.12	75.91	-86.82	-2,881.56	-996.87	2,982.72	2,834.30	148.42	20.097		
9,400.00	7,243.77	9,757.77	7,078.70	75.63	78.24	-86.83	-2,881.27	-1,096.75	2,987.47	2,834.13	153.34	19.483		
9,500.00	7,243.94	9,857.66	7,079.22	78.17	80.62	-86.85	-2,880.98	-1,196.64	2,992.22	2,833.91	158.31	18.901		
9,600.00	7,244.10	9,957.54	7,079.74	80.73	83.03	-86.86	-2,880.68	-1,296.52	2,996.97	2,833.64	163.33	18.349		
9,700.00	7,244.27	10,057.43	7,080.27	83.31	85.47	-86.87	-2,880.39	-1,396.40	3,001.72	2,833.32	168.40	17.825		
9,800.00	7,244.44	10,157.31	7,080.79	85.91	87.95	-86.88	-2,880.10	-1,496.29	3,006.47	2,832.96	173.51	17.327		
9,900.00	7,244.60	10,257.20	7,081.31	88.53	90.45	-86.89	-2,879.81	-1,596.17	3,011.22	2,832.57	178.65	16.855		
10,000.00	7,244.77	10,357.08	7,081.83	91.16	92.97	-86.90	-2,879.51	-1,696.05	3,015.98	2,832.14	183.83	16.406		
10,100.00	7,244.94	10,456.97	7,082.36	93.81	95.51	-86.92	-2,879.22	-1,795.94	3,020.73	2,831.69	189.04	15.979		
10,200.00	7,245.10	10,556.85	7,082.88	96.46	98.07	-86.93	-2,878.93	-1,895.82	3,025.48	2,831.20	194.28	15.573		
10,300.00	7,245.27	10,656.74	7,083.40	99.14	100.65	-86.94	-2,878.64	-1,995.70	3,030.23	2,830.69	199.55	15.186		
10,400.00	7,245.43	10,756.62	7,083.92	101.82	103.25	-86.95	-2,878.34	-2,095.59	3,034.98	2,830.15	204.84	14.817		
10,500.00	7,245.60	10,856.51	7,084.45	104.51	105.86	-86.96	-2,878.05	-2,195.47	3,039.74	2,829.59	210.15	14.465		
10,600.00	7,245.77	10,956.39	7,084.97	107.21	108.48	-86.97	-2,877.76	-2,295.35	3,044.49	2,829.01	215.48	14.129		
10,700.00	7,245.93	11,056.28	7,085.49	109.92	111.12	-86.98	-2,877.47	-2,395.24	3,049.24	2,828.41	220.83	13.808		
10,800.00	7,246.10	11,156.16	7,086.01	112.64	113.76	-87.00	-2,877.18	-2,495.12	3,053.99	2,827.79	226.20	13.501		
10,900.00	7,246.27	11,256.05	7,086.54	115.37	116.42	-87.01	-2,876.88	-2,595.00	3,058.75	2,827.15	231.59	13.208		
11,000.00	7,246.43	11,355.93	7,087.06	118.10	119.09	-87.02	-2,876.59	-2,694.89	3,063.50	2,826.50	236.99	12.926		
11,100.00	7,246.60	11,455.82	7,087.58	120.84	121.77	-87.03	-2,876.30	-2,794.77	3,068.25	2,825.84	242.41	12.657		
11,200.00	7,246.77	11,555.70	7,088.10	123.58	124.45	-87.04	-2,876.01	-2,894.65	3,073.00	2,825.16	247.84	12.399		
11,300.00	7,246.93	11,655.59	7,088.63	126.34	127.14	-87.05	-2,875.71	-2,994.54	3,077.76	2,824.47	253.29	12.151		
11,340.34	7,247.00	11,704.12	7,088.84	127.45	128.46	-87.06	-2,875.60	-3,034.83	3,079.68	2,823.97	255.71	12.044		
11,400.00	7,247.10	11,755.50	7,089.15	129.09	129.85	-87.06	-2,875.42	-3,094.45	3,081.89	2,823.15	258.74	11.911		
11,500.00	7,247.27	11,855.49	7,089.67	131.84	132.56	-87.07	-2,875.13	-3,194.43	3,082.82	2,818.62	264.21	11.668		
11,586.15	7,247.43	11,941.61	7,090.12	134.20	134.90	-87.07	-2,874.88	-3,280.55	3,080.83	2,811.92	268.91	11.457		
11,600.00	7,247.45	11,955.45	7,090.19	134.57	135.27	-87.07	-2,874.84	-3,294.40	3,080.30	2,810.64	269.66	11.423		
11,700.00	7,247.64	12,055.38	7,090.72	137.31	137.99	-87.07	-2,874.54	-3,394.32	3,076.49	2,801.37	275.13	11.182		
11,800.00	7,247.82	12,155.31	7,091.24	140.05	140.72	-87.07	-2,874.25	-3,494.25	3,072.68	2,792.08	280.60	10.950		
11,900.00	7,248.00	12,255.24	7,091.76	142.79	143.45	-87.08	-2,873.96	-3,594.17	3,068.87	2,782.79	286.08	10.727		
12,000.00	7,248.18	12,355.16	7,092.28	145.53	146.19	-87.08	-2,873.67	-3,694.10	3,065.06	2,773.49	291.57	10.512		
12,100.00	7,248.37	12,455.09	7,092.81	148.28	148.93	-87.08	-2,873.37	-3,794.02	3,061.24	2,764.18	297.06	10.305		
12,200.00	7,248.55	12,555.02	7,093.33	151.04	151.68	-87.08	-2,873.08	-3,893.95	3,057.43	2,754.86	302.57	10.105		
12,300.00	7,248.73	12,654.94	7,093.85	153.80	154.43	-87.09	-2,872.79	-3,993.87	3,053.62	2,745.54	308.08	9.912		
12,400.00	7,248.91	12,754.87	7,094.38	156.56	157.19	-87.09	-2,872.50	-4,093.80	3,049.81	2,736.21	313.60	9.725		
12,500.00	7,249.10	12,854.80	7,094.90	159.32	159.95	-87.09	-2,872.20	-4,193.73	3,046.00	2,726.87	319.12	9.545		
12,600.00	7,249.28	12,954.73	7,095.42	162.09	162.71	-87.09	-2,871.91	-4,293.65	3,042.18	2,717.53	324.65	9.371		
12,700.00	7,249.46	13,054.65	7,095.94	164.86	165.47	-87.10	-2,871.62	-4,393.58	3,038.37	2,708.18	330.19	9.202		
12,800.00	7,249.64	13,154.58	7,096.47	167.63	168.24	-87.10	-2,871.33	-4,493.50	3,034.56	2,698.83	335.73	9.039		
12,900.00	7,249.83	13,254.51	7,096.99	170.40	171.01	-87.10	-2,871.03	-4,593.43	3,030.75	2,689.47	341.28	8.881		
13,000.00	7,250.01	13,256.62	7,097.00	173.18	171.07	-87.10	-2,871.03	-4,595.54	3,028.52	2,684.94	343.57	8.815		
13,017.64	7,250.04	13,256.62	7,097.00	173.67	171.07	-87.10	-2,871.03	-4,595.54	3,028.46	2,684.53	343.93	8.805		
13,100.00	7,250.19	13,256.62	7,097.00	175.96	171.07	-87.10	-2,871.03	-4,595.54	3,029.58	2,684.13	345.45	8.770		
13,200.00	7,250.37	13,256.62	7,097.00	178.74	171.07	-87.10	-2,871.03	-4,595.54	3,033.95	2,686.97	346.98	8.744		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 31N-14B-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
							+N/-S (ft)	+E/-W (ft)						
13,300.00	7,250.56	13,256.62	7,097.00	181.52	171.07	-87.10	-2,871.03	-4,595.54	3,041.60	2,693.45	348.15	8.737	SF	
13,400.00	7,250.74	13,256.62	7,097.00	184.31	171.07	-87.10	-2,871.03	-4,595.54	3,052.51	2,703.55	348.96	8.747		
13,500.00	7,250.92	13,256.62	7,097.00	187.09	171.07	-87.10	-2,871.03	-4,595.54	3,066.64	2,717.22	349.42	8.776		
13,600.00	7,251.10	13,256.62	7,097.00	189.88	171.07	-87.10	-2,871.03	-4,595.54	3,083.95	2,734.41	349.54	8.823		
13,700.00	7,251.29	13,256.62	7,097.00	192.67	171.07	-87.10	-2,871.03	-4,595.54	3,104.39	2,755.06	349.33	8.887		
13,800.00	7,251.47	13,256.62	7,097.00	195.47	171.07	-87.10	-2,871.03	-4,595.54	3,127.89	2,779.09	348.80	8.968		
13,900.00	7,251.65	13,256.62	7,097.00	198.26	171.07	-87.10	-2,871.03	-4,595.54	3,154.39	2,806.42	347.97	9.065		
14,000.00	7,251.83	13,256.62	7,097.00	201.05	171.07	-87.10	-2,871.03	-4,595.54	3,183.81	2,836.96	346.85	9.179		
14,100.00	7,252.01	13,256.62	7,097.00	203.85	171.07	-87.10	-2,871.03	-4,595.54	3,216.07	2,870.60	345.47	9.309		
14,200.00	7,252.20	13,256.62	7,097.00	206.65	171.07	-87.10	-2,871.03	-4,595.54	3,251.09	2,907.24	343.85	9.455		
14,300.00	7,252.38	13,256.62	7,097.00	209.45	171.07	-87.10	-2,871.03	-4,595.54	3,288.78	2,946.77	342.00	9.616		
14,400.00	7,252.56	13,256.62	7,097.00	212.25	171.07	-87.10	-2,871.03	-4,595.54	3,329.04	2,989.09	339.95	9.793		
14,500.00	7,252.74	13,256.62	7,097.00	215.05	171.07	-87.10	-2,871.03	-4,595.54	3,371.79	3,034.07	337.73	9.984		
14,600.00	7,252.93	13,256.62	7,097.00	217.86	171.07	-87.10	-2,871.03	-4,595.54	3,416.94	3,081.60	335.34	10.189		
14,700.00	7,253.11	13,256.62	7,097.00	220.66	171.07	-87.10	-2,871.03	-4,595.54	3,464.38	3,131.57	332.81	10.409		
14,800.00	7,253.29	13,256.62	7,097.00	223.47	171.07	-87.10	-2,871.03	-4,595.54	3,514.03	3,183.87	330.16	10.643		
14,900.00	7,253.47	13,256.62	7,097.00	226.27	171.07	-87.10	-2,871.03	-4,595.54	3,565.79	3,238.38	327.41	10.891		
15,000.00	7,253.66	13,256.62	7,097.00	229.08	171.07	-87.10	-2,871.03	-4,595.54	3,619.58	3,295.00	324.58	11.152		
15,100.00	7,253.84	13,256.62	7,097.00	231.89	171.07	-87.10	-2,871.03	-4,595.54	3,675.30	3,353.62	321.68	11.425		
15,200.00	7,254.02	13,256.62	7,097.00	234.70	171.07	-87.10	-2,871.03	-4,595.54	3,732.87	3,414.15	318.72	11.712		
15,300.00	7,254.20	13,256.62	7,097.00	237.51	171.07	-87.10	-2,871.03	-4,595.54	3,792.20	3,476.47	315.72	12.011		
15,400.00	7,254.39	13,256.62	7,097.00	240.32	171.07	-87.10	-2,871.03	-4,595.54	3,853.21	3,540.51	312.70	12.322		
15,500.00	7,254.57	13,256.62	7,097.00	243.13	171.07	-87.10	-2,871.03	-4,595.54	3,915.83	3,606.17	309.66	12.646		
15,600.00	7,254.75	13,256.62	7,097.00	245.94	171.07	-87.10	-2,871.03	-4,595.54	3,979.97	3,673.36	306.62	12.980		
15,700.00	7,254.93	13,256.62	7,097.00	248.76	171.07	-87.10	-2,871.03	-4,595.54	4,045.57	3,742.00	303.57	13.326		
15,800.00	7,255.12	13,256.62	7,097.00	251.57	171.07	-87.10	-2,871.03	-4,595.54	4,112.56	3,812.01	300.54	13.684		
15,900.00	7,255.30	13,256.62	7,097.00	254.39	171.07	-87.10	-2,871.03	-4,595.54	4,180.86	3,883.33	297.53	14.052		
16,000.00	7,255.48	13,256.62	7,097.00	257.20	171.07	-87.10	-2,871.03	-4,595.54	4,250.42	3,955.87	294.54	14.430		
16,100.00	7,255.66	13,256.62	7,097.00	260.02	171.07	-87.10	-2,871.03	-4,595.54	4,321.17	4,029.58	291.59	14.819		
16,200.00	7,255.85	13,256.62	7,097.00	262.84	171.07	-87.10	-2,871.03	-4,595.54	4,393.06	4,104.40	288.67	15.218		
16,300.00	7,256.03	13,256.62	7,097.00	265.65	171.07	-87.10	-2,871.03	-4,595.54	4,466.04	4,180.25	285.78	15.627		
16,400.00	7,256.21	13,256.62	7,097.00	268.47	171.07	-87.10	-2,871.03	-4,595.54	4,540.04	4,257.09	282.94	16.046		
16,500.00	7,256.39	13,256.62	7,097.00	271.29	171.07	-87.10	-2,871.03	-4,595.54	4,615.02	4,334.87	280.15	16.473		
16,600.00	7,256.58	13,256.62	7,097.00	274.11	171.07	-87.10	-2,871.03	-4,595.54	4,690.94	4,413.53	277.40	16.910		
16,700.00	7,256.76	13,256.62	7,097.00	276.93	171.07	-87.10	-2,871.03	-4,595.54	4,767.74	4,493.04	274.71	17.356		
16,800.00	7,256.94	13,256.62	7,097.00	279.75	171.07	-87.10	-2,871.03	-4,595.54	4,845.39	4,573.33	272.06	17.810		
16,900.00	7,257.12	13,256.62	7,097.00	282.57	171.07	-87.10	-2,871.03	-4,595.54	4,923.85	4,654.39	269.47	18.273		
17,000.00	7,257.30	13,256.62	7,097.00	285.40	171.07	-87.10	-2,871.03	-4,595.54	5,003.08	4,736.15	266.92	18.743		
17,100.00	7,257.49	13,256.62	7,097.00	288.22	171.07	-87.10	-2,871.03	-4,595.54	5,083.04	4,818.60	264.44	19.222		
17,200.00	7,257.67	13,256.62	7,097.00	291.04	171.07	-87.10	-2,871.03	-4,595.54	5,163.69	4,901.69	262.00	19.709		
17,300.00	7,257.85	13,256.62	7,097.00	293.87	171.07	-87.10	-2,871.03	-4,595.54	5,245.02	4,985.40	259.62	20.203		
17,400.00	7,258.03	13,256.62	7,097.00	296.69	171.07	-87.10	-2,871.03	-4,595.54	5,326.98	5,069.68	257.29	20.704		
17,500.00	7,258.22	13,256.62	7,097.00	299.51	171.07	-87.10	-2,871.03	-4,595.54	5,409.54	5,154.52	255.02	21.212		
17,600.00	7,258.40	13,256.62	7,097.00	302.34	171.07	-87.10	-2,871.03	-4,595.54	5,492.69	5,239.89	252.80	21.727		
17,700.00	7,258.58	13,256.62	7,097.00	305.16	171.07	-87.10	-2,871.03	-4,595.54	5,576.39	5,325.76	250.63	22.249		
17,800.00	7,258.76	13,256.62	7,097.00	307.99	171.07	-87.10	-2,871.03	-4,595.54	5,660.61	5,412.10	248.51	22.778		
17,900.00	7,258.95	13,256.62	7,097.00	310.82	171.07	-87.10	-2,871.03	-4,595.54	5,745.35	5,498.90	246.45	23.313		
18,000.00	7,259.13	13,256.62	7,097.00	313.64	171.07	-87.10	-2,871.03	-4,595.54	5,830.57	5,586.14	244.43	23.854		
18,100.00	7,259.31	13,256.62	7,097.00	316.47	171.07	-87.10	-2,871.03	-4,595.54	5,916.25	5,673.78	242.46	24.401		
18,200.00	7,259.49	13,256.62	7,097.00	319.30	171.07	-87.10	-2,871.03	-4,595.54	6,002.37	5,761.82	240.55	24.953		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 31N-14B-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)			
18,300.00	7,259.68	13,256.62	7,097.00	322.12	171.07	-87.10	-2,871.03	-4,595.54	6,088.92	5,850.24	238.67	25.511		
18,400.00	7,259.86	13,256.62	7,097.00	324.95	171.07	-87.10	-2,871.03	-4,595.54	6,175.87	5,939.02	236.85	26.075		
18,500.00	7,260.04	13,256.62	7,097.00	327.78	171.07	-87.10	-2,871.03	-4,595.54	6,263.21	6,028.15	235.07	26.644		
18,600.00	7,260.22	13,256.62	7,097.00	330.61	171.07	-87.10	-2,871.03	-4,595.54	6,350.93	6,117.60	233.33	27.218		
18,700.00	7,260.41	13,256.62	7,097.00	333.44	171.07	-87.10	-2,871.03	-4,595.54	6,439.01	6,207.36	231.64	27.797		
18,800.00	7,260.59	13,256.62	7,097.00	336.27	171.07	-87.10	-2,871.03	-4,595.54	6,527.43	6,297.43	229.99	28.381		
18,900.00	7,260.77	13,256.62	7,097.00	339.10	171.07	-87.10	-2,871.03	-4,595.54	6,616.17	6,387.79	228.39	28.969		
19,000.00	7,260.95	13,256.62	7,097.00	341.93	171.07	-87.10	-2,871.03	-4,595.54	6,705.24	6,478.42	226.82	29.562		
19,025.91	7,261.00	13,256.62	7,097.00	342.66	171.07	-87.10	-2,871.03	-4,595.54	6,728.37	6,501.95	226.42	29.717		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.36	44.80	0.28	44.80					
100.00	100.00	100.00	100.00	3.28	3.28	0.36	44.80	0.28	44.80	38.23	6.57	6.820		
200.00	200.00	200.00	200.00	3.34	3.34	0.36	44.80	0.28	44.80	38.13	6.67	6.713 CC, ES		
300.00	299.98	299.34	299.32	3.44	3.44	-90.55	45.51	1.85	45.54	38.65	6.89	6.613		
400.00	399.84	398.65	398.49	3.60	3.60	-91.11	47.65	6.55	47.76	40.56	7.20	6.632		
500.00	499.45	497.90	497.36	3.81	3.81	-91.93	51.20	14.37	51.46	43.85	7.61	6.761		
600.00	598.70	597.04	595.77	4.05	4.05	-92.89	56.17	25.29	56.65	48.54	8.10	6.990		
700.00	697.47	696.05	693.58	4.34	4.33	-93.88	62.53	39.28	63.33	54.65	8.67	7.300		
800.00	795.62	794.90	790.64	4.66	4.65	-94.81	70.27	56.31	71.49	62.18	9.32	7.673		
849.22	843.68	843.66	838.27	4.84	4.81	-95.29	74.57	65.77	76.04	66.38	9.66	7.873		
900.00	893.16	905.80	887.62	5.02	5.04	-96.02	79.08	75.71	80.82	70.76	10.07	8.030		
1,000.00	990.60	1,006.26	984.81	5.41	5.42	-97.22	87.98	95.30	90.28	79.45	10.83	8.335		
1,100.00	1,088.05	1,106.73	1,081.99	5.83	5.82	-98.20	96.88	114.88	99.77	88.13	11.64	8.572		
1,200.00	1,185.49	1,207.19	1,179.17	6.26	6.24	-99.00	105.78	134.46	109.28	96.80	12.48	8.756		
1,300.00	1,282.93	1,307.65	1,276.36	6.70	6.68	-99.68	114.68	154.04	118.81	105.46	13.35	8.901		
1,400.00	1,380.37	1,408.12	1,373.54	7.15	7.12	-100.26	123.58	173.63	128.35	114.12	14.24	9.015		
1,500.00	1,477.82	1,508.58	1,470.73	7.62	7.57	-100.75	132.48	193.21	137.91	122.76	15.15	9.106		
1,600.00	1,575.26	1,609.05	1,567.91	8.09	8.03	-101.19	141.38	212.79	147.47	131.40	16.07	9.178		
1,700.00	1,672.70	1,709.51	1,665.09	8.57	8.50	-101.56	150.28	232.37	157.04	140.04	17.00	9.236		
1,800.00	1,770.15	1,809.97	1,762.28	9.05	8.97	-101.90	159.18	251.95	166.62	148.67	17.95	9.284		
1,900.00	1,867.59	1,889.56	1,859.46	9.54	9.34	-102.20	168.08	271.54	176.20	157.40	18.80	9.371		
2,000.00	1,965.03	1,989.10	1,956.64	10.03	9.82	-102.47	176.98	291.12	185.79	166.03	19.76	9.402		
2,100.00	2,062.48	2,088.63	2,053.83	10.53	10.29	-102.71	185.88	310.70	195.38	174.66	20.72	9.428		
2,200.00	2,159.92	2,188.17	2,151.01	11.03	10.77	-102.93	194.78	330.28	204.98	183.28	21.69	9.449		
2,300.00	2,257.36	2,287.70	2,248.20	11.53	11.26	-103.13	203.68	349.87	214.57	191.91	22.67	9.467		
2,400.00	2,354.81	2,387.24	2,345.38	12.03	11.74	-103.31	212.58	369.45	224.17	200.53	23.64	9.481		
2,500.00	2,452.25	2,486.78	2,442.56	12.54	12.23	-103.48	221.47	389.03	233.77	209.14	24.63	9.493		
2,600.00	2,549.69	2,586.31	2,539.75	13.04	12.71	-103.64	230.37	408.61	243.37	217.76	25.61	9.502		
2,700.00	2,647.13	2,685.85	2,636.93	13.55	13.20	-103.78	239.27	428.19	252.98	226.38	26.60	9.510		
2,800.00	2,744.58	2,785.38	2,734.12	14.06	13.69	-103.91	248.17	447.78	262.58	234.99	27.59	9.517		
2,900.00	2,842.02	2,884.92	2,831.30	14.57	14.19	-104.03	257.07	467.36	272.19	243.61	28.59	9.522		
3,000.00	2,939.46	2,984.46	2,928.48	15.09	14.68	-104.15	265.97	486.94	281.80	252.22	29.58	9.526		
3,100.00	3,036.91	3,083.99	3,025.67	15.60	15.17	-104.26	274.87	506.52	291.41	260.83	30.58	9.530		
3,200.00	3,134.35	3,183.53	3,122.85	16.11	15.67	-104.36	283.77	526.11	301.02	269.44	31.58	9.533		
3,300.00	3,231.79	3,283.06	3,220.04	16.63	16.16	-104.45	292.67	545.69	310.63	278.05	32.58	9.535		
3,400.00	3,329.24	3,382.60	3,317.22	17.14	16.66	-104.54	301.57	565.27	320.24	286.66	33.58	9.536		
3,500.00	3,426.68	3,482.13	3,414.40	17.66	17.16	-104.62	310.47	584.85	329.85	295.27	34.59	9.538		
3,600.00	3,524.12	3,581.67	3,511.59	18.18	17.65	-104.70	319.37	604.43	339.47	303.88	35.59	9.538		
3,700.00	3,621.57	3,681.21	3,608.77	18.69	18.15	-104.77	328.27	624.02	349.08	312.49	36.60	9.539		
3,800.00	3,719.01	3,780.74	3,705.96	19.21	18.65	-104.84	337.17	643.60	358.70	321.09	37.60	9.539		
3,900.00	3,816.45	3,880.28	3,803.14	19.73	19.15	-104.91	346.07	663.18	368.31	329.70	38.61	9.539		
4,000.00	3,913.90	3,979.81	3,900.32	20.25	19.65	-104.97	354.97	682.76	377.93	338.31	39.62	9.539		
4,100.00	4,011.34	4,079.35	3,997.51	20.77	20.15	-105.03	363.86	702.35	387.54	346.91	40.63	9.538		
4,200.00	4,108.78	4,178.88	4,094.69	21.29	20.65	-105.09	372.76	721.93	397.16	355.52	41.64	9.538		
4,300.00	4,206.22	4,278.42	4,191.88	21.81	21.15	-105.15	381.66	741.51	406.77	364.12	42.65	9.537		
4,400.00	4,303.67	4,377.96	4,289.06	22.33	21.65	-105.20	390.56	761.09	416.39	372.73	43.66	9.536		
4,500.00	4,401.11	4,477.49	4,386.24	22.85	22.15	-105.25	399.46	780.67	426.01	381.33	44.68	9.536		
4,600.00	4,498.55	4,577.03	4,483.43	23.37	22.66	-105.29	408.36	800.26	435.63	389.94	45.69	9.535		
4,700.00	4,596.00	4,676.56	4,580.61	23.89	23.16	-105.34	417.26	819.84	445.24	398.54	46.70	9.534		
4,800.00	4,693.44	4,776.10	4,677.79	24.41	23.66	-105.38	426.16	839.42	454.86	407.15	47.72	9.533		
4,900.00	4,790.88	4,875.64	4,774.98	24.93	24.16	-105.42	435.06	859.00	464.48	415.75	48.73	9.532		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,975.17	4,872.16	25.46	24.66	-105.46	443.96	878.59	474.10	424.35	49.75	9.531		
5,100.00	4,985.77	5,074.71	4,969.35	25.98	25.17	-105.50	452.86	898.17	483.72	432.96	50.76	9.529		
5,200.00	5,083.21	5,174.24	5,066.53	26.50	25.67	-105.54	461.76	917.75	493.34	441.56	51.78	9.528		
5,300.00	5,180.66	5,273.78	5,163.71	27.02	26.17	-105.58	470.66	937.33	502.96	450.16	52.79	9.527		
5,400.00	5,278.10	5,373.31	5,260.90	27.55	26.68	-105.61	479.56	956.91	512.58	458.77	53.81	9.526		
5,500.00	5,375.54	5,472.85	5,358.08	28.07	27.18	-105.64	488.46	976.50	522.20	467.37	54.83	9.525		
5,582.90	5,456.32	5,555.36	5,438.65	28.50	27.60	-105.67	495.83	992.73	530.17	474.50	55.67	9.524		
5,600.00	5,473.00	5,572.39	5,455.27	28.59	27.68	-105.70	497.36	996.08	531.80	475.96	55.84	9.523		
5,700.00	5,570.93	5,671.96	5,552.49	29.10	28.19	-105.66	506.26	1,015.67	540.79	483.94	56.85	9.513		
5,800.00	5,669.52	5,771.49	5,649.66	29.57	28.69	-105.27	515.16	1,035.25	548.87	491.03	57.84	9.490		
5,900.00	5,768.82	5,870.85	5,746.68	30.03	29.20	-104.52	524.04	1,054.80	556.13	497.32	58.81	9.456		
6,000.00	5,868.13	5,969.94	5,843.42	30.45	29.70	-103.45	532.90	1,074.29	562.70	502.93	59.77	9.415		
6,100.00	5,967.93	6,068.61	5,939.77	30.86	30.20	-102.07	541.72	1,093.70	568.78	508.08	60.70	9.370		
6,200.00	6,067.88	6,166.77	6,035.60	31.24	30.70	-100.39	550.50	1,113.01	574.63	513.01	61.62	9.326		
6,232.12	6,100.00	6,201.84	6,066.26	31.36	30.87	-9.08	553.31	1,119.19	576.50	514.58	61.92	9.310		
6,300.00	6,167.88	6,264.44	6,130.97	31.61	31.19	-7.71	559.23	1,132.23	580.65	518.15	62.50	9.290		
6,400.00	6,267.88	6,362.08	6,226.30	31.97	31.69	-5.74	567.96	1,151.44	587.37	523.99	63.37	9.268		
6,500.00	6,367.88	6,459.71	6,321.63	32.34	32.18	-3.81	576.69	1,170.65	594.80	530.56	64.24	9.259		
6,600.00	6,467.88	6,557.35	6,416.96	32.70	32.68	-1.92	585.42	1,189.86	602.91	537.82	65.09	9.262		
6,700.00	6,567.88	6,654.92	6,512.32	33.07	33.17	-0.14	594.15	1,208.51	611.68	545.74	65.94	9.277		
6,736.50	6,604.38	6,691.00	6,547.95	33.21	33.33	0.29	597.42	1,213.12	615.02	548.78	66.24	9.285		
6,750.00	6,617.88	6,704.45	6,561.29	33.25	33.39	87.40	598.64	1,214.31	616.25	549.91	66.35	9.288		
6,800.00	6,667.77	6,754.52	6,611.10	33.43	33.59	87.46	603.21	1,216.28	620.71	553.99	66.72	9.303		
6,850.00	6,717.28	6,805.01	6,661.33	33.60	33.78	87.53	607.81	1,214.28	624.98	557.88	67.10	9.314		
6,900.00	6,766.09	6,855.94	6,711.67	33.79	33.96	87.61	612.43	1,208.21	629.02	561.54	67.48	9.322		
6,950.00	6,813.90	6,907.29	6,761.78	33.99	34.15	87.71	617.03	1,198.03	632.82	564.94	67.88	9.323		
7,000.00	6,860.42	6,959.08	6,811.32	34.20	34.35	87.82	621.58	1,183.69	636.35	568.05	68.30	9.317		
7,050.00	6,905.36	7,011.31	6,859.93	34.42	34.55	87.94	626.05	1,165.18	639.57	570.82	68.75	9.303		
7,100.00	6,948.45	7,063.95	6,907.25	34.67	34.77	88.08	630.41	1,142.53	642.48	573.24	69.23	9.280		
7,150.00	6,989.41	7,117.02	6,952.88	34.94	35.01	88.22	634.61	1,115.82	645.04	575.28	69.76	9.247		
7,200.00	7,028.00	7,170.47	6,996.45	35.24	35.28	88.38	638.62	1,085.14	647.23	576.90	70.32	9.203		
7,250.00	7,063.98	7,224.30	7,037.59	35.56	35.57	88.54	642.41	1,050.65	649.04	578.09	70.95	9.148		
7,300.00	7,097.13	7,278.48	7,075.91	35.92	35.89	88.71	645.95	1,012.54	650.44	578.81	71.63	9.080		
7,350.00	7,127.23	7,332.97	7,111.06	36.32	36.25	88.89	649.20	971.05	651.43	579.04	72.39	8.999		
7,400.00	7,154.12	7,387.73	7,142.69	36.75	36.66	89.07	652.13	926.46	652.00	578.77	73.23	8.904		
7,450.00	7,177.61	7,442.74	7,170.51	37.22	37.11	89.26	654.71	879.10	652.12	577.98	74.15	8.795		
7,500.00	7,197.57	7,497.93	7,194.22	37.73	37.60	89.45	656.91	829.33	651.81	576.66	75.16	8.673		
7,550.00	7,213.88	7,553.27	7,213.60	38.28	38.14	89.64	658.72	777.55	651.06	574.81	76.25	8.538		
7,600.00	7,226.42	7,608.70	7,228.46	38.87	38.74	89.83	660.12	724.18	649.88	572.44	77.44	8.392		
7,650.00	7,235.13	7,664.18	7,238.63	39.48	39.37	90.02	661.08	669.67	648.25	569.56	78.69	8.238		
7,700.00	7,239.95	7,719.65	7,244.05	40.12	40.03	90.22	661.61	614.48	646.21	566.21	80.00	8.077		
7,735.44	7,241.00	7,758.94	7,244.98	40.59	40.51	90.35	661.72	575.21	644.51	563.56	80.95	7.961		
7,800.00	7,241.11	7,822.87	7,245.12	41.47	41.35	90.35	661.77	511.29	641.29	558.60	82.69	7.755		
7,900.00	7,241.27	7,922.74	7,245.30	42.96	42.78	90.36	661.85	411.41	636.30	550.68	85.62	7.432		
8,000.00	7,241.44	8,022.62	7,245.47	44.59	44.35	90.36	661.93	311.54	631.30	542.48	88.82	7.107		
8,100.00	7,241.61	8,122.49	7,245.65	46.34	46.04	90.37	662.01	211.66	626.31	534.04	92.27	6.788		
8,200.00	7,241.77	8,222.37	7,245.83	48.20	47.84	90.37	662.08	111.79	621.32	525.38	95.93	6.477		
8,300.00	7,241.94	8,322.24	7,246.00	50.16	49.74	90.37	662.16	11.91	616.33	516.53	99.79	6.176		
8,400.00	7,242.11	8,422.12	7,246.18	52.20	51.73	90.38	662.24	-87.97	611.33	507.51	103.82	5.888		
8,500.00	7,242.27	8,521.99	7,246.36	54.31	53.80	90.38	662.32	-187.84	606.34	498.33	108.01	5.614		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,600.00	7,242.44	8,621.87	7,246.54	56.49	55.94	90.39	662.39	-287.72	601.35	489.02	112.33	5.353		
8,700.00	7,242.60	8,721.74	7,246.71	58.73	58.14	90.39	662.47	-387.59	596.36	479.58	116.77	5.107		
8,800.00	7,242.77	8,821.62	7,246.89	61.03	60.40	90.39	662.55	-487.47	591.36	470.04	121.32	4.874		
8,900.00	7,242.94	8,921.49	7,247.07	63.37	62.71	90.40	662.63	-587.34	586.37	460.40	125.97	4.655		
9,000.00	7,243.10	9,021.37	7,247.24	65.75	65.06	90.40	662.70	-687.22	581.38	450.68	130.70	4.448		
9,100.00	7,243.27	9,121.24	7,247.42	68.18	67.44	90.41	662.78	-787.09	576.38	440.88	135.51	4.254		
9,200.00	7,243.44	9,221.12	7,247.60	70.63	69.87	90.41	662.86	-886.97	571.39	431.01	140.38	4.070		
9,300.00	7,243.60	9,320.99	7,247.77	73.12	72.32	90.42	662.93	-986.84	566.40	421.08	145.32	3.898		
9,400.00	7,243.77	9,420.87	7,247.95	75.63	74.81	90.42	663.01	-1,086.72	561.41	411.09	150.32	3.735		
9,500.00	7,243.94	9,520.75	7,248.13	78.17	77.32	90.43	663.09	-1,186.59	556.41	401.05	155.36	3.581		
9,600.00	7,244.10	9,620.62	7,248.30	80.73	79.85	90.43	663.17	-1,286.47	551.42	390.97	160.45	3.437		
9,700.00	7,244.27	9,720.50	7,248.48	83.31	82.41	90.44	663.24	-1,386.34	546.43	380.84	165.59	3.300		
9,800.00	7,244.44	9,820.37	7,248.66	85.91	84.98	90.44	663.32	-1,486.22	541.44	370.68	170.76	3.171		
9,900.00	7,244.60	9,920.25	7,248.84	88.53	87.57	90.45	663.40	-1,586.09	536.44	360.48	175.96	3.049		
10,000.00	7,244.77	10,020.12	7,249.01	91.16	90.18	90.45	663.48	-1,685.97	531.45	350.25	181.20	2.933		
10,100.00	7,244.94	10,120.00	7,249.19	93.81	92.80	90.46	663.55	-1,785.84	526.46	340.00	186.46	2.823		
10,200.00	7,245.10	10,219.87	7,249.37	96.46	95.44	90.46	663.63	-1,885.72	521.47	329.71	191.75	2.719		
10,300.00	7,245.27	10,319.75	7,249.54	99.14	98.09	90.47	663.71	-1,985.59	516.47	319.40	197.07	2.621		
10,400.00	7,245.43	10,419.62	7,249.72	101.82	100.75	90.48	663.79	-2,085.47	511.48	309.07	202.41	2.527		
10,500.00	7,245.60	10,519.50	7,249.90	104.51	103.42	90.48	663.86	-2,185.34	506.49	298.72	207.77	2.438		
10,600.00	7,245.77	10,619.37	7,250.07	107.21	106.10	90.49	663.94	-2,285.22	501.50	288.35	213.14	2.353		
10,700.00	7,245.93	10,719.25	7,250.25	109.92	108.78	90.49	664.02	-2,385.09	496.50	277.96	218.54	2.272		
10,800.00	7,246.10	10,819.12	7,250.43	112.64	111.48	90.50	664.10	-2,484.97	491.51	267.56	223.95	2.195		
10,900.00	7,246.27	10,919.00	7,250.61	115.37	114.19	90.51	664.17	-2,584.84	486.52	257.14	229.38	2.121		
11,000.00	7,246.43	11,018.87	7,250.78	118.10	116.90	90.51	664.25	-2,684.72	481.53	246.71	234.82	2.051		
11,100.00	7,246.60	11,118.75	7,250.96	120.84	119.62	90.52	664.33	-2,784.59	476.53	236.26	240.27	1.983		
11,200.00	7,246.77	11,218.62	7,251.14	123.58	122.34	90.53	664.40	-2,884.47	471.54	225.80	245.74	1.919		
11,300.00	7,246.93	11,318.50	7,251.31	126.34	125.07	90.53	664.48	-2,984.34	466.55	215.33	251.22	1.857		
11,340.34	7,247.00	11,358.79	7,251.38	127.45	126.18	90.54	664.51	-3,024.63	464.53	211.10	253.43	1.833		
11,400.00	7,247.10	11,418.40	7,251.49	129.09	127.81	90.54	664.56	-3,084.24	462.18	205.47	256.71	1.800		
11,483.43	7,247.25	11,501.82	7,251.64	131.38	130.10	90.55	664.62	-3,167.67	460.96	199.67	261.29	1.764		
11,500.00	7,247.27	11,518.39	7,251.67	131.84	130.56	90.55	664.64	-3,184.23	461.01	198.81	262.20	1.758		
11,586.15	7,247.43	11,604.51	7,251.82	134.20	132.92	90.55	664.70	-3,270.36	462.80	195.87	266.93	1.734		
11,600.00	7,247.45	11,618.36	7,251.84	134.57	133.31	90.55	664.71	-3,284.20	463.30	195.61	267.69	1.731		
11,700.00	7,247.64	11,718.30	7,252.02	137.31	136.06	90.54	664.79	-3,384.14	466.88	193.70	273.19	1.709		
11,800.00	7,247.82	11,818.23	7,252.20	140.05	138.82	90.54	664.87	-3,484.07	470.47	191.78	278.69	1.688		
11,900.00	7,248.00	11,918.17	7,252.38	142.79	141.58	90.53	664.95	-3,584.01	474.05	189.85	284.20	1.668		
12,000.00	7,248.18	12,018.10	7,252.55	145.53	144.34	90.53	665.02	-3,683.94	477.64	187.92	289.72	1.649		
12,100.00	7,248.37	12,118.04	7,252.73	148.28	147.11	90.52	665.10	-3,783.88	481.22	185.98	295.24	1.630		
12,200.00	7,248.55	12,217.97	7,252.91	151.04	149.88	90.52	665.18	-3,883.81	484.81	184.03	300.77	1.612		
12,300.00	7,248.73	12,317.91	7,253.08	153.80	152.66	90.51	665.26	-3,983.75	488.39	182.08	306.31	1.594		
12,400.00	7,248.91	12,417.85	7,253.26	156.56	155.44	90.51	665.33	-4,083.69	491.97	180.12	311.86	1.578		
12,500.00	7,249.10	12,517.78	7,253.44	159.32	158.22	90.51	665.41	-4,183.62	495.56	178.15	317.41	1.561		
12,600.00	7,249.28	12,617.72	7,253.61	162.09	161.00	90.50	665.49	-4,283.56	499.14	176.18	322.96	1.546		
12,700.00	7,249.46	12,717.65	7,253.79	164.86	163.79	90.50	665.57	-4,383.49	502.73	174.21	328.52	1.530		
12,800.00	7,249.64	12,817.59	7,253.97	167.63	166.58	90.49	665.64	-4,483.43	506.31	172.22	334.09	1.516		
12,900.00	7,249.83	12,917.52	7,254.15	170.40	169.37	90.49	665.72	-4,583.36	509.90	170.24	339.66	1.501		
13,000.00	7,250.01	13,017.46	7,254.32	173.18	172.16	90.49	665.80	-4,683.30	513.48	168.25	345.23	1.487 Level 3		
13,100.00	7,250.19	13,117.40	7,254.50	175.96	174.96	90.48	665.88	-4,783.23	517.06	166.26	350.81	1.474 Level 3		
13,200.00	7,250.37	13,217.33	7,254.68	178.74	177.75	90.48	665.95	-4,883.17	520.65	164.26	356.39	1.461 Level 3		
13,300.00	7,250.56	13,317.27	7,254.85	181.52	180.55	90.47	666.03	-4,983.11	524.23	162.26	361.98	1.448 Level 3		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,400.00	7,250.74	13,417.20	7,255.03	184.31	183.35	90.47	666.11	-5,083.04	527.82	160.25	367.57	1.436	Level 3	
13,500.00	7,250.92	13,517.14	7,255.21	187.09	186.16	90.47	666.19	-5,182.98	531.40	158.24	373.16	1.424	Level 3	
13,600.00	7,251.10	13,617.07	7,255.39	189.88	188.96	90.46	666.26	-5,282.91	534.99	156.23	378.76	1.412	Level 3	
13,700.00	7,251.29	13,717.01	7,255.56	192.67	191.77	90.46	666.34	-5,382.85	538.57	154.21	384.36	1.401	Level 3	
13,800.00	7,251.47	13,816.95	7,255.74	195.47	194.57	90.46	666.42	-5,482.78	542.16	152.20	389.96	1.390	Level 3	
13,900.00	7,251.65	13,916.88	7,255.92	198.26	197.38	90.45	666.50	-5,582.72	545.74	150.17	395.57	1.380	Level 3	
14,000.00	7,251.83	14,016.82	7,256.09	201.05	200.19	90.45	666.57	-5,682.65	549.32	148.15	401.17	1.369	Level 3	
14,100.00	7,252.01	14,116.75	7,256.27	203.85	203.01	90.45	666.65	-5,782.59	552.91	146.12	406.79	1.359	Level 3	
14,200.00	7,252.20	14,216.69	7,256.45	206.65	205.82	90.44	666.73	-5,882.53	556.49	144.09	412.40	1.349	Level 3	
14,300.00	7,252.38	14,316.62	7,256.62	209.45	208.63	90.44	666.80	-5,982.46	560.08	142.06	418.02	1.340	Level 3	
14,400.00	7,252.56	14,416.56	7,256.80	212.25	211.45	90.43	666.88	-6,082.40	563.66	140.03	423.63	1.331	Level 3	
14,500.00	7,252.74	14,516.50	7,256.98	215.05	214.27	90.43	666.96	-6,182.33	567.25	137.99	429.25	1.321	Level 3	
14,600.00	7,252.93	14,616.43	7,257.16	217.86	217.08	90.43	667.04	-6,282.27	570.83	135.95	434.88	1.313	Level 3	
14,700.00	7,253.11	14,716.37	7,257.33	220.66	219.90	90.43	667.11	-6,382.20	574.41	133.91	440.50	1.304	Level 3	
14,800.00	7,253.29	14,816.30	7,257.51	223.47	222.72	90.42	667.19	-6,482.14	578.00	131.87	446.13	1.296	Level 3	
14,900.00	7,253.47	14,916.24	7,257.69	226.27	225.54	90.42	667.27	-6,582.07	581.58	129.82	451.76	1.287	Level 3	
15,000.00	7,253.66	15,016.17	7,257.86	229.08	228.36	90.42	667.35	-6,682.01	585.17	127.78	457.39	1.279	Level 3	
15,100.00	7,253.84	15,116.11	7,258.04	231.89	231.19	90.41	667.42	-6,781.95	588.75	125.73	463.02	1.272	Level 3	
15,200.00	7,254.02	15,216.05	7,258.22	234.70	234.01	90.41	667.50	-6,881.88	592.34	123.68	468.66	1.264	Level 3	
15,300.00	7,254.20	15,315.98	7,258.39	237.51	236.84	90.41	667.58	-6,981.82	595.92	121.63	474.29	1.256	Level 3	
15,400.00	7,254.39	15,415.92	7,258.57	240.32	239.66	90.40	667.66	-7,081.75	599.51	119.58	479.93	1.249	Level 2	
15,500.00	7,254.57	15,515.85	7,258.75	243.13	242.49	90.40	667.73	-7,181.69	603.09	117.52	485.57	1.242	Level 2	
15,600.00	7,254.75	15,615.79	7,258.93	245.94	245.31	90.40	667.81	-7,281.62	606.67	115.46	491.21	1.235	Level 2	
15,700.00	7,254.93	15,715.72	7,259.10	248.76	248.14	90.40	667.89	-7,381.56	610.26	113.41	496.85	1.228	Level 2	
15,800.00	7,255.12	15,815.66	7,259.28	251.57	250.97	90.39	667.97	-7,481.49	613.84	111.35	502.50	1.222	Level 2	
15,900.00	7,255.30	15,915.60	7,259.46	254.39	253.80	90.39	668.04	-7,581.43	617.43	109.29	508.14	1.215	Level 2	
16,000.00	7,255.48	16,015.53	7,259.63	257.20	256.63	90.39	668.12	-7,681.37	621.01	107.22	513.79	1.209	Level 2	
16,100.00	7,255.66	16,115.47	7,259.81	260.02	259.46	90.38	668.20	-7,781.30	624.60	105.16	519.44	1.202	Level 2	
16,200.00	7,255.85	16,215.40	7,259.99	262.84	262.29	90.38	668.28	-7,881.24	628.18	103.10	525.08	1.196	Level 2	
16,300.00	7,256.03	16,315.34	7,260.17	265.65	265.12	90.38	668.35	-7,981.17	631.77	101.03	530.73	1.190	Level 2	
16,400.00	7,256.21	16,415.27	7,260.34	268.47	267.95	90.38	668.43	-8,081.11	635.35	98.96	536.39	1.185	Level 2	
16,500.00	7,256.39	16,515.21	7,260.52	271.29	270.78	90.37	668.51	-8,181.04	638.93	96.90	542.04	1.179	Level 2	
16,600.00	7,256.58	16,615.15	7,260.70	274.11	273.62	90.37	668.59	-8,280.98	642.52	94.83	547.69	1.173	Level 2	
16,700.00	7,256.76	16,715.08	7,260.87	276.93	276.45	90.37	668.66	-8,380.91	646.10	92.76	553.35	1.168	Level 2	
16,800.00	7,256.94	16,815.02	7,261.05	279.75	279.28	90.37	668.74	-8,480.85	649.69	90.69	559.00	1.162	Level 2	
16,900.00	7,257.12	16,914.95	7,261.23	282.57	282.12	90.36	668.82	-8,580.79	653.27	88.61	564.66	1.157	Level 2	
17,000.00	7,257.30	17,014.89	7,261.40	285.40	284.95	90.36	668.90	-8,680.72	656.86	86.54	570.31	1.152	Level 2	
17,100.00	7,257.49	17,114.82	7,261.58	288.22	287.79	90.36	668.97	-8,780.66	660.44	84.47	575.97	1.147	Level 2	
17,200.00	7,257.67	17,214.76	7,261.76	291.04	290.62	90.36	669.05	-8,880.59	664.03	82.39	581.63	1.142	Level 2	
17,300.00	7,257.85	17,314.70	7,261.94	293.87	293.46	90.35	669.13	-8,980.53	667.61	80.32	587.29	1.137	Level 2	
17,400.00	7,258.03	17,414.63	7,262.11	296.69	296.30	90.35	669.21	-9,080.46	671.19	78.24	592.95	1.132	Level 2	
17,500.00	7,258.22	17,514.57	7,262.29	299.51	299.14	90.35	669.28	-9,180.40	674.78	76.16	598.62	1.127	Level 2	
17,600.00	7,258.40	17,614.50	7,262.47	302.34	301.97	90.35	669.36	-9,280.33	678.36	74.09	604.28	1.123	Level 2	
17,700.00	7,258.58	17,714.44	7,262.64	305.16	304.81	90.35	669.44	-9,380.27	681.95	72.01	609.94	1.118	Level 2	
17,800.00	7,258.76	17,814.38	7,262.82	307.99	307.65	90.34	669.51	-9,480.21	685.53	69.93	615.60	1.114	Level 2	
17,900.00	7,258.95	17,914.31	7,263.00	310.82	310.49	90.34	669.59	-9,580.14	689.12	67.85	621.27	1.109	Level 2	
18,000.00	7,259.13	18,014.25	7,263.17	313.64	313.33	90.34	669.67	-9,680.08	692.70	65.77	626.94	1.105	Level 2	
18,100.00	7,259.31	18,114.18	7,263.35	316.47	316.17	90.34	669.75	-9,780.01	696.29	63.68	632.60	1.101	Level 2	
18,200.00	7,259.49	18,214.12	7,263.53	319.30	319.01	90.33	669.82	-9,879.95	699.87	61.60	638.27	1.097	Level 2	
18,300.00	7,259.68	18,314.05	7,263.71	322.12	321.85	90.33	669.90	-9,979.88	703.45	59.52	643.94	1.092	Level 2	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	18,413.99	7,263.88	324.95	324.69	90.33	669.98	-10,079.82	707.04	57.44	649.60	1.088 Level 2		
18,500.00	7,260.04	18,513.93	7,264.06	327.78	327.53	90.33	670.06	-10,179.75	710.62	55.35	655.27	1.084 Level 2		
18,600.00	7,260.22	18,613.86	7,264.24	330.61	330.37	90.33	670.13	-10,279.69	714.21	53.27	660.94	1.081 Level 2		
18,700.00	7,260.41	18,713.80	7,264.41	333.44	333.21	90.32	670.21	-10,379.63	717.79	51.18	666.61	1.077 Level 2		
18,800.00	7,260.59	18,813.73	7,264.59	336.27	336.05	90.32	670.29	-10,479.56	721.38	49.09	672.28	1.073 Level 2		
18,900.00	7,260.77	18,913.67	7,264.77	339.10	338.89	90.32	670.37	-10,579.50	724.96	47.01	677.95	1.069 Level 2		
19,000.00	7,260.95	19,013.60	7,264.95	341.93	341.74	90.32	670.44	-10,679.43	728.55	44.92	683.63	1.066 Level 2		
19,025.91	7,261.00	19,039.50	7,264.99	342.66	342.47	90.32	670.46	-10,705.33	729.47	44.38	685.10	1.065 Level 2, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	29.87	0.28	29.87					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	29.87	0.28	29.87	23.30	6.57	4.547		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	29.87	0.28	29.87	23.20	6.67	4.476 CC		
204.18	204.18	204.18	204.18	3.34	3.34	-90.18	29.87	0.28	29.87	23.19	6.68	4.471		
300.00	299.98	299.98	299.98	3.44	3.44	-93.52	29.87	0.28	29.93	23.04	6.89	4.345		
400.00	399.84	399.71	399.69	3.60	3.60	-100.07	30.39	1.93	30.89	23.69	7.20	4.292		
500.00	499.45	499.52	499.36	3.81	3.80	-105.90	31.96	6.90	33.33	25.73	7.60	4.387		
600.00	598.70	599.41	598.87	4.05	4.04	-110.53	34.57	15.19	37.15	29.07	8.08	4.597		
700.00	697.47	699.36	698.07	4.34	4.32	-113.87	38.23	26.78	42.23	33.59	8.64	4.888		
800.00	795.62	799.35	796.82	4.66	4.63	-116.06	42.92	41.68	48.46	39.19	9.27	5.229		
849.22	843.68	848.57	845.23	4.84	4.79	-116.79	45.61	50.22	51.93	42.33	9.60	5.408		
900.00	893.16	899.37	895.01	5.02	4.97	-117.01	48.65	59.86	55.58	45.61	9.96	5.579		
1,000.00	990.60	1,000.80	992.50	5.41	5.34	-115.87	55.11	80.33	62.50	51.78	10.72	5.832		
1,100.00	1,088.05	1,101.05	1,089.90	5.83	5.74	-114.88	61.59	100.89	69.43	57.92	11.51	6.032		
1,200.00	1,185.49	1,201.30	1,187.29	6.26	6.15	-114.06	68.07	121.45	76.38	64.04	12.34	6.189		
1,300.00	1,282.93	1,301.54	1,284.69	6.70	6.58	-113.38	74.56	142.01	83.34	70.14	13.20	6.313		
1,400.00	1,380.37	1,401.79	1,382.08	7.15	7.02	-112.81	81.04	162.57	90.31	76.23	14.08	6.413		
1,500.00	1,477.82	1,502.04	1,479.48	7.62	7.46	-112.32	87.52	183.13	97.29	82.31	14.99	6.492		
1,600.00	1,575.26	1,602.28	1,576.88	8.09	7.92	-111.89	94.00	203.69	104.28	88.37	15.90	6.557		
1,700.00	1,672.70	1,697.47	1,674.27	8.57	8.36	-111.52	100.49	224.25	111.27	94.46	16.81	6.619		
1,800.00	1,770.15	1,797.22	1,771.67	9.05	8.83	-111.19	106.97	244.80	118.26	100.51	17.75	6.662		
1,900.00	1,867.59	1,903.02	1,869.06	9.54	9.33	-110.90	113.45	265.36	125.26	106.53	18.73	6.688		
2,000.00	1,965.03	2,003.27	1,966.46	10.03	9.80	-110.64	119.93	285.92	132.26	112.57	19.69	6.717		
2,100.00	2,062.48	2,103.52	2,063.85	10.53	10.29	-110.41	126.41	306.48	139.26	118.61	20.66	6.742		
2,200.00	2,159.92	2,196.23	2,161.25	11.03	10.73	-110.19	132.90	327.04	146.27	124.68	21.59	6.774		
2,300.00	2,257.36	2,304.01	2,258.65	11.53	11.26	-110.00	139.38	347.60	153.28	130.67	22.61	6.779		
2,400.00	2,354.81	2,404.26	2,356.04	12.03	11.75	-109.83	145.86	368.16	160.28	136.69	23.59	6.794		
2,500.00	2,452.25	2,504.51	2,453.44	12.54	12.24	-109.67	152.34	388.72	167.29	142.72	24.58	6.806		
2,600.00	2,549.69	2,604.75	2,550.83	13.04	12.73	-109.52	158.83	409.27	174.31	148.74	25.57	6.817		
2,700.00	2,647.13	2,695.00	2,648.23	13.55	13.18	-109.38	165.31	429.83	181.32	154.80	26.52	6.838		
2,800.00	2,744.58	2,805.25	2,745.63	14.06	13.72	-109.25	171.79	450.39	188.33	160.77	27.56	6.833		
2,900.00	2,842.02	2,905.50	2,843.02	14.57	14.22	-109.14	178.27	470.95	195.35	166.78	28.56	6.839		
3,000.00	2,939.46	3,005.74	2,940.42	15.09	14.72	-109.03	184.75	491.51	202.36	172.80	29.56	6.845		
3,100.00	3,036.91	3,105.99	3,037.81	15.60	15.22	-108.93	191.24	512.07	209.38	178.81	30.57	6.850		
3,200.00	3,134.35	3,206.24	3,135.21	16.11	15.72	-108.83	197.72	532.63	216.39	184.82	31.57	6.854		
3,300.00	3,231.79	3,306.48	3,232.61	16.63	16.22	-108.74	204.20	553.19	223.41	190.83	32.58	6.857		
3,400.00	3,329.24	3,406.73	3,330.00	17.14	16.72	-108.66	210.68	573.75	230.43	196.84	33.59	6.860		
3,500.00	3,426.68	3,506.98	3,427.40	17.66	17.23	-108.58	217.16	594.30	237.44	202.84	34.60	6.862		
3,600.00	3,524.12	3,607.22	3,524.79	18.18	17.73	-108.50	223.65	614.86	244.46	208.85	35.61	6.864		
3,700.00	3,621.57	3,707.47	3,622.19	18.69	18.23	-108.43	230.13	635.42	251.48	214.85	36.63	6.866		
3,800.00	3,719.01	3,807.72	3,719.59	19.21	18.74	-108.37	236.61	655.98	258.50	220.86	37.64	6.868		
3,900.00	3,816.45	3,907.97	3,816.98	19.73	19.25	-108.30	243.09	676.54	265.52	226.86	38.65	6.869		
4,000.00	3,913.90	3,991.79	3,914.38	20.25	19.67	-108.24	249.58	697.10	272.54	232.95	39.59	6.884		
4,100.00	4,011.34	4,108.46	4,011.77	20.77	20.26	-108.19	256.06	717.66	279.56	238.87	40.69	6.871		
4,200.00	4,108.78	4,208.71	4,109.17	21.29	20.76	-108.13	262.54	738.22	286.58	244.87	41.71	6.871		
4,300.00	4,206.22	4,308.95	4,206.57	21.81	21.27	-108.08	269.02	758.77	293.60	250.87	42.72	6.872		
4,400.00	4,303.67	4,409.20	4,303.96	22.33	21.78	-108.03	275.50	779.33	300.62	256.87	43.74	6.872		
4,500.00	4,401.11	4,490.55	4,401.36	22.85	22.19	-107.99	281.99	799.89	307.64	262.97	44.67	6.887		
4,600.00	4,498.55	4,590.31	4,498.75	23.37	22.70	-107.94	288.47	820.45	314.66	268.97	45.68	6.888		
4,700.00	4,596.00	4,709.94	4,596.15	23.89	23.30	-107.90	294.95	841.01	321.68	274.88	46.80	6.873		
4,800.00	4,693.44	4,789.81	4,693.55	24.41	23.71	-107.86	301.43	861.57	328.70	280.98	47.72	6.888		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,790.88	4,889.56	4,790.94	24.93	24.21	-107.82	307.91	882.13	335.72	286.98	48.74	6.888		
5,000.00	4,888.33	4,989.32	4,888.34	25.46	24.72	-107.78	314.40	902.69	342.74	292.98	49.76	6.888		
5,100.00	4,985.77	5,089.07	4,985.73	25.98	25.23	-107.75	320.88	923.24	349.76	298.98	50.78	6.888		
5,200.00	5,083.21	5,188.82	5,083.13	26.50	25.73	-107.71	327.36	943.80	356.79	304.98	51.80	6.887		
5,300.00	5,180.66	5,288.58	5,180.52	27.02	26.24	-107.68	333.84	964.36	363.81	310.99	52.82	6.887		
5,400.00	5,278.10	5,388.33	5,277.92	27.55	26.75	-107.65	340.33	984.92	370.83	316.99	53.84	6.887		
5,500.00	5,375.54	5,488.08	5,375.32	28.07	27.26	-107.62	346.81	1,005.48	377.85	322.99	54.87	6.887		
5,582.90	5,456.32	5,570.77	5,456.06	28.50	27.68	-107.59	352.18	1,022.52	383.67	327.96	55.71	6.887		
5,600.00	5,473.00	5,587.84	5,472.71	28.59	27.76	-107.60	353.29	1,026.04	384.86	328.97	55.89	6.886		
5,700.00	5,570.93	5,687.60	5,570.12	29.10	28.27	-107.37	359.77	1,046.60	391.18	334.28	56.91	6.874		
5,800.00	5,669.52	5,787.29	5,667.46	29.57	28.78	-106.64	366.25	1,067.15	396.51	338.60	57.92	6.846		
5,900.00	5,768.62	5,886.79	5,764.60	30.03	29.29	-105.45	372.72	1,087.65	400.99	342.07	58.91	6.806		
6,000.00	5,868.13	5,985.96	5,861.44	30.45	29.79	-103.80	379.16	1,108.09	404.81	344.91	59.90	6.758		
6,100.00	5,967.93	6,084.70	5,957.84	30.86	30.29	-101.72	385.58	1,128.44	408.29	347.42	60.87	6.708		
6,200.00	6,067.88	6,182.88	6,053.70	31.24	30.79	-99.23	391.96	1,148.68	411.77	349.95	61.81	6.661		
6,232.12	6,100.00	6,214.28	6,084.36	31.36	30.95	-7.64	394.00	1,155.15	412.96	350.85	62.11	6.649		
6,300.00	6,167.88	6,280.56	6,149.07	31.61	31.29	-5.69	398.30	1,168.81	415.78	353.05	62.72	6.629		
6,400.00	6,267.88	6,378.19	6,244.40	31.97	31.79	-2.87	404.65	1,188.93	420.83	357.22	63.61	6.616		
6,500.00	6,367.88	6,475.74	6,339.84	32.34	32.28	-0.27	411.00	1,208.00	426.93	362.46	64.47	6.622		
6,600.00	6,467.88	6,575.64	6,439.16	32.70	32.70	0.68	417.61	1,215.13	433.59	368.33	65.26	6.644		
6,700.00	6,567.88	6,675.32	6,538.15	33.07	33.06	-0.44	424.19	1,206.66	440.20	374.21	65.99	6.671		
6,736.50	6,604.38	6,710.71	6,572.82	33.21	33.19	-1.31	426.49	1,199.93	442.73	376.49	66.24	6.684		
6,750.00	6,617.88	6,723.62	6,585.36	33.25	33.24	85.34	427.32	1,197.00	443.69	377.37	66.32	6.690		
6,800.00	6,667.77	6,770.99	6,630.82	33.43	33.42	83.72	430.34	1,184.07	447.29	380.66	66.63	6.713		
6,850.00	6,717.28	6,817.66	6,674.55	33.60	33.61	82.17	433.24	1,168.05	450.89	383.97	66.92	6.738		
6,900.00	6,766.09	6,863.69	6,716.42	33.79	33.80	80.69	436.02	1,149.15	454.46	387.26	67.20	6.763		
6,950.00	6,813.90	6,909.12	6,756.30	33.99	34.01	79.29	438.66	1,127.57	457.94	390.47	67.47	6.788		
7,000.00	6,860.42	6,953.99	6,794.08	34.20	34.23	77.96	441.16	1,103.51	461.30	393.57	67.73	6.811		
7,050.00	6,905.36	6,998.35	6,829.68	34.42	34.47	76.72	443.52	1,077.16	464.49	396.50	67.99	6.832		
7,100.00	6,948.45	7,042.24	6,863.02	34.67	34.72	75.56	445.73	1,048.71	467.47	399.22	68.25	6.849		
7,150.00	6,989.41	7,085.70	6,894.02	34.94	35.00	74.49	447.78	1,018.34	470.20	401.67	68.53	6.861		
7,200.00	7,028.00	7,128.76	6,922.64	35.24	35.29	73.51	449.67	986.23	472.65	403.81	68.84	6.866		
7,250.00	7,063.98	7,171.47	6,948.81	35.56	35.61	72.62	451.40	952.54	474.78	405.60	69.18	6.863		
7,300.00	7,097.13	7,213.85	6,972.50	35.92	35.95	71.82	452.96	917.44	476.55	406.99	69.56	6.851		
7,350.00	7,127.23	7,255.94	6,993.66	36.32	36.31	71.11	454.36	881.09	477.95	407.94	70.00	6.828		
7,400.00	7,154.12	7,297.77	7,012.28	36.75	36.70	70.50	455.58	843.66	478.94	408.42	70.52	6.792		
7,450.00	7,177.61	7,339.38	7,028.33	37.22	37.12	69.98	456.64	805.29	479.50	408.39	71.11	6.743		
7,500.00	7,197.57	7,380.79	7,041.78	37.73	37.56	69.55	457.52	766.15	479.63	407.84	71.79	6.681		
7,550.00	7,213.88	7,422.04	7,052.63	38.28	38.02	69.22	458.22	726.37	479.30	406.74	72.56	6.605		
7,600.00	7,226.42	7,463.14	7,060.86	38.87	38.50	68.98	458.76	686.10	478.51	405.08	73.43	6.517		
7,650.00	7,235.13	7,504.14	7,066.47	39.48	39.00	68.84	459.12	645.50	477.25	402.87	74.38	6.416		
7,700.00	7,239.95	7,545.07	7,069.46	40.12	39.52	68.80	459.30	604.69	475.53	400.11	75.42	6.305		
7,735.44	7,241.00	7,574.67	7,070.00	40.59	39.89	68.82	459.33	575.09	474.02	397.81	76.21	6.220		
7,800.00	7,241.11	7,639.15	7,070.00	41.47	40.78	68.67	459.31	510.62	470.99	393.16	77.82	6.052		
7,900.00	7,241.27	7,739.02	7,070.01	42.96	42.25	68.42	459.27	410.75	466.29	385.77	80.52	5.791		
8,000.00	7,241.44	7,838.89	7,070.02	44.59	43.86	68.17	459.24	310.88	461.61	378.15	83.46	5.531		
8,100.00	7,241.61	7,938.76	7,070.03	46.34	45.59	67.91	459.20	211.01	456.93	370.32	86.61	5.276		
8,200.00	7,241.77	8,038.62	7,070.04	48.20	47.43	67.65	459.17	111.14	452.27	362.32	89.95	5.028		
8,300.00	7,241.94	8,138.49	7,070.05	50.16	49.36	67.39	459.14	11.27	447.61	354.16	93.45	4.790		
8,400.00	7,242.11	8,238.36	7,070.06	52.20	51.39	67.11	459.10	-88.60	442.96	345.88	97.08	4.563		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,242.27	8,338.23	7,070.07	54.31	53.49	66.84	459.07	-188.47	438.33	337.48	100.85	4.347		
8,600.00	7,242.44	8,438.10	7,070.08	56.49	55.65	66.55	459.04	-288.34	433.70	328.99	104.71	4.142		
8,700.00	7,242.60	8,537.97	7,070.08	58.73	57.88	66.26	459.00	-388.21	429.08	320.42	108.66	3.949		
8,800.00	7,242.77	8,637.84	7,070.09	61.03	60.16	65.96	458.97	-488.08	424.48	311.79	112.69	3.767		
8,900.00	7,242.94	8,737.71	7,070.10	63.37	62.49	65.66	458.94	-587.95	419.89	303.11	116.78	3.596		
9,000.00	7,243.10	8,837.58	7,070.11	65.75	64.86	65.35	458.90	-687.82	415.31	294.39	120.92	3.435		
9,100.00	7,243.27	8,937.45	7,070.12	68.18	67.26	65.03	458.87	-787.69	410.74	285.64	125.10	3.283		
9,200.00	7,243.44	9,037.32	7,070.13	70.63	69.70	64.71	458.83	-887.56	406.18	276.87	129.32	3.141		
9,300.00	7,243.60	9,137.19	7,070.14	73.12	72.18	64.38	458.80	-987.42	401.64	268.08	133.56	3.007		
9,400.00	7,243.77	9,237.06	7,070.15	75.63	74.68	64.04	458.77	-1,087.29	397.11	259.30	137.81	2.881		
9,500.00	7,243.94	9,336.93	7,070.16	78.17	77.20	63.69	458.73	-1,187.16	392.60	250.52	142.08	2.763		
9,600.00	7,244.10	9,436.80	7,070.16	80.73	79.75	63.34	458.70	-1,287.03	388.10	241.75	146.35	2.652		
9,700.00	7,244.27	9,536.67	7,070.17	83.31	82.32	62.98	458.67	-1,386.90	383.62	232.99	150.62	2.547		
9,800.00	7,244.44	9,636.54	7,070.18	85.91	84.90	62.60	458.63	-1,486.77	379.15	224.26	154.89	2.448		
9,900.00	7,244.60	9,736.41	7,070.19	88.53	87.50	62.22	458.60	-1,586.64	374.69	215.56	159.14	2.355		
10,000.00	7,244.77	9,836.28	7,070.20	91.16	90.12	61.83	458.57	-1,686.51	370.26	206.89	163.37	2.266		
10,100.00	7,244.94	9,936.15	7,070.21	93.81	92.75	61.44	458.53	-1,786.38	365.84	198.27	167.58	2.183		
10,200.00	7,245.10	10,036.02	7,070.22	96.46	95.40	61.03	458.50	-1,886.25	361.44	189.68	171.76	2.104		
10,300.00	7,245.27	10,135.89	7,070.23	99.14	98.06	60.61	458.46	-1,986.12	357.06	181.15	175.91	2.030		
10,400.00	7,245.43	10,235.75	7,070.23	101.82	100.72	60.18	458.43	-2,085.99	352.70	172.68	180.02	1.959		
10,500.00	7,245.60	10,335.62	7,070.24	104.51	103.40	59.74	458.40	-2,185.86	348.36	164.27	184.09	1.892		
10,600.00	7,245.77	10,435.49	7,070.25	107.21	106.09	59.29	458.36	-2,285.73	344.04	155.92	188.12	1.829		
10,700.00	7,245.93	10,535.36	7,070.26	109.92	108.78	58.83	458.33	-2,385.60	339.74	147.65	192.09	1.769		
10,800.00	7,246.10	10,635.23	7,070.27	112.64	111.49	58.35	458.30	-2,485.47	335.46	139.46	196.01	1.711		
10,900.00	7,246.27	10,735.10	7,070.28	115.37	114.20	57.87	458.26	-2,585.34	331.21	131.35	199.87	1.657		
11,000.00	7,246.43	10,834.97	7,070.29	118.10	116.92	57.37	458.23	-2,685.21	326.98	123.33	203.66	1.606		
11,100.00	7,246.60	10,934.84	7,070.30	120.84	119.64	56.86	458.20	-2,785.08	322.78	115.40	207.38	1.556		
11,200.00	7,246.77	11,034.71	7,070.31	123.58	122.37	56.33	458.16	-2,884.95	318.61	107.58	211.03	1.510		
11,300.00	7,246.93	11,134.58	7,070.31	126.34	125.11	55.79	458.13	-2,984.82	314.46	99.87	214.59	1.465 Level 3		
11,340.34	7,247.00	11,174.87	7,070.32	127.45	126.21	55.57	458.11	-3,025.10	312.79	96.79	216.00	1.448 Level 3		
11,400.00	7,247.10	11,234.48	7,070.32	129.09	127.85	55.33	458.09	-3,084.71	310.85	92.64	218.21	1.425 Level 3		
11,483.29	7,247.24	11,317.75	7,070.33	131.38	130.14	55.18	458.07	-3,167.99	309.85	88.12	221.73	1.397 Level 3		
11,500.00	7,247.27	11,334.46	7,070.33	131.84	130.60	55.18	458.06	-3,184.70	309.89	87.38	222.51	1.393 Level 3		
11,586.15	7,247.43	11,420.59	7,070.34	134.20	132.97	55.32	458.03	-3,270.82	311.37	84.51	226.86	1.373 Level 3		
11,600.00	7,247.45	11,434.44	7,070.34	134.57	133.35	55.37	458.03	-3,284.67	311.78	84.17	227.61	1.370 Level 3		
11,700.00	7,247.64	11,534.38	7,070.35	137.31	136.11	55.70	457.99	-3,384.61	314.74	81.71	233.04	1.351 Level 3		
11,800.00	7,247.82	11,634.31	7,070.36	140.05	138.87	56.03	457.96	-3,484.55	317.72	79.24	238.48	1.332 Level 3		
11,900.00	7,248.00	11,734.25	7,070.37	142.79	141.64	56.35	457.93	-3,584.49	320.70	76.77	243.93	1.315 Level 3		
12,000.00	7,248.18	11,834.19	7,070.38	145.53	144.41	56.67	457.89	-3,684.43	323.69	74.29	249.41	1.298 Level 3		
12,100.00	7,248.37	11,934.13	7,070.39	148.28	147.18	56.98	457.86	-3,784.37	326.70	71.80	254.89	1.282 Level 3		
12,200.00	7,248.55	12,034.07	7,070.39	151.04	149.95	57.28	457.82	-3,884.31	329.71	69.32	260.39	1.266 Level 3		
12,300.00	7,248.73	12,134.01	7,070.40	153.80	152.73	57.58	457.79	-3,984.25	332.73	66.82	265.91	1.251 Level 3		
12,400.00	7,248.91	12,233.95	7,070.41	156.56	155.51	57.87	457.76	-4,084.19	335.76	64.33	271.43	1.237 Level 2		
12,500.00	7,249.10	12,333.89	7,070.42	159.32	158.30	58.16	457.72	-4,184.13	338.80	61.83	276.97	1.223 Level 2		
12,600.00	7,249.28	12,433.83	7,070.43	162.09	161.08	58.44	457.69	-4,284.07	341.84	59.32	282.52	1.210 Level 2		
12,700.00	7,249.46	12,533.77	7,070.44	164.86	163.87	58.72	457.66	-4,384.01	344.90	56.82	288.08	1.197 Level 2		
12,800.00	7,249.64	12,633.71	7,070.45	167.63	166.67	58.99	457.62	-4,483.94	347.96	54.31	293.65	1.185 Level 2		
12,900.00	7,249.83	12,733.65	7,070.46	170.40	169.46	59.26	457.59	-4,583.88	351.03	51.80	299.23	1.173 Level 2		
13,000.00	7,250.01	12,833.59	7,070.47	173.18	172.26	59.52	457.56	-4,683.82	354.11	49.29	304.82	1.162 Level 2		
13,100.00	7,250.19	12,933.53	7,070.47	175.96	175.05	59.78	457.52	-4,783.76	357.20	46.78	310.42	1.151 Level 2		
13,200.00	7,250.37	13,033.47	7,070.48	178.74	177.85	60.03	457.49	-4,883.70	360.29	44.27	316.02	1.140 Level 2		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,300.00	7,250.56	13,133.41	7,070.49	181.52	180.65	60.28	457.45	-4,983.64	363.39	41.75	321.64	1.130	Level 2	
13,400.00	7,250.74	13,233.35	7,070.50	184.31	183.46	60.53	457.42	-5,083.58	366.49	39.24	327.26	1.120	Level 2	
13,500.00	7,250.92	13,333.29	7,070.51	187.09	186.26	60.77	457.39	-5,183.52	369.61	36.72	332.89	1.110	Level 2	
13,600.00	7,251.10	13,433.23	7,070.52	189.88	189.07	61.01	457.35	-5,283.46	372.73	34.21	338.52	1.101	Level 2	
13,700.00	7,251.29	13,533.17	7,070.53	192.67	191.88	61.24	457.32	-5,383.40	375.85	31.69	344.16	1.092	Level 2	
13,800.00	7,251.47	13,633.10	7,070.54	195.47	194.69	61.47	457.29	-5,483.34	378.99	29.17	349.81	1.083	Level 2	
13,900.00	7,251.65	13,733.04	7,070.55	198.26	197.50	61.70	457.25	-5,583.28	382.12	26.66	355.47	1.075	Level 2	
14,000.00	7,251.83	13,832.98	7,070.55	201.05	200.31	61.92	457.22	-5,683.22	385.27	24.14	361.13	1.067	Level 2	
14,100.00	7,252.01	13,932.92	7,070.56	203.85	203.13	62.14	457.19	-5,783.16	388.42	21.63	366.79	1.059	Level 2	
14,200.00	7,252.20	14,032.86	7,070.57	206.65	205.94	62.35	457.15	-5,883.10	391.57	19.11	372.46	1.051	Level 2	
14,300.00	7,252.38	14,132.80	7,070.58	209.45	208.76	62.57	457.12	-5,983.04	394.73	16.60	378.14	1.044	Level 2	
14,400.00	7,252.56	14,232.74	7,070.59	212.25	211.57	62.77	457.08	-6,082.98	397.90	14.08	383.82	1.037	Level 2	
14,500.00	7,252.74	14,332.68	7,070.60	215.05	214.39	62.98	457.05	-6,182.92	401.07	11.57	389.50	1.030	Level 2	
14,600.00	7,252.93	14,432.62	7,070.61	217.86	217.21	63.18	457.02	-6,282.86	404.24	9.06	395.19	1.023	Level 2	
14,700.00	7,253.11	14,532.56	7,070.62	220.66	220.03	63.38	456.98	-6,382.80	407.42	6.55	400.88	1.016	Level 2	
14,800.00	7,253.29	14,632.50	7,070.63	223.47	222.85	63.57	456.95	-6,482.73	410.61	4.04	406.57	1.010	Level 2	
14,900.00	7,253.47	14,732.44	7,070.63	226.27	225.68	63.77	456.92	-6,582.67	413.80	1.53	412.27	1.004	Level 2	
15,000.00	7,253.66	14,832.38	7,070.64	229.08	228.50	63.96	456.88	-6,682.61	417.00	-0.98	417.98	0.998	Level 1	
15,100.00	7,253.84	14,932.32	7,070.65	231.89	231.32	64.14	456.85	-6,782.55	420.20	-3.49	423.68	0.992	Level 1	
15,200.00	7,254.02	15,032.26	7,070.66	234.70	234.15	64.33	456.82	-6,882.49	423.40	-5.99	429.39	0.986	Level 1	
15,300.00	7,254.20	15,132.20	7,070.67	237.51	236.97	64.51	456.78	-6,982.43	426.61	-8.50	435.10	0.980	Level 1	
15,400.00	7,254.39	15,232.14	7,070.68	240.32	239.80	64.69	456.75	-7,082.37	429.82	-11.00	440.82	0.975	Level 1	
15,500.00	7,254.57	15,332.08	7,070.69	243.13	242.63	64.86	456.71	-7,182.31	433.04	-13.50	446.53	0.970	Level 1	
15,600.00	7,254.75	15,432.02	7,070.70	245.94	245.45	65.04	456.68	-7,282.25	436.26	-16.00	452.25	0.965	Level 1	
15,700.00	7,254.93	15,531.96	7,070.70	248.76	248.28	65.21	456.65	-7,382.19	439.48	-18.49	457.98	0.960	Level 1	
15,800.00	7,255.12	15,631.90	7,070.71	251.57	251.11	65.37	456.61	-7,482.13	442.71	-20.99	463.70	0.955	Level 1	
15,900.00	7,255.30	15,731.83	7,070.72	254.39	253.94	65.54	456.58	-7,582.07	445.94	-23.49	469.43	0.950	Level 1	
16,000.00	7,255.48	15,831.77	7,070.73	257.20	256.77	65.70	456.55	-7,682.01	449.18	-25.98	475.15	0.945	Level 1	
16,100.00	7,255.66	15,931.71	7,070.74	260.02	259.60	65.86	456.51	-7,781.95	452.42	-28.47	480.89	0.941	Level 1	
16,200.00	7,255.85	16,031.65	7,070.75	262.84	262.44	66.02	456.48	-7,881.89	455.66	-30.96	486.62	0.936	Level 1	
16,300.00	7,256.03	16,131.59	7,070.76	265.65	265.27	66.18	456.44	-7,981.83	458.90	-33.45	492.35	0.932	Level 1	
16,400.00	7,256.21	16,231.53	7,070.77	268.47	268.10	66.33	456.41	-8,081.77	462.15	-35.93	498.09	0.928	Level 1	
16,500.00	7,256.39	16,331.47	7,070.78	271.29	270.93	66.49	456.38	-8,181.71	465.41	-38.42	503.82	0.924	Level 1	
16,600.00	7,256.58	16,431.41	7,070.78	274.11	273.77	66.64	456.34	-8,281.65	468.66	-40.90	509.56	0.920	Level 1	
16,700.00	7,256.76	16,531.35	7,070.79	276.93	276.60	66.78	456.31	-8,381.59	471.92	-43.38	515.30	0.916	Level 1	
16,800.00	7,256.94	16,631.29	7,070.80	279.75	279.44	66.93	456.28	-8,481.52	475.18	-45.86	521.04	0.912	Level 1	
16,900.00	7,257.12	16,731.23	7,070.81	282.57	282.27	67.07	456.24	-8,581.46	478.45	-48.34	526.79	0.908	Level 1	
17,000.00	7,257.30	16,831.17	7,070.82	285.40	285.11	67.22	456.21	-8,681.40	481.72	-50.81	532.53	0.905	Level 1	
17,100.00	7,257.49	16,931.11	7,070.83	288.22	287.95	67.36	456.18	-8,781.34	484.99	-53.29	538.28	0.901	Level 1	
17,200.00	7,257.67	17,031.05	7,070.84	291.04	290.78	67.49	456.14	-8,881.28	488.26	-55.76	544.02	0.898	Level 1	
17,300.00	7,257.85	17,130.99	7,070.85	293.87	293.62	67.63	456.11	-8,981.22	491.54	-58.23	549.77	0.894	Level 1	
17,400.00	7,258.03	17,230.93	7,070.86	296.69	296.46	67.76	456.07	-9,081.16	494.82	-60.70	555.52	0.891	Level 1	
17,500.00	7,258.22	17,330.87	7,070.86	299.51	299.29	67.90	456.04	-9,181.10	498.10	-63.16	561.27	0.887	Level 1	
17,600.00	7,258.40	17,430.81	7,070.87	302.34	302.13	68.03	456.01	-9,281.04	501.39	-65.63	567.02	0.884	Level 1	
17,700.00	7,258.58	17,530.75	7,070.88	305.16	304.97	68.16	455.97	-9,380.98	504.68	-68.09	572.77	0.881	Level 1	
17,800.00	7,258.76	17,630.69	7,070.89	307.99	307.81	68.28	455.94	-9,480.92	507.97	-70.55	578.52	0.878	Level 1	
17,900.00	7,258.95	17,730.62	7,070.90	310.82	310.65	68.41	455.91	-9,580.86	511.26	-73.01	584.27	0.875	Level 1	
18,000.00	7,259.13	17,830.56	7,070.91	313.64	313.49	68.54	455.87	-9,680.80	514.55	-75.47	590.02	0.872	Level 1	
18,100.00	7,259.31	17,930.50	7,070.92	316.47	316.33	68.66	455.84	-9,780.74	517.85	-77.93	595.78	0.869	Level 1	
18,200.00	7,259.49	18,030.44	7,070.93	319.30	319.17	68.78	455.81	-9,880.68	521.15	-80.38	601.53	0.866	Level 1	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,300.00	7,259.68	18,130.38	7,070.94	322.12	322.01	68.90	455.77	-9,980.62	524.45	-82.83	607.28	0.864	Level 1	
18,400.00	7,259.86	18,230.32	7,070.94	324.95	324.85	69.02	455.74	-10,080.56	527.76	-85.28	613.04	0.861	Level 1	
18,500.00	7,260.04	18,330.26	7,070.95	327.78	327.69	69.13	455.70	-10,180.50	531.06	-87.73	618.79	0.858	Level 1	
18,600.00	7,260.22	18,430.20	7,070.96	330.61	330.54	69.25	455.67	-10,280.44	534.37	-90.18	624.55	0.856	Level 1	
18,700.00	7,260.41	18,530.14	7,070.97	333.44	333.38	69.36	455.64	-10,380.38	537.68	-92.62	630.31	0.853	Level 1	
18,800.00	7,260.59	18,630.08	7,070.98	336.27	336.22	69.48	455.60	-10,480.31	541.00	-95.07	636.06	0.851	Level 1	
18,900.00	7,260.77	18,730.02	7,070.99	339.10	339.06	69.59	455.57	-10,580.25	544.31	-97.51	641.82	0.848	Level 1	
19,000.00	7,260.95	18,829.96	7,071.00	341.93	341.90	69.70	455.54	-10,680.19	547.63	-99.95	647.58	0.846	Level 1	
19,025.91	7,261.00	18,855.86	7,071.00	342.66	342.64	69.72	455.53	-10,706.09	548.49	-100.58	649.07	0.845	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.29	-45.18	-0.56	45.18					
100.00	100.00	100.00	100.00	3.28	3.28	-179.29	-45.18	-0.56	45.18	38.61	6.57	6.878		
200.00	200.00	200.00	200.00	3.34	3.34	-179.29	-45.18	-0.56	45.18	38.51	6.67	6.770		
204.70	204.70	204.70	204.70	3.34	3.34	90.00	-45.18	-0.56	45.18	38.50	6.68	6.762 CC		
300.00	299.98	299.98	299.98	3.44	3.44	92.21	-45.18	-0.56	45.21	38.33	6.89	6.565		
400.00	399.84	399.35	399.33	3.60	3.60	96.67	-45.93	0.99	46.24	39.04	7.20	6.426		
500.00	499.45	498.78	498.62	3.81	3.79	100.96	-48.20	5.64	49.05	41.46	7.59	6.462		
600.00	598.70	598.24	597.70	4.05	4.03	104.69	-51.98	13.38	53.64	45.56	8.07	6.645		
700.00	697.47	697.69	696.42	4.34	4.30	107.66	-57.26	24.21	59.92	51.29	8.63	6.943		
800.00	795.62	797.11	794.62	4.66	4.60	109.87	-64.04	38.11	67.84	58.58	9.26	7.324		
849.22	843.68	846.02	842.72	4.84	4.77	110.70	-67.92	46.07	72.32	62.72	9.60	7.532		
900.00	893.16	896.48	892.18	5.02	4.94	111.19	-72.30	55.05	77.16	67.20	9.96	7.744		
1,000.00	990.60	1,004.07	989.24	5.41	5.35	110.63	-81.81	74.56	86.83	76.08	10.76	8.074		
1,100.00	1,088.05	1,095.46	1,086.29	5.83	5.71	109.99	-91.47	94.36	96.54	85.01	11.53	8.373		
1,200.00	1,185.49	1,205.02	1,183.34	6.26	6.18	109.46	-101.13	114.16	106.25	93.84	12.41	8.559		
1,300.00	1,282.93	1,305.50	1,280.40	6.70	6.61	109.03	-110.79	133.97	115.98	102.69	13.29	8.726		
1,400.00	1,380.37	1,394.02	1,377.45	7.15	7.01	108.66	-120.45	153.77	125.70	111.57	14.14	8.892		
1,500.00	1,477.82	1,506.45	1,474.50	7.62	7.53	108.34	-130.11	173.57	135.44	120.33	15.11	8.963		
1,600.00	1,575.26	1,606.93	1,571.56	8.09	8.00	108.07	-139.76	193.37	145.17	129.13	16.05	9.047		
1,700.00	1,672.70	1,707.41	1,668.61	8.57	8.47	107.83	-149.42	213.18	154.91	137.92	17.00	9.115		
1,800.00	1,770.15	1,807.88	1,765.66	9.05	8.96	107.62	-159.08	232.98	164.65	146.70	17.96	9.170		
1,900.00	1,867.59	1,908.36	1,862.72	9.54	9.45	107.43	-168.74	252.78	174.40	155.47	18.93	9.215		
2,000.00	1,965.03	2,008.84	1,959.77	10.03	9.94	107.27	-178.40	272.58	184.14	164.24	19.90	9.252		
2,100.00	2,062.48	2,109.32	2,056.82	10.53	10.43	107.12	-188.06	292.39	193.89	173.00	20.89	9.282		
2,200.00	2,159.92	2,209.79	2,153.88	11.03	10.93	106.98	-197.71	312.19	203.63	181.76	21.88	9.307		
2,300.00	2,257.36	2,289.73	2,250.93	11.53	11.33	106.86	-207.37	331.99	213.38	190.61	22.77	9.370		
2,400.00	2,354.81	2,389.25	2,347.98	12.03	11.83	106.74	-217.03	351.79	223.13	199.36	23.77	9.387		
2,500.00	2,452.25	2,488.77	2,445.04	12.54	12.33	106.64	-226.69	371.60	232.88	208.11	24.77	9.402		
2,600.00	2,549.69	2,588.30	2,542.09	13.04	12.84	106.55	-236.35	391.40	242.63	216.86	25.77	9.415		
2,700.00	2,647.13	2,687.82	2,639.14	13.55	13.34	106.46	-246.01	411.20	252.38	225.61	26.78	9.425		
2,800.00	2,744.58	2,787.34	2,736.20	14.06	13.85	106.38	-255.66	431.00	262.14	234.35	27.79	9.433		
2,900.00	2,842.02	2,886.87	2,833.25	14.57	14.35	106.30	-265.32	450.81	271.89	243.09	28.80	9.441		
3,000.00	2,939.46	2,986.39	2,930.30	15.09	14.86	106.23	-274.98	470.61	281.64	251.83	29.81	9.447		
3,100.00	3,036.91	3,085.91	3,027.36	15.60	15.37	106.17	-284.64	490.41	291.39	260.56	30.83	9.452		
3,200.00	3,134.35	3,185.43	3,124.41	16.11	15.88	106.11	-294.30	510.21	301.15	269.30	31.85	9.456		
3,300.00	3,231.79	3,284.96	3,221.46	16.63	16.40	106.05	-303.95	530.01	310.90	278.03	32.87	9.459		
3,400.00	3,329.24	3,384.48	3,318.52	17.14	16.91	105.99	-313.61	549.82	320.66	286.77	33.89	9.462		
3,500.00	3,426.68	3,484.00	3,415.57	17.66	17.42	105.94	-323.27	569.62	330.41	295.50	34.91	9.464		
3,600.00	3,524.12	3,583.52	3,512.62	18.18	17.94	105.90	-332.93	589.42	340.17	304.23	35.94	9.466		
3,700.00	3,621.57	3,683.05	3,609.68	18.69	18.45	105.85	-342.59	609.22	349.92	312.96	36.96	9.467		
3,800.00	3,719.01	3,782.57	3,706.73	19.21	18.97	105.81	-352.25	629.03	359.68	321.69	37.99	9.468		
3,900.00	3,816.45	3,882.09	3,803.78	19.73	19.48	105.77	-361.90	648.83	369.43	330.42	39.02	9.469		
4,000.00	3,913.90	3,981.61	3,900.84	20.25	20.00	105.73	-371.56	668.63	379.19	339.14	40.04	9.469		
4,100.00	4,011.34	4,081.14	3,997.89	20.77	20.51	105.69	-381.22	688.43	388.94	347.87	41.07	9.470		
4,200.00	4,108.78	4,180.66	4,094.94	21.29	21.03	105.66	-390.88	708.24	398.70	356.60	42.10	9.470		
4,300.00	4,206.22	4,280.18	4,192.00	21.81	21.55	105.63	-400.54	728.04	408.45	365.32	43.13	9.470		
4,400.00	4,303.67	4,379.71	4,289.05	22.33	22.07	105.59	-410.20	747.84	418.21	374.05	44.16	9.469		
4,500.00	4,401.11	4,479.23	4,386.10	22.85	22.58	105.56	-419.85	767.64	427.97	382.77	45.20	9.469		
4,600.00	4,498.55	4,578.75	4,483.16	23.37	23.10	105.54	-429.51	787.45	437.72	391.49	46.23	9.469		
4,700.00	4,596.00	4,678.27	4,580.21	23.89	23.62	105.51	-439.17	807.25	447.48	400.22	47.26	9.468		
4,800.00	4,693.44	4,777.80	4,677.26	24.41	24.14	105.48	-448.83	827.05	457.24	408.94	48.30	9.467		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,790.88	4,877.32	4,774.32	24.93	24.66	105.46	-458.49	846.85	466.99	417.66	49.33	9.467		
5,000.00	4,888.33	4,976.84	4,871.37	25.46	25.18	105.43	-468.15	866.66	476.75	426.38	50.36	9.466		
5,100.00	4,985.77	5,076.36	4,968.42	25.98	25.70	105.41	-477.80	886.46	486.51	435.11	51.40	9.465		
5,200.00	5,083.21	5,175.89	5,065.48	26.50	26.22	105.39	-487.46	906.26	496.26	443.83	52.43	9.464		
5,300.00	5,180.66	5,275.41	5,162.53	27.02	26.74	105.37	-497.12	926.06	506.02	452.55	53.47	9.464		
5,400.00	5,278.10	5,374.93	5,259.58	27.55	27.26	105.35	-506.78	945.86	515.78	461.27	54.51	9.463		
5,500.00	5,375.54	5,474.46	5,356.64	28.07	27.78	105.33	-516.44	965.67	525.53	469.99	55.54	9.462		
5,582.90	5,456.32	5,556.96	5,437.09	28.50	28.21	105.31	-524.44	982.08	533.62	477.22	56.40	9.461		
5,600.00	5,473.00	5,573.98	5,453.69	28.59	28.30	105.33	-526.09	985.47	535.28	478.70	56.58	9.461		
5,700.00	5,570.93	5,673.53	5,550.77	29.10	28.82	105.25	-535.76	1,005.28	544.42	486.83	57.60	9.452		
5,800.00	5,669.52	5,773.01	5,647.79	29.57	29.34	104.82	-545.41	1,025.07	552.69	494.10	58.58	9.434		
5,900.00	5,768.62	5,872.32	5,744.63	30.03	29.86	104.04	-555.05	1,044.83	560.16	500.63	59.53	9.409		
6,000.00	5,868.13	5,971.33	5,841.19	30.45	30.38	102.93	-564.66	1,064.53	567.00	506.55	60.45	9.379		
6,100.00	5,967.93	6,069.92	5,937.33	30.86	30.89	101.52	-574.22	1,084.15	573.40	512.07	61.34	9.348		
6,200.00	6,067.88	6,167.97	6,032.94	31.24	31.41	99.82	-583.74	1,103.66	579.62	517.44	62.18	9.322		
6,232.12	6,100.00	6,199.33	6,063.52	31.36	31.57	-170.07	-586.78	1,109.90	581.62	519.18	62.44	9.315		
6,300.00	6,167.88	6,265.52	6,128.08	31.61	31.92	-171.45	-593.21	1,123.07	586.06	523.08	62.98	9.306		
6,400.00	6,267.88	6,363.04	6,223.18	31.97	32.43	-173.45	-602.67	1,142.47	593.22	529.46	63.77	9.303		
6,500.00	6,367.88	6,460.56	6,318.27	32.34	32.94	-175.39	-612.13	1,161.88	601.12	536.57	64.55	9.313		
6,600.00	6,467.88	6,558.08	6,413.37	32.70	33.45	-177.29	-621.60	1,181.28	609.72	544.40	65.32	9.335		
6,700.00	6,567.88	6,655.23	6,508.25	33.07	33.96	-179.05	-631.04	1,199.83	619.00	552.92	66.08	9.368		
6,736.50	6,604.38	6,690.97	6,543.55	33.21	34.12	-179.46	-634.54	1,204.19	622.54	556.19	66.35	9.382		
6,750.00	6,617.88	6,704.29	6,556.76	33.25	34.18	-92.37	-635.85	1,205.31	623.87	557.42	66.45	9.388		
6,800.00	6,667.77	6,753.84	6,606.02	33.43	34.38	-92.35	-640.71	1,207.02	628.91	562.11	66.80	9.415		
6,850.00	6,717.28	6,803.74	6,655.63	33.60	34.55	-92.31	-645.60	1,204.84	634.13	566.99	67.14	9.445		
6,900.00	6,766.09	6,854.01	6,705.27	33.79	34.71	-92.25	-650.47	1,198.71	639.50	572.01	67.49	9.475		
6,950.00	6,813.90	6,904.66	6,754.65	33.99	34.87	-92.18	-655.30	1,188.57	644.98	577.12	67.86	9.505		
7,000.00	6,860.42	6,955.70	6,803.44	34.20	35.04	-92.10	-660.06	1,174.39	650.54	582.29	68.25	9.531		
7,050.00	6,905.36	7,007.14	6,851.30	34.42	35.22	-92.00	-664.71	1,156.19	656.14	587.46	68.68	9.554		
7,100.00	6,948.45	7,058.98	6,897.91	34.67	35.41	-91.89	-669.22	1,133.97	661.74	592.60	69.14	9.571		
7,150.00	6,989.41	7,111.23	6,942.91	34.94	35.62	-91.76	-673.55	1,107.79	667.31	597.66	69.65	9.581		
7,200.00	7,028.00	7,163.89	6,985.94	35.24	35.85	-91.63	-677.68	1,077.76	672.80	602.60	70.20	9.583		
7,250.00	7,063.98	7,216.94	7,026.65	35.56	36.11	-91.48	-681.55	1,043.99	678.18	607.36	70.82	9.576		
7,300.00	7,097.13	7,270.39	7,064.70	35.92	36.40	-91.32	-685.16	1,006.65	683.42	611.92	71.50	9.558		
7,350.00	7,127.23	7,324.21	7,099.72	36.32	36.73	-91.16	-688.45	965.94	688.47	616.21	72.26	9.527		
7,400.00	7,154.12	7,378.39	7,131.40	36.75	37.10	-90.98	-691.39	922.11	693.30	620.20	73.11	9.484		
7,450.00	7,177.61	7,432.90	7,159.42	37.22	37.51	-90.80	-693.97	875.43	697.88	623.84	74.04	9.426		
7,500.00	7,197.57	7,487.72	7,183.49	37.73	37.97	-90.61	-696.14	826.24	702.16	627.10	75.06	9.355		
7,550.00	7,213.88	7,542.82	7,203.34	38.28	38.48	-90.42	-697.89	774.90	706.13	629.96	76.18	9.270		
7,600.00	7,226.42	7,598.14	7,218.77	38.87	39.04	-90.23	-699.19	721.80	709.75	632.37	77.38	9.172		
7,650.00	7,235.13	7,653.66	7,229.57	39.48	39.65	-90.03	-700.04	667.37	713.00	634.34	78.66	9.064		
7,700.00	7,239.95	7,709.32	7,235.63	40.12	40.29	-89.83	-700.41	612.06	715.85	635.85	80.01	8.947		
7,735.44	7,241.00	7,748.83	7,237.00	40.59	40.76	-89.68	-700.38	572.58	717.62	636.64	80.99	8.861		
7,800.00	7,241.11	7,813.45	7,237.12	41.47	41.59	-89.69	-700.13	507.96	720.65	637.91	82.73	8.710		
7,900.00	7,241.27	7,913.34	7,237.30	42.96	42.99	-89.69	-699.74	408.07	725.32	639.65	85.67	8.466		
8,000.00	7,241.44	8,013.23	7,237.49	44.59	44.53	-89.69	-699.35	308.18	730.00	641.12	88.88	8.213		
8,100.00	7,241.61	8,113.12	7,237.68	46.34	46.21	-89.70	-698.96	208.29	734.68	642.35	92.34	7.957		
8,200.00	7,241.77	8,213.01	7,237.86	48.20	48.00	-89.70	-698.57	108.40	739.36	643.36	96.01	7.701		
8,300.00	7,241.94	8,312.90	7,238.05	50.16	49.89	-89.70	-698.18	8.51	744.04	644.17	99.87	7.450		
8,400.00	7,242.11	8,412.79	7,238.23	52.20	51.87	-89.71	-697.79	-91.38	748.72	644.81	103.91	7.205		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,242.27	8,512.68	7,238.42	54.31	53.93	-89.71	-697.40	-191.27	753.40	645.30	108.10	6.969		
8,600.00	7,242.44	8,612.57	7,238.61	56.49	56.07	-89.71	-697.01	-291.16	758.08	645.66	112.43	6.743		
8,700.00	7,242.60	8,712.46	7,238.79	58.73	58.27	-89.72	-696.62	-391.05	762.76	645.89	116.88	6.526		
8,800.00	7,242.77	8,812.35	7,238.98	61.03	60.52	-89.72	-696.23	-490.94	767.44	646.01	121.43	6.320		
8,900.00	7,242.94	8,912.25	7,239.17	63.37	62.82	-89.72	-695.84	-590.83	772.12	646.04	126.08	6.124		
9,000.00	7,243.10	9,012.14	7,239.35	65.75	65.17	-89.73	-695.45	-690.72	776.80	645.99	130.82	5.938		
9,100.00	7,243.27	9,112.03	7,239.54	68.18	67.56	-89.73	-695.06	-790.60	781.48	645.85	135.63	5.762		
9,200.00	7,243.44	9,211.92	7,239.72	70.63	69.99	-89.73	-694.67	-890.49	786.16	645.65	140.51	5.595		
9,300.00	7,243.60	9,311.81	7,239.91	73.12	72.44	-89.74	-694.28	-990.38	790.84	645.39	145.45	5.437		
9,400.00	7,243.77	9,411.70	7,240.10	75.63	74.93	-89.74	-693.89	-1,090.27	795.52	645.07	150.45	5.288		
9,500.00	7,243.94	9,511.59	7,240.28	78.17	77.44	-89.74	-693.50	-1,190.16	800.20	644.70	155.50	5.146		
9,600.00	7,244.10	9,611.48	7,240.47	80.73	79.97	-89.75	-693.11	-1,290.05	804.88	644.29	160.60	5.012		
9,700.00	7,244.27	9,711.37	7,240.65	83.31	82.53	-89.75	-692.72	-1,389.94	809.56	643.83	165.73	4.885		
9,800.00	7,244.44	9,811.26	7,240.84	85.91	85.10	-89.75	-692.33	-1,489.83	814.24	643.34	170.91	4.764		
9,900.00	7,244.60	9,911.15	7,241.03	88.53	87.69	-89.75	-691.94	-1,589.72	818.92	642.81	176.11	4.650		
10,000.00	7,244.77	10,011.04	7,241.21	91.16	90.30	-89.76	-691.55	-1,689.61	823.60	642.25	181.35	4.541		
10,100.00	7,244.94	10,110.93	7,241.40	93.81	92.93	-89.76	-691.16	-1,789.50	828.28	641.66	186.62	4.438		
10,200.00	7,245.10	10,210.82	7,241.58	96.46	95.56	-89.76	-690.76	-1,889.39	832.96	641.05	191.92	4.340		
10,300.00	7,245.27	10,310.71	7,241.77	99.14	98.21	-89.76	-690.37	-1,989.28	837.64	640.41	197.23	4.247		
10,400.00	7,245.43	10,410.60	7,241.96	101.82	100.87	-89.77	-689.98	-2,089.17	842.32	639.75	202.58	4.158		
10,500.00	7,245.60	10,510.49	7,242.14	104.51	103.55	-89.77	-689.59	-2,189.06	847.00	639.06	207.94	4.073		
10,600.00	7,245.77	10,610.38	7,242.33	107.21	106.23	-89.77	-689.20	-2,288.95	851.68	638.36	213.32	3.993		
10,700.00	7,245.93	10,710.27	7,242.52	109.92	108.92	-89.78	-688.81	-2,388.84	856.36	637.64	218.72	3.915		
10,800.00	7,246.10	10,810.16	7,242.70	112.64	111.62	-89.78	-688.42	-2,488.73	861.04	636.91	224.13	3.842		
10,900.00	7,246.27	10,910.05	7,242.89	115.37	114.32	-89.78	-688.03	-2,588.62	865.72	636.16	229.56	3.771		
11,000.00	7,246.43	11,009.94	7,243.07	118.10	117.04	-89.78	-687.64	-2,688.51	870.40	635.40	235.00	3.704		
11,100.00	7,246.60	11,109.83	7,243.26	120.84	119.76	-89.79	-687.25	-2,788.39	875.08	634.62	240.46	3.639		
11,200.00	7,246.77	11,209.73	7,243.45	123.58	122.48	-89.79	-686.86	-2,888.28	879.76	633.83	245.93	3.577		
11,300.00	7,246.93	11,309.62	7,243.63	126.34	125.22	-89.79	-686.47	-2,988.17	884.44	633.03	251.41	3.518		
11,340.34	7,247.00	11,349.91	7,243.71	127.45	126.32	-89.79	-686.31	-3,028.47	886.33	632.70	253.63	3.495		
11,400.00	7,247.10	11,409.53	7,243.82	129.09	127.95	-89.79	-686.08	-3,088.09	888.50	631.60	256.90	3.458		
11,500.00	7,247.27	11,509.52	7,244.00	131.84	130.70	-89.79	-685.69	-3,188.08	889.35	626.95	262.40	3.389		
11,586.15	7,247.43	11,604.36	7,244.16	134.20	133.31	-89.78	-685.35	-3,274.20	887.29	619.92	267.37	3.319		
11,600.00	7,247.45	11,609.48	7,244.19	134.57	133.45	-89.78	-685.30	-3,288.04	886.75	618.86	267.89	3.310		
11,700.00	7,247.64	11,709.41	7,244.38	137.31	136.20	-89.78	-684.91	-3,387.96	882.85	609.46	273.39	3.229		
11,800.00	7,247.82	11,809.33	7,244.56	140.05	138.96	-89.78	-684.52	-3,487.88	878.95	600.06	278.89	3.152		
11,900.00	7,248.00	11,909.26	7,244.75	142.79	141.72	-89.78	-684.13	-3,587.81	875.06	590.66	284.40	3.077		
12,000.00	7,248.18	12,009.18	7,244.93	145.53	144.49	-89.78	-683.74	-3,687.73	871.16	581.24	289.92	3.005		
12,100.00	7,248.37	12,109.10	7,245.12	148.28	147.26	-89.78	-683.35	-3,787.65	867.26	571.82	295.45	2.935		
12,200.00	7,248.55	12,209.03	7,245.31	151.04	150.03	-89.78	-682.96	-3,887.58	863.36	562.39	300.98	2.869		
12,300.00	7,248.73	12,308.95	7,245.49	153.80	152.81	-89.78	-682.57	-3,987.50	859.47	552.95	306.52	2.804		
12,400.00	7,248.91	12,408.88	7,245.68	156.56	155.59	-89.78	-682.18	-4,087.42	855.57	543.51	312.06	2.742		
12,500.00	7,249.10	12,508.80	7,245.87	159.32	158.37	-89.78	-681.79	-4,187.35	851.67	534.06	317.61	2.681		
12,600.00	7,249.28	12,608.72	7,246.05	162.09	161.15	-89.78	-681.40	-4,287.27	847.77	524.61	323.17	2.623		
12,700.00	7,249.46	12,708.65	7,246.24	164.86	163.94	-89.78	-681.01	-4,387.19	843.88	515.15	328.73	2.567		
12,800.00	7,249.64	12,808.57	7,246.42	167.63	166.73	-89.78	-680.62	-4,487.12	839.98	505.69	334.29	2.513		
12,900.00	7,249.83	12,908.50	7,246.61	170.40	169.52	-89.78	-680.23	-4,587.04	836.08	496.22	339.86	2.460		
13,000.00	7,250.01	13,008.42	7,246.80	173.18	172.31	-89.77	-679.84	-4,686.96	832.18	486.75	345.44	2.409		
13,100.00	7,250.19	13,108.34	7,246.98	175.96	175.11	-89.77	-679.44	-4,786.89	828.29	477.27	351.02	2.360		
13,200.00	7,250.37	13,208.27	7,247.17	178.74	177.91	-89.77	-679.05	-4,886.81	824.39	467.79	356.60	2.312		
13,300.00	7,250.56	13,308.19	7,247.35	181.52	180.71	-89.77	-678.66	-4,986.73	820.49	458.31	362.19	2.265		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
13,400.00	7,250.74	13,408.12	7,247.54	184.31	183.51	-89.77	-678.27	-5,086.65	816.59	448.82	367.78	2.220		
13,500.00	7,250.92	13,508.04	7,247.73	187.09	186.31	-89.77	-677.88	-5,186.58	812.70	439.33	373.37	2.177		
13,600.00	7,251.10	13,607.96	7,247.91	189.88	189.12	-89.77	-677.49	-5,286.50	808.80	429.83	378.97	2.134		
13,700.00	7,251.29	13,707.89	7,248.10	192.67	191.93	-89.77	-677.10	-5,386.42	804.90	420.34	384.57	2.093		
13,800.00	7,251.47	13,807.81	7,248.29	195.47	194.73	-89.77	-676.71	-5,486.35	801.00	410.84	390.17	2.053		
13,900.00	7,251.65	13,907.74	7,248.47	198.26	197.54	-89.77	-676.32	-5,586.27	797.11	401.33	395.77	2.014		
14,000.00	7,251.83	14,007.66	7,248.66	201.05	200.36	-89.77	-675.93	-5,686.19	793.21	391.83	401.38	1.976		
14,100.00	7,252.01	14,107.58	7,248.84	203.85	203.17	-89.77	-675.54	-5,786.12	789.31	382.32	406.99	1.939		
14,200.00	7,252.20	14,207.51	7,249.03	206.65	205.98	-89.76	-675.15	-5,886.04	785.41	372.81	412.61	1.904		
14,300.00	7,252.38	14,307.43	7,249.22	209.45	208.80	-89.76	-674.76	-5,985.96	781.52	363.29	418.23	1.869		
14,400.00	7,252.56	14,407.36	7,249.40	212.25	211.61	-89.76	-674.37	-6,085.89	777.62	353.78	423.84	1.835		
14,500.00	7,252.74	14,507.28	7,249.59	215.05	214.43	-89.76	-673.98	-6,185.81	773.72	344.26	429.46	1.802		
14,600.00	7,252.93	14,607.20	7,249.77	217.86	217.25	-89.76	-673.59	-6,285.73	769.82	334.74	435.09	1.769		
14,700.00	7,253.11	14,707.13	7,249.96	220.66	220.07	-89.76	-673.20	-6,385.65	765.93	325.21	440.71	1.738		
14,800.00	7,253.29	14,807.05	7,250.15	223.47	222.89	-89.76	-672.81	-6,485.58	762.03	315.69	446.34	1.707		
14,900.00	7,253.47	14,906.98	7,250.33	226.27	225.71	-89.76	-672.42	-6,585.50	758.13	306.16	451.97	1.677		
15,000.00	7,253.66	15,006.90	7,250.52	229.08	228.53	-89.76	-672.03	-6,685.42	754.23	296.63	457.60	1.648		
15,100.00	7,253.84	15,106.82	7,250.71	231.89	231.36	-89.76	-671.64	-6,785.35	750.34	287.10	463.23	1.620		
15,200.00	7,254.02	15,206.75	7,250.89	234.70	234.18	-89.76	-671.25	-6,885.27	746.44	277.57	468.87	1.592		
15,300.00	7,254.20	15,306.67	7,251.08	237.51	237.01	-89.75	-670.86	-6,985.19	742.54	268.04	474.50	1.565		
15,400.00	7,254.39	15,406.60	7,251.26	240.32	239.83	-89.75	-670.47	-7,085.12	738.64	258.50	480.14	1.538		
15,500.00	7,254.57	15,506.52	7,251.45	243.13	242.66	-89.75	-670.08	-7,185.04	734.75	248.96	485.78	1.513		
15,600.00	7,254.75	15,606.44	7,251.64	245.94	245.49	-89.75	-669.69	-7,284.96	730.85	239.43	491.42	1.487	Level 3	
15,700.00	7,254.93	15,706.37	7,251.82	248.76	248.31	-89.75	-669.29	-7,384.89	726.95	229.89	497.07	1.462	Level 3	
15,800.00	7,255.12	15,806.29	7,252.01	251.57	251.14	-89.75	-668.90	-7,484.81	723.05	220.34	502.71	1.438	Level 3	
15,900.00	7,255.30	15,906.22	7,252.19	254.39	253.97	-89.75	-668.51	-7,584.73	719.16	210.80	508.35	1.415	Level 3	
16,000.00	7,255.48	16,006.14	7,252.38	257.20	256.80	-89.75	-668.12	-7,684.65	715.26	201.26	514.00	1.392	Level 3	
16,100.00	7,255.66	16,106.06	7,252.57	260.02	259.63	-89.75	-667.73	-7,784.58	711.36	191.71	519.65	1.369	Level 3	
16,200.00	7,255.85	16,205.99	7,252.75	262.84	262.47	-89.75	-667.34	-7,884.50	707.46	182.17	525.30	1.347	Level 3	
16,300.00	7,256.03	16,305.91	7,252.94	265.65	265.30	-89.74	-666.95	-7,984.42	703.57	172.62	530.95	1.325	Level 3	
16,400.00	7,256.21	16,405.84	7,253.13	268.47	268.13	-89.74	-666.56	-8,084.35	699.67	163.07	536.60	1.304	Level 3	
16,500.00	7,256.39	16,505.76	7,253.31	271.29	270.96	-89.74	-666.17	-8,184.27	695.77	153.52	542.25	1.283	Level 3	
16,600.00	7,256.58	16,605.68	7,253.50	274.11	273.80	-89.74	-665.78	-8,284.19	691.87	143.97	547.90	1.263	Level 3	
16,700.00	7,256.76	16,705.61	7,253.68	276.93	276.63	-89.74	-665.39	-8,384.12	687.98	134.42	553.56	1.243	Level 2	
16,800.00	7,256.94	16,805.53	7,253.87	279.75	279.47	-89.74	-665.00	-8,484.04	684.08	124.86	559.21	1.223	Level 2	
16,900.00	7,257.12	16,905.46	7,254.06	282.57	282.30	-89.74	-664.61	-8,583.96	680.18	115.31	564.87	1.204	Level 2	
17,000.00	7,257.30	17,005.38	7,254.24	285.40	285.14	-89.74	-664.22	-8,683.89	676.28	105.76	570.53	1.185	Level 2	
17,100.00	7,257.49	17,105.30	7,254.43	288.22	287.97	-89.74	-663.83	-8,783.81	672.39	96.20	576.19	1.167	Level 2	
17,200.00	7,257.67	17,205.23	7,254.61	291.04	290.81	-89.73	-663.44	-8,883.73	668.49	86.64	581.85	1.149	Level 2	
17,300.00	7,257.85	17,305.15	7,254.80	293.87	293.65	-89.73	-663.05	-8,983.65	664.59	77.08	587.51	1.131	Level 2	
17,400.00	7,258.03	17,405.08	7,254.99	296.69	296.48	-89.73	-662.66	-9,083.58	660.69	67.53	593.17	1.114	Level 2	
17,500.00	7,258.22	17,505.00	7,255.17	299.51	299.32	-89.73	-662.27	-9,183.50	656.80	57.97	598.83	1.097	Level 2	
17,600.00	7,258.40	17,604.92	7,255.36	302.34	302.16	-89.73	-661.88	-9,283.42	652.90	48.41	604.49	1.080	Level 2	
17,700.00	7,258.58	17,704.85	7,255.55	305.16	305.00	-89.73	-661.49	-9,383.35	649.00	38.85	610.15	1.064	Level 2	
17,800.00	7,258.76	17,804.77	7,255.73	307.99	307.84	-89.73	-661.10	-9,483.27	645.10	29.28	615.82	1.048	Level 2	
17,900.00	7,258.95	17,904.70	7,255.92	310.82	310.68	-89.73	-660.71	-9,583.19	641.21	19.72	621.48	1.032	Level 2	
18,000.00	7,259.13	18,004.62	7,256.10	313.64	313.52	-89.72	-660.32	-9,683.12	637.31	10.16	627.15	1.016	Level 2	
18,100.00	7,259.31	18,104.54	7,256.29	316.47	316.36	-89.72	-659.93	-9,783.04	633.41	0.60	632.82	1.001	Level 2	
18,200.00	7,259.49	18,204.47	7,256.48	319.30	319.20	-89.72	-659.54	-9,882.96	629.51	-8.97	638.48	0.986	Level 1	
18,300.00	7,259.68	18,304.39	7,256.66	322.12	322.04	-89.72	-659.14	-9,982.89	625.62	-18.53	644.15	0.971	Level 1	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
18,400.00	7,259.86	18,404.32	7,256.85	324.95	324.88	-89.72	-658.75	-10,082.81	621.72	-28.10	649.82	0.957	Level 1	
18,500.00	7,260.04	18,504.24	7,257.03	327.78	327.72	-89.72	-658.36	-10,182.73	617.82	-37.67	655.49	0.943	Level 1	
18,600.00	7,260.22	18,604.16	7,257.22	330.61	330.56	-89.72	-657.97	-10,282.65	613.92	-47.23	661.16	0.929	Level 1	
18,700.00	7,260.41	18,704.09	7,257.41	333.44	333.40	-89.71	-657.58	-10,382.58	610.03	-56.80	666.83	0.915	Level 1	
18,800.00	7,260.59	18,804.01	7,257.59	336.27	336.25	-89.71	-657.19	-10,482.50	606.13	-66.37	672.50	0.901	Level 1	
18,900.00	7,260.77	18,903.94	7,257.78	339.10	339.09	-89.71	-656.80	-10,582.42	602.23	-75.94	678.17	0.888	Level 1	
19,000.00	7,260.95	19,003.86	7,257.97	341.93	341.93	-89.71	-656.41	-10,682.35	598.33	-85.51	683.84	0.875	Level 1	
19,025.91	7,261.00	19,022.43	7,258.00	342.66	342.46	-89.71	-656.34	-10,700.91	597.37	-87.70	685.07	0.872	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9A-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-30.24	-0.28	30.24					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-30.24	-0.28	30.24	23.67	6.57	4.603		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-30.24	-0.28	30.24	23.56	6.67	4.531 CC		
300.00	299.98	299.83	299.81	3.44	3.44	89.86	-30.54	1.43	30.52	23.64	6.88	4.433		
400.00	399.84	399.65	399.49	3.60	3.60	89.99	-31.44	6.57	31.36	24.17	7.19	4.360		
500.00	499.45	499.46	498.91	3.81	3.80	90.19	-32.95	15.12	32.77	25.17	7.60	4.313		
600.00	598.70	599.26	597.97	4.05	4.05	90.44	-35.06	27.08	34.73	26.64	8.09	4.294		
700.00	697.47	699.04	696.52	4.34	4.33	90.71	-37.77	42.42	37.25	28.59	8.66	4.301		
800.00	795.62	808.21	794.44	4.66	4.69	91.01	-41.06	61.12	40.33	30.99	9.34	4.317		
849.22	843.68	847.98	842.54	4.84	4.83	91.61	-42.85	71.25	42.00	32.35	9.66	4.349		
900.00	893.16	898.72	892.16	5.02	5.02	92.78	-44.69	81.70	43.75	33.72	10.03	4.362		
1,000.00	990.60	1,001.36	989.88	5.41	5.41	94.84	-48.32	102.28	47.25	36.43	10.82	4.367		
1,100.00	1,088.05	1,101.43	1,087.59	5.83	5.82	96.62	-51.95	122.86	50.79	39.15	11.64	4.364		
1,200.00	1,185.49	1,201.50	1,185.31	6.26	6.24	98.16	-55.58	143.43	54.38	41.89	12.49	4.353		
1,300.00	1,282.93	1,301.58	1,283.03	6.70	6.68	99.50	-59.21	164.01	58.00	44.63	13.37	4.337		
1,400.00	1,380.37	1,401.65	1,380.74	7.15	7.12	100.69	-62.83	184.59	61.65	47.38	14.28	4.319		
1,500.00	1,477.82	1,501.73	1,478.46	7.62	7.58	101.75	-66.46	205.17	65.33	50.13	15.20	4.299		
1,600.00	1,575.26	1,601.80	1,576.18	8.09	8.04	102.69	-70.09	225.74	69.02	52.89	16.13	4.279		
1,700.00	1,672.70	1,698.12	1,673.89	8.57	8.49	103.54	-73.72	246.32	72.73	55.67	17.06	4.263		
1,800.00	1,770.15	1,801.95	1,771.61	9.05	8.99	104.31	-77.35	266.90	76.46	58.42	18.04	4.239		
1,900.00	1,867.59	1,902.02	1,869.33	9.54	9.46	105.00	-80.98	287.48	80.19	61.19	19.00	4.220		
2,000.00	1,965.03	2,002.10	1,967.04	10.03	9.95	105.63	-84.60	308.05	83.94	63.97	19.97	4.203		
2,100.00	2,062.48	2,102.17	2,064.76	10.53	10.43	106.21	-88.23	328.63	87.70	66.75	20.95	4.185		
2,200.00	2,159.92	2,202.25	2,162.48	11.03	10.92	106.74	-91.86	349.21	91.46	69.53	21.94	4.169		
2,300.00	2,257.36	2,302.32	2,260.19	11.53	11.41	107.23	-95.49	369.79	95.24	72.31	22.93	4.154		
2,400.00	2,354.81	2,402.40	2,357.91	12.03	11.90	107.68	-99.12	390.37	99.02	75.10	23.92	4.140		
2,500.00	2,452.25	2,502.47	2,455.63	12.54	12.40	108.10	-102.75	410.94	102.80	77.89	24.92	4.126		
2,600.00	2,549.69	2,597.45	2,553.34	13.04	12.87	108.49	-106.38	431.52	106.59	80.70	25.89	4.117		
2,700.00	2,647.13	2,702.62	2,651.06	13.55	13.39	108.85	-110.00	452.10	110.39	83.47	26.92	4.101		
2,800.00	2,744.58	2,802.69	2,748.77	14.06	13.89	109.19	-113.63	472.68	114.18	86.26	27.92	4.089		
2,900.00	2,842.02	2,902.77	2,846.49	14.57	14.39	109.50	-117.26	493.25	117.99	89.06	28.93	4.078		
3,000.00	2,939.46	3,002.84	2,944.21	15.09	14.89	109.80	-120.89	513.83	121.79	91.85	29.94	4.068		
3,100.00	3,036.91	3,102.92	3,041.92	15.60	15.40	110.08	-124.52	534.41	125.60	94.65	30.95	4.058		
3,200.00	3,134.35	3,202.99	3,139.64	16.11	15.90	110.34	-128.15	554.99	129.41	97.45	31.96	4.049		
3,300.00	3,231.79	3,303.07	3,237.36	16.63	16.40	110.58	-131.77	575.56	133.23	100.25	32.98	4.040		
3,400.00	3,329.24	3,403.14	3,335.07	17.14	16.91	110.82	-135.40	596.14	137.04	103.05	33.99	4.032		
3,500.00	3,426.68	3,503.21	3,432.79	17.66	17.41	111.04	-139.03	616.72	140.86	105.85	35.01	4.024		
3,600.00	3,524.12	3,603.29	3,530.51	18.18	17.92	111.25	-142.66	637.30	144.68	108.66	36.03	4.016		
3,700.00	3,621.57	3,703.36	3,628.22	18.69	18.43	111.45	-146.29	657.88	148.50	111.46	37.04	4.009		
3,800.00	3,719.01	3,803.44	3,725.94	19.21	18.93	111.63	-149.92	678.45	152.33	114.27	38.06	4.002		
3,900.00	3,816.45	3,903.51	3,823.66	19.73	19.44	111.81	-153.54	699.03	156.15	117.07	39.08	3.995		
4,000.00	3,913.90	4,003.59	3,921.37	20.25	19.95	111.98	-157.17	719.61	159.98	119.88	40.10	3.989		
4,100.00	4,011.34	4,103.66	4,019.09	20.77	20.46	112.14	-160.80	740.19	163.81	122.68	41.13	3.983		
4,200.00	4,108.78	4,203.74	4,116.81	21.29	20.97	112.30	-164.43	760.76	167.64	125.49	42.15	3.977		
4,300.00	4,206.22	4,303.81	4,214.52	21.81	21.48	112.45	-168.06	781.34	171.47	128.30	43.17	3.972		
4,400.00	4,303.67	4,403.88	4,312.24	22.33	21.99	112.59	-171.69	801.92	175.30	131.11	44.19	3.967		
4,500.00	4,401.11	4,503.96	4,409.96	22.85	22.50	112.72	-175.31	822.50	179.13	133.92	45.22	3.962		
4,600.00	4,498.55	4,604.03	4,507.67	23.37	23.01	112.85	-178.94	843.07	182.97	136.72	46.24	3.957		
4,700.00	4,596.00	4,704.11	4,605.39	23.89	23.52	112.98	-182.57	863.65	186.80	139.53	47.27	3.952		
4,800.00	4,693.44	4,804.18	4,703.11	24.41	24.03	113.10	-186.20	884.23	190.64	142.34	48.29	3.948		
4,900.00	4,790.88	4,895.74	4,800.82	24.93	24.49	113.21	-189.83	904.81	194.47	145.20	49.27	3.947		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33N-9A-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	5,004.33	4,898.54	25.46	25.05	113.32	-193.46	925.38	198.31	147.97	50.34	3.939		
5,100.00	4,985.77	5,104.40	4,996.26	25.98	25.56	113.43	-197.09	945.96	202.15	150.78	51.37	3.935		
5,200.00	5,083.21	5,204.48	5,093.97	26.50	26.07	113.53	-200.71	966.54	205.99	153.59	52.40	3.931		
5,300.00	5,180.66	5,304.55	5,191.69	27.02	26.58	113.63	-204.34	987.12	209.83	156.40	53.42	3.927		
5,400.00	5,278.10	5,404.63	5,289.41	27.55	27.09	113.73	-207.97	1,007.70	213.67	159.21	54.45	3.924		
5,500.00	5,375.54	5,495.30	5,387.12	28.07	27.56	113.82	-211.60	1,028.27	217.51	162.07	55.43	3.924		
5,582.90	5,456.32	5,578.13	5,468.13	28.50	27.98	113.89	-214.61	1,045.33	220.69	164.41	56.28	3.921		
5,600.00	5,473.00	5,604.78	5,484.84	28.59	28.12	113.90	-215.23	1,048.85	221.33	164.82	56.51	3.917		
5,700.00	5,570.93	5,695.16	5,582.57	29.10	28.58	113.50	-218.86	1,069.43	224.23	166.74	57.49	3.901		
5,800.00	5,669.52	5,804.98	5,680.22	29.57	29.14	112.26	-222.48	1,089.99	225.80	167.24	58.56	3.856		
5,900.00	5,768.62	5,905.32	5,777.68	30.03	29.66	110.21	-226.10	1,110.52	226.24	166.67	59.57	3.798		
6,000.00	5,868.13	5,994.02	5,874.82	30.45	30.11	107.33	-229.71	1,130.97	225.93	165.42	60.50	3.734		
6,100.00	5,967.93	6,107.08	5,971.53	30.86	30.69	103.61	-233.30	1,151.34	225.34	163.82	61.52	3.663		
6,176.16	6,044.05	6,167.87	6,044.83	31.15	31.00	100.22	-236.02	1,166.78	225.11	162.99	62.12	3.624		
6,200.00	6,067.88	6,208.75	6,067.69	31.24	31.21	99.06	-236.87	1,171.59	225.14	162.73	62.41	3.607		
6,232.12	6,100.00	6,222.70	6,098.44	31.36	31.28	-171.85	-238.01	1,178.07	225.29	162.71	62.58	3.600		
6,300.00	6,167.88	6,289.08	6,163.36	31.61	31.62	-175.37	-240.42	1,191.74	226.21	163.10	63.10	3.585		
6,400.00	6,267.88	6,386.46	6,259.55	31.97	32.08	-178.96	-244.02	1,205.84	229.21	165.40	63.81	3.592		
6,500.00	6,367.88	6,485.64	6,358.56	32.34	32.43	-178.78	-247.77	1,205.04	233.01	168.48	64.53	3.611		
6,600.00	6,467.88	6,582.24	6,453.74	32.70	32.76	-175.04	-251.44	1,189.49	237.74	172.50	65.25	3.644		
6,700.00	6,567.88	6,672.27	6,539.38	33.07	33.10	-168.72	-254.78	1,162.19	246.16	180.59	65.57	3.754		
6,736.50	6,604.38	6,702.95	6,567.57	33.21	33.22	-166.05	-255.89	1,150.15	250.93	185.48	65.45	3.834		
6,750.00	6,617.88	6,714.03	6,577.60	33.25	33.27	-77.78	-256.29	1,145.47	252.97	187.61	65.36	3.870		
6,800.00	6,667.77	6,754.48	6,613.52	33.43	33.45	-73.60	-257.72	1,126.92	261.39	196.52	64.86	4.030		
6,850.00	6,717.28	6,794.11	6,647.48	33.60	33.63	-69.74	-259.08	1,106.57	270.95	206.82	64.13	4.225		
6,900.00	6,766.09	6,833.00	6,679.53	33.79	33.83	-66.20	-260.38	1,084.58	281.35	218.14	63.21	4.451		
6,950.00	6,813.90	6,871.24	6,709.67	33.99	34.03	-62.98	-261.60	1,061.09	292.32	230.17	62.14	4.704		
7,000.00	6,860.42	6,908.90	6,737.92	34.20	34.25	-60.09	-262.77	1,036.23	303.60	242.61	60.99	4.978		
7,050.00	6,905.36	6,946.04	6,764.30	34.42	34.48	-57.49	-263.86	1,010.11	314.99	255.20	59.79	5.268		
7,100.00	6,948.45	6,982.72	6,788.82	34.67	34.73	-55.19	-264.89	982.84	326.29	267.69	58.60	5.568		
7,150.00	6,989.41	7,019.01	6,811.48	34.94	35.00	-53.15	-265.85	954.53	337.35	279.90	57.45	5.872		
7,200.00	7,028.00	7,054.93	6,832.30	35.24	35.28	-51.37	-266.75	925.27	348.03	291.65	56.38	6.173		
7,250.00	7,063.98	7,090.55	6,851.27	35.56	35.58	-49.81	-267.58	895.15	358.22	302.77	55.44	6.461		
7,300.00	7,097.13	7,125.89	6,868.41	35.92	35.89	-48.46	-268.34	864.26	367.82	313.16	54.66	6.729		
7,350.00	7,127.23	7,160.99	6,883.71	36.32	36.23	-47.31	-269.04	832.68	376.75	322.68	54.07	6.968		
7,400.00	7,154.12	7,195.90	6,897.18	36.75	36.57	-46.35	-269.66	800.49	384.94	331.25	53.69	7.170		
7,450.00	7,177.61	7,230.63	6,908.81	37.22	36.95	-45.55	-270.22	767.77	392.33	338.79	53.54	7.328		
7,500.00	7,197.57	7,265.22	6,918.60	37.73	37.33	-44.91	-270.72	734.60	398.89	345.25	53.64	7.436		
7,550.00	7,213.88	7,300.00	6,926.62	38.28	37.73	-44.42	-271.14	700.76	404.56	350.56	54.00	7.492		
7,600.00	7,226.42	7,334.11	6,932.68	38.87	38.14	-44.08	-271.50	667.21	409.32	354.72	54.60	7.497		
7,650.00	7,235.13	7,368.45	6,936.95	39.48	38.57	-43.87	-271.78	633.14	413.16	357.71	55.45	7.451		
7,700.00	7,239.95	7,402.76	6,939.39	40.12	39.00	-43.80	-272.00	598.92	416.04	359.51	56.53	7.359		
7,735.44	7,241.00	7,432.10	6,939.99	40.59	39.38	-43.83	-272.11	575.54	417.51	360.01	57.50	7.261		
7,800.00	7,241.11	7,509.39	6,940.16	41.47	40.45	-44.18	-272.35	511.08	419.91	360.58	59.33	7.077		
7,900.00	7,241.27	7,609.54	6,940.43	42.96	41.96	-44.72	-272.72	411.23	423.66	361.50	62.16	6.816		
8,000.00	7,241.44	7,709.69	6,940.70	44.59	43.60	-45.25	-273.10	311.38	427.44	362.24	65.20	6.556		
8,100.00	7,241.61	7,809.84	6,940.96	46.34	45.37	-45.77	-273.47	211.53	431.26	362.83	68.43	6.302		
8,200.00	7,241.77	7,909.99	6,941.23	48.20	47.25	-46.28	-273.85	111.68	435.11	363.27	71.84	6.057		
8,300.00	7,241.94	7,989.86	6,941.49	50.16	48.82	-46.78	-274.22	11.83	438.99	363.90	75.09	5.846		
8,400.00	7,242.11	8,089.72	6,941.76	52.20	50.85	-47.27	-274.60	-88.02	442.91	364.12	78.79	5.621		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9A-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,242.27	8,189.57	6,942.02	54.31	52.96	-47.75	-274.97	-187.87	446.86	364.23	82.63	5.408		
8,600.00	7,242.44	8,289.42	6,942.29	56.49	55.14	-48.22	-275.35	-287.72	450.84	364.25	86.59	5.207		
8,700.00	7,242.60	8,389.27	6,942.56	58.73	57.38	-48.69	-275.72	-387.58	454.85	364.19	90.66	5.017		
8,800.00	7,242.77	8,489.12	6,942.82	61.03	59.67	-49.15	-276.10	-487.43	458.90	364.06	94.84	4.839		
8,900.00	7,242.94	8,588.97	6,943.09	63.37	62.01	-49.60	-276.47	-587.28	462.97	363.86	99.11	4.671		
9,000.00	7,243.10	8,688.82	6,943.35	65.75	64.39	-50.04	-276.85	-687.13	467.06	363.60	103.47	4.514		
9,100.00	7,243.27	8,788.68	6,943.62	68.18	66.80	-50.47	-277.22	-786.98	471.19	363.28	107.91	4.367		
9,200.00	7,243.44	8,888.53	6,943.88	70.63	69.25	-50.90	-277.60	-886.83	475.34	362.92	112.43	4.228		
9,300.00	7,243.60	8,988.38	6,944.15	73.12	71.73	-51.32	-277.97	-986.68	479.52	362.51	117.01	4.098		
9,400.00	7,243.77	9,088.23	6,944.41	75.63	74.24	-51.73	-278.35	-1,086.53	483.72	362.06	121.66	3.976		
9,500.00	7,243.94	9,188.08	6,944.68	78.17	76.77	-52.14	-278.72	-1,186.38	487.95	361.57	126.38	3.861		
9,600.00	7,244.10	9,287.93	6,944.95	80.73	79.33	-52.54	-279.10	-1,286.23	492.20	361.06	131.15	3.753		
9,700.00	7,244.27	9,387.79	6,945.21	83.31	81.90	-52.93	-279.47	-1,386.08	496.48	360.51	135.97	3.651		
9,800.00	7,244.44	9,487.64	6,945.48	85.91	84.49	-53.31	-279.84	-1,485.93	500.78	359.94	140.84	3.556		
9,900.00	7,244.60	9,587.49	6,945.74	88.53	87.10	-53.69	-280.22	-1,585.78	505.10	359.34	145.76	3.465		
10,000.00	7,244.77	9,687.34	6,946.01	91.16	89.72	-54.06	-280.59	-1,685.63	509.44	358.72	150.72	3.380		
10,100.00	7,244.94	9,787.19	6,946.27	93.81	92.36	-54.43	-280.97	-1,785.48	513.80	358.08	155.72	3.299		
10,200.00	7,245.10	9,887.04	6,946.54	96.46	95.01	-54.78	-281.34	-1,885.33	518.18	357.42	160.77	3.223		
10,300.00	7,245.27	9,986.90	6,946.81	99.14	97.67	-55.14	-281.72	-1,985.18	522.59	356.74	165.85	3.151		
10,400.00	7,245.43	10,086.75	6,947.07	101.82	100.34	-55.48	-282.09	-2,085.03	527.01	356.05	170.96	3.083		
10,500.00	7,245.60	10,186.60	6,947.34	104.51	103.02	-55.83	-282.47	-2,184.88	531.45	355.35	176.10	3.018		
10,600.00	7,245.77	10,286.45	6,947.60	107.21	105.71	-56.16	-282.84	-2,284.74	535.91	354.63	181.28	2.956		
10,700.00	7,245.93	10,386.30	6,947.87	109.92	108.41	-56.49	-283.22	-2,384.59	540.39	353.90	186.49	2.898		
10,800.00	7,246.10	10,486.15	6,948.13	112.64	111.12	-56.82	-283.59	-2,484.44	544.88	353.16	191.72	2.842		
10,900.00	7,246.27	10,586.01	6,948.40	115.37	113.83	-57.14	-283.97	-2,584.29	549.40	352.42	196.98	2.789		
11,000.00	7,246.43	10,685.86	6,948.67	118.10	116.55	-57.45	-284.34	-2,684.14	553.93	351.66	202.27	2.739		
11,100.00	7,246.60	10,785.71	6,948.93	120.84	119.28	-57.76	-284.72	-2,783.99	558.47	350.90	207.58	2.690		
11,200.00	7,246.77	10,885.56	6,949.20	123.58	122.01	-58.06	-285.09	-2,883.84	563.04	350.13	212.91	2.644		
11,300.00	7,246.93	10,985.41	6,949.46	126.34	124.75	-58.36	-285.47	-2,983.69	567.61	349.35	218.26	2.601		
11,340.34	7,247.00	11,025.69	6,949.57	127.45	125.86	-58.48	-285.62	-3,023.97	569.46	349.04	220.43	2.583		
11,400.00	7,247.10	11,085.29	6,949.73	129.09	127.50	-58.65	-285.84	-3,083.57	571.68	348.11	223.57	2.557		
11,500.00	7,247.27	11,185.27	6,949.99	131.84	130.25	-58.75	-286.22	-3,183.55	573.01	344.46	228.55	2.507		
11,586.15	7,247.43	11,271.41	6,950.22	134.20	132.62	-58.67	-286.54	-3,269.68	571.78	339.23	232.54	2.459		
11,600.00	7,247.45	11,285.25	6,950.26	134.57	133.00	-58.64	-286.59	-3,283.53	571.40	338.24	233.16	2.451		
11,700.00	7,247.64	11,385.20	6,950.53	137.31	135.76	-58.49	-286.97	-3,383.48	568.68	331.07	237.61	2.393		
11,800.00	7,247.82	11,485.16	6,950.79	140.05	138.53	-58.33	-287.34	-3,483.43	565.97	323.92	242.05	2.338		
11,900.00	7,248.00	11,585.11	6,951.06	142.79	141.29	-58.17	-287.72	-3,583.38	563.26	316.78	246.48	2.285		
12,000.00	7,248.18	11,685.06	6,951.32	145.53	144.07	-58.01	-288.09	-3,683.33	560.56	309.66	250.90	2.234		
12,100.00	7,248.37	11,785.01	6,951.59	148.28	146.84	-57.84	-288.47	-3,783.28	557.86	302.56	255.30	2.185		
12,200.00	7,248.55	11,884.96	6,951.86	151.04	149.62	-57.68	-288.84	-3,883.23	555.17	295.48	259.69	2.138		
12,300.00	7,248.73	11,984.91	6,952.12	153.80	152.40	-57.51	-289.22	-3,983.18	552.48	288.42	264.06	2.092		
12,400.00	7,248.91	12,084.86	6,952.39	156.56	155.18	-57.34	-289.59	-4,083.13	549.79	281.37	268.42	2.048		
12,500.00	7,249.10	12,184.81	6,952.65	159.32	157.97	-57.17	-289.97	-4,183.08	547.11	274.35	272.76	2.006		
12,600.00	7,249.28	12,284.76	6,952.92	162.09	160.75	-57.00	-290.34	-4,283.03	544.44	267.36	277.08	1.965		
12,700.00	7,249.46	12,384.71	6,953.19	164.86	163.54	-56.83	-290.72	-4,382.98	541.77	260.38	281.38	1.925		
12,800.00	7,249.64	12,484.66	6,953.45	167.63	166.34	-56.66	-291.09	-4,482.93	539.10	253.43	285.67	1.887		
12,900.00	7,249.83	12,584.62	6,953.72	170.40	169.13	-56.48	-291.47	-4,582.88	536.44	246.50	289.94	1.850		
13,000.00	7,250.01	12,684.57	6,953.98	173.18	171.93	-56.30	-291.84	-4,682.83	533.79	239.60	294.18	1.814		
13,100.00	7,250.19	12,784.52	6,954.25	175.96	174.73	-56.12	-292.22	-4,782.78	531.14	232.73	298.41	1.780		
13,200.00	7,250.37	12,884.47	6,954.52	178.74	177.53	-55.94	-292.59	-4,882.73	528.49	225.88	302.61	1.746		
13,300.00	7,250.56	12,984.42	6,954.78	181.52	180.33	-55.76	-292.97	-4,982.67	525.85	219.06	306.79	1.714		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33N-9A-L - OH - Plan #1														Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,400.00	7,250.74	13,084.37	6,955.05	184.31	183.14	-55.57	-293.34	-5,082.62	523.22	212.27	310.95	1.683			
13,500.00	7,250.92	13,184.32	6,955.31	187.09	185.94	-55.38	-293.72	-5,182.57	520.59	205.50	315.09	1.652			
13,600.00	7,251.10	13,284.27	6,955.58	189.88	188.75	-55.19	-294.09	-5,282.52	517.97	198.77	319.20	1.623			
13,700.00	7,251.29	13,384.22	6,955.84	192.67	191.56	-55.00	-294.47	-5,382.47	515.35	192.07	323.28	1.594			
13,800.00	7,251.47	13,484.17	6,956.11	195.47	194.37	-54.81	-294.84	-5,482.42	512.74	185.39	327.35	1.566			
13,900.00	7,251.65	13,584.12	6,956.38	198.26	197.18	-54.62	-295.22	-5,582.37	510.13	178.75	331.38	1.539			
14,000.00	7,251.83	13,684.08	6,956.64	201.05	199.99	-54.42	-295.59	-5,682.32	507.53	172.15	335.39	1.513			
14,100.00	7,252.01	13,784.03	6,956.91	203.85	202.81	-54.22	-295.97	-5,782.27	504.94	165.57	339.37	1.488 Level 3			
14,200.00	7,252.20	13,883.98	6,957.17	206.65	205.62	-54.02	-296.34	-5,882.22	502.35	159.03	343.32	1.463 Level 3			
14,300.00	7,252.38	13,983.93	6,957.44	209.45	208.44	-53.82	-296.72	-5,982.17	499.77	152.53	347.24	1.439 Level 3			
14,400.00	7,252.56	14,083.88	6,957.71	212.25	211.26	-53.61	-297.10	-6,082.12	497.20	146.06	351.14	1.416 Level 3			
14,500.00	7,252.74	14,183.83	6,957.97	215.05	214.08	-53.40	-297.47	-6,182.07	494.63	139.63	355.00	1.393 Level 3			
14,600.00	7,252.93	14,283.78	6,958.24	217.86	216.90	-53.19	-297.85	-6,282.02	492.07	133.24	358.83	1.371 Level 3			
14,700.00	7,253.11	14,383.73	6,958.50	220.66	219.72	-52.98	-298.22	-6,381.97	489.51	126.88	362.63	1.350 Level 3			
14,800.00	7,253.29	14,483.68	6,958.77	223.47	222.54	-52.77	-298.60	-6,481.92	486.97	120.57	366.40	1.329 Level 3			
14,900.00	7,253.47	14,583.63	6,959.04	226.27	225.36	-52.55	-298.97	-6,581.87	484.42	114.29	370.13	1.309 Level 3			
15,000.00	7,253.66	14,683.58	6,959.30	229.08	228.19	-52.33	-299.35	-6,681.82	481.89	108.06	373.83	1.289 Level 3			
15,100.00	7,253.84	14,783.54	6,959.57	231.89	231.01	-52.11	-299.72	-6,781.77	479.36	101.87	377.50	1.270 Level 3			
15,200.00	7,254.02	14,883.49	6,959.83	234.70	233.84	-51.89	-300.10	-6,881.72	476.84	95.72	381.12	1.251 Level 3			
15,300.00	7,254.20	14,983.44	6,960.10	237.51	236.66	-51.66	-300.47	-6,981.67	474.33	89.61	384.72	1.233 Level 2			
15,400.00	7,254.39	15,083.39	6,960.37	240.32	239.49	-51.44	-300.85	-7,081.62	471.82	83.55	388.27	1.215 Level 2			
15,500.00	7,254.57	15,183.34	6,960.63	243.13	242.32	-51.20	-301.22	-7,181.57	469.33	77.54	391.79	1.198 Level 2			
15,600.00	7,254.75	15,283.29	6,960.90	245.94	245.14	-50.97	-301.60	-7,281.52	466.84	71.57	395.26	1.181 Level 2			
15,700.00	7,254.93	15,383.24	6,961.16	248.76	247.97	-50.74	-301.97	-7,381.47	464.35	65.65	398.70	1.165 Level 2			
15,800.00	7,255.12	15,483.19	6,961.43	251.57	250.80	-50.50	-302.35	-7,481.42	461.88	59.78	402.10	1.149 Level 2			
15,900.00	7,255.30	15,583.14	6,961.70	254.39	253.63	-50.26	-302.72	-7,581.37	459.41	53.96	405.45	1.133 Level 2			
16,000.00	7,255.48	15,683.09	6,961.96	257.20	256.46	-50.02	-303.10	-7,681.32	456.96	48.19	408.76	1.118 Level 2			
16,100.00	7,255.66	15,783.04	6,962.23	260.02	259.29	-49.77	-303.47	-7,781.27	454.51	42.48	412.03	1.103 Level 2			
16,200.00	7,255.85	15,882.99	6,962.49	262.84	262.13	-49.52	-303.85	-7,881.22	452.06	36.81	415.25	1.089 Level 2			
16,300.00	7,256.03	15,982.95	6,962.76	265.65	264.96	-49.27	-304.22	-7,981.17	449.63	31.20	418.43	1.075 Level 2			
16,400.00	7,256.21	16,082.90	6,963.02	268.47	267.79	-49.02	-304.60	-8,081.12	447.21	25.65	421.56	1.061 Level 2			
16,500.00	7,256.39	16,182.85	6,963.29	271.29	270.62	-48.76	-304.97	-8,181.07	444.79	20.15	424.64	1.047 Level 2			
16,600.00	7,256.58	16,282.80	6,963.56	274.11	273.46	-48.50	-305.35	-8,281.02	442.38	14.71	427.68	1.034 Level 2			
16,700.00	7,256.76	16,382.75	6,963.82	276.93	276.29	-48.24	-305.72	-8,380.97	439.99	9.33	430.66	1.022 Level 2			
16,800.00	7,256.94	16,482.70	6,964.09	279.75	279.13	-47.97	-306.10	-8,480.92	437.60	4.00	433.60	1.009 Level 2			
16,900.00	7,257.12	16,582.65	6,964.35	282.57	281.96	-47.71	-306.47	-8,580.87	435.22	-1.26	436.48	0.997 Level 1			
17,000.00	7,257.30	16,682.60	6,964.62	285.40	284.80	-47.44	-306.85	-8,680.82	432.85	-6.45	439.31	0.985 Level 1			
17,100.00	7,257.49	16,782.55	6,964.89	288.22	287.64	-47.16	-307.22	-8,780.77	430.49	-11.59	442.08	0.974 Level 1			
17,200.00	7,257.67	16,882.50	6,965.15	291.04	290.47	-46.89	-307.60	-8,880.72	428.14	-16.66	444.81	0.963 Level 1			
17,300.00	7,257.85	16,982.45	6,965.42	293.87	293.31	-46.61	-307.97	-8,980.67	425.81	-21.66	447.47	0.952 Level 1			
17,400.00	7,258.03	17,082.41	6,965.68	296.69	296.15	-46.32	-308.35	-9,080.62	423.48	-26.60	450.08	0.941 Level 1			
17,500.00	7,258.22	17,182.36	6,965.95	299.51	298.98	-46.04	-308.72	-9,180.57	421.16	-31.47	452.63	0.930 Level 1			
17,600.00	7,258.40	17,282.31	6,966.22	302.34	301.82	-45.75	-309.10	-9,280.52	418.85	-36.27	455.12	0.920 Level 1			
17,700.00	7,258.58	17,382.26	6,966.48	305.16	304.66	-45.46	-309.47	-9,380.47	416.55	-40.99	457.55	0.910 Level 1			
17,800.00	7,258.76	17,482.21	6,966.75	307.99	307.50	-45.16	-309.85	-9,480.42	414.27	-45.65	459.91	0.901 Level 1			
17,900.00	7,258.95	17,582.16	6,967.01	310.82	310.34	-44.86	-310.22	-9,580.37	411.99	-50.23	462.22	0.891 Level 1			
18,000.00	7,259.13	17,682.11	6,967.28	313.64	313.18	-44.56	-310.60	-9,680.32	409.73	-54.73	464.46	0.882 Level 1			
18,100.00	7,259.31	17,782.06	6,967.55	316.47	316.02	-44.25	-310.98	-9,780.27	407.48	-59.16	466.63	0.873 Level 1			
18,200.00	7,259.49	17,882.01	6,967.81	319.30	318.86	-43.95	-311.35	-9,880.22	405.24	-63.51	468.74	0.865 Level 1			
18,300.00	7,259.68	17,981.96	6,968.08	322.12	321.70	-43.63	-311.73	-9,980.17	403.01	-67.77	470.78	0.856 Level 1			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	18,081.91	6,968.34	324.95	324.54	-43.32	-312.10	-10,080.12	400.79	-71.96	472.75	0.848	Level 1	
18,500.00	7,260.04	18,181.87	6,968.61	327.78	327.38	-43.00	-312.48	-10,180.07	398.59	-76.07	474.65	0.840	Level 1	
18,600.00	7,260.22	18,281.82	6,968.88	330.61	330.22	-42.68	-312.85	-10,280.02	396.40	-80.09	476.48	0.832	Level 1	
18,700.00	7,260.41	18,381.77	6,969.14	333.44	333.06	-42.35	-313.23	-10,379.97	394.22	-84.02	478.24	0.824	Level 1	
18,800.00	7,260.59	18,481.72	6,969.41	336.27	335.91	-42.02	-313.60	-10,479.92	392.05	-87.87	479.92	0.817	Level 1	
18,900.00	7,260.77	18,581.67	6,969.67	339.10	338.75	-41.69	-313.98	-10,579.87	389.90	-91.63	481.53	0.810	Level 1	
19,000.00	7,260.95	18,681.62	6,969.94	341.93	341.59	-41.35	-314.35	-10,679.82	387.76	-95.29	483.05	0.803	Level 1	
19,025.91	7,261.00	18,707.52	6,970.01	342.66	342.33	-41.26	-314.45	-10,705.72	387.21	-96.23	483.44	0.801	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-178.96	-15.31	-0.28	15.31					
100.00	100.00	100.00	100.00	3.28	3.28	-178.96	-15.31	-0.28	15.31	8.74	6.57	2.331		
200.00	200.00	200.00	200.00	3.34	3.34	-178.96	-15.31	-0.28	15.31	8.64	6.67	2.294 CC		
204.12	204.12	204.12	204.12	3.34	3.34	90.34	-15.31	-0.28	15.31	8.63	6.68	2.292		
300.00	299.98	299.98	299.98	3.44	3.44	96.82	-15.31	-0.28	15.42	8.53	6.89	2.239		
400.00	399.84	400.00	399.98	3.60	3.60	109.01	-15.48	1.46	16.35	9.15	7.20	2.272		
500.00	499.45	500.14	499.97	3.81	3.80	119.04	-15.98	6.68	18.19	10.58	7.60	2.392		
600.00	598.70	600.39	599.84	4.05	4.04	126.55	-16.82	15.38	20.71	12.61	8.10	2.557		
700.00	697.47	700.77	699.46	4.34	4.31	131.88	-18.00	27.58	23.72	15.05	8.68	2.734		
800.00	795.62	801.26	798.71	4.66	4.63	135.53	-19.51	43.26	27.10	17.77	9.33	2.906		
849.22	843.68	850.77	847.38	4.84	4.79	136.85	-20.38	52.26	28.86	19.19	9.67	2.984		
900.00	893.16	901.88	897.46	5.02	4.97	137.40	-21.36	62.42	30.41	20.38	10.04	3.031		
1,000.00	990.60	1,002.43	995.44	5.41	5.35	134.95	-23.53	84.93	31.76	20.97	10.79	2.943		
1,100.00	1,088.05	1,102.41	1,092.60	5.83	5.76	131.22	-25.79	108.36	32.49	20.91	11.58	2.806		
1,200.00	1,185.49	1,202.38	1,189.76	6.26	6.18	127.66	-28.05	131.79	33.37	20.95	12.42	2.686		
1,300.00	1,282.93	1,302.36	1,286.93	6.70	6.63	124.30	-30.31	155.22	34.36	21.06	13.30	2.584		
1,400.00	1,380.37	1,402.33	1,384.09	7.15	7.08	121.14	-32.57	178.65	35.46	21.26	14.20	2.497		
1,500.00	1,477.82	1,502.31	1,481.26	7.62	7.55	118.17	-34.83	202.08	36.67	21.53	15.14	2.423		
1,600.00	1,575.26	1,602.29	1,578.42	8.09	8.03	115.41	-37.09	225.51	37.96	21.88	16.09	2.360		
1,700.00	1,672.70	1,702.26	1,675.59	8.57	8.51	112.83	-39.35	248.94	39.34	22.29	17.05	2.307		
1,800.00	1,770.15	1,802.24	1,772.75	9.05	9.00	110.43	-41.61	272.37	40.80	22.76	18.03	2.262		
1,900.00	1,867.59	1,902.21	1,869.92	9.54	9.49	108.20	-43.87	295.80	42.32	23.29	19.02	2.224		
2,000.00	1,965.03	2,002.19	1,967.08	10.03	9.99	106.12	-46.13	319.23	43.90	23.88	20.02	2.193		
2,100.00	2,062.48	2,102.16	2,064.25	10.53	10.50	104.20	-48.39	342.66	45.53	24.51	21.02	2.166		
2,200.00	2,159.92	2,202.14	2,161.41	11.03	11.00	102.40	-50.65	366.09	47.21	25.18	22.03	2.143		
2,300.00	2,257.36	2,302.11	2,258.58	11.53	11.51	100.74	-52.91	389.52	48.94	25.89	23.04	2.124		
2,400.00	2,354.81	2,402.09	2,355.74	12.03	12.02	99.18	-55.17	412.95	50.70	26.64	24.06	2.107		
2,500.00	2,452.25	2,502.06	2,452.91	12.54	12.54	97.74	-57.43	436.38	52.50	27.42	25.08	2.094		
2,600.00	2,549.69	2,602.04	2,550.07	13.04	13.05	96.39	-59.69	459.81	54.33	28.23	26.09	2.082		
2,700.00	2,647.13	2,702.01	2,647.24	13.55	13.57	95.12	-61.95	483.24	56.19	29.07	27.11	2.072		
2,800.00	2,744.58	2,801.99	2,744.40	14.06	14.09	93.94	-64.21	506.67	58.07	29.93	28.14	2.064		
2,900.00	2,842.02	2,901.96	2,841.57	14.57	14.61	92.84	-66.47	530.10	59.97	30.82	29.16	2.057		
3,000.00	2,939.46	3,001.94	2,938.73	15.09	15.13	91.80	-68.73	553.53	61.90	31.72	30.18	2.051		
3,100.00	3,036.91	3,101.92	3,035.90	15.60	15.66	90.82	-70.99	576.96	63.85	32.64	31.21	2.046		
3,200.00	3,134.35	3,201.89	3,133.06	16.11	16.18	89.91	-73.25	600.39	65.81	33.58	32.23	2.042		
3,300.00	3,231.79	3,301.87	3,230.23	16.63	16.70	89.04	-75.50	623.82	67.79	34.53	33.25	2.039		
3,400.00	3,329.24	3,401.84	3,327.39	17.14	17.23	88.23	-77.76	647.25	69.78	35.50	34.28	2.036		
3,500.00	3,426.68	3,501.82	3,424.56	17.66	17.76	87.46	-80.02	670.68	71.79	36.49	35.30	2.033		
3,600.00	3,524.12	3,601.79	3,521.72	18.18	18.28	86.73	-82.28	694.11	73.81	37.48	36.33	2.032		
3,700.00	3,621.57	3,701.77	3,618.89	18.69	18.81	86.05	-84.54	717.54	75.84	38.48	37.36	2.030		
3,800.00	3,719.01	3,801.74	3,716.05	19.21	19.34	85.39	-86.80	740.97	77.88	39.50	38.38	2.029		
3,900.00	3,816.45	3,901.72	3,813.22	19.73	19.87	84.78	-89.06	764.40	79.93	40.52	39.41	2.028		
4,000.00	3,913.90	4,001.69	3,910.38	20.25	20.40	84.19	-91.32	787.83	81.99	41.56	40.43	2.028		
4,100.00	4,011.34	4,101.67	4,007.55	20.77	20.93	83.63	-93.58	811.26	84.06	42.60	41.46	2.027		
4,200.00	4,108.78	4,201.64	4,104.71	21.29	21.46	83.10	-95.84	834.68	86.13	43.65	42.49	2.027		
4,300.00	4,206.22	4,301.62	4,201.88	21.81	21.99	82.59	-98.10	858.11	88.21	44.70	43.51	2.027		
4,400.00	4,303.67	4,401.60	4,299.04	22.33	22.52	82.11	-100.36	881.54	90.30	45.76	44.54	2.027		
4,500.00	4,401.11	4,501.57	4,396.21	22.85	23.05	81.64	-102.62	904.97	92.40	46.83	45.57	2.028		
4,600.00	4,498.55	4,601.55	4,493.37	23.37	23.58	81.20	-104.88	928.40	94.50	47.91	46.59	2.028		
4,700.00	4,596.00	4,701.52	4,590.54	23.89	24.11	80.78	-107.14	951.83	96.61	48.98	47.62	2.029		
4,800.00	4,693.44	4,801.50	4,687.70	24.41	24.64	80.38	-109.40	975.26	98.72	50.07	48.65	2.029		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
4,900.00	4,790.88	4,901.47	4,784.87	24.93	25.18	79.99	-111.66	998.69	100.83	51.16	49.67	2.030		
5,000.00	4,888.33	5,001.45	4,882.03	25.46	25.71	79.62	-113.92	1,022.12	102.95	52.25	50.70	2.031		
5,100.00	4,985.77	5,101.42	4,979.19	25.98	26.24	79.26	-116.18	1,045.55	105.08	53.35	51.73	2.031		
5,200.00	5,083.21	5,201.40	5,076.36	26.50	26.77	78.92	-118.44	1,068.98	107.20	54.45	52.76	2.032		
5,300.00	5,180.66	5,301.37	5,173.52	27.02	27.31	78.59	-120.70	1,092.41	109.34	55.55	53.78	2.033		
5,400.00	5,278.10	5,401.35	5,270.69	27.55	27.84	78.28	-122.96	1,115.84	111.47	56.66	54.81	2.034		
5,500.00	5,375.54	5,501.82	5,368.42	28.07	28.37	78.13	-125.20	1,139.06	113.51	57.66	55.85	2.032		
5,582.90	5,456.32	5,585.62	5,450.41	28.50	28.80	79.09	-126.86	1,156.26	114.59	57.84	56.75	2.019		
5,600.00	5,473.00	5,602.89	5,467.37	28.59	28.89	79.41	-127.17	1,159.50	114.75	57.81	56.94	2.015		
5,700.00	5,570.93	5,703.83	5,566.86	29.10	29.37	81.25	-128.81	1,176.44	115.56	57.55	58.02	1.992		
5,800.00	5,669.52	5,804.65	5,666.77	29.57	29.82	83.04	-130.10	1,189.87	116.20	57.18	59.02	1.969		
5,900.00	5,768.62	5,905.36	5,766.98	30.03	30.25	84.80	-131.06	1,199.77	116.66	56.68	59.98	1.945		
6,000.00	5,868.13	6,005.95	5,867.36	30.45	30.66	86.54	-131.67	1,206.16	116.93	56.05	60.87	1.921		
6,100.00	5,967.93	6,106.41	5,967.78	30.86	31.04	88.27	-131.95	1,209.04	117.01	55.29	61.72	1.896		
6,200.00	6,067.88	6,206.52	6,067.88	31.24	31.40	89.58	-131.97	1,209.22	116.97	54.47	62.51	1.871		
6,232.12	6,100.00	6,238.64	6,100.00	31.36	31.52	-179.62	-131.97	1,209.22	116.97	54.23	62.74	1.864		
6,300.00	6,167.88	6,306.52	6,167.88	31.61	31.76	-179.62	-131.97	1,209.22	116.97	53.74	63.23	1.850		
6,400.00	6,267.88	6,406.52	6,267.88	31.97	32.12	-179.62	-131.97	1,209.22	116.97	53.01	63.96	1.829		
6,500.00	6,367.88	6,506.52	6,367.88	32.34	32.48	-179.62	-131.97	1,209.22	116.97	52.28	64.69	1.808		
6,500.38	6,368.26	6,506.90	6,368.26	32.34	32.48	-179.62	-131.97	1,209.22	116.97	52.28	64.69	1.808		
6,600.00	6,467.88	6,606.35	6,467.67	32.70	32.84	-178.86	-131.98	1,207.68	117.00	51.57	65.43	1.788		
6,700.00	6,567.88	6,703.81	6,564.00	33.07	33.18	-171.97	-132.05	1,193.50	118.27	52.10	66.17	1.787		
6,736.50	6,604.38	6,738.00	6,597.13	33.21	33.31	-167.97	-132.10	1,185.05	119.94	53.68	66.27	1.810		
6,750.00	6,617.88	6,750.43	6,609.06	33.25	33.36	-79.23	-132.11	1,181.54	120.82	54.58	66.24	1.824		
6,800.00	6,667.77	6,795.96	6,652.09	33.43	33.54	-73.42	-132.19	1,166.72	125.01	59.11	65.90	1.897		
6,850.00	6,717.28	6,840.70	6,693.25	33.60	33.74	-68.13	-132.28	1,149.19	130.49	65.32	65.17	2.002		
6,900.00	6,766.09	6,884.72	6,732.44	33.79	33.94	-63.43	-132.39	1,129.17	136.96	72.87	64.09	2.137		
6,950.00	6,813.90	6,928.08	6,769.60	33.99	34.16	-59.31	-132.51	1,106.85	144.16	81.42	62.74	2.298		
7,000.00	6,860.42	6,970.84	6,804.67	34.20	34.39	-55.75	-132.63	1,082.41	151.84	90.65	61.19	2.481		
7,050.00	6,905.36	7,013.05	6,837.61	34.42	34.64	-52.68	-132.77	1,056.03	159.78	100.26	59.52	2.684		
7,100.00	6,948.45	7,054.76	6,868.38	34.67	34.90	-50.07	-132.92	1,027.87	167.80	110.00	57.80	2.903		
7,150.00	6,989.41	7,096.02	6,896.93	34.94	35.19	-47.85	-133.08	998.09	175.75	119.65	56.09	3.133		
7,200.00	7,028.00	7,136.88	6,923.24	35.24	35.50	-45.98	-133.24	966.84	183.51	129.03	54.47	3.369		
7,250.00	7,063.98	7,177.38	6,947.29	35.56	35.83	-44.42	-133.41	934.27	190.97	137.98	52.99	3.604		
7,300.00	7,097.13	7,217.56	6,969.06	35.92	36.18	-43.13	-133.59	900.50	198.06	146.36	51.70	3.831		
7,350.00	7,127.23	7,257.45	6,988.53	36.32	36.55	-42.09	-133.77	865.68	204.71	154.05	50.66	4.041		
7,400.00	7,154.12	7,297.11	7,005.67	36.75	36.95	-41.25	-133.96	829.94	210.86	160.94	49.92	4.224		
7,450.00	7,177.61	7,336.55	7,020.49	37.22	37.37	-40.62	-134.15	793.39	216.46	166.95	49.51	4.372		
7,500.00	7,197.57	7,375.82	7,032.96	37.73	37.81	-40.16	-134.34	756.17	221.48	172.03	49.46	4.478		
7,550.00	7,213.88	7,414.94	7,043.09	38.28	38.27	-39.87	-134.54	718.38	225.90	176.12	49.77	4.538		
7,600.00	7,226.42	7,453.96	7,050.85	38.87	38.75	-39.73	-134.74	680.15	229.68	179.22	50.46	4.552		
7,650.00	7,235.13	7,492.89	7,056.25	39.48	39.24	-39.74	-134.94	641.60	232.83	181.32	51.51	4.520		
7,700.00	7,239.95	7,531.78	7,059.28	40.12	39.75	-39.89	-135.15	602.83	235.32	182.43	52.89	4.449		
7,735.44	7,241.00	7,562.11	7,059.99	40.59	40.15	-40.08	-135.29	575.64	236.69	182.60	54.09	4.376		
7,800.00	7,241.11	7,623.45	7,060.14	41.47	41.01	-40.75	-135.63	511.18	239.00	182.97	56.03	4.265		
7,900.00	7,241.27	7,723.29	7,060.37	42.96	42.51	-41.76	-136.15	411.34	242.65	183.39	59.26	4.095		
8,000.00	7,241.44	7,823.13	7,060.60	44.59	44.15	-42.74	-136.67	311.50	246.36	183.67	62.69	3.930		
8,100.00	7,241.61	7,922.98	7,060.83	46.34	45.91	-43.69	-137.20	211.66	250.15	183.85	66.30	3.773		
8,200.00	7,241.77	8,022.82	7,061.06	48.20	47.77	-44.61	-137.72	111.82	254.00	183.91	70.09	3.624		
8,300.00	7,241.94	8,122.66	7,061.29	50.16	49.73	-45.50	-138.24	11.97	257.92	183.88	74.04	3.484		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,400.00	7,242.11	8,222.51	7,061.52	52.20	51.77	-46.37	-138.77	-87.87	261.90	183.77	78.13	3.352		
8,500.00	7,242.27	8,322.35	7,061.75	54.31	53.88	-47.21	-139.29	-187.71	265.93	183.58	82.35	3.229		
8,600.00	7,242.44	8,422.19	7,061.98	56.49	56.06	-48.03	-139.81	-287.55	270.02	183.32	86.70	3.114		
8,700.00	7,242.60	8,522.04	7,062.21	58.73	58.30	-48.82	-140.34	-387.39	274.17	183.01	91.16	3.007		
8,800.00	7,242.77	8,621.88	7,062.45	61.03	60.59	-49.59	-140.86	-487.24	278.36	182.64	95.73	2.908		
8,900.00	7,242.94	8,721.72	7,062.68	63.37	62.93	-50.33	-141.38	-587.08	282.61	182.22	100.39	2.815		
9,000.00	7,243.10	8,821.57	7,062.91	65.75	65.31	-51.05	-141.91	-686.92	286.90	181.77	105.13	2.729		
9,100.00	7,243.27	8,921.41	7,063.14	68.18	67.73	-51.75	-142.43	-786.76	291.23	181.27	109.96	2.649		
9,200.00	7,243.44	9,021.25	7,063.37	70.63	70.17	-52.43	-142.95	-886.60	295.61	180.75	114.86	2.574		
9,300.00	7,243.60	9,121.10	7,063.60	73.12	72.65	-53.09	-143.47	-986.44	300.03	180.20	119.82	2.504		
9,400.00	7,243.77	9,220.94	7,063.83	75.63	75.16	-53.74	-144.00	-1,086.29	304.48	179.63	124.85	2.439		
9,500.00	7,243.94	9,320.79	7,064.06	78.17	77.69	-54.36	-144.52	-1,186.13	308.97	179.03	129.94	2.378		
9,600.00	7,244.10	9,420.63	7,064.29	80.73	80.24	-54.96	-145.04	-1,285.97	313.50	178.42	135.08	2.321		
9,700.00	7,244.27	9,520.47	7,064.52	83.31	82.81	-55.55	-145.57	-1,385.81	318.06	177.80	140.27	2.268		
9,800.00	7,244.44	9,620.32	7,064.75	85.91	85.39	-56.12	-146.09	-1,485.65	322.66	177.16	145.50	2.218		
9,900.00	7,244.60	9,720.16	7,064.98	88.53	88.00	-56.68	-146.61	-1,585.50	327.28	176.51	150.77	2.171		
10,000.00	7,244.77	9,820.00	7,065.21	91.16	90.62	-57.22	-147.14	-1,685.34	331.94	175.86	156.08	2.127		
10,100.00	7,244.94	9,919.85	7,065.44	93.81	93.25	-57.74	-147.66	-1,785.18	336.62	175.20	161.43	2.085		
10,200.00	7,245.10	10,019.69	7,065.67	96.46	95.90	-58.25	-148.18	-1,885.02	341.34	174.53	166.81	2.046		
10,300.00	7,245.27	10,119.53	7,065.90	99.14	98.56	-58.75	-148.71	-1,984.86	346.07	173.86	172.22	2.010		
10,400.00	7,245.43	10,219.38	7,066.13	101.82	101.23	-59.23	-149.23	-2,084.70	350.84	173.18	177.65	1.975		
10,500.00	7,245.60	10,319.22	7,066.36	104.51	103.91	-59.70	-149.75	-2,184.55	355.62	172.51	183.12	1.942		
10,600.00	7,245.77	10,419.06	7,066.59	107.21	106.59	-60.16	-150.28	-2,284.39	360.43	171.83	188.60	1.911		
10,700.00	7,245.93	10,518.91	7,066.82	109.92	109.29	-60.60	-150.80	-2,384.23	365.27	171.16	194.11	1.882		
10,800.00	7,246.10	10,618.75	7,067.05	112.64	111.99	-61.04	-151.32	-2,484.07	370.12	170.48	199.64	1.854		
10,900.00	7,246.27	10,718.59	7,067.28	115.37	114.70	-61.46	-151.85	-2,583.91	375.00	169.81	205.19	1.828		
11,000.00	7,246.43	10,818.44	7,067.51	118.10	117.42	-61.87	-152.37	-2,683.75	379.89	169.14	210.75	1.803		
11,100.00	7,246.60	10,918.28	7,067.74	120.84	120.15	-62.27	-152.89	-2,783.60	384.80	168.47	216.33	1.779		
11,200.00	7,246.77	11,018.12	7,067.97	123.58	122.88	-62.66	-153.42	-2,883.44	389.74	167.80	221.93	1.756		
11,300.00	7,246.93	11,117.97	7,068.20	126.34	125.61	-63.04	-153.94	-2,983.28	394.69	167.14	227.54	1.735		
11,340.34	7,247.00	11,158.24	7,068.29	127.45	126.72	-63.19	-154.15	-3,023.56	396.69	166.88	229.81	1.726		
11,400.00	7,247.10	11,217.84	7,068.43	129.09	128.35	-63.39	-154.46	-3,083.15	399.10	166.00	233.10	1.712		
11,500.00	7,247.27	11,317.82	7,068.66	131.84	131.10	-63.53	-154.99	-3,183.13	400.65	162.36	238.30	1.681		
11,586.15	7,247.43	11,403.95	7,068.86	134.20	133.48	-63.44	-155.44	-3,269.26	399.49	157.04	242.45	1.648		
11,600.00	7,247.45	11,417.80	7,068.89	134.57	133.86	-63.41	-155.51	-3,283.11	399.12	156.03	243.09	1.642		
11,700.00	7,247.64	11,517.76	7,069.12	137.31	136.61	-63.22	-156.03	-3,383.06	396.43	148.71	247.73	1.600		
11,800.00	7,247.82	11,617.71	7,069.35	140.05	139.38	-63.03	-156.56	-3,483.02	393.75	141.41	252.34	1.560		
11,900.00	7,248.00	11,717.67	7,069.58	142.79	142.14	-62.84	-157.08	-3,582.97	391.07	134.12	256.95	1.522		
12,000.00	7,248.18	11,817.62	7,069.81	145.53	144.91	-62.65	-157.60	-3,682.92	388.40	126.86	261.53	1.485 Level 3		
12,100.00	7,248.37	11,917.58	7,070.04	148.28	147.68	-62.45	-158.13	-3,782.88	385.73	119.62	266.10	1.450 Level 3		
12,200.00	7,248.55	12,017.53	7,070.27	151.04	150.46	-62.25	-158.65	-3,882.83	383.06	112.41	270.66	1.415 Level 3		
12,300.00	7,248.73	12,117.49	7,070.50	153.80	153.24	-62.05	-159.18	-3,982.79	380.40	105.21	275.19	1.382 Level 3		
12,400.00	7,248.91	12,217.44	7,070.73	156.56	156.02	-61.84	-159.70	-4,082.74	377.75	98.04	279.70	1.351 Level 3		
12,500.00	7,249.10	12,317.40	7,070.96	159.32	158.80	-61.63	-160.22	-4,182.69	375.09	90.90	284.19	1.320 Level 3		
12,600.00	7,249.28	12,417.36	7,071.20	162.09	161.59	-61.42	-160.75	-4,282.65	372.45	83.79	288.66	1.290 Level 3		
12,700.00	7,249.46	12,517.31	7,071.43	164.86	164.38	-61.21	-161.27	-4,382.60	369.81	76.70	293.11	1.262 Level 3		
12,800.00	7,249.64	12,617.27	7,071.66	167.63	167.17	-60.99	-161.79	-4,482.56	367.17	69.64	297.53	1.234 Level 2		
12,900.00	7,249.83	12,717.22	7,071.89	170.40	169.96	-60.77	-162.32	-4,582.51	364.54	62.62	301.92	1.207 Level 2		
13,000.00	7,250.01	12,817.18	7,072.12	173.18	172.76	-60.54	-162.84	-4,682.46	361.92	55.63	306.29	1.182 Level 2		
13,100.00	7,250.19	12,917.13	7,072.35	175.96	175.55	-60.32	-163.37	-4,782.42	359.30	48.67	310.63	1.157 Level 2		
13,200.00	7,250.37	13,017.09	7,072.58	178.74	178.35	-60.09	-163.89	-4,882.37	356.69	41.74	314.95	1.133 Level 2		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1														Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,300.00	7,250.56	13,117.04	7,072.81	181.52	181.16	-59.85	-164.41	-4,982.32	354.08	34.85	319.23	1.109	Level 2		
13,400.00	7,250.74	13,217.00	7,073.04	184.31	183.96	-59.62	-164.94	-5,082.28	351.48	28.00	323.48	1.087	Level 2		
13,500.00	7,250.92	13,316.96	7,073.27	187.09	186.76	-59.37	-165.46	-5,182.23	348.88	21.18	327.70	1.065	Level 2		
13,600.00	7,251.10	13,416.91	7,073.50	189.88	189.57	-59.13	-165.99	-5,282.19	346.29	14.41	331.89	1.043	Level 2		
13,700.00	7,251.29	13,516.87	7,073.73	192.67	192.38	-58.88	-166.51	-5,382.14	343.71	7.67	336.04	1.023	Level 2		
13,800.00	7,251.47	13,616.82	7,073.96	195.47	195.19	-58.63	-167.03	-5,482.09	341.13	0.98	340.15	1.003	Level 2		
13,900.00	7,251.65	13,716.78	7,074.19	198.26	198.00	-58.37	-167.56	-5,582.05	338.57	-5.67	344.23	0.984	Level 1		
14,000.00	7,251.83	13,816.73	7,074.42	201.05	200.81	-58.11	-168.08	-5,682.00	336.00	-12.27	348.27	0.965	Level 1		
14,100.00	7,252.01	13,916.69	7,074.65	203.85	203.62	-57.85	-168.60	-5,781.96	333.45	-18.82	352.27	0.947	Level 1		
14,200.00	7,252.20	14,016.64	7,074.88	206.65	206.44	-57.58	-169.13	-5,881.91	330.90	-25.33	356.23	0.929	Level 1		
14,300.00	7,252.38	14,116.60	7,075.11	209.45	209.25	-57.31	-169.65	-5,981.86	328.36	-31.79	360.14	0.912	Level 1		
14,400.00	7,252.56	14,216.55	7,075.34	212.25	212.07	-57.03	-170.18	-6,081.82	325.82	-38.19	364.01	0.895	Level 1		
14,500.00	7,252.74	14,316.51	7,075.57	215.05	214.88	-56.75	-170.70	-6,181.77	323.30	-44.54	367.84	0.879	Level 1		
14,600.00	7,252.93	14,416.47	7,075.80	217.86	217.70	-56.47	-171.22	-6,281.72	320.78	-50.84	371.62	0.863	Level 1		
14,700.00	7,253.11	14,516.42	7,076.03	220.66	220.52	-56.18	-171.75	-6,381.68	318.27	-57.07	375.35	0.848	Level 1		
14,800.00	7,253.29	14,616.38	7,076.26	223.47	223.34	-55.89	-172.27	-6,481.63	315.77	-63.25	379.02	0.833	Level 1		
14,900.00	7,253.47	14,716.33	7,076.50	226.27	226.17	-55.59	-172.79	-6,581.59	313.28	-69.37	382.65	0.819	Level 1		
15,000.00	7,253.66	14,816.29	7,076.73	229.08	228.99	-55.28	-173.32	-6,681.54	310.79	-75.43	386.22	0.805	Level 1		
15,100.00	7,253.84	14,916.24	7,076.96	231.89	231.81	-54.98	-173.84	-6,781.49	308.32	-81.42	389.74	0.791	Level 1		
15,200.00	7,254.02	15,016.20	7,077.19	234.70	234.63	-54.66	-174.37	-6,881.45	305.85	-87.34	393.19	0.778	Level 1		
15,300.00	7,254.20	15,116.15	7,077.42	237.51	237.46	-54.34	-174.89	-6,981.40	303.39	-93.20	396.59	0.765	Level 1		
15,400.00	7,254.39	15,216.11	7,077.65	240.32	240.29	-54.02	-175.41	-7,081.36	300.94	-98.98	399.93	0.752	Level 1		
15,500.00	7,254.57	15,316.06	7,077.88	243.13	243.11	-53.69	-175.94	-7,181.31	298.51	-104.69	403.20	0.740	Level 1		
15,600.00	7,254.75	15,416.02	7,078.11	245.94	245.94	-53.36	-176.46	-7,281.26	296.08	-110.33	406.41	0.729	Level 1		
15,700.00	7,254.93	15,515.98	7,078.34	248.76	248.77	-53.02	-176.98	-7,381.22	293.66	-115.89	409.55	0.717	Level 1		
15,800.00	7,255.12	15,615.93	7,078.57	251.57	251.59	-52.67	-177.51	-7,481.17	291.25	-121.36	412.62	0.706	Level 1		
15,900.00	7,255.30	15,715.89	7,078.80	254.39	254.42	-52.32	-178.03	-7,581.12	288.86	-126.76	415.61	0.695	Level 1		
16,000.00	7,255.48	15,815.84	7,079.03	257.20	257.25	-51.96	-178.56	-7,681.08	286.47	-132.06	418.53	0.684	Level 1		
16,100.00	7,255.66	15,915.80	7,079.26	260.02	260.08	-51.60	-179.08	-7,781.03	284.10	-137.28	421.38	0.674	Level 1		
16,200.00	7,255.85	16,015.75	7,079.49	262.84	262.91	-51.23	-179.60	-7,880.99	281.74	-142.41	424.14	0.664	Level 1		
16,300.00	7,256.03	16,115.71	7,079.72	265.65	265.75	-50.86	-180.13	-7,980.94	279.38	-147.44	426.83	0.655	Level 1		
16,400.00	7,256.21	16,215.66	7,079.95	268.47	268.58	-50.47	-180.65	-8,080.89	277.05	-152.38	429.42	0.645	Level 1		
16,500.00	7,256.39	16,315.62	7,080.18	271.29	271.41	-50.09	-181.17	-8,180.85	274.72	-157.21	431.93	0.636	Level 1		
16,600.00	7,256.58	16,415.57	7,080.41	274.11	274.24	-49.69	-181.70	-8,280.80	272.41	-161.95	434.35	0.627	Level 1		
16,700.00	7,256.76	16,515.53	7,080.64	276.93	277.08	-49.29	-182.22	-8,380.76	270.11	-166.57	436.68	0.619	Level 1		
16,800.00	7,256.94	16,615.49	7,080.87	279.75	279.91	-48.88	-182.75	-8,480.71	267.82	-171.09	438.91	0.610	Level 1		
16,900.00	7,257.12	16,715.44	7,081.10	282.57	282.75	-48.47	-183.27	-8,580.66	265.55	-175.50	441.04	0.602	Level 1		
17,000.00	7,257.30	16,815.40	7,081.33	285.40	285.58	-48.04	-183.79	-8,680.62	263.29	-179.78	443.07	0.594	Level 1		
17,100.00	7,257.49	16,915.35	7,081.57	288.22	288.42	-47.61	-184.32	-8,780.57	261.05	-183.95	445.00	0.587	Level 1		
17,200.00	7,257.67	17,015.31	7,081.80	291.04	291.25	-47.18	-184.84	-8,880.52	258.82	-188.00	446.81	0.579	Level 1		
17,300.00	7,257.85	17,115.26	7,082.03	293.87	294.09	-46.73	-185.36	-8,980.48	256.60	-191.92	448.52	0.572	Level 1		
17,400.00	7,258.03	17,215.22	7,082.26	296.69	296.92	-46.28	-185.89	-9,080.43	254.40	-195.70	450.11	0.565	Level 1		
17,500.00	7,258.22	17,315.17	7,082.49	299.51	299.76	-45.82	-186.41	-9,180.39	252.22	-199.36	451.58	0.559	Level 1		
17,600.00	7,258.40	17,415.13	7,082.72	302.34	302.60	-45.35	-186.94	-9,280.34	250.06	-202.87	452.93	0.552	Level 1		
17,700.00	7,258.58	17,515.09	7,082.95	305.16	305.44	-44.87	-187.46	-9,380.29	247.91	-206.24	454.15	0.546	Level 1		
17,800.00	7,258.76	17,615.04	7,083.18	307.99	308.27	-44.39	-187.98	-9,480.25	245.78	-209.47	455.25	0.540	Level 1		
17,900.00	7,258.95	17,715.00	7,083.41	310.82	311.11	-43.90	-188.51	-9,580.20	243.67	-212.55	456.21	0.534	Level 1		
18,000.00	7,259.13	17,814.95	7,083.64	313.64	313.95	-43.39	-189.03	-9,680.16	241.57	-215.47	457.04	0.529	Level 1		
18,100.00	7,259.31	17,914.91	7,083.87	316.47	316.79	-42.88	-189.56	-9,780.11	239.50	-218.23	457.73	0.523	Level 1		
18,200.00	7,259.49	18,014.86	7,084.10	319.30	319.63	-42.36	-190.08	-9,880.06	237.44	-220.83	458.27	0.518	Level 1		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,300.00	7,259.68	18,114.82	7,084.33	322.12	322.47	-41.84	-190.60	-9,980.02	235.40	-223.27	458.67	0.513	Level 1	
18,400.00	7,259.86	18,214.77	7,084.56	324.95	325.31	-41.30	-191.13	-10,079.97	233.39	-225.53	458.92	0.509	Level 1	
18,500.00	7,260.04	18,314.73	7,084.79	327.78	328.15	-40.75	-191.65	-10,179.92	231.39	-227.62	459.01	0.504	Level 1	
18,600.00	7,260.22	18,414.68	7,085.02	330.61	330.99	-40.19	-192.17	-10,279.88	229.42	-229.52	458.94	0.500	Level 1	
18,700.00	7,260.41	18,514.64	7,085.25	333.44	333.83	-39.63	-192.70	-10,379.83	227.47	-231.25	458.72	0.496	Level 1	
18,800.00	7,260.59	18,614.60	7,085.48	336.27	336.67	-39.05	-193.22	-10,479.79	225.54	-232.79	458.32	0.492	Level 1	
18,900.00	7,260.77	18,714.55	7,085.71	339.10	339.51	-38.47	-193.75	-10,579.74	223.63	-234.13	457.76	0.489	Level 1	
19,000.00	7,260.95	18,814.51	7,085.94	341.93	342.36	-37.87	-194.27	-10,679.69	221.75	-235.28	457.03	0.485	Level 1	
19,025.91	7,261.00	18,840.41	7,086.00	342.66	343.09	-37.71	-194.40	-10,705.59	221.27	-235.55	456.81	0.484	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-60.11	-0.56	60.11					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-60.11	-0.56	60.11	53.54	6.57	9.150		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-60.11	-0.56	60.11	53.44	6.67	9.007 CC, ES		
300.00	299.98	298.97	298.95	3.44	3.44	90.03	-60.97	0.92	60.96	54.07	6.88	8.854		
400.00	399.84	397.90	397.74	3.60	3.59	90.62	-63.53	5.36	63.50	56.30	7.20	8.824		
500.00	499.45	496.73	496.20	3.81	3.79	91.49	-67.79	12.74	67.74	60.13	7.60	8.910		
600.00	598.70	595.44	594.19	4.05	4.03	92.54	-73.73	23.04	73.69	65.59	8.09	9.105		
700.00	697.47	693.97	691.53	4.34	4.31	93.65	-81.35	36.23	81.36	72.70	8.66	9.393		
800.00	795.62	792.29	788.08	4.66	4.63	94.72	-90.61	52.28	90.74	81.44	9.30	9.755		
849.22	843.68	840.59	835.26	4.84	4.80	95.22	-95.77	61.21	95.99	86.35	9.64	9.954		
900.00	893.16	909.30	884.05	5.02	5.05	95.64	-101.49	71.11	101.75	91.68	10.08	10.095		
1,000.00	990.60	1,009.96	980.72	5.41	5.46	96.24	-112.92	90.92	113.20	102.34	10.85	10.428		
1,100.00	1,088.05	1,089.37	1,077.39	5.83	5.79	96.73	-124.36	110.72	124.65	113.06	11.59	10.759		
1,200.00	1,185.49	1,188.71	1,174.06	6.26	6.22	97.13	-135.79	130.53	136.11	123.68	12.43	10.949		
1,300.00	1,282.93	1,288.05	1,270.73	6.70	6.66	97.48	-147.23	150.33	147.57	134.27	13.31	11.091		
1,400.00	1,380.37	1,387.38	1,367.40	7.15	7.12	97.77	-158.66	170.14	159.04	144.84	14.20	11.197		
1,500.00	1,477.82	1,486.72	1,464.07	7.62	7.59	98.02	-170.10	189.94	170.51	155.39	15.12	11.277		
1,600.00	1,575.26	1,586.06	1,560.73	8.09	8.06	98.25	-181.53	209.75	181.99	165.93	16.05	11.336		
1,700.00	1,672.70	1,685.40	1,657.40	8.57	8.54	98.44	-192.96	229.55	193.46	176.46	17.00	11.380		
1,800.00	1,770.15	1,784.73	1,754.07	9.05	9.03	98.61	-204.40	249.36	204.94	186.99	17.96	11.412		
1,900.00	1,867.59	1,884.07	1,850.74	9.54	9.52	98.77	-215.83	269.16	216.43	197.50	18.93	11.435		
2,000.00	1,965.03	1,983.41	1,947.41	10.03	10.02	98.91	-227.27	288.97	227.91	208.01	19.90	11.452		
2,100.00	2,062.48	2,082.74	2,044.08	10.53	10.52	99.04	-238.70	308.78	239.39	218.51	20.88	11.463		
2,200.00	2,159.92	2,182.08	2,140.75	11.03	11.02	99.15	-250.14	328.58	250.88	229.01	21.87	11.470		
2,300.00	2,257.36	2,281.42	2,237.42	11.53	11.53	99.26	-261.57	348.39	262.36	239.50	22.87	11.474		
2,400.00	2,354.81	2,380.76	2,334.08	12.03	12.03	99.35	-273.01	368.19	273.85	249.99	23.86	11.475		
2,500.00	2,452.25	2,480.09	2,430.75	12.54	12.54	99.44	-284.44	388.00	285.34	260.47	24.87	11.475		
2,600.00	2,549.69	2,579.43	2,527.42	13.04	13.06	99.52	-295.88	407.80	296.83	270.95	25.87	11.472		
2,700.00	2,647.13	2,678.77	2,624.09	13.55	13.57	99.60	-307.31	427.61	308.31	281.43	26.88	11.469		
2,800.00	2,744.58	2,778.10	2,720.76	14.06	14.08	99.67	-318.75	447.41	319.80	291.91	27.89	11.465		
2,900.00	2,842.02	2,877.44	2,817.43	14.57	14.60	99.73	-330.18	467.22	331.29	302.38	28.91	11.460		
3,000.00	2,939.46	2,976.78	2,914.10	15.09	15.11	99.79	-341.62	487.02	342.78	312.86	29.93	11.455		
3,100.00	3,036.91	3,076.12	3,010.77	15.60	15.63	99.85	-353.05	506.83	354.27	323.33	30.94	11.449		
3,200.00	3,134.35	3,175.45	3,107.43	16.11	16.15	99.90	-364.48	526.64	365.76	333.80	31.96	11.443		
3,300.00	3,231.79	3,274.79	3,204.10	16.63	16.67	99.95	-375.92	546.44	377.25	344.27	32.99	11.436		
3,400.00	3,329.24	3,374.13	3,300.77	17.14	17.19	100.00	-387.35	566.25	388.75	354.73	34.01	11.430		
3,500.00	3,426.68	3,473.46	3,397.44	17.66	17.71	100.04	-398.79	586.05	400.24	365.20	35.04	11.423		
3,600.00	3,524.12	3,572.80	3,494.11	18.18	18.23	100.08	-410.22	605.86	411.73	375.67	36.06	11.417		
3,700.00	3,621.57	3,672.14	3,590.78	18.69	18.75	100.12	-421.66	625.66	423.22	386.13	37.09	11.410		
3,800.00	3,719.01	3,771.47	3,687.45	19.21	19.27	100.16	-433.09	645.47	434.71	396.59	38.12	11.404		
3,900.00	3,816.45	3,870.81	3,784.12	19.73	19.80	100.20	-444.53	665.27	446.20	407.06	39.15	11.398		
4,000.00	3,913.90	3,970.15	3,880.78	20.25	20.32	100.23	-455.96	685.08	457.70	417.52	40.18	11.391		
4,100.00	4,011.34	4,069.49	3,977.45	20.77	20.84	100.26	-467.40	704.88	469.19	427.98	41.21	11.385		
4,200.00	4,108.78	4,168.82	4,074.12	21.29	21.37	100.29	-478.82	724.69	480.68	438.44	42.24	11.379		
4,300.00	4,206.22	4,268.16	4,170.79	21.81	21.89	100.32	-490.27	744.49	492.17	448.90	43.28	11.373		
4,400.00	4,303.67	4,367.50	4,267.46	22.33	22.42	100.35	-501.70	764.30	503.67	459.36	44.31	11.367		
4,500.00	4,401.11	4,466.83	4,364.13	22.85	22.94	100.38	-513.14	784.11	515.16	469.82	45.34	11.361		
4,600.00	4,498.55	4,566.17	4,460.80	23.37	23.47	100.40	-524.57	803.91	526.65	480.27	46.38	11.355		
4,700.00	4,596.00	4,665.51	4,557.47	23.89	23.99	100.43	-536.00	823.72	538.15	490.73	47.42	11.350		
4,800.00	4,693.44	4,764.85	4,654.13	24.41	24.52	100.45	-547.44	843.52	549.64	501.19	48.45	11.344		
4,900.00	4,790.88	4,864.18	4,750.80	24.93	25.05	100.47	-558.87	863.33	561.13	511.65	49.49	11.339		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,963.52	4,847.47	25.46	25.57	100.49	-570.31	883.13	572.63	522.10	50.52	11.334		
5,100.00	4,985.77	5,062.86	4,944.14	25.98	26.10	100.51	-581.74	902.94	584.12	532.56	51.56	11.328		
5,200.00	5,083.21	5,162.19	5,040.81	26.50	26.63	100.53	-593.18	922.74	595.61	543.01	52.60	11.323		
5,300.00	5,180.66	5,261.53	5,137.48	27.02	27.15	100.55	-604.61	942.55	607.11	553.47	53.64	11.319		
5,400.00	5,278.10	5,360.87	5,234.15	27.55	27.68	100.57	-616.05	962.35	618.60	563.92	54.68	11.314		
5,500.00	5,375.54	5,460.21	5,330.82	28.07	28.21	100.59	-627.48	982.16	630.09	574.38	55.72	11.309		
5,582.90	5,456.32	5,542.55	5,410.95	28.50	28.64	100.60	-636.96	998.58	639.62	583.05	56.58	11.305		
5,600.00	5,473.00	5,559.54	5,427.49	28.59	28.73	100.64	-638.92	1,001.97	641.58	584.83	56.75	11.305		
5,700.00	5,570.93	5,658.90	5,524.18	29.10	29.26	100.67	-650.35	1,021.78	652.64	594.88	57.77	11.297		
5,800.00	5,669.52	5,758.20	5,620.81	29.57	29.79	100.40	-661.78	1,041.57	663.09	604.34	58.75	11.287		
5,900.00	5,768.62	5,857.31	5,717.26	30.03	30.32	99.84	-673.19	1,061.33	673.00	613.30	59.69	11.274		
6,000.00	5,868.13	5,956.13	5,813.42	30.45	30.84	99.01	-684.57	1,081.03	682.47	621.87	60.60	11.262		
6,100.00	5,967.93	6,054.51	5,909.16	30.86	31.36	97.93	-695.89	1,100.65	691.68	630.21	61.47	11.253		
6,200.00	6,067.88	6,152.36	6,004.38	31.24	31.89	96.61	-707.16	1,120.16	700.82	638.53	62.29	11.251		
6,232.12	6,100.00	6,183.65	6,034.83	31.36	32.05	-173.15	-710.76	1,126.40	703.79	641.24	62.55	11.252		
6,300.00	6,167.88	6,249.71	6,099.11	31.61	32.40	-174.28	-718.36	1,139.57	710.22	647.14	63.08	11.259		
6,400.00	6,267.88	6,347.02	6,193.81	31.97	32.92	-175.92	-729.56	1,158.97	720.20	656.35	63.86	11.278		
6,500.00	6,367.88	6,444.33	6,288.51	32.34	33.44	-177.50	-740.77	1,178.37	730.78	666.15	64.63	11.307		
6,600.00	6,467.88	6,542.32	6,383.94	32.70	33.96	-179.03	-752.04	1,197.55	741.91	676.50	65.41	11.343		
6,700.00	6,567.88	6,645.37	6,485.84	33.07	34.41	-179.72	-763.57	1,206.40	753.06	686.85	66.21	11.375		
6,736.50	6,604.38	6,683.36	6,523.59	33.21	34.55	-179.66	-767.66	1,205.47	756.99	690.50	66.49	11.385		
6,750.00	6,617.88	6,697.37	6,537.49	33.25	34.59	-92.37	-769.14	1,204.56	758.44	691.84	66.59	11.389		
6,800.00	6,667.77	6,749.14	6,588.62	33.43	34.76	-91.67	-774.47	1,198.52	763.79	696.82	66.97	11.406		
6,850.00	6,717.28	6,800.68	6,638.88	33.60	34.92	-90.97	-779.53	1,188.38	769.13	701.79	67.34	11.421		
6,900.00	6,766.09	6,852.00	6,687.98	33.79	35.08	-90.26	-784.28	1,174.26	774.44	706.71	67.73	11.434		
6,950.00	6,813.90	6,903.09	6,735.59	33.99	35.25	-89.57	-788.71	1,156.31	779.67	711.53	68.14	11.443		
7,000.00	6,860.42	6,953.95	6,781.44	34.20	35.43	-88.88	-792.79	1,134.69	784.80	716.23	68.57	11.446		
7,050.00	6,905.36	7,004.59	6,825.25	34.42	35.63	-88.20	-796.49	1,109.60	789.80	720.77	69.03	11.441		
7,100.00	6,948.45	7,055.01	6,866.77	34.67	35.85	-87.54	-799.80	1,081.22	794.63	725.10	69.53	11.429		
7,150.00	6,989.41	7,105.21	6,905.79	34.94	36.08	-86.91	-802.71	1,049.78	799.26	729.19	70.07	11.407		
7,200.00	7,028.00	7,155.20	6,942.08	35.24	36.35	-86.29	-805.19	1,015.52	803.67	733.01	70.66	11.374		
7,250.00	7,063.98	7,204.97	6,975.47	35.56	36.64	-85.71	-807.24	978.68	807.83	736.52	71.31	11.329		
7,300.00	7,097.13	7,254.55	7,005.78	35.92	36.96	-85.15	-808.86	939.50	811.71	739.70	72.02	11.271		
7,350.00	7,127.23	7,303.92	7,032.88	36.32	37.32	-84.63	-810.03	898.26	815.30	742.50	72.80	11.199		
7,400.00	7,154.12	7,353.10	7,056.64	36.75	37.71	-84.14	-810.76	855.22	818.55	744.91	73.65	11.115		
7,450.00	7,177.61	7,402.09	7,076.97	37.22	38.14	-83.69	-811.05	810.66	821.46	746.90	74.57	11.016		
7,500.00	7,197.57	7,450.90	7,093.77	37.73	38.60	-83.28	-810.90	764.85	824.01	748.45	75.56	10.905		
7,550.00	7,213.88	7,499.53	7,107.00	38.28	39.11	-82.92	-810.31	718.07	826.18	749.56	76.62	10.782		
7,600.00	7,226.42	7,547.98	7,116.62	38.87	39.64	-82.59	-809.31	670.60	827.95	750.20	77.75	10.649		
7,650.00	7,235.13	7,596.28	7,122.60	39.48	40.20	-82.31	-807.88	622.71	829.32	750.39	78.92	10.508		
7,700.00	7,239.95	7,644.42	7,124.96	40.12	40.78	-82.07	-806.05	574.68	830.27	750.13	80.14	10.360		
7,735.44	7,241.00	7,679.61	7,125.07	40.59	41.22	-81.98	-804.54	539.51	830.67	749.61	81.06	10.248		
7,800.00	7,241.11	7,744.17	7,125.22	41.47	42.10	-81.99	-801.75	475.02	831.15	748.30	82.85	10.032		
7,900.00	7,241.27	7,844.17	7,125.46	42.96	43.56	-82.00	-797.44	375.11	831.89	746.05	85.84	9.692		
8,000.00	7,241.44	7,944.16	7,125.70	44.59	45.16	-82.01	-793.13	275.21	832.63	743.54	89.09	9.346		
8,100.00	7,241.61	8,044.16	7,125.94	46.34	46.89	-82.02	-788.82	175.31	833.37	740.79	92.58	9.002		
8,200.00	7,241.77	8,144.16	7,126.18	48.20	48.73	-82.03	-784.51	75.40	834.12	737.83	96.28	8.663		
8,300.00	7,241.94	8,244.15	7,126.42	50.16	50.67	-82.05	-780.20	-24.50	834.86	734.69	100.17	8.334		
8,400.00	7,242.11	8,344.15	7,126.66	52.20	52.70	-82.06	-775.89	-124.41	835.60	731.37	104.22	8.017		
8,500.00	7,242.27	8,444.15	7,126.90	54.31	54.81	-82.07	-771.57	-224.31	836.34	727.91	108.43	7.713		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	8,544.15	7,127.14	56.49	56.98	-82.08	-767.26	-324.21	837.08	724.32	112.76	7.423		
8,700.00	7,242.60	8,644.14	7,127.38	58.73	59.21	-82.10	-762.95	-424.12	837.83	720.61	117.21	7.148		
8,800.00	7,242.77	8,731.83	7,127.59	61.03	61.21	-82.11	-759.48	-511.73	838.97	717.53	121.44	6.908		
8,900.00	7,242.94	8,809.26	7,127.78	63.37	63.00	-82.14	-758.34	-589.15	842.52	717.09	125.43	6.717		
9,000.00	7,243.10	8,900.19	7,127.99	65.75	65.13	-82.19	-759.05	-679.70	848.28	718.42	129.85	6.533		
9,100.00	7,243.27	8,999.62	7,128.23	68.18	67.49	-82.25	-760.03	-779.51	854.26	719.64	134.62	6.346		
9,200.00	7,243.44	9,100.56	7,128.47	70.63	69.92	-82.31	-761.01	-879.32	860.25	720.75	139.49	6.167		
9,300.00	7,243.60	9,200.74	7,128.71	73.12	72.37	-82.37	-761.99	-979.13	866.23	721.82	144.41	5.998		
9,400.00	7,243.77	9,300.93	7,128.95	75.63	74.85	-82.43	-762.97	-1,078.94	872.22	722.84	149.38	5.839		
9,500.00	7,243.94	9,401.11	7,129.19	78.17	77.36	-82.48	-763.95	-1,178.76	878.21	723.80	154.41	5.688		
9,600.00	7,244.10	9,501.29	7,129.43	80.73	79.89	-82.54	-764.93	-1,278.57	884.20	724.72	159.48	5.544		
9,700.00	7,244.27	9,601.48	7,129.67	83.31	82.44	-82.60	-765.91	-1,378.38	890.19	725.60	164.59	5.409		
9,800.00	7,244.44	9,701.66	7,129.91	85.91	85.02	-82.65	-766.89	-1,478.19	896.18	726.44	169.74	5.280		
9,900.00	7,244.60	9,801.84	7,130.15	88.53	87.61	-82.70	-767.87	-1,578.00	902.17	727.25	174.92	5.157		
10,000.00	7,244.77	9,902.03	7,130.39	91.16	90.22	-82.76	-768.85	-1,677.81	908.17	728.02	180.14	5.041		
10,100.00	7,244.94	10,002.21	7,130.63	93.81	92.84	-82.81	-769.83	-1,777.63	914.16	728.77	185.39	4.931		
10,200.00	7,245.10	10,102.39	7,130.86	96.46	95.48	-82.86	-770.81	-1,877.44	920.15	729.49	190.66	4.826		
10,300.00	7,245.27	10,202.58	7,131.10	99.14	98.12	-82.91	-771.79	-1,977.25	926.15	730.19	195.96	4.726		
10,400.00	7,245.43	10,302.76	7,131.34	101.82	100.79	-82.96	-772.77	-2,077.06	932.15	730.86	201.28	4.631		
10,500.00	7,245.60	10,402.94	7,131.58	104.51	103.46	-83.01	-773.75	-2,176.87	938.14	731.52	206.62	4.540		
10,600.00	7,245.77	10,503.12	7,131.82	107.21	106.14	-83.06	-774.73	-2,276.68	944.14	732.15	211.99	4.454		
10,700.00	7,245.93	10,603.31	7,132.06	109.92	108.83	-83.11	-775.71	-2,376.50	950.14	732.77	217.37	4.371		
10,800.00	7,246.10	10,696.51	7,132.30	112.64	111.34	-83.16	-776.69	-2,476.31	956.14	733.56	222.58	4.296		
10,900.00	7,246.27	10,796.33	7,132.54	115.37	114.04	-83.20	-777.67	-2,576.12	962.13	734.16	227.98	4.220		
11,000.00	7,246.43	10,903.86	7,132.78	118.10	116.96	-83.25	-778.65	-2,675.93	968.13	734.53	233.61	4.144		
11,100.00	7,246.60	10,995.96	7,133.02	120.84	119.46	-83.30	-779.63	-2,775.74	974.14	735.31	238.83	4.079		
11,200.00	7,246.77	11,104.22	7,133.26	123.58	122.41	-83.34	-780.61	-2,875.55	980.14	735.63	244.50	4.009		
11,300.00	7,246.93	11,204.41	7,133.49	126.34	125.14	-83.39	-781.59	-2,975.37	986.14	736.17	249.97	3.945		
11,340.34	7,247.00	11,235.86	7,133.59	127.45	126.00	-83.41	-781.99	-3,015.63	988.56	736.63	251.93	3.924		
11,400.00	7,247.10	11,304.56	7,133.73	129.09	127.88	-83.43	-782.57	-3,075.21	991.52	736.08	255.44	3.882		
11,500.00	7,247.27	11,404.59	7,133.97	131.84	130.62	-83.45	-783.55	-3,175.18	993.73	732.82	260.91	3.809		
11,586.15	7,247.43	11,481.55	7,134.18	134.20	132.74	-83.45	-784.40	-3,261.31	992.85	727.49	265.36	3.742		
11,600.00	7,247.45	11,504.60	7,134.21	134.57	133.37	-83.44	-784.54	-3,275.16	992.50	726.14	266.36	3.726		
11,700.00	7,247.64	11,604.63	7,134.45	137.31	136.12	-83.43	-785.52	-3,375.12	989.98	718.17	271.82	3.642		
11,800.00	7,247.82	11,704.66	7,134.69	140.05	138.88	-83.42	-786.50	-3,475.08	987.47	710.19	277.28	3.561		
11,900.00	7,248.00	11,804.70	7,134.93	142.79	141.64	-83.40	-787.48	-3,575.05	984.95	702.20	282.75	3.483		
12,000.00	7,248.18	11,904.73	7,135.17	145.53	144.40	-83.39	-788.46	-3,675.01	982.44	694.21	288.23	3.409		
12,100.00	7,248.37	11,995.24	7,135.41	148.28	146.90	-83.38	-789.44	-3,774.97	979.92	686.47	293.45	3.339		
12,200.00	7,248.55	12,104.79	7,135.65	151.04	149.94	-83.36	-790.43	-3,874.94	977.41	678.20	299.20	3.267		
12,300.00	7,248.73	12,204.82	7,135.89	153.80	152.71	-83.35	-791.41	-3,974.90	974.89	670.19	304.70	3.200		
12,400.00	7,248.91	12,295.15	7,136.13	156.56	155.22	-83.33	-792.39	-4,074.86	972.37	662.44	309.93	3.137		
12,500.00	7,249.10	12,404.89	7,136.37	159.32	158.27	-83.32	-793.37	-4,174.83	969.86	654.15	315.71	3.072		
12,600.00	7,249.28	12,504.92	7,136.61	162.09	161.05	-83.31	-794.35	-4,274.79	967.34	646.12	321.22	3.011		
12,700.00	7,249.46	12,604.95	7,136.85	164.86	163.83	-83.29	-795.33	-4,374.75	964.83	638.09	326.74	2.953		
12,800.00	7,249.64	12,704.98	7,137.09	167.63	166.62	-83.28	-796.31	-4,474.71	962.31	630.06	332.26	2.896		
12,900.00	7,249.83	12,805.01	7,137.33	170.40	169.41	-83.26	-797.30	-4,574.68	959.80	622.01	337.78	2.841		
13,000.00	7,250.01	12,905.05	7,137.57	173.18	172.20	-83.25	-798.28	-4,674.64	957.28	613.97	343.31	2.788		
13,100.00	7,250.19	13,005.08	7,137.81	175.96	175.00	-83.24	-799.26	-4,774.60	954.77	605.92	348.85	2.737		
13,200.00	7,250.37	13,094.89	7,138.04	178.74	177.51	-83.22	-800.24	-4,874.57	952.25	598.15	354.10	2.689		
13,300.00	7,250.56	13,205.14	7,138.28	181.52	180.59	-83.21	-801.22	-4,974.53	949.74	589.81	359.93	2.639		
13,400.00	7,250.74	13,305.17	7,138.52	184.31	183.39	-83.19	-802.20	-5,074.49	947.23	581.76	365.47	2.592		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,500.00	7,250.92	13,405.21	7,138.76	187.09	186.19	-83.18	-803.19	-5,174.45	944.71	573.69	371.02	2.546		
13,600.00	7,251.10	13,505.24	7,139.00	189.88	189.00	-83.16	-804.17	-5,274.42	942.20	565.63	376.57	2.502		
13,700.00	7,251.29	13,605.27	7,139.24	192.67	191.80	-83.15	-805.15	-5,374.38	939.68	557.56	382.12	2.459		
13,800.00	7,251.47	13,705.30	7,139.48	195.47	194.61	-83.13	-806.13	-5,474.34	937.17	549.49	387.67	2.417		
13,900.00	7,251.65	13,805.33	7,139.72	198.26	197.42	-83.12	-807.11	-5,574.31	934.65	541.42	393.23	2.377		
14,000.00	7,251.83	13,905.37	7,139.96	201.05	200.23	-83.10	-808.09	-5,674.27	932.14	533.35	398.79	2.337		
14,100.00	7,252.01	14,005.40	7,140.20	203.85	203.04	-83.09	-809.07	-5,774.23	929.62	525.27	404.35	2.299		
14,200.00	7,252.20	14,105.43	7,140.44	206.65	205.85	-83.07	-810.06	-5,874.20	927.11	517.19	409.92	2.262		
14,300.00	7,252.38	14,205.46	7,140.68	209.45	208.66	-83.06	-811.04	-5,974.16	924.60	509.11	415.48	2.225		
14,400.00	7,252.56	14,305.49	7,140.92	212.25	211.48	-83.04	-812.02	-6,074.12	922.08	501.03	421.05	2.190		
14,500.00	7,252.74	14,405.53	7,141.16	215.05	214.29	-83.03	-813.00	-6,174.08	919.57	492.94	426.62	2.155		
14,600.00	7,252.93	14,505.56	7,141.40	217.86	217.11	-83.01	-813.98	-6,274.05	917.05	484.86	432.19	2.122		
14,700.00	7,253.11	14,605.59	7,141.64	220.66	219.93	-82.99	-814.96	-6,374.01	914.54	476.77	437.77	2.089		
14,800.00	7,253.29	14,705.62	7,141.88	223.47	222.75	-82.98	-815.95	-6,473.97	912.03	468.68	443.34	2.057		
14,900.00	7,253.47	14,805.65	7,142.12	226.27	225.57	-82.96	-816.93	-6,573.94	909.51	460.59	448.92	2.026		
15,000.00	7,253.66	14,905.68	7,142.36	229.08	228.39	-82.95	-817.91	-6,673.90	907.00	452.50	454.50	1.996		
15,100.00	7,253.84	15,005.72	7,142.59	231.89	231.21	-82.93	-818.89	-6,773.86	904.48	444.41	460.08	1.966		
15,200.00	7,254.02	15,105.75	7,142.83	234.70	234.03	-82.91	-819.87	-6,873.83	901.97	436.31	465.66	1.937		
15,300.00	7,254.20	15,205.78	7,143.07	237.51	236.86	-82.90	-820.85	-6,973.79	899.46	428.22	471.24	1.909		
15,400.00	7,254.39	15,305.81	7,143.31	240.32	239.68	-82.88	-821.83	-7,073.75	896.94	420.12	476.82	1.881		
15,500.00	7,254.57	15,405.84	7,143.55	243.13	242.51	-82.87	-822.82	-7,173.71	894.43	412.03	482.41	1.854		
15,600.00	7,254.75	15,505.88	7,143.79	245.94	245.33	-82.85	-823.80	-7,273.68	891.92	403.93	487.99	1.828		
15,700.00	7,254.93	15,605.91	7,144.03	248.76	248.16	-82.83	-824.78	-7,373.64	889.40	395.83	493.58	1.802		
15,800.00	7,255.12	15,705.94	7,144.27	251.57	250.99	-82.82	-825.76	-7,473.60	886.89	387.73	499.16	1.777		
15,900.00	7,255.30	15,805.97	7,144.51	254.39	253.81	-82.80	-826.74	-7,573.57	884.38	379.63	504.75	1.752		
16,000.00	7,255.48	15,906.00	7,144.75	257.20	256.64	-82.78	-827.72	-7,673.53	881.87	371.53	510.34	1.728		
16,100.00	7,255.66	16,006.04	7,144.99	260.02	259.47	-82.76	-828.71	-7,773.49	879.35	363.42	515.93	1.704		
16,200.00	7,255.85	16,106.07	7,145.23	262.84	262.30	-82.75	-829.69	-7,873.46	876.84	355.32	521.52	1.681		
16,300.00	7,256.03	16,206.10	7,145.47	265.65	265.13	-82.73	-830.67	-7,973.42	874.33	347.22	527.11	1.659		
16,400.00	7,256.21	16,306.13	7,145.71	268.47	267.96	-82.71	-831.65	-8,073.38	871.81	339.11	532.70	1.637		
16,500.00	7,256.39	16,406.16	7,145.95	271.29	270.79	-82.70	-832.63	-8,173.34	869.30	331.01	538.29	1.615		
16,600.00	7,256.58	16,506.20	7,146.19	274.11	273.63	-82.68	-833.61	-8,273.31	866.79	322.91	543.88	1.594		
16,700.00	7,256.76	16,606.23	7,146.43	276.93	276.46	-82.66	-834.59	-8,373.27	864.28	314.80	549.48	1.573		
16,800.00	7,256.94	16,706.26	7,146.67	279.75	279.29	-82.64	-835.58	-8,473.23	861.77	306.69	555.07	1.553		
16,900.00	7,257.12	16,806.29	7,146.91	282.57	282.13	-82.63	-836.56	-8,573.20	859.25	298.59	560.66	1.533		
17,000.00	7,257.30	16,906.32	7,147.15	285.40	284.96	-82.61	-837.54	-8,673.16	856.74	290.48	566.26	1.513		
17,100.00	7,257.49	17,006.36	7,147.38	288.22	287.80	-82.59	-838.52	-8,773.12	854.23	282.38	571.85	1.494 Level 3		
17,200.00	7,257.67	17,106.39	7,147.62	291.04	290.63	-82.57	-839.50	-8,873.09	851.72	274.27	577.45	1.475 Level 3		
17,300.00	7,257.85	17,206.42	7,147.86	293.87	293.47	-82.55	-840.48	-8,973.05	849.20	266.16	583.04	1.457 Level 3		
17,400.00	7,258.03	17,306.45	7,148.10	296.69	296.30	-82.53	-841.47	-9,073.01	846.69	258.06	588.64	1.438 Level 3		
17,500.00	7,258.22	17,406.48	7,148.34	299.51	299.14	-82.52	-842.45	-9,172.97	844.18	249.95	594.23	1.421 Level 3		
17,600.00	7,258.40	17,506.51	7,148.58	302.34	301.98	-82.50	-843.43	-9,272.94	841.67	241.84	599.83	1.403 Level 3		
17,700.00	7,258.58	17,606.55	7,148.82	305.16	304.81	-82.48	-844.41	-9,372.90	839.16	233.73	605.42	1.386 Level 3		
17,800.00	7,258.76	17,706.58	7,149.06	307.99	307.65	-82.46	-845.39	-9,472.86	836.65	225.63	611.02	1.369 Level 3		
17,900.00	7,258.95	17,806.61	7,149.30	310.82	310.49	-82.44	-846.37	-9,572.83	834.14	217.52	616.62	1.353 Level 3		
18,000.00	7,259.13	17,906.64	7,149.54	313.64	313.33	-82.42	-847.35	-9,672.79	831.62	209.41	622.21	1.337 Level 3		
18,100.00	7,259.31	18,006.67	7,149.78	316.47	316.17	-82.40	-848.34	-9,772.75	829.11	201.31	627.81	1.321 Level 3		
18,200.00	7,259.49	18,106.71	7,150.02	319.30	319.00	-82.38	-849.32	-9,872.71	826.60	193.20	633.40	1.305 Level 3		
18,300.00	7,259.68	18,206.74	7,150.26	322.12	321.84	-82.37	-850.30	-9,972.68	824.09	185.09	639.00	1.290 Level 3		
18,400.00	7,259.86	18,306.77	7,150.50	324.95	324.68	-82.35	-851.28	-10,072.64	821.58	176.99	644.60	1.275 Level 3		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,500.00	7,260.04	18,406.80	7,150.74	327.78	327.52	-82.33	-852.26	-10,172.60	819.07	168.88	650.19	1.260	Level 3	
18,600.00	7,260.22	18,493.17	7,150.98	330.61	329.98	-82.31	-853.24	-10,272.57	816.56	161.16	655.40	1.246	Level 2	
18,700.00	7,260.41	18,606.87	7,151.22	333.44	333.20	-82.29	-854.23	-10,372.53	814.05	152.67	661.38	1.231	Level 2	
18,800.00	7,260.59	18,706.90	7,151.46	336.27	336.04	-82.27	-855.21	-10,472.49	811.54	144.56	666.98	1.217	Level 2	
18,900.00	7,260.77	18,806.93	7,151.70	339.10	338.89	-82.25	-856.19	-10,572.46	809.03	136.45	672.57	1.203	Level 2	
19,000.00	7,260.95	18,893.04	7,151.94	341.93	341.33	-82.23	-857.17	-10,672.42	806.52	128.74	677.78	1.190	Level 2	
19,025.91	7,261.00	18,918.94	7,152.00	342.66	342.07	-82.22	-857.42	-10,698.32	805.87	126.64	679.23	1.186	Level 2, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
0.00	0.00	0.00	0.00	3.28	3.28	-179.39	-105.29	-1.11	105.29								
100.00	100.00	100.00	100.00	3.28	3.28	-179.39	-105.29	-1.11	105.29	98.73	6.57	16.028					
200.00	200.00	200.00	200.00	3.34	3.34	-179.39	-105.29	-1.11	105.29	98.62	6.67	15.777					
233.24	233.24	233.24	233.24	3.37	3.37	90.00	-105.29	-1.11	105.29	98.56	6.73	15.638	CC				
300.00	299.98	299.98	299.98	3.44	3.44	90.84	-105.29	-1.11	105.31	98.42	6.89	15.290	ES				
400.00	399.84	397.40	397.38	3.60	3.59	92.93	-106.49	0.03	106.66	99.46	7.19	14.826					
500.00	499.45	494.76	494.61	3.81	3.78	95.35	-110.08	3.45	110.67	103.08	7.59	14.580					
600.00	598.70	591.96	591.45	4.05	4.01	97.92	-116.05	9.14	117.44	109.37	8.07	14.551					
700.00	697.47	688.90	687.71	4.34	4.26	100.43	-124.38	17.06	127.01	118.38	8.62	14.729					
800.00	795.62	785.49	783.17	4.66	4.55	102.73	-135.01	27.19	139.38	130.14	9.24	15.083					
849.22	843.68	832.87	829.81	4.84	4.71	103.76	-141.07	32.97	146.50	136.93	9.57	15.310					
900.00	893.16	881.67	877.68	5.02	4.88	104.74	-147.90	39.47	154.43	144.51	9.92	15.569					
1,000.00	990.60	977.53	971.23	5.41	5.23	105.68	-163.04	53.88	171.35	160.70	10.65	16.094					
1,100.00	1,088.05	1,072.89	1,063.55	5.83	5.62	105.59	-180.33	70.35	189.87	178.45	11.42	16.627					
1,200.00	1,185.49	1,168.88	1,155.69	6.26	6.04	104.79	-199.81	88.90	209.88	197.65	12.23	17.158					
1,300.00	1,282.93	1,266.73	1,249.45	6.70	6.49	103.98	-220.09	108.21	230.24	217.15	13.09	17.590					
1,400.00	1,380.37	1,364.59	1,343.22	7.15	6.96	103.30	-240.37	127.53	250.63	236.66	13.97	17.937					
1,500.00	1,477.82	1,462.45	1,436.98	7.62	7.44	102.73	-260.65	146.84	271.05	256.17	14.88	18.217					
1,600.00	1,575.26	1,560.31	1,530.75	8.09	7.94	102.23	-280.93	166.15	291.50	275.69	15.80	18.445					
1,700.00	1,672.70	1,658.17	1,624.52	8.57	8.44	101.81	-301.22	185.47	311.96	295.21	16.74	18.631					
1,800.00	1,770.15	1,756.03	1,718.28	9.05	8.96	101.43	-321.50	204.78	332.43	314.74	17.70	18.785					
1,900.00	1,867.59	1,853.89	1,812.05	9.54	9.48	101.10	-341.78	224.09	352.92	334.26	18.66	18.913					
2,000.00	1,965.03	1,951.75	1,905.81	10.03	10.01	100.80	-362.06	243.41	373.42	353.79	19.63	19.020					
2,100.00	2,062.48	2,049.61	1,999.58	10.53	10.54	100.53	-382.34	262.72	393.93	373.31	20.61	19.109					
2,200.00	2,159.92	2,147.47	2,093.35	11.03	11.07	100.30	-402.62	282.04	414.44	392.84	21.60	19.185					
2,300.00	2,257.36	2,245.33	2,187.11	11.53	11.61	100.08	-422.90	301.35	434.97	412.37	22.60	19.249					
2,400.00	2,354.81	2,343.19	2,280.88	12.03	12.16	99.88	-443.19	320.66	455.49	431.90	23.60	19.304					
2,500.00	2,452.25	2,441.04	2,374.64	12.54	12.70	99.70	-463.47	339.98	476.02	451.42	24.60	19.350					
2,600.00	2,549.69	2,538.90	2,468.41	13.04	13.25	99.54	-483.75	359.29	496.56	470.95	25.61	19.391					
2,700.00	2,647.13	2,636.76	2,562.18	13.55	13.80	99.38	-504.03	378.60	517.10	490.48	26.62	19.425					
2,800.00	2,744.58	2,734.62	2,655.94	14.06	14.35	99.24	-524.31	397.92	537.64	510.00	27.63	19.455					
2,900.00	2,842.02	2,832.48	2,749.71	14.57	14.90	99.11	-544.59	417.23	558.18	529.53	28.65	19.481					
3,000.00	2,939.46	2,930.34	2,843.47	15.09	15.46	98.99	-564.87	436.55	578.73	549.06	29.67	19.504					
3,100.00	3,036.91	3,028.20	2,937.24	15.60	16.01	98.88	-585.16	455.86	599.28	568.59	30.69	19.524					
3,200.00	3,134.35	3,126.06	3,031.01	16.11	16.57	98.77	-605.44	475.17	619.83	588.11	31.72	19.541					
3,300.00	3,231.79	3,223.92	3,124.77	16.63	17.13	98.68	-625.72	494.49	640.39	607.64	32.75	19.556					
3,400.00	3,329.24	3,321.78	3,218.54	17.14	17.69	98.58	-646.00	513.80	660.94	627.17	33.77	19.569					
3,500.00	3,426.68	3,419.64	3,312.30	17.66	18.25	98.50	-666.28	533.11	681.50	646.70	34.80	19.581					
3,600.00	3,524.12	3,517.50	3,406.07	18.18	18.81	98.42	-686.56	552.43	702.06	666.22	35.84	19.591					
3,700.00	3,621.57	3,615.35	3,499.84	18.69	19.37	98.34	-706.84	571.74	722.62	685.75	36.87	19.600					
3,800.00	3,719.01	3,713.21	3,593.60	19.21	19.93	98.27	-727.13	591.05	743.18	705.28	37.90	19.608					
3,900.00	3,816.45	3,811.07	3,687.37	19.73	20.50	98.20	-747.41	610.37	763.74	724.80	38.94	19.615					
4,000.00	3,913.90	3,908.93	3,781.13	20.25	21.06	98.13	-767.69	629.68	784.30	744.33	39.97	19.621					
4,100.00	4,011.34	4,006.79	3,874.90	20.77	21.62	98.07	-787.97	649.00	804.87	763.86	41.01	19.626					
4,200.00	4,108.78	4,104.65	3,968.67	21.29	22.19	98.01	-808.25	668.31	825.43	783.39	42.05	19.631					
4,300.00	4,206.22	4,202.51	4,062.43	21.81	22.75	97.96	-828.53	687.62	846.00	802.91	43.09	19.635					
4,400.00	4,303.67	4,300.37	4,156.20	22.33	23.32	97.90	-848.81	706.94	866.56	822.44	44.13	19.639					
4,500.00	4,401.11	4,401.77	4,249.96	22.85	23.91	97.85	-869.10	726.25	887.13	841.95	45.18	19.634					
4,600.00	4,498.55	4,503.91	4,343.73	23.37	24.50	97.80	-889.38	745.56	907.70	861.45	46.25	19.627					
4,700.00	4,596.00	4,606.05	4,437.50	23.89	25.09	97.76	-909.66	764.88	928.27	880.95	47.31	19.620					
4,800.00	4,693.44	4,708.19	4,531.26	24.41	25.68	97.71	-929.94	784.19	948.84	900.46	48.38	19.613					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,900.00	4,790.88	4,789.67	4,625.03	24.93	26.15	97.67	-950.22	803.51	969.41	920.07	49.33	19.651		
5,000.00	4,888.33	4,887.52	4,718.79	25.46	26.72	97.63	-970.50	822.82	989.97	939.60	50.37	19.652		
5,100.00	4,985.77	4,985.38	4,812.56	25.98	27.29	97.59	-990.78	842.13	1,010.55	959.13	51.42	19.653		
5,200.00	5,083.21	5,083.24	4,906.33	26.50	27.85	97.55	-1,011.07	861.45	1,031.12	978.65	52.46	19.654		
5,300.00	5,180.66	5,181.10	5,000.09	27.02	28.42	97.52	-1,031.35	880.76	1,051.69	998.18	53.51	19.655		
5,400.00	5,278.10	5,278.96	5,093.86	27.55	28.99	97.48	-1,051.63	900.07	1,072.26	1,017.71	54.55	19.656		
5,500.00	5,375.54	5,376.82	5,187.62	28.07	29.56	97.45	-1,071.91	919.39	1,092.83	1,037.23	55.60	19.656		
5,582.90	5,456.32	5,457.94	5,265.36	28.50	30.03	97.42	-1,088.72	935.40	1,109.88	1,053.42	56.46	19.657		
5,600.00	5,473.00	5,474.68	5,281.39	28.59	30.13	97.49	-1,092.19	938.70	1,113.40	1,056.75	56.64	19.657		
5,700.00	5,570.93	5,572.56	5,375.17	29.10	30.70	97.74	-1,112.48	958.02	1,133.67	1,076.01	57.66	19.661		
5,800.00	5,669.52	5,670.36	5,468.89	29.57	31.26	97.83	-1,132.75	977.32	1,153.50	1,094.86	58.64	19.669		
5,900.00	5,768.62	5,767.98	5,562.43	30.03	31.83	97.74	-1,152.98	996.59	1,172.93	1,113.34	59.59	19.684		
6,000.00	5,868.13	5,865.30	5,655.67	30.45	32.40	97.50	-1,173.15	1,015.79	1,192.00	1,131.51	60.50	19.704		
6,100.00	5,967.93	5,962.19	5,748.51	30.86	32.96	97.11	-1,193.23	1,034.92	1,210.81	1,149.44	61.37	19.731		
6,200.00	6,067.88	6,058.53	5,840.82	31.24	33.52	96.58	-1,213.19	1,053.93	1,229.44	1,167.24	62.20	19.766		
6,232.12	6,100.00	6,089.34	5,870.35	31.36	33.70	-172.90	-1,219.58	1,060.01	1,235.42	1,172.96	62.46	19.780		
6,300.00	6,167.88	6,154.38	5,932.67	31.61	34.08	-173.58	-1,233.06	1,072.85	1,248.12	1,185.12	63.00	19.812		
6,400.00	6,267.88	6,250.20	6,024.48	31.97	34.64	-174.54	-1,252.92	1,091.76	1,267.15	1,203.36	63.79	19.863		
6,500.00	6,367.88	6,346.02	6,116.28	32.34	35.20	-175.48	-1,272.78	1,110.67	1,286.53	1,221.95	64.59	19.919		
6,600.00	6,467.88	6,441.84	6,208.09	32.70	35.76	-176.40	-1,292.63	1,129.58	1,306.26	1,240.87	65.38	19.978		
6,700.00	6,567.88	6,537.65	6,299.90	33.07	36.31	-177.29	-1,312.49	1,148.49	1,326.30	1,260.12	66.18	20.041		
6,736.50	6,604.38	6,572.63	6,333.41	33.21	36.52	-177.60	-1,319.74	1,155.40	1,333.70	1,267.23	66.47	20.064		
6,750.00	6,617.88	6,585.53	6,345.78	33.25	36.59	-90.38	-1,322.42	1,157.94	1,336.45	1,269.87	66.58	20.074		
6,800.00	6,667.77	6,632.71	6,390.99	33.43	36.87	-89.98	-1,332.19	1,167.25	1,346.70	1,279.75	66.95	20.115		
6,850.00	6,717.28	6,678.71	6,435.06	33.60	37.14	-89.70	-1,341.73	1,176.33	1,357.12	1,289.81	67.31	20.164		
6,900.00	6,766.09	6,723.24	6,477.72	33.79	37.40	-89.50	-1,350.96	1,185.12	1,367.76	1,300.12	67.64	20.220		
6,950.00	6,813.90	6,767.21	6,520.02	33.99	37.64	-89.36	-1,360.10	1,192.92	1,378.71	1,310.73	67.98	20.282		
7,000.00	6,860.42	6,812.62	6,564.12	34.20	37.87	-89.23	-1,369.63	1,197.90	1,389.94	1,321.61	68.33	20.341		
7,050.00	6,905.36	6,859.70	6,610.10	34.42	38.09	-89.11	-1,379.55	1,199.66	1,401.40	1,332.69	68.71	20.397		
7,100.00	6,948.45	6,908.70	6,657.96	34.67	38.28	-89.01	-1,389.87	1,197.80	1,413.02	1,343.91	69.11	20.446		
7,150.00	6,989.41	6,959.93	6,707.68	34.94	38.45	-88.94	-1,400.59	1,191.83	1,424.73	1,355.18	69.55	20.485		
7,200.00	7,028.00	7,013.71	6,759.20	35.24	38.61	-88.89	-1,411.67	1,181.19	1,436.46	1,366.42	70.04	20.510		
7,250.00	7,063.98	7,070.42	6,812.38	35.56	38.76	-88.88	-1,423.10	1,165.19	1,448.09	1,377.52	70.57	20.519		
7,300.00	7,097.13	7,130.50	6,866.96	35.92	38.92	-88.91	-1,434.82	1,143.04	1,459.55	1,388.38	71.17	20.508		
7,350.00	7,127.23	7,194.40	6,922.49	36.32	39.09	-88.98	-1,446.72	1,113.82	1,470.69	1,398.86	71.83	20.475		
7,400.00	7,154.12	7,262.57	6,978.27	36.75	39.29	-89.09	-1,458.66	1,076.54	1,481.40	1,408.83	72.57	20.413		
7,450.00	7,177.61	7,335.46	7,033.23	37.22	39.53	-89.23	-1,470.39	1,030.19	1,491.52	1,418.11	73.41	20.317		
7,500.00	7,197.57	7,413.40	7,085.86	37.73	39.82	-89.40	-1,481.60	973.87	1,500.88	1,426.50	74.38	20.179		
7,550.00	7,213.88	7,496.56	7,134.15	38.28	40.20	-89.56	-1,491.84	907.03	1,509.31	1,433.79	75.52	19.986		
7,600.00	7,226.42	7,584.79	7,175.62	38.87	40.70	-89.70	-1,500.58	829.72	1,516.62	1,439.74	76.88	19.727		
7,650.00	7,235.13	7,677.56	7,207.54	39.48	41.34	-89.78	-1,507.24	742.96	1,522.64	1,444.15	78.49	19.399		
7,700.00	7,239.95	7,773.86	7,227.27	40.12	42.14	-89.77	-1,511.25	648.88	1,527.21	1,446.85	80.35	19.006		
7,735.44	7,241.00	7,843.49	7,232.78	40.59	42.80	-89.70	-1,512.25	579.51	1,529.51	1,447.71	81.80	18.699		
7,800.00	7,241.11	7,915.49	7,233.14	41.47	43.56	-89.71	-1,512.14	507.52	1,532.66	1,449.02	83.64	18.324		
7,900.00	7,241.27	8,015.37	7,233.39	42.96	44.76	-89.71	-1,511.93	407.63	1,537.52	1,450.98	86.54	17.766		
8,000.00	7,241.44	8,115.25	7,233.64	44.59	46.13	-89.71	-1,511.72	307.75	1,542.38	1,452.67	89.71	17.193		
8,100.00	7,241.61	8,215.13	7,233.89	46.34	47.65	-89.72	-1,511.50	207.87	1,547.24	1,454.11	93.13	16.614		
8,200.00	7,241.77	8,315.01	7,234.13	48.20	49.31	-89.72	-1,511.29	107.99	1,552.09	1,455.33	96.76	16.041		
8,300.00	7,241.94	8,414.90	7,234.38	50.16	51.09	-89.73	-1,511.08	8.11	1,556.95	1,456.36	100.59	15.478		
8,400.00	7,242.11	8,514.78	7,234.63	52.20	52.97	-89.73	-1,510.87	-91.77	1,561.81	1,457.22	104.59	14.932		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,242.27	8,614.66	7,234.88	54.31	54.95	-89.73	-1,510.66	-191.65	1,566.67	1,457.92	108.75	14.406		
8,600.00	7,242.44	8,714.54	7,235.13	56.49	57.00	-89.74	-1,510.45	-291.53	1,571.53	1,458.48	113.04	13.902		
8,700.00	7,242.60	8,814.42	7,235.38	58.73	59.13	-89.74	-1,510.24	-391.42	1,576.38	1,458.93	117.46	13.421		
8,800.00	7,242.77	8,914.30	7,235.62	61.03	61.33	-89.75	-1,510.02	-491.30	1,581.24	1,459.26	121.98	12.963		
8,900.00	7,242.94	9,014.19	7,235.87	63.37	63.58	-89.75	-1,509.81	-591.18	1,586.10	1,459.49	126.61	12.528		
9,000.00	7,243.10	9,114.07	7,236.12	65.75	65.88	-89.75	-1,509.60	-691.06	1,590.96	1,459.64	131.32	12.115		
9,100.00	7,243.27	9,213.95	7,236.37	68.18	68.22	-89.76	-1,509.39	-790.94	1,595.82	1,459.71	136.10	11.725		
9,200.00	7,243.44	9,313.83	7,236.62	70.63	70.60	-89.76	-1,509.18	-890.82	1,600.68	1,459.71	140.96	11.355		
9,300.00	7,243.60	9,413.71	7,236.87	73.12	73.02	-89.76	-1,508.97	-990.70	1,605.53	1,459.65	145.88	11.006		
9,400.00	7,243.77	9,513.60	7,237.12	75.63	75.47	-89.77	-1,508.75	-1,090.58	1,610.39	1,459.53	150.86	10.675		
9,500.00	7,243.94	9,613.48	7,237.36	78.17	77.95	-89.77	-1,508.54	-1,190.47	1,615.25	1,459.36	155.89	10.361		
9,600.00	7,244.10	9,713.36	7,237.61	80.73	80.46	-89.77	-1,508.33	-1,290.35	1,620.11	1,459.14	160.97	10.065		
9,700.00	7,244.27	9,813.24	7,237.86	83.31	82.99	-89.78	-1,508.12	-1,390.23	1,624.97	1,458.88	166.08	9.784		
9,800.00	7,244.44	9,913.12	7,238.11	85.91	85.54	-89.78	-1,507.91	-1,490.11	1,629.83	1,458.59	171.24	9.518		
9,900.00	7,244.60	10,013.01	7,238.36	88.53	88.11	-89.79	-1,507.70	-1,589.99	1,634.68	1,458.25	176.43	9.265		
10,000.00	7,244.77	10,112.89	7,238.61	91.16	90.70	-89.79	-1,507.49	-1,689.87	1,639.54	1,457.89	181.66	9.025		
10,100.00	7,244.94	10,212.77	7,238.85	93.81	93.30	-89.79	-1,507.27	-1,789.75	1,644.40	1,457.49	186.91	8.798		
10,200.00	7,245.10	10,312.65	7,239.10	96.46	95.92	-89.80	-1,507.06	-1,889.64	1,649.26	1,457.07	192.19	8.581		
10,300.00	7,245.27	10,412.53	7,239.35	99.14	98.55	-89.80	-1,506.85	-1,989.52	1,654.12	1,456.62	197.50	8.375		
10,400.00	7,245.43	10,512.41	7,239.60	101.82	101.20	-89.80	-1,506.64	-2,089.40	1,658.98	1,456.15	202.83	8.179		
10,500.00	7,245.60	10,612.30	7,239.85	104.51	103.85	-89.81	-1,506.43	-2,189.28	1,663.84	1,455.66	208.18	7.992		
10,600.00	7,245.77	10,712.18	7,240.10	107.21	106.52	-89.81	-1,506.22	-2,289.16	1,668.69	1,455.15	213.55	7.814		
10,700.00	7,245.93	10,812.06	7,240.34	109.92	109.19	-89.81	-1,506.01	-2,389.04	1,673.55	1,454.62	218.93	7.644		
10,800.00	7,246.10	10,911.94	7,240.59	112.64	111.88	-89.82	-1,505.79	-2,488.92	1,678.41	1,454.07	224.34	7.482		
10,900.00	7,246.27	11,011.82	7,240.84	115.37	114.57	-89.82	-1,505.58	-2,588.80	1,683.27	1,453.51	229.76	7.326		
11,000.00	7,246.43	11,111.71	7,241.09	118.10	117.28	-89.82	-1,505.37	-2,688.69	1,688.13	1,452.94	235.19	7.178		
11,100.00	7,246.60	11,211.59	7,241.34	120.84	119.98	-89.83	-1,505.16	-2,788.57	1,692.99	1,452.35	240.64	7.035		
11,200.00	7,246.77	11,311.47	7,241.59	123.58	122.70	-89.83	-1,504.95	-2,888.45	1,697.84	1,451.74	246.10	6.899		
11,300.00	7,246.93	11,411.35	7,241.83	126.34	125.42	-89.83	-1,504.74	-2,988.33	1,702.70	1,451.13	251.57	6.768		
11,340.34	7,247.00	11,451.64	7,241.93	127.45	126.52	-89.83	-1,504.65	-3,028.62	1,704.66	1,450.88	253.78	6.717		
11,400.00	7,247.10	11,511.26	7,242.08	129.09	128.15	-89.83	-1,504.52	-3,088.24	1,706.94	1,449.89	257.05	6.640		
11,500.00	7,247.27	11,611.25	7,242.33	131.84	130.89	-89.83	-1,504.31	-3,188.23	1,707.97	1,445.43	262.54	6.505		
11,586.15	7,247.43	11,702.63	7,242.55	134.20	133.39	-89.83	-1,504.13	-3,274.35	1,706.06	1,438.65	267.41	6.380		
11,600.00	7,247.45	11,711.21	7,242.58	134.57	133.63	-89.83	-1,504.10	-3,288.19	1,705.55	1,437.52	268.03	6.363		
11,700.00	7,247.64	11,811.15	7,242.83	137.31	136.38	-89.83	-1,503.89	-3,388.12	1,701.83	1,428.31	273.52	6.222		
11,800.00	7,247.82	11,911.08	7,243.08	140.05	139.13	-89.84	-1,503.68	-3,488.05	1,698.11	1,419.10	279.01	6.086		
11,900.00	7,248.00	12,011.01	7,243.33	142.79	141.88	-89.84	-1,503.47	-3,587.98	1,694.39	1,409.87	284.52	5.955		
12,000.00	7,248.18	12,110.94	7,243.57	145.53	144.64	-89.84	-1,503.25	-3,687.91	1,690.67	1,400.64	290.03	5.829		
12,100.00	7,248.37	12,210.87	7,243.82	148.28	147.40	-89.84	-1,503.04	-3,787.84	1,686.95	1,391.40	295.55	5.708		
12,200.00	7,248.55	12,310.80	7,244.07	151.04	150.17	-89.84	-1,502.83	-3,887.77	1,683.24	1,382.16	301.08	5.591		
12,300.00	7,248.73	12,410.73	7,244.32	153.80	152.94	-89.85	-1,502.62	-3,987.70	1,679.52	1,372.91	306.61	5.478		
12,400.00	7,248.91	12,510.66	7,244.57	156.56	155.71	-89.85	-1,502.41	-4,087.63	1,675.80	1,363.65	312.15	5.369		
12,500.00	7,249.10	12,610.59	7,244.82	159.32	158.48	-89.85	-1,502.20	-4,187.56	1,672.08	1,354.38	317.70	5.263		
12,600.00	7,249.28	12,710.52	7,245.07	162.09	161.26	-89.85	-1,501.99	-4,287.49	1,668.36	1,345.11	323.25	5.161		
12,700.00	7,249.46	12,810.45	7,245.31	164.86	164.04	-89.85	-1,501.77	-4,387.43	1,664.64	1,335.84	328.80	5.063		
12,800.00	7,249.64	12,910.38	7,245.56	167.63	166.83	-89.86	-1,501.56	-4,487.36	1,660.92	1,326.56	334.36	4.967		
12,900.00	7,249.83	13,010.32	7,245.81	170.40	169.61	-89.86	-1,501.35	-4,587.29	1,657.20	1,317.27	339.93	4.875		
13,000.00	7,250.01	13,110.25	7,246.06	173.18	172.40	-89.86	-1,501.14	-4,687.22	1,653.48	1,307.98	345.50	4.786		
13,100.00	7,250.19	13,210.18	7,246.31	175.96	175.19	-89.86	-1,500.93	-4,787.15	1,649.77	1,298.69	351.07	4.699		
13,200.00	7,250.37	13,310.11	7,246.56	178.74	177.99	-89.86	-1,500.72	-4,887.08	1,646.05	1,289.39	356.65	4.615		
13,300.00	7,250.56	13,410.04	7,246.80	181.52	180.78	-89.87	-1,500.50	-4,987.01	1,642.33	1,280.09	362.23	4.534		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,400.00	7,250.74	13,509.97	7,247.05	184.31	183.58	-89.87	-1,500.29	-5,086.94	1,638.61	1,270.79	367.82	4.455		
13,500.00	7,250.92	13,609.90	7,247.30	187.09	186.38	-89.87	-1,500.08	-5,186.87	1,634.89	1,261.48	373.41	4.378		
13,600.00	7,251.10	13,709.83	7,247.55	189.88	189.18	-89.87	-1,499.87	-5,286.80	1,631.17	1,252.17	379.00	4.304		
13,700.00	7,251.29	13,809.76	7,247.80	192.67	191.98	-89.87	-1,499.66	-5,386.73	1,627.45	1,242.85	384.60	4.232		
13,800.00	7,251.47	13,909.69	7,248.05	195.47	194.79	-89.88	-1,499.45	-5,486.66	1,623.73	1,233.53	390.20	4.161		
13,900.00	7,251.65	14,009.62	7,248.30	198.26	197.59	-89.88	-1,499.23	-5,586.59	1,620.01	1,224.21	395.80	4.093		
14,000.00	7,251.83	14,109.55	7,248.54	201.05	200.40	-89.88	-1,499.02	-5,686.52	1,616.30	1,214.89	401.41	4.027		
14,100.00	7,252.01	14,209.48	7,248.79	203.85	203.21	-89.88	-1,498.81	-5,786.45	1,612.58	1,205.56	407.02	3.962		
14,200.00	7,252.20	14,309.42	7,249.04	206.65	206.02	-89.88	-1,498.60	-5,886.38	1,608.86	1,196.23	412.63	3.899		
14,300.00	7,252.38	14,409.35	7,249.29	209.45	208.83	-89.89	-1,498.39	-5,986.31	1,605.14	1,186.90	418.24	3.838		
14,400.00	7,252.56	14,509.28	7,249.54	212.25	211.65	-89.89	-1,498.18	-6,086.24	1,601.42	1,177.56	423.86	3.778		
14,500.00	7,252.74	14,609.21	7,249.79	215.05	214.46	-89.89	-1,497.96	-6,186.17	1,597.70	1,168.23	429.48	3.720		
14,600.00	7,252.93	14,709.14	7,250.04	217.86	217.27	-89.89	-1,497.75	-6,286.10	1,593.98	1,158.89	435.10	3.664		
14,700.00	7,253.11	14,809.07	7,250.28	220.66	220.09	-89.89	-1,497.54	-6,386.03	1,590.26	1,149.54	440.72	3.608		
14,800.00	7,253.29	14,909.00	7,250.53	223.47	222.91	-89.90	-1,497.33	-6,485.96	1,586.54	1,140.20	446.34	3.555		
14,900.00	7,253.47	15,008.93	7,250.78	226.27	225.73	-89.90	-1,497.12	-6,585.89	1,582.83	1,130.86	451.97	3.502		
15,000.00	7,253.66	15,108.86	7,251.03	229.08	228.55	-89.90	-1,496.91	-6,685.82	1,579.11	1,121.51	457.60	3.451		
15,100.00	7,253.84	15,208.79	7,251.28	231.89	231.37	-89.90	-1,496.70	-6,785.75	1,575.39	1,112.16	463.23	3.401		
15,200.00	7,254.02	15,308.72	7,251.53	234.70	234.19	-89.91	-1,496.48	-6,885.68	1,571.67	1,102.81	468.86	3.352		
15,300.00	7,254.20	15,408.65	7,251.78	237.51	237.01	-89.91	-1,496.27	-6,985.61	1,567.95	1,093.45	474.50	3.304		
15,400.00	7,254.39	15,508.59	7,252.02	240.32	239.83	-89.91	-1,496.06	-7,085.54	1,564.23	1,084.10	480.13	3.258		
15,500.00	7,254.57	15,608.52	7,252.27	243.13	242.66	-89.91	-1,495.85	-7,185.47	1,560.51	1,074.74	485.77	3.212		
15,600.00	7,254.75	15,708.45	7,252.52	245.94	245.48	-89.91	-1,495.64	-7,285.40	1,556.79	1,065.39	491.41	3.168		
15,700.00	7,254.93	15,808.38	7,252.77	248.76	248.31	-89.92	-1,495.43	-7,385.33	1,553.07	1,056.03	497.05	3.125		
15,800.00	7,255.12	15,908.31	7,253.02	251.57	251.13	-89.92	-1,495.21	-7,485.26	1,549.36	1,046.67	502.69	3.082		
15,900.00	7,255.30	16,008.24	7,253.27	254.39	253.96	-89.92	-1,495.00	-7,585.19	1,545.64	1,037.30	508.33	3.041		
16,000.00	7,255.48	16,108.17	7,253.51	257.20	256.79	-89.92	-1,494.79	-7,685.12	1,541.92	1,027.94	513.98	3.000		
16,100.00	7,255.66	16,208.10	7,253.76	260.02	259.62	-89.93	-1,494.58	-7,785.05	1,538.20	1,018.58	519.62	2.960		
16,200.00	7,255.85	16,308.03	7,254.01	262.84	262.45	-89.93	-1,494.37	-7,884.98	1,534.48	1,009.21	525.27	2.921		
16,300.00	7,256.03	16,407.96	7,254.26	265.65	265.28	-89.93	-1,494.16	-7,984.92	1,530.76	999.84	530.92	2.883		
16,400.00	7,256.21	16,507.89	7,254.51	268.47	268.11	-89.93	-1,493.94	-8,084.85	1,527.04	990.48	536.57	2.846		
16,500.00	7,256.39	16,607.82	7,254.76	271.29	270.94	-89.93	-1,493.73	-8,184.78	1,523.32	981.11	542.22	2.809		
16,600.00	7,256.58	16,707.76	7,255.01	274.11	273.77	-89.94	-1,493.52	-8,284.71	1,519.61	971.74	547.87	2.774		
16,700.00	7,256.76	16,807.69	7,255.25	276.93	276.60	-89.94	-1,493.31	-8,384.64	1,515.89	962.36	553.52	2.739		
16,800.00	7,256.94	16,907.62	7,255.50	279.75	279.43	-89.94	-1,493.10	-8,484.57	1,512.17	952.99	559.18	2.704		
16,900.00	7,257.12	17,007.55	7,255.75	282.57	282.27	-89.94	-1,492.89	-8,584.50	1,508.45	943.62	564.83	2.671		
17,000.00	7,257.30	17,107.48	7,256.00	285.40	285.10	-89.95	-1,492.67	-8,684.43	1,504.73	934.24	570.49	2.638		
17,100.00	7,257.49	17,207.41	7,256.25	288.22	287.94	-89.95	-1,492.46	-8,784.36	1,501.01	924.87	576.14	2.605		
17,200.00	7,257.67	17,307.34	7,256.50	291.04	290.77	-89.95	-1,492.25	-8,884.29	1,497.29	915.49	581.80	2.574		
17,300.00	7,257.85	17,407.27	7,256.75	293.87	293.61	-89.95	-1,492.04	-8,984.22	1,493.57	906.11	587.46	2.542		
17,400.00	7,258.03	17,507.20	7,256.99	296.69	296.44	-89.96	-1,491.83	-9,084.15	1,489.85	896.74	593.12	2.512		
17,500.00	7,258.22	17,607.13	7,257.24	299.51	299.28	-89.96	-1,491.62	-9,184.08	1,486.14	887.36	598.78	2.482		
17,600.00	7,258.40	17,707.06	7,257.49	302.34	302.11	-89.96	-1,491.41	-9,284.01	1,482.42	877.98	604.44	2.453		
17,700.00	7,258.58	17,806.99	7,257.74	305.16	304.95	-89.96	-1,491.19	-9,383.94	1,478.70	868.60	610.10	2.424		
17,800.00	7,258.76	17,906.92	7,257.99	307.99	307.79	-89.97	-1,490.98	-9,483.87	1,474.98	859.21	615.77	2.395		
17,900.00	7,258.95	18,006.86	7,258.24	310.82	310.63	-89.97	-1,490.77	-9,583.80	1,471.26	849.83	621.43	2.368		
18,000.00	7,259.13	18,106.79	7,258.48	313.64	313.46	-89.97	-1,490.56	-9,683.73	1,467.54	840.45	627.09	2.340		
18,100.00	7,259.31	18,206.72	7,258.73	316.47	316.30	-89.97	-1,490.35	-9,783.66	1,463.82	831.06	632.76	2.313		
18,200.00	7,259.49	18,306.65	7,258.98	319.30	319.14	-89.98	-1,490.14	-9,883.59	1,460.10	821.68	638.42	2.287		
18,300.00	7,259.68	18,406.58	7,259.23	322.12	321.98	-89.98	-1,489.92	-9,983.52	1,456.39	812.30	644.09	2.261		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	18,506.51	7,259.48	324.95	324.82	-89.98	-1,489.71	-10,083.45	1,452.67	802.91	649.76	2.236		
18,500.00	7,260.04	18,606.44	7,259.73	327.78	327.66	-89.98	-1,489.50	-10,183.38	1,448.95	793.52	655.43	2.211		
18,600.00	7,260.22	18,706.37	7,259.98	330.61	330.50	-89.99	-1,489.29	-10,283.31	1,445.23	784.14	661.09	2.186		
18,700.00	7,260.41	18,806.30	7,260.22	333.44	333.34	-89.99	-1,489.08	-10,383.24	1,441.51	774.75	666.76	2.162		
18,800.00	7,260.59	18,906.23	7,260.47	336.27	336.18	-89.99	-1,488.87	-10,483.17	1,437.79	765.36	672.43	2.138		
18,900.00	7,260.77	19,006.16	7,260.72	339.10	339.02	-89.99	-1,488.65	-10,583.10	1,434.07	755.97	678.10	2.115		
19,000.00	7,260.95	19,106.09	7,260.97	341.93	341.86	-90.00	-1,488.44	-10,683.03	1,430.35	746.58	683.77	2.092		
19,025.91	7,261.00	19,118.22	7,261.00	342.66	342.21	-90.00	-1,488.42	-10,695.16	1,429.46	744.65	684.81	2.087 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-120.22	-1.11	120.23					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-120.22	-1.11	120.23	113.66	6.57	18.301		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-120.22	-1.11	120.23	113.55	6.67	18.014 CC, ES		
300.00	299.98	297.02	297.00	3.44	3.44	90.06	-121.43	0.00	121.45	114.57	6.88	17.641		
400.00	399.84	393.93	393.78	3.60	3.58	90.76	-125.04	3.34	125.15	117.95	7.20	17.388		
500.00	499.45	490.64	490.14	3.81	3.78	91.83	-131.04	8.89	131.35	123.75	7.61	17.271		
600.00	598.70	587.04	585.86	4.05	4.01	93.15	-139.39	16.61	140.09	132.00	8.09	17.306		
700.00	697.47	683.03	680.75	4.34	4.27	94.61	-150.05	26.46	151.41	142.75	8.66	17.491		
800.00	795.62	778.52	774.60	4.66	4.58	96.09	-162.97	38.40	165.33	156.05	9.28	17.811		
849.22	843.68	825.32	820.36	4.84	4.74	96.80	-170.14	45.03	173.14	163.53	9.61	18.011		
900.00	893.16	873.46	867.27	5.02	4.91	97.54	-178.08	52.37	181.80	171.84	9.97	18.243		
1,000.00	990.60	967.87	958.71	5.41	5.28	98.28	-195.34	68.32	200.40	189.70	10.70	18.727		
1,100.00	1,088.05	1,062.39	1,049.44	5.83	5.69	98.24	-214.78	86.30	220.92	209.45	11.48	19.248		
1,200.00	1,185.49	1,160.12	1,142.95	6.26	6.14	98.00	-235.63	105.57	242.09	229.79	12.30	19.676		
1,300.00	1,282.93	1,257.85	1,236.47	6.70	6.60	97.79	-256.48	124.85	263.26	250.09	13.16	20.000		
1,400.00	1,380.37	1,355.58	1,329.98	7.15	7.09	97.62	-277.33	144.12	284.43	270.38	14.05	20.246		
1,500.00	1,477.82	1,453.31	1,423.49	7.62	7.59	97.47	-298.18	163.39	305.60	290.64	14.96	20.433		
1,600.00	1,575.26	1,551.04	1,517.01	8.09	8.09	97.34	-319.03	182.67	326.77	310.89	15.88	20.575		
1,700.00	1,672.70	1,648.77	1,610.52	8.57	8.61	97.23	-339.88	201.94	347.95	331.13	16.82	20.682		
1,800.00	1,770.15	1,746.50	1,704.04	9.05	9.13	97.13	-360.73	221.21	369.13	351.35	17.78	20.764		
1,900.00	1,867.59	1,844.23	1,797.55	9.54	9.66	97.04	-381.58	240.49	390.30	371.56	18.74	20.825		
2,000.00	1,965.03	1,941.96	1,891.07	10.03	10.20	96.96	-402.43	259.76	411.48	391.77	19.72	20.870		
2,100.00	2,062.48	2,039.69	1,984.58	10.53	10.74	96.89	-423.28	279.04	432.66	411.96	20.70	20.903		
2,200.00	2,159.92	2,137.42	2,078.10	11.03	11.28	96.82	-444.13	298.31	453.84	432.16	21.69	20.927		
2,300.00	2,257.36	2,235.15	2,171.61	11.53	11.83	96.77	-464.99	317.58	475.02	452.34	22.68	20.943		
2,400.00	2,354.81	2,332.88	2,265.12	12.03	12.38	96.71	-485.84	336.86	496.20	472.52	23.68	20.953		
2,500.00	2,452.25	2,430.61	2,358.64	12.54	12.93	96.66	-506.69	356.13	517.38	492.70	24.69	20.958		
2,600.00	2,549.69	2,528.34	2,452.15	13.04	13.48	96.61	-527.54	375.41	538.57	512.87	25.69	20.960		
2,700.00	2,647.13	2,626.07	2,545.67	13.55	14.04	96.57	-548.39	394.68	559.75	533.04	26.71	20.959		
2,800.00	2,744.58	2,723.80	2,639.18	14.06	14.59	96.53	-569.24	413.95	580.93	553.21	27.72	20.955		
2,900.00	2,842.02	2,821.53	2,732.70	14.57	15.15	96.50	-590.09	433.23	602.11	573.37	28.74	20.950		
3,000.00	2,939.46	2,919.26	2,826.21	15.09	15.71	96.46	-610.94	452.50	623.30	593.53	29.76	20.943		
3,100.00	3,036.91	3,016.99	2,919.73	15.60	16.27	96.43	-631.79	471.78	644.48	613.69	30.78	20.935		
3,200.00	3,134.35	3,114.72	3,013.24	16.11	16.84	96.40	-652.64	491.05	665.66	633.85	31.81	20.926		
3,300.00	3,231.79	3,212.45	3,106.75	16.63	17.40	96.37	-673.49	510.32	686.84	654.01	32.84	20.917		
3,400.00	3,329.24	3,310.18	3,200.27	17.14	17.96	96.34	-694.34	529.60	708.03	674.16	33.87	20.907		
3,500.00	3,426.68	3,407.91	3,293.78	17.66	18.53	96.32	-715.19	548.87	729.21	694.32	34.90	20.897		
3,600.00	3,524.12	3,505.64	3,387.30	18.18	19.09	96.30	-736.04	568.14	750.39	714.47	35.93	20.886		
3,700.00	3,621.57	3,603.37	3,480.81	18.69	19.66	96.27	-756.89	587.42	771.58	734.62	36.96	20.876		
3,800.00	3,719.01	3,701.10	3,574.33	19.21	20.23	96.25	-777.74	606.69	792.76	754.77	37.99	20.865		
3,900.00	3,816.45	3,801.17	3,667.84	19.73	20.81	96.23	-798.59	625.97	813.95	774.90	39.04	20.848		
4,000.00	3,913.90	3,903.44	3,761.36	20.25	21.40	96.21	-819.44	645.24	835.13	795.03	40.10	20.824		
4,100.00	4,011.34	4,005.71	3,854.87	20.77	21.99	96.20	-840.29	664.51	856.31	815.15	41.17	20.801		
4,200.00	4,108.78	4,107.98	3,948.38	21.29	22.59	96.18	-861.14	683.79	877.50	835.27	42.23	20.780		
4,300.00	4,206.22	4,189.75	4,041.90	21.81	23.07	96.16	-881.99	703.06	898.68	855.50	43.18	20.812		
4,400.00	4,303.67	4,287.48	4,135.41	22.33	23.64	96.15	-902.84	722.34	919.87	875.65	44.22	20.802		
4,500.00	4,401.11	4,385.21	4,228.93	22.85	24.21	96.13	-923.69	741.61	941.05	895.79	45.26	20.791		
4,600.00	4,498.55	4,482.94	4,322.44	23.37	24.78	96.12	-944.54	760.88	962.24	915.93	46.30	20.781		
4,700.00	4,596.00	4,580.67	4,415.96	23.89	25.35	96.10	-965.39	780.16	983.42	936.08	47.34	20.772		
4,800.00	4,693.44	4,678.40	4,509.47	24.41	25.92	96.09	-986.24	799.43	1,004.60	956.22	48.39	20.762		
4,900.00	4,790.88	4,776.13	4,602.99	24.93	26.49	96.08	-1,007.09	818.71	1,025.79	976.36	49.43	20.752		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,873.86	4,696.50	25.46	27.06	96.07	-1,027.95	837.98	1,046.97	996.50	50.47	20.743		
5,100.00	4,985.77	4,971.59	4,790.01	25.98	27.63	96.06	-1,048.80	857.25	1,068.16	1,016.64	51.52	20.734		
5,200.00	5,083.21	5,069.32	4,883.53	26.50	28.20	96.04	-1,069.65	876.53	1,089.34	1,036.78	52.56	20.725		
5,300.00	5,180.66	5,167.05	4,977.04	27.02	28.77	96.03	-1,090.50	895.80	1,110.53	1,056.92	53.61	20.716		
5,400.00	5,278.10	5,264.78	5,070.56	27.55	29.35	96.02	-1,111.35	915.07	1,131.71	1,077.06	54.65	20.708		
5,500.00	5,375.54	5,362.51	5,164.07	28.07	29.92	96.01	-1,132.20	934.35	1,152.90	1,097.20	55.70	20.699		
5,582.90	5,456.32	5,443.53	5,241.59	28.50	30.39	96.01	-1,149.48	950.33	1,170.46	1,113.89	56.56	20.692		
5,600.00	5,473.00	5,460.24	5,257.59	28.59	30.49	96.08	-1,153.05	953.62	1,174.08	1,117.33	56.74	20.691		
5,700.00	5,570.93	5,557.99	5,351.12	29.10	31.06	96.38	-1,173.90	972.90	1,195.02	1,137.25	57.76	20.688		
5,800.00	5,669.52	5,655.66	5,444.58	29.57	31.64	96.51	-1,194.74	992.16	1,215.60	1,156.85	58.75	20.692		
5,900.00	5,768.62	5,753.15	5,537.86	30.03	32.21	96.48	-1,215.54	1,011.39	1,235.84	1,176.15	59.69	20.704		
6,000.00	5,868.13	5,850.34	5,630.85	30.45	32.78	96.31	-1,236.27	1,030.56	1,255.79	1,195.19	60.60	20.724		
6,100.00	5,967.93	5,947.09	5,723.44	30.86	33.34	95.99	-1,256.92	1,049.64	1,275.53	1,214.06	61.47	20.752		
6,200.00	6,067.88	6,043.31	5,815.50	31.24	33.91	95.54	-1,277.44	1,068.61	1,295.15	1,232.85	62.30	20.789		
6,232.12	6,100.00	6,074.08	5,844.95	31.36	34.09	-173.91	-1,284.01	1,074.68	1,301.44	1,238.88	62.56	20.804		
6,300.00	6,167.88	6,139.03	5,907.10	31.61	34.47	-174.54	-1,297.87	1,087.49	1,314.82	1,251.73	63.10	20.838		
6,400.00	6,267.88	6,234.72	5,998.66	31.97	35.03	-175.45	-1,318.28	1,106.36	1,334.83	1,270.93	63.89	20.892		
6,500.00	6,367.88	6,330.40	6,090.21	32.34	35.59	-176.34	-1,338.69	1,125.23	1,355.16	1,290.47	64.69	20.949		
6,600.00	6,467.88	6,426.09	6,181.77	32.70	36.15	-177.19	-1,359.11	1,144.10	1,375.80	1,310.32	65.48	21.010		
6,700.00	6,567.88	6,521.78	6,273.33	33.07	36.72	-178.03	-1,379.52	1,162.97	1,396.74	1,330.46	66.28	21.073		
6,736.50	6,604.38	6,556.70	6,306.75	33.21	36.92	-178.32	-1,386.97	1,169.86	1,404.46	1,337.89	66.57	21.096		
6,750.00	6,617.88	6,569.59	6,319.08	33.25	37.00	-91.08	-1,389.72	1,172.40	1,407.33	1,340.65	66.68	21.106		
6,800.00	6,667.77	6,616.70	6,364.17	33.43	37.27	-90.61	-1,399.78	1,181.70	1,418.05	1,350.99	67.05	21.148		
6,850.00	6,717.28	6,661.70	6,407.31	33.60	37.53	-90.20	-1,409.40	1,190.06	1,428.97	1,361.58	67.40	21.203		
6,900.00	6,766.09	6,706.47	6,450.67	33.79	37.77	-89.79	-1,419.10	1,195.56	1,440.14	1,372.41	67.73	21.263		
6,950.00	6,813.90	6,752.26	6,495.27	33.99	37.98	-89.39	-1,429.11	1,197.93	1,451.50	1,383.43	68.07	21.322		
7,000.00	6,860.42	6,799.19	6,541.04	34.20	38.17	-88.99	-1,439.41	1,196.95	1,463.00	1,394.57	68.43	21.379		
7,050.00	6,905.36	6,847.40	6,587.84	34.42	38.34	-88.61	-1,449.98	1,192.35	1,474.57	1,405.77	68.81	21.430		
7,100.00	6,948.45	6,897.05	6,635.53	34.67	38.49	-88.24	-1,460.79	1,183.83	1,486.15	1,416.93	69.22	21.470		
7,150.00	6,989.41	6,948.30	6,683.91	34.94	38.63	-87.89	-1,471.79	1,171.07	1,497.65	1,427.98	69.67	21.496		
7,200.00	7,028.00	7,001.32	6,732.74	35.24	38.77	-87.57	-1,482.94	1,153.72	1,509.01	1,438.84	70.17	21.504		
7,250.00	7,063.98	7,036.30	6,781.69	35.56	38.91	-87.27	-1,494.16	1,131.38	1,520.15	1,449.42	70.73	21.492		
7,300.00	7,097.13	7,113.43	6,830.36	35.92	39.06	-87.01	-1,505.37	1,103.68	1,530.98	1,459.63	71.35	21.457		
7,350.00	7,127.23	7,172.89	6,878.22	36.32	39.23	-86.78	-1,516.45	1,070.21	1,541.41	1,469.37	72.04	21.396		
7,400.00	7,154.12	7,234.85	6,924.61	36.75	39.42	-86.58	-1,527.26	1,030.63	1,551.35	1,478.53	72.82	21.305		
7,450.00	7,177.61	7,299.44	6,968.72	37.22	39.65	-86.42	-1,537.62	984.64	1,560.70	1,487.01	73.69	21.179		
7,500.00	7,197.57	7,366.74	7,009.60	37.73	39.93	-86.28	-1,547.31	932.10	1,569.36	1,494.68	74.69	21.013		
7,550.00	7,213.88	7,436.76	7,046.12	38.28	40.27	-86.16	-1,556.08	873.06	1,577.23	1,501.41	75.81	20.804		
7,600.00	7,226.42	7,509.40	7,077.09	38.87	40.69	-86.06	-1,563.67	807.83	1,584.20	1,507.11	77.09	20.550		
7,650.00	7,235.13	7,584.46	7,101.25	39.48	41.20	-85.96	-1,569.77	737.08	1,590.18	1,511.66	78.53	20.250		
7,700.00	7,239.95	7,661.57	7,117.43	40.12	41.81	-85.86	-1,574.12	661.85	1,595.09	1,514.98	80.11	19.910		
7,735.44	7,241.00	7,717.23	7,123.53	40.59	42.31	-85.78	-1,576.02	606.58	1,597.88	1,516.56	81.32	19.650		
7,800.00	7,241.11	7,802.66	7,125.09	41.47	43.16	-85.85	-1,577.13	526.51	1,601.91	1,518.58	83.33	19.223		
7,900.00	7,241.27	7,902.84	7,125.33	42.96	44.32	-85.86	-1,578.13	426.69	1,607.96	1,521.74	86.22	18.650		
8,000.00	7,241.44	7,996.98	7,125.57	44.59	45.57	-85.88	-1,579.13	326.88	1,614.01	1,524.74	89.27	18.079		
8,100.00	7,241.61	8,103.21	7,125.81	46.34	47.15	-85.90	-1,580.13	227.07	1,620.06	1,527.29	92.77	17.463		
8,200.00	7,241.77	8,203.39	7,126.05	48.20	48.78	-85.92	-1,581.13	127.26	1,626.11	1,529.72	96.39	16.870		
8,300.00	7,241.94	8,303.58	7,126.29	50.16	50.54	-85.94	-1,582.13	27.45	1,632.16	1,531.95	100.20	16.288		
8,400.00	7,242.11	8,403.76	7,126.53	52.20	52.42	-85.95	-1,583.13	-72.36	1,638.21	1,534.02	104.19	15.723		
8,500.00	7,242.27	8,503.95	7,126.77	54.31	54.38	-85.97	-1,584.13	-172.17	1,644.26	1,535.92	108.34	15.177		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,600.00	7,242.44	8,604.13	7,127.01	56.49	56.44	-85.99	-1,585.13	-271.98	1,650.31	1,537.69	112.62	14.654		
8,700.00	7,242.60	8,704.32	7,127.25	58.73	58.56	-86.00	-1,586.13	-371.79	1,656.36	1,539.34	117.02	14.154		
8,800.00	7,242.77	8,804.50	7,127.49	61.03	60.76	-86.02	-1,587.13	-471.60	1,662.41	1,540.87	121.54	13.678		
8,900.00	7,242.94	8,904.68	7,127.73	63.37	63.01	-86.04	-1,588.13	-571.41	1,668.46	1,542.31	126.15	13.226		
9,000.00	7,243.10	9,004.87	7,127.97	65.75	65.31	-86.06	-1,589.13	-671.22	1,674.51	1,543.66	130.85	12.797		
9,100.00	7,243.27	9,105.05	7,128.21	68.18	67.65	-86.07	-1,590.13	-771.03	1,680.56	1,544.94	135.63	12.391		
9,200.00	7,243.44	9,194.76	7,128.44	70.63	69.79	-86.09	-1,591.13	-870.84	1,686.61	1,546.39	140.22	12.028		
9,300.00	7,243.60	9,305.42	7,128.68	73.12	72.46	-86.11	-1,592.13	-970.65	1,692.66	1,547.28	145.38	11.643		
9,400.00	7,243.77	9,405.61	7,128.92	75.63	74.92	-86.12	-1,593.13	-1,070.46	1,698.72	1,548.36	150.35	11.298		
9,500.00	7,243.94	9,505.79	7,129.16	78.17	77.40	-86.14	-1,594.13	-1,170.27	1,704.77	1,549.39	155.37	10.972		
9,600.00	7,244.10	9,605.97	7,129.40	80.73	79.92	-86.15	-1,595.13	-1,270.08	1,710.82	1,550.38	160.44	10.663		
9,700.00	7,244.27	9,706.16	7,129.64	83.31	82.45	-86.17	-1,596.12	-1,369.89	1,716.87	1,551.32	165.55	10.371		
9,800.00	7,244.44	9,806.34	7,129.88	85.91	85.01	-86.19	-1,597.12	-1,469.70	1,722.92	1,552.22	170.70	10.093		
9,900.00	7,244.60	9,906.53	7,130.12	88.53	87.58	-86.20	-1,598.12	-1,569.51	1,728.97	1,553.09	175.88	9.830		
10,000.00	7,244.77	9,993.29	7,130.36	91.16	89.83	-86.22	-1,599.12	-1,669.32	1,735.03	1,554.28	180.75	9.599		
10,100.00	7,244.94	10,106.90	7,130.60	93.81	92.78	-86.23	-1,600.12	-1,769.13	1,741.08	1,554.73	186.35	9.343		
10,200.00	7,245.10	10,207.08	7,130.84	96.46	95.41	-86.25	-1,601.12	-1,868.94	1,747.13	1,555.51	191.62	9.118		
10,300.00	7,245.27	10,307.27	7,131.08	99.14	98.05	-86.26	-1,602.12	-1,968.75	1,753.18	1,556.27	196.92	8.903		
10,400.00	7,245.43	10,407.45	7,131.32	101.82	100.70	-86.28	-1,603.12	-2,068.56	1,759.24	1,557.00	202.24	8.699		
10,500.00	7,245.60	10,507.63	7,131.56	104.51	103.36	-86.29	-1,604.12	-2,168.37	1,765.29	1,557.71	207.58	8.504		
10,600.00	7,245.77	10,607.82	7,131.80	107.21	106.03	-86.31	-1,605.12	-2,268.18	1,771.34	1,558.40	212.94	8.318		
10,700.00	7,245.93	10,708.00	7,132.03	109.92	108.71	-86.32	-1,606.12	-2,367.99	1,777.39	1,559.07	218.33	8.141		
10,800.00	7,246.10	10,808.19	7,132.27	112.64	111.41	-86.34	-1,607.12	-2,467.80	1,783.45	1,559.73	223.72	7.972		
10,900.00	7,246.27	10,908.37	7,132.51	115.37	114.11	-86.35	-1,608.12	-2,567.61	1,789.50	1,560.36	229.14	7.810		
11,000.00	7,246.43	11,008.56	7,132.75	118.10	116.81	-86.37	-1,609.12	-2,667.42	1,795.55	1,560.99	234.57	7.655		
11,100.00	7,246.60	11,108.74	7,132.99	120.84	119.53	-86.38	-1,610.12	-2,767.23	1,801.61	1,561.60	240.01	7.506		
11,200.00	7,246.77	11,208.93	7,133.23	123.58	122.25	-86.40	-1,611.12	-2,867.04	1,807.66	1,562.20	245.46	7.364		
11,300.00	7,246.93	11,309.11	7,133.47	126.34	124.98	-86.41	-1,612.12	-2,966.85	1,813.72	1,562.79	250.93	7.228		
11,340.34	7,247.00	11,331.16	7,133.57	127.45	125.58	-86.42	-1,612.52	-3,007.12	1,816.16	1,563.52	252.64	7.189		
11,400.00	7,247.10	11,409.26	7,133.71	129.09	127.71	-86.43	-1,613.12	-3,066.70	1,819.15	1,562.75	256.40	7.095		
11,500.00	7,247.27	11,509.29	7,133.95	131.84	130.45	-86.43	-1,614.12	-3,166.66	1,821.39	1,559.51	261.88	6.955		
11,586.15	7,247.43	11,576.85	7,134.16	134.20	132.30	-86.43	-1,614.98	-3,252.80	1,820.52	1,554.43	266.09	6.842		
11,600.00	7,247.45	11,609.30	7,134.19	134.57	133.19	-86.43	-1,615.12	-3,266.65	1,820.18	1,552.82	267.35	6.808		
11,700.00	7,247.64	11,709.34	7,134.43	137.31	135.93	-86.43	-1,616.12	-3,366.61	1,817.67	1,544.84	272.83	6.662		
11,800.00	7,247.82	11,790.63	7,134.67	140.05	138.17	-86.42	-1,617.13	-3,466.57	1,815.17	1,537.36	277.80	6.534		
11,900.00	7,248.00	11,890.60	7,134.91	142.79	140.92	-86.42	-1,618.13	-3,566.53	1,812.66	1,529.37	283.29	6.399		
12,000.00	7,248.18	12,009.43	7,135.15	145.53	144.20	-86.42	-1,619.13	-3,666.50	1,810.16	1,520.84	289.31	6.257		
12,100.00	7,248.37	12,109.46	7,135.39	148.28	146.96	-86.41	-1,620.13	-3,766.46	1,807.65	1,512.83	294.82	6.131		
12,200.00	7,248.55	12,209.49	7,135.63	151.04	149.73	-86.41	-1,621.13	-3,866.42	1,805.15	1,504.81	300.34	6.010		
12,300.00	7,248.73	12,309.52	7,135.87	153.80	152.49	-86.41	-1,622.13	-3,966.39	1,802.64	1,496.78	305.86	5.894		
12,400.00	7,248.91	12,409.56	7,136.11	156.56	155.27	-86.40	-1,623.13	-4,066.35	1,800.14	1,488.75	311.39	5.781		
12,500.00	7,249.10	12,509.59	7,136.35	159.32	158.04	-86.40	-1,624.13	-4,166.31	1,797.63	1,480.71	316.92	5.672		
12,600.00	7,249.28	12,609.62	7,136.59	162.09	160.82	-86.40	-1,625.14	-4,266.28	1,795.13	1,472.67	322.46	5.567		
12,700.00	7,249.46	12,709.65	7,136.83	164.86	163.60	-86.39	-1,626.14	-4,366.24	1,792.62	1,464.62	328.01	5.465		
12,800.00	7,249.64	12,809.68	7,137.07	167.63	166.39	-86.39	-1,627.14	-4,466.20	1,790.12	1,456.56	333.55	5.367		
12,900.00	7,249.83	12,890.29	7,137.31	170.40	168.63	-86.39	-1,628.14	-4,566.17	1,787.61	1,449.05	338.57	5.280		
13,000.00	7,250.01	13,009.74	7,137.55	173.18	171.96	-86.38	-1,629.14	-4,666.13	1,785.11	1,440.44	344.67	5.179		
13,100.00	7,250.19	13,109.78	7,137.79	175.96	174.75	-86.38	-1,630.14	-4,766.09	1,782.60	1,432.37	350.23	5.090		
13,200.00	7,250.37	13,209.81	7,138.03	178.74	177.55	-86.38	-1,631.14	-4,866.06	1,780.10	1,424.30	355.80	5.003		
13,300.00	7,250.56	13,309.84	7,138.26	181.52	180.34	-86.37	-1,632.14	-4,966.02	1,777.60	1,416.23	361.37	4.919		
13,400.00	7,250.74	13,409.87	7,138.50	184.31	183.14	-86.37	-1,633.15	-5,065.98	1,775.09	1,408.15	366.94	4.838		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
13,500.00	7,250.92	13,509.90	7,138.74	187.09	185.94	-86.37	-1,634.15	-5,165.95	1,772.59	1,400.06	372.52	4.758		
13,600.00	7,251.10	13,609.93	7,138.98	189.88	188.74	-86.36	-1,635.15	-5,265.91	1,770.08	1,391.98	378.10	4.681		
13,700.00	7,251.29	13,709.96	7,139.22	192.67	191.54	-86.36	-1,636.15	-5,365.87	1,767.58	1,383.89	383.69	4.607		
13,800.00	7,251.47	13,809.99	7,139.46	195.47	194.35	-86.36	-1,637.15	-5,465.84	1,765.07	1,375.80	389.28	4.534		
13,900.00	7,251.65	13,889.97	7,139.70	198.26	196.59	-86.35	-1,638.15	-5,565.80	1,762.57	1,368.26	394.30	4.470		
14,000.00	7,251.83	13,989.94	7,139.94	201.05	199.39	-86.35	-1,639.15	-5,665.76	1,760.06	1,360.17	399.90	4.401		
14,100.00	7,252.01	14,089.91	7,140.18	203.85	202.20	-86.35	-1,640.15	-5,765.73	1,757.56	1,352.07	405.49	4.334		
14,200.00	7,252.20	14,189.88	7,140.42	206.65	205.01	-86.34	-1,641.16	-5,865.69	1,755.05	1,343.97	411.09	4.269		
14,300.00	7,252.38	14,289.85	7,140.66	209.45	207.82	-86.34	-1,642.16	-5,965.65	1,752.55	1,335.86	416.69	4.206		
14,400.00	7,252.56	14,389.82	7,140.90	212.25	210.63	-86.34	-1,643.16	-6,065.62	1,750.05	1,327.76	422.29	4.144		
14,500.00	7,252.74	14,489.79	7,141.14	215.05	213.44	-86.33	-1,644.16	-6,165.58	1,747.54	1,319.65	427.89	4.084		
14,600.00	7,252.93	14,589.75	7,141.38	217.86	216.25	-86.33	-1,645.16	-6,265.54	1,745.04	1,311.54	433.50	4.025		
14,700.00	7,253.11	14,689.72	7,141.62	220.66	219.07	-86.33	-1,646.16	-6,365.51	1,742.53	1,303.42	439.11	3.968		
14,800.00	7,253.29	14,789.69	7,141.86	223.47	221.88	-86.32	-1,647.16	-6,465.47	1,740.03	1,295.31	444.72	3.913		
14,900.00	7,253.47	14,889.66	7,142.10	226.27	224.70	-86.32	-1,648.16	-6,565.43	1,737.52	1,287.19	450.33	3.858		
15,000.00	7,253.66	14,989.63	7,142.34	229.08	227.51	-86.32	-1,649.17	-6,665.40	1,735.02	1,279.07	455.94	3.805		
15,100.00	7,253.84	15,089.60	7,142.58	231.89	230.33	-86.31	-1,650.17	-6,765.36	1,732.51	1,270.95	461.56	3.754		
15,200.00	7,254.02	15,189.57	7,142.82	234.70	233.15	-86.31	-1,651.17	-6,865.32	1,730.01	1,262.83	467.18	3.703		
15,300.00	7,254.20	15,289.53	7,143.06	237.51	235.97	-86.31	-1,652.17	-6,965.29	1,727.50	1,254.71	472.80	3.654		
15,400.00	7,254.39	15,389.50	7,143.30	240.32	238.79	-86.30	-1,653.17	-7,065.25	1,725.00	1,246.58	478.42	3.606		
15,500.00	7,254.57	15,489.47	7,143.54	243.13	241.61	-86.30	-1,654.17	-7,165.21	1,722.50	1,238.45	484.04	3.559		
15,600.00	7,254.75	15,589.44	7,143.78	245.94	244.44	-86.30	-1,655.17	-7,265.18	1,719.99	1,230.33	489.66	3.513		
15,700.00	7,254.93	15,689.41	7,144.02	248.76	247.26	-86.29	-1,656.17	-7,365.14	1,717.49	1,222.20	495.29	3.468		
15,800.00	7,255.12	15,789.38	7,144.26	251.57	250.08	-86.29	-1,657.18	-7,465.10	1,714.98	1,214.07	500.92	3.424		
15,900.00	7,255.30	15,889.35	7,144.50	254.39	252.91	-86.29	-1,658.18	-7,565.07	1,712.48	1,205.93	506.55	3.381		
16,000.00	7,255.48	15,989.31	7,144.74	257.20	255.73	-86.28	-1,659.18	-7,665.03	1,709.97	1,197.80	512.17	3.339		
16,100.00	7,255.66	16,089.28	7,144.98	260.02	258.56	-86.28	-1,660.18	-7,764.99	1,707.47	1,189.66	517.81	3.298		
16,200.00	7,255.85	16,189.25	7,145.22	262.84	261.38	-86.28	-1,661.18	-7,864.96	1,704.96	1,181.53	523.44	3.257		
16,300.00	7,256.03	16,289.22	7,145.46	265.65	264.21	-86.27	-1,662.18	-7,964.92	1,702.46	1,173.39	529.07	3.218		
16,400.00	7,256.21	16,389.19	7,145.70	268.47	267.04	-86.27	-1,663.18	-8,064.88	1,699.96	1,165.25	534.71	3.179		
16,500.00	7,256.39	16,489.16	7,145.94	271.29	269.87	-86.27	-1,664.18	-8,164.85	1,697.45	1,157.11	540.34	3.141		
16,600.00	7,256.58	16,589.13	7,146.18	274.11	272.70	-86.26	-1,665.18	-8,264.81	1,694.95	1,148.97	545.98	3.104		
16,700.00	7,256.76	16,689.09	7,146.42	276.93	275.53	-86.26	-1,666.19	-8,364.77	1,692.44	1,140.83	551.61	3.068		
16,800.00	7,256.94	16,789.06	7,146.65	279.75	278.36	-86.25	-1,667.19	-8,464.74	1,689.94	1,132.68	557.25	3.033		
16,900.00	7,257.12	16,889.03	7,146.89	282.57	281.19	-86.25	-1,668.19	-8,564.70	1,687.43	1,124.54	562.89	2.998		
17,000.00	7,257.30	16,989.00	7,147.13	285.40	284.02	-86.25	-1,669.19	-8,664.66	1,684.93	1,116.40	568.53	2.964		
17,100.00	7,257.49	17,088.97	7,147.37	288.22	286.85	-86.24	-1,670.19	-8,764.63	1,682.42	1,108.25	574.17	2.930		
17,200.00	7,257.67	17,188.94	7,147.61	291.04	289.68	-86.24	-1,671.19	-8,864.59	1,679.92	1,100.10	579.82	2.897		
17,300.00	7,257.85	17,288.91	7,147.85	293.87	292.52	-86.24	-1,672.19	-8,964.55	1,677.42	1,091.96	585.46	2.865		
17,400.00	7,258.03	17,388.87	7,148.09	296.69	295.35	-86.23	-1,673.19	-9,064.52	1,674.91	1,083.81	591.10	2.834		
17,500.00	7,258.22	17,488.84	7,148.33	299.51	298.18	-86.23	-1,674.20	-9,164.48	1,672.41	1,075.66	596.75	2.803		
17,600.00	7,258.40	17,588.81	7,148.57	302.34	301.02	-86.23	-1,675.20	-9,264.44	1,669.90	1,067.51	602.39	2.772		
17,700.00	7,258.58	17,688.78	7,148.81	305.16	303.85	-86.22	-1,676.20	-9,364.41	1,667.40	1,059.36	608.04	2.742		
17,800.00	7,258.76	17,788.75	7,149.05	307.99	306.68	-86.22	-1,677.20	-9,464.37	1,664.89	1,051.21	613.69	2.713		
17,900.00	7,258.95	17,888.72	7,149.29	310.82	309.52	-86.21	-1,678.20	-9,564.33	1,662.39	1,043.05	619.33	2.684		
18,000.00	7,259.13	17,988.69	7,149.53	313.64	312.36	-86.21	-1,679.20	-9,664.30	1,659.89	1,034.90	624.98	2.656		
18,100.00	7,259.31	18,088.65	7,149.77	316.47	315.19	-86.21	-1,680.20	-9,764.26	1,657.38	1,026.75	630.63	2.628		
18,200.00	7,259.49	18,188.62	7,150.01	319.30	318.03	-86.20	-1,681.20	-9,864.22	1,654.88	1,018.59	636.28	2.601		
18,300.00	7,259.68	18,288.59	7,150.25	322.12	320.86	-86.20	-1,682.21	-9,964.18	1,652.37	1,010.44	641.93	2.574		
18,400.00	7,259.86	18,388.56	7,150.49	324.95	323.70	-86.20	-1,683.21	-10,064.15	1,649.87	1,002.28	647.58	2.548		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,500.00	7,260.04	18,488.53	7,150.73	327.78	326.54	-86.19	-1,684.21	-10,164.11	1,647.36	994.13	653.23	2.522		
18,600.00	7,260.22	18,588.50	7,150.97	330.61	329.38	-86.19	-1,685.21	-10,264.07	1,644.86	985.97	658.89	2.496		
18,700.00	7,260.41	18,688.47	7,151.21	333.44	332.21	-86.18	-1,686.21	-10,364.04	1,642.35	977.82	664.54	2.471		
18,800.00	7,260.59	18,788.43	7,151.45	336.27	335.05	-86.18	-1,687.21	-10,464.00	1,639.85	969.66	670.19	2.447		
18,900.00	7,260.77	18,888.40	7,151.69	339.10	337.89	-86.18	-1,688.21	-10,563.96	1,637.35	961.50	675.85	2.423		
19,000.00	7,260.95	18,988.37	7,151.93	341.93	340.73	-86.17	-1,689.21	-10,663.93	1,634.84	953.34	681.50	2.399		
19,025.91	7,261.00	19,014.28	7,151.99	342.66	341.46	-86.17	-1,689.47	-10,689.83	1,634.19	951.23	682.97	2.393 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-179.42	-165.03	-1.67	165.04					
100.00	100.00	100.00	100.00	3.28	3.28	-179.42	-165.03	-1.67	165.04	158.47	6.57	25.123		
200.00	200.00	200.00	200.00	3.34	3.34	-179.42	-165.03	-1.67	165.04	158.37	6.67	24.729		
246.49	246.49	246.49	246.49	3.38	3.38	90.00	-165.03	-1.67	165.04	158.28	6.76	24.414 CC		
300.00	299.98	299.98	299.98	3.44	3.44	90.47	-165.03	-1.67	165.05	158.16	6.89	23.964 ES		
400.00	399.84	395.23	395.21	3.60	3.59	91.87	-166.40	-0.86	166.56	159.37	7.19	23.161		
500.00	499.45	490.32	490.18	3.81	3.77	93.69	-170.47	1.55	171.12	163.53	7.59	22.553		
600.00	598.70	585.10	584.63	4.05	3.99	95.80	-177.24	5.55	178.85	170.78	8.07	22.176		
700.00	697.47	679.43	678.32	4.34	4.24	98.04	-186.63	11.10	189.86	181.25	8.61	22.045		
800.00	795.62	773.16	771.01	4.66	4.51	100.27	-198.59	18.18	204.23	195.01	9.22	22.150		
849.22	843.68	819.03	816.20	4.84	4.66	101.33	-205.39	22.20	212.55	203.01	9.54	22.280		
900.00	893.16	866.20	862.52	5.02	4.82	102.46	-213.04	26.72	221.89	212.01	9.88	22.456		
1,000.00	990.60	958.72	952.93	5.41	5.15	104.04	-229.93	36.71	242.15	231.57	10.58	22.888		
1,100.00	1,088.05	1,050.58	1,042.02	5.83	5.52	104.88	-249.19	48.10	264.68	253.36	11.32	23.385		
1,200.00	1,185.49	1,141.60	1,129.55	6.26	5.90	105.15	-270.68	60.81	289.32	277.23	12.08	23.945		
1,300.00	1,282.93	1,231.61	1,215.28	6.70	6.32	104.98	-294.27	74.76	316.00	303.13	12.87	24.556		
1,400.00	1,380.37	1,320.46	1,299.02	7.15	6.75	104.47	-319.83	89.87	344.71	331.04	13.67	25.217		
1,500.00	1,477.82	1,407.99	1,380.58	7.62	7.21	103.73	-347.17	106.05	375.45	360.97	14.48	25.928		
1,600.00	1,575.26	1,504.50	1,461.12	8.09	7.75	102.81	-376.61	123.46	408.23	392.87	15.36	26.585		
1,700.00	1,672.70	1,589.46	1,547.23	8.57	8.25	101.87	-408.99	142.61	441.79	425.57	16.22	27.236		
1,800.00	1,770.15	1,683.43	1,633.33	9.05	8.81	101.06	-441.37	161.76	475.45	458.30	17.15	27.723		
1,900.00	1,867.59	1,777.40	1,719.44	9.54	9.39	100.36	-473.75	180.91	509.17	491.08	18.09	28.140		
2,000.00	1,965.03	1,871.37	1,805.55	10.03	9.99	99.74	-506.13	200.05	542.96	523.91	19.05	28.500		
2,100.00	2,062.48	1,965.34	1,891.66	10.53	10.58	99.20	-538.51	219.20	576.80	556.78	20.02	28.812		
2,200.00	2,159.92	2,059.31	1,977.77	11.03	11.19	98.72	-570.89	238.35	610.68	589.68	21.00	29.084		
2,300.00	2,257.36	2,153.27	2,063.88	11.53	11.81	98.28	-603.27	257.50	644.59	622.61	21.98	29.323		
2,400.00	2,354.81	2,247.24	2,149.99	12.03	12.43	97.89	-635.65	276.65	678.53	655.56	22.97	29.534		
2,500.00	2,452.25	2,341.21	2,236.10	12.54	13.05	97.54	-668.03	295.80	712.50	688.53	23.97	29.720		
2,600.00	2,549.69	2,435.18	2,322.21	13.04	13.68	97.22	-700.41	314.95	746.49	721.51	24.98	29.886		
2,700.00	2,647.13	2,529.15	2,408.32	13.55	14.31	96.93	-732.79	334.10	780.50	754.51	25.99	30.034		
2,800.00	2,744.58	2,623.12	2,494.43	14.06	14.94	96.66	-765.17	353.25	814.52	787.52	27.00	30.167		
2,900.00	2,842.02	2,717.08	2,580.54	14.57	15.58	96.41	-797.55	372.40	848.56	820.54	28.02	30.287		
3,000.00	2,939.46	2,811.05	2,666.65	15.09	16.22	96.19	-829.93	391.55	882.61	853.57	29.04	30.395		
3,100.00	3,036.91	2,905.02	2,752.76	15.60	16.86	95.98	-862.31	410.70	916.67	886.61	30.06	30.493		
3,200.00	3,134.35	2,998.99	2,838.87	16.11	17.51	95.78	-894.69	429.85	950.75	919.66	31.09	30.582		
3,300.00	3,231.79	3,107.04	2,924.98	16.63	18.25	95.60	-927.07	449.00	984.83	952.63	32.20	30.584		
3,400.00	3,329.24	3,186.93	3,011.09	17.14	18.80	95.43	-959.45	468.15	1,018.92	985.77	33.15	30.738		
3,500.00	3,426.68	3,280.89	3,097.20	17.66	19.45	95.27	-991.83	487.30	1,053.02	1,018.84	34.18	30.807		
3,600.00	3,524.12	3,374.86	3,183.31	18.18	20.10	95.12	-1,024.21	506.45	1,087.12	1,051.91	35.22	30.870		
3,700.00	3,621.57	3,468.83	3,269.42	18.69	20.75	94.98	-1,056.59	525.60	1,121.23	1,084.98	36.25	30.928		
3,800.00	3,719.01	3,562.80	3,355.53	19.21	21.40	94.85	-1,088.97	544.74	1,155.35	1,118.06	37.29	30.981		
3,900.00	3,816.45	3,656.77	3,441.64	19.73	22.05	94.73	-1,121.35	563.89	1,189.47	1,151.14	38.33	31.031		
4,000.00	3,913.90	3,750.74	3,527.75	20.25	22.71	94.61	-1,153.73	583.04	1,223.60	1,184.22	39.37	31.077		
4,100.00	4,011.34	3,844.70	3,613.86	20.77	23.36	94.50	-1,186.11	602.19	1,257.73	1,217.31	40.42	31.120		
4,200.00	4,108.78	3,938.67	3,699.97	21.29	24.02	94.39	-1,218.49	621.34	1,291.86	1,250.40	41.46	31.159		
4,300.00	4,206.22	4,032.64	3,786.08	21.81	24.67	94.29	-1,250.87	640.49	1,326.00	1,283.49	42.50	31.197		
4,400.00	4,303.67	4,126.61	3,872.19	22.33	25.33	94.20	-1,283.25	659.64	1,360.14	1,316.59	43.55	31.232		
4,500.00	4,401.11	4,220.58	3,958.30	22.85	25.99	94.11	-1,315.63	678.79	1,394.28	1,349.69	44.60	31.264		
4,600.00	4,498.55	4,314.55	4,044.41	23.37	26.64	94.02	-1,348.01	697.94	1,428.43	1,382.79	45.64	31.295		
4,700.00	4,596.00	4,408.51	4,130.52	23.89	27.30	93.94	-1,380.39	717.09	1,462.58	1,415.89	46.69	31.323		
4,800.00	4,693.44	4,502.48	4,216.63	24.41	27.96	93.86	-1,412.77	736.24	1,496.73	1,448.99	47.74	31.350		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
4,900.00	4,790.88	4,603.55	4,302.74	24.93	28.67	93.79	-1,445.15	755.39	1,530.89	1,482.05	48.84	31.348		
5,000.00	4,888.33	4,690.42	4,388.85	25.46	29.28	93.72	-1,477.53	774.54	1,565.04	1,515.20	49.84	31.399		
5,100.00	4,985.77	4,784.39	4,474.96	25.98	29.94	93.65	-1,509.91	793.69	1,599.20	1,548.31	50.89	31.422		
5,200.00	5,083.21	4,878.36	4,561.07	26.50	30.60	93.59	-1,542.29	812.84	1,633.36	1,581.42	51.95	31.443		
5,300.00	5,180.66	4,972.32	4,647.18	27.02	31.26	93.52	-1,574.67	831.99	1,667.53	1,614.53	53.00	31.463		
5,400.00	5,278.10	5,066.29	4,733.29	27.55	31.92	93.46	-1,607.05	851.14	1,701.69	1,647.64	54.05	31.483		
5,500.00	5,375.54	5,160.26	4,819.40	28.07	32.58	93.41	-1,639.43	870.29	1,735.86	1,680.75	55.11	31.501		
5,582.90	5,456.32	5,238.16	4,890.78	28.50	33.13	93.36	-1,666.27	886.16	1,764.18	1,708.20	55.98	31.515		
5,600.00	5,473.00	5,254.23	4,905.50	28.59	33.24	93.47	-1,671.81	889.43	1,770.02	1,713.86	56.16	31.518		
5,700.00	5,570.93	5,348.17	4,991.59	29.10	33.90	94.06	-1,704.18	908.58	1,804.05	1,746.87	57.19	31.546		
5,800.00	5,669.52	5,442.00	5,077.57	29.57	34.56	94.54	-1,736.51	927.70	1,837.87	1,779.69	58.18	31.591		
5,900.00	5,768.62	5,535.58	5,163.33	30.03	35.22	94.90	-1,768.76	946.77	1,871.48	1,812.35	59.13	31.650		
6,000.00	5,868.13	5,628.82	5,248.76	30.45	35.88	95.17	-1,800.88	965.77	1,904.88	1,844.83	60.05	31.724		
6,100.00	5,967.93	5,721.58	5,333.77	30.86	36.53	95.34	-1,832.85	984.68	1,938.11	1,877.19	60.92	31.812		
6,200.00	6,067.88	5,813.78	5,418.26	31.24	37.18	95.43	-1,864.62	1,003.46	1,971.22	1,909.45	61.77	31.913		
6,232.12	6,100.00	5,843.25	5,445.26	31.36	37.39	-173.85	-1,874.77	1,009.47	1,981.83	1,919.80	62.03	31.950		
6,300.00	6,167.88	5,905.45	5,502.26	31.61	37.83	-174.30	-1,896.21	1,022.14	2,004.31	1,941.74	62.58	32.029		
6,400.00	6,267.88	6,002.91	5,586.24	31.97	38.52	-174.95	-1,927.78	1,040.82	2,037.65	1,974.23	63.42	32.129		
6,500.00	6,367.88	6,088.72	5,670.21	32.34	39.12	-175.57	-1,959.36	1,059.49	2,071.22	2,007.02	64.20	32.264		
6,600.00	6,467.88	6,180.36	5,754.18	32.70	39.77	-176.18	-1,990.94	1,078.17	2,105.01	2,040.00	65.01	32.380		
6,700.00	6,567.88	6,272.00	5,838.16	33.07	40.41	-176.77	-2,022.51	1,096.84	2,139.02	2,073.20	65.82	32.496		
6,736.50	6,604.38	6,305.45	5,868.81	33.21	40.65	-176.99	-2,034.04	1,103.66	2,151.49	2,085.37	66.12	32.538		
6,750.00	6,617.88	6,317.78	5,880.11	33.25	40.74	-89.53	-2,038.29	1,106.17	2,156.10	2,089.87	66.23	32.555		
6,800.00	6,667.77	6,362.84	5,921.40	33.43	41.06	-88.25	-2,053.82	1,115.35	2,173.22	2,106.60	66.61	32.625		
6,850.00	6,717.28	6,406.67	5,961.57	33.60	41.36	-87.05	-2,068.92	1,124.29	2,190.32	2,123.34	66.98	32.702		
6,900.00	6,766.09	6,449.01	6,000.37	33.79	41.66	-85.93	-2,083.51	1,132.92	2,207.40	2,140.07	67.33	32.785		
6,950.00	6,813.90	6,489.60	6,037.57	33.99	41.95	-84.87	-2,097.50	1,141.19	2,224.43	2,156.76	67.67	32.872		
7,000.00	6,860.42	6,528.19	6,072.93	34.20	42.22	-83.85	-2,110.79	1,149.05	2,241.43	2,173.43	68.00	32.964		
7,050.00	6,905.36	6,564.54	6,106.23	34.42	42.48	-82.86	-2,123.32	1,156.46	2,258.38	2,190.07	68.32	33.058		
7,100.00	6,948.45	6,598.42	6,137.28	34.67	42.72	-81.89	-2,134.99	1,163.36	2,275.31	2,206.68	68.63	33.155		
7,150.00	6,989.41	6,629.63	6,165.88	34.94	42.94	-80.91	-2,145.75	1,169.72	2,292.23	2,223.29	68.94	33.252		
7,200.00	7,028.00	6,657.97	6,191.85	35.24	43.14	-79.91	-2,155.51	1,175.50	2,309.14	2,239.89	69.24	33.348		
7,250.00	7,063.98	6,683.27	6,215.04	35.56	43.32	-78.88	-2,164.23	1,180.65	2,326.04	2,256.49	69.55	33.442		
7,300.00	7,097.13	6,705.38	6,235.29	35.92	43.47	-77.81	-2,171.85	1,185.16	2,342.95	2,273.08	69.87	33.534		
7,350.00	7,127.23	6,732.99	6,260.66	36.32	43.66	-76.89	-2,181.39	1,190.45	2,359.81	2,289.52	70.29	33.572		
7,400.00	7,154.12	6,766.21	6,291.42	36.75	43.88	-76.12	-2,192.94	1,195.29	2,376.53	2,305.71	70.82	33.557		
7,450.00	7,177.61	6,802.50	6,325.25	37.22	44.10	-75.46	-2,205.64	1,198.61	2,393.05	2,321.62	71.43	33.502		
7,500.00	7,197.57	6,843.81	6,363.90	37.73	44.33	-74.94	-2,220.14	1,199.87	2,409.29	2,337.16	72.13	33.404		
7,550.00	7,213.88	6,884.09	6,410.93	38.28	44.57	-74.66	-2,237.76	1,197.80	2,425.19	2,352.25	72.94	33.248		
7,600.00	7,226.42	7,000.00	6,447.19	38.87	47.34	-74.15	-2,251.33	1,193.03	2,440.59	2,363.98	76.62	31.854		
7,650.00	7,235.13	7,076.51	6,576.98	39.48	45.15	-76.02	-2,299.81	1,157.41	2,455.39	2,380.10	75.29	32.613		
7,700.00	7,239.95	7,347.69	6,787.97	40.12	45.66	-79.92	-2,378.17	1,009.86	2,468.40	2,390.61	77.79	31.732		
7,735.44	7,241.00	7,831.13	6,959.89	40.59	47.53	-83.47	-2,440.43	574.81	2,473.68	2,389.68	84.00	29.449		
7,800.00	7,241.11	7,905.95	6,960.16	41.47	48.06	-83.48	-2,440.16	500.00	2,476.67	2,390.79	85.88	28.840		
7,900.00	7,241.27	8,005.84	6,960.42	42.96	48.91	-83.50	-2,439.75	400.11	2,481.29	2,392.52	88.76	27.954		
8,000.00	7,241.44	8,105.73	6,960.67	44.59	49.93	-83.51	-2,439.34	300.22	2,485.91	2,394.00	91.91	27.047		
8,100.00	7,241.61	8,205.62	6,960.92	46.34	51.13	-83.53	-2,438.93	200.33	2,490.53	2,395.23	95.30	26.134		
8,200.00	7,241.77	8,305.51	6,961.17	48.20	52.49	-83.54	-2,438.52	100.44	2,495.15	2,396.26	98.90	25.230		
8,300.00	7,241.94	8,405.40	6,961.42	50.16	54.01	-83.55	-2,438.11	0.55	2,499.77	2,397.09	102.69	24.344		
8,400.00	7,242.11	8,505.30	6,961.67	52.20	55.68	-83.57	-2,437.70	-99.34	2,504.40	2,397.75	106.64	23.484		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,500.00	7,242.27	8,605.19	6,961.93	54.31	57.47	-83.58	-2,437.29	-199.23	2,509.02	2,398.27	110.75	22.655		
8,600.00	7,242.44	8,705.08	6,962.18	56.49	59.37	-83.60	-2,436.89	-299.12	2,513.64	2,398.64	115.00	21.858		
8,700.00	7,242.60	8,804.97	6,962.43	58.73	61.36	-83.61	-2,436.48	-399.02	2,518.26	2,398.90	119.36	21.097		
8,800.00	7,242.77	8,904.86	6,962.68	61.03	63.44	-83.62	-2,436.07	-498.91	2,522.89	2,399.05	123.84	20.373		
8,900.00	7,242.94	9,004.75	6,962.93	63.37	65.59	-83.64	-2,435.66	-598.80	2,527.51	2,399.10	128.41	19.683		
9,000.00	7,243.10	9,104.64	6,963.18	65.75	67.80	-83.65	-2,435.25	-698.69	2,532.13	2,399.07	133.07	19.029		
9,100.00	7,243.27	9,204.53	6,963.44	68.18	70.07	-83.66	-2,434.84	-798.58	2,536.76	2,398.95	137.80	18.409		
9,200.00	7,243.44	9,304.43	6,963.69	70.63	72.39	-83.68	-2,434.43	-898.47	2,541.38	2,398.77	142.61	17.821		
9,300.00	7,243.60	9,404.32	6,963.94	73.12	74.75	-83.69	-2,434.02	-998.36	2,546.00	2,398.53	147.48	17.264		
9,400.00	7,243.77	9,504.21	6,964.19	75.63	77.14	-83.70	-2,433.61	-1,098.25	2,550.63	2,398.22	152.41	16.736		
9,500.00	7,243.94	9,604.10	6,964.44	78.17	79.58	-83.72	-2,433.20	-1,198.14	2,555.25	2,397.86	157.39	16.236		
9,600.00	7,244.10	9,703.99	6,964.69	80.73	82.04	-83.73	-2,432.79	-1,298.03	2,559.87	2,397.46	162.41	15.761		
9,700.00	7,244.27	9,803.88	6,964.94	83.31	84.53	-83.74	-2,432.39	-1,397.92	2,564.50	2,397.02	167.48	15.312		
9,800.00	7,244.44	9,903.77	6,965.20	85.91	87.04	-83.76	-2,431.98	-1,497.81	2,569.12	2,396.53	172.59	14.885		
9,900.00	7,244.60	10,003.66	6,965.45	88.53	89.58	-83.77	-2,431.57	-1,597.70	2,573.75	2,396.01	177.74	14.481		
10,000.00	7,244.77	10,103.56	6,965.70	91.16	92.14	-83.78	-2,431.16	-1,697.59	2,578.37	2,395.45	182.92	14.096		
10,100.00	7,244.94	10,203.45	6,965.95	93.81	94.71	-83.80	-2,430.75	-1,797.48	2,583.00	2,394.87	188.13	13.730		
10,200.00	7,245.10	10,303.34	6,966.20	96.46	97.31	-83.81	-2,430.34	-1,897.37	2,587.62	2,394.26	193.36	13.382		
10,300.00	7,245.27	10,403.23	6,966.45	99.14	99.92	-83.82	-2,429.93	-1,997.26	2,592.25	2,393.62	198.62	13.051		
10,400.00	7,245.43	10,503.12	6,966.71	101.82	102.54	-83.84	-2,429.52	-2,097.15	2,596.87	2,392.96	203.91	12.735		
10,500.00	7,245.60	10,603.01	6,966.96	104.51	105.17	-83.85	-2,429.11	-2,197.04	2,601.50	2,392.28	209.22	12.434		
10,600.00	7,245.77	10,702.90	6,967.21	107.21	107.82	-83.86	-2,428.70	-2,296.93	2,606.12	2,391.57	214.55	12.147		
10,700.00	7,245.93	10,802.79	6,967.46	109.92	110.48	-83.87	-2,428.29	-2,396.82	2,610.75	2,390.85	219.89	11.873		
10,800.00	7,246.10	10,902.69	6,967.71	112.64	113.15	-83.89	-2,427.89	-2,496.71	2,615.37	2,390.11	225.26	11.611		
10,900.00	7,246.27	11,002.58	6,967.96	115.37	115.83	-83.90	-2,427.48	-2,596.60	2,620.00	2,389.36	230.64	11.360		
11,000.00	7,246.43	11,102.47	6,968.22	118.10	118.51	-83.91	-2,427.07	-2,696.49	2,624.62	2,388.59	236.04	11.120		
11,100.00	7,246.60	11,202.36	6,968.47	120.84	121.21	-83.93	-2,426.66	-2,796.38	2,629.25	2,387.80	241.45	10.890		
11,200.00	7,246.77	11,302.25	6,968.72	123.58	123.91	-83.94	-2,426.25	-2,896.27	2,633.88	2,387.01	246.87	10.669		
11,300.00	7,246.93	11,402.14	6,968.97	126.34	126.62	-83.95	-2,425.84	-2,996.16	2,638.50	2,386.20	252.31	10.458		
11,340.34	7,247.00	11,442.44	6,969.07	127.45	127.72	-83.96	-2,425.67	-3,036.45	2,640.37	2,385.87	254.50	10.375		
11,400.00	7,247.10	11,502.06	6,969.22	129.09	129.34	-83.96	-2,425.43	-3,096.07	2,642.51	2,384.76	257.75	10.252		
11,500.00	7,247.27	11,602.05	6,969.47	131.84	132.07	-83.97	-2,425.02	-3,196.06	2,643.33	2,380.13	263.20	10.043		
11,586.15	7,247.43	11,688.17	6,969.69	134.20	134.42	-83.96	-2,424.67	-3,282.18	2,641.26	2,373.36	267.89	9.859		
11,600.00	7,247.45	11,702.01	6,969.73	134.57	134.80	-83.95	-2,424.61	-3,296.02	2,640.72	2,372.07	268.65	9.830		
11,700.00	7,247.64	11,801.93	6,969.98	137.31	137.53	-83.95	-2,424.20	-3,395.95	2,636.82	2,362.72	274.10	9.620		
11,800.00	7,247.82	11,901.86	6,970.23	140.05	140.27	-83.94	-2,423.79	-3,495.87	2,632.91	2,353.36	279.55	9.418		
11,900.00	7,248.00	12,001.78	6,970.48	142.79	143.02	-83.93	-2,423.38	-3,595.79	2,629.01	2,344.00	285.01	9.224		
12,000.00	7,248.18	12,101.70	6,970.73	145.53	145.76	-83.92	-2,422.97	-3,695.71	2,625.11	2,334.62	290.49	9.037		
12,100.00	7,248.37	12,201.63	6,970.98	148.28	148.52	-83.92	-2,422.57	-3,795.63	2,621.21	2,325.24	295.97	8.856		
12,200.00	7,248.55	12,301.55	6,971.24	151.04	151.28	-83.91	-2,422.16	-3,895.56	2,617.31	2,315.86	301.45	8.682		
12,300.00	7,248.73	12,401.47	6,971.49	153.80	154.04	-83.90	-2,421.75	-3,995.48	2,613.41	2,306.46	306.94	8.514		
12,400.00	7,248.91	12,501.40	6,971.74	156.56	156.80	-83.89	-2,421.34	-4,095.40	2,609.50	2,297.06	312.44	8.352		
12,500.00	7,249.10	12,601.32	6,971.99	159.32	159.57	-83.89	-2,420.93	-4,195.32	2,605.60	2,287.65	317.95	8.195		
12,600.00	7,249.28	12,701.24	6,972.24	162.09	162.34	-83.88	-2,420.52	-4,295.24	2,601.70	2,278.24	323.46	8.043		
12,700.00	7,249.46	12,801.17	6,972.49	164.86	165.12	-83.87	-2,420.11	-4,395.17	2,597.80	2,268.82	328.97	7.897		
12,800.00	7,249.64	12,901.09	6,972.75	167.63	167.90	-83.86	-2,419.70	-4,495.09	2,593.90	2,259.40	334.50	7.755		
12,900.00	7,249.83	13,001.01	6,973.00	170.40	170.68	-83.86	-2,419.29	-4,595.01	2,590.00	2,249.98	340.02	7.617		
13,000.00	7,250.01	13,002.01	6,973.00	173.18	170.70	-83.86	-2,419.29	-4,596.01	2,587.99	2,245.78	342.21	7.563		
13,002.04	7,250.01	13,002.01	6,973.00	173.23	170.70	-83.86	-2,419.29	-4,596.01	2,587.99	2,245.74	342.25	7.562		
13,100.00	7,250.19	13,002.01	6,973.00	175.96	170.70	-83.86	-2,419.29	-4,596.01	2,589.84	2,245.95	343.89	7.531		
13,200.00	7,250.37	13,002.01	6,973.00	178.74	170.70	-83.86	-2,419.29	-4,596.01	2,595.55	2,250.47	345.07	7.522 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,300.00	7,250.56	13,002.01	6,973.00	181.52	170.70	-83.86	-2,419.29	-4,596.01	2,605.08	2,259.31	345.77	7.534		
13,400.00	7,250.74	13,002.01	6,973.00	184.31	170.70	-83.86	-2,419.29	-4,596.01	2,618.40	2,272.41	346.00	7.568		
13,500.00	7,250.92	13,002.01	6,973.00	187.09	170.70	-83.86	-2,419.29	-4,596.01	2,635.46	2,289.70	345.75	7.622		
13,600.00	7,251.10	13,002.01	6,973.00	189.88	170.70	-83.86	-2,419.29	-4,596.01	2,656.17	2,311.10	345.06	7.698		
13,700.00	7,251.29	13,002.01	6,973.00	192.67	170.70	-83.86	-2,419.29	-4,596.01	2,680.45	2,336.50	343.95	7.793		
13,800.00	7,251.47	13,002.01	6,973.00	195.47	170.70	-83.86	-2,419.29	-4,596.01	2,708.21	2,365.77	342.45	7.908		
13,900.00	7,251.65	13,002.01	6,973.00	198.26	170.70	-83.86	-2,419.29	-4,596.01	2,739.34	2,398.77	340.58	8.043		
14,000.00	7,251.83	13,002.01	6,973.00	201.05	170.70	-83.86	-2,419.29	-4,596.01	2,773.73	2,435.36	338.37	8.197		
14,100.00	7,252.01	13,002.01	6,973.00	203.85	170.70	-83.86	-2,419.29	-4,596.01	2,811.26	2,475.38	335.88	8.370		
14,200.00	7,252.20	13,002.01	6,973.00	206.65	170.70	-83.86	-2,419.29	-4,596.01	2,851.80	2,518.69	333.11	8.561		
14,300.00	7,252.38	13,002.01	6,973.00	209.45	170.70	-83.86	-2,419.29	-4,596.01	2,895.23	2,565.11	330.13	8.770		
14,400.00	7,252.56	13,002.01	6,973.00	212.25	170.70	-83.86	-2,419.29	-4,596.01	2,941.42	2,614.48	326.94	8.997		
14,500.00	7,252.74	13,002.01	6,973.00	215.05	170.70	-83.86	-2,419.29	-4,596.01	2,990.24	2,666.65	323.59	9.241		
14,600.00	7,252.93	13,002.01	6,973.00	217.86	170.70	-83.86	-2,419.29	-4,596.01	3,041.57	2,721.46	320.11	9.502		
14,700.00	7,253.11	13,002.01	6,973.00	220.66	170.70	-83.86	-2,419.29	-4,596.01	3,095.28	2,778.76	316.52	9.779		
14,800.00	7,253.29	13,002.01	6,973.00	223.47	170.70	-83.86	-2,419.29	-4,596.01	3,151.24	2,838.39	312.85	10.073		
14,900.00	7,253.47	13,002.01	6,973.00	226.27	170.70	-83.86	-2,419.29	-4,596.01	3,209.35	2,900.23	309.12	10.382		
15,000.00	7,253.66	13,002.01	6,973.00	229.08	170.70	-83.86	-2,419.29	-4,596.01	3,269.48	2,964.12	305.36	10.707		
15,100.00	7,253.84	13,002.01	6,973.00	231.89	170.70	-83.86	-2,419.29	-4,596.01	3,331.53	3,029.96	301.57	11.047		
15,200.00	7,254.02	13,002.01	6,973.00	234.70	170.70	-83.86	-2,419.29	-4,596.01	3,395.39	3,097.60	297.79	11.402		
15,300.00	7,254.20	13,002.01	6,973.00	237.51	170.70	-83.86	-2,419.29	-4,596.01	3,460.96	3,166.94	294.02	11.771		
15,400.00	7,254.39	13,002.01	6,973.00	240.32	170.70	-83.86	-2,419.29	-4,596.01	3,528.15	3,237.87	290.28	12.154		
15,500.00	7,254.57	13,002.01	6,973.00	243.13	170.70	-83.86	-2,419.29	-4,596.01	3,596.87	3,310.30	286.57	12.551		
15,600.00	7,254.75	13,002.01	6,973.00	245.94	170.70	-83.86	-2,419.29	-4,596.01	3,667.02	3,384.11	282.91	12.962		
15,700.00	7,254.93	13,002.01	6,973.00	248.76	170.70	-83.86	-2,419.29	-4,596.01	3,738.53	3,459.23	279.30	13.385		
15,800.00	7,255.12	13,002.01	6,973.00	251.57	170.70	-83.86	-2,419.29	-4,596.01	3,811.33	3,535.58	275.75	13.821		
15,900.00	7,255.30	13,002.01	6,973.00	254.39	170.70	-83.86	-2,419.29	-4,596.01	3,885.33	3,613.06	272.27	14.270		
16,000.00	7,255.48	13,002.01	6,973.00	257.20	170.70	-83.86	-2,419.29	-4,596.01	3,960.48	3,691.62	268.86	14.731		
16,100.00	7,255.66	13,002.01	6,973.00	260.02	170.70	-83.86	-2,419.29	-4,596.01	4,036.71	3,771.19	265.51	15.203		
16,200.00	7,255.85	13,002.01	6,973.00	262.84	170.70	-83.86	-2,419.29	-4,596.01	4,113.95	3,851.70	262.25	15.687		
16,300.00	7,256.03	13,002.01	6,973.00	265.65	170.70	-83.86	-2,419.29	-4,596.01	4,192.16	3,933.10	259.06	16.182		
16,400.00	7,256.21	13,002.01	6,973.00	268.47	170.70	-83.86	-2,419.29	-4,596.01	4,271.27	4,015.33	255.94	16.688		
16,500.00	7,256.39	13,002.01	6,973.00	271.29	170.70	-83.86	-2,419.29	-4,596.01	4,351.25	4,098.34	252.91	17.205		
16,600.00	7,256.58	13,002.01	6,973.00	274.11	170.70	-83.86	-2,419.29	-4,596.01	4,432.04	4,182.09	249.95	17.732		
16,700.00	7,256.76	13,002.01	6,973.00	276.93	170.70	-83.86	-2,419.29	-4,596.01	4,513.60	4,266.53	247.07	18.269		
16,800.00	7,256.94	13,002.01	6,973.00	279.75	170.70	-83.86	-2,419.29	-4,596.01	4,595.88	4,351.62	244.27	18.815		
16,900.00	7,257.12	13,002.01	6,973.00	282.57	170.70	-83.86	-2,419.29	-4,596.01	4,678.86	4,437.32	241.54	19.371		
17,000.00	7,257.30	13,002.01	6,973.00	285.40	170.70	-83.86	-2,419.29	-4,596.01	4,762.49	4,523.60	238.89	19.936		
17,100.00	7,257.49	13,002.01	6,973.00	288.22	170.70	-83.86	-2,419.29	-4,596.01	4,846.74	4,610.43	236.31	20.510		
17,200.00	7,257.67	13,002.01	6,973.00	291.04	170.70	-83.86	-2,419.29	-4,596.01	4,931.58	4,697.78	233.81	21.092		
17,300.00	7,257.85	13,002.01	6,973.00	293.87	170.70	-83.86	-2,419.29	-4,596.01	5,016.98	4,785.61	231.37	21.683		
17,400.00	7,258.03	13,002.01	6,973.00	296.69	170.70	-83.86	-2,419.29	-4,596.01	5,102.91	4,873.90	229.01	22.282		
17,500.00	7,258.22	13,002.01	6,973.00	299.51	170.70	-83.86	-2,419.29	-4,596.01	5,189.34	4,962.63	226.72	22.889		
17,600.00	7,258.40	13,002.01	6,973.00	302.34	170.70	-83.86	-2,419.29	-4,596.01	5,276.26	5,051.77	224.49	23.504		
17,700.00	7,258.58	13,002.01	6,973.00	305.16	170.70	-83.86	-2,419.29	-4,596.01	5,363.62	5,141.30	222.32	24.125		
17,800.00	7,258.76	13,002.01	6,973.00	307.99	170.70	-83.86	-2,419.29	-4,596.01	5,451.43	5,231.21	220.22	24.754		
17,900.00	7,258.95	13,002.01	6,973.00	310.82	170.70	-83.86	-2,419.29	-4,596.01	5,539.64	5,321.46	218.18	25.390		
18,000.00	7,259.13	13,002.01	6,973.00	313.64	170.70	-83.86	-2,419.29	-4,596.01	5,628.25	5,412.05	216.20	26.033		
18,100.00	7,259.31	13,002.01	6,973.00	316.47	170.70	-83.86	-2,419.29	-4,596.01	5,717.24	5,502.96	214.28	26.681		
18,200.00	7,259.49	13,002.01	6,973.00	319.30	170.70	-83.86	-2,419.29	-4,596.01	5,806.58	5,594.17	212.41	27.337		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
18,300.00	7,259.68	13,002.01	6,973.00	322.12	170.70	-83.86	-2,419.29	-4,596.01	5,896.27	5,685.67	210.60	27.998		
18,400.00	7,259.86	13,002.01	6,973.00	324.95	170.70	-83.86	-2,419.29	-4,596.01	5,986.28	5,777.45	208.84	28.665		
18,500.00	7,260.04	13,002.01	6,973.00	327.78	170.70	-83.86	-2,419.29	-4,596.01	6,076.61	5,869.48	207.13	29.337		
18,600.00	7,260.22	13,002.01	6,973.00	330.61	170.70	-83.86	-2,419.29	-4,596.01	6,167.24	5,961.77	205.47	30.015		
18,700.00	7,260.41	13,002.01	6,973.00	333.44	170.70	-83.86	-2,419.29	-4,596.01	6,258.15	6,054.29	203.86	30.699		
18,800.00	7,260.59	13,002.01	6,973.00	336.27	170.70	-83.86	-2,419.29	-4,596.01	6,349.33	6,147.04	202.29	31.387		
18,900.00	7,260.77	13,002.01	6,973.00	339.10	170.70	-83.86	-2,419.29	-4,596.01	6,440.77	6,240.00	200.77	32.080		
19,000.00	7,260.95	13,002.01	6,973.00	341.93	170.70	-83.86	-2,419.29	-4,596.01	6,532.47	6,333.17	199.30	32.778		
19,025.91	7,261.00	13,002.01	6,973.00	342.66	170.70	-83.86	-2,419.29	-4,596.01	6,556.27	6,357.35	198.92	32.959		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-179.97	-1.67	179.97					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-179.97	-1.67	179.97	173.41	6.57	27.396		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-179.97	-1.67	179.97	173.30	6.67	26.966 CC, ES		
300.00	299.98	294.76	294.74	3.44	3.43	90.08	-181.35	-0.93	181.42	174.54	6.88	26.355		
400.00	399.84	389.35	389.21	3.60	3.57	90.81	-185.47	1.30	185.78	178.58	7.20	25.815		
500.00	499.45	483.62	483.16	3.81	3.76	91.96	-192.32	4.99	193.11	185.51	7.60	25.397		
600.00	598.70	577.41	576.32	4.05	3.98	93.41	-201.82	10.11	203.49	195.40	8.09	25.152		
700.00	697.47	670.56	668.45	4.34	4.23	95.04	-213.91	16.62	217.01	208.36	8.64	25.104		
800.00	795.62	762.93	759.32	4.66	4.52	96.74	-228.50	24.48	233.73	224.47	9.26	25.250		
849.22	843.68	808.07	803.51	4.84	4.67	97.57	-236.56	28.83	243.14	233.57	9.58	25.390		
900.00	893.16	854.43	848.76	5.02	4.84	98.54	-245.48	33.64	253.62	243.70	9.92	25.575		
1,000.00	990.60	945.21	936.83	5.41	5.19	99.91	-264.81	44.05	276.21	265.59	10.62	26.009		
1,100.00	1,088.05	1,035.13	1,023.35	5.83	5.56	100.71	-286.37	55.67	301.23	289.87	11.35	26.531		
1,200.00	1,185.49	1,124.03	1,108.09	6.26	5.96	101.05	-310.02	68.42	328.53	316.42	12.11	27.124		
1,300.00	1,282.93	1,211.77	1,190.86	6.70	6.39	101.03	-335.62	82.21	358.04	345.15	12.89	27.780		
1,400.00	1,380.37	1,298.20	1,271.50	7.15	6.83	100.74	-363.01	96.97	389.70	376.02	13.68	28.494		
1,500.00	1,477.82	1,383.20	1,349.85	7.62	7.31	100.25	-392.02	112.61	423.50	409.02	14.47	29.259		
1,600.00	1,575.26	1,474.19	1,432.94	8.09	7.84	99.63	-424.66	130.20	458.84	443.50	15.34	29.913		
1,700.00	1,672.70	1,567.59	1,518.20	8.57	8.41	99.08	-458.23	148.29	494.30	478.05	16.25	30.423		
1,800.00	1,770.15	1,660.99	1,603.47	9.05	8.99	98.60	-491.80	166.38	529.80	512.62	17.17	30.849		
1,900.00	1,867.59	1,754.40	1,688.73	9.54	9.58	98.18	-525.38	184.47	565.32	547.20	18.11	31.207		
2,000.00	1,965.03	1,847.80	1,773.99	10.03	10.18	97.81	-558.95	202.56	600.86	581.80	19.07	31.511		
2,100.00	2,062.48	1,941.20	1,859.25	10.53	10.79	97.48	-592.52	220.65	636.43	616.40	20.03	31.769		
2,200.00	2,159.92	2,034.61	1,944.51	11.03	11.41	97.18	-626.09	238.74	672.01	651.00	21.01	31.989		
2,300.00	2,257.36	2,128.01	2,029.78	11.53	12.03	96.92	-659.66	256.84	707.61	685.62	21.99	32.180		
2,400.00	2,354.81	2,221.41	2,115.04	12.03	12.66	96.68	-693.23	274.93	743.22	720.24	22.98	32.344		
2,500.00	2,452.25	2,314.81	2,200.30	12.54	13.29	96.46	-726.81	293.02	778.83	754.86	23.97	32.487		
2,600.00	2,549.69	2,408.22	2,285.56	13.04	13.92	96.26	-760.38	311.11	814.46	789.49	24.97	32.612		
2,700.00	2,647.13	2,501.62	2,370.83	13.55	14.56	96.08	-793.95	329.20	850.10	824.12	25.98	32.721		
2,800.00	2,744.58	2,595.02	2,456.09	14.06	15.20	95.91	-827.52	347.29	885.74	858.75	26.99	32.817		
2,900.00	2,842.02	2,688.42	2,541.35	14.57	15.84	95.76	-861.09	365.39	921.39	893.38	28.00	32.902		
3,000.00	2,939.46	2,781.83	2,626.61	15.09	16.48	95.62	-894.66	383.48	957.04	928.02	29.02	32.977		
3,100.00	3,036.91	2,875.23	2,711.88	15.60	17.13	95.49	-928.24	401.57	992.70	962.66	30.04	33.044		
3,200.00	3,134.35	2,968.63	2,797.14	16.11	17.78	95.36	-961.81	419.66	1,028.36	997.30	31.06	33.104		
3,300.00	3,231.79	3,062.03	2,882.40	16.63	18.43	95.25	-995.38	437.75	1,064.03	1,031.94	32.09	33.157		
3,400.00	3,329.24	3,155.44	2,967.66	17.14	19.08	95.14	-1,028.95	455.84	1,099.70	1,066.58	33.12	33.205		
3,500.00	3,426.68	3,248.84	3,052.93	17.66	19.73	95.04	-1,062.52	473.94	1,135.37	1,101.22	34.15	33.248		
3,600.00	3,524.12	3,342.24	3,138.19	18.18	20.38	94.94	-1,096.09	492.03	1,171.05	1,135.87	35.18	33.287		
3,700.00	3,621.57	3,435.64	3,223.45	18.69	21.04	94.85	-1,129.67	510.12	1,206.72	1,170.51	36.21	33.322		
3,800.00	3,719.01	3,529.05	3,308.71	19.21	21.69	94.77	-1,163.24	528.21	1,242.41	1,205.16	37.25	33.354		
3,900.00	3,816.45	3,622.45	3,393.98	19.73	22.35	94.69	-1,196.81	546.30	1,278.09	1,239.80	38.29	33.383		
4,000.00	3,913.90	3,715.85	3,479.24	20.25	23.00	94.62	-1,230.38	564.39	1,313.77	1,274.45	39.32	33.409		
4,100.00	4,011.34	3,809.26	3,564.50	20.77	23.66	94.55	-1,263.95	582.49	1,349.46	1,309.10	40.36	33.433		
4,200.00	4,108.78	3,902.66	3,649.76	21.29	24.32	94.48	-1,297.52	600.58	1,385.15	1,343.75	41.40	33.455		
4,300.00	4,206.22	4,003.94	3,735.03	21.81	25.03	94.41	-1,331.10	618.67	1,420.84	1,378.35	42.49	33.438		
4,400.00	4,303.67	4,089.46	3,820.29	22.33	25.64	94.35	-1,364.67	636.76	1,456.53	1,413.05	43.49	33.493		
4,500.00	4,401.11	4,182.87	3,905.55	22.85	26.29	94.29	-1,398.24	654.85	1,492.23	1,447.70	44.53	33.510		
4,600.00	4,498.55	4,276.27	3,990.81	23.37	26.95	94.24	-1,431.81	672.94	1,527.92	1,482.35	45.58	33.525		
4,700.00	4,596.00	4,369.67	4,076.08	23.89	27.61	94.19	-1,465.38	691.04	1,563.62	1,517.00	46.62	33.539		
4,800.00	4,693.44	4,463.07	4,161.34	24.41	28.28	94.14	-1,498.96	709.13	1,599.31	1,551.65	47.67	33.552		
4,900.00	4,790.88	4,556.48	4,246.60	24.93	28.94	94.09	-1,532.53	727.22	1,635.01	1,586.30	48.71	33.564		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,649.88	4,331.86	25.46	29.60	94.04	-1,566.10	745.31	1,670.71	1,620.95	49.76	33.575		
5,100.00	4,985.77	4,743.28	4,417.13	25.98	30.26	94.00	-1,599.67	763.40	1,706.41	1,655.60	50.81	33.585		
5,200.00	5,083.21	4,836.68	4,502.39	26.50	30.92	93.96	-1,633.24	781.49	1,742.11	1,690.25	51.86	33.594		
5,300.00	5,180.66	4,930.09	4,587.65	27.02	31.58	93.91	-1,666.81	799.59	1,777.81	1,724.90	52.91	33.603		
5,400.00	5,278.10	5,023.49	4,672.91	27.55	32.25	93.88	-1,700.39	817.68	1,813.51	1,759.56	53.96	33.611		
5,500.00	5,375.54	5,116.89	4,758.18	28.07	32.91	93.84	-1,733.96	835.77	1,849.22	1,794.21	55.01	33.618		
5,582.90	5,456.32	5,194.32	4,828.86	28.50	33.46	93.81	-1,761.79	850.77	1,878.81	1,822.94	55.88	33.623		
5,600.00	5,473.00	5,210.30	4,843.44	28.59	33.57	93.93	-1,767.53	853.86	1,884.92	1,828.86	56.06	33.625		
5,700.00	5,570.93	5,303.70	4,928.70	29.10	34.23	94.58	-1,801.10	871.95	1,920.47	1,863.38	57.08	33.643		
5,800.00	5,669.52	5,403.00	5,013.88	29.57	34.94	95.12	-1,834.64	890.02	1,955.77	1,897.66	58.11	33.657		
5,900.00	5,768.62	5,509.89	5,098.87	30.03	35.70	95.55	-1,868.10	908.06	1,990.82	1,931.68	59.14	33.660		
6,000.00	5,868.13	5,582.90	5,183.57	30.45	36.22	95.89	-1,901.45	926.03	2,025.63	1,965.69	59.94	33.793		
6,100.00	5,967.93	5,675.25	5,267.87	30.86	36.87	96.14	-1,934.65	943.92	2,060.21	1,999.38	60.82	33.872		
6,200.00	6,067.88	5,767.06	5,351.68	31.24	37.53	96.30	-1,967.65	961.70	2,094.60	2,032.93	61.67	33.964		
6,232.12	6,100.00	5,803.58	5,378.48	31.36	37.79	-172.96	-1,978.20	967.39	2,105.61	2,043.63	61.98	33.974		
6,300.00	6,167.88	5,858.38	5,435.04	31.61	38.18	-173.37	-2,000.47	979.39	2,128.93	2,066.44	62.49	34.071		
6,400.00	6,267.88	5,949.66	5,518.37	31.97	38.83	-173.98	-2,033.28	997.07	2,163.46	2,100.16	63.30	34.179		
6,500.00	6,367.88	6,040.95	5,601.70	32.34	39.48	-174.56	-2,066.09	1,014.75	2,198.21	2,134.10	64.11	34.286		
6,600.00	6,467.88	6,132.23	5,685.03	32.70	40.12	-175.13	-2,098.90	1,032.44	2,233.17	2,168.23	64.93	34.393		
6,700.00	6,567.88	6,223.52	5,768.36	33.07	40.77	-175.68	-2,131.71	1,050.12	2,268.32	2,202.57	65.75	34.499		
6,736.50	6,604.38	6,256.84	5,798.77	33.21	41.01	-175.88	-2,143.69	1,056.57	2,281.20	2,215.15	66.05	34.537		
6,750.00	6,617.88	6,269.13	5,809.99	33.25	41.10	-88.40	-2,148.11	1,058.95	2,285.96	2,219.80	66.16	34.552		
6,800.00	6,667.77	6,314.04	5,850.99	33.43	41.42	-87.04	-2,164.25	1,067.65	2,303.58	2,237.03	66.55	34.617		
6,850.00	6,717.28	6,357.76	5,890.90	33.60	41.73	-85.78	-2,179.96	1,076.12	2,321.10	2,254.19	66.92	34.687		
6,900.00	6,766.09	6,400.03	5,929.49	33.79	42.03	-84.59	-2,195.16	1,084.31	2,338.50	2,271.23	67.27	34.762		
6,950.00	6,813.90	6,440.59	5,966.51	33.99	42.32	-83.47	-2,209.73	1,092.16	2,355.76	2,288.14	67.62	34.840		
7,000.00	6,860.42	6,479.19	6,001.74	34.20	42.59	-82.41	-2,223.61	1,099.64	2,372.87	2,304.92	67.95	34.920		
7,050.00	6,905.36	6,515.58	6,034.96	34.42	42.85	-81.40	-2,236.69	1,106.69	2,389.84	2,321.56	68.28	35.001		
7,100.00	6,948.45	6,549.54	6,065.97	34.67	43.10	-80.41	-2,248.90	1,113.27	2,406.65	2,338.05	68.60	35.082		
7,150.00	6,989.41	6,580.88	6,094.57	34.94	43.32	-79.43	-2,260.16	1,119.33	2,423.33	2,354.41	68.92	35.162		
7,200.00	7,028.00	6,609.38	6,120.59	35.24	43.52	-78.44	-2,270.40	1,124.86	2,439.88	2,370.64	69.24	35.238		
7,250.00	7,063.98	6,634.88	6,143.86	35.56	43.70	-77.45	-2,279.57	1,129.79	2,456.29	2,386.73	69.56	35.311		
7,300.00	7,097.13	6,657.21	6,164.25	35.92	43.86	-76.42	-2,287.59	1,134.12	2,472.58	2,402.69	69.89	35.378		
7,350.00	7,127.23	6,676.25	6,181.63	36.32	44.00	-75.36	-2,294.44	1,137.81	2,488.72	2,418.50	70.23	35.438		
7,400.00	7,154.12	6,708.13	6,195.89	36.75	44.23	-74.25	-2,300.05	1,140.83	2,504.71	2,434.04	70.67	35.443		
7,450.00	7,177.61	6,703.98	6,206.94	37.22	44.20	-73.09	-2,304.40	1,143.18	2,520.50	2,449.56	70.93	35.533		
7,500.00	7,197.57	6,712.50	6,214.72	37.73	44.26	-71.89	-2,307.47	1,144.83	2,536.05	2,464.75	71.30	35.567		
7,550.00	7,213.88	6,717.38	6,219.18	38.28	44.29	-70.63	-2,309.22	1,145.77	2,551.32	2,479.64	71.68	35.591		
7,600.00	7,226.42	6,718.59	6,220.28	38.87	44.30	-69.34	-2,309.65	1,146.01	2,566.24	2,494.17	72.07	35.607		
7,650.00	7,235.13	6,716.12	6,218.03	39.48	44.28	-68.02	-2,308.77	1,145.53	2,580.72	2,508.25	72.46	35.615		
7,700.00	7,239.95	6,709.99	6,212.43	40.12	44.24	-66.67	-2,306.56	1,144.34	2,594.67	2,521.82	72.85	35.616		
7,735.44	7,241.00	6,703.45	6,206.46	40.59	44.19	-65.71	-2,304.21	1,143.08	2,604.18	2,531.06	73.12	35.614		
7,800.00	7,241.11	6,689.88	6,194.07	41.47	44.10	-65.41	-2,299.34	1,140.45	2,621.90	2,548.27	73.64	35.606		
7,900.00	7,241.27	6,668.86	6,174.89	42.96	43.95	-64.94	-2,291.78	1,136.38	2,652.09	2,577.57	74.52	35.590		
8,000.00	7,241.44	6,647.85	6,155.71	44.59	43.80	-64.47	-2,284.23	1,132.31	2,685.50	2,610.02	75.48	35.581		
8,100.00	7,241.61	8,411.22	7,122.95	46.34	52.55	-87.48	-2,658.34	202.80	2,696.67	2,600.90	95.77	28.157		
8,200.00	7,241.77	8,511.10	7,123.77	48.20	53.78	-87.50	-2,658.06	102.92	2,701.43	2,602.09	99.34	27.193		
8,300.00	7,241.94	8,610.98	7,124.58	50.16	55.17	-87.52	-2,657.79	3.04	2,706.20	2,603.09	103.10	26.247		
8,400.00	7,242.11	8,710.87	7,125.39	52.20	56.72	-87.53	-2,657.51	-96.84	2,710.96	2,603.92	107.04	25.327		
8,500.00	7,242.27	8,810.75	7,126.21	54.31	58.41	-87.55	-2,657.24	-196.71	2,715.72	2,604.59	111.13	24.437		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)			
8,600.00	7,242.44	8,910.63	7,127.02	56.49	60.21	-87.57	-2,656.97	-296.59	2,720.49	2,605.13	115.36	23.583		
8,700.00	7,242.60	9,010.51	7,127.83	58.73	62.13	-87.59	-2,656.69	-396.47	2,725.25	2,605.54	119.71	22.765		
8,800.00	7,242.77	9,110.40	7,128.64	61.03	64.14	-87.61	-2,656.42	-496.35	2,730.02	2,605.84	124.18	21.985		
8,900.00	7,242.94	9,210.28	7,129.46	63.37	66.23	-87.62	-2,656.14	-596.23	2,734.78	2,606.04	128.74	21.243		
9,000.00	7,243.10	9,310.16	7,130.27	65.75	68.39	-87.64	-2,655.87	-696.11	2,739.55	2,606.15	133.39	20.538		
9,100.00	7,243.27	9,410.05	7,131.08	68.18	70.60	-87.66	-2,655.59	-795.99	2,744.31	2,606.19	138.12	19.868		
9,200.00	7,243.44	9,509.93	7,131.89	70.63	72.88	-87.68	-2,655.32	-895.87	2,749.08	2,606.15	142.93	19.234		
9,300.00	7,243.60	9,609.81	7,132.71	73.12	75.20	-87.69	-2,655.05	-995.75	2,753.84	2,606.04	147.80	18.632		
9,400.00	7,243.77	9,709.69	7,133.52	75.63	77.56	-87.71	-2,654.77	-1,095.63	2,758.61	2,605.88	152.73	18.062		
9,500.00	7,243.94	9,809.58	7,134.33	78.17	79.96	-87.73	-2,654.50	-1,195.51	2,763.38	2,605.66	157.71	17.522		
9,600.00	7,244.10	9,909.46	7,135.15	80.73	82.39	-87.75	-2,654.22	-1,295.39	2,768.14	2,605.40	162.75	17.009		
9,700.00	7,244.27	10,009.34	7,135.96	83.31	84.85	-87.76	-2,653.95	-1,395.26	2,772.91	2,605.09	167.82	16.523		
9,800.00	7,244.44	10,109.23	7,136.77	85.91	87.34	-87.78	-2,653.67	-1,495.14	2,777.68	2,604.74	172.94	16.062		
9,900.00	7,244.60	10,209.11	7,137.58	88.53	89.85	-87.80	-2,653.40	-1,595.02	2,782.44	2,604.35	178.09	15.624		
10,000.00	7,244.77	10,308.99	7,138.40	91.16	92.39	-87.81	-2,653.13	-1,694.90	2,787.21	2,603.93	183.28	15.208		
10,100.00	7,244.94	10,408.87	7,139.21	93.81	94.94	-87.83	-2,652.85	-1,794.78	2,791.98	2,603.48	188.50	14.812		
10,200.00	7,245.10	10,508.76	7,140.02	96.46	97.51	-87.85	-2,652.58	-1,894.66	2,796.75	2,603.00	193.74	14.435		
10,300.00	7,245.27	10,608.64	7,140.83	99.14	100.10	-87.87	-2,652.30	-1,994.54	2,801.51	2,602.50	199.02	14.077		
10,400.00	7,245.43	10,708.52	7,141.65	101.82	102.71	-87.88	-2,652.03	-2,094.42	2,806.28	2,601.97	204.31	13.735		
10,500.00	7,245.60	10,808.41	7,142.46	104.51	105.33	-87.90	-2,651.75	-2,194.30	2,811.05	2,601.42	209.63	13.409		
10,600.00	7,245.77	10,908.29	7,143.27	107.21	107.96	-87.92	-2,651.48	-2,294.18	2,815.82	2,600.85	214.97	13.098		
10,700.00	7,245.93	11,008.17	7,144.08	109.92	110.60	-87.93	-2,651.20	-2,394.06	2,820.59	2,600.26	220.33	12.801		
10,800.00	7,246.10	11,108.05	7,144.90	112.64	113.26	-87.95	-2,650.93	-2,493.94	2,825.36	2,599.65	225.71	12.518		
10,900.00	7,246.27	11,207.94	7,145.71	115.37	115.92	-87.97	-2,650.66	-2,593.81	2,830.13	2,599.02	231.11	12.246		
11,000.00	7,246.43	11,307.82	7,146.52	118.10	118.59	-87.98	-2,650.38	-2,693.69	2,834.90	2,598.38	236.52	11.986		
11,100.00	7,246.60	11,407.70	7,147.34	120.84	121.28	-88.00	-2,650.11	-2,793.57	2,839.67	2,597.73	241.94	11.737		
11,200.00	7,246.77	11,507.59	7,148.15	123.58	123.97	-88.02	-2,649.83	-2,893.45	2,844.44	2,597.06	247.38	11.498		
11,300.00	7,246.93	11,607.47	7,148.96	126.34	126.67	-88.03	-2,649.56	-2,993.33	2,849.21	2,596.38	252.83	11.269		
11,340.34	7,247.00	11,647.76	7,149.29	127.45	127.76	-88.04	-2,649.45	-3,033.62	2,851.14	2,596.10	255.03	11.179		
11,400.00	7,247.10	11,707.38	7,149.77	129.09	129.37	-88.05	-2,649.28	-3,093.24	2,853.36	2,595.07	258.29	11.047		
11,500.00	7,247.27	11,807.36	7,150.59	131.84	132.09	-88.06	-2,649.01	-3,193.22	2,854.31	2,590.55	263.76	10.822		
11,586.15	7,247.43	11,906.52	7,151.29	134.20	134.79	-88.06	-2,648.77	-3,279.34	2,852.33	2,583.50	268.83	10.610		
11,600.00	7,247.45	11,907.33	7,151.40	134.57	134.81	-88.06	-2,648.74	-3,293.18	2,851.80	2,582.58	269.23	10.593		
11,700.00	7,247.64	12,007.25	7,152.21	137.31	137.53	-88.07	-2,648.46	-3,393.10	2,848.00	2,573.31	274.69	10.368		
11,800.00	7,247.82	12,107.18	7,153.03	140.05	140.27	-88.08	-2,648.19	-3,493.02	2,844.20	2,564.03	280.17	10.152		
11,900.00	7,248.00	12,207.11	7,153.84	142.79	143.00	-88.09	-2,647.91	-3,592.95	2,840.40	2,554.74	285.66	9.943		
12,000.00	7,248.18	12,307.03	7,154.65	145.53	145.74	-88.11	-2,647.64	-3,692.87	2,836.60	2,545.44	291.16	9.743		
12,100.00	7,248.37	12,406.96	7,155.47	148.28	148.49	-88.12	-2,647.36	-3,792.79	2,832.80	2,536.14	296.66	9.549		
12,200.00	7,248.55	12,506.89	7,156.28	151.04	151.24	-88.13	-2,647.09	-3,892.72	2,829.00	2,526.83	302.17	9.362		
12,300.00	7,248.73	12,606.81	7,157.09	153.80	153.99	-88.14	-2,646.81	-3,992.64	2,825.20	2,517.51	307.69	9.182		
12,400.00	7,248.91	12,706.74	7,157.91	156.56	156.75	-88.15	-2,646.54	-4,092.56	2,821.40	2,508.19	313.21	9.008		
12,500.00	7,249.10	12,806.67	7,158.72	159.32	159.51	-88.16	-2,646.26	-4,192.48	2,817.60	2,498.86	318.74	8.840		
12,600.00	7,249.28	12,906.59	7,159.53	162.09	162.28	-88.17	-2,645.99	-4,292.41	2,813.80	2,489.52	324.28	8.677		
12,700.00	7,249.46	13,006.52	7,160.34	164.86	165.05	-88.18	-2,645.72	-4,392.33	2,810.00	2,480.18	329.82	8.520		
12,800.00	7,249.64	13,106.45	7,161.16	167.63	167.82	-88.19	-2,645.44	-4,492.25	2,806.20	2,470.83	335.37	8.368		
12,900.00	7,249.83	13,206.37	7,161.97	170.40	170.59	-88.20	-2,645.17	-4,592.18	2,802.40	2,461.48	340.92	8.220		
13,000.00	7,250.01	13,310.89	7,162.01	173.18	170.72	-88.20	-2,645.15	-4,596.69	2,800.23	2,456.95	343.27	8.157		
13,010.99	7,250.03	13,310.89	7,162.01	173.48	170.72	-88.20	-2,645.15	-4,596.69	2,800.21	2,456.71	343.49	8.152		
13,100.00	7,250.19	13,310.89	7,162.01	175.96	170.72	-88.20	-2,645.15	-4,596.69	2,801.62	2,456.55	345.07	8.119		
13,200.00	7,250.37	13,310.89	7,162.01	178.74	170.72	-88.20	-2,645.15	-4,596.69	2,806.58	2,460.12	346.46	8.101 SF		
13,300.00	7,250.56	13,310.89	7,162.01	181.52	170.72	-88.20	-2,645.15	-4,596.69	2,815.08	2,467.66	347.42	8.103		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
13,400.00	7,250.74	13,210.89	7,162.01	184.31	170.72	-88.20	-2,645.15	-4,596.69	2,827.10	2,479.12	347.97	8.124		
13,500.00	7,250.92	13,210.89	7,162.01	187.09	170.72	-88.20	-2,645.15	-4,596.69	2,842.58	2,494.46	348.12	8.166		
13,600.00	7,251.10	13,210.89	7,162.01	189.88	170.72	-88.20	-2,645.15	-4,596.69	2,861.48	2,513.61	347.87	8.226		
13,700.00	7,251.29	13,210.89	7,162.01	192.67	170.72	-88.20	-2,645.15	-4,596.69	2,883.73	2,536.48	347.25	8.304		
13,800.00	7,251.47	13,210.89	7,162.01	195.47	170.72	-88.20	-2,645.15	-4,596.69	2,909.24	2,562.97	346.27	8.402		
13,900.00	7,251.65	13,210.89	7,162.01	198.26	170.72	-88.20	-2,645.15	-4,596.69	2,937.94	2,592.98	344.96	8.517		
14,000.00	7,251.83	13,210.89	7,162.01	201.05	170.72	-88.20	-2,645.15	-4,596.69	2,969.73	2,626.39	343.34	8.650		
14,100.00	7,252.01	13,210.89	7,162.01	203.85	170.72	-88.20	-2,645.15	-4,596.69	3,004.51	2,663.08	341.43	8.800		
14,200.00	7,252.20	13,210.89	7,162.01	206.65	170.72	-88.20	-2,645.15	-4,596.69	3,042.19	2,702.91	339.27	8.967		
14,300.00	7,252.38	13,210.89	7,162.01	209.45	170.72	-88.20	-2,645.15	-4,596.69	3,082.64	2,745.76	336.88	9.151		
14,400.00	7,252.56	13,210.89	7,162.01	212.25	170.72	-88.20	-2,645.15	-4,596.69	3,125.78	2,791.49	334.29	9.351		
14,500.00	7,252.74	13,210.89	7,162.01	215.05	170.72	-88.20	-2,645.15	-4,596.69	3,171.48	2,839.97	331.51	9.567		
14,600.00	7,252.93	13,210.89	7,162.01	217.86	170.72	-88.20	-2,645.15	-4,596.69	3,219.64	2,891.05	328.59	9.798		
14,700.00	7,253.11	13,210.89	7,162.01	220.66	170.72	-88.20	-2,645.15	-4,596.69	3,270.15	2,944.61	325.54	10.045		
14,800.00	7,253.29	13,210.89	7,162.01	223.47	170.72	-88.20	-2,645.15	-4,596.69	3,322.91	3,000.52	322.39	10.307		
14,900.00	7,253.47	13,210.89	7,162.01	226.27	170.72	-88.20	-2,645.15	-4,596.69	3,377.80	3,058.65	319.15	10.584		
15,000.00	7,253.66	13,210.89	7,162.01	229.08	170.72	-88.20	-2,645.15	-4,596.69	3,434.72	3,118.88	315.85	10.875		
15,100.00	7,253.84	13,210.89	7,162.01	231.89	170.72	-88.20	-2,645.15	-4,596.69	3,493.58	3,181.08	312.50	11.180		
15,200.00	7,254.02	13,210.89	7,162.01	234.70	170.72	-88.20	-2,645.15	-4,596.69	3,554.28	3,245.16	309.12	11.498		
15,300.00	7,254.20	13,210.89	7,162.01	237.51	170.72	-88.20	-2,645.15	-4,596.69	3,616.73	3,311.01	305.72	11.830		
15,400.00	7,254.39	13,210.89	7,162.01	240.32	170.72	-88.20	-2,645.15	-4,596.69	3,680.83	3,378.51	302.32	12.175		
15,500.00	7,254.57	13,210.89	7,162.01	243.13	170.72	-88.20	-2,645.15	-4,596.69	3,746.51	3,447.57	298.93	12.533		
15,600.00	7,254.75	13,210.89	7,162.01	245.94	170.72	-88.20	-2,645.15	-4,596.69	3,813.68	3,518.11	295.56	12.903		
15,700.00	7,254.93	13,210.89	7,162.01	248.76	170.72	-88.20	-2,645.15	-4,596.69	3,882.26	3,590.04	292.22	13.286		
15,800.00	7,255.12	13,210.89	7,162.01	251.57	170.72	-88.20	-2,645.15	-4,596.69	3,952.18	3,663.27	288.91	13.680		
15,900.00	7,255.30	13,210.89	7,162.01	254.39	170.72	-88.20	-2,645.15	-4,596.69	4,023.37	3,737.74	285.64	14.086		
16,000.00	7,255.48	13,210.89	7,162.01	257.20	170.72	-88.20	-2,645.15	-4,596.69	4,095.77	3,813.36	282.41	14.503		
16,100.00	7,255.66	13,210.89	7,162.01	260.02	170.72	-88.20	-2,645.15	-4,596.69	4,169.31	3,890.07	279.24	14.931		
16,200.00	7,255.85	13,210.89	7,162.01	262.84	170.72	-88.20	-2,645.15	-4,596.69	4,243.93	3,967.80	276.12	15.370		
16,300.00	7,256.03	13,210.89	7,162.01	265.65	170.72	-88.20	-2,645.15	-4,596.69	4,319.58	4,046.51	273.07	15.819		
16,400.00	7,256.21	13,210.89	7,162.01	268.47	170.72	-88.20	-2,645.15	-4,596.69	4,396.20	4,126.13	270.07	16.278		
16,500.00	7,256.39	13,210.89	7,162.01	271.29	170.72	-88.20	-2,645.15	-4,596.69	4,473.74	4,206.61	267.13	16.747		
16,600.00	7,256.58	13,210.89	7,162.01	274.11	170.72	-88.20	-2,645.15	-4,596.69	4,552.16	4,287.90	264.25	17.226		
16,700.00	7,256.76	13,210.89	7,162.01	276.93	170.72	-88.20	-2,645.15	-4,596.69	4,631.41	4,369.96	261.44	17.715		
16,800.00	7,256.94	13,210.89	7,162.01	279.75	170.72	-88.20	-2,645.15	-4,596.69	4,711.45	4,452.75	258.70	18.212		
16,900.00	7,257.12	13,210.89	7,162.01	282.57	170.72	-88.20	-2,645.15	-4,596.69	4,792.24	4,536.22	256.02	18.718		
17,000.00	7,257.30	13,210.89	7,162.01	285.40	170.72	-88.20	-2,645.15	-4,596.69	4,873.74	4,620.34	253.40	19.233		
17,100.00	7,257.49	13,210.89	7,162.01	288.22	170.72	-88.20	-2,645.15	-4,596.69	4,955.92	4,705.07	250.85	19.756		
17,200.00	7,257.67	13,210.89	7,162.01	291.04	170.72	-88.20	-2,645.15	-4,596.69	5,038.75	4,790.38	248.36	20.288		
17,300.00	7,257.85	13,210.89	7,162.01	293.87	170.72	-88.20	-2,645.15	-4,596.69	5,122.18	4,876.25	245.94	20.827		
17,400.00	7,258.03	13,210.89	7,162.01	296.69	170.72	-88.20	-2,645.15	-4,596.69	5,206.20	4,962.63	243.58	21.374		
17,500.00	7,258.22	13,210.89	7,162.01	299.51	170.72	-88.20	-2,645.15	-4,596.69	5,290.78	5,049.51	241.27	21.928		
17,600.00	7,258.40	13,210.89	7,162.01	302.34	170.72	-88.20	-2,645.15	-4,596.69	5,375.89	5,136.85	239.03	22.490		
17,700.00	7,258.58	13,210.89	7,162.01	305.16	170.72	-88.20	-2,645.15	-4,596.69	5,461.50	5,224.65	236.85	23.059		
17,800.00	7,258.76	13,210.89	7,162.01	307.99	170.72	-88.20	-2,645.15	-4,596.69	5,547.59	5,312.86	234.73	23.634		
17,900.00	7,258.95	13,210.89	7,162.01	310.82	170.72	-88.20	-2,645.15	-4,596.69	5,634.14	5,401.48	232.66	24.216		
18,000.00	7,259.13	13,210.89	7,162.01	313.64	170.72	-88.20	-2,645.15	-4,596.69	5,721.13	5,490.49	230.65	24.805		
18,100.00	7,259.31	13,210.89	7,162.01	316.47	170.72	-88.20	-2,645.15	-4,596.69	5,808.54	5,579.85	228.69	25.399		
18,200.00	7,259.49	13,210.89	7,162.01	319.30	170.72	-88.20	-2,645.15	-4,596.69	5,896.35	5,669.57	226.79	26.000		
18,300.00	7,259.68	13,210.89	7,162.01	322.12	170.72	-88.20	-2,645.15	-4,596.69	5,984.55	5,759.61	224.93	26.606		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	13,210.89	7,162.01	324.95	170.72	-88.20	-2,645.15	-4,596.69	6,073.10	5,849.98	223.13	27.218		
18,500.00	7,260.04	13,210.89	7,162.01	327.78	170.72	-88.20	-2,645.15	-4,596.69	6,162.01	5,940.64	221.37	27.835		
18,600.00	7,260.22	13,210.89	7,162.01	330.61	170.72	-88.20	-2,645.15	-4,596.69	6,251.25	6,031.59	219.66	28.458		
18,700.00	7,260.41	13,210.89	7,162.01	333.44	170.72	-88.20	-2,645.15	-4,596.69	6,340.82	6,122.82	218.00	29.086		
18,800.00	7,260.59	13,210.89	7,162.01	336.27	170.72	-88.20	-2,645.15	-4,596.69	6,430.69	6,214.30	216.39	29.719		
18,900.00	7,260.77	13,210.89	7,162.01	339.10	170.72	-88.20	-2,645.15	-4,596.69	6,520.86	6,306.04	214.81	30.356		
19,000.00	7,260.95	13,210.89	7,162.01	341.93	170.72	-88.20	-2,645.15	-4,596.69	6,611.31	6,398.03	213.28	30.998		
19,025.91	7,261.00	13,210.89	7,162.01	342.66	170.72	-88.20	-2,645.15	-4,596.69	6,634.79	6,421.90	212.89	31.165		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.00	14.93	0.00	14.93					
100.00	100.00	100.00	100.00	3.28	3.28	0.00	14.93	0.00	14.93	8.36	6.57	2.273		
200.00	200.00	200.00	200.00	3.34	3.34	0.00	14.93	0.00	14.93	8.26	6.67	2.237 CC		
300.00	299.98	299.91	299.89	3.44	3.44	-90.81	15.23	1.72	15.26	8.37	6.89	2.216		
400.00	399.84	399.81	399.65	3.60	3.60	-91.08	16.14	6.86	16.23	9.03	7.20	2.255		
500.00	499.45	499.70	499.15	3.81	3.81	-91.46	17.65	15.42	17.85	10.25	7.60	2.348		
600.00	598.70	599.57	598.28	4.05	4.05	-91.89	19.76	27.40	20.12	12.02	8.09	2.485		
700.00	697.47	699.42	696.89	4.34	4.34	-92.31	22.47	42.76	23.03	14.36	8.67	2.657		
800.00	795.62	800.75	794.90	4.66	4.67	-92.76	25.77	61.47	26.58	17.26	9.32	2.852		
849.22	843.68	848.43	843.05	4.84	4.83	-94.23	27.50	71.30	28.49	18.83	9.66	2.949		
900.00	893.16	900.84	892.72	5.02	5.02	-96.41	29.29	81.43	30.51	20.48	10.03	3.041		
1,000.00	990.60	1,000.95	990.54	5.41	5.40	-99.94	32.81	101.40	34.62	23.82	10.80	3.206		
1,100.00	1,088.05	1,101.05	1,088.36	5.83	5.80	-102.71	36.33	121.37	38.82	27.22	11.60	3.347		
1,200.00	1,185.49	1,201.16	1,186.17	6.26	6.22	-104.94	39.85	141.33	43.10	30.67	12.43	3.467		
1,300.00	1,282.93	1,301.26	1,283.99	6.70	6.64	-106.76	43.37	161.30	47.43	34.14	13.29	3.569		
1,400.00	1,380.37	1,401.36	1,381.81	7.15	7.08	-108.28	46.89	181.27	51.80	37.64	14.16	3.657		
1,500.00	1,477.82	1,501.47	1,479.62	7.62	7.53	-109.56	50.42	201.23	56.20	41.15	15.06	3.733		
1,600.00	1,575.26	1,601.57	1,577.44	8.09	7.98	-110.66	53.94	221.20	60.63	44.67	15.96	3.798		
1,700.00	1,672.70	1,701.68	1,675.26	8.57	8.44	-111.60	57.46	241.17	65.07	48.19	16.88	3.855		
1,800.00	1,770.15	1,801.78	1,773.07	9.05	8.91	-112.42	60.98	261.13	69.53	51.73	17.80	3.905		
1,900.00	1,867.59	1,901.89	1,870.89	9.54	9.38	-113.15	64.50	281.10	74.00	55.27	18.74	3.949		
2,000.00	1,965.03	2,001.99	1,968.71	10.03	9.85	-113.79	68.02	301.07	78.49	58.81	19.68	3.988		
2,100.00	2,062.48	2,102.09	2,066.52	10.53	10.33	-114.36	71.54	321.03	82.98	62.35	20.63	4.023		
2,200.00	2,159.92	2,202.20	2,164.34	11.03	10.81	-114.88	75.06	341.00	87.48	65.90	21.58	4.054		
2,300.00	2,257.36	2,302.30	2,262.16	11.53	11.29	-115.34	78.58	360.97	91.98	69.45	22.53	4.082		
2,400.00	2,354.81	2,397.59	2,359.97	12.03	11.75	-115.76	82.10	380.93	96.49	73.03	23.47	4.111		
2,500.00	2,452.25	2,502.51	2,457.79	12.54	12.26	-116.14	85.62	400.90	101.01	76.55	24.46	4.130		
2,600.00	2,549.69	2,602.61	2,555.61	13.04	12.74	-116.49	89.14	420.87	105.53	80.11	25.42	4.151		
2,700.00	2,647.13	2,702.72	2,653.42	13.55	13.23	-116.81	92.66	440.83	110.05	83.66	26.39	4.170		
2,800.00	2,744.58	2,802.82	2,751.24	14.06	13.72	-117.11	96.18	460.80	114.58	87.22	27.36	4.187		
2,900.00	2,842.02	2,902.93	2,849.06	14.57	14.21	-117.38	99.70	480.77	119.11	90.77	28.34	4.203		
3,000.00	2,939.46	2,996.97	2,946.87	15.09	14.67	-117.63	103.23	500.73	123.64	94.36	29.28	4.222		
3,100.00	3,036.91	3,103.14	3,044.69	15.60	15.20	-117.87	106.75	520.70	128.18	97.88	30.29	4.231		
3,200.00	3,134.35	3,203.24	3,142.51	16.11	15.69	-118.09	110.27	540.67	132.71	101.44	31.27	4.244		
3,300.00	3,231.79	3,303.34	3,240.33	16.63	16.18	-118.29	113.79	560.63	137.25	105.00	32.25	4.256		
3,400.00	3,329.24	3,403.45	3,338.14	17.14	16.68	-118.48	117.31	580.60	141.79	108.56	33.23	4.266		
3,500.00	3,426.68	3,503.55	3,435.96	17.66	17.18	-118.66	120.83	600.57	146.33	112.11	34.22	4.277		
3,600.00	3,524.12	3,603.66	3,533.78	18.18	17.67	-118.83	124.35	620.53	150.87	115.67	35.20	4.286		
3,700.00	3,621.57	3,703.76	3,631.59	18.69	18.17	-118.99	127.87	640.50	155.42	119.23	36.19	4.295		
3,800.00	3,719.01	3,803.86	3,729.41	19.21	18.67	-119.14	131.39	660.47	159.96	122.79	37.17	4.303		
3,900.00	3,816.45	3,896.03	3,827.23	19.73	19.13	-119.28	134.91	680.43	164.51	126.39	38.12	4.315		
4,000.00	3,913.90	4,004.07	3,925.04	20.25	19.66	-119.42	138.43	700.40	169.05	129.91	39.15	4.318		
4,100.00	4,011.34	4,104.18	4,022.86	20.77	20.16	-119.54	141.95	720.37	173.60	133.46	40.14	4.325		
4,200.00	4,108.78	4,204.28	4,120.68	21.29	20.66	-119.67	145.47	740.33	178.15	137.02	41.13	4.332		
4,300.00	4,206.22	4,304.39	4,218.49	21.81	21.16	-119.78	148.99	760.30	182.70	140.58	42.12	4.338		
4,400.00	4,303.67	4,395.51	4,316.31	22.33	21.62	-119.89	152.51	780.27	187.25	144.18	43.06	4.348		
4,500.00	4,401.11	4,495.41	4,414.13	22.85	22.11	-119.99	156.04	800.23	191.80	147.75	44.05	4.354		
4,600.00	4,498.55	4,604.70	4,511.94	23.37	22.66	-120.09	159.56	820.20	196.35	151.26	45.09	4.355		
4,700.00	4,596.00	4,704.80	4,609.76	23.89	23.16	-120.19	163.08	840.17	200.90	154.82	46.08	4.359		
4,800.00	4,693.44	4,804.91	4,707.58	24.41	23.66	-120.28	166.60	860.13	205.45	158.38	47.08	4.364		
4,900.00	4,790.88	4,905.01	4,805.39	24.93	24.16	-120.36	170.12	880.10	210.01	161.94	48.07	4.369		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	5,005.11	4,903.21	25.46	24.66	-120.45	173.64	900.07	214.56	165.50	49.06	4.373		
5,100.00	4,985.77	5,105.22	5,001.03	25.98	25.17	-120.52	177.16	920.03	219.11	169.06	50.06	4.377		
5,200.00	5,083.21	5,205.32	5,098.84	26.50	25.67	-120.60	180.68	940.00	223.67	172.62	51.05	4.381		
5,300.00	5,180.66	5,305.43	5,196.66	27.02	26.17	-120.67	184.20	959.97	228.22	176.17	52.05	4.385		
5,400.00	5,278.10	5,405.53	5,294.48	27.55	26.67	-120.74	187.72	979.93	232.78	179.73	53.04	4.389		
5,500.00	5,375.54	5,505.64	5,392.29	28.07	27.17	-120.81	191.24	999.90	237.33	183.29	54.04	4.392		
5,582.90	5,456.32	5,577.18	5,473.38	28.50	27.53	-120.87	194.16	1,016.45	241.11	186.30	54.81	4.399		
5,600.00	5,473.00	5,594.26	5,490.11	28.59	27.62	-120.88	194.76	1,019.87	241.86	186.88	54.98	4.399		
5,700.00	5,570.93	5,705.82	5,587.95	29.10	28.18	-120.53	198.28	1,039.84	245.22	189.18	56.04	4.376		
5,800.00	5,669.52	5,805.94	5,685.75	29.57	28.68	-119.46	201.80	1,059.80	246.86	189.78	57.08	4.325		
5,900.00	5,768.62	5,906.25	5,783.37	30.03	29.19	-117.68	205.32	1,079.73	246.95	188.82	58.13	4.248		
6,000.00	5,868.13	6,006.85	5,880.70	30.45	29.69	-115.15	208.82	1,099.60	245.77	186.57	59.21	4.151		
6,100.00	5,967.93	6,092.13	5,977.62	30.86	30.12	-111.86	212.31	1,119.38	243.75	183.53	60.22	4.048		
6,200.00	6,067.88	6,209.42	6,074.02	31.24	30.71	-107.77	215.78	1,139.06	241.46	180.06	61.40	3.933		
6,232.12	6,100.00	6,222.07	6,104.85	31.36	30.77	-15.58	216.89	1,145.35	240.78	179.13	61.65	3.906		
6,300.00	6,167.88	6,288.53	6,169.93	31.61	31.11	-12.37	219.23	1,158.64	239.81	177.44	62.37	3.845		
6,349.87	6,217.75	6,337.36	6,217.75	31.79	31.35	-10.00	220.95	1,168.40	239.59	176.71	62.88	3.810		
6,400.00	6,267.88	6,386.45	6,265.81	31.97	31.60	-7.62	222.68	1,178.21	239.81	176.43	63.38	3.784		
6,500.00	6,367.88	6,484.37	6,361.70	32.34	32.09	-2.90	226.13	1,197.78	241.52	177.18	64.34	3.754		
6,600.00	6,467.88	6,581.99	6,458.29	32.70	32.54	0.17	229.75	1,210.73	244.94	179.75	65.19	3.757		
6,700.00	6,567.88	6,681.14	6,557.24	33.07	32.91	-0.31	233.77	1,208.65	249.00	183.08	65.92	3.777		
6,736.50	6,604.38	6,716.82	6,592.60	33.21	33.04	-1.34	235.28	1,204.13	250.63	184.47	66.16	3.788		
6,750.00	6,617.88	6,729.90	6,605.48	33.25	33.08	85.24	235.85	1,201.98	251.27	185.03	66.24	3.793		
6,800.00	6,667.77	6,777.98	6,652.42	33.43	33.26	83.38	237.94	1,191.81	253.69	187.17	66.52	3.814		
6,850.00	6,717.28	6,825.55	6,697.96	33.60	33.45	81.60	240.05	1,178.29	256.19	189.40	66.78	3.836		
6,900.00	6,766.09	6,872.62	6,741.91	33.79	33.64	79.90	242.16	1,161.59	258.72	191.70	67.02	3.860		
6,950.00	6,813.90	6,919.23	6,784.10	33.99	33.84	78.29	244.27	1,141.90	261.24	194.01	67.23	3.886		
7,000.00	6,860.42	6,965.42	6,824.36	34.20	34.06	76.78	246.35	1,119.40	263.72	196.30	67.42	3.912		
7,050.00	6,905.36	7,011.20	6,862.56	34.42	34.29	75.36	248.40	1,094.27	266.12	198.54	67.58	3.938		
7,100.00	6,948.45	7,056.61	6,898.57	34.67	34.54	74.04	250.42	1,066.69	268.41	200.67	67.74	3.963		
7,150.00	6,989.41	7,101.68	6,932.27	34.94	34.80	72.82	252.39	1,036.84	270.55	202.66	67.89	3.985		
7,200.00	7,028.00	7,146.44	6,963.57	35.24	35.09	71.71	254.30	1,004.91	272.51	204.45	68.06	4.004		
7,250.00	7,063.98	7,190.92	6,992.37	35.56	35.41	70.69	256.16	971.08	274.26	205.99	68.26	4.018		
7,300.00	7,097.13	7,235.14	7,018.60	35.92	35.75	69.79	257.94	935.53	275.76	207.25	68.51	4.025		
7,350.00	7,127.23	7,279.14	7,042.18	36.32	36.11	68.98	259.66	898.44	277.00	208.18	68.82	4.025		
7,400.00	7,154.12	7,322.94	7,063.05	36.75	36.51	68.28	261.29	859.98	277.95	208.74	69.21	4.016		
7,450.00	7,177.61	7,366.56	7,081.16	37.22	36.93	67.68	262.83	820.33	278.60	208.91	69.70	3.997		
7,500.00	7,197.57	7,410.04	7,096.48	37.73	37.38	67.19	264.29	779.67	278.93	208.64	70.29	3.968		
7,550.00	7,213.88	7,453.40	7,108.95	38.28	37.85	66.80	265.64	738.17	278.92	207.93	71.00	3.929		
7,600.00	7,226.42	7,496.67	7,118.55	38.87	38.35	66.51	266.90	696.01	278.58	206.75	71.83	3.878		
7,650.00	7,235.13	7,539.87	7,125.26	39.48	38.87	66.33	268.05	653.36	277.88	205.10	72.78	3.818		
7,700.00	7,239.95	7,583.03	7,129.06	40.12	39.41	66.25	269.09	610.38	276.84	202.99	73.85	3.749		
7,735.44	7,241.00	7,619.64	7,129.99	40.59	39.88	66.26	269.74	580.27	275.89	201.14	74.75	3.691		
7,800.00	7,241.11	7,677.71	7,130.12	41.47	40.66	66.10	271.08	515.75	274.11	197.87	76.23	3.596		
7,900.00	7,241.27	7,777.66	7,130.31	42.96	42.13	65.85	273.15	415.82	271.35	192.49	78.86	3.441		
8,000.00	7,241.44	7,877.62	7,130.50	44.59	43.72	65.59	275.21	315.88	268.60	186.88	81.72	3.287		
8,100.00	7,241.61	7,977.57	7,130.70	46.34	45.45	65.33	277.28	215.95	265.86	181.07	84.79	3.135		
8,200.00	7,241.77	8,077.53	7,130.89	48.20	47.28	65.06	279.35	116.02	263.12	175.07	88.05	2.988		
8,300.00	7,241.94	8,177.48	7,131.09	50.16	49.21	64.79	281.42	16.08	260.39	168.93	91.46	2.847		
8,400.00	7,242.11	8,277.44	7,131.28	52.20	51.23	64.51	283.48	-83.85	257.66	162.65	95.01	2.712		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,242.27	8,377.39	7,131.47	54.31	53.33	64.23	285.55	-183.78	254.94	156.26	98.68	2.583		
8,600.00	7,242.44	8,477.34	7,131.67	56.49	55.50	63.94	287.62	-283.72	252.23	149.78	102.45	2.462		
8,700.00	7,242.60	8,577.30	7,131.86	58.73	57.73	63.64	289.69	-383.65	249.52	143.22	106.31	2.347		
8,800.00	7,242.77	8,677.25	7,132.05	61.03	60.01	63.33	291.75	-483.58	246.82	136.59	110.23	2.239		
8,900.00	7,242.94	8,777.21	7,132.25	63.37	62.34	63.02	293.82	-583.52	244.13	129.92	114.21	2.137		
9,000.00	7,243.10	8,877.16	7,132.44	65.75	64.71	62.71	295.89	-683.45	241.44	123.20	118.24	2.042		
9,100.00	7,243.27	8,977.12	7,132.64	68.18	67.12	62.38	297.96	-783.38	238.76	116.45	122.31	1.952		
9,200.00	7,243.44	9,077.07	7,132.83	70.63	69.57	62.05	300.02	-883.32	236.09	109.69	126.41	1.868		
9,300.00	7,243.60	9,177.03	7,133.02	73.12	72.04	61.71	302.09	-983.25	233.43	102.91	130.52	1.788		
9,400.00	7,243.77	9,276.98	7,133.22	75.63	74.55	61.36	304.16	-1,083.18	230.78	96.13	134.65	1.714		
9,500.00	7,243.94	9,376.94	7,133.41	78.17	77.08	61.01	306.22	-1,183.12	228.13	89.35	138.79	1.644		
9,600.00	7,244.10	9,476.89	7,133.61	80.73	79.63	60.64	308.29	-1,283.05	225.50	82.58	142.92	1.578		
9,700.00	7,244.27	9,576.85	7,133.80	83.31	82.20	60.27	310.36	-1,382.98	222.87	75.82	147.05	1.516		
9,800.00	7,244.44	9,676.80	7,133.99	85.91	84.79	59.89	312.43	-1,482.92	220.25	69.09	151.16	1.457 Level 3		
9,900.00	7,244.60	9,776.76	7,134.19	88.53	87.40	59.50	314.49	-1,582.85	217.65	62.38	155.26	1.402 Level 3		
10,000.00	7,244.77	9,876.71	7,134.38	91.16	90.03	59.10	316.56	-1,682.78	215.05	55.71	159.34	1.350 Level 3		
10,100.00	7,244.94	9,976.67	7,134.57	93.81	92.67	58.69	318.63	-1,782.72	212.46	49.08	163.38	1.300 Level 3		
10,200.00	7,245.10	10,076.62	7,134.77	96.46	95.32	58.27	320.70	-1,882.65	209.89	42.49	167.39	1.254 Level 3		
10,300.00	7,245.27	10,176.58	7,134.96	99.14	97.98	57.84	322.76	-1,982.58	207.32	35.96	171.37	1.210 Level 2		
10,400.00	7,245.43	10,276.53	7,135.16	101.82	100.66	57.40	324.83	-2,082.52	204.77	29.47	175.30	1.168 Level 2		
10,500.00	7,245.60	10,376.49	7,135.35	104.51	103.34	56.95	326.90	-2,182.45	202.23	23.05	179.18	1.129 Level 2		
10,600.00	7,245.77	10,476.44	7,135.54	107.21	106.04	56.49	328.97	-2,282.38	199.71	16.70	183.01	1.091 Level 2		
10,700.00	7,245.93	10,576.40	7,135.74	109.92	108.74	56.01	331.03	-2,382.32	197.19	10.41	186.78	1.056 Level 2		
10,800.00	7,246.10	10,676.35	7,135.93	112.64	111.45	55.52	333.10	-2,482.25	194.70	4.20	190.49	1.022 Level 2		
10,900.00	7,246.27	10,776.31	7,136.12	115.37	114.17	55.02	335.17	-2,582.18	192.21	-1.93	194.14	0.990 Level 1		
11,000.00	7,246.43	10,876.26	7,136.32	118.10	116.89	54.51	337.24	-2,682.12	189.74	-7.96	197.71	0.960 Level 1		
11,100.00	7,246.60	10,976.22	7,136.51	120.84	119.63	53.98	339.30	-2,782.05	187.29	-13.91	201.20	0.931 Level 1		
11,200.00	7,246.77	11,076.17	7,136.71	123.58	122.36	53.44	341.37	-2,881.98	184.85	-19.75	204.60	0.903 Level 1		
11,300.00	7,246.93	11,176.13	7,136.90	126.34	125.11	52.89	343.44	-2,981.92	182.43	-25.49	207.92	0.877 Level 1		
11,340.34	7,247.00	11,216.45	7,136.98	127.45	126.22	52.66	344.27	-3,022.23	181.46	-27.77	209.23	0.867 Level 1		
11,400.00	7,247.10	11,276.10	7,137.09	129.09	127.86	52.45	345.50	-3,081.86	180.52	-30.90	211.42	0.854 Level 1		
11,426.87	7,247.15	11,302.97	7,137.15	129.83	128.60	52.43	346.06	-3,108.73	180.42	-32.16	212.58	0.849 Level 1		
11,500.00	7,247.27	11,376.09	7,137.29	131.84	130.61	52.61	347.57	-3,181.83	181.16	-35.17	216.33	0.837 Level 1		
11,586.15	7,247.43	11,462.16	7,137.45	134.20	132.99	53.25	349.35	-3,267.89	183.95	-37.87	221.82	0.829 Level 1		
11,600.00	7,247.45	11,475.99	7,137.48	134.57	133.37	53.39	349.64	-3,281.72	184.57	-38.23	222.80	0.828 Level 1		
11,700.00	7,247.64	11,575.84	7,137.67	137.31	136.13	54.40	351.70	-3,381.54	189.07	-40.71	229.78	0.823 Level 1		
11,800.00	7,247.82	11,675.68	7,137.87	140.05	138.89	55.36	353.77	-3,481.36	193.62	-43.08	236.71	0.818 Level 1		
11,900.00	7,248.00	11,775.52	7,138.06	142.79	141.66	56.28	355.83	-3,581.18	198.23	-45.34	243.57	0.814 Level 1		
12,000.00	7,248.18	11,875.37	7,138.26	145.53	144.43	57.16	357.90	-3,681.01	202.89	-47.49	250.37	0.810 Level 1		
12,100.00	7,248.37	11,975.21	7,138.45	148.28	147.21	57.99	359.96	-3,780.83	207.59	-49.54	257.12	0.807 Level 1		
12,200.00	7,248.55	12,075.06	7,138.64	151.04	149.99	58.79	362.03	-3,880.65	212.33	-51.49	263.82	0.805 Level 1		
12,300.00	7,248.73	12,174.90	7,138.84	153.80	152.77	59.56	364.10	-3,980.48	217.11	-53.36	270.47	0.803 Level 1		
12,400.00	7,248.91	12,274.75	7,139.03	156.56	155.55	60.29	366.16	-4,080.30	221.93	-55.14	277.07	0.801 Level 1		
12,500.00	7,249.10	12,374.59	7,139.22	159.32	158.34	60.99	368.23	-4,180.12	226.78	-56.84	283.63	0.800 Level 1		
12,600.00	7,249.28	12,474.44	7,139.42	162.09	161.13	61.66	370.29	-4,279.95	231.67	-58.47	290.14	0.798 Level 1		
12,700.00	7,249.46	12,574.28	7,139.61	164.86	163.92	62.30	372.36	-4,379.77	236.59	-60.04	296.62	0.798 Level 1		
12,800.00	7,249.64	12,674.13	7,139.80	167.63	166.72	62.92	374.42	-4,479.59	241.53	-61.53	303.06	0.797 Level 1		
12,900.00	7,249.83	12,773.97	7,140.00	170.40	169.51	63.51	376.49	-4,579.41	246.50	-62.97	309.47	0.797 Level 1		
13,000.00	7,250.01	12,873.82	7,140.19	173.18	172.31	64.08	378.55	-4,679.24	251.50	-64.34	315.84	0.796 Level 1		
13,100.00	7,250.19	12,973.66	7,140.38	175.96	175.11	64.63	380.62	-4,779.06	256.52	-65.67	322.19	0.796 Level 1		
13,200.00	7,250.37	13,073.50	7,140.58	178.74	177.92	65.15	382.68	-4,878.88	261.56	-66.94	328.50	0.796 Level 1		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,300.00	7,250.56	13,173.35	7,140.77	181.52	180.72	65.66	384.75	-4,978.71	266.63	-68.16	334.79	0.796	Level 1	
13,400.00	7,250.74	13,273.19	7,140.97	184.31	183.53	66.14	386.81	-5,078.53	271.71	-69.34	341.05	0.797	Level 1	
13,500.00	7,250.92	13,373.04	7,141.16	187.09	186.34	66.61	388.88	-5,178.35	276.82	-70.47	347.29	0.797	Level 1	
13,600.00	7,251.10	13,472.88	7,141.35	189.88	189.15	67.06	390.94	-5,278.18	281.94	-71.57	353.51	0.798	Level 1	
13,700.00	7,251.29	13,572.73	7,141.55	192.67	191.96	67.50	393.01	-5,378.00	287.07	-72.62	359.70	0.798	Level 1	
13,800.00	7,251.47	13,672.57	7,141.74	195.47	194.77	67.92	395.07	-5,477.82	292.23	-73.64	365.87	0.799	Level 1	
13,900.00	7,251.65	13,772.42	7,141.93	198.26	197.59	68.33	397.14	-5,577.65	297.40	-74.63	372.02	0.799	Level 1	
14,000.00	7,251.83	13,872.26	7,142.13	201.05	200.40	68.72	399.20	-5,677.47	302.58	-75.58	378.16	0.800	Level 1	
14,100.00	7,252.01	13,972.11	7,142.32	203.85	203.22	69.10	401.27	-5,777.29	307.78	-76.50	384.28	0.801	Level 1	
14,200.00	7,252.20	14,071.95	7,142.51	206.65	206.04	69.46	403.33	-5,877.11	312.99	-77.39	390.38	0.802	Level 1	
14,300.00	7,252.38	14,171.79	7,142.71	209.45	208.86	69.82	405.40	-5,976.94	318.21	-78.25	396.46	0.803	Level 1	
14,400.00	7,252.56	14,271.64	7,142.90	212.25	211.68	70.16	407.46	-6,076.76	323.44	-79.09	402.53	0.804	Level 1	
14,500.00	7,252.74	14,371.48	7,143.10	215.05	214.50	70.49	409.53	-6,176.58	328.69	-79.90	408.59	0.804	Level 1	
14,600.00	7,252.93	14,471.33	7,143.29	217.86	217.32	70.81	411.59	-6,276.41	333.94	-80.69	414.63	0.805	Level 1	
14,700.00	7,253.11	14,571.17	7,143.48	220.66	220.14	71.12	413.66	-6,376.23	339.21	-81.45	420.66	0.806	Level 1	
14,800.00	7,253.29	14,671.02	7,143.68	223.47	222.97	71.42	415.72	-6,476.05	344.48	-82.20	426.68	0.807	Level 1	
14,900.00	7,253.47	14,770.86	7,143.87	226.27	225.79	71.72	417.79	-6,575.88	349.77	-82.92	432.69	0.808	Level 1	
15,000.00	7,253.66	14,870.73	7,144.07	229.08	228.74	72.00	419.71	-6,680.03	354.87	-83.88	438.74	0.809	Level 1	
15,100.00	7,253.84	14,988.42	7,144.29	231.89	231.94	72.13	418.36	-6,793.40	357.07	-87.13	444.19	0.804	Level 1	
15,200.00	7,254.02	15,106.91	7,144.50	234.70	235.26	72.10	413.87	-6,897.97	356.30	-93.34	449.65	0.792	Level 1	
15,300.00	7,254.20	15,206.92	7,144.70	237.51	238.07	72.05	409.33	-6,997.86	355.31	-99.62	454.92	0.781	Level 1	
15,400.00	7,254.39	15,306.92	7,144.89	240.32	240.87	72.00	404.78	-7,097.75	354.32	-105.88	460.20	0.770	Level 1	
15,500.00	7,254.57	15,406.93	7,145.09	243.13	243.68	71.95	400.24	-7,197.64	353.32	-112.15	465.47	0.759	Level 1	
15,600.00	7,254.75	15,506.93	7,145.29	245.94	246.48	71.90	395.69	-7,297.54	352.33	-118.41	470.75	0.748	Level 1	
15,700.00	7,254.93	15,606.94	7,145.48	248.76	249.29	71.85	391.15	-7,397.43	351.34	-124.67	476.02	0.738	Level 1	
15,800.00	7,255.12	15,706.94	7,145.68	251.57	252.10	71.80	386.60	-7,497.32	350.35	-130.93	481.29	0.728	Level 1	
15,900.00	7,255.30	15,806.95	7,145.88	254.39	254.91	71.75	382.06	-7,597.21	349.36	-137.19	486.55	0.718	Level 1	
16,000.00	7,255.48	15,906.95	7,146.07	257.20	257.72	71.69	377.52	-7,697.10	348.37	-143.44	491.81	0.708	Level 1	
16,100.00	7,255.66	16,006.96	7,146.27	260.02	260.53	71.64	372.97	-7,796.99	347.38	-149.69	497.07	0.699	Level 1	
16,200.00	7,255.85	16,106.97	7,146.47	262.84	263.34	71.59	368.43	-7,896.88	346.39	-155.94	502.33	0.690	Level 1	
16,300.00	7,256.03	16,206.97	7,146.66	265.65	266.15	71.54	363.88	-7,996.77	345.40	-162.18	507.59	0.680	Level 1	
16,400.00	7,256.21	16,306.98	7,146.86	268.47	268.97	71.49	359.34	-8,096.66	344.41	-168.42	512.84	0.672	Level 1	
16,500.00	7,256.39	16,406.98	7,147.06	271.29	271.78	71.43	354.80	-8,196.56	343.42	-174.66	518.09	0.663	Level 1	
16,600.00	7,256.58	16,506.99	7,147.25	274.11	274.60	71.38	350.25	-8,296.45	342.44	-180.90	523.33	0.654	Level 1	
16,700.00	7,256.76	16,606.99	7,147.45	276.93	277.41	71.33	345.71	-8,396.34	341.45	-187.13	528.58	0.646	Level 1	
16,800.00	7,256.94	16,693.00	7,147.65	279.75	279.83	71.27	341.16	-8,496.23	340.46	-192.98	533.44	0.638	Level 1	
16,900.00	7,257.12	16,807.00	7,147.84	282.57	283.04	71.22	336.62	-8,596.12	339.47	-199.58	539.05	0.630	Level 1	
17,000.00	7,257.30	16,907.01	7,148.04	285.40	285.86	71.17	332.08	-8,696.01	338.49	-205.80	544.28	0.622	Level 1	
17,100.00	7,257.49	17,007.01	7,148.24	288.22	288.67	71.11	327.53	-8,795.90	337.50	-212.01	549.51	0.614	Level 1	
17,200.00	7,257.67	17,107.02	7,148.43	291.04	291.49	71.06	322.99	-8,895.79	336.51	-218.23	554.74	0.607	Level 1	
17,300.00	7,257.85	17,207.03	7,148.63	293.87	294.31	71.00	318.44	-8,995.68	335.53	-224.44	559.96	0.599	Level 1	
17,400.00	7,258.03	17,307.03	7,148.83	296.69	297.13	70.94	313.90	-9,095.58	334.54	-230.64	565.18	0.592	Level 1	
17,500.00	7,258.22	17,407.04	7,149.02	299.51	299.95	70.89	309.35	-9,195.47	333.55	-236.84	570.39	0.585	Level 1	
17,600.00	7,258.40	17,507.04	7,149.22	302.34	302.77	70.83	304.81	-9,295.36	332.57	-243.04	575.61	0.578	Level 1	
17,700.00	7,258.58	17,607.05	7,149.42	305.16	305.59	70.78	300.27	-9,395.25	331.58	-249.23	580.81	0.571	Level 1	
17,800.00	7,258.76	17,707.05	7,149.61	307.99	308.41	70.72	295.72	-9,495.14	330.60	-255.42	586.02	0.564	Level 1	
17,900.00	7,258.95	17,807.06	7,149.81	310.82	311.23	70.66	291.18	-9,595.03	329.61	-261.60	591.21	0.558	Level 1	
18,000.00	7,259.13	17,907.06	7,150.01	313.64	314.05	70.60	286.63	-9,694.92	328.63	-267.78	596.41	0.551	Level 1	
18,100.00	7,259.31	18,007.07	7,150.20	316.47	316.87	70.55	282.09	-9,794.81	327.65	-273.95	601.60	0.545	Level 1	
18,200.00	7,259.49	18,107.07	7,150.40	319.30	319.69	70.49	277.55	-9,894.70	326.66	-280.12	606.79	0.538	Level 1	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,300.00	7,259.68	18,207.08	7,150.60	322.12	322.52	70.43	273.00	-9,994.60	325.68	-286.29	611.97	0.532	Level 1	
18,400.00	7,259.86	18,307.08	7,150.79	324.95	325.34	70.37	268.46	-10,094.49	324.70	-292.45	617.15	0.526	Level 1	
18,500.00	7,260.04	18,407.09	7,150.99	327.78	328.16	70.31	263.91	-10,194.38	323.71	-298.60	622.32	0.520	Level 1	
18,600.00	7,260.22	18,507.10	7,151.19	330.61	330.98	70.25	259.37	-10,294.27	322.73	-304.75	627.49	0.514	Level 1	
18,700.00	7,260.41	18,592.90	7,151.38	333.44	333.41	70.19	254.83	-10,394.16	321.75	-310.52	632.27	0.509	Level 1	
18,800.00	7,260.59	18,707.11	7,151.58	336.27	336.63	70.13	250.28	-10,494.05	320.77	-317.04	637.81	0.503	Level 1	
18,900.00	7,260.77	18,807.11	7,151.78	339.10	339.46	70.07	245.74	-10,593.94	319.79	-323.17	642.96	0.497	Level 1	
19,000.00	7,260.95	18,892.88	7,151.97	341.93	341.88	70.01	241.19	-10,693.83	318.81	-328.92	647.73	0.492	Level 1	
19,023.86	7,261.00	18,916.74	7,152.02	342.60	342.55	69.99	240.11	-10,717.67	318.57	-330.38	648.96	0.491	Level 1	
19,025.91	7,261.00	18,906.26	7,152.00	342.66	342.26	70.00	240.58	-10,707.20	318.80	-330.66	649.46	0.491	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	4.00	-4.00	3.28	3.28	-49.37	1,456.91	-1,697.96	2,237.33					
100.00	100.00	104.00	96.00	3.28	3.78	-49.37	1,456.91	-1,697.96	2,237.33	2,230.27	7.07	316.552		
200.00	200.00	204.00	196.00	3.34	6.30	-49.37	1,456.91	-1,697.96	2,237.33	2,227.70	9.63	232.215		
300.00	299.98	304.02	295.98	3.44	9.46	-140.09	1,456.91	-1,697.96	2,238.67	2,225.78	12.90	173.573		
400.00	399.84	404.16	395.84	3.60	12.79	-140.13	1,456.91	-1,697.96	2,242.69	2,226.30	16.39	136.833		
500.00	499.45	504.55	495.45	3.81	16.20	-140.18	1,456.91	-1,697.96	2,249.39	2,229.39	20.01	112.441		
600.00	598.70	605.30	594.70	4.05	19.66	-140.26	1,456.91	-1,697.96	2,258.79	2,235.08	23.71	95.281		
700.00	697.47	706.53	693.47	4.34	23.15	-140.35	1,456.91	-1,697.96	2,270.89	2,243.41	27.48	82.640		
800.00	795.62	808.38	791.62	4.66	26.68	-140.47	1,456.91	-1,697.96	2,285.70	2,254.38	31.32	72.986		
849.22	843.68	839.68	839.68	4.84	27.76	-140.53	1,456.91	-1,697.96	2,293.99	2,261.43	32.57	70.436		
900.00	893.16	889.16	889.16	5.02	29.48	-140.71	1,456.91	-1,697.96	2,302.90	2,268.44	34.46	66.829		
1,000.00	990.60	986.60	986.60	5.41	32.86	-141.05	1,456.91	-1,697.96	2,320.51	2,282.31	38.20	60.746		
1,100.00	1,088.05	1,084.05	1,084.05	5.83	36.25	-141.40	1,456.91	-1,697.96	2,338.21	2,296.24	41.96	55.721		
1,200.00	1,185.49	1,181.49	1,181.49	6.26	39.64	-141.73	1,456.91	-1,697.96	2,355.98	2,310.24	45.74	51.505		
1,300.00	1,282.93	1,278.93	1,278.93	6.70	43.03	-142.07	1,456.91	-1,697.96	2,373.83	2,324.30	49.54	47.920		
1,400.00	1,380.37	1,376.37	1,376.37	7.15	46.42	-142.39	1,456.91	-1,697.96	2,391.77	2,338.42	53.34	44.838		
1,500.00	1,477.82	1,473.82	1,473.82	7.62	49.81	-142.72	1,456.91	-1,697.96	2,409.77	2,352.62	57.16	42.160		
1,600.00	1,575.26	1,571.26	1,571.26	8.09	53.21	-143.04	1,456.91	-1,697.96	2,427.86	2,366.88	60.98	39.814		
1,700.00	1,672.70	1,668.70	1,668.70	8.57	56.60	-143.35	1,456.91	-1,697.96	2,446.01	2,381.20	64.81	37.741		
1,800.00	1,770.15	1,766.15	1,766.15	9.05	60.00	-143.66	1,456.91	-1,697.96	2,464.24	2,395.59	68.64	35.899		
1,900.00	1,867.59	1,863.59	1,863.59	9.54	63.40	-143.96	1,456.91	-1,697.96	2,482.53	2,410.05	72.48	34.250		
2,000.00	1,965.03	1,961.03	1,961.03	10.03	66.79	-144.26	1,456.91	-1,697.96	2,500.90	2,424.57	76.33	32.766		
2,100.00	2,062.48	2,058.48	2,058.48	10.53	70.19	-144.56	1,456.91	-1,697.96	2,519.33	2,439.15	80.17	31.424		
2,200.00	2,159.92	2,155.92	2,155.92	11.03	73.59	-144.85	1,456.91	-1,697.96	2,537.82	2,453.80	84.02	30.205		
2,300.00	2,257.36	2,253.36	2,253.36	11.53	76.99	-145.14	1,456.91	-1,697.96	2,556.38	2,468.51	87.87	29.092		
2,400.00	2,354.81	2,350.81	2,350.81	12.03	80.39	-145.42	1,456.91	-1,697.96	2,575.00	2,483.28	91.72	28.073		
2,500.00	2,452.25	2,448.25	2,448.25	12.54	83.79	-145.70	1,456.91	-1,697.96	2,593.68	2,498.10	95.58	27.136		
2,600.00	2,549.69	2,545.69	2,545.69	13.04	87.19	-145.98	1,456.91	-1,697.96	2,612.43	2,512.99	99.44	26.272		
2,700.00	2,647.13	2,643.13	2,643.13	13.55	90.59	-146.25	1,456.91	-1,697.96	2,631.23	2,527.93	103.29	25.473		
2,800.00	2,744.58	2,740.58	2,740.58	14.06	93.99	-146.52	1,456.91	-1,697.96	2,650.08	2,542.93	107.15	24.732		
2,900.00	2,842.02	2,838.02	2,838.02	14.57	97.39	-146.78	1,456.91	-1,697.96	2,669.00	2,557.98	111.01	24.042		
3,000.00	2,939.46	2,935.46	2,935.46	15.09	100.79	-147.04	1,456.91	-1,697.96	2,687.96	2,573.09	114.87	23.399		
3,100.00	3,036.91	3,032.91	3,032.91	15.60	104.19	-147.30	1,456.91	-1,697.96	2,706.99	2,588.25	118.73	22.799		
3,200.00	3,134.35	3,130.35	3,130.35	16.11	107.59	-147.55	1,456.91	-1,697.96	2,726.06	2,603.46	122.60	22.236		
3,300.00	3,231.79	3,227.79	3,227.79	16.63	110.99	-147.80	1,456.91	-1,697.96	2,745.18	2,618.72	126.46	21.708		
3,400.00	3,329.24	3,325.24	3,325.24	17.14	114.39	-148.05	1,456.91	-1,697.96	2,764.36	2,634.04	130.32	21.212		
3,500.00	3,426.68	3,422.68	3,422.68	17.66	117.79	-148.29	1,456.91	-1,697.96	2,783.58	2,649.40	134.19	20.744		
3,600.00	3,524.12	3,520.12	3,520.12	18.18	121.19	-148.53	1,456.91	-1,697.96	2,802.86	2,664.81	138.05	20.303		
3,700.00	3,621.57	3,617.57	3,617.57	18.69	124.59	-148.77	1,456.91	-1,697.96	2,822.18	2,680.26	141.92	19.886		
3,800.00	3,719.01	3,715.01	3,715.01	19.21	127.99	-149.00	1,456.91	-1,697.96	2,841.55	2,695.76	145.78	19.492		
3,900.00	3,816.45	3,812.45	3,812.45	19.73	131.39	-149.23	1,456.91	-1,697.96	2,860.96	2,711.31	149.65	19.118		
4,000.00	3,913.90	3,909.90	3,909.90	20.25	134.79	-149.46	1,456.91	-1,697.96	2,880.41	2,726.90	153.51	18.764		
4,100.00	4,011.34	4,007.34	4,007.34	20.77	138.19	-149.68	1,456.91	-1,697.96	2,899.91	2,742.54	157.38	18.427		
4,200.00	4,108.78	4,104.78	4,104.78	21.29	141.59	-149.90	1,456.91	-1,697.96	2,919.46	2,758.21	161.24	18.106		
4,300.00	4,206.22	4,202.22	4,202.22	21.81	144.99	-150.12	1,456.91	-1,697.96	2,939.04	2,773.93	165.11	17.801		
4,400.00	4,303.67	4,300.33	4,299.67	22.33	148.42	-150.34	1,456.91	-1,697.96	2,958.67	2,789.67	169.00	17.507		
4,500.00	4,401.11	4,402.89	4,397.11	22.85	152.00	-150.55	1,456.91	-1,697.96	2,978.33	2,805.29	173.04	17.211		
4,600.00	4,498.55	4,505.45	4,494.55	23.37	155.57	-150.76	1,456.91	-1,697.96	2,998.04	2,820.95	177.09	16.930		
4,700.00	4,596.00	4,608.00	4,592.00	23.89	159.15	-150.97	1,456.91	-1,697.96	3,017.78	2,836.65	181.13	16.661		
4,800.00	4,693.44	4,689.44	4,689.44	24.41	162.00	-151.17	1,456.91	-1,697.96	3,037.56	2,853.12	184.44	16.469		
4,900.00	4,790.88	4,786.88	4,786.88	24.93	165.40	-151.37	1,456.91	-1,697.96	3,057.38	2,869.07	188.31	16.236		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH														Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,888.33	4,884.33	4,884.33	25.46	168.80	-151.57	1,456.91	-1,697.96	3,077.24	2,885.06	192.18	16.013			
5,100.00	4,985.77	4,981.77	4,981.77	25.98	172.20	-151.77	1,456.91	-1,697.96	3,097.13	2,901.09	196.04	15.798			
5,200.00	5,083.21	5,079.21	5,079.21	26.50	175.60	-151.96	1,456.91	-1,697.96	3,117.05	2,917.14	199.91	15.592			
5,300.00	5,180.66	5,176.66	5,176.66	27.02	179.00	-152.15	1,456.91	-1,697.96	3,137.01	2,933.24	203.78	15.394			
5,400.00	5,278.10	5,274.10	5,274.10	27.55	182.40	-152.34	1,456.91	-1,697.96	3,157.01	2,949.36	207.64	15.204			
5,500.00	5,375.54	5,371.54	5,371.54	28.07	185.80	-152.53	1,456.91	-1,697.96	3,177.04	2,965.52	211.51	15.021			
5,582.90	5,456.32	5,452.32	5,452.32	28.50	188.62	-152.68	1,456.91	-1,697.96	3,193.66	2,978.94	214.72	14.874			
5,600.00	5,473.00	5,469.00	5,469.00	28.59	189.21	-152.75	1,456.91	-1,697.96	3,197.05	2,981.67	215.38	14.844			
5,700.00	5,570.93	5,566.93	5,566.93	29.10	192.62	-153.08	1,456.91	-1,697.96	3,215.09	2,995.84	219.26	14.664			
5,800.00	5,669.52	5,665.52	5,665.52	29.57	196.07	-153.35	1,456.91	-1,697.96	3,230.09	3,006.94	223.14	14.475			
5,900.00	5,768.62	5,764.62	5,764.62	30.03	199.52	-153.56	1,456.91	-1,697.96	3,242.01	3,014.97	227.04	14.279			
6,000.00	5,868.13	5,864.13	5,864.13	30.45	203.00	-153.72	1,456.91	-1,697.96	3,250.82	3,019.89	230.94	14.077			
6,100.00	5,967.93	5,963.93	5,963.93	30.86	206.48	-153.82	1,456.91	-1,697.96	3,256.52	3,021.69	234.83	13.867			
6,200.00	6,067.88	6,063.88	6,063.88	31.24	209.97	-153.86	1,456.91	-1,697.96	3,259.10	3,020.37	238.72	13.652			
6,232.12	6,100.00	6,104.00	6,096.00	31.36	211.37	-63.15	1,456.91	-1,697.96	3,259.26	3,019.01	240.25	13.566			
6,300.00	6,167.88	6,163.88	6,163.88	31.61	213.46	-63.15	1,456.91	-1,697.96	3,259.26	3,016.66	242.59	13.435			
6,400.00	6,267.88	6,263.88	6,263.88	31.97	216.95	-63.15	1,456.91	-1,697.96	3,259.26	3,012.79	246.46	13.224			
6,500.00	6,367.88	6,363.88	6,363.88	32.34	220.44	-63.15	1,456.91	-1,697.96	3,259.26	3,008.92	250.34	13.020			
6,600.00	6,467.88	6,463.88	6,463.88	32.70	223.93	-63.15	1,456.91	-1,697.96	3,259.26	3,005.05	254.21	12.821			
6,700.00	6,567.88	6,563.88	6,563.88	33.07	227.42	-63.15	1,456.91	-1,697.96	3,259.26	3,001.17	258.08	12.629			
6,736.50	6,604.38	6,600.38	6,600.38	33.21	228.70	-63.15	1,456.91	-1,697.96	3,259.26	2,999.76	259.50	12.560			
6,750.00	6,617.88	6,613.88	6,613.88	33.25	229.17	23.95	1,456.91	-1,697.96	3,259.13	2,999.11	260.02	12.534			
6,800.00	6,667.77	6,663.77	6,663.77	33.43	230.91	24.07	1,456.91	-1,697.96	3,256.37	2,994.43	261.94	12.432			
6,850.00	6,717.28	6,713.28	6,713.28	33.60	232.64	24.36	1,456.91	-1,697.96	3,250.04	2,986.21	263.83	12.319			
6,900.00	6,766.09	6,762.09	6,762.09	33.79	234.34	24.81	1,456.91	-1,697.96	3,240.19	2,974.50	265.69	12.196			
6,950.00	6,813.90	6,809.90	6,809.90	33.99	236.01	25.45	1,456.91	-1,697.96	3,226.88	2,959.38	267.50	12.063			
7,000.00	6,860.42	6,856.42	6,856.42	34.20	237.64	26.28	1,456.91	-1,697.96	3,210.20	2,940.95	269.25	11.923			
7,050.00	6,905.36	6,901.36	6,901.36	34.42	239.20	27.34	1,456.91	-1,697.96	3,190.27	2,919.33	270.94	11.775			
7,100.00	6,948.45	6,944.45	6,944.45	34.67	240.71	28.64	1,456.91	-1,697.96	3,167.22	2,894.66	272.56	11.620			
7,150.00	6,989.41	6,985.41	6,985.41	34.94	242.14	30.24	1,456.91	-1,697.96	3,141.22	2,867.12	274.10	11.460			
7,200.00	7,028.00	7,024.00	7,024.00	35.24	243.49	32.16	1,456.91	-1,697.96	3,112.43	2,836.88	275.55	11.295			
7,250.00	7,063.98	7,059.98	7,059.98	35.56	244.74	34.48	1,456.91	-1,697.96	3,081.05	2,804.14	276.91	11.127			
7,300.00	7,097.13	7,106.87	7,093.13	35.92	246.38	37.27	1,456.91	-1,697.96	3,047.30	2,768.65	278.65	10.936			
7,350.00	7,127.23	7,123.23	7,123.23	36.32	246.95	40.59	1,456.91	-1,697.96	3,011.40	2,732.07	279.33	10.781			
7,400.00	7,154.12	7,150.12	7,150.12	36.75	247.89	44.56	1,456.91	-1,697.96	2,973.60	2,693.21	280.39	10.605			
7,450.00	7,177.61	7,173.61	7,173.61	37.22	248.71	49.26	1,456.91	-1,697.96	2,934.14	2,652.81	281.34	10.429			
7,500.00	7,197.57	7,206.43	7,193.57	37.73	249.85	54.77	1,456.91	-1,697.96	2,893.31	2,610.68	282.63	10.237			
7,550.00	7,213.88	7,209.88	7,209.88	38.28	249.97	61.12	1,456.91	-1,697.96	2,851.36	2,568.45	282.91	10.079			
7,600.00	7,226.42	7,222.42	7,222.42	38.87	250.41	68.27	1,456.91	-1,697.96	2,808.59	2,525.05	283.54	9.905			
7,650.00	7,235.13	7,231.13	7,231.13	39.48	250.72	76.03	1,456.91	-1,697.96	2,765.26	2,481.21	284.05	9.735			
7,700.00	7,239.95	7,235.95	7,235.95	40.12	250.88	84.12	1,456.91	-1,697.96	2,721.67	2,437.21	284.46	9.568			
7,735.44	7,241.00	7,237.00	7,237.00	40.59	250.92	89.83	1,456.91	-1,697.96	2,690.77	2,406.09	284.68	9.452			
7,800.00	7,241.11	7,237.11	7,237.11	41.47	250.92	89.84	1,456.91	-1,697.96	2,634.74	2,349.69	285.05	9.243			
7,900.00	7,241.27	7,237.27	7,237.27	42.96	250.93	89.84	1,456.91	-1,697.96	2,548.74	2,263.01	285.73	8.920			
8,000.00	7,241.44	7,237.44	7,237.44	44.59	250.94	89.85	1,456.91	-1,697.96	2,463.81	2,177.26	286.55	8.598			
8,100.00	7,241.61	7,237.61	7,237.61	46.34	250.94	89.86	1,456.91	-1,697.96	2,380.04	2,092.52	287.52	8.278			
8,200.00	7,241.77	7,237.77	7,237.77	48.20	250.95	89.86	1,456.91	-1,697.96	2,297.57	2,008.91	288.67	7.959			
8,300.00	7,241.94	7,237.94	7,237.94	50.16	250.95	89.87	1,456.91	-1,697.96	2,216.55	1,926.56	290.00	7.643			
8,400.00	7,242.11	7,238.11	7,238.11	52.20	250.96	89.88	1,456.91	-1,697.96	2,137.14	1,845.61	291.53	7.331			
8,500.00	7,242.27	7,238.27	7,238.27	54.31	250.96	89.89	1,456.91	-1,697.96	2,059.52	1,766.25	293.27	7.023			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,600.00	7,242.44	7,238.44	7,238.44	56.49	250.97	89.89	1,456.91	-1,697.96	1,983.90	1,688.65	295.25	6.719			
8,700.00	7,242.60	7,238.60	7,238.60	58.73	250.98	89.90	1,456.91	-1,697.96	1,910.53	1,613.06	297.47	6.423			
8,800.00	7,242.77	7,238.77	7,238.77	61.03	250.98	89.91	1,456.91	-1,697.96	1,839.67	1,539.73	299.93	6.134			
8,900.00	7,242.94	7,238.94	7,238.94	63.37	250.99	89.91	1,456.91	-1,697.96	1,771.62	1,468.96	302.66	5.854			
9,000.00	7,243.10	7,239.10	7,239.10	65.75	250.99	89.92	1,456.91	-1,697.96	1,706.72	1,401.08	305.64	5.584			
9,100.00	7,243.27	7,239.27	7,239.27	68.18	251.00	89.93	1,456.91	-1,697.96	1,645.34	1,336.48	308.86	5.327			
9,200.00	7,243.44	7,239.44	7,239.44	70.63	251.01	89.94	1,456.91	-1,697.96	1,587.89	1,275.57	312.32	5.084			
9,300.00	7,243.60	7,239.60	7,239.60	73.12	251.01	89.94	1,456.91	-1,697.96	1,534.81	1,218.84	315.97	4.857			
9,400.00	7,243.77	7,239.77	7,239.77	75.63	251.02	89.95	1,456.91	-1,697.96	1,486.57	1,166.78	319.79	4.649			
9,500.00	7,243.94	7,239.94	7,239.94	78.17	251.02	89.96	1,456.91	-1,697.96	1,443.66	1,119.95	323.71	4.460			
9,600.00	7,244.10	7,240.10	7,240.10	80.73	251.03	89.97	1,456.91	-1,697.96	1,406.56	1,078.89	327.67	4.293			
9,700.00	7,244.27	7,240.27	7,240.27	83.31	251.03	89.97	1,456.91	-1,697.96	1,375.74	1,044.16	331.58	4.149			
9,800.00	7,244.44	7,240.44	7,240.44	85.91	251.04	89.98	1,456.91	-1,697.96	1,351.63	1,016.29	335.34	4.031			
9,900.00	7,244.60	7,240.60	7,240.60	88.53	251.05	89.99	1,456.91	-1,697.96	1,334.60	995.73	338.87	3.938			
10,000.00	7,244.77	7,240.77	7,240.77	91.16	251.05	89.99	1,456.91	-1,697.96	1,324.92	982.86	342.06	3.873			
10,078.74	7,244.90	7,240.90	7,240.90	93.24	251.06	90.00	1,456.91	-1,697.96	1,322.58	978.28	344.30	3.841 CC			
10,100.00	7,244.94	7,240.94	7,240.94	93.81	251.06	90.00	1,456.91	-1,697.96	1,322.75	977.90	344.85	3.836 ES			
10,200.00	7,245.10	7,241.10	7,241.10	96.46	251.06	90.01	1,456.91	-1,697.96	1,328.13	980.95	347.17	3.826 SF			
10,300.00	7,245.27	7,241.27	7,241.27	99.14	251.07	90.02	1,456.91	-1,697.96	1,340.96	991.96	349.00	3.842			
10,400.00	7,245.43	7,241.43	7,241.43	101.82	251.07	90.02	1,456.91	-1,697.96	1,361.04	1,010.72	350.31	3.885			
10,500.00	7,245.60	7,241.60	7,241.60	104.51	251.08	90.03	1,456.91	-1,697.96	1,388.05	1,036.90	351.15	3.953			
10,600.00	7,245.77	7,241.77	7,241.77	107.21	251.09	90.04	1,456.91	-1,697.96	1,421.59	1,070.06	351.53	4.044			
10,700.00	7,245.93	7,241.93	7,241.93	109.92	251.09	90.04	1,456.91	-1,697.96	1,461.23	1,109.70	351.53	4.157			
10,800.00	7,246.10	7,242.10	7,242.10	112.64	251.10	90.05	1,456.91	-1,697.96	1,506.46	1,155.28	351.19	4.290			
10,900.00	7,246.27	7,242.27	7,242.27	115.37	251.10	90.06	1,456.91	-1,697.96	1,556.82	1,206.24	350.58	4.441			
11,000.00	7,246.43	7,242.43	7,242.43	118.10	251.11	90.07	1,456.91	-1,697.96	1,611.81	1,262.06	349.75	4.608			
11,100.00	7,246.60	7,242.60	7,242.60	120.84	251.12	90.07	1,456.91	-1,697.96	1,670.99	1,322.22	348.77	4.791			
11,200.00	7,246.77	7,242.77	7,242.77	123.58	251.12	90.08	1,456.91	-1,697.96	1,733.91	1,386.24	347.67	4.987			
11,300.00	7,246.93	7,242.93	7,242.93	126.34	251.13	90.09	1,456.91	-1,697.96	1,800.19	1,453.70	346.50	5.195			
11,340.34	7,247.00	7,243.00	7,243.00	127.45	251.13	90.09	1,456.91	-1,697.96	1,827.80	1,481.80	346.01	5.283			
11,400.00	7,247.10	7,243.10	7,243.10	129.09	251.13	90.10	1,456.91	-1,697.96	1,869.92	1,524.64	345.28	5.416			
11,500.00	7,247.27	7,243.27	7,243.27	131.84	251.14	90.12	1,456.91	-1,697.96	1,944.42	1,600.33	344.09	5.651			
11,586.15	7,247.43	7,243.43	7,243.43	134.20	251.14	90.14	1,456.91	-1,697.96	2,012.11	1,669.01	343.10	5.865			
11,600.00	7,247.45	7,243.45	7,243.45	134.57	251.15	90.14	1,456.91	-1,697.96	2,023.25	1,680.31	342.94	5.900			
11,700.00	7,247.64	7,243.64	7,243.64	137.31	251.15	90.15	1,456.91	-1,697.96	2,104.63	1,762.79	341.84	6.157			
11,800.00	7,247.82	7,243.82	7,243.82	140.05	251.16	90.16	1,456.91	-1,697.96	2,187.56	1,846.79	340.77	6.420			
11,900.00	7,248.00	7,244.00	7,244.00	142.79	251.16	90.17	1,456.91	-1,697.96	2,271.86	1,932.13	339.73	6.687			
12,000.00	7,248.18	7,244.18	7,244.18	145.53	251.17	90.18	1,456.91	-1,697.96	2,357.39	2,018.65	338.73	6.959			
12,100.00	7,248.37	7,244.37	7,244.37	148.28	251.18	90.19	1,456.91	-1,697.96	2,444.01	2,106.23	337.78	7.236			
12,200.00	7,248.55	7,244.55	7,244.55	151.04	251.18	90.19	1,456.91	-1,697.96	2,531.63	2,194.76	336.86	7.515			
12,300.00	7,248.73	7,244.73	7,244.73	153.80	251.19	90.20	1,456.91	-1,697.96	2,620.13	2,284.14	335.99	7.798			
12,400.00	7,248.91	7,244.91	7,244.91	156.56	251.20	90.21	1,456.91	-1,697.96	2,709.43	2,374.27	335.16	8.084			
12,500.00	7,249.10	7,245.10	7,245.10	159.32	251.20	90.22	1,456.91	-1,697.96	2,799.45	2,465.09	334.36	8.372			
12,600.00	7,249.28	7,245.28	7,245.28	162.09	251.21	90.23	1,456.91	-1,697.96	2,890.13	2,556.52	333.61	8.663			
12,700.00	7,249.46	7,245.46	7,245.46	164.86	251.22	90.24	1,456.91	-1,697.96	2,981.41	2,648.52	332.89	8.956			
12,800.00	7,249.64	7,245.64	7,245.64	167.63	251.22	90.25	1,456.91	-1,697.96	3,073.23	2,741.03	332.20	9.251			
12,900.00	7,249.83	7,245.83	7,245.83	170.40	251.23	90.26	1,456.91	-1,697.96	3,165.54	2,833.99	331.55	9.548			
13,000.00	7,250.01	7,246.01	7,246.01	173.18	251.23	90.26	1,456.91	-1,697.96	3,258.31	2,927.38	330.93	9.846			
13,100.00	7,250.19	7,246.19	7,246.19	175.96	251.24	90.27	1,456.91	-1,697.96	3,351.49	3,021.16	330.34	10.146			
13,200.00	7,250.37	7,246.37	7,246.37	178.74	251.25	90.28	1,456.91	-1,697.96	3,445.06	3,115.29	329.77	10.447			
13,300.00	7,250.56	7,246.56	7,246.56	181.52	251.25	90.29	1,456.91	-1,697.96	3,538.98	3,209.74	329.24	10.749			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,400.00	7,250.74	7,246.74	7,246.74	184.31	251.26	90.30	1,456.91	-1,697.96	3,633.22	3,304.49	328.73	11.052			
13,500.00	7,250.92	7,246.92	7,246.92	187.09	251.27	90.31	1,456.91	-1,697.96	3,727.76	3,399.52	328.24	11.357			
13,600.00	7,251.10	7,247.10	7,247.10	189.88	251.27	90.32	1,456.91	-1,697.96	3,822.59	3,494.81	327.78	11.662			
13,700.00	7,251.29	7,247.29	7,247.29	192.67	251.28	90.33	1,456.91	-1,697.96	3,917.66	3,590.33	327.34	11.968			
13,800.00	7,251.47	7,247.47	7,247.47	195.47	251.29	90.33	1,456.91	-1,697.96	4,012.98	3,686.07	326.91	12.275			
13,900.00	7,251.65	7,247.65	7,247.65	198.26	251.29	90.34	1,456.91	-1,697.96	4,108.52	3,782.01	326.51	12.583			
14,000.00	7,251.83	7,247.83	7,247.83	201.05	251.30	90.35	1,456.91	-1,697.96	4,204.27	3,878.14	326.13	12.891			
14,100.00	7,252.01	7,248.01	7,248.01	203.85	251.30	90.36	1,456.91	-1,697.96	4,300.21	3,974.45	325.76	13.200			
14,200.00	7,252.20	7,248.20	7,248.20	206.65	251.31	90.37	1,456.91	-1,697.96	4,396.33	4,070.92	325.41	13.510			
14,300.00	7,252.38	7,248.38	7,248.38	209.45	251.32	90.38	1,456.91	-1,697.96	4,492.62	4,167.54	325.08	13.820			
14,400.00	7,252.56	7,248.56	7,248.56	212.25	251.32	90.39	1,456.91	-1,697.96	4,589.07	4,264.31	324.76	14.131			
14,500.00	7,252.74	7,248.74	7,248.74	215.05	251.33	90.39	1,456.91	-1,697.96	4,685.67	4,361.22	324.46	14.442			
14,600.00	7,252.93	7,248.93	7,248.93	217.86	251.34	90.40	1,456.91	-1,697.96	4,782.41	4,458.25	324.17	14.753			
14,700.00	7,253.11	7,249.11	7,249.11	220.66	251.34	90.41	1,456.91	-1,697.96	4,879.28	4,555.39	323.89	15.065			
14,800.00	7,253.29	7,249.29	7,249.29	223.47	251.35	90.42	1,456.91	-1,697.96	4,976.28	4,652.65	323.62	15.377			
14,900.00	7,253.47	7,249.47	7,249.47	226.27	251.36	90.43	1,456.91	-1,697.96	5,073.39	4,750.02	323.37	15.689			
15,000.00	7,253.66	7,249.66	7,249.66	229.08	251.36	90.44	1,456.91	-1,697.96	5,170.61	4,847.48	323.12	16.002			
15,100.00	7,253.84	7,249.84	7,249.84	231.89	251.37	90.45	1,456.91	-1,697.96	5,267.93	4,945.04	322.89	16.315			
15,200.00	7,254.02	7,250.02	7,250.02	234.70	251.37	90.46	1,456.91	-1,697.96	5,365.36	5,042.69	322.67	16.628			
15,300.00	7,254.20	7,250.20	7,250.20	237.51	251.38	90.46	1,456.91	-1,697.96	5,462.87	5,140.42	322.46	16.941			
15,400.00	7,254.39	7,250.39	7,250.39	240.32	251.39	90.47	1,456.91	-1,697.96	5,560.48	5,238.22	322.25	17.255			
15,500.00	7,254.57	7,250.57	7,250.57	243.13	251.39	90.48	1,456.91	-1,697.96	5,658.16	5,336.11	322.06	17.569			
15,600.00	7,254.75	7,250.75	7,250.75	245.94	251.40	90.49	1,456.91	-1,697.96	5,755.93	5,434.06	321.87	17.883			
15,700.00	7,254.93	7,250.93	7,250.93	248.76	251.41	90.50	1,456.91	-1,697.96	5,853.78	5,532.08	321.69	18.197			
15,800.00	7,255.12	7,251.12	7,251.12	251.57	251.41	90.51	1,456.91	-1,697.96	5,951.69	5,630.17	321.52	18.511			
15,900.00	7,255.30	7,251.30	7,251.30	254.39	251.42	90.52	1,456.91	-1,697.96	6,049.67	5,728.31	321.36	18.825			
16,000.00	7,255.48	7,251.48	7,251.48	257.20	251.43	90.53	1,456.91	-1,697.96	6,147.72	5,826.52	321.21	19.140			
16,100.00	7,255.66	7,251.66	7,251.66	260.02	251.43	90.53	1,456.91	-1,697.96	6,245.83	5,924.77	321.06	19.454			
16,200.00	7,255.85	7,251.85	7,251.85	262.84	251.44	90.54	1,456.91	-1,697.96	6,344.00	6,023.08	320.91	19.768			
16,300.00	7,256.03	7,252.03	7,252.03	265.65	251.44	90.55	1,456.91	-1,697.96	6,442.22	6,121.45	320.78	20.083			
16,400.00	7,256.21	7,252.21	7,252.21	268.47	251.45	90.56	1,456.91	-1,697.96	6,540.50	6,219.85	320.65	20.398			
16,500.00	7,256.39	7,252.39	7,252.39	271.29	251.46	90.57	1,456.91	-1,697.96	6,638.83	6,318.31	320.53	20.712			
16,600.00	7,256.58	7,252.58	7,252.58	274.11	251.46	90.58	1,456.91	-1,697.96	6,737.21	6,416.81	320.41	21.027			
16,700.00	7,256.76	7,252.76	7,252.76	276.93	251.47	90.59	1,456.91	-1,697.96	6,835.64	6,515.34	320.30	21.342			
16,800.00	7,256.94	7,252.94	7,252.94	279.75	251.48	90.60	1,456.91	-1,697.96	6,934.11	6,613.92	320.19	21.656			
16,900.00	7,257.12	7,253.12	7,253.12	282.57	251.48	90.60	1,456.91	-1,697.96	7,032.63	6,712.54	320.09	21.971			
17,000.00	7,257.30	7,253.30	7,253.30	285.40	251.49	90.61	1,456.91	-1,697.96	7,131.18	6,811.19	319.99	22.286			
17,100.00	7,257.49	7,253.49	7,253.49	288.22	251.50	90.62	1,456.91	-1,697.96	7,229.78	6,909.88	319.90	22.600			
17,200.00	7,257.67	7,253.67	7,253.67	291.04	251.50	90.63	1,456.91	-1,697.96	7,328.41	7,008.60	319.81	22.915			
17,300.00	7,257.85	7,253.85	7,253.85	293.87	251.51	90.64	1,456.91	-1,697.96	7,427.08	7,107.36	319.72	23.230			
17,400.00	7,258.03	7,254.03	7,254.03	296.69	251.51	90.65	1,456.91	-1,697.96	7,525.79	7,206.14	319.65	23.544			
17,500.00	7,258.22	7,254.22	7,254.22	299.51	251.52	90.66	1,456.91	-1,697.96	7,624.53	7,304.96	319.57	23.859			
17,600.00	7,258.40	7,254.40	7,254.40	302.34	251.53	90.66	1,456.91	-1,697.96	7,723.30	7,403.80	319.50	24.173			
17,700.00	7,258.58	7,254.58	7,254.58	305.16	251.53	90.67	1,456.91	-1,697.96	7,822.10	7,502.67	319.43	24.488			
17,800.00	7,258.76	7,254.76	7,254.76	307.99	251.54	90.68	1,456.91	-1,697.96	7,920.93	7,601.56	319.37	24.802			
17,900.00	7,258.95	7,254.95	7,254.95	310.82	251.55	90.69	1,456.91	-1,697.96	8,019.79	7,700.49	319.31	25.116			
18,000.00	7,259.13	7,255.13	7,255.13	313.64	251.55	90.70	1,456.91	-1,697.96	8,118.68	7,799.43	319.25	25.430			
18,100.00	7,259.31	7,255.31	7,255.31	316.47	251.56	90.71	1,456.91	-1,697.96	8,217.60	7,898.40	319.20	25.744			
18,200.00	7,259.49	7,255.49	7,255.49	319.30	251.57	90.72	1,456.91	-1,697.96	8,316.54	7,997.39	319.15	26.058			
18,300.00	7,259.68	7,255.68	7,255.68	322.12	251.57	90.73	1,456.91	-1,697.96	8,415.51	8,096.40	319.11	26.372			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design										Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH				Offset Site Error:		0.00 ft	
Survey Program:										100-2" Cone@2.448 Sigma				Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
18,400.00	7,259.86	7,255.86	7,255.86	324.95	251.58	90.73	1,456.91	-1,697.96	8,514.50	8,195.44	319.06	26.686					
18,500.00	7,260.04	7,256.04	7,256.04	327.78	251.58	90.74	1,456.91	-1,697.96	8,613.52	8,294.49	319.02	27.000					
18,600.00	7,260.22	7,256.22	7,256.22	330.61	251.59	90.75	1,456.91	-1,697.96	8,712.55	8,393.57	318.99	27.313					
18,700.00	7,260.41	7,256.41	7,256.41	333.44	251.60	90.76	1,456.91	-1,697.96	8,811.61	8,492.66	318.95	27.627					
18,800.00	7,260.59	7,256.59	7,256.59	336.27	251.60	90.77	1,456.91	-1,697.96	8,910.69	8,591.77	318.92	27.940					
18,900.00	7,260.77	7,256.77	7,256.77	339.10	251.61	90.78	1,456.91	-1,697.96	9,009.79	8,690.90	318.89	28.253					
19,000.00	7,260.95	7,256.95	7,256.95	341.93	251.62	90.79	1,456.91	-1,697.96	9,108.91	8,790.05	318.87	28.566					
19,025.91	7,261.00	7,257.00	7,257.00	342.66	251.62	90.79	1,456.91	-1,697.96	9,134.60	8,815.74	318.86	28.647					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-106.89	-2,168.77	-7,143.56	7,465.53					
100.00	100.00	85.54	85.54	3.28	3.29	-106.89	-2,168.99	-7,143.52	7,465.55	7,458.98	6.57	1,136.294		
200.00	200.00	174.75	174.75	3.34	3.31	-106.89	-2,169.65	-7,143.41	7,465.65	7,459.01	6.65	1,123.093		
300.00	299.98	258.71	258.71	3.44	3.38	162.38	-2,170.49	-7,143.46	7,467.66	7,460.83	6.82	1,094.477		
400.00	399.84	357.06	357.05	3.60	3.51	162.35	-2,171.61	-7,143.53	7,473.05	7,465.94	7.11	1,051.096		
500.00	499.45	448.25	448.23	3.81	3.67	162.31	-2,172.26	-7,143.84	7,481.87	7,474.40	7.48	1,000.870		
600.00	598.70	551.54	551.52	4.05	3.89	162.26	-2,172.68	-7,144.26	7,494.00	7,486.05	7.94	943.324		
700.00	697.47	636.47	636.45	4.34	4.10	162.20	-2,173.29	-7,144.55	7,509.45	7,501.01	8.44	889.875		
800.00	795.62	707.33	707.30	4.66	4.30	162.11	-2,173.72	-7,145.07	7,528.50	7,519.55	8.95	841.579		
849.22	843.68	748.40	748.38	4.84	4.41	162.06	-2,173.91	-7,145.47	7,539.17	7,529.94	9.23	816.803		
900.00	893.16	790.82	790.79	5.02	4.54	162.08	-2,174.08	-7,145.95	7,550.64	7,541.11	9.53	792.496		
1,000.00	990.60	881.74	881.70	5.41	4.82	162.13	-2,174.63	-7,146.98	7,573.31	7,563.15	10.16	745.421		
1,100.00	1,088.05	971.91	971.86	5.83	5.12	162.18	-2,175.20	-7,148.09	7,596.07	7,585.25	10.82	701.839		
1,200.00	1,185.49	1,017.12	1,017.07	6.26	5.27	162.20	-2,175.14	-7,148.93	7,619.22	7,607.86	11.35	671.093		
1,300.00	1,282.93	1,061.00	1,060.93	6.70	5.42	162.23	-2,174.66	-7,150.17	7,643.02	7,631.13	11.89	642.688		
1,400.00	1,380.37	1,105.38	1,105.27	7.15	5.57	162.27	-2,173.78	-7,151.86	7,667.50	7,655.05	12.44	616.286		
1,500.00	1,477.82	1,153.00	1,152.81	7.62	5.73	162.31	-2,172.44	-7,154.16	7,692.67	7,679.66	13.01	591.268		
1,600.00	1,575.26	1,190.90	1,190.62	8.09	5.87	162.34	-2,171.04	-7,156.37	7,718.52	7,704.96	13.55	569.541		
1,700.00	1,672.70	1,248.00	1,247.51	8.57	6.07	162.40	-2,168.27	-7,160.33	7,745.07	7,730.90	14.17	546.581		
1,800.00	1,770.15	1,248.00	1,247.51	9.05	6.07	162.40	-2,168.27	-7,160.33	7,772.35	7,757.77	14.58	533.158		
1,900.00	1,867.59	1,299.53	1,298.77	9.54	6.26	162.46	-2,165.25	-7,164.67	7,800.29	7,785.10	15.18	513.709		
2,000.00	1,965.03	1,343.00	1,341.94	10.03	6.42	162.51	-2,162.45	-7,168.97	7,829.15	7,813.39	15.76	496.683		
2,100.00	2,062.48	1,370.97	1,369.67	10.53	6.53	162.55	-2,160.50	-7,171.99	7,858.72	7,842.43	16.28	482.619		
2,200.00	2,159.92	1,419.56	1,417.80	11.03	6.72	162.61	-2,156.80	-7,177.57	7,888.91	7,872.02	16.89	467.116		
2,300.00	2,257.36	1,484.19	1,481.71	11.53	6.98	162.70	-2,151.37	-7,185.47	7,919.62	7,902.05	17.57	450.820		
2,400.00	2,354.81	1,564.65	1,561.22	12.03	7.31	162.81	-2,144.27	-7,195.60	7,950.60	7,932.28	18.32	433.943		
2,500.00	2,452.25	1,649.08	1,644.64	12.54	7.68	162.93	-2,136.80	-7,206.29	7,981.70	7,962.59	19.10	417.811		
2,600.00	2,549.69	1,723.00	1,717.70	13.04	8.00	163.03	-2,130.77	-7,215.73	8,013.06	7,993.22	19.84	403.787		
2,700.00	2,647.13	1,849.44	1,842.81	13.55	8.57	163.19	-2,121.17	-7,231.35	8,044.21	8,023.38	20.84	386.049		
2,800.00	2,744.58	1,914.00	1,906.73	14.06	8.87	163.27	-2,116.77	-7,239.27	8,075.52	8,053.97	21.54	374.826		
2,900.00	2,842.02	2,049.14	2,040.64	14.57	9.49	163.43	-2,108.49	-7,255.37	8,106.68	8,084.08	22.59	358.817		
3,000.00	2,939.46	2,136.93	2,127.61	15.09	9.90	163.53	-2,102.58	-7,265.82	8,137.74	8,114.32	23.42	347.456		
3,100.00	3,036.91	2,233.34	2,223.02	15.60	10.36	163.65	-2,095.28	-7,277.60	8,168.93	8,144.63	24.30	336.199		
3,200.00	3,134.35	2,375.04	2,363.31	16.11	11.04	163.82	-2,084.47	-7,294.40	8,199.80	8,174.39	25.41	322.729		
3,300.00	3,231.79	2,511.19	2,498.13	16.63	11.70	163.99	-2,073.57	-7,309.84	8,230.12	8,203.63	26.50	310.600		
3,400.00	3,329.24	2,606.32	2,592.33	17.14	12.16	164.11	-2,065.63	-7,320.46	8,260.26	8,232.88	27.38	301.647		
3,500.00	3,426.68	2,684.95	2,670.22	17.66	12.54	164.20	-2,059.37	-7,329.25	8,290.52	8,262.34	28.19	294.119		
3,600.00	3,524.12	2,749.57	2,734.23	18.18	12.86	164.28	-2,054.41	-7,336.61	8,321.08	8,292.16	28.92	287.738		
3,700.00	3,621.57	2,814.21	2,798.23	18.69	13.18	164.36	-2,049.46	-7,344.21	8,352.00	8,322.35	29.65	281.675		
3,800.00	3,719.01	2,883.87	2,867.16	19.21	13.53	164.44	-2,043.96	-7,352.68	8,383.27	8,352.86	30.41	275.670		
3,900.00	3,816.45	2,976.00	2,958.26	19.73	13.99	164.55	-2,036.46	-7,364.10	8,414.73	8,383.44	31.29	268.920		
4,000.00	3,913.90	3,102.96	3,083.94	20.25	14.63	164.70	-2,026.83	-7,379.32	8,445.95	8,413.59	32.36	261.026		
4,100.00	4,011.34	3,177.24	3,157.48	20.77	15.00	164.79	-2,021.13	-7,388.13	8,477.10	8,443.95	33.14	255.774		
4,200.00	4,108.78	3,241.00	3,220.55	21.29	15.33	164.86	-2,016.16	-7,396.04	8,508.70	8,474.83	33.87	251.193		
4,300.00	4,206.22	3,374.67	3,352.95	21.81	16.00	165.00	-2,007.27	-7,412.07	8,540.23	8,505.26	34.97	244.182		
4,400.00	4,303.67	3,626.33	3,602.73	22.33	17.23	165.25	-1,991.85	-7,438.52	8,570.30	8,533.61	36.69	233.555		
4,500.00	4,401.11	3,743.68	3,719.15	22.85	17.81	165.38	-1,982.79	-7,450.16	8,599.72	8,562.01	37.71	228.026		
4,600.00	4,498.55	4,600.00	3,851.84	23.37	22.05	165.53	-1,972.10	-7,463.07	8,628.88	8,586.63	42.25	204.246		
4,700.00	4,596.00	3,961.17	3,934.88	23.89	18.89	165.62	-1,964.76	-7,471.00	8,657.75	8,618.08	39.67	218.253		
4,800.00	4,693.44	4,002.00	3,975.35	24.41	19.09	165.67	-1,961.10	-7,475.08	8,687.11	8,646.83	40.28	215.662		
4,900.00	4,790.88	4,066.81	4,039.52	24.93	19.42	165.74	-1,955.18	-7,481.89	8,716.93	8,675.90	41.03	212.476		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Harvesters Resources #15M-303(PR) - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 146-MWD													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,000.00	4,888.33	4,196.90	4,168.24	25.46	20.09	165.90	-1,942.65	-7,495.98	8,747.01	8,704.87	42.13	207.597				
5,100.00	4,985.77	4,270.20	4,240.83	25.98	20.46	165.98	-1,935.97	-7,503.67	8,776.84	8,733.91	42.93	204.469				
5,200.00	5,083.21	4,369.19	4,338.98	26.50	20.96	166.08	-1,928.16	-7,513.89	8,806.79	8,762.94	43.85	200.825				
5,300.00	5,180.66	4,458.15	4,427.26	27.02	21.40	166.17	-1,921.84	-7,522.89	8,836.73	8,792.01	44.72	197.595				
5,400.00	5,278.10	4,628.86	4,597.01	27.55	22.22	166.32	-1,912.79	-7,538.35	8,865.87	8,819.85	46.02	192.669				
5,500.00	5,375.54	5,237.80	5,204.74	28.07	24.89	166.65	-1,901.53	-7,571.00	8,893.26	8,843.85	49.41	179.984				
5,582.90	5,456.32	5,310.81	5,277.74	28.50	25.19	166.68	-1,901.00	-7,572.50	8,912.91	8,862.81	50.10	177.911				
5,600.00	5,473.00	5,326.07	5,293.00	28.59	25.25	166.71	-1,900.92	-7,572.82	8,916.92	8,866.68	50.24	177.487				
5,700.00	5,570.93	5,430.92	5,397.83	29.10	25.68	166.84	-1,900.38	-7,574.94	8,938.43	8,887.29	51.14	174.789				
5,800.00	5,669.52	5,547.70	5,514.59	29.57	26.15	166.96	-1,900.32	-7,576.95	8,956.39	8,904.31	52.08	171.977				
5,900.00	5,768.62	5,634.70	5,601.57	30.03	26.50	167.04	-1,900.59	-7,578.41	8,971.04	8,918.16	52.87	169.680				
6,000.00	5,868.13	5,733.42	5,700.28	30.45	26.90	167.11	-1,900.47	-7,580.21	8,982.37	8,928.67	53.71	167.245				
6,100.00	5,967.93	5,841.23	5,808.07	30.86	27.34	167.16	-1,900.34	-7,582.13	8,990.28	8,935.70	54.58	164.722				
6,200.00	6,067.88	5,937.16	5,903.99	31.24	27.74	167.19	-1,900.11	-7,583.79	8,994.72	8,939.34	55.38	162.412				
6,232.12	6,100.00	5,962.31	5,929.14	31.36	27.84	-102.10	-1,900.08	-7,584.25	8,995.45	8,939.85	55.61	161.767				
6,300.00	6,167.88	6,024.48	5,991.29	31.61	28.10	-102.10	-1,900.12	-7,585.42	8,996.71	8,940.59	56.12	160.317				
6,400.00	6,267.88	6,210.53	6,177.32	31.97	28.85	-102.10	-1,900.84	-7,587.95	8,998.15	8,940.85	57.31	157.020				
6,500.00	6,367.88	6,285.43	6,252.21	32.34	29.14	-102.10	-1,901.24	-7,588.66	8,999.20	8,941.22	57.98	155.214				
6,600.00	6,467.88	6,404.69	6,371.47	32.70	29.62	-102.10	-1,902.12	-7,589.73	9,000.21	8,941.36	58.86	152.920				
6,700.00	6,567.88	6,459.77	6,426.51	33.07	29.82	-102.12	-1,903.96	-7,589.96	9,001.37	8,941.94	59.43	151.464				
6,736.50	6,604.38	6,473.00	6,439.71	33.21	29.87	-102.12	-1,904.81	-7,589.99	9,001.95	8,942.34	59.61	151.022				
6,750.00	6,617.88	6,473.00	6,439.71	33.25	29.87	-15.02	-1,904.81	-7,589.99	9,002.06	8,942.41	59.65	150.916				
6,800.00	6,667.77	6,505.00	6,471.57	33.43	29.99	-15.09	-1,907.77	-7,589.99	9,000.12	8,940.19	59.93	150.184				
6,850.00	6,717.28	6,516.20	6,482.69	33.60	30.03	-15.23	-1,909.12	-7,589.97	8,994.57	8,934.46	60.10	149.652				
6,900.00	6,766.09	6,537.00	6,503.28	33.79	30.10	-15.48	-1,912.05	-7,589.92	8,985.47	8,925.17	60.30	149.002				
6,950.00	6,813.90	6,537.00	6,503.28	33.99	30.10	-15.80	-1,912.05	-7,589.92	8,972.87	8,912.47	60.41	148.543				
7,000.00	6,860.42	6,553.22	6,519.28	34.20	30.15	-16.25	-1,914.73	-7,589.89	8,956.84	8,896.29	60.56	147.906				
7,050.00	6,905.36	6,569.00	6,534.79	34.42	30.20	-16.82	-1,917.67	-7,589.89	8,937.50	8,876.81	60.69	147.253				
7,100.00	6,948.45	6,569.00	6,534.79	34.67	30.20	-17.49	-1,917.67	-7,589.89	8,914.92	8,854.16	60.76	146.735				
7,150.00	6,989.41	6,569.00	6,534.79	34.94	30.20	-18.32	-1,917.67	-7,589.89	8,889.27	8,828.47	60.80	146.197				
7,200.00	7,028.00	6,586.52	6,551.92	35.24	30.26	-19.39	-1,921.30	-7,589.93	8,860.60	8,799.69	60.91	145.467				
7,250.00	7,063.98	6,600.00	6,565.05	35.56	30.30	-20.69	-1,924.37	-7,590.00	8,829.17	8,768.17	61.00	144.751				
7,300.00	7,097.13	6,600.00	6,565.05	35.92	30.30	-22.22	-1,924.37	-7,590.00	8,795.07	8,734.05	61.02	144.136				
7,350.00	7,127.23	6,600.00	6,565.05	36.32	30.30	-24.12	-1,924.37	-7,590.00	8,758.55	8,697.51	61.04	143.493				
7,400.00	7,154.12	6,600.00	6,565.05	36.75	30.30	-26.48	-1,924.37	-7,590.00	8,719.80	8,658.74	61.06	142.818				
7,450.00	7,177.61	6,600.00	6,565.05	37.22	30.30	-29.45	-1,924.37	-7,590.00	8,679.02	8,617.95	61.07	142.111				
7,500.00	7,197.57	6,615.74	6,580.30	37.73	30.35	-33.41	-1,928.26	-7,590.14	8,636.37	8,575.21	61.16	141.220				
7,550.00	7,213.88	6,618.42	6,582.89	38.28	30.36	-38.41	-1,928.95	-7,590.17	8,592.20	8,531.01	61.19	140.417				
7,600.00	7,226.42	6,632.00	6,595.97	38.87	30.40	-45.15	-1,932.59	-7,590.35	8,546.78	8,485.50	61.28	139.476				
7,650.00	7,235.13	6,632.00	6,595.97	39.48	30.40	-53.83	-1,932.59	-7,590.35	8,500.26	8,438.94	61.32	138.626				
7,700.00	7,239.95	6,632.00	6,595.97	40.12	30.40	-65.09	-1,932.59	-7,590.35	8,452.98	8,391.61	61.37	137.741				
7,735.44	7,241.00	6,632.00	6,595.97	40.59	30.40	-74.64	-1,932.59	-7,590.35	8,419.16	8,357.75	61.41	137.092				
7,800.00	7,241.11	6,632.00	6,595.97	41.47	30.40	-74.64	-1,932.59	-7,590.35	8,357.41	8,295.91	61.50	135.891				
7,900.00	7,241.27	6,632.00	6,595.97	42.96	30.40	-74.64	-1,932.59	-7,590.35	8,261.85	8,200.19	61.66	133.989				
8,000.00	7,241.44	6,632.00	6,595.97	44.59	30.40	-74.64	-1,932.59	-7,590.35	8,166.40	8,104.55	61.85	132.036				
8,100.00	7,241.61	6,632.00	6,595.97	46.34	30.40	-74.64	-1,932.59	-7,590.35	8,071.06	8,008.99	62.07	130.032				
8,200.00	7,241.77	6,632.00	6,595.97	48.20	30.40	-74.64	-1,932.59	-7,590.35	7,975.83	7,913.51	62.32	127.978				
8,300.00	7,241.94	6,632.00	6,595.97	50.16	30.40	-74.64	-1,932.59	-7,590.35	7,880.72	7,818.11	62.61	125.873				
8,400.00	7,242.11	6,632.00	6,595.97	52.20	30.40	-74.64	-1,932.59	-7,590.35	7,785.73	7,722.80	62.93	123.721				
8,500.00	7,242.27	6,632.00	6,595.97	54.31	30.40	-74.64	-1,932.59	-7,590.35	7,690.87	7,627.58	63.29	121.522				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	6,632.00	6,595.97	56.49	30.40	-74.64	-1,932.59	-7,590.35	7,596.14	7,532.45	63.68	119.279		
8,700.00	7,242.60	6,632.00	6,595.97	58.73	30.40	-74.64	-1,932.59	-7,590.35	7,501.55	7,437.43	64.12	116.993		
8,800.00	7,242.77	6,632.00	6,595.97	61.03	30.40	-74.64	-1,932.59	-7,590.35	7,407.10	7,342.50	64.60	114.668		
8,900.00	7,242.94	6,632.00	6,595.97	63.37	30.40	-74.64	-1,932.59	-7,590.35	7,312.79	7,247.68	65.11	112.306		
9,000.00	7,243.10	6,632.00	6,595.97	65.75	30.40	-74.64	-1,932.59	-7,590.35	7,218.64	7,152.97	65.68	109.912		
9,100.00	7,243.27	6,632.00	6,595.97	68.18	30.40	-74.64	-1,932.59	-7,590.35	7,124.65	7,058.37	66.28	107.487		
9,200.00	7,243.44	6,632.00	6,595.97	70.63	30.40	-74.64	-1,932.59	-7,590.35	7,030.83	6,963.89	66.94	105.036		
9,300.00	7,243.60	6,632.00	6,595.97	73.12	30.40	-74.64	-1,932.59	-7,590.35	6,937.18	6,869.54	67.64	102.563		
9,400.00	7,243.77	6,632.00	6,595.97	75.63	30.40	-74.64	-1,932.59	-7,590.35	6,843.71	6,775.32	68.39	100.071		
9,500.00	7,243.94	6,632.00	6,595.97	78.17	30.40	-74.64	-1,932.59	-7,590.35	6,750.42	6,681.23	69.19	97.566		
9,600.00	7,244.10	6,632.00	6,595.97	80.73	30.40	-74.64	-1,932.59	-7,590.35	6,657.33	6,587.29	70.04	95.050		
9,700.00	7,244.27	6,632.00	6,595.97	83.31	30.40	-74.64	-1,932.59	-7,590.35	6,564.45	6,493.50	70.94	92.529		
9,800.00	7,244.44	6,632.00	6,595.97	85.91	30.40	-74.64	-1,932.59	-7,590.35	6,471.77	6,399.87	71.90	90.006		
9,900.00	7,244.60	6,632.00	6,595.97	88.53	30.40	-74.64	-1,932.59	-7,590.35	6,379.32	6,306.40	72.92	87.486		
10,000.00	7,244.77	6,632.00	6,595.97	91.16	30.40	-74.64	-1,932.59	-7,590.35	6,287.10	6,213.11	73.99	84.972		
10,100.00	7,244.94	6,632.00	6,595.97	93.81	30.40	-74.64	-1,932.59	-7,590.35	6,195.12	6,120.00	75.12	82.470		
10,200.00	7,245.10	6,632.00	6,595.97	96.46	30.40	-74.64	-1,932.59	-7,590.35	6,103.39	6,027.08	76.31	79.981		
10,300.00	7,245.27	6,632.00	6,595.97	99.14	30.40	-74.64	-1,932.59	-7,590.35	6,011.92	5,934.36	77.56	77.511		
10,400.00	7,245.43	6,632.00	6,595.97	101.82	30.40	-74.64	-1,932.59	-7,590.35	5,920.73	5,841.86	78.88	75.063		
10,500.00	7,245.60	6,632.00	6,595.97	104.51	30.40	-74.64	-1,932.59	-7,590.35	5,829.83	5,749.58	80.26	72.640		
10,600.00	7,245.77	6,632.00	6,595.97	107.21	30.40	-74.64	-1,932.59	-7,590.35	5,739.24	5,657.53	81.70	70.245		
10,700.00	7,245.93	6,632.00	6,595.97	109.92	30.40	-74.64	-1,932.59	-7,590.35	5,648.96	5,565.74	83.22	67.881		
10,800.00	7,246.10	6,632.00	6,595.97	112.64	30.40	-74.64	-1,932.59	-7,590.35	5,559.01	5,474.21	84.80	65.552		
10,900.00	7,246.27	6,632.00	6,595.97	115.37	30.40	-74.64	-1,932.59	-7,590.35	5,469.41	5,382.95	86.46	63.259		
11,000.00	7,246.43	6,632.00	6,595.97	118.10	30.40	-74.64	-1,932.59	-7,590.35	5,380.18	5,291.99	88.19	61.004		
11,100.00	7,246.60	6,632.00	6,595.97	120.84	30.40	-74.64	-1,932.59	-7,590.35	5,291.34	5,201.33	90.00	58.791		
11,200.00	7,246.77	6,632.00	6,595.97	123.58	30.40	-74.64	-1,932.59	-7,590.35	5,202.89	5,111.00	91.89	56.621		
11,300.00	7,246.93	6,632.00	6,595.97	126.34	30.40	-74.64	-1,932.59	-7,590.35	5,114.88	5,021.02	93.86	54.495		
11,340.34	7,247.00	6,632.00	6,595.97	127.45	30.40	-74.64	-1,932.59	-7,590.35	5,079.50	4,984.82	94.68	53.650		
11,400.00	7,247.10	6,632.00	6,595.97	129.09	30.40	-74.04	-1,932.59	-7,590.35	5,027.02	4,931.14	95.89	52.426		
11,500.00	7,247.27	6,632.00	6,595.97	131.84	30.40	-72.93	-1,932.59	-7,590.35	4,938.16	4,840.30	97.87	50.457		
11,586.15	7,247.43	6,632.00	6,595.97	134.20	30.40	-71.85	-1,932.59	-7,590.35	4,860.74	4,761.22	99.52	48.841		
11,600.00	7,247.45	6,632.00	6,595.97	134.57	30.40	-71.85	-1,932.59	-7,590.35	4,848.23	4,748.45	99.78	48.587		
11,700.00	7,247.64	6,632.00	6,595.97	137.31	30.40	-71.85	-1,932.59	-7,590.35	4,758.15	4,656.43	101.72	46.777		
11,800.00	7,247.82	6,632.00	6,595.97	140.05	30.40	-71.85	-1,932.59	-7,590.35	4,668.47	4,564.74	103.74	45.003		
11,900.00	7,248.00	6,632.00	6,595.97	142.79	30.40	-71.85	-1,932.59	-7,590.35	4,579.22	4,473.38	105.84	43.265		
12,000.00	7,248.18	6,632.00	6,595.97	145.53	30.40	-71.85	-1,932.59	-7,590.35	4,490.42	4,382.39	108.03	41.565		
12,100.00	7,248.37	6,632.00	6,595.97	148.28	30.40	-71.85	-1,932.59	-7,590.35	4,402.11	4,291.79	110.32	39.903		
12,200.00	7,248.55	6,632.00	6,595.97	151.04	30.40	-71.85	-1,932.59	-7,590.35	4,314.30	4,201.60	112.70	38.281		
12,300.00	7,248.73	6,632.00	6,595.97	153.80	30.40	-71.85	-1,932.59	-7,590.35	4,227.04	4,111.85	115.19	36.697		
12,400.00	7,248.91	6,632.00	6,595.97	156.56	30.40	-71.85	-1,932.59	-7,590.35	4,140.35	4,022.57	117.78	35.154		
12,500.00	7,249.10	6,632.00	6,595.97	159.32	30.40	-71.85	-1,932.59	-7,590.35	4,054.27	3,933.79	120.48	33.652		
12,600.00	7,249.28	6,632.00	6,595.97	162.09	30.40	-71.85	-1,932.59	-7,590.35	3,968.85	3,845.56	123.29	32.191		
12,700.00	7,249.46	6,632.00	6,595.97	164.86	30.40	-71.85	-1,932.59	-7,590.35	3,884.12	3,757.90	126.23	30.771		
12,800.00	7,249.64	6,632.00	6,595.97	167.63	30.40	-71.85	-1,932.59	-7,590.35	3,800.14	3,670.85	129.28	29.394		
12,900.00	7,249.83	6,632.00	6,595.97	170.40	30.40	-71.85	-1,932.59	-7,590.35	3,716.94	3,584.47	132.47	28.059		
13,000.00	7,250.01	6,632.00	6,595.97	173.18	30.40	-71.85	-1,932.59	-7,590.35	3,634.60	3,498.81	135.79	26.766		
13,100.00	7,250.19	6,632.00	6,595.97	175.96	30.40	-71.85	-1,932.59	-7,590.35	3,553.16	3,413.91	139.25	25.517		
13,200.00	7,250.37	6,632.00	6,595.97	178.74	30.40	-71.85	-1,932.59	-7,590.35	3,472.69	3,329.84	142.85	24.310		
13,300.00	7,250.56	6,632.00	6,595.97	181.52	30.40	-71.85	-1,932.59	-7,590.35	3,393.26	3,246.66	146.60	23.147		
13,400.00	7,250.74	6,632.00	6,595.97	184.31	30.40	-71.85	-1,932.59	-7,590.35	3,314.95	3,164.45	150.50	22.026		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Survey Program: 146-MWD														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,500.00	7,250.92	6,632.00	6,595.97	187.09	30.40	-71.85	-1,932.59	-7,590.35	3,237.82	3,083.27	154.55	20.950			
13,600.00	7,251.10	6,632.00	6,595.97	189.88	30.40	-71.85	-1,932.59	-7,590.35	3,161.99	3,003.22	158.76	19.916			
13,700.00	7,251.29	6,632.00	6,595.97	192.67	30.40	-71.85	-1,932.59	-7,590.35	3,087.52	2,924.39	163.13	18.926			
13,800.00	7,251.47	6,632.00	6,595.97	195.47	30.40	-71.85	-1,932.59	-7,590.35	3,014.54	2,846.87	167.66	17.980			
13,900.00	7,251.65	6,632.00	6,595.97	198.26	30.40	-71.85	-1,932.59	-7,590.35	2,943.14	2,770.79	172.35	17.076			
14,000.00	7,251.83	6,632.00	6,595.97	201.05	30.40	-71.85	-1,932.59	-7,590.35	2,873.45	2,696.25	177.20	16.216			
14,100.00	7,252.01	6,632.00	6,595.97	203.85	30.40	-71.85	-1,932.59	-7,590.35	2,805.59	2,623.40	182.19	15.399			
14,200.00	7,252.20	6,632.00	6,595.97	206.65	30.40	-71.85	-1,932.59	-7,590.35	2,739.71	2,552.37	187.33	14.625			
14,300.00	7,252.38	6,632.00	6,595.97	209.45	30.40	-71.85	-1,932.59	-7,590.35	2,675.94	2,483.33	192.61	13.893			
14,400.00	7,252.56	6,632.00	6,595.97	212.25	30.40	-71.85	-1,932.59	-7,590.35	2,614.44	2,416.43	198.01	13.204			
14,500.00	7,252.74	6,632.00	6,595.97	215.05	30.40	-71.85	-1,932.59	-7,590.35	2,555.37	2,351.86	203.51	12.556			
14,600.00	7,252.93	6,632.00	6,595.97	217.86	30.40	-71.85	-1,932.59	-7,590.35	2,498.91	2,289.81	209.10	11.951			
14,700.00	7,253.11	6,632.00	6,595.97	220.66	30.40	-71.85	-1,932.59	-7,590.35	2,445.24	2,230.50	214.74	11.387			
14,800.00	7,253.29	6,643.34	6,606.84	223.47	30.43	-72.17	-1,935.82	-7,590.53	2,394.43	2,173.67	220.76	10.846			
14,900.00	7,253.47	6,644.05	6,607.51	226.27	30.43	-72.19	-1,936.02	-7,590.54	2,346.89	2,120.44	226.45	10.364			
15,000.00	7,253.66	6,644.76	6,608.20	229.08	30.44	-72.20	-1,936.23	-7,590.55	2,302.71	2,070.61	232.09	9.921			
15,100.00	7,253.84	6,645.48	6,608.88	231.89	30.44	-72.22	-1,936.44	-7,590.56	2,262.09	2,024.45	237.64	9.519			
15,200.00	7,254.02	6,646.20	6,609.58	234.70	30.44	-72.24	-1,936.66	-7,590.58	2,225.22	1,982.18	243.04	9.156			
15,300.00	7,254.20	6,646.93	6,610.27	237.51	30.44	-72.26	-1,936.87	-7,590.59	2,192.29	1,944.06	248.24	8.832			
15,400.00	7,254.39	6,647.67	6,610.98	240.32	30.45	-72.28	-1,937.09	-7,590.60	2,163.49	1,910.32	253.17	8.545			
15,500.00	7,254.57	6,648.41	6,611.68	243.13	30.45	-72.30	-1,937.31	-7,590.61	2,138.99	1,881.19	257.80	8.297			
15,600.00	7,254.75	6,649.16	6,612.40	245.94	30.45	-72.33	-1,937.54	-7,590.63	2,118.92	1,856.86	262.06	8.086			
15,700.00	7,254.93	6,649.91	6,613.11	248.76	30.45	-72.35	-1,937.76	-7,590.64	2,103.41	1,837.52	265.89	7.911			
15,800.00	7,255.12	6,650.67	6,613.84	251.57	30.45	-72.37	-1,937.99	-7,590.65	2,092.58	1,823.32	269.26	7.772			
15,900.00	7,255.30	6,651.43	6,614.57	254.39	30.46	-72.39	-1,938.22	-7,590.66	2,086.49	1,814.36	272.13	7.667			
15,977.36	7,255.44	6,652.03	6,615.13	256.57	30.46	-72.40	-1,938.40	-7,590.67	2,085.05	1,811.07	273.98	7.610 CC			
16,000.00	7,255.48	6,652.20	6,615.30	257.20	30.46	-72.41	-1,938.45	-7,590.68	2,085.17	1,810.71	274.46	7.597 ES			
16,100.00	7,255.66	6,652.98	6,616.04	260.02	30.46	-72.43	-1,938.69	-7,590.69	2,088.65	1,812.41	276.24	7.561			
16,200.00	7,255.85	6,664.00	6,626.51	262.84	30.49	-72.73	-1,942.12	-7,590.89	2,097.00	1,819.09	277.90	7.546 SF			
16,300.00	7,256.03	6,664.00	6,626.51	265.65	30.49	-72.73	-1,942.12	-7,590.89	2,109.94	1,831.39	278.55	7.575			
16,400.00	7,256.21	6,664.00	6,626.51	268.47	30.49	-72.73	-1,942.12	-7,590.89	2,127.51	1,848.85	278.66	7.635			
16,500.00	7,256.39	6,664.00	6,626.51	271.29	30.49	-72.73	-1,942.12	-7,590.89	2,149.59	1,871.34	278.26	7.725			
16,600.00	7,256.58	6,664.00	6,626.51	274.11	30.49	-72.73	-1,942.12	-7,590.89	2,176.05	1,898.68	277.38	7.845			
16,700.00	7,256.76	6,664.00	6,626.51	276.93	30.49	-72.73	-1,942.12	-7,590.89	2,206.73	1,930.67	276.06	7.994			
16,800.00	7,256.94	6,664.00	6,626.51	279.75	30.49	-72.73	-1,942.12	-7,590.89	2,241.46	1,967.10	274.35	8.170			
16,900.00	7,257.12	6,664.00	6,626.51	282.57	30.49	-72.73	-1,942.12	-7,590.89	2,280.04	2,007.74	272.30	8.373			
17,000.00	7,257.30	6,664.00	6,626.51	285.40	30.49	-72.73	-1,942.12	-7,590.89	2,322.29	2,052.34	269.95	8.603			
17,100.00	7,257.49	6,664.00	6,626.51	288.22	30.49	-72.73	-1,942.12	-7,590.89	2,368.01	2,100.67	267.35	8.858			
17,200.00	7,257.67	6,664.00	6,626.51	291.04	30.49	-72.73	-1,942.12	-7,590.89	2,417.01	2,152.48	264.53	9.137			
17,300.00	7,257.85	6,664.00	6,626.51	293.87	30.49	-72.73	-1,942.12	-7,590.89	2,469.09	2,207.53	261.56	9.440			
17,400.00	7,258.03	6,664.00	6,626.51	296.69	30.49	-72.73	-1,942.12	-7,590.89	2,524.05	2,265.60	258.45	9.766			
17,500.00	7,258.22	6,664.00	6,626.51	299.51	30.49	-72.73	-1,942.12	-7,590.89	2,581.73	2,326.47	255.25	10.114			
17,600.00	7,258.40	6,664.00	6,626.51	302.34	30.49	-72.73	-1,942.12	-7,590.89	2,641.92	2,389.93	251.99	10.484			
17,700.00	7,258.58	6,664.00	6,626.51	305.16	30.49	-72.73	-1,942.12	-7,590.89	2,704.48	2,455.78	248.70	10.875			
17,800.00	7,258.76	6,664.00	6,626.51	307.99	30.49	-72.73	-1,942.12	-7,590.89	2,769.24	2,523.85	245.39	11.285			
17,900.00	7,258.95	6,664.00	6,626.51	310.82	30.49	-72.73	-1,942.12	-7,590.89	2,836.04	2,593.95	242.09	11.715			
18,000.00	7,259.13	6,664.00	6,626.51	313.64	30.49	-72.73	-1,942.12	-7,590.89	2,904.75	2,665.94	238.81	12.164			
18,100.00	7,259.31	6,664.00	6,626.51	316.47	30.49	-72.73	-1,942.12	-7,590.89	2,975.24	2,739.67	235.57	12.630			
18,200.00	7,259.49	6,664.00	6,626.51	319.30	30.49	-72.73	-1,942.12	-7,590.89	3,047.37	2,815.00	232.37	13.114			
18,300.00	7,259.68	6,664.00	6,626.51	322.12	30.49	-72.73	-1,942.12	-7,590.89	3,121.05	2,891.81	229.24	13.615			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Harvesters Resources #15M-303(PR) - OH - OH											Offset Site Error:		0.00 ft
Survey Program: 146-MWD											Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	Offset Wellbore Centre +E/-W	Between Centres	Between Ellipses	Minimum Separation		Separation Factor
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
18,400.00	7,259.86	6,664.00	6,626.51	324.95	30.49	-72.73	-1,942.12	-7,590.89	3,196.15	2,969.99	226.16	14.132	
18,500.00	7,260.04	6,664.00	6,626.51	327.78	30.49	-72.73	-1,942.12	-7,590.89	3,272.59	3,049.43	223.16	14.665	
18,600.00	7,260.22	6,664.00	6,626.51	330.61	30.49	-72.73	-1,942.12	-7,590.89	3,350.27	3,130.04	220.23	15.212	
18,700.00	7,260.41	6,664.00	6,626.51	333.44	30.49	-72.73	-1,942.12	-7,590.89	3,429.11	3,211.73	217.38	15.775	
18,800.00	7,260.59	6,664.00	6,626.51	336.27	30.49	-72.73	-1,942.12	-7,590.89	3,509.02	3,294.42	214.60	16.351	
18,900.00	7,260.77	6,675.50	6,637.38	339.10	30.53	-73.05	-1,945.87	-7,591.10	3,589.87	3,377.59	212.27	16.912	
19,000.00	7,260.95	6,676.29	6,638.13	341.93	30.53	-73.07	-1,946.14	-7,591.11	3,671.72	3,462.05	209.67	17.512	
19,025.91	7,261.00	6,676.50	6,638.32	342.66	30.53	-73.08	-1,946.21	-7,591.12	3,693.08	3,484.06	209.01	17.669	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design		Falken 9-11 PAD - Harvesters Resources #15M-423(PR) - OH - OH											Offset Site Error:		0.00 ft
Survey Program:		146-MWD											Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
0.00	0.00	0.00	0.00	3.28	3.28	-106.95	-2,167.32	-7,112.41	7,435.30						
100.00	100.00	112.79	112.79	3.28	3.29	-106.95	-2,167.51	-7,112.17	7,435.16	7,428.58	6.57	1,130.980			
200.00	200.00	203.54	203.54	3.34	3.33	-106.95	-2,167.99	-7,111.73	7,434.85	7,428.19	6.67	1,115.224			
205.03	205.03	207.48	207.48	3.34	3.33	162.34	-2,168.02	-7,111.71	7,434.85	7,428.17	6.67	1,114.040			
300.00	299.98	262.48	262.48	3.44	3.38	162.32	-2,168.53	-7,111.56	7,436.55	7,429.73	6.83	1,089.415			
400.00	399.84	306.14	306.13	3.60	3.43	162.29	-2,168.91	-7,111.79	7,442.29	7,435.25	7.04	1,057.757			
500.00	499.45	451.61	451.59	3.81	3.67	162.26	-2,170.35	-7,112.92	7,451.72	7,444.25	7.47	996.930			
600.00	598.70	580.50	580.47	4.05	3.96	162.21	-2,172.13	-7,112.70	7,463.55	7,455.54	8.01	932.159			
700.00	697.47	711.60	711.55	4.34	4.30	162.15	-2,173.62	-7,112.14	7,478.39	7,469.76	8.64	865.822			
800.00	795.62	793.94	793.88	4.66	4.55	162.07	-2,174.84	-7,111.64	7,496.42	7,487.22	9.19	815.305			
849.22	843.68	853.34	853.28	4.84	4.73	162.03	-2,175.76	-7,111.25	7,506.48	7,496.93	9.55	786.260			
900.00	893.16	935.23	935.16	5.02	5.00	162.06	-2,176.89	-7,110.54	7,517.16	7,507.17	9.99	752.763			
1,000.00	990.60	1,041.22	1,041.13	5.41	5.35	162.11	-2,178.06	-7,109.23	7,537.74	7,527.05	10.70	704.659			
1,100.00	1,088.05	1,124.28	1,124.19	5.83	5.64	162.15	-2,178.43	-7,108.51	7,558.48	7,547.13	11.36	665.524			
1,200.00	1,185.49	1,223.32	1,223.23	6.26	6.00	162.20	-2,178.74	-7,107.82	7,579.36	7,567.26	12.10	626.487			
1,300.00	1,282.93	1,308.80	1,308.70	6.70	6.31	162.24	-2,179.05	-7,107.19	7,600.22	7,587.41	12.81	593.273			
1,400.00	1,380.37	1,414.59	1,414.49	7.15	6.71	162.29	-2,179.43	-7,106.59	7,621.25	7,607.64	13.62	559.705			
1,500.00	1,477.82	1,519.45	1,519.35	7.62	7.11	162.34	-2,179.42	-7,105.87	7,642.06	7,627.63	14.43	529.549			
1,600.00	1,575.26	1,630.36	1,630.26	8.09	7.53	162.40	-2,179.39	-7,105.02	7,662.79	7,647.51	15.28	501.385			
1,700.00	1,672.70	1,706.18	1,706.07	8.57	7.83	162.44	-2,179.38	-7,104.46	7,683.56	7,667.56	16.01	480.020			
1,800.00	1,770.15	1,808.32	1,808.20	9.05	8.23	162.49	-2,179.62	-7,103.80	7,704.50	7,687.66	16.85	457.291			
1,900.00	1,867.59	1,866.96	1,866.85	9.54	8.46	162.51	-2,179.85	-7,103.47	7,725.58	7,708.07	17.51	441.222			
2,000.00	1,965.03	1,917.00	1,916.89	10.03	8.66	162.54	-2,179.71	-7,103.59	7,747.23	7,729.10	18.14	427.149			
2,100.00	2,062.48	1,977.25	1,977.13	10.53	8.88	162.58	-2,179.12	-7,104.22	7,769.43	7,750.63	18.80	413.275			
2,200.00	2,159.92	2,043.67	2,043.53	11.03	9.13	162.62	-2,177.88	-7,105.42	7,792.08	7,772.59	19.49	399.799			
2,300.00	2,257.36	2,130.17	2,129.95	11.53	9.46	162.69	-2,175.05	-7,107.58	7,815.03	7,794.76	20.27	385.622			
2,400.00	2,354.81	2,280.40	2,279.88	12.03	10.05	162.84	-2,166.71	-7,111.87	7,837.74	7,816.43	21.31	367.731			
2,500.00	2,452.25	2,500.00	2,395.86	12.54	10.92	162.96	-2,158.53	-7,114.94	7,859.84	7,837.20	22.64	347.092			
2,600.00	2,549.69	2,461.38	2,460.31	13.04	10.77	163.03	-2,153.42	-7,116.88	7,882.11	7,859.17	22.94	343.615			
2,700.00	2,647.13	2,564.86	2,563.34	13.55	11.19	163.15	-2,144.53	-7,120.55	7,904.72	7,880.91	23.82	331.893			
2,800.00	2,744.58	2,668.70	2,666.63	14.06	11.62	163.28	-2,134.56	-7,124.28	7,927.13	7,902.42	24.70	320.872			
2,900.00	2,842.02	2,743.68	2,741.13	14.57	11.94	163.38	-2,126.64	-7,127.23	7,949.66	7,924.19	25.47	312.111			
3,000.00	2,939.46	2,815.47	2,812.38	15.09	12.24	163.48	-2,118.45	-7,130.46	7,972.52	7,946.29	26.23	304.001			
3,100.00	3,036.91	2,889.55	2,885.90	15.60	12.56	163.58	-2,110.03	-7,134.01	7,995.70	7,968.70	26.99	296.210			
3,200.00	3,134.35	2,963.00	2,958.83	16.11	12.88	163.67	-2,102.11	-7,137.56	8,019.12	7,991.36	27.76	288.869			
3,300.00	3,231.79	3,023.36	3,018.77	16.63	13.14	163.75	-2,095.79	-7,140.65	8,042.93	8,014.46	28.47	282.532			
3,400.00	3,329.24	3,089.50	3,084.44	17.14	13.43	163.84	-2,088.83	-7,144.41	8,067.24	8,038.04	29.20	276.253			
3,500.00	3,426.68	3,194.35	3,188.56	17.66	13.89	163.97	-2,078.05	-7,150.44	8,091.75	8,061.62	30.13	268.596			
3,600.00	3,524.12	3,370.32	3,363.48	18.18	14.67	164.19	-2,060.95	-7,159.10	8,115.61	8,084.21	31.40	258.462			
3,700.00	3,621.57	3,475.06	3,467.56	18.69	15.14	164.32	-2,050.24	-7,163.90	8,139.10	8,106.77	32.33	251.728			
3,800.00	3,719.01	3,579.53	3,571.36	19.21	15.62	164.45	-2,039.34	-7,168.46	8,162.37	8,129.10	33.27	245.346			
3,900.00	3,816.45	3,649.24	3,640.63	19.73	15.93	164.53	-2,032.10	-7,171.62	8,185.85	8,151.81	34.03	240.518			
4,000.00	3,913.90	3,707.13	3,698.13	20.25	16.20	164.61	-2,026.15	-7,174.47	8,209.75	8,175.01	34.74	236.318			
4,100.00	4,011.34	3,793.80	3,784.24	20.77	16.59	164.71	-2,017.39	-7,179.02	8,234.01	8,198.42	35.59	231.349			
4,200.00	4,108.78	3,860.29	3,850.30	21.29	16.90	164.79	-2,010.69	-7,182.57	8,258.44	8,222.09	36.34	227.244			
4,300.00	4,206.22	3,917.74	3,907.30	21.81	17.16	164.86	-2,004.44	-7,186.05	8,283.33	8,246.29	37.05	223.597			
4,400.00	4,303.67	3,999.73	3,988.60	22.33	17.55	164.97	-1,995.15	-7,191.34	8,308.55	8,270.67	37.88	219.339			
4,500.00	4,401.11	4,135.88	4,123.48	22.85	18.19	165.15	-1,978.94	-7,200.28	8,333.84	8,294.83	39.00	213.665			
4,600.00	4,498.55	4,272.16	4,258.59	23.37	18.84	165.33	-1,962.88	-7,207.97	8,358.17	8,318.04	40.13	208.270			
4,700.00	4,596.00	4,700.00	4,423.78	23.89	20.85	165.54	-1,944.76	-7,216.53	8,382.49	8,339.85	42.64	196.589			
4,800.00	4,693.44	4,593.60	4,577.81	24.41	20.35	165.72	-1,928.25	-7,222.75	8,405.66	8,363.02	42.64	197.153			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Harvesters Resources #15M-423(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 146-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
4,900.00	4,790.88	4,713.44	4,696.95	24.93	20.91	165.85	-1,916.09	-7,226.79	8,428.40	8,384.73	43.67	193.002					
5,000.00	4,888.33	4,794.12	4,777.30	25.46	21.28	165.94	-1,909.17	-7,229.35	8,451.35	8,406.85	44.50	189.930					
5,100.00	4,985.77	4,890.68	4,873.56	25.98	21.72	166.02	-1,902.15	-7,232.07	8,474.28	8,428.88	45.40	186.663					
5,200.00	5,083.21	4,957.00	4,939.74	26.50	22.01	166.08	-1,898.13	-7,233.93	8,497.47	8,451.33	46.14	184.154					
5,300.00	5,180.66	5,191.80	5,174.36	27.02	23.02	166.23	-1,890.17	-7,237.16	8,519.66	8,471.96	47.70	178.616					
5,400.00	5,278.10	5,258.06	5,240.61	27.55	23.30	166.26	-1,889.24	-7,237.46	8,541.65	8,493.22	48.43	176.379					
5,500.00	5,375.54	5,323.87	5,306.41	28.07	23.58	166.29	-1,888.57	-7,237.95	8,564.00	8,514.85	49.15	174.234					
5,582.90	5,456.32	5,371.65	5,354.18	28.50	23.77	166.31	-1,888.23	-7,238.45	8,582.83	8,533.11	49.72	172.628					
5,600.00	5,473.00	5,381.02	5,363.55	28.59	23.81	166.33	-1,888.18	-7,238.57	8,586.71	8,536.88	49.83	172.311					
5,700.00	5,570.93	5,433.00	5,415.53	29.10	24.03	166.45	-1,887.97	-7,239.36	8,607.72	8,557.24	50.48	170.522					
5,800.00	5,669.52	5,489.08	5,471.60	29.57	24.26	166.55	-1,887.87	-7,240.48	8,625.91	8,574.78	51.13	168.704					
5,900.00	5,768.62	5,715.34	5,697.80	30.03	25.17	166.65	-1,890.91	-7,243.47	8,640.61	8,588.04	52.56	164.381					
6,000.00	5,868.13	5,829.15	5,811.59	30.45	25.62	166.70	-1,893.14	-7,243.68	8,650.77	8,597.32	53.46	161.828					
6,100.00	5,967.93	5,924.73	5,907.16	30.86	26.00	166.73	-1,894.46	-7,243.92	8,657.51	8,603.25	54.26	159.567					
6,200.00	6,067.88	6,009.43	5,991.86	31.24	26.34	166.75	-1,895.29	-7,244.33	8,660.97	8,605.98	55.00	157.486					
6,232.12	6,100.00	6,039.70	6,022.12	31.36	26.46	-102.54	-1,895.55	-7,244.51	8,661.40	8,606.15	55.24	156.792					
6,300.00	6,167.88	6,103.68	6,086.09	31.61	26.72	-102.54	-1,896.08	-7,244.92	8,661.94	8,606.19	55.75	155.360					
6,400.00	6,267.88	6,193.66	6,176.07	31.97	27.09	-102.55	-1,896.88	-7,245.56	8,662.83	8,606.34	56.49	153.348					
6,500.00	6,367.88	6,282.84	6,265.25	32.34	27.45	-102.55	-1,897.67	-7,246.30	8,663.84	8,606.61	57.23	151.393					
6,600.00	6,467.88	6,361.45	6,343.85	32.70	27.77	-102.55	-1,898.10	-7,247.16	8,665.03	8,607.11	57.92	149.608					
6,700.00	6,567.88	6,445.00	6,427.39	33.07	28.12	-102.55	-1,898.22	-7,248.23	8,666.33	8,607.69	58.64	147.799					
6,736.50	6,604.38	6,462.46	6,444.85	33.21	28.19	-102.55	-1,898.35	-7,248.47	8,666.89	8,608.06	58.83	147.311					
6,750.00	6,617.88	6,466.25	6,448.64	33.25	28.21	-15.46	-1,898.41	-7,248.52	8,666.99	8,608.10	58.89	147.166					
6,800.00	6,667.77	6,477.00	6,459.39	33.43	28.25	-15.50	-1,898.63	-7,248.69	8,665.11	8,606.03	59.08	146.670					
6,850.00	6,717.28	6,490.90	6,473.28	33.60	28.31	-15.64	-1,899.08	-7,248.94	8,659.66	8,600.39	59.27	146.115					
6,900.00	6,766.09	6,509.00	6,491.35	33.79	28.38	-15.88	-1,900.00	-7,249.30	8,650.70	8,591.24	59.46	145.489					
6,950.00	6,813.90	6,509.00	6,491.35	33.99	28.38	-16.20	-1,900.00	-7,249.30	8,638.25	8,578.70	59.55	145.055					
7,000.00	6,860.42	6,509.00	6,491.35	34.20	28.38	-16.62	-1,900.00	-7,249.30	8,622.46	8,562.83	59.63	144.601					
7,050.00	6,905.36	6,541.00	6,523.23	34.42	28.51	-17.21	-1,902.58	-7,250.11	8,603.31	8,543.46	59.85	143.758					
7,100.00	6,948.45	6,541.00	6,523.23	34.67	28.51	-17.89	-1,902.58	-7,250.11	8,580.90	8,521.00	59.90	143.260					
7,150.00	6,989.41	6,541.00	6,523.23	34.94	28.51	-18.73	-1,902.58	-7,250.11	8,555.44	8,495.50	59.94	142.740					
7,200.00	7,028.00	6,552.80	6,534.95	35.24	28.55	-19.78	-1,903.84	-7,250.47	8,527.01	8,466.99	60.02	142.062					
7,250.00	7,063.98	6,560.22	6,542.32	35.56	28.58	-21.06	-1,904.72	-7,250.71	8,495.79	8,435.71	60.08	141.406					
7,300.00	7,097.13	6,572.00	6,554.00	35.92	28.62	-22.65	-1,906.25	-7,251.12	8,461.93	8,401.77	60.15	140.672					
7,350.00	7,127.23	6,572.00	6,554.00	36.32	28.62	-24.56	-1,906.25	-7,251.12	8,425.60	8,365.43	60.17	140.039					
7,400.00	7,154.12	6,572.00	6,554.00	36.75	28.62	-26.93	-1,906.25	-7,251.12	8,387.04	8,326.86	60.18	139.372					
7,450.00	7,177.61	6,586.49	6,568.32	37.22	28.68	-30.00	-1,908.34	-7,251.64	8,346.40	8,286.14	60.26	138.510					
7,500.00	7,197.57	6,591.64	6,573.41	37.73	28.69	-33.87	-1,909.15	-7,251.83	8,303.97	8,243.67	60.30	137.714					
7,550.00	7,213.88	6,604.00	6,585.59	38.28	28.74	-38.95	-1,911.20	-7,252.30	8,259.98	8,199.60	60.38	136.800					
7,600.00	7,226.42	6,604.00	6,585.59	38.87	28.74	-45.44	-1,911.20	-7,252.30	8,214.66	8,154.25	60.41	135.984					
7,650.00	7,235.13	6,604.00	6,585.59	39.48	28.74	-53.95	-1,911.20	-7,252.30	8,168.28	8,107.84	60.45	135.130					
7,700.00	7,239.95	6,604.00	6,585.59	40.12	28.74	-64.91	-1,911.20	-7,252.30	8,121.14	8,060.64	60.50	134.239					
7,735.44	7,241.00	6,604.00	6,585.59	40.59	28.74	-74.18	-1,911.20	-7,252.30	8,087.40	8,026.86	60.54	133.585					
7,800.00	7,241.11	6,604.00	6,585.59	41.47	28.74	-74.18	-1,911.20	-7,252.30	8,025.81	7,965.18	60.63	132.372					
7,900.00	7,241.27	6,604.00	6,585.59	42.96	28.74	-74.18	-1,911.20	-7,252.30	7,930.50	7,869.71	60.79	130.451					
8,000.00	7,241.44	6,604.00	6,585.59	44.59	28.74	-74.18	-1,911.20	-7,252.30	7,835.31	7,774.32	60.99	128.477					
8,100.00	7,241.61	6,604.00	6,585.59	46.34	28.74	-74.18	-1,911.20	-7,252.30	7,740.23	7,679.02	61.21	126.450					
8,200.00	7,241.77	6,604.00	6,585.59	48.20	28.74	-74.18	-1,911.20	-7,252.30	7,645.29	7,583.81	61.47	124.370					
8,300.00	7,241.94	6,604.00	6,585.59	50.16	28.74	-74.18	-1,911.20	-7,252.30	7,550.47	7,488.70	61.77	122.240					
8,400.00	7,242.11	6,604.00	6,585.59	52.20	28.74	-74.18	-1,911.20	-7,252.30	7,455.79	7,393.69	62.10	120.059					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,242.27	6,612.68	6,594.12	54.31	28.77	-74.38	-1,912.74	-7,252.64	7,361.23	7,298.71	62.52	117.741		
8,600.00	7,242.44	6,613.80	6,595.23	56.49	28.78	-74.41	-1,912.94	-7,252.68	7,266.83	7,203.89	62.94	115.456		
8,700.00	7,242.60	6,614.92	6,596.32	58.73	28.78	-74.44	-1,913.15	-7,252.72	7,172.59	7,109.18	63.40	113.129		
8,800.00	7,242.77	6,616.02	6,597.40	61.03	28.78	-74.46	-1,913.35	-7,252.76	7,078.50	7,014.59	63.91	110.762		
8,900.00	7,242.94	6,617.11	6,598.47	63.37	28.79	-74.49	-1,913.55	-7,252.80	6,984.57	6,920.11	64.46	108.359		
9,000.00	7,243.10	6,618.19	6,599.53	65.75	28.79	-74.51	-1,913.76	-7,252.85	6,890.81	6,825.76	65.06	105.922		
9,100.00	7,243.27	6,619.25	6,600.58	68.18	28.79	-74.54	-1,913.96	-7,252.89	6,797.23	6,731.53	65.70	103.457		
9,200.00	7,243.44	6,620.31	6,601.61	70.63	28.80	-74.56	-1,914.16	-7,252.92	6,703.84	6,637.45	66.40	100.967		
9,300.00	7,243.60	6,621.36	6,602.64	73.12	28.80	-74.59	-1,914.36	-7,252.96	6,610.64	6,543.50	67.14	98.457		
9,400.00	7,243.77	6,622.40	6,603.66	75.63	28.81	-74.61	-1,914.56	-7,253.00	6,517.64	6,449.70	67.94	95.930		
9,500.00	7,243.94	6,623.42	6,604.66	78.17	28.81	-74.64	-1,914.76	-7,253.04	6,424.85	6,356.06	68.79	93.392		
9,600.00	7,244.10	6,624.44	6,605.66	80.73	28.81	-74.66	-1,914.95	-7,253.08	6,332.28	6,262.58	69.70	90.846		
9,700.00	7,244.27	6,625.44	6,606.65	83.31	28.82	-74.68	-1,915.15	-7,253.12	6,239.94	6,169.27	70.67	88.298		
9,800.00	7,244.44	6,635.00	6,616.00	85.91	28.85	-74.91	-1,917.07	-7,253.46	6,147.85	6,076.10	71.76	85.678		
9,900.00	7,244.60	6,635.00	6,616.00	88.53	28.85	-74.91	-1,917.07	-7,253.46	6,056.00	5,983.16	72.83	83.148		
10,000.00	7,244.77	6,635.00	6,616.00	91.16	28.85	-74.91	-1,917.07	-7,253.46	5,964.40	5,890.43	73.97	80.628		
10,100.00	7,244.94	6,635.00	6,616.00	93.81	28.85	-74.91	-1,917.07	-7,253.46	5,873.08	5,797.91	75.18	78.123		
10,200.00	7,245.10	6,635.00	6,616.00	96.46	28.85	-74.91	-1,917.07	-7,253.46	5,782.05	5,705.61	76.45	75.636		
10,300.00	7,245.27	6,635.00	6,616.00	99.14	28.85	-74.91	-1,917.07	-7,253.46	5,691.32	5,613.54	77.78	73.171		
10,400.00	7,245.43	6,635.00	6,616.00	101.82	28.85	-74.91	-1,917.07	-7,253.46	5,600.90	5,521.72	79.18	70.733		
10,500.00	7,245.60	6,635.00	6,616.00	104.51	28.85	-74.91	-1,917.07	-7,253.46	5,510.82	5,430.16	80.66	68.324		
10,600.00	7,245.77	6,635.00	6,616.00	107.21	28.85	-74.91	-1,917.07	-7,253.46	5,421.08	5,338.88	82.20	65.947		
10,700.00	7,245.93	6,635.00	6,616.00	109.92	28.85	-74.91	-1,917.07	-7,253.46	5,331.71	5,247.89	83.82	63.606		
10,800.00	7,246.10	6,635.00	6,616.00	112.64	28.85	-74.91	-1,917.07	-7,253.46	5,242.72	5,157.20	85.52	61.303		
10,900.00	7,246.27	6,635.00	6,616.00	115.37	28.85	-74.91	-1,917.07	-7,253.46	5,154.14	5,066.84	87.30	59.042		
11,000.00	7,246.43	6,635.00	6,616.00	118.10	28.85	-74.91	-1,917.07	-7,253.46	5,065.98	4,976.83	89.15	56.823		
11,100.00	7,246.60	6,635.00	6,616.00	120.84	28.85	-74.91	-1,917.07	-7,253.46	4,978.27	4,887.17	91.09	54.649		
11,200.00	7,246.77	6,635.00	6,616.00	123.58	28.85	-74.91	-1,917.07	-7,253.46	4,891.03	4,797.91	93.12	52.523		
11,300.00	7,246.93	6,635.00	6,616.00	126.34	28.85	-74.91	-1,917.07	-7,253.46	4,804.28	4,709.05	95.24	50.445		
11,340.34	7,247.00	6,635.00	6,616.00	127.45	28.85	-74.91	-1,917.07	-7,253.46	4,769.44	4,673.32	96.12	49.621		
11,400.00	7,247.10	6,635.00	6,616.00	129.09	28.85	-74.36	-1,917.07	-7,253.46	4,717.76	4,620.34	97.42	48.427		
11,500.00	7,247.27	6,635.00	6,616.00	131.84	28.85	-73.34	-1,917.07	-7,253.46	4,630.24	4,530.68	99.56	46.506		
11,586.15	7,247.43	6,635.00	6,616.00	134.20	28.85	-72.36	-1,917.07	-7,253.46	4,553.96	4,452.60	101.36	44.929		
11,600.00	7,247.45	6,635.00	6,616.00	134.57	28.85	-72.36	-1,917.07	-7,253.46	4,541.63	4,439.99	101.65	44.681		
11,700.00	7,247.64	6,645.14	6,625.91	137.31	28.89	-72.64	-1,919.23	-7,253.83	4,452.89	4,349.01	103.87	42.869		
11,800.00	7,247.82	6,646.58	6,627.31	140.05	28.89	-72.68	-1,919.54	-7,253.88	4,364.65	4,258.56	106.09	41.139		
11,900.00	7,248.00	6,648.01	6,628.70	142.79	28.90	-72.72	-1,919.85	-7,253.93	4,276.93	4,168.52	108.41	39.450		
12,000.00	7,248.18	6,649.43	6,630.09	145.53	28.90	-72.76	-1,920.17	-7,253.98	4,189.76	4,078.92	110.84	37.801		
12,100.00	7,248.37	6,650.85	6,631.47	148.28	28.91	-72.80	-1,920.49	-7,254.02	4,103.17	3,989.81	113.36	36.195		
12,200.00	7,248.55	6,652.27	6,632.85	151.04	28.91	-72.84	-1,920.80	-7,254.07	4,017.21	3,901.21	116.00	34.631		
12,300.00	7,248.73	6,653.68	6,634.22	153.80	28.92	-72.88	-1,921.12	-7,254.12	3,931.91	3,813.15	118.75	33.110		
12,400.00	7,248.91	6,655.08	6,635.59	156.56	28.92	-72.92	-1,921.44	-7,254.17	3,847.31	3,725.69	121.62	31.633		
12,500.00	7,249.10	6,656.48	6,636.95	159.32	28.92	-72.95	-1,921.76	-7,254.22	3,763.47	3,638.85	124.62	30.201		
12,600.00	7,249.28	6,667.00	6,647.17	162.09	28.96	-73.24	-1,924.24	-7,254.57	3,680.46	3,552.59	127.88	28.782		
12,700.00	7,249.46	6,667.00	6,647.17	164.86	28.96	-73.24	-1,924.24	-7,254.57	3,598.28	3,467.16	131.12	27.444		
12,800.00	7,249.64	6,667.00	6,647.17	167.63	28.96	-73.24	-1,924.24	-7,254.57	3,517.02	3,382.52	134.49	26.150		
12,900.00	7,249.83	6,667.00	6,647.17	170.40	28.96	-73.24	-1,924.24	-7,254.57	3,436.74	3,298.73	138.01	24.902		
13,000.00	7,250.01	6,667.00	6,647.17	173.18	28.96	-73.24	-1,924.24	-7,254.57	3,357.53	3,215.85	141.67	23.699		
13,100.00	7,250.19	6,667.00	6,647.17	175.96	28.96	-73.24	-1,924.24	-7,254.57	3,279.45	3,133.96	145.49	22.541		
13,200.00	7,250.37	6,667.00	6,647.17	178.74	28.96	-73.24	-1,924.24	-7,254.57	3,202.59	3,053.13	149.46	21.428		
13,300.00	7,250.56	6,667.00	6,647.17	181.52	28.96	-73.24	-1,924.24	-7,254.57	3,127.04	2,973.46	153.58	20.361		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,400.00	7,250.74	6,667.00	6,647.17	184.31	28.96	-73.24	-1,924.24	-7,254.57	3,052.90	2,895.03	157.86	19.339		
13,500.00	7,250.92	6,667.00	6,647.17	187.09	28.96	-73.24	-1,924.24	-7,254.57	2,980.26	2,817.96	162.30	18.363		
13,600.00	7,251.10	6,667.00	6,647.17	189.88	28.96	-73.24	-1,924.24	-7,254.57	2,909.25	2,742.36	166.90	17.431		
13,700.00	7,251.29	6,667.00	6,647.17	192.67	28.96	-73.24	-1,924.24	-7,254.57	2,839.99	2,668.34	171.65	16.545		
13,800.00	7,251.47	6,667.00	6,647.17	195.47	28.96	-73.24	-1,924.24	-7,254.57	2,772.61	2,596.05	176.55	15.704		
13,900.00	7,251.65	6,667.00	6,647.17	198.26	28.96	-73.24	-1,924.24	-7,254.57	2,707.24	2,525.64	181.60	14.908		
14,000.00	7,251.83	6,667.00	6,647.17	201.05	28.96	-73.24	-1,924.24	-7,254.57	2,644.04	2,457.26	186.78	14.156		
14,100.00	7,252.01	6,677.86	6,657.68	203.85	29.00	-73.54	-1,926.93	-7,254.93	2,583.09	2,390.74	192.34	13.430		
14,200.00	7,252.20	6,679.15	6,658.93	206.65	29.00	-73.58	-1,927.26	-7,254.97	2,524.68	2,326.90	197.79	12.765		
14,300.00	7,252.38	6,680.44	6,660.18	209.45	29.01	-73.62	-1,927.59	-7,255.01	2,468.95	2,265.64	203.31	12.144		
14,400.00	7,252.56	6,681.73	6,661.42	212.25	29.01	-73.65	-1,927.92	-7,255.05	2,416.07	2,207.18	208.89	11.566		
14,500.00	7,252.74	6,683.02	6,662.67	215.05	29.02	-73.69	-1,928.25	-7,255.10	2,366.23	2,151.73	214.50	11.032		
14,600.00	7,252.93	6,684.31	6,663.91	217.86	29.02	-73.72	-1,928.58	-7,255.14	2,319.63	2,099.54	220.09	10.539		
14,700.00	7,253.11	6,685.59	6,665.15	220.66	29.02	-73.76	-1,928.92	-7,255.18	2,276.48	2,050.84	225.63	10.089		
14,800.00	7,253.29	6,686.88	6,666.39	223.47	29.03	-73.79	-1,929.26	-7,255.22	2,236.96	2,005.88	231.07	9.681		
14,900.00	7,253.47	6,698.00	6,677.09	226.27	29.07	-74.10	-1,932.25	-7,255.57	2,201.34	1,964.67	236.67	9.301		
15,000.00	7,253.66	6,698.00	6,677.09	229.08	29.07	-74.10	-1,932.25	-7,255.57	2,169.66	1,927.94	241.72	8.976		
15,100.00	7,253.84	6,698.00	6,677.09	231.89	29.07	-74.10	-1,932.25	-7,255.57	2,142.19	1,895.68	246.51	8.690		
15,200.00	7,254.02	6,698.00	6,677.09	234.70	29.07	-74.10	-1,932.25	-7,255.57	2,119.08	1,868.10	250.98	8.443		
15,300.00	7,254.20	6,698.00	6,677.09	237.51	29.07	-74.10	-1,932.25	-7,255.57	2,100.48	1,845.41	255.07	8.235		
15,400.00	7,254.39	6,698.00	6,677.09	240.32	29.07	-74.10	-1,932.25	-7,255.57	2,086.52	1,827.77	258.75	8.064		
15,500.00	7,254.57	6,698.00	6,677.09	243.13	29.07	-74.10	-1,932.25	-7,255.57	2,077.28	1,815.32	261.95	7.930		
15,600.00	7,254.75	6,698.00	6,677.09	245.94	29.07	-74.10	-1,932.25	-7,255.57	2,072.82	1,808.16	264.66	7.832		
15,642.36	7,254.83	6,698.00	6,677.09	247.14	29.07	-74.10	-1,932.25	-7,255.57	2,072.39	1,806.74	265.65	7.801 CC		
15,700.00	7,254.93	6,698.00	6,677.09	248.76	29.07	-74.10	-1,932.25	-7,255.57	2,073.19	1,806.35	266.84	7.769 ES		
15,800.00	7,255.12	6,698.00	6,677.09	251.57	29.07	-74.10	-1,932.25	-7,255.57	2,078.38	1,809.89	268.49	7.741 SF		
15,900.00	7,255.30	6,698.00	6,677.09	254.39	29.07	-74.10	-1,932.25	-7,255.57	2,088.34	1,818.76	269.58	7.747		
16,000.00	7,255.48	6,698.00	6,677.09	257.20	29.07	-74.10	-1,932.25	-7,255.57	2,103.02	1,832.88	270.15	7.785		
16,100.00	7,255.66	6,698.00	6,677.09	260.02	29.07	-74.10	-1,932.25	-7,255.57	2,122.32	1,852.13	270.19	7.855		
16,200.00	7,255.85	6,698.00	6,677.09	262.84	29.07	-74.10	-1,932.25	-7,255.57	2,146.10	1,876.36	269.75	7.956		
16,300.00	7,256.03	6,698.00	6,677.09	265.65	29.07	-74.10	-1,932.25	-7,255.57	2,174.23	1,905.39	268.84	8.087		
16,400.00	7,256.21	6,698.00	6,677.09	268.47	29.07	-74.10	-1,932.25	-7,255.57	2,206.54	1,939.01	267.53	8.248		
16,500.00	7,256.39	6,708.86	6,687.51	271.29	29.10	-74.40	-1,935.31	-7,255.91	2,242.76	1,976.50	266.25	8.423		
16,600.00	7,256.58	6,710.17	6,688.76	274.11	29.11	-74.44	-1,935.68	-7,255.95	2,282.85	2,018.56	264.29	8.638		
16,700.00	7,256.76	6,711.48	6,690.01	276.93	29.11	-74.47	-1,936.06	-7,255.99	2,326.54	2,064.50	262.04	8.879		
16,800.00	7,256.94	6,712.79	6,691.27	279.75	29.11	-74.51	-1,936.44	-7,256.04	2,373.65	2,114.09	259.56	9.145		
16,900.00	7,257.12	6,714.10	6,692.52	282.57	29.12	-74.55	-1,936.83	-7,256.08	2,423.96	2,167.09	256.88	9.436		
17,000.00	7,257.30	6,715.41	6,693.77	285.40	29.12	-74.58	-1,937.21	-7,256.12	2,477.29	2,223.25	254.05	9.751		
17,100.00	7,257.49	6,716.72	6,695.02	288.22	29.13	-74.62	-1,937.60	-7,256.16	2,533.45	2,282.35	251.10	10.089		
17,200.00	7,257.67	6,718.03	6,696.28	291.04	29.13	-74.65	-1,937.98	-7,256.20	2,592.24	2,344.18	248.06	10.450		
17,300.00	7,257.85	6,719.34	6,697.53	293.87	29.14	-74.69	-1,938.37	-7,256.24	2,653.50	2,408.53	244.97	10.832		
17,400.00	7,258.03	6,730.00	6,707.68	296.69	29.17	-74.98	-1,941.61	-7,256.56	2,717.11	2,474.94	242.17	11.220		
17,500.00	7,258.22	6,730.00	6,707.68	299.51	29.17	-74.98	-1,941.61	-7,256.56	2,782.79	2,543.80	238.99	11.644		
17,600.00	7,258.40	6,730.00	6,707.68	302.34	29.17	-74.98	-1,941.61	-7,256.56	2,850.47	2,614.65	235.82	12.087		
17,700.00	7,258.58	6,730.00	6,707.68	305.16	29.17	-74.98	-1,941.61	-7,256.56	2,920.01	2,687.33	232.67	12.550		
17,800.00	7,258.76	6,730.00	6,707.68	307.99	29.17	-74.98	-1,941.61	-7,256.56	2,991.27	2,761.71	229.57	13.030		
17,900.00	7,258.95	6,730.00	6,707.68	310.82	29.17	-74.98	-1,941.61	-7,256.56	3,064.14	2,837.63	226.51	13.528		
18,000.00	7,259.13	6,730.00	6,707.68	313.64	29.17	-74.98	-1,941.61	-7,256.56	3,138.50	2,915.00	223.50	14.042		
18,100.00	7,259.31	6,730.00	6,707.68	316.47	29.17	-74.98	-1,941.61	-7,256.56	3,214.26	2,993.70	220.56	14.573		
18,200.00	7,259.49	6,730.00	6,707.68	319.30	29.17	-74.98	-1,941.61	-7,256.56	3,291.31	3,073.62	217.69	15.120		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,300.00	7,259.68	6,730.00	6,707.68	322.12	29.17	-74.98	-1,941.61	-7,256.56	3,369.56	3,154.68	214.88	15.681		
18,400.00	7,259.86	6,730.00	6,707.68	324.95	29.17	-74.98	-1,941.61	-7,256.56	3,448.94	3,236.79	212.15	16.257		
18,500.00	7,260.04	6,730.00	6,707.68	327.78	29.17	-74.98	-1,941.61	-7,256.56	3,529.37	3,319.87	209.50	16.847		
18,600.00	7,260.22	6,730.00	6,707.68	330.61	29.17	-74.98	-1,941.61	-7,256.56	3,610.78	3,403.86	206.92	17.450		
18,700.00	7,260.41	6,730.00	6,707.68	333.44	29.17	-74.98	-1,941.61	-7,256.56	3,693.10	3,488.68	204.42	18.067		
18,800.00	7,260.59	6,730.00	6,707.68	336.27	29.17	-74.98	-1,941.61	-7,256.56	3,776.27	3,574.28	201.99	18.695		
18,900.00	7,260.77	6,740.52	6,717.66	339.10	29.20	-75.27	-1,944.92	-7,256.89	3,860.20	3,660.27	199.93	19.308		
19,000.00	7,260.95	6,741.88	6,718.95	341.93	29.21	-75.31	-1,945.36	-7,256.93	3,944.91	3,747.22	197.68	19.956		
19,025.91	7,261.00	6,742.24	6,719.28	342.66	29.21	-75.32	-1,945.48	-7,256.94	3,966.97	3,769.86	197.11	20.125		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	234.10	234.02	3.28	3.36	-107.03	-2,168.85	-7,080.13	7,408.90					
100.00	100.00	319.19	319.06	3.28	3.46	-107.03	-2,168.30	-7,077.46	7,405.70	7,398.96	6.74	1,098.125		
200.00	200.00	368.87	368.72	3.34	3.53	-107.04	-2,168.18	-7,076.03	7,402.92	7,396.05	6.87	1,078.012		
259.27	259.27	395.28	395.13	3.39	3.58	162.26	-2,167.79	-7,075.55	7,402.20	7,395.23	6.97	1,062.615		
300.00	299.98	422.00	421.84	3.44	3.62	162.26	-2,167.14	-7,075.26	7,402.55	7,395.49	7.06	1,048.242		
400.00	399.84	459.40	459.23	3.60	3.69	162.25	-2,166.20	-7,075.06	7,406.23	7,398.94	7.29	1,016.075		
500.00	499.45	513.00	512.82	3.81	3.81	162.22	-2,165.36	-7,075.03	7,413.96	7,406.36	7.61	974.818		
600.00	598.70	603.71	603.52	4.05	4.02	162.19	-2,164.74	-7,075.08	7,425.41	7,417.35	8.06	920.743		
700.00	697.47	769.37	769.17	4.34	4.48	162.17	-2,163.15	-7,074.05	7,439.31	7,430.51	8.80	845.054		
800.00	795.62	867.70	867.49	4.66	4.78	162.11	-2,161.86	-7,073.32	7,456.43	7,447.01	9.42	791.447		
849.22	843.68	903.80	903.59	4.84	4.89	162.07	-2,161.55	-7,073.03	7,466.09	7,456.38	9.71	769.279		
900.00	893.16	939.98	939.77	5.02	5.01	162.10	-2,161.22	-7,072.81	7,476.55	7,466.55	10.00	747.828		
1,000.00	990.60	1,000.00	1,049.03	5.41	5.22	162.16	-2,159.84	-7,072.26	7,497.15	7,486.60	10.55	710.455		
1,100.00	1,088.05	1,144.02	1,143.78	5.83	5.72	162.23	-2,158.17	-7,071.74	7,517.59	7,506.16	11.43	657.838		
1,200.00	1,185.49	1,200.97	1,200.72	6.26	5.92	162.26	-2,157.14	-7,071.67	7,538.43	7,526.42	12.02	627.353		
1,300.00	1,282.93	2,070.09	2,067.15	6.70	9.40	162.90	-2,120.19	-7,032.98	7,554.13	7,538.28	15.85	476.744		
1,400.00	1,380.37	2,233.99	2,229.82	7.15	10.12	163.06	-2,105.53	-7,019.36	7,565.54	7,548.58	16.95	446.339		
1,500.00	1,477.82	2,344.32	2,339.24	7.62	10.62	163.16	-2,096.44	-7,008.56	7,575.44	7,557.59	17.84	424.567		
1,600.00	1,575.26	2,400.26	2,394.79	8.09	10.88	163.21	-2,092.41	-7,003.21	7,585.89	7,567.37	18.51	409.752		
1,700.00	1,672.70	2,475.14	2,469.16	8.57	11.22	163.27	-2,087.11	-6,996.35	7,596.77	7,577.50	19.27	394.220		
1,800.00	1,770.15	2,667.74	2,660.33	9.05	12.11	163.44	-2,071.97	-6,978.45	7,607.45	7,586.90	20.54	370.344		
1,900.00	1,867.59	2,825.18	2,816.39	9.54	12.85	163.57	-2,059.17	-6,962.12	7,616.93	7,595.26	21.67	351.490		
2,000.00	1,965.03	2,906.27	2,896.79	10.03	13.24	163.63	-2,054.20	-6,952.88	7,626.01	7,603.54	22.47	339.344		
2,100.00	2,062.48	2,963.00	2,953.10	10.53	13.50	163.67	-2,050.82	-6,946.75	7,635.69	7,612.52	23.17	329.506		
2,200.00	2,159.92	2,994.02	2,983.90	11.03	13.65	163.69	-2,048.96	-6,943.65	7,646.07	7,622.31	23.76	321.746		
2,300.00	2,257.36	3,028.87	3,018.54	11.53	13.81	163.71	-2,046.84	-6,940.44	7,657.30	7,632.93	24.37	314.179		
2,400.00	2,354.81	2,400.00	3,220.28	12.03	10.85	163.87	-2,033.55	-6,921.77	7,668.53	7,646.43	22.10	346.981		
2,500.00	2,452.25	3,283.86	3,271.85	12.54	15.02	163.91	-2,029.89	-6,916.68	7,679.05	7,652.64	26.41	290.747		
2,600.00	2,549.69	3,341.00	3,328.65	13.04	15.29	163.95	-2,026.16	-6,911.74	7,690.52	7,663.40	27.12	283.525		
2,700.00	2,647.13	3,390.23	3,377.62	13.55	15.52	163.99	-2,023.08	-6,907.75	7,702.56	7,674.76	27.80	277.047		
2,800.00	2,744.58	3,551.45	3,537.89	14.06	16.28	164.11	-2,012.75	-6,893.72	7,714.19	7,685.21	28.98	266.177		
2,900.00	2,842.02	3,651.69	3,637.51	14.57	16.76	164.19	-2,005.85	-6,884.92	7,725.67	7,695.78	29.89	258.455		
3,000.00	2,939.46	4,045.11	4,027.44	15.09	18.69	164.49	-1,977.79	-6,841.18	7,734.02	7,701.91	32.11	240.884		
3,100.00	3,036.91	4,102.00	4,083.69	15.60	18.98	164.54	-1,972.76	-6,834.30	7,741.85	7,709.01	32.84	235.766		
3,200.00	3,134.35	4,145.15	4,126.37	16.11	19.19	164.57	-1,968.81	-6,829.40	7,750.33	7,716.82	33.51	231.312		
3,300.00	3,231.79	4,197.00	4,177.73	16.63	19.45	164.62	-1,964.11	-6,823.99	7,759.62	7,725.40	34.21	226.803		
3,400.00	3,329.24	4,197.00	4,177.73	17.14	19.45	164.62	-1,964.11	-6,823.99	7,769.74	7,735.06	34.68	224.028		
3,500.00	3,426.68	4,252.62	4,232.90	17.66	19.72	164.67	-1,959.26	-6,818.83	7,780.55	7,745.15	35.40	219.779		
3,600.00	3,524.12	4,292.00	4,272.01	18.18	19.92	164.71	-1,956.01	-6,815.62	7,792.31	7,756.27	36.05	216.182		
3,700.00	3,621.57	4,344.24	4,323.93	18.69	20.17	164.75	-1,951.72	-6,811.71	7,804.77	7,768.03	36.75	212.397		
3,800.00	3,719.01	4,415.48	4,394.73	19.21	20.51	164.82	-1,945.70	-6,806.72	7,817.68	7,780.15	37.53	208.277		
3,900.00	3,816.45	3,900.00	4,523.16	19.73	18.04	164.94	-1,934.68	-6,797.67	7,830.61	7,794.92	35.69	219.413		
4,000.00	3,913.90	4,632.46	4,610.36	20.25	21.55	165.02	-1,927.10	-6,791.22	7,843.21	7,803.75	39.47	198.734		
4,100.00	4,011.34	4,724.65	4,702.00	20.77	21.99	165.10	-1,919.34	-6,784.88	7,856.31	7,815.95	40.36	194.679		
4,200.00	4,108.78	4,802.18	4,779.08	21.29	22.36	165.16	-1,913.32	-6,779.20	7,869.21	7,828.04	41.17	191.119		
4,300.00	4,206.22	4,862.00	4,838.62	21.81	22.64	165.21	-1,908.92	-6,775.28	7,882.84	7,840.93	41.91	188.096		
4,400.00	4,303.67	4,933.09	4,909.41	22.33	22.97	165.27	-1,904.14	-6,770.82	7,896.91	7,854.22	42.69	184.969		
4,500.00	4,401.11	5,000.07	4,976.14	22.85	23.28	165.32	-1,900.41	-6,766.44	7,911.13	7,867.67	43.45	182.055		
4,600.00	4,498.55	5,053.00	5,028.92	23.37	23.53	165.35	-1,898.41	-6,763.05	7,925.89	7,881.74	44.15	179.535		
4,700.00	4,596.00	5,053.00	5,028.92	23.89	23.53	165.35	-1,898.41	-6,763.05	7,941.56	7,896.98	44.58	178.131		
4,800.00	4,693.44	5,099.80	5,075.63	24.41	23.73	165.37	-1,897.00	-6,760.56	7,957.88	7,912.64	45.24	175.918		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Harvesters Resources #15R-243(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 146-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
4,900.00	4,790.88	5,148.00	5,123.78	24.93	23.94	165.40	-1,895.53	-6,758.97	7,975.44	7,929.55	45.89	173.779					
5,000.00	4,888.33	5,148.00	5,123.78	25.46	23.94	165.40	-1,895.53	-6,758.97	7,993.60	7,947.29	46.31	172.600					
5,100.00	4,985.77	5,207.60	5,183.34	25.98	24.20	165.44	-1,893.66	-6,757.72	8,012.64	7,965.62	47.02	170.410					
5,200.00	5,083.21	5,242.00	5,217.72	26.50	24.35	165.46	-1,892.55	-6,757.11	8,032.17	7,984.58	47.60	168.746					
5,300.00	5,180.66	5,242.00	5,217.72	27.02	24.35	165.46	-1,892.55	-6,757.11	8,052.79	8,004.79	48.00	167.768					
5,400.00	5,278.10	5,298.14	5,273.84	27.55	24.57	165.49	-1,891.46	-6,756.66	8,073.75	8,025.09	48.67	165.902					
5,500.00	5,375.54	5,337.00	5,312.70	28.07	24.72	165.50	-1,891.56	-6,756.93	8,095.99	8,046.75	49.25	164.401					
5,582.90	5,456.32	5,351.07	5,326.77	28.50	24.77	165.51	-1,891.73	-6,757.11	8,114.98	8,065.35	49.63	163.512					
5,600.00	5,473.00	5,374.20	5,349.89	28.59	24.86	165.53	-1,891.99	-6,757.38	8,118.90	8,069.09	49.80	163.018					
5,700.00	5,570.93	5,507.71	5,483.39	29.10	25.34	165.68	-1,893.26	-6,758.68	8,139.61	8,088.80	50.81	160.196					
5,800.00	5,669.52	5,599.56	5,575.24	29.57	25.68	165.79	-1,893.96	-6,759.42	8,156.80	8,105.19	51.61	158.042					
5,900.00	5,768.62	5,674.15	5,649.82	30.03	25.96	165.87	-1,894.61	-6,760.15	8,170.86	8,118.54	52.32	156.172					
6,000.00	5,868.13	5,746.73	5,722.39	30.45	26.23	165.94	-1,895.38	-6,761.09	8,181.89	8,128.88	53.01	154.356					
6,100.00	5,967.93	5,824.38	5,800.03	30.86	26.52	165.98	-1,895.96	-6,762.40	8,189.85	8,136.14	53.71	152.492					
6,200.00	6,067.88	5,915.95	5,891.58	31.24	26.86	166.01	-1,896.71	-6,764.09	8,194.61	8,140.15	54.46	150.460					
6,232.12	6,100.00	5,946.59	5,922.21	31.36	26.98	-103.28	-1,896.99	-6,764.66	8,195.44	8,140.73	54.71	149.806					
6,300.00	6,167.88	6,009.67	5,985.28	31.61	27.21	-103.28	-1,897.48	-6,765.88	8,196.84	8,141.64	55.21	148.479					
6,400.00	6,267.88	6,085.94	6,061.53	31.97	27.50	-103.28	-1,898.01	-6,767.52	8,199.09	8,143.23	55.86	146.779					
6,500.00	6,367.88	6,251.93	6,227.48	32.34	28.13	-103.29	-1,899.46	-6,770.22	8,200.74	8,143.77	56.96	143.969					
6,600.00	6,467.88	6,320.00	6,295.55	32.70	28.39	-103.29	-1,899.78	-6,771.36	8,202.49	8,144.91	57.58	142.447					
6,700.00	6,567.88	6,352.00	6,327.54	33.07	28.52	-103.29	-1,900.15	-6,771.99	8,204.81	8,146.79	58.02	141.405					
6,736.50	6,604.38	6,366.64	6,342.17	33.21	28.57	-103.29	-1,900.55	-6,772.30	8,205.86	8,147.66	58.20	141.001					
6,750.00	6,617.88	6,369.47	6,344.99	33.25	28.58	-16.19	-1,900.66	-6,772.37	8,206.14	8,147.89	58.25	140.886					
6,800.00	6,667.77	6,384.00	6,359.51	33.43	28.64	-16.23	-1,901.34	-6,772.74	8,204.97	8,146.53	58.44	140.411					
6,850.00	6,717.28	6,384.00	6,359.51	33.60	28.64	-16.35	-1,901.34	-6,772.74	8,200.27	8,141.73	58.54	140.085					
6,900.00	6,766.09	6,384.00	6,359.51	33.79	28.64	-16.56	-1,901.34	-6,772.74	8,192.14	8,133.51	58.63	139.736					
6,950.00	6,813.90	6,415.00	6,390.40	33.99	28.75	-16.90	-1,903.64	-6,773.75	8,180.51	8,121.65	58.85	138.996					
7,000.00	6,860.42	6,415.00	6,390.40	34.20	28.75	-17.32	-1,903.64	-6,773.75	8,165.46	8,106.55	58.91	138.598					
7,050.00	6,905.36	6,415.00	6,390.40	34.42	28.75	-17.85	-1,903.64	-6,773.75	8,147.15	8,088.19	58.96	138.179					
7,100.00	6,948.45	6,428.76	6,404.08	34.67	28.79	-18.55	-1,905.02	-6,774.30	8,125.63	8,066.56	59.06	137.573					
7,150.00	6,989.41	6,447.00	6,422.18	34.94	28.86	-19.42	-1,907.15	-6,775.09	8,101.02	8,041.84	59.18	136.888					
7,200.00	7,028.00	6,447.00	6,422.18	35.24	28.86	-20.44	-1,907.15	-6,775.09	8,073.39	8,014.19	59.20	136.386					
7,250.00	7,063.98	6,581.66	6,554.55	35.56	29.30	-22.21	-1,931.11	-6,778.31	8,042.48	7,982.61	59.87	134.337					
7,300.00	7,097.13	6,595.70	6,568.16	35.92	29.34	-23.89	-1,934.55	-6,778.35	8,008.84	7,948.90	59.94	133.606					
7,350.00	7,127.23	6,606.00	6,578.13	36.32	29.38	-25.92	-1,937.17	-6,778.37	7,972.74	7,912.74	60.00	132.880					
7,400.00	7,154.12	6,619.33	6,590.98	36.75	29.42	-28.47	-1,940.70	-6,778.39	7,934.39	7,874.32	60.07	132.085					
7,450.00	7,177.61	6,628.77	6,600.05	37.22	29.45	-31.64	-1,943.33	-6,778.39	7,894.00	7,833.88	60.13	131.293					
7,500.00	7,197.57	6,637.00	6,607.93	37.73	29.47	-35.65	-1,945.71	-6,778.37	7,851.81	7,791.63	60.18	130.473					
7,550.00	7,213.88	6,645.03	6,615.59	38.28	29.49	-40.78	-1,948.09	-6,778.35	7,808.06	7,747.82	60.24	129.615					
7,600.00	7,226.42	6,651.40	6,621.66	38.87	29.51	-47.38	-1,950.02	-6,778.32	7,763.01	7,702.70	60.30	128.732					
7,650.00	7,235.13	6,655.60	6,625.66	39.48	29.53	-55.85	-1,951.30	-6,778.31	7,716.91	7,656.54	60.37	127.832					
7,700.00	7,239.95	6,657.64	6,627.60	40.12	29.53	-66.47	-1,951.93	-6,778.30	7,670.05	7,609.61	60.43	126.916					
7,735.44	7,241.00	6,657.79	6,627.75	40.59	29.53	-75.26	-1,951.98	-6,778.30	7,636.52	7,576.03	60.48	126.256					
7,800.00	7,241.11	6,657.11	6,627.10	41.47	29.53	-75.25	-1,951.77	-6,778.30	7,575.31	7,514.73	60.58	125.042					
7,900.00	7,241.27	6,656.06	6,626.10	42.96	29.53	-75.22	-1,951.44	-6,778.30	7,480.62	7,419.86	60.76	123.116					
8,000.00	7,241.44	6,655.02	6,625.11	44.59	29.52	-75.20	-1,951.13	-6,778.31	7,386.06	7,325.08	60.97	121.134					
8,100.00	7,241.61	6,654.01	6,624.15	46.34	29.52	-75.17	-1,950.82	-6,778.31	7,291.65	7,230.42	61.23	119.096					
8,200.00	7,241.77	6,653.01	6,623.19	48.20	29.52	-75.15	-1,950.51	-6,778.32	7,197.39	7,135.87	61.51	117.002					
8,300.00	7,241.94	6,652.02	6,622.26	50.16	29.52	-75.13	-1,950.21	-6,778.32	7,103.28	7,041.44	61.85	114.856					
8,400.00	7,242.11	6,651.05	6,621.33	52.20	29.51	-75.11	-1,949.91	-6,778.33	7,009.34	6,947.12	62.22	112.657					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,242.27	6,650.10	6,620.43	54.31	29.51	-75.08	-1,949.62	-6,778.33	6,915.57	6,852.93	62.64	110.410		
8,600.00	7,242.44	6,649.16	6,619.53	56.49	29.51	-75.06	-1,949.34	-6,778.33	6,821.97	6,758.88	63.10	108.116		
8,700.00	7,242.60	6,648.24	6,618.65	58.73	29.50	-75.04	-1,949.06	-6,778.34	6,728.56	6,664.95	63.61	105.779		
8,800.00	7,242.77	6,647.33	6,617.78	61.03	29.50	-75.02	-1,948.79	-6,778.34	6,635.34	6,571.17	64.17	103.403		
8,900.00	7,242.94	6,646.43	6,616.93	63.37	29.50	-75.00	-1,948.52	-6,778.34	6,542.32	6,477.54	64.78	100.991		
9,000.00	7,243.10	6,645.55	6,616.09	65.75	29.50	-74.97	-1,948.25	-6,778.35	6,449.51	6,384.07	65.45	98.547		
9,100.00	7,243.27	6,644.68	6,615.26	68.18	29.49	-74.95	-1,947.99	-6,778.35	6,356.92	6,290.76	66.16	96.077		
9,200.00	7,243.44	6,643.82	6,614.44	70.63	29.49	-74.93	-1,947.73	-6,778.35	6,264.56	6,197.62	66.94	93.585		
9,300.00	7,243.60	6,637.00	6,607.93	73.12	29.47	-74.77	-1,945.71	-6,778.37	6,172.43	6,104.71	67.73	91.136		
9,400.00	7,243.77	6,637.00	6,607.93	75.63	29.47	-74.77	-1,945.71	-6,778.37	6,080.55	6,011.93	68.63	88.605		
9,500.00	7,243.94	6,637.00	6,607.93	78.17	29.47	-74.77	-1,945.71	-6,778.37	5,988.93	5,919.35	69.58	86.068		
9,600.00	7,244.10	6,637.00	6,607.93	80.73	29.47	-74.77	-1,945.71	-6,778.37	5,897.59	5,826.98	70.61	83.529		
9,700.00	7,244.27	6,637.00	6,607.93	83.31	29.47	-74.77	-1,945.71	-6,778.37	5,806.52	5,734.83	71.69	80.993		
9,800.00	7,244.44	6,637.00	6,607.93	85.91	29.47	-74.77	-1,945.71	-6,778.37	5,715.76	5,642.92	72.84	78.465		
9,900.00	7,244.60	6,637.00	6,607.93	88.53	29.47	-74.77	-1,945.71	-6,778.37	5,625.31	5,551.24	74.07	75.950		
10,000.00	7,244.77	6,637.00	6,607.93	91.16	29.47	-74.77	-1,945.71	-6,778.37	5,535.19	5,459.83	75.36	73.453		
10,100.00	7,244.94	6,637.00	6,607.93	93.81	29.47	-74.77	-1,945.71	-6,778.37	5,445.41	5,368.69	76.72	70.978		
10,200.00	7,245.10	6,637.00	6,607.93	96.46	29.47	-74.77	-1,945.71	-6,778.37	5,355.99	5,277.84	78.16	68.529		
10,300.00	7,245.27	6,637.00	6,607.93	99.14	29.47	-74.77	-1,945.71	-6,778.37	5,266.96	5,187.29	79.67	66.111		
10,400.00	7,245.43	6,637.00	6,607.93	101.82	29.47	-74.77	-1,945.71	-6,778.37	5,178.33	5,097.07	81.26	63.726		
10,500.00	7,245.60	6,637.00	6,607.93	104.51	29.47	-74.77	-1,945.71	-6,778.37	5,090.11	5,007.18	82.93	61.378		
10,600.00	7,245.77	6,637.00	6,607.93	107.21	29.47	-74.77	-1,945.71	-6,778.37	5,002.34	4,917.66	84.68	59.071		
10,700.00	7,245.93	6,637.00	6,607.93	109.92	29.47	-74.77	-1,945.71	-6,778.37	4,915.04	4,828.52	86.52	56.806		
10,800.00	7,246.10	6,637.00	6,607.93	112.64	29.47	-74.77	-1,945.71	-6,778.37	4,828.23	4,739.78	88.45	54.588		
10,900.00	7,246.27	6,637.00	6,607.93	115.37	29.47	-74.77	-1,945.71	-6,778.37	4,741.94	4,651.48	90.46	52.417		
11,000.00	7,246.43	6,637.00	6,607.93	118.10	29.47	-74.77	-1,945.71	-6,778.37	4,656.20	4,563.63	92.57	50.297		
11,100.00	7,246.60	6,637.00	6,607.93	120.84	29.47	-74.77	-1,945.71	-6,778.37	4,571.04	4,476.26	94.78	48.228		
11,200.00	7,246.77	6,637.00	6,607.93	123.58	29.47	-74.77	-1,945.71	-6,778.37	4,486.49	4,389.41	97.08	46.213		
11,300.00	7,246.93	6,637.00	6,607.93	126.34	29.47	-74.77	-1,945.71	-6,778.37	4,402.59	4,303.10	99.49	44.252		
11,340.34	7,247.00	6,637.00	6,607.93	127.45	29.47	-74.77	-1,945.71	-6,778.37	4,368.94	4,268.45	100.49	43.477		
11,400.00	7,247.10	6,637.00	6,607.93	129.09	29.47	-74.28	-1,945.71	-6,778.37	4,319.04	4,217.07	101.97	42.355		
11,500.00	7,247.27	6,637.00	6,607.93	131.84	29.47	-73.39	-1,945.71	-6,778.37	4,234.50	4,130.08	104.43	40.550		
11,586.15	7,247.43	6,637.00	6,607.93	134.20	29.47	-72.55	-1,945.71	-6,778.37	4,160.79	4,054.29	106.50	39.067		
11,600.00	7,247.45	6,637.00	6,607.93	134.57	29.47	-72.55	-1,945.71	-6,778.37	4,148.88	4,042.04	106.84	38.834		
11,700.00	7,247.64	6,637.00	6,607.93	137.31	29.47	-72.55	-1,945.71	-6,778.37	4,063.25	3,953.97	109.29	37.179		
11,800.00	7,247.82	6,637.00	6,607.93	140.05	29.47	-72.55	-1,945.71	-6,778.37	3,978.30	3,866.45	111.85	35.569		
11,900.00	7,248.00	6,637.00	6,607.93	142.79	29.47	-72.55	-1,945.71	-6,778.37	3,894.06	3,779.54	114.52	34.003		
12,000.00	7,248.18	6,637.00	6,607.93	145.53	29.47	-72.55	-1,945.71	-6,778.37	3,810.59	3,693.28	117.31	32.483		
12,100.00	7,248.37	6,637.00	6,607.93	148.28	29.47	-72.55	-1,945.71	-6,778.37	3,727.92	3,607.70	120.22	31.009		
12,200.00	7,248.55	6,637.00	6,607.93	151.04	29.47	-72.55	-1,945.71	-6,778.37	3,646.13	3,522.87	123.25	29.582		
12,300.00	7,248.73	6,637.00	6,607.93	153.80	29.47	-72.55	-1,945.71	-6,778.37	3,565.26	3,438.84	126.42	28.202		
12,400.00	7,248.91	6,637.00	6,607.93	156.56	29.47	-72.55	-1,945.71	-6,778.37	3,485.39	3,355.67	129.72	26.869		
12,500.00	7,249.10	6,637.00	6,607.93	159.32	29.47	-72.55	-1,945.71	-6,778.37	3,406.58	3,273.42	133.16	25.583		
12,600.00	7,249.28	6,637.00	6,607.93	162.09	29.47	-72.55	-1,945.71	-6,778.37	3,328.90	3,192.17	136.73	24.346		
12,700.00	7,249.46	6,637.00	6,607.93	164.86	29.47	-72.55	-1,945.71	-6,778.37	3,252.45	3,111.99	140.46	23.156		
12,800.00	7,249.64	6,637.00	6,607.93	167.63	29.47	-72.55	-1,945.71	-6,778.37	3,177.31	3,032.98	144.33	22.015		
12,900.00	7,249.83	6,637.00	6,607.93	170.40	29.47	-72.55	-1,945.71	-6,778.37	3,103.56	2,955.22	148.35	20.921		
13,000.00	7,250.01	6,637.00	6,607.93	173.18	29.47	-72.55	-1,945.71	-6,778.37	3,031.33	2,878.81	152.52	19.876		
13,100.00	7,250.19	6,637.00	6,607.93	175.96	29.47	-72.55	-1,945.71	-6,778.37	2,960.71	2,803.87	156.83	18.878		
13,200.00	7,250.37	6,637.00	6,607.93	178.74	29.47	-72.55	-1,945.71	-6,778.37	2,891.82	2,730.52	161.30	17.928		
13,300.00	7,250.56	6,637.00	6,607.93	181.52	29.47	-72.55	-1,945.71	-6,778.37	2,824.80	2,658.89	165.91	17.026		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Harvesters Resources #15R-243(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 146-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
13,400.00	7,250.74	6,637.00	6,607.93	184.31	29.47	-72.55	-1,945.71	-6,778.37	2,759.77	2,589.11	170.65	16.172					
13,500.00	7,250.92	6,637.00	6,607.93	187.09	29.47	-72.55	-1,945.71	-6,778.37	2,696.88	2,521.35	175.53	15.364					
13,600.00	7,251.10	6,637.00	6,607.93	189.88	29.47	-72.55	-1,945.71	-6,778.37	2,636.28	2,455.76	180.52	14.604					
13,700.00	7,251.29	6,637.00	6,607.93	192.67	29.47	-72.55	-1,945.71	-6,778.37	2,578.14	2,392.53	185.62	13.890					
13,800.00	7,251.47	6,637.00	6,607.93	195.47	29.47	-72.55	-1,945.71	-6,778.37	2,522.63	2,331.84	190.79	13.222					
13,900.00	7,251.65	6,637.00	6,607.93	198.26	29.47	-72.55	-1,945.71	-6,778.37	2,469.92	2,273.89	196.03	12.600					
14,000.00	7,251.83	6,637.00	6,607.93	201.05	29.47	-72.55	-1,945.71	-6,778.37	2,420.20	2,218.90	201.30	12.023					
14,100.00	7,252.01	6,637.00	6,607.93	203.85	29.47	-72.55	-1,945.71	-6,778.37	2,373.64	2,167.08	206.57	11.491					
14,200.00	7,252.20	6,637.00	6,607.93	206.65	29.47	-72.55	-1,945.71	-6,778.37	2,330.46	2,118.66	211.80	11.003					
14,300.00	7,252.38	6,637.00	6,607.93	209.45	29.47	-72.55	-1,945.71	-6,778.37	2,290.82	2,073.87	216.95	10.559					
14,400.00	7,252.56	6,637.00	6,607.93	212.25	29.47	-72.55	-1,945.71	-6,778.37	2,254.93	2,032.94	221.99	10.158					
14,500.00	7,252.74	6,637.00	6,607.93	215.05	29.47	-72.55	-1,945.71	-6,778.37	2,222.96	1,996.11	226.85	9.799					
14,600.00	7,252.93	6,637.00	6,607.93	217.86	29.47	-72.55	-1,945.71	-6,778.37	2,195.08	1,963.59	231.50	9.482					
14,700.00	7,253.11	6,637.00	6,607.93	220.66	29.47	-72.55	-1,945.71	-6,778.37	2,171.46	1,935.58	235.87	9.206					
14,800.00	7,253.29	6,637.00	6,607.93	223.47	29.47	-72.55	-1,945.71	-6,778.37	2,152.22	1,912.29	239.93	8.970					
14,900.00	7,253.47	6,637.00	6,607.93	226.27	29.47	-72.55	-1,945.71	-6,778.37	2,137.50	1,893.87	243.63	8.774					
15,000.00	7,253.66	6,637.00	6,607.93	229.08	29.47	-72.55	-1,945.71	-6,778.37	2,127.38	1,880.46	246.92	8.616					
15,100.00	7,253.84	6,637.00	6,607.93	231.89	29.47	-72.55	-1,945.71	-6,778.37	2,121.93	1,872.16	249.77	8.496					
15,165.80	7,253.96	6,637.00	6,607.93	233.74	29.47	-72.55	-1,945.71	-6,778.37	2,120.91	1,869.52	251.39	8.437 CC					
15,200.00	7,254.02	6,637.00	6,607.93	234.70	29.47	-72.55	-1,945.71	-6,778.37	2,121.18	1,869.03	252.15	8.412 ES					
15,300.00	7,254.20	6,637.00	6,607.93	237.51	29.47	-72.55	-1,945.71	-6,778.37	2,125.15	1,871.10	254.05	8.365					
15,400.00	7,254.39	6,637.00	6,607.93	240.32	29.47	-72.55	-1,945.71	-6,778.37	2,133.80	1,878.34	255.46	8.353 SF					
15,500.00	7,254.57	6,637.00	6,607.93	243.13	29.47	-72.55	-1,945.71	-6,778.37	2,147.08	1,890.70	256.38	8.375					
15,600.00	7,254.75	6,637.00	6,607.93	245.94	29.47	-72.55	-1,945.71	-6,778.37	2,164.90	1,908.08	256.82	8.430					
15,700.00	7,254.93	6,637.00	6,607.93	248.76	29.47	-72.55	-1,945.71	-6,778.37	2,187.15	1,930.34	256.80	8.517					
15,800.00	7,255.12	6,637.00	6,607.93	251.57	29.47	-72.55	-1,945.71	-6,778.37	2,213.70	1,957.34	256.36	8.635					
15,900.00	7,255.30	6,637.00	6,607.93	254.39	29.47	-72.55	-1,945.71	-6,778.37	2,244.39	1,988.88	255.51	8.784					
16,000.00	7,255.48	6,637.00	6,607.93	257.20	29.47	-72.55	-1,945.71	-6,778.37	2,279.07	2,024.76	254.30	8.962					
16,100.00	7,255.66	6,637.00	6,607.93	260.02	29.47	-72.55	-1,945.71	-6,778.37	2,317.54	2,064.77	252.77	9.169					
16,200.00	7,255.85	6,637.00	6,607.93	262.84	29.47	-72.55	-1,945.71	-6,778.37	2,359.62	2,108.66	250.96	9.402					
16,300.00	7,256.03	6,637.00	6,607.93	265.65	29.47	-72.55	-1,945.71	-6,778.37	2,405.13	2,156.23	248.90	9.663					
16,400.00	7,256.21	6,646.17	6,616.68	268.47	29.50	-72.80	-1,948.44	-6,778.34	2,453.83	2,206.87	246.96	9.936					
16,500.00	7,256.39	6,646.49	6,616.98	271.29	29.50	-72.81	-1,948.53	-6,778.34	2,505.61	2,261.07	244.54	10.246					
16,600.00	7,256.58	6,646.81	6,617.29	274.11	29.50	-72.81	-1,948.63	-6,778.34	2,560.26	2,318.27	241.99	10.580					
16,700.00	7,256.76	6,647.13	6,617.59	276.93	29.50	-72.82	-1,948.72	-6,778.34	2,617.58	2,378.25	239.33	10.937					
16,800.00	7,256.94	6,647.44	6,617.89	279.75	29.50	-72.83	-1,948.82	-6,778.34	2,677.42	2,440.81	236.60	11.316					
16,900.00	7,257.12	6,647.75	6,618.19	282.57	29.50	-72.84	-1,948.91	-6,778.34	2,739.59	2,505.77	233.82	11.716					
17,000.00	7,257.30	6,648.07	6,618.49	285.40	29.50	-72.85	-1,949.01	-6,778.34	2,803.96	2,572.94	231.02	12.138					
17,100.00	7,257.49	6,648.38	6,618.78	288.22	29.50	-72.86	-1,949.10	-6,778.34	2,870.37	2,642.17	228.20	12.578					
17,200.00	7,257.67	6,648.68	6,619.08	291.04	29.51	-72.86	-1,949.19	-6,778.33	2,938.68	2,713.29	225.39	13.038					
17,300.00	7,257.85	6,648.99	6,619.37	293.87	29.51	-72.87	-1,949.29	-6,778.33	3,008.76	2,786.17	222.59	13.517					
17,400.00	7,258.03	6,649.29	6,619.66	296.69	29.51	-72.88	-1,949.38	-6,778.33	3,080.50	2,860.67	219.83	14.013					
17,500.00	7,258.22	6,649.60	6,619.95	299.51	29.51	-72.89	-1,949.47	-6,778.33	3,153.77	2,936.67	217.11	14.526					
17,600.00	7,258.40	6,649.90	6,620.23	302.34	29.51	-72.90	-1,949.56	-6,778.33	3,228.48	3,014.05	214.43	15.056					
17,700.00	7,258.58	6,650.20	6,620.52	305.16	29.51	-72.91	-1,949.65	-6,778.33	3,304.53	3,092.72	211.81	15.602					
17,800.00	7,258.76	6,650.49	6,620.80	307.99	29.51	-72.91	-1,949.74	-6,778.33	3,381.82	3,172.59	209.24	16.163					
17,900.00	7,258.95	6,650.79	6,621.08	310.82	29.51	-72.92	-1,949.83	-6,778.33	3,460.28	3,253.55	206.73	16.738					
18,000.00	7,259.13	6,651.08	6,621.36	313.64	29.51	-72.93	-1,949.92	-6,778.33	3,539.83	3,335.54	204.28	17.328					
18,100.00	7,259.31	6,651.37	6,621.64	316.47	29.51	-72.94	-1,950.01	-6,778.32	3,620.38	3,418.48	201.90	17.931					
18,200.00	7,259.49	6,651.66	6,621.92	319.30	29.51	-72.95	-1,950.10	-6,778.32	3,701.89	3,502.31	199.58	18.548					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,300.00	7,259.68	6,651.95	6,622.19	322.12	29.52	-72.95	-1,950.19	-6,778.32	3,784.28	3,586.95	197.33	19.177		
18,400.00	7,259.86	6,652.24	6,622.46	324.95	29.52	-72.96	-1,950.28	-6,778.32	3,867.51	3,672.36	195.15	19.819		
18,500.00	7,260.04	6,652.52	6,622.74	327.78	29.52	-72.97	-1,950.36	-6,778.32	3,951.51	3,758.49	193.02	20.472		
18,600.00	7,260.22	6,652.81	6,623.01	330.61	29.52	-72.98	-1,950.45	-6,778.32	4,036.24	3,845.28	190.96	21.136		
18,700.00	7,260.41	6,653.09	6,623.27	333.44	29.52	-72.98	-1,950.53	-6,778.32	4,121.66	3,932.69	188.97	21.811		
18,800.00	7,260.59	6,653.37	6,623.54	336.27	29.52	-72.99	-1,950.62	-6,778.32	4,207.71	4,020.68	187.03	22.497		
18,900.00	7,260.77	6,653.65	6,623.81	339.10	29.52	-73.00	-1,950.71	-6,778.31	4,294.38	4,109.22	185.16	23.193		
19,000.00	7,260.95	6,653.92	6,624.07	341.93	29.52	-73.01	-1,950.79	-6,778.31	4,381.61	4,198.27	183.34	23.899		
19,025.91	7,261.00	6,654.00	6,624.14	342.66	29.52	-73.01	-1,950.81	-6,778.31	4,404.30	4,221.42	182.88	24.083		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-111.08	-2,183.00	-5,663.68	6,069.82					
100.00	100.00	85.00	85.00	3.28	3.29	-111.08	-2,183.00	-5,663.68	6,069.82	6,063.25	6.57	923.869		
200.00	200.00	185.00	185.00	3.34	3.31	-111.08	-2,183.00	-5,663.68	6,069.82	6,063.18	6.64	913.845		
300.00	299.98	284.98	284.98	3.44	3.34	158.21	-2,183.00	-5,663.68	6,071.44	6,064.66	6.78	895.250		
400.00	399.84	384.84	384.84	3.60	3.39	158.19	-2,183.00	-5,663.68	6,076.30	6,069.31	6.99	869.679		
500.00	499.45	484.45	484.45	3.81	3.45	158.16	-2,183.00	-5,663.68	6,084.40	6,077.14	7.25	838.899		
600.00	598.70	583.70	583.70	4.05	3.52	158.12	-2,183.00	-5,663.68	6,095.72	6,088.14	7.57	804.923		
700.00	697.47	682.47	682.47	4.34	3.61	158.06	-2,183.00	-5,663.68	6,110.26	6,102.31	7.94	769.455		
800.00	795.62	780.62	780.62	4.66	3.70	157.99	-2,183.00	-5,663.68	6,127.99	6,119.64	8.35	733.801		
849.22	843.68	828.68	828.68	4.84	3.75	157.95	-2,183.00	-5,663.68	6,137.90	6,129.33	8.57	716.259		
900.00	893.16	878.16	878.16	5.02	3.80	157.99	-2,183.00	-5,663.68	6,148.51	6,139.71	8.80	698.884		
1,000.00	990.60	975.60	975.60	5.41	3.92	158.07	-2,183.00	-5,663.68	6,169.42	6,160.16	9.27	665.877		
1,100.00	1,088.05	1,073.05	1,073.05	5.83	4.04	158.15	-2,183.00	-5,663.68	6,190.34	6,180.59	9.76	634.311		
1,200.00	1,185.49	1,170.49	1,170.49	6.26	4.17	158.23	-2,183.00	-5,663.68	6,211.28	6,201.00	10.28	604.466		
1,300.00	1,282.93	1,267.93	1,267.93	6.70	4.30	158.30	-2,183.00	-5,663.68	6,232.22	6,221.41	10.81	576.459		
1,400.00	1,380.37	1,271.59	1,271.58	7.15	4.41	158.31	-2,182.52	-5,664.43	6,254.42	6,243.10	11.32	552.611		
1,500.00	1,477.82	1,300.00	1,299.98	7.62	4.49	158.34	-2,182.06	-5,665.14	6,277.30	6,265.49	11.81	531.560		
1,600.00	1,575.26	1,354.94	1,354.86	8.09	4.66	158.40	-2,180.74	-5,667.20	6,300.99	6,288.60	12.39	508.534		
1,700.00	1,672.70	1,400.00	1,399.84	8.57	4.80	158.46	-2,179.23	-5,669.55	6,325.57	6,312.62	12.95	488.522		
1,800.00	1,770.15	1,437.08	1,436.81	9.05	4.92	158.51	-2,177.70	-5,671.92	6,351.01	6,337.52	13.49	470.909		
1,900.00	1,867.59	1,500.00	1,499.45	9.54	5.13	158.60	-2,174.52	-5,676.88	6,377.40	6,363.27	14.12	451.631		
2,000.00	1,965.03	1,500.00	1,499.45	10.03	5.13	158.60	-2,174.52	-5,676.88	6,404.51	6,389.98	14.53	440.733		
2,100.00	2,062.48	1,576.19	1,575.11	10.53	5.40	158.72	-2,169.67	-5,684.43	6,432.51	6,417.29	15.23	422.424		
2,200.00	2,159.92	1,626.63	1,625.12	11.03	5.59	158.81	-2,166.10	-5,689.98	6,461.18	6,445.35	15.84	408.022		
2,300.00	2,257.36	1,720.74	1,718.42	11.53	5.96	158.97	-2,159.44	-5,700.35	6,490.05	6,473.42	16.63	390.335		
2,400.00	2,354.81	1,814.85	1,811.72	12.03	6.34	159.13	-2,152.78	-5,710.72	6,518.96	6,501.53	17.44	373.889		
2,500.00	2,452.25	1,908.96	1,905.02	12.54	6.73	159.28	-2,146.12	-5,721.08	6,547.92	6,529.66	18.26	358.651		
2,600.00	2,549.69	2,003.07	1,998.32	13.04	7.14	159.44	-2,139.46	-5,731.45	6,576.93	6,557.84	19.09	344.525		
2,700.00	2,647.13	2,102.82	2,091.61	13.55	7.58	159.59	-2,132.79	-5,741.82	6,605.98	6,586.02	19.96	331.031		
2,800.00	2,744.58	2,208.71	2,184.91	14.06	8.06	159.75	-2,126.13	-5,752.19	6,635.08	6,614.22	20.86	318.123		
2,900.00	2,842.02	2,285.40	2,278.21	14.57	8.41	159.90	-2,119.47	-5,762.55	6,664.22	6,642.58	21.64	307.981		
3,000.00	2,939.46	2,379.51	2,371.51	15.09	8.84	160.05	-2,112.81	-5,772.92	6,693.40	6,670.90	22.50	297.474		
3,100.00	3,036.91	2,473.62	2,464.81	15.60	9.28	160.20	-2,106.15	-5,783.29	6,722.63	6,699.26	23.37	287.684		
3,200.00	3,134.35	2,567.73	2,558.11	16.11	9.73	160.35	-2,099.49	-5,793.65	6,751.90	6,727.66	24.24	278.547		
3,300.00	3,231.79	2,661.84	2,651.41	16.63	10.17	160.49	-2,092.83	-5,804.02	6,781.22	6,756.10	25.12	270.007		
3,400.00	3,329.24	2,755.95	2,744.71	17.14	10.62	160.64	-2,086.16	-5,814.39	6,810.57	6,784.58	25.99	262.010		
3,500.00	3,426.68	2,850.06	2,838.01	17.66	11.08	160.78	-2,079.50	-5,824.76	6,839.97	6,813.10	26.87	254.512		
3,600.00	3,524.12	2,944.17	2,931.31	18.18	11.53	160.93	-2,072.84	-5,835.12	6,869.41	6,841.65	27.76	247.470		
3,700.00	3,621.57	3,038.28	3,024.61	18.69	11.99	161.07	-2,066.18	-5,845.49	6,898.89	6,870.24	28.64	240.845		
3,800.00	3,719.01	3,132.38	3,117.91	19.21	12.45	161.21	-2,059.52	-5,855.86	6,928.40	6,898.87	29.53	234.604		
3,900.00	3,816.45	3,226.49	3,211.20	19.73	12.92	161.35	-2,052.86	-5,866.23	6,957.96	6,927.54	30.42	228.716		
4,000.00	3,913.90	3,320.60	3,304.50	20.25	13.38	161.49	-2,046.20	-5,876.59	6,987.55	6,956.24	31.31	223.153		
4,100.00	4,011.34	3,414.71	3,397.80	20.77	13.84	161.63	-2,039.54	-5,886.96	7,017.19	6,984.98	32.21	217.891		
4,200.00	4,108.78	3,508.82	3,491.10	21.29	14.31	161.76	-2,032.87	-5,897.33	7,046.86	7,013.76	33.10	212.906		
4,300.00	4,206.22	3,602.93	3,584.40	21.81	14.78	161.90	-2,026.21	-5,907.69	7,076.57	7,042.57	33.99	208.178		
4,400.00	4,303.67	3,702.96	3,677.70	22.33	15.28	162.03	-2,019.55	-5,918.06	7,106.31	7,071.40	34.92	203.525		
4,500.00	4,401.11	3,791.15	3,771.00	22.85	15.72	162.17	-2,012.89	-5,928.43	7,136.09	7,100.31	35.78	199.419		
4,600.00	4,498.55	3,885.26	3,864.30	23.37	16.19	162.30	-2,006.23	-5,938.80	7,165.91	7,129.23	36.68	195.355		
4,700.00	4,596.00	3,979.37	3,957.60	23.89	16.66	162.43	-1,999.57	-5,949.16	7,195.76	7,158.18	37.58	191.484		
4,800.00	4,693.44	4,073.48	4,050.90	24.41	17.13	162.56	-1,992.91	-5,959.53	7,225.65	7,187.17	38.48	187.791		
4,900.00	4,790.88	4,167.59	4,144.20	24.93	17.60	162.69	-1,986.25	-5,969.90	7,255.57	7,216.19	39.38	184.266		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,261.70	4,237.50	25.46	18.07	162.82	-1,979.58	-5,980.26	7,285.52	7,245.25	40.27	180.896		
5,100.00	4,985.77	4,355.81	4,330.79	25.98	18.55	162.94	-1,972.92	-5,990.63	7,315.51	7,274.34	41.17	177.673		
5,200.00	5,083.21	4,449.92	4,424.09	26.50	19.02	163.07	-1,966.26	-6,001.00	7,345.54	7,303.46	42.07	174.586		
5,300.00	5,180.66	4,544.03	4,517.39	27.02	19.50	163.19	-1,959.60	-6,011.37	7,375.59	7,332.62	42.97	171.629		
5,400.00	5,278.10	4,638.14	4,610.69	27.55	19.97	163.32	-1,952.94	-6,021.73	7,405.68	7,361.81	43.87	168.793		
5,500.00	5,375.54	4,732.24	4,703.99	28.07	20.45	163.44	-1,946.28	-6,032.10	7,435.80	7,391.02	44.78	166.070		
5,582.90	5,456.32	4,810.26	4,781.33	28.50	20.84	163.54	-1,940.76	-6,040.69	7,460.79	7,415.27	45.52	163.895		
5,600.00	5,473.00	4,826.37	4,797.31	28.59	20.92	163.59	-1,939.61	-6,042.47	7,465.90	7,420.23	45.68	163.455		
5,700.00	5,570.93	4,921.23	4,891.34	29.10	21.40	163.87	-1,932.90	-6,052.92	7,493.93	7,447.36	46.57	160.906		
5,800.00	5,669.52	5,017.10	4,988.39	29.57	21.89	164.12	-1,926.11	-6,063.48	7,518.76	7,471.29	47.47	158.399		
5,900.00	5,768.62	5,786.61	5,753.62	30.03	25.26	164.67	-1,902.89	-6,099.62	7,530.93	7,479.17	51.75	145.514		
6,000.00	5,868.13	5,886.12	5,853.13	30.45	25.65	164.74	-1,902.89	-6,099.62	7,540.41	7,487.83	52.58	143.397		
6,100.00	5,967.93	5,985.92	5,952.93	30.86	26.04	164.79	-1,902.89	-6,099.62	7,546.54	7,493.14	53.40	141.310		
6,200.00	6,067.88	6,085.87	6,052.88	31.24	26.43	164.81	-1,902.89	-6,099.62	7,549.31	7,495.10	54.21	139.254		
6,232.12	6,100.00	6,117.99	6,085.00	31.36	26.56	-104.48	-1,902.89	-6,099.62	7,549.48	7,495.02	54.47	138.608		
6,300.00	6,167.88	6,185.87	6,152.88	31.61	26.82	-104.48	-1,902.89	-6,099.62	7,549.48	7,494.49	54.99	137.276		
6,400.00	6,267.88	6,285.87	6,252.88	31.97	27.21	-104.48	-1,902.89	-6,099.62	7,549.48	7,493.71	55.78	135.355		
6,500.00	6,367.88	6,385.87	6,352.88	32.34	27.61	-104.48	-1,902.89	-6,099.62	7,549.48	7,492.93	56.56	133.483		
6,600.00	6,467.88	6,485.87	6,452.88	32.70	28.00	-104.48	-1,902.89	-6,099.62	7,549.48	7,492.14	57.34	131.657		
6,700.00	6,567.88	6,500.00	6,466.98	33.07	28.04	-104.49	-1,904.47	-6,099.62	7,550.37	7,492.64	57.72	130.807		
6,736.50	6,604.38	6,500.00	6,466.98	33.21	28.04	-104.49	-1,904.47	-6,099.62	7,550.87	7,493.03	57.84	130.551		
6,750.00	6,617.88	6,500.00	6,466.98	33.25	28.04	-17.40	-1,904.47	-6,099.62	7,550.96	7,493.08	57.88	130.460		
6,800.00	6,667.77	6,500.00	6,466.98	33.43	28.04	-17.45	-1,904.47	-6,099.62	7,549.14	7,491.13	58.02	130.120		
6,850.00	6,717.28	6,500.00	6,466.98	33.60	28.04	-17.59	-1,904.47	-6,099.62	7,543.92	7,485.78	58.14	129.755		
6,900.00	6,766.09	6,546.45	6,513.21	33.79	28.19	-17.89	-1,908.85	-6,099.62	7,534.81	7,476.38	58.44	128.940		
6,950.00	6,813.90	6,559.95	6,526.59	33.99	28.24	-18.27	-1,910.65	-6,099.62	7,522.53	7,463.94	58.59	128.396		
7,000.00	6,860.42	6,600.00	6,566.07	34.20	28.37	-18.83	-1,917.38	-6,099.62	7,507.06	7,448.23	58.84	127.593		
7,050.00	6,905.36	6,600.00	6,566.07	34.42	28.37	-19.44	-1,917.38	-6,099.62	7,488.03	7,429.13	58.91	127.115		
7,100.00	6,948.45	6,600.00	6,566.07	34.67	28.37	-20.19	-1,917.38	-6,099.62	7,465.91	7,406.94	58.97	126.613		
7,150.00	6,989.41	6,600.00	6,566.07	34.94	28.37	-21.11	-1,917.38	-6,099.62	7,440.80	7,381.78	59.01	126.085		
7,200.00	7,028.00	6,600.00	6,566.07	35.24	28.37	-22.23	-1,917.38	-6,099.62	7,412.82	7,353.77	59.05	125.528		
7,250.00	7,063.98	6,600.00	6,566.07	35.56	28.37	-23.60	-1,917.38	-6,099.62	7,382.13	7,323.04	59.08	124.941		
7,300.00	7,097.13	6,637.74	6,602.90	35.92	28.47	-25.47	-1,925.61	-6,099.62	7,348.52	7,289.27	59.26	124.010		
7,350.00	7,127.23	6,645.71	6,610.62	36.32	28.50	-27.58	-1,927.58	-6,099.62	7,312.71	7,253.39	59.31	123.287		
7,400.00	7,154.12	6,652.76	6,617.43	36.75	28.52	-30.19	-1,929.39	-6,099.62	7,274.68	7,215.31	59.37	122.534		
7,450.00	7,177.61	6,658.85	6,623.30	37.22	28.53	-33.41	-1,931.00	-6,099.62	7,234.64	7,175.22	59.42	121.750		
7,500.00	7,197.57	6,663.96	6,628.23	37.73	28.55	-37.45	-1,932.39	-6,099.62	7,192.82	7,133.34	59.48	120.934		
7,550.00	7,213.88	6,700.00	6,662.62	38.28	28.65	-43.00	-1,943.12	-6,099.61	7,149.72	7,090.05	59.67	119.830		
7,600.00	7,226.42	6,700.00	6,662.62	38.87	28.65	-49.49	-1,943.12	-6,099.61	7,105.02	7,045.30	59.72	118.975		
7,650.00	7,235.13	6,700.00	6,662.62	39.48	28.65	-57.67	-1,943.12	-6,099.61	7,059.29	6,999.51	59.78	118.082		
7,700.00	7,239.95	6,700.00	6,662.62	40.12	28.65	-67.74	-1,943.12	-6,099.61	7,012.81	6,952.95	59.86	117.152		
7,735.44	7,241.00	6,700.00	6,662.62	40.59	28.65	-75.96	-1,943.12	-6,099.61	6,979.56	6,919.63	59.93	116.471		
7,800.00	7,241.11	6,700.00	6,662.62	41.47	28.65	-75.96	-1,943.12	-6,099.61	6,918.86	6,858.81	60.05	115.209		
7,900.00	7,241.27	6,700.00	6,662.62	42.96	28.65	-75.96	-1,943.12	-6,099.61	6,824.98	6,764.69	60.29	113.208		
8,000.00	7,241.44	6,700.00	6,662.62	44.59	28.65	-75.96	-1,943.12	-6,099.61	6,731.28	6,670.71	60.56	111.147		
8,100.00	7,241.61	6,700.00	6,662.62	46.34	28.65	-75.96	-1,943.12	-6,099.61	6,637.76	6,576.88	60.88	109.029		
8,200.00	7,241.77	6,700.00	6,662.62	48.20	28.65	-75.96	-1,943.12	-6,099.61	6,544.43	6,483.18	61.25	106.856		
8,300.00	7,241.94	6,700.00	6,662.62	50.16	28.65	-75.96	-1,943.12	-6,099.61	6,451.30	6,389.64	61.66	104.628		
8,400.00	7,242.11	6,700.00	6,662.62	52.20	28.65	-75.96	-1,943.12	-6,099.61	6,358.38	6,296.25	62.12	102.350		
8,500.00	7,242.27	6,700.00	6,662.62	54.31	28.65	-75.96	-1,943.12	-6,099.61	6,265.68	6,203.03	62.64	100.024		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Harvesters Resources #15R-323(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 1200-MWD															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
8,600.00	7,242.44	6,700.00	6,662.62	56.49	28.65	-75.96	-1,943.12	-6,099.61	6,173.20	6,109.99	63.21	97.654					
8,700.00	7,242.60	6,700.00	6,662.62	58.73	28.65	-75.96	-1,943.12	-6,099.61	6,080.97	6,017.12	63.85	95.245					
8,800.00	7,242.77	6,700.00	6,662.62	61.03	28.65	-75.96	-1,943.12	-6,099.61	5,988.98	5,924.44	64.54	92.801					
8,900.00	7,242.94	6,700.00	6,662.62	63.37	28.65	-75.96	-1,943.12	-6,099.61	5,897.25	5,831.96	65.29	90.328					
9,000.00	7,243.10	6,700.00	6,662.62	65.75	28.65	-75.96	-1,943.12	-6,099.61	5,805.80	5,739.70	66.10	87.830					
9,100.00	7,243.27	6,700.00	6,662.62	68.18	28.65	-75.96	-1,943.12	-6,099.61	5,714.63	5,647.65	66.98	85.313					
9,200.00	7,243.44	6,700.00	6,662.62	70.63	28.65	-75.96	-1,943.12	-6,099.61	5,623.77	5,555.83	67.93	82.783					
9,300.00	7,243.60	6,700.00	6,662.62	73.12	28.65	-75.96	-1,943.12	-6,099.61	5,533.22	5,464.26	68.95	80.247					
9,400.00	7,243.77	6,700.00	6,662.62	75.63	28.65	-75.96	-1,943.12	-6,099.61	5,443.00	5,372.95	70.04	77.709					
9,500.00	7,243.94	6,700.00	6,662.62	78.17	28.65	-75.96	-1,943.12	-6,099.61	5,353.12	5,281.91	71.21	75.175					
9,600.00	7,244.10	6,700.00	6,662.62	80.73	28.65	-75.96	-1,943.12	-6,099.61	5,263.62	5,191.17	72.45	72.652					
9,700.00	7,244.27	6,700.00	6,662.62	83.31	28.65	-75.96	-1,943.12	-6,099.61	5,174.49	5,100.72	73.77	70.144					
9,800.00	7,244.44	6,700.00	6,662.62	85.91	28.65	-75.96	-1,943.12	-6,099.61	5,085.77	5,010.60	75.17	67.658					
9,900.00	7,244.60	6,700.00	6,662.62	88.53	28.65	-75.96	-1,943.12	-6,099.61	4,997.48	4,920.83	76.65	65.198					
10,000.00	7,244.77	6,700.00	6,662.62	91.16	28.65	-75.96	-1,943.12	-6,099.61	4,909.64	4,831.42	78.22	62.768					
10,100.00	7,244.94	6,700.00	6,662.62	93.81	28.65	-75.96	-1,943.12	-6,099.61	4,822.27	4,742.39	79.87	60.374					
10,200.00	7,245.10	6,700.00	6,662.62	96.46	28.65	-75.96	-1,943.12	-6,099.61	4,735.40	4,653.78	81.62	58.020					
10,300.00	7,245.27	6,700.00	6,662.62	99.14	28.65	-75.96	-1,943.12	-6,099.61	4,649.05	4,565.60	83.45	55.708					
10,400.00	7,245.43	6,665.39	6,629.59	101.82	28.55	-75.12	-1,932.78	-6,099.62	4,562.77	4,477.72	85.05	53.650					
10,500.00	7,245.60	6,665.06	6,629.28	104.51	28.55	-75.11	-1,932.69	-6,099.62	4,477.55	4,390.49	87.06	51.430					
10,600.00	7,245.77	6,664.74	6,628.97	107.21	28.55	-75.11	-1,932.61	-6,099.62	4,392.96	4,303.78	89.18	49.261					
10,700.00	7,245.93	6,664.41	6,628.66	109.92	28.55	-75.10	-1,932.52	-6,099.62	4,309.03	4,217.63	91.40	47.147					
10,800.00	7,246.10	6,664.09	6,628.35	112.64	28.55	-75.09	-1,932.43	-6,099.62	4,225.79	4,132.07	93.72	45.090					
10,900.00	7,246.27	6,663.77	6,628.04	115.37	28.55	-75.08	-1,932.34	-6,099.62	4,143.30	4,047.15	96.15	43.091					
11,000.00	7,246.43	6,663.45	6,627.73	118.10	28.55	-75.07	-1,932.25	-6,099.62	4,061.60	3,962.90	98.70	41.152					
11,100.00	7,246.60	6,663.13	6,627.43	120.84	28.54	-75.07	-1,932.16	-6,099.62	3,980.73	3,879.37	101.36	39.274					
11,200.00	7,246.77	6,662.81	6,627.12	123.58	28.54	-75.06	-1,932.08	-6,099.62	3,900.75	3,796.61	104.14	37.458					
11,300.00	7,246.93	6,662.50	6,626.82	126.34	28.54	-75.05	-1,931.99	-6,099.62	3,821.71	3,714.67	107.04	35.705					
11,340.34	7,247.00	6,662.37	6,626.69	127.45	28.54	-75.05	-1,931.96	-6,099.62	3,790.10	3,681.86	108.24	35.015					
11,400.00	7,247.10	6,662.23	6,626.56	129.09	28.54	-74.65	-1,931.92	-6,099.62	3,743.30	3,633.26	110.04	34.019					
11,500.00	7,247.27	6,662.18	6,626.51	131.84	28.54	-73.93	-1,931.90	-6,099.62	3,664.00	3,550.97	113.03	32.417					
11,586.15	7,247.43	6,662.34	6,626.66	134.20	28.54	-73.27	-1,931.95	-6,099.62	3,594.86	3,479.27	115.58	31.102					
11,600.00	7,247.45	6,662.38	6,626.70	134.57	28.54	-73.27	-1,931.96	-6,099.62	3,583.68	3,467.69	115.99	30.896					
11,700.00	7,247.64	6,662.67	6,626.98	137.31	28.54	-73.28	-1,932.04	-6,099.62	3,503.63	3,384.60	119.03	29.436					
11,800.00	7,247.82	6,662.96	6,627.26	140.05	28.54	-73.29	-1,932.12	-6,099.62	3,424.61	3,302.42	122.19	28.027					
11,900.00	7,248.00	6,663.25	6,627.54	142.79	28.55	-73.30	-1,932.20	-6,099.62	3,346.73	3,221.24	125.49	26.670					
12,000.00	7,248.18	6,663.54	6,627.82	145.53	28.55	-73.31	-1,932.28	-6,099.62	3,270.04	3,141.12	128.92	25.364					
12,100.00	7,248.37	6,663.83	6,628.10	148.28	28.55	-73.31	-1,932.36	-6,099.62	3,194.65	3,062.15	132.50	24.111					
12,200.00	7,248.55	6,664.12	6,628.38	151.04	28.55	-73.32	-1,932.44	-6,099.62	3,120.63	2,984.42	136.21	22.910					
12,300.00	7,248.73	6,664.42	6,628.66	153.80	28.55	-73.33	-1,932.52	-6,099.62	3,048.10	2,908.04	140.07	21.762					
12,400.00	7,248.91	6,664.71	6,628.95	156.56	28.55	-73.34	-1,932.60	-6,099.62	2,977.17	2,833.10	144.06	20.666					
12,500.00	7,249.10	6,665.01	6,629.23	159.32	28.55	-73.35	-1,932.68	-6,099.62	2,907.94	2,759.74	148.20	19.622					
12,600.00	7,249.28	6,665.30	6,629.51	162.09	28.55	-73.35	-1,932.76	-6,099.62	2,840.55	2,688.07	152.47	18.630					
12,700.00	7,249.46	6,700.00	6,662.62	164.86	28.65	-74.29	-1,943.12	-6,099.61	2,775.94	2,618.36	157.58	17.616					
12,800.00	7,249.64	6,700.00	6,662.62	167.63	28.65	-74.29	-1,943.12	-6,099.61	2,712.63	2,550.50	162.13	16.732					
12,900.00	7,249.83	6,700.00	6,662.62	170.40	28.65	-74.29	-1,943.12	-6,099.61	2,651.58	2,484.80	166.78	15.898					
13,000.00	7,250.01	6,700.00	6,662.62	173.18	28.65	-74.29	-1,943.12	-6,099.61	2,592.95	2,421.41	171.54	15.116					
13,100.00	7,250.19	6,700.00	6,662.62	175.96	28.65	-74.29	-1,943.12	-6,099.61	2,536.90	2,360.53	176.37	14.384					
13,200.00	7,250.37	6,700.00	6,662.62	178.74	28.65	-74.29	-1,943.12	-6,099.61	2,483.62	2,302.35	181.27	13.701					
13,300.00	7,250.56	6,700.00	6,662.62	181.52	28.65	-74.29	-1,943.12	-6,099.61	2,433.29	2,247.09	186.20	13.068					
13,400.00	7,250.74	6,700.00	6,662.62	184.31	28.65	-74.29	-1,943.12	-6,099.61	2,386.08	2,194.95	191.13	12.484					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,500.00	7,250.92	6,700.00	6,662.62	187.09	28.65	-74.29	-1,943.12	-6,099.61	2,342.20	2,146.15	196.04	11.947		
13,600.00	7,251.10	6,700.00	6,662.62	189.88	28.65	-74.29	-1,943.12	-6,099.61	2,301.82	2,100.94	200.89	11.458		
13,700.00	7,251.29	6,700.00	6,662.62	192.67	28.65	-74.29	-1,943.12	-6,099.61	2,265.15	2,059.52	205.62	11.016		
13,800.00	7,251.47	6,700.00	6,662.62	195.47	28.65	-74.29	-1,943.12	-6,099.61	2,232.35	2,022.14	210.21	10.620		
13,900.00	7,251.65	6,700.00	6,662.62	198.26	28.65	-74.29	-1,943.12	-6,099.61	2,203.61	1,989.01	214.60	10.268		
14,000.00	7,251.83	6,700.00	6,662.62	201.05	28.65	-74.29	-1,943.12	-6,099.61	2,179.08	1,960.33	218.75	9.961		
14,100.00	7,252.01	6,700.00	6,662.62	203.85	28.65	-74.29	-1,943.12	-6,099.61	2,158.91	1,936.30	222.61	9.698		
14,200.00	7,252.20	6,700.00	6,662.62	206.65	28.65	-74.29	-1,943.12	-6,099.61	2,143.23	1,917.08	226.14	9.477		
14,300.00	7,252.38	6,700.00	6,662.62	209.45	28.65	-74.29	-1,943.12	-6,099.61	2,132.12	1,902.81	229.30	9.298		
14,400.00	7,252.56	6,700.00	6,662.62	212.25	28.65	-74.29	-1,943.12	-6,099.61	2,125.66	1,893.60	232.06	9.160		
14,487.48	7,252.72	6,700.00	6,662.62	214.70	28.65	-74.29	-1,943.12	-6,099.61	2,123.86	1,889.74	234.12	9.072 CC		
14,500.00	7,252.74	6,700.00	6,662.62	215.05	28.65	-74.29	-1,943.12	-6,099.61	2,123.89	1,889.51	234.39	9.061 ES		
14,600.00	7,252.93	6,700.00	6,662.62	217.86	28.65	-74.29	-1,943.12	-6,099.61	2,126.84	1,890.56	236.27	9.002		
14,700.00	7,253.11	6,700.00	6,662.62	220.66	28.65	-74.29	-1,943.12	-6,099.61	2,134.46	1,896.76	237.70	8.980 SF		
14,800.00	7,253.29	6,700.00	6,662.62	223.47	28.65	-74.29	-1,943.12	-6,099.61	2,146.73	1,908.05	238.68	8.994		
14,900.00	7,253.47	6,700.00	6,662.62	226.27	28.65	-74.29	-1,943.12	-6,099.61	2,163.55	1,924.34	239.21	9.044		
15,000.00	7,253.66	6,700.00	6,662.62	229.08	28.65	-74.29	-1,943.12	-6,099.61	2,184.82	1,945.50	239.32	9.129		
15,100.00	7,253.84	6,700.00	6,662.62	231.89	28.65	-74.29	-1,943.12	-6,099.61	2,210.42	1,971.39	239.02	9.248		
15,200.00	7,254.02	6,700.00	6,662.62	234.70	28.65	-74.29	-1,943.12	-6,099.61	2,240.19	2,001.83	238.36	9.398		
15,300.00	7,254.20	6,700.00	6,662.62	237.51	28.65	-74.29	-1,943.12	-6,099.61	2,273.97	2,036.62	237.35	9.581		
15,400.00	7,254.39	6,700.00	6,662.62	240.32	28.65	-74.29	-1,943.12	-6,099.61	2,311.59	2,075.55	236.04	9.793		
15,500.00	7,254.57	6,700.00	6,662.62	243.13	28.65	-74.29	-1,943.12	-6,099.61	2,352.86	2,118.40	234.46	10.035		
15,600.00	7,254.75	6,700.00	6,662.62	245.94	28.65	-74.29	-1,943.12	-6,099.61	2,397.60	2,164.94	232.66	10.305		
15,700.00	7,254.93	6,700.00	6,662.62	248.76	28.65	-74.29	-1,943.12	-6,099.61	2,445.60	2,214.94	230.66	10.603		
15,800.00	7,255.12	6,700.00	6,662.62	251.57	28.65	-74.29	-1,943.12	-6,099.61	2,496.69	2,268.19	228.50	10.926		
15,900.00	7,255.30	6,700.00	6,662.62	254.39	28.65	-74.29	-1,943.12	-6,099.61	2,550.68	2,324.46	226.22	11.275		
16,000.00	7,255.48	6,700.00	6,662.62	257.20	28.65	-74.29	-1,943.12	-6,099.61	2,607.39	2,383.55	223.84	11.649		
16,100.00	7,255.66	6,700.00	6,662.62	260.02	28.65	-74.29	-1,943.12	-6,099.61	2,666.64	2,445.26	221.38	12.046		
16,200.00	7,255.85	6,700.00	6,662.62	262.84	28.65	-74.29	-1,943.12	-6,099.61	2,728.28	2,509.40	218.87	12.465		
16,300.00	7,256.03	6,700.00	6,662.62	265.65	28.65	-74.29	-1,943.12	-6,099.61	2,792.13	2,575.79	216.34	12.906		
16,400.00	7,256.21	6,700.00	6,662.62	268.47	28.65	-74.29	-1,943.12	-6,099.61	2,858.06	2,644.27	213.79	13.369		
16,500.00	7,256.39	6,700.00	6,662.62	271.29	28.65	-74.29	-1,943.12	-6,099.61	2,925.92	2,714.68	211.24	13.851		
16,600.00	7,256.58	6,700.00	6,662.62	274.11	28.65	-74.29	-1,943.12	-6,099.61	2,995.58	2,786.87	208.71	14.353		
16,700.00	7,256.76	6,700.00	6,662.62	276.93	28.65	-74.29	-1,943.12	-6,099.61	3,066.92	2,860.71	206.21	14.873		
16,800.00	7,256.94	6,700.00	6,662.62	279.75	28.65	-74.29	-1,943.12	-6,099.61	3,139.83	2,936.09	203.74	15.411		
16,900.00	7,257.12	6,700.00	6,662.62	282.57	28.65	-74.29	-1,943.12	-6,099.61	3,214.19	3,012.88	201.31	15.967		
17,000.00	7,257.30	6,700.00	6,662.62	285.40	28.65	-74.29	-1,943.12	-6,099.61	3,289.91	3,090.99	198.92	16.539		
17,100.00	7,257.49	6,700.00	6,662.62	288.22	28.65	-74.29	-1,943.12	-6,099.61	3,366.90	3,170.31	196.59	17.126		
17,200.00	7,257.67	6,700.00	6,662.62	291.04	28.65	-74.29	-1,943.12	-6,099.61	3,445.07	3,250.76	194.31	17.730		
17,300.00	7,257.85	6,700.00	6,662.62	293.87	28.65	-74.29	-1,943.12	-6,099.61	3,524.35	3,332.26	192.09	18.347		
17,400.00	7,258.03	6,700.00	6,662.62	296.69	28.65	-74.29	-1,943.12	-6,099.61	3,604.65	3,414.73	189.92	18.979		
17,500.00	7,258.22	6,700.00	6,662.62	299.51	28.65	-74.29	-1,943.12	-6,099.61	3,685.92	3,498.11	187.82	19.625		
17,600.00	7,258.40	6,700.00	6,662.62	302.34	28.65	-74.29	-1,943.12	-6,099.61	3,768.10	3,582.33	185.77	20.284		
17,700.00	7,258.58	6,700.00	6,662.62	305.16	28.65	-74.29	-1,943.12	-6,099.61	3,851.11	3,667.33	183.78	20.955		
17,800.00	7,258.76	6,700.00	6,662.62	307.99	28.65	-74.29	-1,943.12	-6,099.61	3,934.91	3,753.06	181.85	21.638		
17,900.00	7,258.95	6,700.00	6,662.62	310.82	28.65	-74.29	-1,943.12	-6,099.61	4,019.46	3,839.48	179.98	22.333		
18,000.00	7,259.13	6,700.00	6,662.62	313.64	28.65	-74.29	-1,943.12	-6,099.61	4,104.70	3,926.54	178.16	23.039		
18,100.00	7,259.31	6,700.00	6,662.62	316.47	28.65	-74.29	-1,943.12	-6,099.61	4,190.59	4,014.19	176.40	23.756		
18,200.00	7,259.49	6,700.00	6,662.62	319.30	28.65	-74.29	-1,943.12	-6,099.61	4,277.10	4,102.40	174.69	24.483		
18,300.00	7,259.68	6,700.00	6,662.62	322.12	28.65	-74.29	-1,943.12	-6,099.61	4,364.18	4,191.14	173.04	25.220		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Harvesters Resources #15R-323(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N-S	Offset Wellbore Centre +E-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)			
18,400.00	7,259.86	6,700.00	6,662.62	324.95	28.65	-74.29	-1,943.12	-6,099.61	4,451.81	4,280.37	171.44	25.967		
18,500.00	7,260.04	6,700.00	6,662.62	327.78	28.65	-74.29	-1,943.12	-6,099.61	4,539.94	4,370.05	169.89	26.723		
18,600.00	7,260.22	6,700.00	6,662.62	330.61	28.65	-74.29	-1,943.12	-6,099.61	4,628.56	4,460.17	168.39	27.488		
18,700.00	7,260.41	6,700.00	6,662.62	333.44	28.65	-74.29	-1,943.12	-6,099.61	4,717.64	4,550.70	166.93	28.261		
18,800.00	7,260.59	6,700.00	6,662.62	336.27	28.65	-74.29	-1,943.12	-6,099.61	4,807.14	4,641.62	165.52	29.042		
18,900.00	7,260.77	6,700.00	6,662.62	339.10	28.65	-74.29	-1,943.12	-6,099.61	4,897.05	4,732.89	164.16	29.831		
19,000.00	7,260.95	6,700.00	6,662.62	341.93	28.65	-74.29	-1,943.12	-6,099.61	4,987.34	4,824.51	162.84	30.628		
19,025.91	7,261.00	6,700.00	6,662.62	342.66	28.65	-74.29	-1,943.12	-6,099.61	5,010.80	4,848.30	162.50	30.835		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-110.98	-2,183.00	-5,694.27	6,098.38					
100.00	100.00	85.00	85.00	3.28	3.29	-110.98	-2,183.00	-5,694.27	6,098.38	6,091.81	6.57	928.215		
200.00	200.00	185.00	185.00	3.34	3.31	-110.98	-2,183.00	-5,694.27	6,098.38	6,091.73	6.64	918.145		
300.00	299.98	284.98	284.98	3.44	3.34	158.31	-2,183.00	-5,694.27	6,100.00	6,093.22	6.78	899.461		
400.00	399.84	384.84	384.84	3.60	3.39	158.29	-2,183.00	-5,694.27	6,104.86	6,097.87	6.99	873.768		
500.00	499.45	484.45	484.45	3.81	3.45	158.26	-2,183.00	-5,694.27	6,112.96	6,105.71	7.25	842.839		
600.00	598.70	583.70	583.70	4.05	3.52	158.22	-2,183.00	-5,694.27	6,124.29	6,116.72	7.57	808.699		
700.00	697.47	682.47	682.47	4.34	3.61	158.16	-2,183.00	-5,694.27	6,138.84	6,130.90	7.94	773.059		
800.00	795.62	780.62	780.62	4.66	3.70	158.10	-2,183.00	-5,694.27	6,156.59	6,148.24	8.35	737.232		
849.22	843.68	828.68	828.68	4.84	3.75	158.06	-2,183.00	-5,694.27	6,166.50	6,157.93	8.57	719.605		
900.00	893.16	878.16	878.16	5.02	3.80	158.10	-2,183.00	-5,694.27	6,177.12	6,168.32	8.80	702.147		
1,000.00	990.60	866.97	866.96	5.41	3.87	158.09	-2,182.72	-5,695.00	6,199.59	6,190.37	9.21	673.038		
1,100.00	1,088.05	900.00	899.98	5.83	3.94	158.12	-2,182.38	-5,695.90	6,222.70	6,213.04	9.66	644.351		
1,200.00	1,185.49	940.42	940.36	6.26	4.04	158.17	-2,181.78	-5,697.48	6,246.76	6,236.62	10.14	616.179		
1,300.00	1,282.93	1,000.00	999.84	6.70	4.20	158.24	-2,180.52	-5,700.79	6,271.87	6,261.19	10.68	586.987		
1,400.00	1,380.37	1,000.00	999.84	7.15	4.20	158.24	-2,180.52	-5,700.79	6,297.73	6,286.65	11.08	568.400		
1,500.00	1,477.82	1,048.70	1,048.39	7.62	4.34	158.30	-2,179.16	-5,704.35	6,324.56	6,312.94	11.62	544.287		
1,600.00	1,575.26	1,100.00	1,099.45	8.09	4.49	158.37	-2,177.42	-5,708.94	6,352.41	6,340.23	12.18	521.625		
1,700.00	1,672.70	1,100.00	1,099.45	8.57	4.49	158.37	-2,177.42	-5,708.94	6,381.15	6,368.57	12.58	507.189		
1,800.00	1,770.15	1,154.51	1,153.61	9.05	4.67	158.45	-2,175.21	-5,714.74	6,410.70	6,397.54	13.16	486.988		
1,900.00	1,867.59	1,200.00	1,198.70	9.54	4.82	158.52	-2,173.08	-5,720.32	6,441.26	6,427.54	13.72	469.360		
2,000.00	1,965.03	1,223.57	1,222.03	10.03	4.91	158.56	-2,171.88	-5,723.48	6,472.67	6,458.46	14.21	455.498		
2,100.00	2,062.48	1,283.80	1,281.55	10.53	5.13	158.66	-2,168.60	-5,732.08	6,504.92	6,490.08	14.84	438.480		
2,200.00	2,159.92	1,376.84	1,373.48	11.03	5.49	158.82	-2,163.51	-5,745.46	6,537.34	6,521.74	15.60	419.050		
2,300.00	2,257.36	1,469.87	1,465.41	11.53	5.88	158.97	-2,158.42	-5,758.84	6,569.81	6,553.43	16.39	400.931		
2,400.00	2,354.81	1,562.91	1,557.33	12.03	6.28	159.12	-2,153.32	-5,772.22	6,602.33	6,585.14	17.19	384.135		
2,500.00	2,452.25	1,655.94	1,649.26	12.54	6.70	159.28	-2,148.23	-5,785.60	6,634.88	6,616.88	18.00	368.572		
2,600.00	2,549.69	1,748.98	1,741.19	13.04	7.13	159.43	-2,143.14	-5,798.98	6,667.48	6,648.66	18.83	354.152		
2,700.00	2,647.13	1,842.02	1,833.12	13.55	7.57	159.58	-2,138.04	-5,812.36	6,700.12	6,680.46	19.66	340.787		
2,800.00	2,744.58	1,935.05	1,925.05	14.06	8.01	159.72	-2,132.95	-5,825.74	6,732.81	6,712.30	20.50	328.387		
2,900.00	2,842.02	2,028.09	2,016.97	14.57	8.46	159.87	-2,127.85	-5,839.12	6,765.53	6,744.18	21.35	316.870		
3,000.00	2,939.46	2,121.13	2,108.90	15.09	8.92	160.01	-2,122.76	-5,852.50	6,798.29	6,776.09	22.21	306.157		
3,100.00	3,036.91	2,214.16	2,200.83	15.60	9.39	160.16	-2,117.67	-5,865.88	6,831.10	6,808.03	23.06	296.178		
3,200.00	3,134.35	2,307.20	2,292.76	16.11	9.85	160.30	-2,112.57	-5,879.26	6,863.94	6,840.01	23.93	286.868		
3,300.00	3,231.79	2,400.23	2,384.69	16.63	10.33	160.44	-2,107.48	-5,892.64	6,896.82	6,872.02	24.79	278.167		
3,400.00	3,329.24	2,506.73	2,476.61	17.14	10.87	160.58	-2,102.38	-5,906.02	6,929.74	6,904.01	25.73	269.374		
3,500.00	3,426.68	2,586.31	2,568.54	17.66	11.28	160.72	-2,097.29	-5,919.40	6,962.69	6,936.16	26.54	262.386		
3,600.00	3,524.12	2,679.34	2,660.47	18.18	11.76	160.86	-2,092.20	-5,932.78	6,995.69	6,968.28	27.41	255.215		
3,700.00	3,621.57	2,772.38	2,752.40	18.69	12.24	160.99	-2,087.10	-5,946.16	7,028.72	7,000.43	28.29	248.471		
3,800.00	3,719.01	2,865.41	2,844.33	19.21	12.72	161.13	-2,082.01	-5,959.54	7,061.78	7,032.61	29.17	242.119		
3,900.00	3,816.45	2,958.45	2,936.26	19.73	13.21	161.26	-2,076.92	-5,972.92	7,094.88	7,064.83	30.05	236.127		
4,000.00	3,913.90	3,051.49	3,028.18	20.25	13.69	161.39	-2,071.82	-5,986.30	7,128.02	7,097.09	30.93	230.467		
4,100.00	4,011.34	3,144.52	3,120.11	20.77	14.18	161.52	-2,066.73	-5,999.68	7,161.19	7,129.38	31.81	225.113		
4,200.00	4,108.78	3,237.56	3,212.04	21.29	14.67	161.65	-2,061.63	-6,013.06	7,194.39	7,161.70	32.70	220.042		
4,300.00	4,206.22	3,330.60	3,303.97	21.81	15.16	161.78	-2,056.54	-6,026.44	7,227.63	7,194.05	33.58	215.233		
4,400.00	4,303.67	3,423.63	3,395.90	22.33	15.65	161.91	-2,051.45	-6,039.82	7,260.90	7,226.43	34.47	210.666		
4,500.00	4,401.11	3,516.67	3,487.82	22.85	16.14	162.04	-2,046.35	-6,053.20	7,294.20	7,258.85	35.35	206.325		
4,600.00	4,498.55	3,609.70	3,579.75	23.37	16.64	162.16	-2,041.26	-6,066.58	7,327.54	7,291.30	36.24	202.193		
4,700.00	4,596.00	3,702.74	3,671.68	23.89	17.13	162.28	-2,036.17	-6,079.96	7,360.90	7,323.77	37.13	198.257		
4,800.00	4,693.44	3,804.22	3,763.61	24.41	17.67	162.41	-2,031.07	-6,093.34	7,394.30	7,356.24	38.06	194.297		
4,900.00	4,790.88	3,888.81	3,855.54	24.93	18.12	162.53	-2,025.98	-6,106.72	7,427.73	7,388.82	38.91	190.917		

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Harvesters Resources #15R-403(PR) - OH - OH														Offset Site Error:	0.00 ft
Survey Program: 800-MWD														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,888.33	3,981.85	3,947.46	25.46	18.62	162.65	-2,020.88	-6,120.10	7,461.19	7,421.39	39.79	187.492			
5,100.00	4,985.77	4,074.89	4,039.39	25.98	19.11	162.77	-2,015.79	-6,133.48	7,494.68	7,453.99	40.68	184.215			
5,200.00	5,083.21	4,167.92	4,131.32	26.50	19.61	162.89	-2,010.70	-6,146.86	7,528.20	7,486.62	41.57	181.078			
5,300.00	5,180.66	4,260.96	4,223.25	27.02	20.11	163.01	-2,005.60	-6,160.24	7,561.74	7,519.28	42.46	178.071			
5,400.00	5,278.10	4,353.99	4,315.18	27.55	20.60	163.12	-2,000.51	-6,173.62	7,595.32	7,551.97	43.36	175.188			
5,500.00	5,375.54	4,447.03	4,407.10	28.07	21.10	163.24	-1,995.41	-6,187.00	7,628.93	7,584.68	44.25	172.421			
5,582.90	5,456.32	4,524.16	4,483.31	28.50	21.51	163.33	-1,991.19	-6,198.09	7,656.80	7,611.82	44.98	170.210			
5,600.00	5,473.00	4,540.08	4,499.05	28.59	21.60	163.39	-1,990.32	-6,200.38	7,662.51	7,617.38	45.14	169.763			
5,700.00	5,570.93	4,633.94	4,591.79	29.10	22.10	163.69	-1,985.18	-6,213.88	7,694.05	7,648.02	46.03	167.170			
5,800.00	5,669.52	4,728.93	4,685.64	29.57	22.61	163.95	-1,979.98	-6,227.54	7,722.41	7,675.50	46.91	164.619			
5,900.00	5,768.62	4,824.93	4,780.51	30.03	23.13	164.19	-1,974.72	-6,241.34	7,747.56	7,699.77	47.79	162.107			
6,000.00	5,868.13	4,921.84	4,876.26	30.45	23.65	164.39	-1,969.42	-6,255.28	7,769.47	7,720.80	48.67	159.634			
6,100.00	5,967.93	5,019.52	4,972.78	30.86	24.17	164.57	-1,964.07	-6,269.33	7,788.10	7,738.56	49.54	157.201			
6,200.00	6,067.88	5,117.87	5,069.96	31.24	24.70	164.73	-1,958.69	-6,283.47	7,803.43	7,753.02	50.41	154.807			
6,232.12	6,100.00	5,149.59	5,101.29	31.36	24.87	-104.52	-1,956.95	-6,288.03	7,807.65	7,756.97	50.68	154.058			
6,300.00	6,167.88	5,216.66	5,167.56	31.61	25.23	-104.48	-1,953.28	-6,297.68	7,816.20	7,764.95	51.25	152.513			
6,400.00	6,267.88	5,315.46	5,265.19	31.97	25.76	-104.41	-1,947.87	-6,311.89	7,828.81	7,776.72	52.09	150.291			
6,500.00	6,367.88	5,414.27	5,362.83	32.34	26.30	-104.35	-1,942.46	-6,326.10	7,841.43	7,788.50	52.93	148.136			
6,600.00	6,467.88	5,513.08	5,460.46	32.70	26.83	-104.28	-1,937.05	-6,340.31	7,854.07	7,800.29	53.78	146.044			
6,700.00	6,567.88	5,611.89	5,558.09	33.07	27.36	-104.22	-1,931.64	-6,354.52	7,866.71	7,812.08	54.63	144.012			
6,736.50	6,604.38	6,579.37	6,520.17	33.21	31.79	-103.88	-1,903.33	-6,430.23	7,870.43	7,810.68	59.75	131.714			
6,750.00	6,617.88	6,583.25	6,524.06	33.25	31.80	-16.79	-1,903.48	-6,430.23	7,870.42	7,810.61	59.81	131.581			
6,800.00	6,667.77	6,600.00	6,540.78	33.43	31.86	-16.86	-1,904.36	-6,430.23	7,868.14	7,808.11	60.03	131.064			
6,850.00	6,717.28	6,600.00	6,540.78	33.60	31.86	-17.01	-1,904.36	-6,430.23	7,862.37	7,802.20	60.17	130.671			
6,900.00	6,766.09	6,600.00	6,540.78	33.79	31.86	-17.26	-1,904.36	-6,430.23	7,853.20	7,792.91	60.29	130.255			
6,950.00	6,813.90	6,639.31	6,579.93	33.99	31.98	-17.66	-1,907.87	-6,430.23	7,840.33	7,779.79	60.55	129.495			
7,000.00	6,860.42	6,652.47	6,592.98	34.20	32.02	-18.16	-1,909.49	-6,430.23	7,824.24	7,763.55	60.69	128.922			
7,050.00	6,905.36	6,665.10	6,605.50	34.42	32.05	-18.78	-1,911.26	-6,430.23	7,804.87	7,744.05	60.82	128.328			
7,100.00	6,948.45	6,700.00	6,639.88	34.67	32.16	-19.63	-1,917.23	-6,430.23	7,782.43	7,721.41	61.02	127.531			
7,150.00	6,989.41	6,700.00	6,639.88	34.94	32.16	-20.56	-1,917.23	-6,430.23	7,756.74	7,695.65	61.08	126.986			
7,200.00	7,028.00	6,700.00	6,639.88	35.24	32.16	-21.69	-1,917.23	-6,430.23	7,728.18	7,667.05	61.13	126.416			
7,250.00	7,063.98	6,700.00	6,639.88	35.56	32.16	-23.06	-1,917.23	-6,430.23	7,696.91	7,635.74	61.18	125.818			
7,300.00	7,097.13	6,700.00	6,639.88	35.92	32.16	-24.73	-1,917.23	-6,430.23	7,663.09	7,601.88	61.21	125.190			
7,350.00	7,127.23	6,700.00	6,639.88	36.32	32.16	-26.79	-1,917.23	-6,430.23	7,626.89	7,565.65	61.24	124.532			
7,400.00	7,154.12	6,700.00	6,639.88	36.75	32.16	-29.33	-1,917.23	-6,430.23	7,588.50	7,527.23	61.28	123.840			
7,450.00	7,177.61	6,739.36	6,678.28	37.22	32.26	-32.84	-1,925.83	-6,430.23	7,547.77	7,486.32	61.45	122.825			
7,500.00	7,197.57	6,744.56	6,683.32	37.73	32.28	-36.96	-1,927.11	-6,430.23	7,505.53	7,444.02	61.51	122.023			
7,550.00	7,213.88	6,748.76	6,687.38	38.28	32.29	-42.20	-1,928.17	-6,430.23	7,461.77	7,400.20	61.57	121.193			
7,600.00	7,226.42	6,751.93	6,690.44	38.87	32.30	-48.90	-1,928.99	-6,430.23	7,416.75	7,355.11	61.63	120.333			
7,650.00	7,235.13	6,754.06	6,692.51	39.48	32.30	-57.43	-1,929.55	-6,430.23	7,370.71	7,309.01	61.71	119.447			
7,700.00	7,239.95	6,755.16	6,693.56	40.12	32.30	-68.03	-1,929.83	-6,430.23	7,323.94	7,262.16	61.79	118.535			
7,735.44	7,241.00	6,755.31	6,693.71	40.59	32.30	-76.70	-1,929.87	-6,430.23	7,290.50	7,228.65	61.85	117.874			
7,800.00	7,241.11	6,755.10	6,693.50	41.47	32.30	-76.69	-1,929.82	-6,430.23	7,229.45	7,167.48	61.97	116.654			
7,900.00	7,241.27	6,754.78	6,693.19	42.96	32.30	-76.68	-1,929.73	-6,430.23	7,135.02	7,072.83	62.20	114.720			
8,000.00	7,241.44	6,754.46	6,692.88	44.59	32.30	-76.68	-1,929.65	-6,430.23	7,040.74	6,978.29	62.45	112.733			
8,100.00	7,241.61	6,754.13	6,692.57	46.34	32.30	-76.67	-1,929.56	-6,430.23	6,946.63	6,883.87	62.76	110.694			
8,200.00	7,241.77	6,753.82	6,692.27	48.20	32.30	-76.66	-1,929.48	-6,430.23	6,852.67	6,789.58	63.10	108.603			
8,300.00	7,241.94	6,753.50	6,691.96	50.16	32.30	-76.65	-1,929.40	-6,430.23	6,758.90	6,695.41	63.49	106.463			
8,400.00	7,242.11	6,753.18	6,691.65	52.20	32.30	-76.65	-1,929.31	-6,430.23	6,665.30	6,601.38	63.92	104.276			
8,500.00	7,242.27	6,752.86	6,691.35	54.31	32.30	-76.64	-1,929.23	-6,430.23	6,571.89	6,507.49	64.40	102.044			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Harvesters Resources #15R-403(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 800-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
8,600.00	7,242.44	6,752.55	6,691.04	56.49	32.30	-76.63	-1,929.15	-6,430.23	6,478.68	6,413.74	64.94	99.770					
8,700.00	7,242.60	6,752.24	6,690.74	58.73	32.30	-76.62	-1,929.07	-6,430.23	6,385.67	6,320.15	65.52	97.459					
8,800.00	7,242.77	6,751.92	6,690.44	61.03	32.30	-76.61	-1,928.99	-6,430.23	6,292.88	6,226.72	66.16	95.113					
8,900.00	7,242.94	6,751.61	6,690.14	63.37	32.29	-76.61	-1,928.91	-6,430.23	6,200.31	6,133.46	66.86	92.738					
9,000.00	7,243.10	6,751.30	6,689.84	65.75	32.29	-76.60	-1,928.83	-6,430.23	6,107.98	6,040.37	67.61	90.336					
9,100.00	7,243.27	6,750.99	6,689.54	68.18	32.29	-76.59	-1,928.75	-6,430.23	6,015.89	5,947.46	68.43	87.914					
9,200.00	7,243.44	6,750.68	6,689.24	70.63	32.29	-76.58	-1,928.67	-6,430.23	5,924.06	5,854.75	69.31	85.476					
9,300.00	7,243.60	6,750.38	6,688.95	73.12	32.29	-76.58	-1,928.59	-6,430.23	5,832.50	5,762.25	70.25	83.027					
9,400.00	7,243.77	6,750.07	6,688.65	75.63	32.29	-76.57	-1,928.51	-6,430.23	5,741.21	5,669.96	71.26	80.572					
9,500.00	7,243.94	6,749.77	6,688.35	78.17	32.29	-76.56	-1,928.43	-6,430.23	5,650.23	5,577.90	72.33	78.116					
9,600.00	7,244.10	6,749.46	6,688.06	80.73	32.29	-76.56	-1,928.35	-6,430.23	5,559.55	5,486.07	73.48	75.665					
9,700.00	7,244.27	6,749.16	6,687.77	83.31	32.29	-76.55	-1,928.28	-6,430.23	5,469.20	5,394.50	74.69	73.222					
9,800.00	7,244.44	6,748.86	6,687.48	85.91	32.29	-76.54	-1,928.20	-6,430.23	5,379.19	5,303.20	75.98	70.794					
9,900.00	7,244.60	6,748.56	6,687.19	88.53	32.29	-76.53	-1,928.12	-6,430.23	5,289.53	5,212.18	77.35	68.384					
10,000.00	7,244.77	6,748.26	6,686.90	91.16	32.29	-76.53	-1,928.04	-6,430.23	5,200.26	5,121.46	78.80	65.997					
10,100.00	7,244.94	6,747.96	6,686.61	93.81	32.29	-76.52	-1,927.97	-6,430.23	5,111.38	5,031.06	80.32	63.638					
10,200.00	7,245.10	6,747.66	6,686.32	96.46	32.28	-76.51	-1,927.89	-6,430.23	5,022.92	4,940.99	81.93	61.309					
10,300.00	7,245.27	6,747.36	6,686.03	99.14	32.28	-76.50	-1,927.82	-6,430.23	4,934.90	4,851.28	83.62	59.016					
10,400.00	7,245.43	6,747.07	6,685.75	101.82	32.28	-76.50	-1,927.74	-6,430.23	4,847.35	4,761.95	85.40	56.761					
10,500.00	7,245.60	6,746.77	6,685.46	104.51	32.28	-76.49	-1,927.67	-6,430.23	4,760.28	4,673.02	87.27	54.547					
10,600.00	7,245.77	6,746.48	6,685.18	107.21	32.28	-76.48	-1,927.59	-6,430.23	4,673.74	4,584.51	89.23	52.378					
10,700.00	7,245.93	6,746.19	6,684.89	109.92	32.28	-76.48	-1,927.52	-6,430.23	4,587.74	4,496.45	91.29	50.255					
10,800.00	7,246.10	6,745.89	6,684.61	112.64	32.28	-76.47	-1,927.45	-6,430.23	4,502.32	4,408.87	93.45	48.181					
10,900.00	7,246.27	6,745.60	6,684.33	115.37	32.28	-76.46	-1,927.37	-6,430.23	4,417.51	4,321.81	95.70	46.158					
11,000.00	7,246.43	6,745.31	6,684.05	118.10	32.28	-76.45	-1,927.30	-6,430.23	4,333.35	4,235.28	98.07	44.188					
11,100.00	7,246.60	6,745.02	6,683.77	120.84	32.28	-76.45	-1,927.23	-6,430.23	4,249.87	4,149.34	100.54	42.272					
11,200.00	7,246.77	6,744.74	6,683.49	123.58	32.28	-76.44	-1,927.16	-6,430.23	4,167.13	4,064.01	103.12	40.412					
11,300.00	7,246.93	6,744.45	6,683.21	126.34	32.28	-76.43	-1,927.08	-6,430.23	4,085.15	3,979.34	105.81	38.608					
11,340.34	7,247.00	6,744.33	6,683.10	127.45	32.28	-76.43	-1,927.05	-6,430.23	4,052.31	3,945.38	106.93	37.896					
11,400.00	7,247.10	6,744.20	6,682.97	129.09	32.28	-76.02	-1,927.02	-6,430.23	4,003.64	3,895.04	108.60	36.867					
11,500.00	7,247.27	6,744.17	6,682.94	131.84	32.28	-75.29	-1,927.01	-6,430.23	3,921.17	3,809.81	111.37	35.209					
11,586.15	7,247.43	6,744.32	6,683.08	134.20	32.28	-74.61	-1,927.05	-6,430.23	3,849.26	3,735.53	113.72	33.847					
11,600.00	7,247.45	6,744.35	6,683.12	134.57	32.28	-74.61	-1,927.06	-6,430.23	3,837.63	3,723.53	114.10	33.633					
11,700.00	7,247.64	6,744.63	6,683.38	137.31	32.28	-74.62	-1,927.13	-6,430.23	3,754.19	3,637.30	116.90	32.115					
11,800.00	7,247.82	6,744.90	6,683.65	140.05	32.28	-74.62	-1,927.20	-6,430.23	3,671.58	3,551.76	119.81	30.644					
11,900.00	7,248.00	6,745.17	6,683.91	142.79	32.28	-74.63	-1,927.26	-6,430.23	3,589.85	3,466.99	122.86	29.219					
12,000.00	7,248.18	6,745.44	6,684.17	145.53	32.28	-74.64	-1,927.33	-6,430.23	3,509.07	3,383.03	126.04	27.841					
12,100.00	7,248.37	6,745.72	6,684.44	148.28	32.28	-74.65	-1,927.40	-6,430.23	3,429.29	3,299.94	129.35	26.512					
12,200.00	7,248.55	6,745.99	6,684.70	151.04	32.28	-74.65	-1,927.47	-6,430.23	3,350.61	3,217.81	132.80	25.230					
12,300.00	7,248.73	6,746.27	6,684.97	153.80	32.28	-74.66	-1,927.54	-6,430.23	3,273.09	3,136.69	136.40	23.996					
12,400.00	7,248.91	6,746.54	6,685.24	156.56	32.28	-74.67	-1,927.61	-6,430.23	3,196.82	3,056.67	140.15	22.811					
12,500.00	7,249.10	6,746.82	6,685.50	159.32	32.28	-74.68	-1,927.68	-6,430.23	3,121.88	2,977.85	144.04	21.674					
12,600.00	7,249.28	6,747.09	6,685.77	162.09	32.28	-74.68	-1,927.75	-6,430.23	3,048.39	2,900.31	148.08	20.586					
12,700.00	7,249.46	6,747.37	6,686.04	164.86	32.28	-74.69	-1,927.82	-6,430.23	2,976.44	2,824.17	152.27	19.547					
12,800.00	7,249.64	6,747.65	6,686.31	167.63	32.28	-74.70	-1,927.89	-6,430.23	2,906.15	2,749.54	156.61	18.556					
12,900.00	7,249.83	6,747.93	6,686.58	170.40	32.29	-74.71	-1,927.96	-6,430.23	2,837.65	2,676.55	161.10	17.614					
13,000.00	7,250.01	6,748.21	6,686.85	173.18	32.29	-74.71	-1,928.03	-6,430.23	2,771.06	2,605.33	165.73	16.721					
13,100.00	7,250.19	6,748.49	6,687.12	175.96	32.29	-74.72	-1,928.10	-6,430.23	2,706.52	2,536.04	170.49	15.875					
13,200.00	7,250.37	6,748.77	6,687.39	178.74	32.29	-74.73	-1,928.18	-6,430.23	2,644.20	2,468.83	175.37	15.078					
13,300.00	7,250.56	6,749.05	6,687.66	181.52	32.29	-74.74	-1,928.25	-6,430.23	2,584.24	2,403.88	180.36	14.328					
13,400.00	7,250.74	6,749.33	6,687.94	184.31	32.29	-74.75	-1,928.32	-6,430.23	2,526.82	2,341.37	185.45	13.626					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	
Survey Program: 800-MWD													Offset Well Error:	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
13,500.00	7,250.92	6,749.62	6,688.21	187.09	32.29	-74.75	-1,928.39	-6,430.23	2,472.11	2,281.51	190.60	12.970		
13,600.00	7,251.10	6,749.90	6,688.48	189.88	32.29	-74.76	-1,928.46	-6,430.23	2,420.30	2,224.50	195.80	12.361		
13,700.00	7,251.29	6,750.18	6,688.76	192.67	32.29	-74.77	-1,928.54	-6,430.23	2,371.58	2,170.57	201.01	11.798		
13,800.00	7,251.47	6,750.47	6,689.03	195.47	32.29	-74.78	-1,928.61	-6,430.23	2,326.13	2,119.93	206.20	11.281		
13,900.00	7,251.65	6,750.75	6,689.31	198.26	32.29	-74.78	-1,928.68	-6,430.23	2,284.16	2,072.84	211.33	10.809		
14,000.00	7,251.83	6,751.04	6,689.58	201.05	32.29	-74.79	-1,928.76	-6,430.23	2,245.87	2,029.52	216.35	10.381		
14,100.00	7,252.01	6,751.32	6,689.86	203.85	32.29	-74.80	-1,928.83	-6,430.23	2,211.43	1,990.22	221.21	9.997		
14,200.00	7,252.20	6,751.61	6,690.14	206.65	32.29	-74.81	-1,928.91	-6,430.23	2,181.04	1,955.16	225.87	9.656		
14,300.00	7,252.38	6,751.90	6,690.42	209.45	32.30	-74.82	-1,928.98	-6,430.23	2,154.87	1,924.58	230.28	9.358		
14,400.00	7,252.56	6,752.19	6,690.70	212.25	32.30	-74.82	-1,929.06	-6,430.23	2,133.06	1,898.68	234.38	9.101		
14,500.00	7,252.74	6,752.48	6,690.97	215.05	32.30	-74.83	-1,929.13	-6,430.23	2,115.77	1,877.64	238.13	8.885		
14,600.00	7,252.93	6,752.77	6,691.25	217.86	32.30	-74.84	-1,929.21	-6,430.23	2,103.09	1,861.61	241.48	8.709		
14,700.00	7,253.11	6,753.06	6,691.53	220.66	32.30	-74.85	-1,929.28	-6,430.23	2,095.11	1,850.72	244.39	8.573		
14,800.00	7,253.29	6,753.35	6,691.82	223.47	32.30	-74.86	-1,929.36	-6,430.23	2,091.89	1,845.05	246.84	8.475		
14,817.46	7,253.32	6,753.40	6,691.87	223.96	32.30	-74.86	-1,929.37	-6,430.23	2,091.81	1,844.60	247.21	8.462 CC, ES		
14,900.00	7,253.47	6,753.64	6,692.10	226.27	32.30	-74.86	-1,929.44	-6,430.23	2,093.44	1,844.65	248.80	8.414		
15,000.00	7,253.66	6,753.93	6,692.38	229.08	32.30	-74.87	-1,929.51	-6,430.23	2,099.76	1,849.50	250.26	8.390 SF		
15,100.00	7,253.84	6,754.23	6,692.66	231.89	32.30	-74.88	-1,929.59	-6,430.23	2,110.81	1,859.58	251.23	8.402		
15,200.00	7,254.02	6,754.52	6,692.95	234.70	32.30	-74.89	-1,929.67	-6,430.23	2,126.50	1,874.80	251.70	8.448		
15,300.00	7,254.20	6,754.82	6,693.23	237.51	32.30	-74.90	-1,929.74	-6,430.23	2,146.75	1,895.03	251.71	8.528		
15,400.00	7,254.39	6,755.11	6,693.52	240.32	32.30	-74.90	-1,929.82	-6,430.23	2,171.41	1,920.13	251.28	8.641		
15,500.00	7,254.57	6,755.41	6,693.80	243.13	32.30	-74.91	-1,929.90	-6,430.23	2,200.35	1,949.90	250.44	8.786		
15,600.00	7,254.75	6,755.70	6,694.09	245.94	32.31	-74.92	-1,929.98	-6,430.23	2,233.39	1,984.16	249.23	8.961		
15,700.00	7,254.93	6,756.00	6,694.38	248.76	32.31	-74.93	-1,930.06	-6,430.23	2,270.36	2,022.67	247.69	9.166		
15,800.00	7,255.12	6,756.30	6,694.66	251.57	32.31	-74.94	-1,930.14	-6,430.23	2,311.07	2,065.20	245.87	9.400		
15,900.00	7,255.30	6,756.60	6,694.95	254.39	32.31	-74.94	-1,930.21	-6,430.23	2,355.32	2,111.53	243.79	9.661		
16,000.00	7,255.48	6,756.90	6,695.24	257.20	32.31	-74.95	-1,930.29	-6,430.23	2,402.92	2,161.41	241.51	9.950		
16,100.00	7,255.66	6,757.20	6,695.53	260.02	32.31	-74.96	-1,930.37	-6,430.23	2,453.68	2,214.62	239.06	10.264		
16,200.00	7,255.85	6,757.50	6,695.82	262.84	32.31	-74.97	-1,930.45	-6,430.23	2,507.40	2,270.92	236.48	10.603		
16,300.00	7,256.03	6,757.80	6,696.11	265.65	32.31	-74.98	-1,930.53	-6,430.23	2,563.89	2,330.09	233.80	10.966		
16,400.00	7,256.21	6,758.10	6,696.40	268.47	32.31	-74.99	-1,930.62	-6,430.23	2,622.98	2,391.94	231.05	11.353		
16,500.00	7,256.39	6,758.41	6,696.69	271.29	32.31	-74.99	-1,930.70	-6,430.23	2,684.50	2,456.25	228.25	11.761		
16,600.00	7,256.58	6,758.71	6,696.99	274.11	32.31	-75.00	-1,930.78	-6,430.23	2,748.28	2,522.85	225.42	12.192		
16,700.00	7,256.76	6,759.02	6,697.28	276.93	32.31	-75.01	-1,930.86	-6,430.23	2,814.16	2,591.57	222.59	12.643		
16,800.00	7,256.94	6,759.32	6,697.57	279.75	32.31	-75.02	-1,930.94	-6,430.23	2,882.02	2,662.24	219.77	13.114		
16,900.00	7,257.12	6,759.63	6,697.87	282.57	32.32	-75.03	-1,931.02	-6,430.23	2,951.70	2,734.72	216.98	13.604		
17,000.00	7,257.30	6,759.93	6,698.16	285.40	32.32	-75.04	-1,931.11	-6,430.23	3,023.08	2,808.86	214.22	14.112		
17,100.00	7,257.49	6,760.24	6,698.46	288.22	32.32	-75.04	-1,931.19	-6,430.23	3,096.04	2,884.54	211.50	14.638		
17,200.00	7,257.67	6,760.55	6,698.76	291.04	32.32	-75.05	-1,931.27	-6,430.23	3,170.49	2,961.65	208.84	15.182		
17,300.00	7,257.85	6,760.86	6,699.05	293.87	32.32	-75.06	-1,931.36	-6,430.23	3,246.30	3,040.07	206.23	15.741		
17,400.00	7,258.03	6,761.17	6,699.35	296.69	32.32	-75.07	-1,931.44	-6,430.23	3,323.40	3,119.72	203.68	16.317		
17,500.00	7,258.22	6,761.48	6,699.65	299.51	32.32	-75.08	-1,931.53	-6,430.23	3,401.68	3,200.49	201.20	16.907		
17,600.00	7,258.40	6,761.79	6,699.95	302.34	32.32	-75.09	-1,931.61	-6,430.23	3,481.08	3,282.31	198.78	17.512		
17,700.00	7,258.58	6,762.10	6,700.25	305.16	32.32	-75.09	-1,931.69	-6,430.23	3,561.52	3,365.10	196.43	18.132		
17,800.00	7,258.76	6,762.41	6,700.55	307.99	32.32	-75.10	-1,931.78	-6,430.23	3,642.93	3,448.79	194.14	18.764		
17,900.00	7,258.95	6,762.73	6,700.85	310.82	32.32	-75.11	-1,931.87	-6,430.23	3,725.24	3,533.32	191.92	19.410		
18,000.00	7,259.13	6,763.04	6,701.16	313.64	32.32	-75.12	-1,931.95	-6,430.23	3,808.40	3,618.63	189.77	20.068		
18,100.00	7,259.31	6,763.36	6,701.46	316.47	32.33	-75.13	-1,932.04	-6,430.23	3,892.35	3,704.66	187.69	20.738		
18,200.00	7,259.49	6,763.67	6,701.76	319.30	32.33	-75.14	-1,932.12	-6,430.23	3,977.04	3,791.37	185.67	21.420		
18,300.00	7,259.68	6,763.99	6,702.07	322.12	32.33	-75.15	-1,932.21	-6,430.23	4,062.43	3,878.72	183.71	22.113		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Harvesters Resources #15R-403(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 800-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	6,764.31	6,702.37	324.95	32.33	-75.16	-1,932.30	-6,430.23	4,148.47	3,966.65	181.82	22.816		
18,500.00	7,260.04	6,764.63	6,702.68	327.78	32.33	-75.16	-1,932.39	-6,430.23	4,235.13	4,055.14	179.99	23.530		
18,600.00	7,260.22	6,764.94	6,702.98	330.61	32.33	-75.17	-1,932.47	-6,430.23	4,322.36	4,144.14	178.22	24.253		
18,700.00	7,260.41	6,765.26	6,703.29	333.44	32.33	-75.18	-1,932.56	-6,430.23	4,410.13	4,233.63	176.50	24.986		
18,800.00	7,260.59	6,765.58	6,703.60	336.27	32.33	-75.19	-1,932.65	-6,430.23	4,498.42	4,323.57	174.84	25.728		
18,900.00	7,260.77	6,765.91	6,703.91	339.10	32.33	-75.20	-1,932.74	-6,430.23	4,587.18	4,413.95	173.24	26.479		
19,000.00	7,260.95	6,766.23	6,704.22	341.93	32.33	-75.21	-1,932.83	-6,430.23	4,676.40	4,504.72	171.68	27.238		
19,025.91	7,261.00	6,766.31	6,704.30	342.66	32.33	-75.21	-1,932.85	-6,430.23	4,699.59	4,528.30	171.29	27.437		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-111.29	-2,183.02	-5,602.49	6,012.77					
100.00	100.00	85.00	85.00	3.28	3.29	-111.29	-2,183.02	-5,602.49	6,012.77	6,006.20	6.57	915.186		
200.00	200.00	185.00	185.00	3.34	3.31	-111.29	-2,183.02	-5,602.49	6,012.77	6,006.13	6.64	905.256		
300.00	299.98	284.98	284.98	3.44	3.34	158.00	-2,183.02	-5,602.49	6,014.39	6,007.61	6.78	886.838		
400.00	399.84	384.84	384.84	3.60	3.39	157.98	-2,183.02	-5,602.49	6,019.24	6,012.26	6.99	861.513		
500.00	499.45	484.45	484.45	3.81	3.45	157.95	-2,183.02	-5,602.49	6,027.33	6,020.07	7.25	831.031		
600.00	598.70	583.70	583.70	4.05	3.52	157.91	-2,183.02	-5,602.49	6,038.63	6,031.06	7.57	797.384		
700.00	697.47	682.47	682.47	4.34	3.61	157.85	-2,183.02	-5,602.49	6,053.15	6,045.21	7.94	762.260		
800.00	795.62	780.62	780.62	4.66	3.70	157.78	-2,183.02	-5,602.49	6,070.86	6,062.51	8.35	726.951		
849.22	843.68	828.68	828.68	4.84	3.75	157.74	-2,183.02	-5,602.49	6,080.75	6,072.18	8.57	709.580		
900.00	893.16	878.16	878.16	5.02	3.80	157.78	-2,183.02	-5,602.49	6,091.35	6,082.55	8.80	692.372		
1,000.00	990.60	1,612.29	1,611.64	5.41	5.01	158.40	-2,175.84	-5,592.79	6,133.68	6,123.30	10.38	591.127		
1,100.00	1,088.05	1,711.10	1,709.87	5.83	5.35	158.50	-2,169.51	-5,584.25	6,144.37	6,133.28	11.09	554.181		
1,200.00	1,185.49	1,809.90	1,808.10	6.26	5.71	158.61	-2,163.18	-5,575.70	6,155.07	6,143.24	11.83	520.430		
1,300.00	1,282.93	1,908.70	1,906.33	6.70	6.09	158.71	-2,156.85	-5,567.15	6,165.80	6,153.20	12.59	489.565		
1,400.00	1,380.37	2,007.50	2,004.56	7.15	6.49	158.81	-2,150.53	-5,558.60	6,176.54	6,163.16	13.38	461.576		
1,500.00	1,477.82	2,106.31	2,102.79	7.62	6.89	158.92	-2,144.20	-5,550.06	6,187.31	6,173.12	14.19	436.144		
1,600.00	1,575.26	2,205.11	2,201.01	8.09	7.31	159.02	-2,137.87	-5,541.51	6,198.09	6,183.08	15.01	413.041		
1,700.00	1,672.70	2,303.91	2,299.24	8.57	7.73	159.12	-2,131.54	-5,532.96	6,208.89	6,193.06	15.84	392.022		
1,800.00	1,770.15	2,402.71	2,397.47	9.05	8.16	159.22	-2,125.21	-5,524.42	6,219.72	6,203.04	16.68	372.869		
1,900.00	1,867.59	2,501.52	2,495.70	9.54	8.59	159.32	-2,118.89	-5,515.87	6,230.56	6,213.03	17.53	355.375		
2,000.00	1,965.03	2,600.32	2,593.93	10.03	9.03	159.42	-2,112.56	-5,507.32	6,241.42	6,223.03	18.39	339.361		
2,100.00	2,062.48	2,700.88	2,692.16	10.53	9.48	159.52	-2,106.23	-5,498.78	6,252.30	6,233.04	19.27	324.541		
2,200.00	2,159.92	2,802.08	2,790.39	11.03	9.94	159.62	-2,099.90	-5,490.23	6,263.21	6,243.06	20.15	310.875		
2,300.00	2,257.36	2,903.27	2,888.62	11.53	10.40	159.72	-2,093.57	-5,481.68	6,274.12	6,253.09	21.03	298.282		
2,400.00	2,354.81	3,004.47	2,986.84	12.03	10.87	159.82	-2,087.25	-5,473.13	6,285.06	6,263.14	21.93	286.649		
2,500.00	2,452.25	3,105.67	3,085.07	12.54	11.33	159.92	-2,080.92	-5,464.59	6,296.02	6,273.20	22.82	275.878		
2,600.00	2,549.69	3,206.86	3,183.30	13.04	11.80	160.02	-2,074.59	-5,456.04	6,307.00	6,283.28	23.72	265.881		
2,700.00	2,647.13	3,308.06	3,281.53	13.55	12.27	160.12	-2,068.26	-5,447.49	6,317.99	6,293.37	24.62	256.583		
2,800.00	2,744.58	3,409.26	3,379.76	14.06	12.75	160.22	-2,061.93	-5,438.95	6,329.00	6,303.48	25.53	247.916		
2,900.00	2,842.02	3,489.54	3,477.99	14.57	13.12	160.31	-2,055.60	-5,430.40	6,340.04	6,313.69	26.35	240.645		
3,000.00	2,939.46	3,588.35	3,576.22	15.09	13.59	160.41	-2,049.28	-5,421.85	6,351.09	6,323.84	27.25	233.107		
3,100.00	3,036.91	3,687.15	3,674.44	15.60	14.05	160.51	-2,042.95	-5,413.31	6,362.15	6,334.01	28.15	226.034		
3,200.00	3,134.35	3,785.95	3,772.67	16.11	14.52	160.60	-2,036.62	-5,404.76	6,373.24	6,344.19	29.05	219.388		
3,300.00	3,231.79	3,884.75	3,870.90	16.63	14.99	160.70	-2,030.29	-5,396.21	6,384.34	6,354.39	29.95	213.131		
3,400.00	3,329.24	3,983.56	3,969.13	17.14	15.45	160.80	-2,023.96	-5,387.67	6,395.47	6,364.61	30.86	207.232		
3,500.00	3,426.68	4,082.36	4,067.36	17.66	15.92	160.89	-2,017.64	-5,379.12	6,406.61	6,374.84	31.77	201.661		
3,600.00	3,524.12	4,181.16	4,165.59	18.18	16.39	160.99	-2,011.31	-5,370.57	6,417.76	6,385.09	32.68	196.393		
3,700.00	3,621.57	4,279.97	4,263.82	18.69	16.86	161.08	-2,004.98	-5,362.02	6,428.94	6,395.35	33.59	191.404		
3,800.00	3,719.01	4,378.77	4,362.05	19.21	17.34	161.18	-1,998.65	-5,353.48	6,440.13	6,405.63	34.50	186.673		
3,900.00	3,816.45	4,477.57	4,460.27	19.73	17.81	161.27	-1,992.32	-5,344.93	6,451.34	6,415.93	35.41	182.181		
4,000.00	3,913.90	4,576.37	4,558.50	20.25	18.28	161.36	-1,986.00	-5,336.38	6,462.57	6,426.25	36.32	177.911		
4,100.00	4,011.34	4,675.18	4,656.73	20.77	18.75	161.46	-1,979.67	-5,327.84	6,473.82	6,436.58	37.24	173.847		
4,200.00	4,108.78	4,773.98	4,754.96	21.29	19.23	161.55	-1,973.34	-5,319.29	6,485.08	6,446.93	38.15	169.975		
4,300.00	4,206.22	4,872.78	4,853.19	21.81	19.70	161.64	-1,967.01	-5,310.74	6,496.36	6,457.29	39.07	166.281		
4,400.00	4,303.67	4,971.58	4,951.42	22.33	20.18	161.74	-1,960.68	-5,302.20	6,507.66	6,467.67	39.98	162.754		
4,500.00	4,401.11	5,070.39	5,049.65	22.85	20.65	161.83	-1,954.35	-5,293.65	6,518.97	6,478.07	40.90	159.384		
4,600.00	4,498.55	5,169.19	5,147.87	23.37	21.13	161.92	-1,948.03	-5,285.10	6,530.30	6,488.48	41.82	156.159		
4,700.00	4,596.00	5,267.99	5,246.10	23.89	21.60	162.01	-1,941.70	-5,276.56	6,541.65	6,498.91	42.74	153.071		
4,800.00	4,693.44	5,366.79	5,344.33	24.41	22.08	162.10	-1,935.37	-5,268.01	6,553.01	6,509.36	43.65	150.112		
4,900.00	4,790.88	5,465.60	5,442.56	24.93	22.55	162.20	-1,929.04	-5,259.46	6,564.39	6,519.82	44.57	147.273		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Harvesters Resources #15U-203(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 1500-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
5,000.00	4,888.33	5,564.40	5,540.79	25.46	23.03	162.29	-1,922.71	-5,250.91	6,575.79	6,530.30	45.49	144.549					
5,100.00	4,985.77	5,663.20	5,639.02	25.98	23.51	162.38	-1,916.39	-5,242.37	6,587.20	6,540.79	46.41	141.931					
5,200.00	5,083.21	5,716.15	5,691.66	26.50	23.76	162.43	-1,913.00	-5,237.79	6,598.79	6,551.68	47.11	140.061					
5,300.00	5,180.66	5,761.75	5,737.03	27.02	23.98	162.47	-1,910.29	-5,234.13	6,611.16	6,563.38	47.78	138.378					
5,400.00	5,278.10	5,800.00	5,775.14	27.55	24.16	162.50	-1,908.35	-5,231.52	6,624.62	6,576.22	48.40	136.875					
5,500.00	5,375.54	5,800.00	5,775.14	28.07	24.16	162.50	-1,908.35	-5,231.52	6,639.20	6,590.37	48.83	135.974					
5,582.90	5,456.32	5,849.46	5,824.48	28.50	24.38	162.54	-1,906.29	-5,228.74	6,651.82	6,602.40	49.42	134.600					
5,600.00	5,473.00	5,854.75	5,829.76	28.59	24.40	162.56	-1,906.10	-5,228.48	6,654.49	6,604.98	49.52	134.389					
5,700.00	5,570.93	5,900.00	5,874.95	29.10	24.60	162.67	-1,904.72	-5,226.61	6,668.82	6,618.67	50.15	132.984					
5,800.00	5,669.52	5,900.00	5,874.95	29.57	24.60	162.75	-1,904.72	-5,226.61	6,680.82	6,630.29	50.53	132.216					
5,900.00	5,768.62	5,947.93	5,922.85	30.03	24.80	162.83	-1,903.71	-5,225.25	6,690.44	6,639.31	51.14	130.836					
6,000.00	5,868.13	6,000.00	5,974.91	30.45	25.02	162.88	-1,903.16	-5,224.50	6,697.94	6,646.19	51.75	129.434					
6,100.00	5,967.93	6,010.37	5,985.28	30.86	25.06	162.92	-1,903.11	-5,224.44	6,702.91	6,650.79	52.12	128.599					
6,200.00	6,067.88	6,077.97	6,052.88	31.24	25.33	162.93	-1,903.09	-5,224.41	6,705.54	6,652.76	52.78	127.055					
6,232.12	6,100.00	6,110.09	6,085.00	31.36	25.46	-106.35	-1,903.09	-5,224.41	6,705.71	6,652.67	53.04	126.439					
6,300.00	6,167.88	6,177.97	6,152.88	31.61	25.73	-106.35	-1,903.09	-5,224.41	6,705.71	6,652.14	53.57	125.170					
6,400.00	6,267.88	6,277.97	6,252.88	31.97	26.13	-106.35	-1,903.09	-5,224.41	6,705.71	6,651.34	54.37	123.343					
6,500.00	6,367.88	6,377.97	6,352.88	32.34	26.53	-106.35	-1,903.09	-5,224.41	6,705.71	6,650.55	55.16	121.565					
6,600.00	6,467.88	6,400.00	6,374.90	32.70	26.61	-106.36	-1,903.96	-5,224.41	6,706.41	6,650.87	55.54	120.750					
6,700.00	6,567.88	6,400.00	6,374.90	33.07	26.61	-106.36	-1,903.96	-5,224.41	6,708.32	6,652.52	55.80	120.223					
6,736.50	6,604.38	6,435.60	6,410.40	33.21	26.72	-106.38	-1,906.49	-5,224.41	6,709.05	6,652.99	56.07	119.663					
6,750.00	6,617.88	6,439.45	6,414.23	33.25	26.74	-19.28	-1,906.86	-5,224.41	6,709.29	6,653.17	56.12	119.558					
6,800.00	6,667.77	6,453.64	6,428.34	33.43	26.78	-19.34	-1,908.40	-5,224.41	6,707.98	6,651.68	56.29	119.164					
6,850.00	6,717.28	6,500.00	6,474.19	33.60	26.94	-19.56	-1,915.24	-5,224.41	6,703.51	6,646.89	56.61	118.405					
6,900.00	6,766.09	6,500.00	6,474.19	33.79	26.94	-19.82	-1,915.24	-5,224.41	6,695.18	6,638.48	56.69	118.093					
6,950.00	6,813.90	6,500.00	6,474.19	33.99	26.94	-20.18	-1,915.24	-5,224.41	6,683.59	6,626.83	56.76	117.754					
7,000.00	6,860.42	6,500.00	6,474.19	34.20	26.94	-20.67	-1,915.24	-5,224.41	6,668.79	6,611.98	56.81	117.388					
7,050.00	6,905.36	6,500.00	6,474.19	34.42	26.94	-21.29	-1,915.24	-5,224.41	6,650.86	6,594.01	56.85	116.993					
7,100.00	6,948.45	6,500.00	6,474.19	34.67	26.94	-22.06	-1,915.24	-5,224.41	6,629.88	6,573.00	56.88	116.568					
7,150.00	6,989.41	6,542.86	6,516.13	34.94	27.06	-23.18	-1,924.04	-5,224.41	6,605.45	6,548.34	57.11	115.665					
7,200.00	7,028.00	6,553.20	6,526.17	35.24	27.09	-24.40	-1,926.51	-5,224.41	6,578.41	6,521.24	57.17	115.060					
7,250.00	7,063.98	6,562.75	6,535.41	35.56	27.12	-25.87	-1,928.91	-5,224.42	6,548.63	6,491.40	57.23	114.425					
7,300.00	7,097.13	6,600.00	6,571.15	35.92	27.23	-27.85	-1,939.39	-5,224.42	6,516.51	6,459.08	57.43	113.471					
7,350.00	7,127.23	6,600.00	6,571.15	36.32	27.23	-29.97	-1,939.39	-5,224.42	6,481.64	6,424.21	57.44	112.846					
7,400.00	7,154.12	6,600.00	6,571.15	36.75	27.23	-32.54	-1,939.39	-5,224.42	6,444.61	6,387.16	57.45	112.176					
7,450.00	7,177.61	6,600.00	6,571.15	37.22	27.23	-35.70	-1,939.39	-5,224.42	6,405.59	6,348.12	57.47	111.461					
7,500.00	7,197.57	6,600.00	6,571.15	37.73	27.23	-39.58	-1,939.39	-5,224.42	6,364.79	6,307.29	57.50	110.699					
7,550.00	7,213.88	6,600.00	6,571.15	38.28	27.23	-44.37	-1,939.39	-5,224.42	6,322.44	6,264.90	57.53	109.889					
7,600.00	7,226.42	6,600.00	6,571.15	38.87	27.23	-50.31	-1,939.39	-5,224.42	6,278.76	6,221.17	57.59	109.031					
7,650.00	7,235.13	6,600.00	6,571.15	39.48	27.23	-57.62	-1,939.39	-5,224.42	6,234.00	6,176.35	57.65	108.126					
7,700.00	7,239.95	6,600.00	6,571.15	40.12	27.23	-66.43	-1,939.39	-5,224.42	6,188.42	6,130.68	57.74	107.177					
7,735.44	7,241.00	6,600.00	6,571.15	40.59	27.23	-73.54	-1,939.39	-5,224.42	6,155.76	6,097.95	57.81	106.478					
7,800.00	7,241.11	6,600.00	6,571.15	41.47	27.23	-73.54	-1,939.39	-5,224.42	6,096.12	6,038.16	57.96	105.179					
7,900.00	7,241.27	6,600.00	6,571.15	42.96	27.23	-73.54	-1,939.39	-5,224.42	6,003.93	5,945.70	58.23	103.110					
8,000.00	7,241.44	6,600.00	6,571.15	44.59	27.23	-73.54	-1,939.39	-5,224.42	5,911.99	5,853.45	58.55	100.974					
8,100.00	7,241.61	6,600.00	6,571.15	46.34	27.23	-73.54	-1,939.39	-5,224.42	5,820.33	5,761.40	58.93	98.773					
8,200.00	7,241.77	6,600.00	6,571.15	48.20	27.23	-73.54	-1,939.39	-5,224.42	5,728.94	5,669.58	59.36	96.509					
8,300.00	7,241.94	6,600.00	6,571.15	50.16	27.23	-73.54	-1,939.39	-5,224.42	5,637.84	5,577.98	59.86	94.186					
8,400.00	7,242.11	6,600.00	6,571.15	52.20	27.23	-73.54	-1,939.39	-5,224.42	5,547.05	5,486.63	60.42	91.808					
8,500.00	7,242.27	6,600.00	6,571.15	54.31	27.23	-73.54	-1,939.39	-5,224.42	5,456.59	5,395.54	61.05	89.380					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	6,600.00	6,571.15	56.49	27.23	-73.54	-1,939.39	-5,224.42	5,366.46	5,304.71	61.75	86.908		
8,700.00	7,242.60	6,600.00	6,571.15	58.73	27.23	-73.54	-1,939.39	-5,224.42	5,276.68	5,214.16	62.52	84.398		
8,800.00	7,242.77	6,600.00	6,571.15	61.03	27.23	-73.54	-1,939.39	-5,224.42	5,187.28	5,123.91	63.37	81.858		
8,900.00	7,242.94	6,600.00	6,571.15	63.37	27.23	-73.54	-1,939.39	-5,224.42	5,098.28	5,033.98	64.30	79.294		
9,000.00	7,243.10	6,600.00	6,571.15	65.75	27.23	-73.54	-1,939.39	-5,224.42	5,009.69	4,944.38	65.30	76.714		
9,100.00	7,243.27	6,600.00	6,571.15	68.18	27.23	-73.54	-1,939.39	-5,224.42	4,921.53	4,855.14	66.39	74.125		
9,200.00	7,243.44	6,600.00	6,571.15	70.63	27.23	-73.54	-1,939.39	-5,224.42	4,833.84	4,766.27	67.57	71.536		
9,300.00	7,243.60	6,600.00	6,571.15	73.12	27.23	-73.54	-1,939.39	-5,224.42	4,746.64	4,677.80	68.84	68.954		
9,400.00	7,243.77	6,600.00	6,571.15	75.63	27.23	-73.54	-1,939.39	-5,224.42	4,659.95	4,589.75	70.20	66.385		
9,500.00	7,243.94	6,600.00	6,571.15	78.17	27.23	-73.54	-1,939.39	-5,224.42	4,573.80	4,502.15	71.65	63.839		
9,600.00	7,244.10	6,600.00	6,571.15	80.73	27.23	-73.54	-1,939.39	-5,224.42	4,488.22	4,415.03	73.19	61.320		
9,700.00	7,244.27	6,600.00	6,571.15	83.31	27.23	-73.54	-1,939.39	-5,224.42	4,403.26	4,328.42	74.84	58.836		
9,800.00	7,244.44	6,600.00	6,571.15	85.91	27.23	-73.54	-1,939.39	-5,224.42	4,318.94	4,242.35	76.59	56.393		
9,900.00	7,244.60	6,600.00	6,571.15	88.53	27.23	-73.54	-1,939.39	-5,224.42	4,235.30	4,156.86	78.44	53.995		
10,000.00	7,244.77	6,600.00	6,571.15	91.16	27.23	-73.54	-1,939.39	-5,224.42	4,152.38	4,071.98	80.40	51.648		
10,100.00	7,244.94	6,600.00	6,571.15	93.81	27.23	-73.54	-1,939.39	-5,224.42	4,070.23	3,987.77	82.47	49.356		
10,200.00	7,245.10	6,600.00	6,571.15	96.46	27.23	-73.54	-1,939.39	-5,224.42	3,988.90	3,904.25	84.65	47.123		
10,300.00	7,245.27	6,600.00	6,571.15	99.14	27.23	-73.54	-1,939.39	-5,224.42	3,908.43	3,821.49	86.95	44.953		
10,400.00	7,245.43	6,600.00	6,571.15	101.82	27.23	-73.54	-1,939.39	-5,224.42	3,828.89	3,739.53	89.36	42.847		
10,500.00	7,245.60	6,600.00	6,571.15	104.51	27.23	-73.54	-1,939.39	-5,224.42	3,750.32	3,658.42	91.90	40.810		
10,600.00	7,245.77	6,600.00	6,571.15	107.21	27.23	-73.54	-1,939.39	-5,224.42	3,672.80	3,578.24	94.56	38.842		
10,700.00	7,245.93	6,600.00	6,571.15	109.92	27.23	-73.54	-1,939.39	-5,224.42	3,596.38	3,499.04	97.35	36.945		
10,800.00	7,246.10	6,600.00	6,571.15	112.64	27.23	-73.54	-1,939.39	-5,224.42	3,521.15	3,420.89	100.26	35.120		
10,900.00	7,246.27	6,600.00	6,571.15	115.37	27.23	-73.54	-1,939.39	-5,224.42	3,447.18	3,343.87	103.31	33.368		
11,000.00	7,246.43	6,600.00	6,571.15	118.10	27.23	-73.54	-1,939.39	-5,224.42	3,374.55	3,268.06	106.49	31.690		
11,100.00	7,246.60	6,600.00	6,571.15	120.84	27.23	-73.54	-1,939.39	-5,224.42	3,303.35	3,193.55	109.80	30.086		
11,200.00	7,246.77	6,600.00	6,571.15	123.58	27.23	-73.54	-1,939.39	-5,224.42	3,233.67	3,120.43	113.24	28.555		
11,300.00	7,246.93	6,600.00	6,571.15	126.34	27.23	-73.54	-1,939.39	-5,224.42	3,165.62	3,048.80	116.82	27.098		
11,340.34	7,247.00	6,600.00	6,571.15	127.45	27.23	-73.54	-1,939.39	-5,224.42	3,138.65	3,020.35	118.30	26.531		
11,400.00	7,247.10	6,600.00	6,571.15	129.09	27.23	-73.23	-1,939.39	-5,224.42	3,098.86	2,978.35	120.51	25.715		
11,500.00	7,247.27	6,600.00	6,571.15	131.84	27.23	-72.69	-1,939.39	-5,224.42	3,031.59	2,907.39	124.20	24.409		
11,586.15	7,247.43	6,600.00	6,571.15	134.20	27.23	-72.20	-1,939.39	-5,224.42	2,973.12	2,845.75	127.37	23.342		
11,600.00	7,247.45	6,600.00	6,571.15	134.57	27.23	-72.20	-1,939.39	-5,224.42	2,963.69	2,835.81	127.88	23.175		
11,700.00	7,247.64	6,600.00	6,571.15	137.31	27.23	-72.20	-1,939.39	-5,224.42	2,896.72	2,765.08	131.64	22.005		
11,800.00	7,247.82	6,600.00	6,571.15	140.05	27.23	-72.20	-1,939.39	-5,224.42	2,831.69	2,696.17	135.52	20.896		
11,900.00	7,248.00	6,600.00	6,571.15	142.79	27.23	-72.20	-1,939.39	-5,224.42	2,768.75	2,629.23	139.51	19.846		
12,000.00	7,248.18	6,600.00	6,571.15	145.53	27.23	-72.20	-1,939.39	-5,224.42	2,708.03	2,564.41	143.62	18.855		
12,100.00	7,248.37	6,600.00	6,571.15	148.28	27.23	-72.20	-1,939.39	-5,224.42	2,649.71	2,501.87	147.83	17.924		
12,200.00	7,248.55	6,600.00	6,571.15	151.04	27.23	-72.20	-1,939.39	-5,224.42	2,593.92	2,441.79	152.13	17.051		
12,300.00	7,248.73	6,600.00	6,571.15	153.80	27.23	-72.20	-1,939.39	-5,224.42	2,540.85	2,384.35	156.50	16.236		
12,400.00	7,248.91	6,600.00	6,571.15	156.56	27.23	-72.20	-1,939.39	-5,224.42	2,490.67	2,329.75	160.92	15.478		
12,500.00	7,249.10	6,600.00	6,571.15	159.32	27.23	-72.20	-1,939.39	-5,224.42	2,443.55	2,278.18	165.37	14.776		
12,600.00	7,249.28	6,600.00	6,571.15	162.09	27.23	-72.20	-1,939.39	-5,224.42	2,399.67	2,229.85	169.82	14.131		
12,700.00	7,249.46	6,600.00	6,571.15	164.86	27.23	-72.20	-1,939.39	-5,224.42	2,359.22	2,184.97	174.24	13.540		
12,800.00	7,249.64	6,600.00	6,571.15	167.63	27.23	-72.20	-1,939.39	-5,224.42	2,322.37	2,143.76	178.61	13.003		
12,900.00	7,249.83	6,600.00	6,571.15	170.40	27.23	-72.20	-1,939.39	-5,224.42	2,289.30	2,106.43	182.87	12.519		
13,000.00	7,250.01	6,600.00	6,571.15	173.18	27.23	-72.20	-1,939.39	-5,224.42	2,260.18	2,073.18	187.00	12.087		
13,100.00	7,250.19	6,600.00	6,571.15	175.96	27.23	-72.20	-1,939.39	-5,224.42	2,235.15	2,044.19	190.95	11.705		
13,200.00	7,250.37	6,600.00	6,571.15	178.74	27.23	-72.20	-1,939.39	-5,224.42	2,214.36	2,019.66	194.69	11.373		
13,300.00	7,250.56	6,600.00	6,571.15	181.52	27.23	-72.20	-1,939.39	-5,224.42	2,197.93	1,999.74	198.18	11.090		
13,400.00	7,250.74	6,600.00	6,571.15	184.31	27.23	-72.20	-1,939.39	-5,224.42	2,185.95	1,984.56	201.39	10.854		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Harvesters Resources #15U-203(PR) - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 1500-MWD													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance						Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
13,500.00	7,250.92	6,600.00	6,571.15	187.09	27.23	-72.20	-1,939.39	-5,224.42	2,178.50	1,974.23	204.27	10.665				
13,600.00	7,251.10	6,600.00	6,571.15	189.88	27.23	-72.20	-1,939.39	-5,224.42	2,175.63	1,968.82	206.81	10.520				
13,612.53	7,251.13	6,600.00	6,571.15	190.23	27.23	-72.20	-1,939.39	-5,224.42	2,175.59	1,968.49	207.11	10.505	CC			
13,700.00	7,251.29	6,600.00	6,571.15	192.67	27.23	-72.20	-1,939.39	-5,224.42	2,177.35	1,968.36	208.99	10.418	ES			
13,800.00	7,251.47	6,600.00	6,571.15	195.47	27.23	-72.20	-1,939.39	-5,224.42	2,183.65	1,972.86	210.79	10.359				
13,900.00	7,251.65	6,600.00	6,571.15	198.26	27.23	-72.20	-1,939.39	-5,224.42	2,194.50	1,982.29	212.21	10.341	SF			
14,000.00	7,251.83	6,600.00	6,571.15	201.05	27.23	-72.20	-1,939.39	-5,224.42	2,209.83	1,996.58	213.25	10.363				
14,100.00	7,252.01	6,600.00	6,571.15	203.85	27.23	-72.20	-1,939.39	-5,224.42	2,229.54	2,015.62	213.91	10.423				
14,200.00	7,252.20	6,600.00	6,571.15	206.65	27.23	-72.20	-1,939.39	-5,224.42	2,253.51	2,039.29	214.22	10.520				
14,300.00	7,252.38	6,600.00	6,571.15	209.45	27.23	-72.20	-1,939.39	-5,224.42	2,281.63	2,067.43	214.19	10.652				
14,400.00	7,252.56	6,600.00	6,571.15	212.25	27.23	-72.20	-1,939.39	-5,224.42	2,313.72	2,099.87	213.85	10.819				
14,500.00	7,252.74	6,600.00	6,571.15	215.05	27.23	-72.20	-1,939.39	-5,224.42	2,349.64	2,136.42	213.23	11.020				
14,600.00	7,252.93	6,600.00	6,571.15	217.86	27.23	-72.20	-1,939.39	-5,224.42	2,389.21	2,176.87	212.34	11.252				
14,700.00	7,253.11	6,600.00	6,571.15	220.66	27.23	-72.20	-1,939.39	-5,224.42	2,432.24	2,221.01	211.23	11.515				
14,800.00	7,253.29	6,600.00	6,571.15	223.47	27.23	-72.20	-1,939.39	-5,224.42	2,478.57	2,268.65	209.92	11.807				
14,900.00	7,253.47	6,600.00	6,571.15	226.27	27.23	-72.20	-1,939.39	-5,224.42	2,528.00	2,319.56	208.44	12.128				
15,000.00	7,253.66	6,600.00	6,571.15	229.08	27.23	-72.20	-1,939.39	-5,224.42	2,580.37	2,373.55	206.82	12.476				
15,100.00	7,253.84	6,600.00	6,571.15	231.89	27.23	-72.20	-1,939.39	-5,224.42	2,635.48	2,430.40	205.08	12.851				
15,200.00	7,254.02	6,600.00	6,571.15	234.70	27.23	-72.20	-1,939.39	-5,224.42	2,693.19	2,489.94	203.25	13.250				
15,300.00	7,254.20	6,600.00	6,571.15	237.51	27.23	-72.20	-1,939.39	-5,224.42	2,753.32	2,551.97	201.35	13.674				
15,400.00	7,254.39	6,600.00	6,571.15	240.32	27.23	-72.20	-1,939.39	-5,224.42	2,815.72	2,616.32	199.40	14.121				
15,500.00	7,254.57	6,600.00	6,571.15	243.13	27.23	-72.20	-1,939.39	-5,224.42	2,880.24	2,682.83	197.41	14.590				
15,600.00	7,254.75	6,600.00	6,571.15	245.94	27.23	-72.20	-1,939.39	-5,224.42	2,946.74	2,751.34	195.40	15.081				
15,700.00	7,254.93	6,600.00	6,571.15	248.76	27.23	-72.20	-1,939.39	-5,224.42	3,015.09	2,821.71	193.38	15.591				
15,800.00	7,255.12	6,600.00	6,571.15	251.57	27.23	-72.20	-1,939.39	-5,224.42	3,085.16	2,893.80	191.36	16.122				
15,900.00	7,255.30	6,600.00	6,571.15	254.39	27.23	-72.20	-1,939.39	-5,224.42	3,156.86	2,967.50	189.36	16.671				
16,000.00	7,255.48	6,600.00	6,571.15	257.20	27.23	-72.20	-1,939.39	-5,224.42	3,230.05	3,042.68	187.37	17.239				
16,100.00	7,255.66	6,600.00	6,571.15	260.02	27.23	-72.20	-1,939.39	-5,224.42	3,304.65	3,119.24	185.41	17.823				
16,200.00	7,255.85	6,600.00	6,571.15	262.84	27.23	-72.20	-1,939.39	-5,224.42	3,380.56	3,197.08	183.48	18.425				
16,300.00	7,256.03	6,600.00	6,571.15	265.65	27.23	-72.20	-1,939.39	-5,224.42	3,457.70	3,276.12	181.59	19.042				
16,400.00	7,256.21	6,600.00	6,571.15	268.47	27.23	-72.20	-1,939.39	-5,224.42	3,535.99	3,356.26	179.73	19.674				
16,500.00	7,256.39	6,600.00	6,571.15	271.29	27.23	-72.20	-1,939.39	-5,224.42	3,615.34	3,437.43	177.91	20.321				
16,600.00	7,256.58	6,600.00	6,571.15	274.11	27.23	-72.20	-1,939.39	-5,224.42	3,695.70	3,519.57	176.13	20.982				
16,700.00	7,256.76	6,600.00	6,571.15	276.93	27.23	-72.20	-1,939.39	-5,224.42	3,777.00	3,602.60	174.40	21.657				
16,800.00	7,256.94	6,600.00	6,571.15	279.75	27.23	-72.20	-1,939.39	-5,224.42	3,859.17	3,686.46	172.71	22.345				
16,900.00	7,257.12	6,600.00	6,571.15	282.57	27.23	-72.20	-1,939.39	-5,224.42	3,942.17	3,771.10	171.07	23.045				
17,000.00	7,257.30	6,600.00	6,571.15	285.40	27.23	-72.20	-1,939.39	-5,224.42	4,025.94	3,856.47	169.47	23.757				
17,100.00	7,257.49	6,600.00	6,571.15	288.22	27.23	-72.20	-1,939.39	-5,224.42	4,110.43	3,942.52	167.91	24.480				
17,200.00	7,257.67	6,600.00	6,571.15	291.04	27.23	-72.20	-1,939.39	-5,224.42	4,195.61	4,029.21	166.40	25.214				
17,300.00	7,257.85	6,600.00	6,571.15	293.87	27.23	-72.20	-1,939.39	-5,224.42	4,281.43	4,116.50	164.93	25.959				
17,400.00	7,258.03	6,600.00	6,571.15	296.69	27.23	-72.20	-1,939.39	-5,224.42	4,367.85	4,204.35	163.50	26.714				
17,500.00	7,258.22	6,600.00	6,571.15	299.51	27.23	-72.20	-1,939.39	-5,224.42	4,454.85	4,292.72	162.12	27.479				
17,600.00	7,258.40	6,600.00	6,571.15	302.34	27.23	-72.20	-1,939.39	-5,224.42	4,542.37	4,381.59	160.78	28.252				
17,700.00	7,258.58	6,600.00	6,571.15	305.16	27.23	-72.20	-1,939.39	-5,224.42	4,630.40	4,470.93	159.47	29.035				
17,800.00	7,258.76	6,600.00	6,571.15	307.99	27.23	-72.20	-1,939.39	-5,224.42	4,718.91	4,560.70	158.21	29.827				
17,900.00	7,258.95	6,600.00	6,571.15	310.82	27.23	-72.20	-1,939.39	-5,224.42	4,807.87	4,650.89	156.98	30.626				
18,000.00	7,259.13	6,600.00	6,571.15	313.64	27.23	-72.20	-1,939.39	-5,224.42	4,897.26	4,741.46	155.80	31.434				
18,100.00	7,259.31	6,600.00	6,571.15	316.47	27.23	-72.20	-1,939.39	-5,224.42	4,987.04	4,832.40	154.64	32.249				
18,200.00	7,259.49	6,600.00	6,571.15	319.30	27.23	-72.20	-1,939.39	-5,224.42	5,077.21	4,923.69	153.52	33.071				
18,300.00	7,259.68	6,600.00	6,571.15	322.12	27.23	-72.20	-1,939.39	-5,224.42	5,167.75	5,015.31	152.44	33.901				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Harvesters Resources #15U-203(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	Offset Wellbore Centre +E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)			
18,400.00	7,259.86	6,600.00	6,571.15	324.95	27.23	-72.20	-1,939.39	-5,224.42	5,258.62	5,107.24	151.39	34.737		
18,500.00	7,260.04	6,600.00	6,571.15	327.78	27.23	-72.20	-1,939.39	-5,224.42	5,349.82	5,199.46	150.36	35.579		
18,600.00	7,260.22	6,600.00	6,571.15	330.61	27.23	-72.20	-1,939.39	-5,224.42	5,441.33	5,291.96	149.37	36.428		
18,700.00	7,260.41	6,600.00	6,571.15	333.44	27.23	-72.20	-1,939.39	-5,224.42	5,533.14	5,384.72	148.41	37.282		
18,800.00	7,260.59	6,600.00	6,571.15	336.27	27.23	-72.20	-1,939.39	-5,224.42	5,625.22	5,477.74	147.48	38.142		
18,900.00	7,260.77	6,600.00	6,571.15	339.10	27.23	-72.20	-1,939.39	-5,224.42	5,717.57	5,570.99	146.58	39.008		
19,000.00	7,260.95	6,600.00	6,571.15	341.93	27.23	-72.20	-1,939.39	-5,224.42	5,810.17	5,664.47	145.70	39.878		
19,025.91	7,261.00	6,600.00	6,571.15	342.66	27.23	-72.20	-1,939.39	-5,224.42	5,834.20	5,688.73	145.47	40.105		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-111.18	-2,183.01	-5,633.08	6,041.29					
100.00	100.00	85.00	85.00	3.28	3.29	-111.18	-2,183.01	-5,633.08	6,041.29	6,034.72	6.57	919.526		
200.00	200.00	185.00	185.00	3.34	3.31	-111.18	-2,183.01	-5,633.08	6,041.29	6,034.65	6.64	909.549		
300.00	299.98	284.98	284.98	3.44	3.34	158.10	-2,183.01	-5,633.08	6,042.91	6,036.13	6.78	891.042		
400.00	399.84	384.84	384.84	3.60	3.39	158.08	-2,183.01	-5,633.08	6,047.76	6,040.78	6.99	865.594		
500.00	499.45	484.45	484.45	3.81	3.45	158.05	-2,183.01	-5,633.08	6,055.85	6,048.60	7.25	834.963		
600.00	598.70	583.70	583.70	4.05	3.52	158.01	-2,183.01	-5,633.08	6,067.17	6,059.59	7.57	801.151		
700.00	697.47	682.47	682.47	4.34	3.61	157.96	-2,183.01	-5,633.08	6,081.69	6,073.75	7.94	765.855		
800.00	795.62	780.62	780.62	4.66	3.70	157.89	-2,183.01	-5,633.08	6,099.42	6,091.07	8.35	730.373		
849.22	843.68	828.68	828.68	4.84	3.75	157.85	-2,183.01	-5,633.08	6,109.32	6,100.75	8.57	712.917		
900.00	893.16	878.16	878.16	5.02	3.80	157.89	-2,183.01	-5,633.08	6,119.92	6,111.12	8.80	695.625		
1,000.00	990.60	975.60	975.60	5.41	3.92	157.97	-2,183.01	-5,633.08	6,140.82	6,131.55	9.27	662.776		
1,100.00	1,088.05	1,073.05	1,073.05	5.83	4.04	158.05	-2,183.01	-5,633.08	6,161.73	6,151.97	9.76	631.361		
1,200.00	1,185.49	1,170.49	1,170.49	6.26	4.17	158.12	-2,183.01	-5,633.08	6,182.65	6,172.37	10.28	601.658		
1,300.00	1,282.93	1,267.93	1,267.93	6.70	4.30	158.20	-2,183.01	-5,633.08	6,203.58	6,192.76	10.81	573.786		
1,400.00	1,380.37	1,365.37	1,365.37	7.15	4.44	158.28	-2,183.01	-5,633.08	6,224.52	6,213.15	11.36	547.760		
1,500.00	1,477.82	1,462.82	1,462.82	7.62	4.59	158.35	-2,183.01	-5,633.08	6,245.47	6,233.54	11.93	523.531		
1,600.00	1,575.26	1,560.26	1,560.26	8.09	4.74	158.43	-2,183.01	-5,633.08	6,266.43	6,253.92	12.51	501.012		
1,700.00	1,672.70	1,657.70	1,657.70	8.57	4.90	158.50	-2,183.01	-5,633.08	6,287.40	6,274.30	13.10	480.098		
1,800.00	1,770.15	1,755.15	1,755.15	9.05	5.06	158.58	-2,183.01	-5,633.08	6,308.38	6,294.69	13.69	460.675		
1,900.00	1,867.59	1,852.59	1,852.59	9.54	5.22	158.65	-2,183.01	-5,633.08	6,329.37	6,315.08	14.30	442.628		
2,000.00	1,965.03	1,950.03	1,950.03	10.03	5.39	158.73	-2,183.01	-5,633.08	6,350.38	6,335.46	14.91	425.846		
2,100.00	2,062.48	2,047.93	2,047.93	10.53	5.74	158.83	-2,182.05	-5,633.26	6,371.29	6,355.57	15.72	405.297		
2,200.00	2,159.92	2,227.76	2,227.52	11.03	6.31	159.01	-2,174.12	-5,634.73	6,391.47	6,374.73	16.74	381.711		
2,300.00	2,257.36	2,342.70	2,341.96	11.53	6.75	159.19	-2,163.59	-5,636.68	6,411.04	6,393.40	17.64	363.414		
2,400.00	2,354.81	2,439.26	2,438.07	12.03	7.13	159.35	-2,154.38	-5,638.39	6,430.61	6,412.13	18.48	348.030		
2,500.00	2,452.25	2,535.82	2,534.17	12.54	7.52	159.50	-2,145.17	-5,640.10	6,450.22	6,430.90	19.32	333.798		
2,600.00	2,549.69	2,632.38	2,630.27	13.04	7.91	159.65	-2,135.95	-5,641.81	6,469.88	6,449.70	20.18	320.619		
2,700.00	2,647.13	2,728.94	2,726.38	13.55	8.32	159.80	-2,126.74	-5,643.52	6,489.58	6,468.54	21.04	308.400		
2,800.00	2,744.58	2,825.50	2,822.48	14.06	8.73	159.95	-2,117.53	-5,645.23	6,509.33	6,487.41	21.91	297.056		
2,900.00	2,842.02	2,922.06	2,918.58	14.57	9.14	160.10	-2,108.32	-5,646.94	6,529.12	6,506.33	22.79	286.506		
3,000.00	2,939.46	3,018.62	3,014.69	15.09	9.56	160.25	-2,099.11	-5,648.65	6,548.95	6,525.28	23.67	276.680		
3,100.00	3,036.91	3,115.18	3,110.79	15.60	9.98	160.40	-2,089.90	-5,650.35	6,568.83	6,544.27	24.56	267.512		
3,200.00	3,134.35	3,211.74	3,206.89	16.11	10.41	160.54	-2,080.68	-5,652.06	6,588.75	6,563.31	25.44	258.945		
3,300.00	3,231.79	3,308.30	3,303.00	16.63	10.84	160.69	-2,071.47	-5,653.77	6,608.71	6,582.38	26.34	250.924		
3,400.00	3,329.24	3,404.85	3,399.10	17.14	11.27	160.83	-2,062.26	-5,655.48	6,628.72	6,601.48	27.23	243.404		
3,500.00	3,426.68	3,501.41	3,495.21	17.66	11.70	160.98	-2,053.05	-5,657.19	6,648.76	6,620.63	28.13	236.342		
3,600.00	3,524.12	3,602.03	3,591.31	18.18	12.16	161.12	-2,043.84	-5,658.90	6,668.85	6,639.80	29.05	229.554		
3,700.00	3,621.57	3,705.47	3,687.41	18.69	12.63	161.26	-2,034.63	-5,660.61	6,688.98	6,658.99	29.99	223.071		
3,800.00	3,719.01	3,808.91	3,783.52	19.21	13.10	161.40	-2,025.41	-5,662.31	6,709.15	6,678.22	30.92	216.966		
3,900.00	3,816.45	3,887.65	3,879.62	19.73	13.46	161.54	-2,016.20	-5,664.02	6,729.35	6,697.61	31.75	211.959		
4,000.00	3,913.90	3,984.21	3,975.72	20.25	13.90	161.68	-2,006.99	-5,665.73	6,749.60	6,716.94	32.66	206.682		
4,100.00	4,011.34	4,080.77	4,071.83	20.77	14.34	161.82	-1,997.78	-5,667.44	6,769.89	6,736.32	33.57	201.684		
4,200.00	4,108.78	4,177.33	4,167.93	21.29	14.78	161.96	-1,988.57	-5,669.15	6,790.22	6,755.74	34.48	196.943		
4,300.00	4,206.22	4,273.89	4,264.03	21.81	15.23	162.10	-1,979.36	-5,670.86	6,810.58	6,775.19	35.39	192.441		
4,400.00	4,303.67	4,370.45	4,360.14	22.33	15.68	162.23	-1,970.14	-5,672.57	6,830.98	6,794.68	36.30	188.161		
4,500.00	4,401.11	4,467.01	4,456.24	22.85	16.12	162.37	-1,960.93	-5,674.27	6,851.42	6,814.21	37.22	184.087		
4,600.00	4,498.55	4,563.57	4,552.35	23.37	16.57	162.51	-1,951.72	-5,675.98	6,871.90	6,833.77	38.13	180.206		
4,700.00	4,596.00	4,660.12	4,648.45	23.89	17.02	162.64	-1,942.51	-5,677.69	6,892.42	6,853.37	39.05	176.503		
4,800.00	4,693.44	4,756.68	4,744.55	24.41	17.47	162.77	-1,933.30	-5,679.40	6,912.97	6,873.01	39.97	172.969		
4,900.00	4,790.88	4,853.24	4,840.66	24.93	17.92	162.91	-1,924.08	-5,681.11	6,933.56	6,892.68	40.88	169.590		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Survey Program: 2000-MWD														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,888.33	4,947.06	4,934.03	25.46	18.35	163.03	-1,915.16	-5,682.76	6,954.19	6,912.40	41.79	166.420			
5,100.00	4,985.77	5,026.00	5,012.72	25.98	18.71	163.13	-1,909.02	-5,683.90	6,975.01	6,932.41	42.60	163.718			
5,200.00	5,083.21	5,105.43	5,092.04	26.50	19.06	163.21	-1,905.00	-5,684.65	6,996.10	6,952.69	43.41	161.150			
5,300.00	5,180.66	5,185.22	5,171.81	27.02	19.40	163.27	-1,903.13	-5,685.00	7,017.45	6,973.24	44.21	158.730			
5,400.00	5,278.10	5,276.51	5,263.10	27.55	19.78	163.32	-1,902.99	-5,685.02	7,039.00	6,993.95	45.06	156.225			
5,500.00	5,375.54	5,373.95	5,360.54	28.07	20.19	163.37	-1,902.99	-5,685.02	7,060.57	7,014.64	45.93	153.714			
5,582.90	5,456.32	5,454.73	5,441.32	28.50	20.52	163.41	-1,902.99	-5,685.02	7,078.46	7,031.80	46.66	151.703			
5,600.00	5,473.00	5,471.41	5,458.00	28.59	20.59	163.44	-1,902.99	-5,685.02	7,082.10	7,035.29	46.81	151.296			
5,700.00	5,570.93	5,569.34	5,555.93	29.10	21.00	163.60	-1,902.99	-5,685.02	7,101.48	7,053.80	47.68	148.937			
5,800.00	5,669.52	5,667.93	5,654.52	29.57	21.41	163.73	-1,902.99	-5,685.02	7,117.58	7,069.03	48.55	146.618			
5,900.00	5,768.62	5,767.03	5,753.62	30.03	21.82	163.83	-1,902.99	-5,685.02	7,130.35	7,080.95	49.40	144.338			
6,000.00	5,868.13	5,866.54	5,853.13	30.45	22.24	163.91	-1,902.99	-5,685.02	7,139.80	7,089.55	50.25	142.096			
6,100.00	5,967.93	5,966.34	5,952.93	30.86	22.66	163.95	-1,902.99	-5,685.02	7,145.91	7,094.83	51.08	139.892			
6,200.00	6,067.88	6,066.29	6,052.88	31.24	23.07	163.98	-1,902.99	-5,685.02	7,148.66	7,096.76	51.90	137.726			
6,232.12	6,100.00	6,098.41	6,085.00	31.36	23.21	-105.31	-1,902.99	-5,685.02	7,148.83	7,096.67	52.16	137.047			
6,300.00	6,167.88	6,166.29	6,152.88	31.61	23.49	-105.31	-1,902.99	-5,685.02	7,148.83	7,096.13	52.70	135.647			
6,400.00	6,267.88	6,266.29	6,252.88	31.97	23.91	-105.31	-1,902.99	-5,685.02	7,148.83	7,095.34	53.50	133.632			
6,500.00	6,367.88	6,366.29	6,352.88	32.34	24.33	-105.31	-1,902.99	-5,685.02	7,148.83	7,094.54	54.29	131.671			
6,600.00	6,467.88	6,466.29	6,452.88	32.70	24.75	-105.31	-1,902.99	-5,685.02	7,148.83	7,093.74	55.09	129.763			
6,700.00	6,567.88	6,566.29	6,552.88	33.07	25.16	-105.31	-1,902.99	-5,685.02	7,148.83	7,092.94	55.89	127.905			
6,736.50	6,604.38	6,602.79	6,589.38	33.21	25.32	-105.31	-1,902.99	-5,685.02	7,148.83	7,092.65	56.18	127.239			
6,750.00	6,617.88	6,616.29	6,602.88	33.25	25.37	-18.22	-1,902.99	-5,685.02	7,148.70	7,092.41	56.29	126.997			
6,800.00	6,667.77	6,651.81	6,638.37	33.43	25.09	-18.29	-1,904.39	-5,685.02	7,147.11	7,091.03	56.08	127.446			
6,850.00	6,717.28	6,696.00	6,682.53	33.60	25.14	-18.47	-1,905.38	-5,685.02	7,141.45	7,085.19	56.26	126.936			
6,900.00	6,766.09	6,600.00	6,586.35	33.79	25.27	-18.78	-1,908.82	-5,685.02	7,132.45	7,075.93	56.52	126.188			
6,950.00	6,813.90	6,600.00	6,586.35	33.99	25.27	-19.16	-1,908.82	-5,685.02	7,119.88	7,063.27	56.61	125.771			
7,000.00	6,860.42	6,600.00	6,586.35	34.20	25.27	-19.66	-1,908.82	-5,685.02	7,104.07	7,047.39	56.68	125.330			
7,050.00	6,905.36	6,600.00	6,586.35	34.42	25.27	-20.29	-1,908.82	-5,685.02	7,085.11	7,028.36	56.74	124.864			
7,100.00	6,948.45	6,600.00	6,586.35	34.67	25.27	-21.07	-1,908.82	-5,685.02	7,063.08	7,006.29	56.79	124.371			
7,150.00	6,989.41	6,642.73	6,628.58	34.94	25.40	-22.18	-1,915.27	-5,685.02	7,037.64	6,980.62	57.01	123.438			
7,200.00	7,028.00	6,653.35	6,639.02	35.24	25.44	-23.41	-1,917.24	-5,685.02	7,009.56	6,952.47	57.09	122.779			
7,250.00	7,063.98	6,663.18	6,648.66	35.56	25.47	-24.89	-1,919.19	-5,685.02	6,978.75	6,921.59	57.16	122.093			
7,300.00	7,097.13	6,700.00	6,684.50	35.92	25.58	-26.88	-1,927.60	-5,685.02	6,945.58	6,888.23	57.34	121.120			
7,350.00	7,127.23	6,700.00	6,684.50	36.32	25.58	-29.05	-1,927.60	-5,685.02	6,909.72	6,852.36	57.37	120.449			
7,400.00	7,154.12	6,700.00	6,684.50	36.75	25.58	-31.71	-1,927.60	-5,685.02	6,871.73	6,814.34	57.39	119.739			
7,450.00	7,177.61	6,700.00	6,684.50	37.22	25.58	-35.00	-1,927.60	-5,685.02	6,831.78	6,774.36	57.42	118.987			
7,500.00	7,197.57	6,700.00	6,684.50	37.73	25.58	-39.09	-1,927.60	-5,685.02	6,790.10	6,732.65	57.45	118.194			
7,550.00	7,213.88	6,700.00	6,684.50	38.28	25.58	-44.22	-1,927.60	-5,685.02	6,746.92	6,689.43	57.49	117.357			
7,600.00	7,226.42	6,700.00	6,684.50	38.87	25.58	-50.65	-1,927.60	-5,685.02	6,702.47	6,644.93	57.54	116.477			
7,650.00	7,235.13	6,700.00	6,684.50	39.48	25.58	-58.67	-1,927.60	-5,685.02	6,657.01	6,599.40	57.61	115.555			
7,700.00	7,239.95	6,700.00	6,684.50	40.12	25.58	-68.41	-1,927.60	-5,685.02	6,610.80	6,553.11	57.69	114.593			
7,735.44	7,241.00	6,700.00	6,684.50	40.59	25.58	-76.28	-1,927.60	-5,685.02	6,577.73	6,519.98	57.76	113.887			
7,800.00	7,241.11	6,700.00	6,684.50	41.47	25.58	-76.28	-1,927.60	-5,685.02	6,517.39	6,459.49	57.89	112.577			
7,900.00	7,241.27	6,700.00	6,684.50	42.96	25.58	-76.28	-1,927.60	-5,685.02	6,424.07	6,365.93	58.14	110.495			
8,000.00	7,241.44	6,700.00	6,684.50	44.59	25.58	-76.28	-1,927.60	-5,685.02	6,330.96	6,272.53	58.43	108.350			
8,100.00	7,241.61	6,700.00	6,684.50	46.34	25.58	-76.28	-1,927.60	-5,685.02	6,238.06	6,179.29	58.77	106.141			
8,200.00	7,241.77	6,700.00	6,684.50	48.20	25.58	-76.28	-1,927.60	-5,685.02	6,145.39	6,086.23	59.16	103.872			
8,300.00	7,241.94	6,700.00	6,684.50	50.16	25.58	-76.28	-1,927.60	-5,685.02	6,052.95	5,993.34	59.61	101.545			
8,400.00	7,242.11	6,700.00	6,684.50	52.20	25.58	-76.28	-1,927.60	-5,685.02	5,960.75	5,900.64	60.11	99.164			
8,500.00	7,242.27	6,700.00	6,684.50	54.31	25.58	-76.28	-1,927.60	-5,685.02	5,868.81	5,808.14	60.67	96.734			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	6,700.00	6,684.50	56.49	25.58	-76.28	-1,927.60	-5,685.02	5,777.14	5,715.84	61.29	94.257		
8,700.00	7,242.60	6,700.00	6,684.50	58.73	25.58	-76.28	-1,927.60	-5,685.02	5,685.74	5,623.77	61.98	91.741		
8,800.00	7,242.77	6,700.00	6,684.50	61.03	25.58	-76.28	-1,927.60	-5,685.02	5,594.64	5,531.92	62.73	89.191		
8,900.00	7,242.94	6,700.00	6,684.50	63.37	25.58	-76.28	-1,927.60	-5,685.02	5,503.85	5,440.31	63.55	86.612		
9,000.00	7,243.10	6,700.00	6,684.50	65.75	25.58	-76.28	-1,927.60	-5,685.02	5,413.39	5,348.95	64.44	84.012		
9,100.00	7,243.27	6,700.00	6,684.50	68.18	25.58	-76.28	-1,927.60	-5,685.02	5,323.26	5,257.87	65.40	81.397		
9,200.00	7,243.44	6,700.00	6,684.50	70.63	25.58	-76.28	-1,927.60	-5,685.02	5,233.50	5,167.06	66.44	78.774		
9,300.00	7,243.60	6,700.00	6,684.50	73.12	25.58	-76.28	-1,927.60	-5,685.02	5,144.11	5,076.56	67.55	76.150		
9,400.00	7,243.77	6,700.00	6,684.50	75.63	25.58	-76.28	-1,927.60	-5,685.02	5,055.12	4,986.37	68.75	73.531		
9,500.00	7,243.94	6,700.00	6,684.50	78.17	25.58	-76.28	-1,927.60	-5,685.02	4,966.55	4,896.53	70.03	70.924		
9,600.00	7,244.10	6,700.00	6,684.50	80.73	25.58	-76.28	-1,927.60	-5,685.02	4,878.42	4,807.03	71.39	68.336		
9,700.00	7,244.27	6,700.00	6,684.50	83.31	25.58	-76.28	-1,927.60	-5,685.02	4,790.76	4,717.92	72.84	65.772		
9,800.00	7,244.44	6,700.00	6,684.50	85.91	25.58	-76.28	-1,927.60	-5,685.02	4,703.59	4,629.21	74.38	63.239		
9,900.00	7,244.60	6,700.00	6,684.50	88.53	25.58	-76.28	-1,927.60	-5,685.02	4,616.94	4,540.93	76.01	60.742		
10,000.00	7,244.77	6,700.00	6,684.50	91.16	25.58	-76.28	-1,927.60	-5,685.02	4,530.84	4,453.10	77.74	58.286		
10,100.00	7,244.94	6,700.00	6,684.50	93.81	25.58	-76.28	-1,927.60	-5,685.02	4,445.32	4,365.76	79.56	55.875		
10,200.00	7,245.10	6,700.00	6,684.50	96.46	25.58	-76.28	-1,927.60	-5,685.02	4,360.42	4,278.93	81.48	53.514		
10,300.00	7,245.27	6,700.00	6,684.50	99.14	25.58	-76.28	-1,927.60	-5,685.02	4,276.17	4,192.66	83.51	51.206		
10,400.00	7,245.43	6,700.00	6,684.50	101.82	25.58	-76.28	-1,927.60	-5,685.02	4,192.61	4,106.97	85.64	48.955		
10,500.00	7,245.60	6,700.00	6,684.50	104.51	25.58	-76.28	-1,927.60	-5,685.02	4,109.79	4,021.90	87.88	46.764		
10,600.00	7,245.77	6,700.00	6,684.50	107.21	25.58	-76.28	-1,927.60	-5,685.02	4,027.74	3,937.51	90.24	44.636		
10,700.00	7,245.93	6,700.00	6,684.50	109.92	25.58	-76.28	-1,927.60	-5,685.02	3,946.53	3,853.82	92.70	42.571		
10,800.00	7,246.10	6,700.00	6,684.50	112.64	25.58	-76.28	-1,927.60	-5,685.02	3,866.19	3,770.90	95.29	40.572		
10,900.00	7,246.27	6,700.00	6,684.50	115.37	25.58	-76.28	-1,927.60	-5,685.02	3,786.80	3,688.80	98.00	38.641		
11,000.00	7,246.43	6,700.00	6,684.50	118.10	25.58	-76.28	-1,927.60	-5,685.02	3,708.40	3,607.56	100.83	36.778		
11,100.00	7,246.60	6,700.00	6,684.50	120.84	25.58	-76.28	-1,927.60	-5,685.02	3,631.06	3,527.26	103.79	34.984		
11,200.00	7,246.77	6,700.00	6,684.50	123.58	25.58	-76.28	-1,927.60	-5,685.02	3,554.85	3,447.97	106.88	33.260		
11,300.00	7,246.93	6,700.00	6,684.50	126.34	25.58	-76.28	-1,927.60	-5,685.02	3,479.84	3,369.74	110.10	31.606		
11,340.34	7,247.00	6,700.00	6,684.50	127.45	25.58	-76.28	-1,927.60	-5,685.02	3,449.95	3,338.51	111.44	30.959		
11,400.00	7,247.10	6,700.00	6,684.50	129.09	25.58	-75.96	-1,927.60	-5,685.02	3,405.71	3,292.29	113.43	30.025		
11,500.00	7,247.27	6,700.00	6,684.50	131.84	25.58	-75.39	-1,927.60	-5,685.02	3,330.82	3,214.06	116.76	28.527		
11,586.15	7,247.43	6,700.00	6,684.50	134.20	25.58	-74.87	-1,927.60	-5,685.02	3,265.56	3,145.95	119.62	27.300		
11,600.00	7,247.45	6,700.00	6,684.50	134.57	25.58	-74.87	-1,927.60	-5,685.02	3,255.03	3,134.95	120.08	27.108		
11,700.00	7,247.64	6,700.00	6,684.50	137.31	25.58	-74.87	-1,927.60	-5,685.02	3,179.73	3,056.25	123.47	25.752		
11,800.00	7,247.82	6,700.00	6,684.50	140.05	25.58	-74.87	-1,927.60	-5,685.02	3,105.82	2,978.82	127.01	24.454		
11,900.00	7,248.00	6,700.00	6,684.50	142.79	25.58	-74.87	-1,927.60	-5,685.02	3,033.42	2,902.74	130.68	23.212		
12,000.00	7,248.18	6,700.00	6,684.50	145.53	25.58	-74.87	-1,927.60	-5,685.02	2,962.62	2,828.12	134.49	22.028		
12,100.00	7,248.37	6,700.00	6,684.50	148.28	25.58	-74.87	-1,927.60	-5,685.02	2,893.54	2,755.09	138.44	20.901		
12,200.00	7,248.55	6,700.00	6,684.50	151.04	25.58	-74.87	-1,927.60	-5,685.02	2,826.31	2,683.78	142.53	19.830		
12,300.00	7,248.73	6,700.00	6,684.50	153.80	25.58	-74.87	-1,927.60	-5,685.02	2,761.07	2,614.33	146.74	18.816		
12,400.00	7,248.91	6,700.00	6,684.50	156.56	25.58	-74.87	-1,927.60	-5,685.02	2,697.96	2,546.88	151.08	17.858		
12,500.00	7,249.10	6,700.00	6,684.50	159.32	25.58	-74.87	-1,927.60	-5,685.02	2,637.13	2,481.60	155.53	16.956		
12,600.00	7,249.28	6,700.00	6,684.50	162.09	25.58	-74.87	-1,927.60	-5,685.02	2,578.75	2,418.67	160.08	16.109		
12,700.00	7,249.46	6,700.00	6,684.50	164.86	25.58	-74.87	-1,927.60	-5,685.02	2,522.97	2,358.26	164.71	15.318		
12,800.00	7,249.64	6,700.00	6,684.50	167.63	25.58	-74.87	-1,927.60	-5,685.02	2,469.99	2,300.59	169.41	14.580		
12,900.00	7,249.83	6,700.00	6,684.50	170.40	25.58	-74.87	-1,927.60	-5,685.02	2,419.99	2,245.84	174.15	13.896		
13,000.00	7,250.01	6,700.00	6,684.50	173.18	25.58	-74.87	-1,927.60	-5,685.02	2,373.15	2,194.25	178.90	13.265		
13,100.00	7,250.19	6,700.00	6,684.50	175.96	25.58	-74.87	-1,927.60	-5,685.02	2,329.65	2,146.03	183.63	12.687		
13,200.00	7,250.37	6,700.00	6,684.50	178.74	25.58	-74.87	-1,927.60	-5,685.02	2,289.71	2,101.40	188.31	12.160		
13,300.00	7,250.56	6,700.00	6,684.50	181.52	25.58	-74.87	-1,927.60	-5,685.02	2,253.49	2,060.61	192.89	11.683		
13,400.00	7,250.74	6,700.00	6,684.50	184.31	25.58	-74.87	-1,927.60	-5,685.02	2,221.20	2,023.86	197.34	11.256		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Survey Program: 2000-MWD														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,500.00	7,250.92	6,700.00	6,684.50	187.09	25.58	-74.87	-1,927.60	-5,685.02	2,192.98	1,991.38	201.60	10.878			
13,600.00	7,251.10	6,700.00	6,684.50	189.88	25.58	-74.87	-1,927.60	-5,685.02	2,169.02	1,963.37	205.65	10.547			
13,700.00	7,251.29	6,700.00	6,684.50	192.67	25.58	-74.87	-1,927.60	-5,685.02	2,149.45	1,940.03	209.42	10.264			
13,800.00	7,251.47	6,700.00	6,684.50	195.47	25.58	-74.87	-1,927.60	-5,685.02	2,134.39	1,921.50	212.89	10.026			
13,900.00	7,251.65	6,700.00	6,684.50	198.26	25.58	-74.87	-1,927.60	-5,685.02	2,123.93	1,907.92	216.01	9.833			
14,000.00	7,251.83	6,700.00	6,684.50	201.05	25.58	-74.87	-1,927.60	-5,685.02	2,118.15	1,899.40	218.75	9.683			
14,072.64	7,251.96	6,700.00	6,684.50	203.09	25.58	-74.87	-1,927.60	-5,685.02	2,116.90	1,896.41	220.49	9.601 CC			
14,100.00	7,252.01	6,700.00	6,684.50	203.85	25.58	-74.87	-1,927.60	-5,685.02	2,117.08	1,895.99	221.09	9.576 ES			
14,200.00	7,252.20	6,700.00	6,684.50	206.65	25.58	-74.87	-1,927.60	-5,685.02	2,120.73	1,897.72	223.01	9.510			
14,300.00	7,252.38	6,700.00	6,684.50	209.45	25.58	-74.87	-1,927.60	-5,685.02	2,129.08	1,904.58	224.50	9.484 SF			
14,400.00	7,252.56	6,700.00	6,684.50	212.25	25.58	-74.87	-1,927.60	-5,685.02	2,142.06	1,916.51	225.56	9.497			
14,500.00	7,252.74	6,700.00	6,684.50	215.05	25.58	-74.87	-1,927.60	-5,685.02	2,159.61	1,933.41	226.20	9.548			
14,600.00	7,252.93	6,700.00	6,684.50	217.86	25.58	-74.87	-1,927.60	-5,685.02	2,181.60	1,955.17	226.43	9.635			
14,700.00	7,253.11	6,700.00	6,684.50	220.66	25.58	-74.87	-1,927.60	-5,685.02	2,207.91	1,981.63	226.28	9.757			
14,800.00	7,253.29	6,700.00	6,684.50	223.47	25.58	-74.87	-1,927.60	-5,685.02	2,238.38	2,012.60	225.78	9.914			
14,900.00	7,253.47	6,700.00	6,684.50	226.27	25.58	-74.87	-1,927.60	-5,685.02	2,272.84	2,047.89	224.95	10.104			
15,000.00	7,253.66	6,700.00	6,684.50	229.08	25.58	-74.87	-1,927.60	-5,685.02	2,311.12	2,087.29	223.83	10.325			
15,100.00	7,253.84	6,700.00	6,684.50	231.89	25.58	-74.87	-1,927.60	-5,685.02	2,353.03	2,130.57	222.46	10.577			
15,200.00	7,254.02	6,700.00	6,684.50	234.70	25.58	-74.87	-1,927.60	-5,685.02	2,398.38	2,177.51	220.87	10.859			
15,300.00	7,254.20	6,700.00	6,684.50	237.51	25.58	-74.87	-1,927.60	-5,685.02	2,446.98	2,227.89	219.08	11.169			
15,400.00	7,254.39	6,700.00	6,684.50	240.32	25.58	-74.87	-1,927.60	-5,685.02	2,498.63	2,281.48	217.15	11.507			
15,500.00	7,254.57	6,700.00	6,684.50	243.13	25.58	-74.87	-1,927.60	-5,685.02	2,553.16	2,338.08	215.09	11.870			
15,600.00	7,254.75	6,700.00	6,684.50	245.94	25.58	-74.87	-1,927.60	-5,685.02	2,610.39	2,397.46	212.93	12.260			
15,700.00	7,254.93	6,700.00	6,684.50	248.76	25.58	-74.87	-1,927.60	-5,685.02	2,670.13	2,459.43	210.69	12.673			
15,800.00	7,255.12	6,700.00	6,684.50	251.57	25.58	-74.87	-1,927.60	-5,685.02	2,732.23	2,523.82	208.41	13.110			
15,900.00	7,255.30	6,700.00	6,684.50	254.39	25.58	-74.87	-1,927.60	-5,685.02	2,796.52	2,590.43	206.09	13.569			
16,000.00	7,255.48	6,700.00	6,684.50	257.20	25.58	-74.87	-1,927.60	-5,685.02	2,862.87	2,659.11	203.76	14.050			
16,100.00	7,255.66	6,700.00	6,684.50	260.02	25.58	-74.87	-1,927.60	-5,685.02	2,931.12	2,729.70	201.42	14.552			
16,200.00	7,255.85	6,700.00	6,684.50	262.84	25.58	-74.87	-1,927.60	-5,685.02	3,001.16	2,802.06	199.10	15.074			
16,300.00	7,256.03	6,700.00	6,684.50	265.65	25.58	-74.87	-1,927.60	-5,685.02	3,072.85	2,876.06	196.79	15.615			
16,400.00	7,256.21	6,700.00	6,684.50	268.47	25.58	-74.87	-1,927.60	-5,685.02	3,146.09	2,951.57	194.52	16.174			
16,500.00	7,256.39	6,700.00	6,684.50	271.29	25.58	-74.87	-1,927.60	-5,685.02	3,220.77	3,028.50	192.28	16.751			
16,600.00	7,256.58	6,700.00	6,684.50	274.11	25.58	-74.87	-1,927.60	-5,685.02	3,296.79	3,106.72	190.08	17.345			
16,700.00	7,256.76	6,700.00	6,684.50	276.93	25.58	-74.87	-1,927.60	-5,685.02	3,374.07	3,186.15	187.92	17.955			
16,800.00	7,256.94	6,700.00	6,684.50	279.75	25.58	-74.87	-1,927.60	-5,685.02	3,452.50	3,266.69	185.81	18.581			
16,900.00	7,257.12	6,700.00	6,684.50	282.57	25.58	-74.87	-1,927.60	-5,685.02	3,532.03	3,348.28	183.75	19.221			
17,000.00	7,257.30	6,700.00	6,684.50	285.40	25.58	-74.87	-1,927.60	-5,685.02	3,612.58	3,430.83	181.75	19.877			
17,100.00	7,257.49	6,700.00	6,684.50	288.22	25.58	-74.87	-1,927.60	-5,685.02	3,694.08	3,514.28	179.80	20.546			
17,200.00	7,257.67	6,700.00	6,684.50	291.04	25.58	-74.87	-1,927.60	-5,685.02	3,776.46	3,598.57	177.90	21.228			
17,300.00	7,257.85	6,700.00	6,684.50	293.87	25.58	-74.87	-1,927.60	-5,685.02	3,859.68	3,683.63	176.05	21.924			
17,400.00	7,258.03	6,700.00	6,684.50	296.69	25.58	-74.87	-1,927.60	-5,685.02	3,943.68	3,769.42	174.26	22.631			
17,500.00	7,258.22	6,700.00	6,684.50	299.51	25.58	-74.87	-1,927.60	-5,685.02	4,028.41	3,855.89	172.52	23.351			
17,600.00	7,258.40	6,700.00	6,684.50	302.34	25.58	-74.87	-1,927.60	-5,685.02	4,113.83	3,943.00	170.83	24.081			
17,700.00	7,258.58	6,700.00	6,684.50	305.16	25.58	-74.87	-1,927.60	-5,685.02	4,199.89	4,030.69	169.19	24.823			
17,800.00	7,258.76	6,700.00	6,684.50	307.99	25.58	-74.87	-1,927.60	-5,685.02	4,286.55	4,118.94	167.61	25.575			
17,900.00	7,258.95	6,700.00	6,684.50	310.82	25.58	-74.87	-1,927.60	-5,685.02	4,373.78	4,207.72	166.07	26.337			
18,000.00	7,259.13	6,700.00	6,684.50	313.64	25.58	-74.87	-1,927.60	-5,685.02	4,461.55	4,296.98	164.58	27.109			
18,100.00	7,259.31	6,700.00	6,684.50	316.47	25.58	-74.87	-1,927.60	-5,685.02	4,549.83	4,386.69	163.13	27.890			
18,200.00	7,259.49	6,700.00	6,684.50	319.30	25.58	-74.87	-1,927.60	-5,685.02	4,638.58	4,476.84	161.73	28.680			
18,300.00	7,259.68	6,700.00	6,684.50	322.12	25.58	-74.87	-1,927.60	-5,685.02	4,727.78	4,567.40	160.38	29.479			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Harvesters Resources #15U-443(PR) - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 2000-MWD												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N-S	Offset Wellbore Centre +E-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
18,400.00	7,259.86	6,700.00	6,684.50	324.95	25.58	-74.87	-1,927.60	-5,685.02	4,817.40	4,658.34	159.07	30.286	
18,500.00	7,260.04	6,700.00	6,684.50	327.78	25.58	-74.87	-1,927.60	-5,685.02	4,907.43	4,749.63	157.79	31.100	
18,600.00	7,260.22	6,700.00	6,684.50	330.61	25.58	-74.87	-1,927.60	-5,685.02	4,997.83	4,841.27	156.56	31.923	
18,700.00	7,260.41	6,700.00	6,684.50	333.44	25.58	-74.87	-1,927.60	-5,685.02	5,088.59	4,933.23	155.37	32.752	
18,800.00	7,260.59	6,700.00	6,684.50	336.27	25.58	-74.87	-1,927.60	-5,685.02	5,179.70	5,025.49	154.21	33.589	
18,900.00	7,260.77	6,700.00	6,684.50	339.10	25.58	-74.87	-1,927.60	-5,685.02	5,271.12	5,118.03	153.09	34.432	
19,000.00	7,260.95	6,700.00	6,684.50	341.93	25.58	-74.87	-1,927.60	-5,685.02	5,362.85	5,210.85	152.00	35.282	
19,025.91	7,261.00	6,700.00	6,684.50	342.66	25.58	-74.87	-1,927.60	-5,685.02	5,386.67	5,234.95	151.72	35.503	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - J.R. #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-11.42	1,373.43	-277.53	1,404.34					
100.00	100.00	6.00	6.00	3.28	3.28	-11.42	1,373.43	-277.53	1,401.19	1,394.62	6.57	213.388		
200.00	200.00	106.00	106.00	3.34	3.82	-11.42	1,373.43	-277.53	1,401.19	1,394.03	7.16	195.821		
300.00	299.98	205.98	205.98	3.44	6.36	-102.20	1,373.43	-277.53	1,401.56	1,391.76	9.80	143.027		
400.00	399.84	305.84	305.84	3.60	9.51	-102.38	1,373.43	-277.53	1,402.67	1,389.56	13.11	106.980		
500.00	499.45	405.45	405.45	3.81	12.84	-102.69	1,373.43	-277.53	1,404.57	1,387.94	16.63	84.439		
600.00	598.70	504.70	504.70	4.05	16.21	-103.12	1,373.43	-277.53	1,407.31	1,387.06	20.25	69.486		
700.00	697.47	603.47	603.47	4.34	19.60	-103.66	1,373.43	-277.53	1,410.98	1,387.05	23.93	58.969		
800.00	795.62	701.62	701.62	4.66	22.98	-104.31	1,373.43	-277.53	1,415.67	1,388.03	27.64	51.226		
849.22	843.68	749.68	749.68	4.84	24.65	-104.66	1,373.43	-277.53	1,418.39	1,388.92	29.47	48.131		
900.00	893.16	800.84	799.16	5.02	26.42	-105.09	1,373.43	-277.53	1,421.39	1,389.97	31.43	45.231		
1,000.00	990.60	903.40	896.60	5.41	29.97	-105.95	1,373.43	-277.53	1,427.55	1,392.19	35.37	40.366		
1,100.00	1,088.05	1,005.95	994.05	5.83	33.53	-106.79	1,373.43	-277.53	1,434.04	1,394.71	39.33	36.461		
1,200.00	1,185.49	1,108.51	1,091.49	6.26	37.10	-107.62	1,373.43	-277.53	1,440.84	1,397.53	43.31	33.264		
1,300.00	1,282.93	1,188.93	1,188.93	6.70	39.90	-108.45	1,373.43	-277.53	1,447.96	1,401.42	46.54	31.110		
1,400.00	1,380.37	1,286.37	1,286.37	7.15	43.29	-109.27	1,373.43	-277.53	1,455.40	1,405.02	50.38	28.890		
1,500.00	1,477.82	1,383.82	1,383.82	7.62	46.68	-110.08	1,373.43	-277.53	1,463.14	1,408.92	54.22	26.985		
1,600.00	1,575.26	1,481.26	1,481.26	8.09	50.07	-110.89	1,373.43	-277.53	1,471.18	1,413.11	58.07	25.335		
1,700.00	1,672.70	1,578.70	1,578.70	8.57	53.47	-111.68	1,373.43	-277.53	1,479.52	1,417.60	61.93	23.892		
1,800.00	1,770.15	1,676.15	1,676.15	9.05	56.86	-112.47	1,373.43	-277.53	1,488.16	1,422.37	65.79	22.621		
1,900.00	1,867.59	1,773.59	1,773.59	9.54	60.26	-113.25	1,373.43	-277.53	1,497.08	1,427.43	69.65	21.494		
2,000.00	1,965.03	1,871.03	1,871.03	10.03	63.66	-114.01	1,373.43	-277.53	1,506.28	1,432.76	73.52	20.488		
2,100.00	2,062.48	1,968.48	1,968.48	10.53	67.05	-114.77	1,373.43	-277.53	1,515.76	1,438.37	77.39	19.586		
2,200.00	2,159.92	2,065.92	2,065.92	11.03	70.45	-115.52	1,373.43	-277.53	1,525.52	1,444.25	81.26	18.773		
2,300.00	2,257.36	2,163.36	2,163.36	11.53	73.85	-116.27	1,373.43	-277.53	1,535.53	1,450.40	85.13	18.036		
2,400.00	2,354.81	2,260.81	2,260.81	12.03	77.25	-117.00	1,373.43	-277.53	1,545.82	1,456.81	89.01	17.367		
2,500.00	2,452.25	2,358.25	2,358.25	12.54	80.65	-117.72	1,373.43	-277.53	1,556.35	1,463.47	92.89	16.756		
2,600.00	2,549.69	2,455.69	2,455.69	13.04	84.05	-118.43	1,373.43	-277.53	1,567.14	1,470.38	96.76	16.196		
2,700.00	2,647.13	2,553.13	2,553.13	13.55	87.45	-119.14	1,373.43	-277.53	1,578.18	1,477.54	100.64	15.682		
2,800.00	2,744.58	2,650.58	2,650.58	14.06	90.85	-119.83	1,373.43	-277.53	1,589.45	1,484.94	104.52	15.208		
2,900.00	2,842.02	2,748.02	2,748.02	14.57	94.25	-120.51	1,373.43	-277.53	1,600.97	1,492.57	108.39	14.770		
3,000.00	2,939.46	2,845.46	2,845.46	15.09	97.64	-121.19	1,373.43	-277.53	1,612.71	1,500.44	112.27	14.365		
3,100.00	3,036.91	2,942.91	2,942.91	15.60	101.04	-121.85	1,373.43	-277.53	1,624.68	1,508.53	116.15	13.988		
3,200.00	3,134.35	3,040.35	3,040.35	16.11	104.44	-122.51	1,373.43	-277.53	1,636.87	1,516.84	120.02	13.638		
3,300.00	3,231.79	3,137.79	3,137.79	16.63	107.84	-123.16	1,373.43	-277.53	1,649.27	1,525.37	123.90	13.311		
3,400.00	3,329.24	3,235.24	3,235.24	17.14	111.25	-123.79	1,373.43	-277.53	1,661.89	1,534.11	127.78	13.006		
3,500.00	3,426.68	3,332.68	3,332.68	17.66	114.65	-124.42	1,373.43	-277.53	1,674.71	1,543.06	131.65	12.721		
3,600.00	3,524.12	3,430.12	3,430.12	18.18	118.05	-125.04	1,373.43	-277.53	1,687.74	1,552.21	135.53	12.453		
3,700.00	3,621.57	3,527.57	3,527.57	18.69	121.45	-125.65	1,373.43	-277.53	1,700.96	1,561.56	139.40	12.202		
3,800.00	3,719.01	3,625.01	3,625.01	19.21	124.85	-126.25	1,373.43	-277.53	1,714.38	1,571.10	143.28	11.965		
3,900.00	3,816.45	3,722.45	3,722.45	19.73	128.25	-126.84	1,373.43	-277.53	1,727.98	1,580.83	147.15	11.743		
4,000.00	3,913.90	3,819.90	3,819.90	20.25	131.65	-127.42	1,373.43	-277.53	1,741.76	1,590.74	151.03	11.533		
4,100.00	4,011.34	3,917.34	3,917.34	20.77	135.05	-128.00	1,373.43	-277.53	1,755.73	1,600.83	154.90	11.335		
4,200.00	4,108.78	4,014.78	4,014.78	21.29	138.45	-128.56	1,373.43	-277.53	1,769.87	1,611.10	158.77	11.147		
4,300.00	4,206.22	4,112.22	4,112.22	21.81	141.85	-129.12	1,373.43	-277.53	1,784.18	1,621.54	162.64	10.970		
4,400.00	4,303.67	4,209.67	4,209.67	22.33	145.25	-129.66	1,373.43	-277.53	1,798.66	1,632.14	166.52	10.802		
4,500.00	4,401.11	4,307.11	4,307.11	22.85	148.65	-130.20	1,373.43	-277.53	1,813.30	1,642.91	170.39	10.642		
4,600.00	4,498.55	4,404.55	4,404.55	23.37	152.05	-130.73	1,373.43	-277.53	1,828.10	1,653.84	174.26	10.491		
4,700.00	4,596.00	4,502.00	4,502.00	23.89	155.45	-131.25	1,373.43	-277.53	1,843.06	1,664.93	178.13	10.347		
4,800.00	4,693.44	4,600.56	4,599.44	24.41	158.89	-131.77	1,373.43	-277.53	1,858.16	1,676.12	182.04	10.207		
4,900.00	4,790.88	4,703.12	4,696.88	24.93	162.47	-132.27	1,373.43	-277.53	1,873.42	1,687.33	186.09	10.067		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - J.R. #1(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,888.33	4,805.67	4,794.33	25.46	166.05	-132.77	1,373.43	-277.53	1,888.82	1,698.68	190.14	9.934			
5,100.00	4,985.77	4,908.23	4,891.77	25.98	169.63	-133.26	1,373.43	-277.53	1,904.36	1,710.17	194.18	9.807			
5,200.00	5,083.21	4,989.21	4,989.21	26.50	172.46	-133.74	1,373.43	-277.53	1,920.03	1,722.55	197.48	9.723			
5,300.00	5,180.66	5,086.66	5,086.66	27.02	175.86	-134.21	1,373.43	-277.53	1,935.84	1,734.49	201.35	9.614			
5,400.00	5,278.10	5,184.10	5,184.10	27.55	179.26	-134.68	1,373.43	-277.53	1,951.78	1,746.57	205.21	9.511			
5,500.00	5,375.54	5,281.54	5,281.54	28.07	182.66	-135.14	1,373.43	-277.53	1,967.85	1,758.77	209.08	9.412			
5,582.90	5,456.32	5,362.32	5,362.32	28.50	185.48	-135.52	1,373.43	-277.53	1,981.26	1,768.98	212.29	9.333			
5,600.00	5,473.00	5,379.00	5,379.00	28.59	186.06	-135.63	1,373.43	-277.53	1,984.01	1,771.06	212.95	9.317			
5,700.00	5,570.93	5,476.93	5,476.93	29.10	189.48	-136.24	1,373.43	-277.53	1,998.65	1,781.83	216.82	9.218			
5,800.00	5,669.52	5,575.52	5,575.52	29.57	192.92	-136.73	1,373.43	-277.53	2,010.88	1,790.17	220.71	9.111			
5,900.00	5,768.62	5,674.62	5,674.62	30.03	196.38	-137.12	1,373.43	-277.53	2,020.64	1,796.04	224.60	8.997			
6,000.00	5,868.13	5,774.13	5,774.13	30.45	199.86	-137.41	1,373.43	-277.53	2,027.87	1,799.39	228.49	8.875			
6,100.00	5,967.93	5,873.93	5,873.93	30.86	203.34	-137.60	1,373.43	-277.53	2,032.56	1,800.19	232.37	8.747			
6,200.00	6,067.88	5,973.88	5,973.88	31.24	206.83	-137.68	1,373.43	-277.53	2,034.68	1,798.43	236.25	8.612			
6,232.12	6,100.00	6,006.00	6,006.00	31.36	207.95	-46.97	1,373.43	-277.53	2,034.81	1,797.32	237.50	8.568			
6,300.00	6,167.88	6,073.88	6,073.88	31.61	210.32	-46.97	1,373.43	-277.53	2,034.81	1,794.69	240.12	8.474			
6,400.00	6,267.88	6,173.88	6,173.88	31.97	213.81	-46.97	1,373.43	-277.53	2,034.81	1,790.83	243.99	8.340			
6,500.00	6,367.88	6,273.88	6,273.88	32.34	217.30	-46.97	1,373.43	-277.53	2,034.81	1,786.96	247.85	8.210			
6,600.00	6,467.88	6,373.88	6,373.88	32.70	220.79	-46.97	1,373.43	-277.53	2,034.81	1,783.09	251.72	8.084			
6,700.00	6,567.88	6,473.88	6,473.88	33.07	224.28	-46.97	1,373.43	-277.53	2,034.81	1,779.22	255.59	7.961			
6,736.50	6,604.38	6,510.38	6,510.38	33.21	225.56	-46.97	1,373.43	-277.53	2,034.81	1,777.81	257.01	7.917			
6,750.00	6,617.88	6,523.88	6,523.88	33.25	226.03	40.13	1,373.43	-277.53	2,034.70	1,777.18	257.53	7.901			
6,800.00	6,667.77	6,573.77	6,573.77	33.43	227.77	40.32	1,373.43	-277.53	2,032.39	1,772.95	259.45	7.834			
6,850.00	6,717.28	6,623.28	6,623.28	33.60	229.50	40.76	1,373.43	-277.53	2,027.11	1,765.76	261.35	7.756			
6,900.00	6,766.09	6,672.09	6,672.09	33.79	231.20	41.45	1,373.43	-277.53	2,018.89	1,755.66	263.23	7.670			
6,950.00	6,813.90	6,719.90	6,719.90	33.99	232.87	42.40	1,373.43	-277.53	2,007.82	1,742.76	265.07	7.575			
7,000.00	6,860.42	6,766.42	6,766.42	34.20	234.49	43.63	1,373.43	-277.53	1,994.01	1,727.14	266.86	7.472			
7,050.00	6,905.36	6,811.36	6,811.36	34.42	236.06	45.15	1,373.43	-277.53	1,977.57	1,708.96	268.61	7.362			
7,100.00	6,948.45	6,854.45	6,854.45	34.67	237.57	46.97	1,373.43	-277.53	1,958.67	1,688.38	270.29	7.246			
7,150.00	6,989.41	6,904.59	6,895.41	34.94	239.32	49.10	1,373.43	-277.53	1,937.49	1,665.25	272.24	7.117			
7,200.00	7,028.00	6,934.00	6,934.00	35.24	240.34	51.55	1,373.43	-277.53	1,914.22	1,640.74	273.47	7.000			
7,250.00	7,063.98	6,969.98	6,969.98	35.56	241.60	54.34	1,373.43	-277.53	1,889.08	1,614.13	274.96	6.871			
7,300.00	7,097.13	7,003.13	7,003.13	35.92	242.76	57.44	1,373.43	-277.53	1,862.33	1,585.96	276.37	6.739			
7,350.00	7,127.23	7,033.23	7,033.23	36.32	243.81	60.84	1,373.43	-277.53	1,834.21	1,556.50	277.70	6.605			
7,400.00	7,154.12	7,060.12	7,060.12	36.75	244.75	64.50	1,373.43	-277.53	1,804.99	1,526.03	278.96	6.470			
7,450.00	7,177.61	7,083.61	7,083.61	37.22	245.57	68.35	1,373.43	-277.53	1,774.96	1,494.81	280.15	6.336			
7,500.00	7,197.57	7,103.57	7,103.57	37.73	246.26	72.33	1,373.43	-277.53	1,744.40	1,463.13	281.26	6.202			
7,550.00	7,213.88	7,119.88	7,119.88	38.28	246.83	76.34	1,373.43	-277.53	1,713.60	1,431.30	282.30	6.070			
7,600.00	7,226.42	7,132.42	7,132.42	38.87	247.27	80.29	1,373.43	-277.53	1,682.86	1,399.59	283.26	5.941			
7,650.00	7,235.13	7,141.13	7,141.13	39.48	247.57	84.07	1,373.43	-277.53	1,652.45	1,368.30	284.14	5.816			
7,700.00	7,239.95	7,145.95	7,145.95	40.12	247.74	87.61	1,373.43	-277.53	1,622.65	1,337.71	284.94	5.695			
7,735.44	7,241.00	7,147.00	7,147.00	40.59	247.78	89.93	1,373.43	-277.53	1,602.04	1,316.58	285.46	5.612			
7,800.00	7,241.11	7,147.11	7,147.11	41.47	247.78	89.94	1,373.43	-277.53	1,565.84	1,279.44	286.40	5.467			
7,900.00	7,241.27	7,147.27	7,147.27	42.96	247.79	89.95	1,373.43	-277.53	1,513.50	1,225.42	288.07	5.254			
8,000.00	7,241.44	7,147.44	7,147.44	44.59	247.79	89.95	1,373.43	-277.53	1,466.12	1,176.13	289.98	5.056			
8,100.00	7,241.61	7,147.61	7,147.61	46.34	247.80	89.96	1,373.43	-277.53	1,424.19	1,132.08	292.11	4.875			
8,200.00	7,241.77	7,147.77	7,147.77	48.20	247.81	89.97	1,373.43	-277.53	1,388.21	1,093.79	294.42	4.715			
8,300.00	7,241.94	7,147.94	7,147.94	50.16	247.81	89.97	1,373.43	-277.53	1,358.66	1,061.80	296.86	4.577			
8,400.00	7,242.11	7,148.11	7,148.11	52.20	247.82	89.98	1,373.43	-277.53	1,335.96	1,036.59	299.36	4.463			
8,500.00	7,242.27	7,148.27	7,148.27	54.31	247.82	89.99	1,373.43	-277.53	1,320.46	1,018.60	301.86	4.374			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - J.R. #1(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
8,600.00	7,242.44	7,148.44	7,148.44	56.49	247.83	90.00	1,373.43	-277.53	1,312.41	1,008.13	304.28	4.313	CC				
8,655.89	7,242.53	7,148.53	7,148.53	57.75	247.83	90.00	1,373.43	-277.53	1,311.22	1,005.64	305.58	4.291					
8,700.00	7,242.60	7,148.60	7,148.60	58.73	247.83	90.00	1,373.43	-277.53	1,311.96	1,005.41	306.55	4.280					
8,800.00	7,242.77	7,148.77	7,148.77	61.03	247.84	90.01	1,373.43	-277.53	1,319.12	1,010.50	308.62	4.274					
8,900.00	7,242.94	7,148.94	7,148.94	63.37	247.85	90.02	1,373.43	-277.53	1,333.75	1,023.31	310.44	4.296					
9,000.00	7,243.10	7,149.10	7,149.10	65.75	247.85	90.03	1,373.43	-277.53	1,355.62	1,043.63	311.99	4.345					
9,100.00	7,243.27	7,149.27	7,149.27	68.18	247.86	90.03	1,373.43	-277.53	1,384.39	1,071.13	313.26	4.419					
9,200.00	7,243.44	7,149.44	7,149.44	70.63	247.86	90.04	1,373.43	-277.53	1,419.63	1,105.37	314.26	4.517					
9,300.00	7,243.60	7,149.60	7,149.60	73.12	247.87	90.05	1,373.43	-277.53	1,460.88	1,145.88	315.01	4.638					
9,400.00	7,243.77	7,149.77	7,149.77	75.63	247.88	90.05	1,373.43	-277.53	1,507.65	1,192.12	315.53	4.778					
9,500.00	7,243.94	7,149.94	7,149.94	78.17	247.88	90.06	1,373.43	-277.53	1,559.43	1,243.58	315.85	4.937					
9,600.00	7,244.10	7,150.10	7,150.10	80.73	247.89	90.07	1,373.43	-277.53	1,615.75	1,299.73	316.01	5.113					
9,700.00	7,244.27	7,150.27	7,150.27	83.31	247.89	90.08	1,373.43	-277.53	1,676.15	1,360.11	316.04	5.304					
9,800.00	7,244.44	7,150.44	7,150.44	85.91	247.90	90.08	1,373.43	-277.53	1,740.20	1,424.24	315.95	5.508					
9,900.00	7,244.60	7,150.60	7,150.60	88.53	247.90	90.09	1,373.43	-277.53	1,807.51	1,491.73	315.79	5.724					
10,000.00	7,244.77	7,150.77	7,150.77	91.16	247.91	90.10	1,373.43	-277.53	1,877.75	1,562.20	315.55	5.951					
10,100.00	7,244.94	7,150.94	7,150.94	93.81	247.92	90.11	1,373.43	-277.53	1,950.58	1,635.31	315.27	6.187					
10,200.00	7,245.10	7,151.10	7,151.10	96.46	247.92	90.11	1,373.43	-277.53	2,025.73	1,710.78	314.95	6.432					
10,300.00	7,245.27	7,151.27	7,151.27	99.14	247.93	90.12	1,373.43	-277.53	2,102.95	1,788.34	314.60	6.684					
10,400.00	7,245.43	7,151.43	7,151.43	101.82	247.93	90.13	1,373.43	-277.53	2,182.02	1,867.77	314.25	6.944					
10,500.00	7,245.60	7,151.60	7,151.60	104.51	247.94	90.13	1,373.43	-277.53	2,262.75	1,948.87	313.88	7.209					
10,600.00	7,245.77	7,151.77	7,151.77	107.21	247.94	90.14	1,373.43	-277.53	2,344.96	2,031.45	313.51	7.480					
10,700.00	7,245.93	7,151.93	7,151.93	109.92	247.95	90.15	1,373.43	-277.53	2,428.51	2,115.37	313.15	7.755					
10,800.00	7,246.10	7,152.10	7,152.10	112.64	247.96	90.16	1,373.43	-277.53	2,513.26	2,200.48	312.78	8.035					
10,900.00	7,246.27	7,152.27	7,152.27	115.37	247.96	90.16	1,373.43	-277.53	2,599.10	2,286.67	312.43	8.319					
11,000.00	7,246.43	7,152.43	7,152.43	118.10	247.97	90.17	1,373.43	-277.53	2,685.91	2,373.83	312.08	8.606					
11,100.00	7,246.60	7,152.60	7,152.60	120.84	247.97	90.18	1,373.43	-277.53	2,773.62	2,461.87	311.75	8.897					
11,200.00	7,246.77	7,152.77	7,152.77	123.58	247.98	90.19	1,373.43	-277.53	2,862.13	2,550.71	311.42	9.191					
11,300.00	7,246.93	7,152.93	7,152.93	126.34	247.99	90.19	1,373.43	-277.53	2,951.37	2,640.27	311.11	9.487					
11,340.34	7,247.00	7,153.00	7,153.00	127.45	247.99	90.20	1,373.43	-277.53	2,987.57	2,676.58	310.98	9.607					
11,400.00	7,247.10	7,153.10	7,153.10	129.09	247.99	90.22	1,373.43	-277.53	3,041.55	2,730.74	310.81	9.786					
11,500.00	7,247.27	7,153.27	7,153.27	131.84	248.00	90.26	1,373.43	-277.53	3,133.60	2,823.06	310.54	10.091					
11,586.15	7,247.43	7,153.43	7,153.43	134.20	248.00	90.30	1,373.43	-277.53	3,214.29	2,903.95	310.34	10.357					
11,600.00	7,247.45	7,153.45	7,153.45	134.57	248.00	90.30	1,373.43	-277.53	3,227.36	2,917.06	310.31	10.401					
11,700.00	7,247.64	7,153.64	7,153.64	137.31	248.01	90.31	1,373.43	-277.53	3,321.92	3,011.83	310.09	10.713					
11,800.00	7,247.82	7,153.82	7,153.82	140.05	248.02	90.32	1,373.43	-277.53	3,416.78	3,106.90	309.88	11.026					
11,900.00	7,248.00	7,154.00	7,154.00	142.79	248.02	90.33	1,373.43	-277.53	3,511.93	3,202.24	309.69	11.340					
12,000.00	7,248.18	7,154.18	7,154.18	145.53	248.03	90.34	1,373.43	-277.53	3,607.34	3,297.84	309.50	11.655					
12,100.00	7,248.37	7,154.37	7,154.37	148.28	248.04	90.35	1,373.43	-277.53	3,702.99	3,393.67	309.33	11.971					
12,200.00	7,248.55	7,154.55	7,154.55	151.04	248.04	90.36	1,373.43	-277.53	3,798.87	3,489.71	309.16	12.288					
12,300.00	7,248.73	7,154.73	7,154.73	153.80	248.05	90.37	1,373.43	-277.53	3,894.96	3,585.96	309.00	12.605					
12,400.00	7,248.91	7,154.91	7,154.91	156.56	248.05	90.38	1,373.43	-277.53	3,991.23	3,682.38	308.85	12.923					
12,500.00	7,249.10	7,155.10	7,155.10	159.32	248.06	90.39	1,373.43	-277.53	4,087.69	3,778.98	308.71	13.241					
12,600.00	7,249.28	7,155.28	7,155.28	162.09	248.07	90.40	1,373.43	-277.53	4,184.31	3,875.74	308.57	13.560					
12,700.00	7,249.46	7,155.46	7,155.46	164.86	248.07	90.41	1,373.43	-277.53	4,281.09	3,972.64	308.44	13.880					
12,800.00	7,249.64	7,155.64	7,155.64	167.63	248.08	90.42	1,373.43	-277.53	4,378.01	4,069.69	308.32	14.199					
12,900.00	7,249.83	7,155.83	7,155.83	170.40	248.09	90.43	1,373.43	-277.53	4,475.07	4,166.86	308.21	14.520					
13,000.00	7,250.01	7,156.01	7,156.01	173.18	248.09	90.44	1,373.43	-277.53	4,572.25	4,264.15	308.10	14.840					
13,100.00	7,250.19	7,156.19	7,156.19	175.96	248.10	90.45	1,373.43	-277.53	4,669.55	4,361.56	308.00	15.161					
13,200.00	7,250.37	7,156.37	7,156.37	178.74	248.11	90.46	1,373.43	-277.53	4,766.97	4,459.07	307.90	15.482					
13,300.00	7,250.56	7,156.56	7,156.56	181.52	248.11	90.47	1,373.43	-277.53	4,864.49	4,556.68	307.81	15.803					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - J.R. #1(PA) - OH - OH														Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,400.00	7,250.74	7,156.74	7,156.74	184.31	248.12	90.48	1,373.43	-277.53	4,962.11	4,654.38	307.73	16.125			
13,500.00	7,250.92	7,156.92	7,156.92	187.09	248.12	90.49	1,373.43	-277.53	5,059.82	4,752.17	307.65	16.447			
13,600.00	7,251.10	7,157.10	7,157.10	189.88	248.13	90.49	1,373.43	-277.53	5,157.62	4,850.05	307.57	16.769			
13,700.00	7,251.29	7,157.29	7,157.29	192.67	248.14	90.50	1,373.43	-277.53	5,255.50	4,948.00	307.50	17.091			
13,800.00	7,251.47	7,157.47	7,157.47	195.47	248.14	90.51	1,373.43	-277.53	5,353.46	5,046.03	307.43	17.413			
13,900.00	7,251.65	7,157.65	7,157.65	198.26	248.15	90.52	1,373.43	-277.53	5,451.49	5,144.12	307.37	17.736			
14,000.00	7,251.83	7,157.83	7,157.83	201.05	248.16	90.53	1,373.43	-277.53	5,549.60	5,242.29	307.31	18.059			
14,100.00	7,252.01	7,158.01	7,158.01	203.85	248.16	90.54	1,373.43	-277.53	5,647.77	5,340.51	307.26	18.381			
14,200.00	7,252.20	7,158.20	7,158.20	206.65	248.17	90.55	1,373.43	-277.53	5,746.00	5,438.80	307.21	18.704			
14,300.00	7,252.38	7,158.38	7,158.38	209.45	248.18	90.56	1,373.43	-277.53	5,844.30	5,537.14	307.16	19.027			
14,400.00	7,252.56	7,158.56	7,158.56	212.25	248.18	90.57	1,373.43	-277.53	5,942.65	5,635.53	307.12	19.350			
14,500.00	7,252.74	7,158.74	7,158.74	215.05	248.19	90.58	1,373.43	-277.53	6,041.05	5,733.98	307.08	19.673			
14,600.00	7,252.93	7,158.93	7,158.93	217.86	248.19	90.59	1,373.43	-277.53	6,139.51	5,832.47	307.04	19.996			
14,700.00	7,253.11	7,159.11	7,159.11	220.66	248.20	90.60	1,373.43	-277.53	6,238.02	5,931.01	307.01	20.319			
14,800.00	7,253.29	7,159.29	7,159.29	223.47	248.21	90.61	1,373.43	-277.53	6,336.57	6,029.59	306.98	20.642			
14,900.00	7,253.47	7,159.47	7,159.47	226.27	248.21	90.62	1,373.43	-277.53	6,435.17	6,128.22	306.95	20.965			
15,000.00	7,253.66	7,159.66	7,159.66	229.08	248.22	90.63	1,373.43	-277.53	6,533.81	6,226.88	306.92	21.288			
15,100.00	7,253.84	7,159.84	7,159.84	231.89	248.23	90.64	1,373.43	-277.53	6,632.49	6,325.58	306.90	21.611			
15,200.00	7,254.02	7,160.02	7,160.02	234.70	248.23	90.65	1,373.43	-277.53	6,731.21	6,424.32	306.88	21.934			
15,300.00	7,254.20	7,160.20	7,160.20	237.51	248.24	90.66	1,373.43	-277.53	6,829.96	6,523.10	306.87	22.257			
15,400.00	7,254.39	7,160.39	7,160.39	240.32	248.25	90.67	1,373.43	-277.53	6,928.75	6,621.90	306.85	22.580			
15,500.00	7,254.57	7,160.57	7,160.57	243.13	248.25	90.68	1,373.43	-277.53	7,027.58	6,720.74	306.84	22.903			
15,600.00	7,254.75	7,160.75	7,160.75	245.94	248.26	90.69	1,373.43	-277.53	7,126.44	6,819.61	306.83	23.226			
15,700.00	7,254.93	7,160.93	7,160.93	248.76	248.26	90.70	1,373.43	-277.53	7,225.33	6,918.50	306.83	23.549			
15,800.00	7,255.12	7,161.12	7,161.12	251.57	248.27	90.71	1,373.43	-277.53	7,324.25	7,017.43	306.82	23.871			
15,900.00	7,255.30	7,161.30	7,161.30	254.39	248.28	90.72	1,373.43	-277.53	7,423.20	7,116.38	306.82	24.194			
16,000.00	7,255.48	7,161.48	7,161.48	257.20	248.28	90.73	1,373.43	-277.53	7,522.18	7,215.36	306.82	24.517			
16,100.00	7,255.66	7,161.66	7,161.66	260.02	248.29	90.74	1,373.43	-277.53	7,621.18	7,314.36	306.82	24.839			
16,200.00	7,255.85	7,161.85	7,161.85	262.84	248.30	90.75	1,373.43	-277.53	7,720.21	7,413.39	306.83	25.162			
16,300.00	7,256.03	7,162.03	7,162.03	265.65	248.30	90.76	1,373.43	-277.53	7,819.27	7,512.44	306.83	25.484			
16,400.00	7,256.21	7,162.21	7,162.21	268.47	248.31	90.77	1,373.43	-277.53	7,918.35	7,611.51	306.84	25.806			
16,500.00	7,256.39	7,162.39	7,162.39	271.29	248.32	90.78	1,373.43	-277.53	8,017.45	7,710.60	306.85	26.128			
16,600.00	7,256.58	7,162.58	7,162.58	274.11	248.32	90.79	1,373.43	-277.53	8,116.57	7,809.71	306.86	26.450			
16,700.00	7,256.76	7,162.76	7,162.76	276.93	248.33	90.80	1,373.43	-277.53	8,215.71	7,908.84	306.88	26.772			
16,800.00	7,256.94	7,162.94	7,162.94	279.75	248.33	90.81	1,373.43	-277.53	8,314.88	8,007.99	306.89	27.094			
16,900.00	7,257.12	7,163.12	7,163.12	282.57	248.34	90.82	1,373.43	-277.53	8,414.06	8,107.16	306.91	27.416			
17,000.00	7,257.30	7,163.30	7,163.30	285.40	248.35	90.83	1,373.43	-277.53	8,513.27	8,206.34	306.93	27.737			
17,100.00	7,257.49	7,163.49	7,163.49	288.22	248.35	90.84	1,373.43	-277.53	8,612.49	8,305.54	306.95	28.059			
17,200.00	7,257.67	7,163.67	7,163.67	291.04	248.36	90.85	1,373.43	-277.53	8,711.73	8,404.76	306.97	28.380			
17,300.00	7,257.85	7,163.85	7,163.85	293.87	248.37	90.86	1,373.43	-277.53	8,810.99	8,503.99	306.99	28.701			
17,400.00	7,258.03	7,164.03	7,164.03	296.69	248.37	90.87	1,373.43	-277.53	8,910.26	8,603.24	307.02	29.022			
17,500.00	7,258.22	7,164.22	7,164.22	299.51	248.38	90.88	1,373.43	-277.53	9,009.55	8,702.50	307.05	29.343			
17,600.00	7,258.40	7,164.40	7,164.40	302.34	248.39	90.89	1,373.43	-277.53	9,108.86	8,801.78	307.07	29.663			
17,700.00	7,258.58	7,164.58	7,164.58	305.16	248.39	90.90	1,373.43	-277.53	9,208.18	8,901.07	307.10	29.984			
17,800.00	7,258.76	7,164.76	7,164.76	307.99	248.40	90.91	1,373.43	-277.53	9,307.51	9,000.38	307.13	30.304			
17,900.00	7,258.95	7,164.95	7,164.95	310.82	248.40	90.92	1,373.43	-277.53	9,406.86	9,099.69	307.17	30.625			
18,000.00	7,259.13	7,165.13	7,165.13	313.64	248.41	90.93	1,373.43	-277.53	9,506.22	9,199.02	307.20	30.945			
18,100.00	7,259.31	7,165.31	7,165.31	316.47	248.42	90.94	1,373.43	-277.53	9,605.60	9,298.36	307.24	31.265			
18,200.00	7,259.49	7,165.49	7,165.49	319.30	248.42	90.95	1,373.43	-277.53	9,704.99	9,397.71	307.27	31.584			
18,300.00	7,259.68	7,165.68	7,165.68	322.12	248.43	90.96	1,373.43	-277.53	9,804.39	9,497.08	307.31	31.904			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - J.R. #1(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance				Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,165.86	7,165.86	324.95	248.44	90.97	1,373.43	-277.53	9,903.80	9,596.45	307.35	32.223		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-127.77	-2,370.35	-3,058.81	3,869.76					
100.00	100.00	77.28	77.28	3.28	3.28	-127.77	-2,370.48	-3,058.82	3,869.84	3,863.27	6.57	589.114		
200.00	200.00	218.70	218.69	3.34	3.36	-127.78	-2,370.69	-3,058.12	3,869.54	3,862.84	6.70	577.844		
227.18	227.18	241.91	241.91	3.36	3.38	141.51	-2,370.62	-3,057.94	3,869.42	3,862.68	6.74	573.881		
300.00	299.98	303.76	303.76	3.44	3.46	141.51	-2,370.27	-3,057.74	3,870.25	3,863.35	6.90	561.087		
400.00	399.84	381.93	381.93	3.60	3.57	141.51	-2,369.93	-3,057.83	3,874.17	3,867.00	7.17	540.081		
500.00	499.45	519.87	519.86	3.81	3.85	141.54	-2,369.43	-3,057.44	3,880.54	3,872.89	7.65	507.257		
600.00	598.70	588.37	588.36	4.05	4.01	141.50	-2,369.14	-3,057.24	3,889.62	3,881.56	8.06	482.688		
700.00	697.47	722.56	722.55	4.34	4.36	141.56	-2,368.36	-3,056.77	3,901.27	3,892.57	8.70	448.483		
800.00	795.62	800.00	799.98	4.66	4.59	141.52	-2,367.76	-3,056.62	3,915.67	3,906.42	9.24	423.589		
849.22	843.68	849.00	848.98	4.84	4.74	141.51	-2,367.49	-3,056.59	3,923.90	3,914.33	9.56	410.284		
900.00	893.16	910.54	910.52	5.02	4.93	141.64	-2,367.35	-3,056.20	3,932.60	3,922.66	9.94	395.759		
1,000.00	990.60	999.29	999.27	5.41	5.22	141.82	-2,367.27	-3,055.55	3,949.77	3,939.17	10.59	372.855		
1,100.00	1,088.05	1,090.58	1,090.56	5.83	5.53	142.00	-2,367.23	-3,055.01	3,967.13	3,955.84	11.29	351.436		
1,200.00	1,185.49	1,181.80	1,181.78	6.26	5.85	142.18	-2,367.22	-3,054.63	3,984.69	3,972.68	12.01	331.838		
1,300.00	1,282.93	1,272.95	1,272.93	6.70	6.17	142.36	-2,367.26	-3,054.40	4,002.46	3,989.71	12.75	313.975		
1,400.00	1,380.37	1,364.03	1,364.01	7.15	6.51	142.54	-2,367.33	-3,054.33	4,020.42	4,006.91	13.50	297.720		
1,500.00	1,477.82	1,455.04	1,455.02	7.62	6.84	142.72	-2,367.45	-3,054.40	4,038.58	4,024.31	14.27	282.931		
1,600.00	1,575.26	1,558.86	1,558.83	8.09	7.24	142.92	-2,367.44	-3,054.68	4,056.86	4,041.76	15.11	268.541		
1,700.00	1,672.70	1,681.47	1,681.44	8.57	7.71	143.17	-2,366.52	-3,054.99	4,074.77	4,058.74	16.03	254.218		
1,800.00	1,770.15	1,782.74	1,782.71	9.05	8.10	143.37	-2,365.80	-3,054.70	4,092.30	4,075.42	16.87	242.517		
1,900.00	1,867.59	1,879.81	1,879.78	9.54	8.48	143.56	-2,365.23	-3,054.34	4,109.88	4,092.17	17.71	232.061		
2,000.00	1,965.03	1,976.87	1,976.83	10.03	8.87	143.75	-2,364.50	-3,054.10	4,127.51	4,108.96	18.55	222.471		
2,100.00	2,062.48	2,067.58	2,067.54	10.53	9.23	143.93	-2,363.92	-3,053.88	4,145.26	4,125.88	19.37	213.960		
2,200.00	2,159.92	2,163.90	2,163.85	11.03	9.62	144.11	-2,363.45	-3,053.72	4,163.19	4,142.96	20.22	205.859		
2,300.00	2,257.36	2,288.80	2,288.74	11.53	10.12	144.36	-2,361.54	-3,054.01	4,180.93	4,159.73	21.20	197.191		
2,400.00	2,354.81	2,426.75	2,426.65	12.03	10.68	144.64	-2,358.37	-3,053.43	4,197.72	4,175.47	22.24	188.713		
2,500.00	2,452.25	2,521.26	2,521.14	12.54	11.07	144.83	-2,356.33	-3,052.45	4,214.18	4,191.08	23.10	182.436		
2,600.00	2,549.69	2,600.00	2,599.85	13.04	11.39	144.99	-2,354.50	-3,052.04	4,231.00	4,207.11	23.89	177.122		
2,700.00	2,647.13	2,688.77	2,688.60	13.55	11.75	145.16	-2,352.43	-3,051.93	4,248.19	4,223.47	24.72	171.842		
2,800.00	2,744.58	2,797.36	2,797.16	14.06	12.20	145.38	-2,350.16	-3,051.60	4,265.41	4,239.77	25.65	166.315		
2,900.00	2,842.02	2,874.36	2,874.15	14.57	12.52	145.53	-2,348.65	-3,051.36	4,282.75	4,256.32	26.43	162.039		
3,000.00	2,939.46	2,967.63	2,967.41	15.09	12.91	145.70	-2,347.34	-3,051.15	4,300.50	4,273.21	27.29	157.592		
3,100.00	3,036.91	3,043.52	3,043.30	15.60	13.22	145.83	-2,346.97	-3,050.62	4,318.41	4,290.34	28.07	153.857		
3,200.00	3,134.35	3,110.44	3,110.22	16.11	13.50	145.94	-2,346.99	-3,050.55	4,337.08	4,308.28	28.80	150.573		
3,300.00	3,231.79	3,204.20	3,203.98	16.63	13.89	146.11	-2,346.83	-3,050.96	4,356.13	4,326.47	29.66	146.845		
3,400.00	3,329.24	3,263.72	3,263.50	17.14	14.13	146.21	-2,346.95	-3,051.43	4,375.70	4,345.34	30.36	144.113		
3,500.00	3,426.68	3,361.84	3,361.60	17.66	14.54	146.36	-2,348.15	-3,052.33	4,395.94	4,364.70	31.25	140.687		
3,600.00	3,524.12	3,447.84	3,447.60	18.18	14.90	146.50	-2,348.91	-3,052.95	4,415.90	4,383.83	32.07	137.691		
3,700.00	3,621.57	3,531.20	3,530.94	18.69	15.24	146.64	-2,349.85	-3,054.11	4,436.53	4,403.64	32.88	134.917		
3,800.00	3,719.01	3,699.94	3,699.67	19.21	15.95	146.90	-2,351.38	-3,054.97	4,456.35	4,422.24	34.11	130.629		
3,900.00	3,816.45	3,777.84	3,777.57	19.73	16.27	147.02	-2,351.36	-3,055.29	4,475.66	4,440.76	34.90	128.228		
4,000.00	3,913.90	3,878.13	3,877.86	20.25	16.69	147.18	-2,351.71	-3,055.77	4,495.26	4,459.46	35.80	125.554		
4,100.00	4,011.34	3,987.48	3,987.20	20.77	17.15	147.35	-2,352.06	-3,056.01	4,514.65	4,477.91	36.75	122.854		
4,200.00	4,108.78	4,096.96	4,096.69	21.29	17.61	147.52	-2,352.36	-3,055.95	4,533.82	4,496.13	37.69	120.279		
4,300.00	4,206.22	4,206.59	4,206.32	21.81	18.07	147.68	-2,352.60	-3,055.58	4,552.76	4,514.12	38.64	117.819		
4,400.00	4,303.67	4,316.36	4,316.08	22.33	18.53	147.85	-2,352.79	-3,054.90	4,571.46	4,531.87	39.59	115.467		
4,500.00	4,401.11	4,426.26	4,425.98	22.85	18.99	148.01	-2,352.91	-3,053.91	4,589.93	4,549.39	40.54	113.216		
4,600.00	4,498.55	4,489.10	4,488.82	23.37	19.26	148.10	-2,352.90	-3,053.72	4,608.79	4,567.53	41.26	111.703		
4,700.00	4,596.00	4,700.00	4,598.75	23.89	20.15	148.26	-2,352.73	-3,053.39	4,627.68	4,585.04	42.64	108.537		
4,800.00	4,693.44	4,661.68	4,661.39	24.41	19.98	148.36	-2,352.67	-3,053.31	4,646.83	4,603.91	42.93	108.254		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Jeff #1 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,900.00	4,790.88	4,747.60	4,747.31	24.93	20.35	148.49	-2,352.71	-3,054.08	4,666.86	4,623.11	43.76	106.658		
5,000.00	4,888.33	4,856.78	4,856.49	25.46	20.81	148.66	-2,352.06	-3,054.87	4,686.47	4,641.76	44.70	104.833		
5,100.00	4,985.77	4,975.53	4,975.23	25.98	21.31	148.85	-2,350.83	-3,056.02	4,706.17	4,660.46	45.70	102.975		
5,200.00	5,083.21	5,053.84	5,053.53	26.50	21.64	148.97	-2,350.46	-3,056.20	4,725.54	4,679.04	46.49	101.638		
5,300.00	5,180.66	5,149.76	5,149.46	27.02	22.05	149.11	-2,350.25	-3,056.98	4,745.52	4,698.15	47.38	100.167		
5,400.00	5,278.10	5,251.05	5,250.74	27.55	22.47	149.26	-2,350.04	-3,057.20	4,765.03	4,716.75	48.29	98.684		
5,500.00	5,375.54	5,366.25	5,365.93	28.07	22.96	149.43	-2,349.37	-3,058.08	4,784.90	4,735.64	49.27	97.121		
5,582.90	5,456.32	5,450.46	5,450.14	28.50	23.32	149.56	-2,348.56	-3,058.22	4,800.80	4,750.78	50.02	95.972		
5,600.00	5,473.00	5,463.20	5,462.88	28.59	23.37	149.61	-2,348.42	-3,058.29	4,804.07	4,753.92	50.15	95.785		
5,700.00	5,570.93	5,552.49	5,552.16	29.10	23.75	149.92	-2,347.19	-3,059.06	4,821.68	4,770.69	50.99	94.556		
5,800.00	5,669.52	5,641.38	5,641.03	29.57	24.13	150.18	-2,345.88	-3,059.91	4,836.37	4,784.56	51.81	93.340		
5,900.00	5,768.62	5,735.02	5,734.66	30.03	24.52	150.38	-2,345.04	-3,060.90	4,848.43	4,795.79	52.65	92.093		
6,000.00	5,868.13	5,872.83	5,872.45	30.45	25.11	150.57	-2,343.26	-3,061.84	4,856.96	4,803.26	53.70	90.453		
6,100.00	5,967.93	5,968.98	5,968.60	30.86	25.52	150.67	-2,342.33	-3,061.89	4,862.09	4,807.57	54.52	89.188		
6,200.00	6,067.88	6,065.11	6,064.73	31.24	25.93	150.72	-2,341.36	-3,062.17	4,864.36	4,809.04	55.32	87.931		
6,232.12	6,100.00	6,097.54	6,097.16	31.36	26.06	-118.57	-2,341.29	-3,062.13	4,864.44	4,808.86	55.58	87.521		
6,300.00	6,167.88	6,197.73	6,197.35	31.61	26.49	-118.57	-2,340.97	-3,061.67	4,864.07	4,807.78	56.29	86.415		
6,400.00	6,267.88	6,259.61	6,259.23	31.97	26.75	-118.57	-2,340.58	-3,061.51	4,863.55	4,806.67	56.89	85.496		
6,413.55	6,281.43	6,267.81	6,267.43	32.02	26.78	-118.57	-2,340.53	-3,061.53	4,863.55	4,806.58	56.97	85.375		
6,500.00	6,367.88	6,367.44	6,367.05	32.34	27.21	-118.56	-2,339.97	-3,061.98	4,863.69	4,805.96	57.73	84.256		
6,600.00	6,467.88	6,455.41	6,455.02	32.70	27.58	-118.55	-2,339.35	-3,061.95	4,863.35	4,804.89	58.46	83.188		
6,603.35	6,471.23	6,457.62	6,457.23	32.71	27.59	-118.55	-2,339.34	-3,061.96	4,863.35	4,804.87	58.48	83.158		
6,700.00	6,567.88	6,553.67	6,553.28	33.07	28.00	-118.55	-2,339.32	-3,062.22	4,863.57	4,804.31	59.25	82.079		
6,736.50	6,604.38	6,614.03	6,613.64	33.21	28.25	-118.55	-2,339.15	-3,062.15	4,863.48	4,803.81	59.67	81.503		
6,750.00	6,617.88	6,614.98	6,614.59	33.25	28.26	-31.46	-2,339.17	-3,062.16	4,863.33	4,803.62	59.71	81.444		
6,800.00	6,667.77	6,648.99	6,648.60	33.43	28.40	-31.60	-2,339.17	-3,062.13	4,860.73	4,800.72	60.01	80.995		
6,850.00	6,717.28	6,725.30	6,674.31	33.60	28.73	-31.89	-2,339.22	-3,062.14	4,854.93	4,794.46	60.48	80.280		
6,900.00	6,766.09	6,723.53	6,723.13	33.79	28.72	-32.40	-2,339.60	-3,062.26	4,846.03	4,785.41	60.62	79.936		
6,950.00	6,813.90	6,771.37	6,770.97	33.99	28.92	-33.10	-2,339.98	-3,062.38	4,833.90	4,772.92	60.98	79.276		
7,000.00	6,860.42	6,817.93	6,817.53	34.20	29.12	-34.02	-2,340.34	-3,062.50	4,818.62	4,757.31	61.32	78.586		
7,050.00	6,905.36	6,862.91	6,862.52	34.42	29.31	-35.17	-2,340.69	-3,062.62	4,800.30	4,738.66	61.65	77.870		
7,100.00	6,948.45	6,906.05	6,905.65	34.67	29.49	-36.58	-2,341.03	-3,062.73	4,779.08	4,717.11	61.96	77.128		
7,150.00	6,989.41	6,947.08	6,946.68	34.94	29.67	-38.28	-2,341.35	-3,062.83	4,755.08	4,692.81	62.27	76.362		
7,200.00	7,028.00	6,985.73	6,985.33	35.24	29.83	-40.29	-2,341.65	-3,062.93	4,728.49	4,665.92	62.57	75.572		
7,250.00	7,063.98	7,021.79	7,021.38	35.56	29.98	-42.67	-2,341.93	-3,063.02	4,699.48	4,636.62	62.86	74.761		
7,300.00	7,097.13	7,055.01	7,054.61	35.92	30.12	-45.45	-2,342.19	-3,063.11	4,668.24	4,605.10	63.15	73.927		
7,350.00	7,127.23	7,085.20	7,084.80	36.32	30.25	-48.67	-2,342.42	-3,063.18	4,635.01	4,571.58	63.43	73.073		
7,400.00	7,154.12	7,112.18	7,111.77	36.75	30.37	-52.39	-2,342.63	-3,063.25	4,599.99	4,536.27	63.71	72.199		
7,450.00	7,177.61	7,135.77	7,135.36	37.22	30.47	-56.63	-2,342.82	-3,063.31	4,563.42	4,499.42	64.00	71.306		
7,500.00	7,197.57	7,155.82	7,155.42	37.73	30.55	-61.41	-2,342.97	-3,063.36	4,525.55	4,461.27	64.29	70.397		
7,550.00	7,213.88	7,172.23	7,171.82	38.28	30.62	-66.70	-2,343.10	-3,063.40	4,486.64	4,422.06	64.58	69.474		
7,600.00	7,226.42	7,184.88	7,184.47	38.87	30.67	-72.45	-2,343.20	-3,063.44	4,446.93	4,382.05	64.88	68.540		
7,650.00	7,235.13	7,193.69	7,193.28	39.48	30.71	-78.54	-2,343.27	-3,063.46	4,406.69	4,341.50	65.19	67.598		
7,700.00	7,239.95	7,198.62	7,198.21	40.12	30.73	-84.81	-2,343.31	-3,063.47	4,366.17	4,300.67	65.50	66.655		
7,735.44	7,241.00	7,199.74	7,199.33	40.59	30.74	-89.24	-2,343.32	-3,063.47	4,337.43	4,271.70	65.73	65.987		
7,800.00	7,241.11	7,199.99	7,199.58	41.47	30.74	-89.25	-2,343.32	-3,063.47	4,285.29	4,219.12	66.17	64.761		
7,900.00	7,241.27	7,200.37	7,199.96	42.96	30.74	-89.26	-2,343.32	-3,063.48	4,205.20	4,138.25	66.95	62.811		
8,000.00	7,241.44	7,200.75	7,200.34	44.59	30.74	-89.27	-2,343.32	-3,063.48	4,125.99	4,058.14	67.85	60.808		
8,100.00	7,241.61	7,201.13	7,200.72	46.34	30.74	-89.28	-2,343.33	-3,063.48	4,047.69	3,978.81	68.88	58.762		
8,200.00	7,241.77	7,201.51	7,201.10	48.20	30.75	-89.28	-2,343.33	-3,063.48	3,970.38	3,900.33	70.05	56.683		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Jeff #1 - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,300.00	7,241.94	7,201.89	7,201.48	50.16	30.75	-89.29	-2,343.33	-3,063.48	3,894.09	3,822.75	71.34	54.584			
8,400.00	7,242.11	7,202.27	7,201.86	52.20	30.75	-89.30	-2,343.34	-3,063.48	3,818.90	3,746.12	72.77	52.476			
8,500.00	7,242.27	7,202.65	7,202.25	54.31	30.75	-89.31	-2,343.34	-3,063.48	3,744.87	3,670.52	74.34	50.372			
8,600.00	7,242.44	7,203.03	7,202.63	56.49	30.75	-89.32	-2,343.34	-3,063.48	3,672.07	3,596.01	76.06	48.282			
8,700.00	7,242.60	7,203.42	7,203.01	58.73	30.75	-89.33	-2,343.35	-3,063.48	3,600.57	3,522.67	77.91	46.217			
8,800.00	7,242.77	7,203.80	7,203.39	61.03	30.75	-89.34	-2,343.35	-3,063.48	3,530.46	3,450.57	79.90	44.188			
8,900.00	7,242.94	7,204.18	7,203.77	63.37	30.76	-89.34	-2,343.35	-3,063.49	3,461.82	3,379.79	82.03	42.204			
9,000.00	7,243.10	7,204.56	7,204.15	65.75	30.76	-89.35	-2,343.35	-3,063.49	3,394.74	3,310.44	84.30	40.272			
9,100.00	7,243.27	7,204.94	7,204.53	68.18	30.76	-89.36	-2,343.36	-3,063.49	3,329.31	3,242.61	86.70	38.400			
9,200.00	7,243.44	7,205.32	7,204.91	70.63	30.76	-89.37	-2,343.36	-3,063.49	3,265.63	3,176.39	89.24	36.594			
9,300.00	7,243.60	7,205.70	7,205.29	73.12	30.76	-89.38	-2,343.36	-3,063.49	3,203.81	3,111.90	91.91	34.858			
9,400.00	7,243.77	7,206.08	7,205.67	75.63	30.76	-89.39	-2,343.37	-3,063.49	3,143.95	3,049.25	94.71	33.197			
9,500.00	7,243.94	7,206.46	7,206.06	78.17	30.77	-89.40	-2,343.37	-3,063.49	3,086.17	2,988.55	97.62	31.613			
9,600.00	7,244.10	7,206.84	7,206.44	80.73	30.77	-89.40	-2,343.37	-3,063.49	3,030.60	2,929.94	100.66	30.108			
9,700.00	7,244.27	7,207.23	7,206.82	83.31	30.77	-89.41	-2,343.38	-3,063.49	2,977.34	2,873.54	103.80	28.684			
9,800.00	7,244.44	7,207.61	7,207.20	85.91	30.77	-89.42	-2,343.38	-3,063.49	2,926.53	2,819.50	107.04	27.341			
9,900.00	7,244.60	7,207.99	7,207.58	88.53	30.77	-89.43	-2,343.38	-3,063.49	2,878.31	2,767.94	110.37	26.080			
10,000.00	7,244.77	7,208.37	7,207.96	91.16	30.77	-89.44	-2,343.38	-3,063.50	2,832.79	2,719.02	113.77	24.899			
10,100.00	7,244.94	7,208.75	7,208.34	93.81	30.78	-89.45	-2,343.39	-3,063.50	2,790.11	2,672.87	117.24	23.799			
10,200.00	7,245.10	7,209.13	7,208.72	96.46	30.78	-89.46	-2,343.39	-3,063.50	2,750.41	2,629.66	120.75	22.777			
10,300.00	7,245.27	7,209.51	7,209.10	99.14	30.78	-89.46	-2,343.39	-3,063.50	2,713.82	2,589.52	124.30	21.832			
10,400.00	7,245.43	7,209.89	7,209.48	101.82	30.78	-89.47	-2,343.40	-3,063.50	2,680.46	2,552.60	127.86	20.964			
10,500.00	7,245.60	7,210.27	7,209.87	104.51	30.78	-89.48	-2,343.40	-3,063.50	2,650.45	2,519.03	131.42	20.168			
10,600.00	7,245.77	7,210.65	7,210.25	107.21	30.78	-89.49	-2,343.40	-3,063.50	2,623.92	2,488.97	134.94	19.445			
10,700.00	7,245.93	7,211.04	7,210.63	109.92	30.79	-89.50	-2,343.40	-3,063.50	2,600.96	2,462.53	138.42	18.790			
10,800.00	7,246.10	7,211.42	7,211.01	112.64	30.79	-89.51	-2,343.41	-3,063.50	2,581.67	2,439.84	141.83	18.203			
10,900.00	7,246.27	7,211.80	7,211.39	115.37	30.79	-89.52	-2,343.41	-3,063.50	2,566.14	2,420.99	145.15	17.680			
11,000.00	7,246.43	7,212.18	7,211.77	118.10	30.79	-89.52	-2,343.41	-3,063.51	2,554.43	2,406.08	148.35	17.219			
11,100.00	7,246.60	7,212.56	7,212.15	120.84	30.79	-89.53	-2,343.42	-3,063.51	2,546.59	2,395.17	151.42	16.818			
11,200.00	7,246.77	7,212.94	7,212.53	123.58	30.79	-89.54	-2,343.42	-3,063.51	2,542.67	2,388.33	154.34	16.474			
11,249.81	7,246.85	7,213.13	7,212.72	124.95	30.79	-89.55	-2,343.42	-3,063.51	2,542.18	2,386.45	155.73	16.324 CC			
11,300.00	7,246.93	7,213.32	7,212.91	126.34	30.80	-89.55	-2,343.42	-3,063.51	2,542.68	2,385.58	157.09	16.186 ES			
11,340.34	7,247.00	7,213.48	7,213.07	127.45	30.80	-89.55	-2,343.42	-3,063.51	2,543.79	2,385.64	158.15	16.084			
11,400.00	7,247.10	7,213.71	7,213.30	129.09	30.80	-89.56	-2,343.43	-3,063.51	2,545.99	2,386.33	159.66	15.946			
11,500.00	7,247.27	7,214.13	7,213.72	131.84	30.80	-89.56	-2,343.43	-3,063.51	2,550.03	2,387.99	162.04	15.737			
11,586.15	7,247.43	7,214.51	7,214.11	134.20	30.80	-89.57	-2,343.43	-3,063.51	2,553.85	2,389.92	163.92	15.580			
11,600.00	7,247.45	7,214.58	7,214.17	134.57	30.80	-89.57	-2,343.43	-3,063.51	2,554.52	2,390.31	164.21	15.556			
11,700.00	7,247.64	7,215.04	7,214.63	137.31	30.80	-89.58	-2,343.44	-3,063.51	2,561.63	2,395.44	166.18	15.414			
11,800.00	7,247.82	7,215.51	7,215.10	140.05	30.80	-89.59	-2,343.44	-3,063.51	2,572.60	2,404.65	167.95	15.317			
11,900.00	7,248.00	7,215.97	7,215.56	142.79	30.81	-89.60	-2,343.44	-3,063.52	2,587.40	2,417.88	169.52	15.263			
12,000.00	7,248.18	7,216.43	7,216.03	145.53	30.81	-89.61	-2,343.45	-3,063.52	2,605.95	2,435.07	170.87	15.251 SF			
12,100.00	7,248.37	7,216.90	7,216.49	148.28	30.81	-89.62	-2,343.45	-3,063.52	2,628.17	2,456.15	172.03	15.278			
12,200.00	7,248.55	7,217.36	7,216.95	151.04	30.81	-89.63	-2,343.45	-3,063.52	2,653.98	2,481.01	172.98	15.343			
12,300.00	7,248.73	7,217.83	7,217.42	153.80	30.81	-89.65	-2,343.46	-3,063.52	2,683.28	2,509.54	173.74	15.444			
12,400.00	7,248.91	7,218.29	7,217.88	156.56	30.82	-89.66	-2,343.46	-3,063.52	2,715.94	2,541.62	174.31	15.581			
12,500.00	7,249.10	7,218.75	7,218.35	159.32	30.82	-89.67	-2,343.46	-3,063.52	2,751.84	2,577.13	174.72	15.750			
12,600.00	7,249.28	7,219.22	7,218.81	162.09	30.82	-89.68	-2,343.47	-3,063.52	2,790.87	2,615.92	174.96	15.952			
12,700.00	7,249.46	7,219.68	7,219.27	164.86	30.82	-89.69	-2,343.47	-3,063.52	2,832.90	2,657.85	175.05	16.184			
12,800.00	7,249.64	7,220.15	7,219.74	167.63	30.82	-89.70	-2,343.48	-3,063.53	2,877.79	2,702.79	175.00	16.445			
12,900.00	7,249.83	7,220.61	7,220.20	170.40	30.83	-89.71	-2,343.48	-3,063.53	2,925.40	2,750.58	174.83	16.733			
13,000.00	7,250.01	7,221.07	7,220.67	173.18	30.83	-89.72	-2,343.48	-3,063.53	2,975.62	2,801.08	174.54	17.048			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,100.00	7,250.19	7,221.54	7,221.13	175.96	30.83	-89.73	-2,343.49	-3,063.53	3,028.31	2,854.15	174.16	17.388		
13,200.00	7,250.37	7,222.00	7,221.59	178.74	30.83	-89.74	-2,343.49	-3,063.53	3,083.34	2,909.66	173.69	17.752		
13,300.00	7,250.56	7,222.47	7,222.06	181.52	30.83	-89.75	-2,343.49	-3,063.53	3,140.59	2,967.46	173.14	18.139		
13,400.00	7,250.74	7,222.93	7,222.52	184.31	30.84	-89.76	-2,343.50	-3,063.53	3,199.95	3,027.43	172.52	18.548		
13,500.00	7,250.92	7,223.39	7,222.99	187.09	30.84	-89.77	-2,343.50	-3,063.53	3,261.29	3,089.44	171.85	18.978		
13,600.00	7,251.10	7,223.86	7,223.45	189.88	30.84	-89.78	-2,343.50	-3,063.54	3,324.50	3,153.38	171.12	19.427		
13,700.00	7,251.29	7,224.32	7,223.91	192.67	30.84	-89.79	-2,343.51	-3,063.54	3,389.49	3,219.13	170.36	19.896		
13,800.00	7,251.47	7,224.79	7,224.38	195.47	30.84	-89.80	-2,343.51	-3,063.54	3,456.15	3,286.58	169.57	20.382		
13,900.00	7,251.65	7,225.25	7,224.84	198.26	30.85	-89.81	-2,343.52	-3,063.54	3,524.39	3,355.64	168.75	20.886		
14,000.00	7,251.83	7,225.71	7,225.31	201.05	30.85	-89.82	-2,343.52	-3,063.54	3,594.11	3,426.21	167.91	21.406		
14,100.00	7,252.01	7,226.18	7,225.77	203.85	30.85	-89.83	-2,343.52	-3,063.54	3,665.24	3,498.19	167.05	21.941		
14,200.00	7,252.20	7,226.64	7,226.23	206.65	30.85	-89.84	-2,343.53	-3,063.54	3,737.69	3,571.51	166.18	22.491		
14,300.00	7,252.38	7,227.11	7,226.70	209.45	30.85	-89.85	-2,343.53	-3,063.54	3,811.38	3,646.07	165.31	23.056		
14,400.00	7,252.56	7,227.57	7,227.16	212.25	30.86	-89.86	-2,343.53	-3,063.54	3,886.25	3,721.82	164.43	23.634		
14,500.00	7,252.74	7,228.03	7,227.63	215.05	30.86	-89.87	-2,343.54	-3,063.55	3,962.23	3,798.68	163.56	24.225		
14,600.00	7,252.93	7,228.50	7,228.09	217.86	30.86	-89.88	-2,343.54	-3,063.55	4,039.26	3,876.58	162.68	24.829		
14,700.00	7,253.11	7,228.96	7,228.55	220.66	30.86	-89.90	-2,343.54	-3,063.55	4,117.27	3,955.46	161.82	25.444		
14,800.00	7,253.29	7,229.43	7,229.02	223.47	30.86	-89.91	-2,343.55	-3,063.55	4,196.22	4,035.27	160.96	26.071		
14,900.00	7,253.47	7,229.89	7,229.48	226.27	30.87	-89.92	-2,343.55	-3,063.55	4,276.05	4,115.95	160.11	26.708		
15,000.00	7,253.66	7,230.35	7,229.95	229.08	30.87	-89.93	-2,343.56	-3,063.55	4,356.71	4,197.45	159.26	27.355		
15,100.00	7,253.84	7,230.82	7,230.41	231.89	30.87	-89.94	-2,343.56	-3,063.55	4,438.16	4,279.72	158.43	28.013		
15,200.00	7,254.02	7,231.28	7,230.87	234.70	30.87	-89.95	-2,343.56	-3,063.55	4,520.35	4,362.73	157.62	28.679		
15,300.00	7,254.20	7,231.75	7,231.34	237.51	30.87	-89.96	-2,343.57	-3,063.56	4,603.25	4,446.44	156.81	29.355		
15,400.00	7,254.39	7,232.21	7,231.80	240.32	30.88	-89.97	-2,343.57	-3,063.56	4,686.81	4,530.79	156.02	30.039		
15,500.00	7,254.57	7,232.67	7,232.27	243.13	30.88	-89.98	-2,343.57	-3,063.56	4,771.01	4,615.76	155.25	30.731		
15,600.00	7,254.75	7,233.14	7,232.73	245.94	30.88	-89.99	-2,343.58	-3,063.56	4,855.81	4,701.32	154.49	31.431		
15,700.00	7,254.93	7,233.60	7,233.19	248.76	30.88	-90.00	-2,343.58	-3,063.56	4,941.17	4,787.43	153.74	32.139		
15,800.00	7,255.12	7,234.07	7,233.66	251.57	30.88	-90.01	-2,343.58	-3,063.56	5,027.08	4,874.07	153.01	32.854		
15,900.00	7,255.30	7,234.53	7,234.12	254.39	30.89	-90.02	-2,343.59	-3,063.56	5,113.50	4,961.20	152.30	33.575		
16,000.00	7,255.48	7,234.99	7,234.59	257.20	30.89	-90.03	-2,343.59	-3,063.56	5,200.40	5,048.80	151.60	34.303		
16,100.00	7,255.66	7,235.46	7,235.05	260.02	30.89	-90.04	-2,343.60	-3,063.56	5,287.77	5,136.85	150.92	35.038		
16,200.00	7,255.85	7,235.92	7,235.51	262.84	30.89	-90.05	-2,343.60	-3,063.57	5,375.58	5,225.33	150.25	35.778		
16,300.00	7,256.03	7,236.39	7,235.98	265.65	30.89	-90.06	-2,343.60	-3,063.57	5,463.80	5,314.21	149.59	36.524		
16,400.00	7,256.21	7,236.85	7,236.44	268.47	30.90	-90.07	-2,343.61	-3,063.57	5,552.43	5,403.47	148.95	37.276		
16,500.00	7,256.39	7,237.31	7,236.91	271.29	30.90	-90.08	-2,343.61	-3,063.57	5,641.43	5,493.10	148.33	38.033		
16,600.00	7,256.58	7,237.78	7,237.37	274.11	30.90	-90.09	-2,343.61	-3,063.57	5,730.80	5,583.08	147.72	38.794		
16,700.00	7,256.76	7,238.24	7,237.83	276.93	30.90	-90.10	-2,343.62	-3,063.57	5,820.52	5,673.39	147.13	39.561		
16,800.00	7,256.94	7,238.71	7,238.30	279.75	30.90	-90.11	-2,343.62	-3,063.57	5,910.56	5,764.01	146.55	40.332		
16,900.00	7,257.12	7,239.17	7,238.76	282.57	30.90	-90.12	-2,343.62	-3,063.57	6,000.92	5,854.94	145.98	41.108		
17,000.00	7,257.30	7,239.63	7,239.23	285.40	30.91	-90.13	-2,343.63	-3,063.58	6,091.58	5,946.15	145.43	41.888		
17,100.00	7,257.49	7,240.10	7,239.69	288.22	30.91	-90.15	-2,343.63	-3,063.58	6,182.53	6,037.64	144.89	42.671		
17,200.00	7,257.67	7,240.56	7,240.15	291.04	30.91	-90.16	-2,343.64	-3,063.58	6,273.76	6,129.39	144.36	43.459		
17,300.00	7,257.85	7,241.03	7,240.62	293.87	30.91	-90.17	-2,343.64	-3,063.58	6,365.24	6,221.40	143.85	44.250		
17,400.00	7,258.03	7,241.49	7,241.08	296.69	30.91	-90.18	-2,343.64	-3,063.58	6,456.98	6,313.64	143.35	45.045		
17,500.00	7,258.22	7,241.95	7,241.54	299.51	30.92	-90.19	-2,343.65	-3,063.58	6,548.97	6,406.11	142.86	45.843		
17,600.00	7,258.40	7,242.42	7,242.01	302.34	30.92	-90.20	-2,343.65	-3,063.58	6,641.18	6,498.80	142.38	46.644		
17,700.00	7,258.58	7,242.88	7,242.47	305.16	30.92	-90.21	-2,343.65	-3,063.58	6,733.62	6,591.70	141.91	47.449		
17,800.00	7,258.76	7,243.35	7,242.94	307.99	30.92	-90.22	-2,343.66	-3,063.58	6,826.27	6,684.81	141.46	48.256		
17,900.00	7,258.95	7,243.81	7,243.40	310.82	30.92	-90.23	-2,343.66	-3,063.59	6,919.12	6,778.10	141.02	49.066		
18,000.00	7,259.13	7,244.27	7,243.86	313.64	30.93	-90.24	-2,343.66	-3,063.59	7,012.17	6,871.58	140.58	49.879		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,100.00	7,259.31	7,244.74	7,244.33	316.47	30.93	-90.25	-2,343.67	-3,063.59	7,105.41	6,965.25	140.16	50.694		
18,200.00	7,259.49	7,245.20	7,244.79	319.30	30.93	-90.26	-2,343.67	-3,063.59	7,198.83	7,059.08	139.75	51.511		
18,300.00	7,259.68	7,245.67	7,245.26	322.12	30.93	-90.27	-2,343.67	-3,063.59	7,292.42	7,153.07	139.35	52.331		
18,400.00	7,259.86	7,246.13	7,245.72	324.95	30.93	-90.28	-2,343.68	-3,063.59	7,386.19	7,247.23	138.96	53.153		
18,500.00	7,260.04	7,246.59	7,246.18	327.78	30.94	-90.29	-2,343.68	-3,063.59	7,480.11	7,341.53	138.58	53.978		
18,600.00	7,260.22	7,247.06	7,246.65	330.61	30.94	-90.30	-2,343.69	-3,063.59	7,574.19	7,435.99	138.21	54.804		
18,700.00	7,260.41	7,247.52	7,247.11	333.44	30.94	-90.31	-2,343.69	-3,063.60	7,668.42	7,530.58	137.84	55.632		
18,800.00	7,260.59	7,247.99	7,247.58	336.27	30.94	-90.32	-2,343.69	-3,063.60	7,762.80	7,625.31	137.49	56.461		
18,900.00	7,260.77	7,248.45	7,248.04	339.10	30.94	-90.33	-2,343.70	-3,063.60	7,857.31	7,720.17	137.14	57.293		
19,000.00	7,260.95	7,248.91	7,248.50	341.93	30.95	-90.34	-2,343.70	-3,063.60	7,951.96	7,815.15	136.81	58.126		
19,025.91	7,261.00	7,249.03	7,248.62	342.66	30.95	-90.35	-2,343.70	-3,063.60	7,976.50	7,839.78	136.72	58.342		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	5.52	5.52	3.28	3.28	-122.32	-1,073.92	-1,697.30	2,008.52					
100.00	100.00	115.86	115.86	3.28	3.29	-122.32	-1,073.61	-1,697.12	2,008.23	2,001.66	6.57	305.466		
200.00	200.00	213.83	213.83	3.34	3.35	-122.32	-1,073.53	-1,696.65	2,007.78	2,001.08	6.69	300.049		
214.27	214.27	227.66	227.65	3.35	3.37	146.97	-1,073.55	-1,696.57	2,007.74	2,001.03	6.72	298.937		
300.00	299.98	310.52	310.52	3.44	3.46	146.97	-1,073.68	-1,696.14	2,008.88	2,001.97	6.91	290.823		
400.00	399.84	406.03	406.02	3.60	3.62	146.99	-1,073.94	-1,695.80	2,013.11	2,005.89	7.22	278.952		
500.00	499.45	508.62	508.61	3.81	3.82	147.04	-1,074.11	-1,695.53	2,020.30	2,012.67	7.63	264.888		
600.00	598.70	605.36	605.35	4.05	4.05	147.11	-1,074.10	-1,695.39	2,030.42	2,022.31	8.10	250.572		
700.00	697.47	692.24	692.23	4.34	4.28	147.18	-1,074.06	-1,695.64	2,043.83	2,035.21	8.62	237.192		
800.00	795.62	786.46	786.45	4.66	4.55	147.28	-1,074.21	-1,696.23	2,060.56	2,051.36	9.20	223.908		
849.22	843.68	837.13	837.12	4.84	4.70	147.34	-1,074.39	-1,696.51	2,069.90	2,060.38	9.52	217.326		
900.00	893.16	891.07	891.06	5.02	4.87	147.53	-1,074.39	-1,696.78	2,079.82	2,069.95	9.87	210.747		
1,000.00	990.60	989.39	989.38	5.41	5.18	147.87	-1,074.22	-1,697.24	2,099.25	2,088.70	10.55	199.016		
1,100.00	1,088.05	1,092.59	1,092.58	5.83	5.53	148.21	-1,074.15	-1,697.48	2,118.62	2,107.34	11.28	187.866		
1,200.00	1,185.49	1,182.47	1,182.46	6.26	5.85	148.50	-1,074.42	-1,697.50	2,138.05	2,126.07	11.99	178.393		
1,300.00	1,282.93	1,268.23	1,268.22	6.70	6.15	148.76	-1,074.94	-1,697.83	2,157.99	2,145.30	12.70	169.969		
1,400.00	1,380.37	1,362.51	1,362.49	7.15	6.50	149.06	-1,075.24	-1,698.82	2,178.41	2,164.96	13.46	161.885		
1,500.00	1,477.82	1,472.61	1,472.58	7.62	6.91	149.39	-1,076.08	-1,699.39	2,198.68	2,184.38	14.30	153.795		
1,600.00	1,575.26	1,585.40	1,585.37	8.09	7.34	149.71	-1,076.74	-1,699.16	2,218.27	2,203.11	15.16	146.305		
1,700.00	1,672.70	1,692.55	1,692.52	8.57	7.75	150.01	-1,077.12	-1,698.39	2,237.38	2,221.36	16.02	139.694		
1,800.00	1,770.15	1,768.67	1,768.63	9.05	8.05	150.23	-1,077.19	-1,698.13	2,256.75	2,240.00	16.75	134.766		
1,900.00	1,867.59	1,857.45	1,857.41	9.54	8.39	150.49	-1,077.32	-1,698.71	2,277.01	2,259.47	17.54	129.852		
2,000.00	1,965.03	1,957.84	1,957.80	10.03	8.79	150.76	-1,077.88	-1,699.09	2,297.30	2,278.92	18.38	124.967		
2,100.00	2,062.48	2,062.74	2,062.70	10.53	9.21	151.04	-1,078.40	-1,699.30	2,317.46	2,298.20	19.26	120.338		
2,200.00	2,159.92	2,160.99	2,160.95	11.03	9.60	151.30	-1,078.83	-1,699.20	2,337.37	2,317.26	20.11	116.246		
2,300.00	2,257.36	2,252.38	2,252.34	11.53	9.97	151.55	-1,078.89	-1,699.46	2,357.50	2,336.57	20.93	112.647		
2,400.00	2,354.81	2,349.35	2,349.31	12.03	10.36	151.80	-1,079.26	-1,699.83	2,377.89	2,356.11	21.78	109.182		
2,500.00	2,452.25	2,450.87	2,450.83	12.54	10.78	152.05	-1,079.77	-1,699.94	2,398.14	2,375.49	22.66	105.854		
2,600.00	2,549.69	2,550.49	2,550.45	13.04	11.18	152.29	-1,080.25	-1,699.96	2,418.35	2,394.83	23.53	102.798		
2,700.00	2,647.13	2,651.69	2,651.65	13.55	11.60	152.54	-1,080.63	-1,699.89	2,438.48	2,414.07	24.41	99.916		
2,800.00	2,744.58	2,747.14	2,747.09	14.06	11.99	152.76	-1,081.01	-1,699.70	2,458.54	2,433.28	25.26	97.332		
2,900.00	2,842.02	2,847.89	2,847.84	14.57	12.41	152.99	-1,081.74	-1,699.53	2,478.81	2,452.67	26.14	94.821		
3,000.00	2,939.46	2,949.02	2,948.97	15.09	12.83	153.22	-1,082.32	-1,698.98	2,498.71	2,471.68	27.03	92.448		
3,100.00	3,036.91	3,043.29	3,043.24	15.60	13.22	153.43	-1,082.67	-1,698.76	2,518.84	2,490.96	27.88	90.341		
3,200.00	3,134.35	3,138.09	3,138.03	16.11	13.61	153.64	-1,082.94	-1,698.55	2,538.97	2,510.23	28.74	88.348		
3,300.00	3,231.79	3,224.66	3,224.61	16.63	13.97	153.83	-1,083.24	-1,698.68	2,559.50	2,529.95	29.55	86.604		
3,400.00	3,329.24	3,316.74	3,316.68	17.14	14.35	154.04	-1,083.48	-1,699.19	2,580.38	2,549.98	30.40	84.884		
3,500.00	3,426.68	3,417.69	3,417.63	17.66	14.77	154.26	-1,083.99	-1,699.62	2,601.29	2,570.00	31.29	83.131		
3,600.00	3,524.12	3,513.22	3,513.16	18.18	15.17	154.46	-1,084.35	-1,700.03	2,622.18	2,590.02	32.16	81.545		
3,700.00	3,621.57	3,599.18	3,599.12	18.69	15.53	154.64	-1,084.72	-1,700.64	2,643.37	2,610.40	32.97	80.174		
3,800.00	3,719.01	3,705.81	3,705.75	19.21	15.98	154.86	-1,085.68	-1,701.22	2,664.64	2,630.74	33.90	78.611		
3,900.00	3,816.45	3,802.64	3,802.57	19.73	16.39	155.04	-1,086.80	-1,701.48	2,685.78	2,651.01	34.77	77.242		
4,000.00	3,913.90	3,891.20	3,891.12	20.25	16.76	155.20	-1,087.77	-1,701.89	2,707.11	2,671.51	35.60	76.042		
4,100.00	4,011.34	3,980.39	3,980.30	20.77	17.13	155.38	-1,088.50	-1,702.72	2,728.76	2,692.33	36.43	74.898		
4,200.00	4,108.78	4,075.44	4,075.34	21.29	17.53	155.57	-1,088.90	-1,703.98	2,750.65	2,713.35	37.30	73.748		
4,300.00	4,206.22	4,171.63	4,171.52	21.81	17.94	155.76	-1,089.21	-1,705.32	2,772.60	2,734.43	38.17	72.639		
4,400.00	4,303.67	4,298.08	4,297.96	22.33	18.47	156.03	-1,088.73	-1,706.94	2,794.24	2,755.03	39.21	71.261		
4,500.00	4,401.11	4,418.23	4,418.10	22.85	18.97	156.29	-1,087.35	-1,707.48	2,814.85	2,774.64	40.22	69.994		
4,600.00	4,498.55	4,524.88	4,524.74	23.37	19.42	156.51	-1,086.14	-1,707.21	2,834.86	2,793.72	41.15	68.899		
4,700.00	4,596.00	4,612.68	4,612.54	23.89	19.79	156.68	-1,085.64	-1,706.88	2,855.02	2,813.04	41.97	68.022		
4,800.00	4,693.44	4,709.97	4,709.82	24.41	20.19	156.87	-1,084.93	-1,706.79	2,875.39	2,832.54	42.85	67.102		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
4,900.00	4,790.88	4,823.60	4,823.45	24.93	20.67	157.09	-1,083.80	-1,706.22	2,895.31	2,851.49	43.82	66.071					
5,000.00	4,888.33	4,902.38	4,902.23	25.46	21.00	157.23	-1,083.42	-1,705.86	2,915.49	2,870.89	44.60	65.372					
5,100.00	4,985.77	5,016.21	5,016.05	25.98	21.48	157.43	-1,083.10	-1,705.15	2,935.62	2,890.04	45.57	64.418					
5,200.00	5,083.21	5,096.53	5,096.37	26.50	21.82	157.57	-1,082.66	-1,704.83	2,955.89	2,909.54	46.36	63.764					
5,300.00	5,180.66	5,187.67	5,187.51	27.02	22.20	157.74	-1,082.03	-1,704.92	2,976.59	2,929.39	47.20	63.060					
5,400.00	5,278.10	5,281.99	5,281.82	27.55	22.60	157.91	-1,081.33	-1,705.18	2,997.47	2,949.40	48.07	62.361					
5,500.00	5,375.54	5,377.15	5,376.99	28.07	23.00	158.08	-1,080.64	-1,705.53	3,018.46	2,969.52	48.94	61.683					
5,582.90	5,456.32	5,453.31	5,453.14	28.50	23.32	158.21	-1,080.19	-1,705.84	3,035.95	2,986.31	49.64	61.160					
5,600.00	5,473.00	5,468.79	5,468.62	28.59	23.39	158.27	-1,080.11	-1,705.92	3,039.53	2,989.75	49.78	61.055					
5,700.00	5,570.93	5,571.23	5,571.06	29.10	23.82	158.57	-1,079.63	-1,706.42	3,058.64	3,007.96	50.69	60.344					
5,800.00	5,669.52	5,664.75	5,664.58	29.57	24.22	158.80	-1,079.22	-1,706.74	3,074.45	3,022.92	51.53	59.669					
5,900.00	5,768.62	5,766.11	5,765.93	30.03	24.65	159.00	-1,078.75	-1,707.31	3,087.24	3,034.84	52.40	58.919					
6,000.00	5,868.13	5,869.23	5,869.06	30.45	25.08	159.14	-1,078.18	-1,707.69	3,096.58	3,043.31	53.27	58.130					
6,100.00	5,967.93	5,959.62	5,959.44	30.86	25.47	159.23	-1,077.84	-1,708.04	3,102.75	3,048.70	54.05	57.402					
6,200.00	6,067.88	6,084.87	6,084.69	31.24	26.00	159.28	-1,077.63	-1,708.47	3,105.75	3,050.73	55.03	56.438					
6,232.12	6,100.00	6,117.11	6,116.93	31.36	26.13	-110.01	-1,077.58	-1,708.32	3,105.77	3,050.48	55.29	56.172					
6,280.90	6,148.78	6,153.96	6,153.78	31.54	26.29	-110.01	-1,077.57	-1,708.25	3,105.68	3,050.07	55.61	55.848					
6,300.00	6,167.88	6,168.39	6,168.21	31.61	26.35	-110.01	-1,077.57	-1,708.26	3,105.69	3,049.96	55.73	55.723					
6,400.00	6,267.88	6,248.24	6,248.06	31.97	26.69	-110.01	-1,077.78	-1,708.62	3,106.20	3,049.78	56.41	55.061					
6,500.00	6,367.88	6,330.01	6,329.82	32.34	27.04	-110.02	-1,078.47	-1,709.30	3,107.28	3,050.17	57.10	54.414					
6,600.00	6,467.88	6,413.18	6,412.98	32.70	27.39	-110.02	-1,079.10	-1,710.59	3,108.98	3,051.18	57.80	53.785					
6,700.00	6,567.88	6,519.25	6,519.02	33.07	27.84	-110.00	-1,078.73	-1,712.77	3,110.79	3,052.14	58.65	53.043					
6,736.50	6,604.38	6,555.68	6,555.45	33.21	28.00	-109.99	-1,078.30	-1,713.60	3,111.42	3,052.48	58.94	52.790					
6,750.00	6,617.88	6,569.16	6,568.92	33.25	28.05	-22.88	-1,078.11	-1,713.92	3,111.52	3,052.48	59.05	52.696					
6,800.00	6,667.77	6,653.27	6,653.00	33.43	28.41	-22.96	-1,076.62	-1,715.70	3,109.50	3,049.87	59.64	52.141					
6,850.00	6,717.28	6,727.41	6,727.11	33.60	28.73	-23.23	-1,075.03	-1,716.28	3,103.07	3,042.91	60.15	51.586					
6,900.00	6,766.09	6,768.24	6,767.94	33.79	28.90	-23.64	-1,074.32	-1,716.53	3,093.12	3,032.65	60.46	51.157					
6,950.00	6,813.90	6,810.39	6,810.08	33.99	29.08	-24.23	-1,073.76	-1,716.84	3,079.80	3,019.02	60.77	50.678					
7,000.00	6,860.42	6,859.29	6,858.98	34.20	29.29	-25.03	-1,073.10	-1,717.21	3,063.09	3,001.97	61.11	50.122					
7,050.00	6,905.36	6,907.70	6,907.38	34.42	29.49	-26.05	-1,072.35	-1,717.57	3,043.06	2,981.61	61.44	49.526					
7,100.00	6,948.45	6,960.86	6,960.53	34.67	29.72	-27.35	-1,071.36	-1,717.90	3,019.77	2,957.97	61.80	48.866					
7,150.00	6,989.41	7,011.31	7,010.97	34.94	29.93	-28.96	-1,070.23	-1,718.12	2,993.35	2,931.22	62.13	48.178					
7,200.00	7,028.00	7,049.73	7,049.38	35.24	30.10	-30.85	-1,069.34	-1,718.25	2,964.08	2,901.69	62.39	47.505					
7,250.00	7,063.98	7,087.17	7,086.80	35.56	30.26	-33.15	-1,068.47	-1,718.35	2,932.18	2,869.53	62.65	46.799					
7,300.00	7,097.13	7,120.88	7,120.51	35.92	30.40	-35.93	-1,067.70	-1,718.43	2,897.88	2,834.98	62.90	46.072					
7,350.00	7,127.23	7,151.12	7,150.74	36.32	30.53	-39.26	-1,067.00	-1,718.50	2,861.41	2,798.28	63.13	45.324					
7,400.00	7,154.12	7,178.14	7,177.76	36.75	30.64	-43.28	-1,066.37	-1,718.56	2,823.02	2,759.66	63.36	44.556					
7,450.00	7,177.61	7,201.79	7,201.39	37.22	30.74	-48.08	-1,065.83	-1,718.61	2,782.98	2,719.40	63.58	43.770					
7,500.00	7,197.57	7,221.90	7,221.50	37.73	30.83	-53.76	-1,065.36	-1,718.66	2,741.55	2,677.74	63.80	42.968					
7,550.00	7,213.88	7,238.36	7,237.96	38.28	30.90	-60.39	-1,064.98	-1,718.70	2,699.01	2,634.98	64.03	42.153					
7,600.00	7,226.42	7,251.07	7,250.67	38.87	30.95	-67.92	-1,064.69	-1,718.73	2,655.64	2,591.38	64.26	41.328					
7,650.00	7,235.13	7,259.95	7,259.54	39.48	30.99	-76.14	-1,064.48	-1,718.75	2,611.73	2,547.23	64.49	40.496					
7,700.00	7,239.95	7,264.94	7,264.53	40.12	31.01	-84.72	-1,064.37	-1,718.76	2,567.57	2,502.83	64.74	39.662					
7,735.44	7,241.00	7,266.11	7,265.70	40.59	31.02	-90.77	-1,064.34	-1,718.76	2,536.28	2,471.36	64.91	39.072					
7,800.00	7,241.11	7,266.44	7,266.03	41.47	31.02	-90.78	-1,064.33	-1,718.76	2,479.54	2,414.28	65.26	37.992					
7,900.00	7,241.27	7,266.96	7,266.55	42.96	31.02	-90.81	-1,064.32	-1,718.76	2,392.44	2,326.53	65.91	36.299					
8,000.00	7,241.44	7,267.47	7,267.06	44.59	31.02	-90.83	-1,064.31	-1,718.76	2,306.39	2,239.70	66.69	34.583					
8,100.00	7,241.61	7,267.98	7,267.57	46.34	31.03	-90.85	-1,064.30	-1,718.77	2,221.51	2,153.88	67.63	32.850					
8,200.00	7,241.77	7,268.50	7,268.09	48.20	31.03	-90.88	-1,064.29	-1,718.77	2,137.93	2,069.20	68.73	31.104					
8,300.00	7,241.94	7,269.01	7,268.60	50.16	31.03	-90.90	-1,064.27	-1,718.77	2,055.82	1,985.79	70.03	29.354					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH		Offset Site Error:		0.00 ft	
Survey Program: 100-GYRO-NS																Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning					
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor							
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)	(ft)							
8,400.00	7,242.11	7,269.52	7,269.11	52.20	31.03	-90.93	-1,064.26	-1,718.77	1,975.37	1,903.82	71.55	27.610							
8,500.00	7,242.27	7,270.04	7,269.63	54.31	31.04	-90.95	-1,064.25	-1,718.77	1,896.77	1,823.48	73.29	25.882							
8,600.00	7,242.44	7,270.55	7,270.14	56.49	31.04	-90.98	-1,064.24	-1,718.77	1,820.27	1,745.00	75.27	24.182							
8,700.00	7,242.60	7,271.07	7,270.65	58.73	31.04	-91.00	-1,064.23	-1,718.77	1,746.15	1,668.62	77.52	22.524							
8,800.00	7,242.77	7,271.58	7,271.17	61.03	31.04	-91.03	-1,064.22	-1,718.77	1,674.72	1,594.67	80.05	20.921							
8,900.00	7,242.94	7,272.09	7,271.68	63.37	31.04	-91.05	-1,064.20	-1,718.78	1,606.34	1,523.49	82.86	19.387							
9,000.00	7,243.10	7,272.61	7,272.19	65.75	31.05	-91.08	-1,064.19	-1,718.78	1,541.43	1,455.48	85.95	17.934							
9,100.00	7,243.27	7,273.12	7,272.71	68.18	31.05	-91.10	-1,064.18	-1,718.78	1,480.42	1,391.11	89.31	16.576							
9,200.00	7,243.44	7,273.63	7,273.22	70.63	31.05	-91.13	-1,064.17	-1,718.78	1,423.83	1,330.91	92.92	15.323							
9,300.00	7,243.60	7,274.15	7,273.73	73.12	31.05	-91.15	-1,064.16	-1,718.78	1,372.21	1,275.47	96.74	14.184							
9,400.00	7,243.77	7,274.66	7,274.25	75.63	31.05	-91.17	-1,064.14	-1,718.78	1,326.12	1,225.41	100.71	13.168							
9,500.00	7,243.94	7,275.17	7,274.76	78.17	31.06	-91.20	-1,064.13	-1,718.78	1,286.18	1,181.43	104.75	12.279							
9,600.00	7,244.10	7,275.69	7,275.27	80.73	31.06	-91.22	-1,064.12	-1,718.78	1,252.96	1,144.20	108.76	11.521							
9,700.00	7,244.27	7,276.20	7,275.79	83.31	31.06	-91.25	-1,064.11	-1,718.78	1,227.01	1,114.39	112.62	10.895							
9,800.00	7,244.44	7,276.71	7,276.30	85.91	31.06	-91.27	-1,064.10	-1,718.79	1,208.80	1,092.58	116.22	10.401							
9,900.00	7,244.60	7,277.23	7,276.81	88.53	31.07	-91.30	-1,064.08	-1,718.79	1,198.69	1,079.25	119.44	10.036							
9,971.76	7,244.72	7,277.60	7,277.18	90.42	31.07	-91.32	-1,064.08	-1,718.79	1,196.54	1,075.08	121.46	9.852 CC							
10,000.00	7,244.77	7,277.74	7,277.33	91.16	31.07	-91.32	-1,064.07	-1,718.79	1,196.87	1,074.70	122.17	9.797 ES							
10,100.00	7,244.94	7,278.25	7,277.84	93.81	31.07	-91.35	-1,064.06	-1,718.79	1,203.39	1,079.03	124.36	9.677							
10,200.00	7,245.10	7,278.77	7,278.35	96.46	31.07	-91.37	-1,064.05	-1,718.79	1,218.11	1,092.16	125.96	9.671 SF							
10,300.00	7,245.27	7,279.28	7,278.87	99.14	31.07	-91.40	-1,064.04	-1,718.79	1,240.74	1,113.77	126.98	9.771							
10,400.00	7,245.43	7,279.80	7,279.38	101.82	31.08	-91.42	-1,064.03	-1,718.79	1,270.86	1,143.40	127.46	9.971							
10,500.00	7,245.60	7,280.31	7,279.89	104.51	31.08	-91.44	-1,064.01	-1,718.79	1,307.95	1,180.49	127.46	10.262							
10,600.00	7,245.77	7,280.82	7,280.41	107.21	31.08	-91.47	-1,064.00	-1,718.80	1,351.44	1,224.38	127.06	10.636							
10,700.00	7,245.93	7,281.34	7,280.92	109.92	31.08	-91.49	-1,063.99	-1,718.80	1,400.72	1,274.39	126.34	11.087							
10,800.00	7,246.10	7,281.85	7,281.43	112.64	31.09	-91.52	-1,063.98	-1,718.80	1,455.22	1,329.85	125.37	11.608							
10,900.00	7,246.27	7,282.36	7,281.95	115.37	31.09	-91.54	-1,063.97	-1,718.80	1,514.37	1,390.15	124.22	12.191							
11,000.00	7,246.43	7,282.88	7,282.46	118.10	31.09	-91.57	-1,063.95	-1,718.80	1,577.64	1,454.69	122.95	12.832							
11,100.00	7,246.60	7,283.39	7,282.97	120.84	31.09	-91.59	-1,063.94	-1,718.80	1,644.56	1,522.96	121.61	13.524							
11,200.00	7,246.77	7,283.90	7,283.49	123.58	31.09	-91.62	-1,063.93	-1,718.80	1,714.71	1,594.48	120.23	14.262							
11,300.00	7,246.93	7,284.42	7,284.00	126.34	31.10	-91.64	-1,063.92	-1,718.80	1,787.70	1,668.86	118.85	15.042							
11,340.34	7,247.00	7,284.62	7,284.21	127.45	31.10	-91.65	-1,063.91	-1,718.80	1,817.87	1,699.58	118.29	15.368							
11,400.00	7,247.10	7,284.92	7,284.50	129.09	31.10	-91.63	-1,063.91	-1,718.80	1,862.80	1,745.33	117.46	15.858							
11,500.00	7,247.27	7,285.35	7,284.93	131.84	31.10	-91.58	-1,063.90	-1,718.81	1,938.11	1,822.06	116.05	16.700							
11,586.15	7,247.43	7,285.66	7,285.25	134.20	31.10	-91.54	-1,063.89	-1,718.81	2,002.95	1,888.14	114.81	17.446							
11,600.00	7,247.45	7,285.71	7,285.29	134.57	31.10	-91.55	-1,063.89	-1,718.81	2,013.39	1,898.78	114.61	17.568							
11,700.00	7,247.64	7,286.04	7,285.63	137.31	31.10	-91.56	-1,063.88	-1,718.81	2,089.93	1,976.75	113.18	18.465							
11,800.00	7,247.82	7,286.37	7,285.96	140.05	31.10	-91.57	-1,063.87	-1,718.81	2,168.38	2,056.58	111.80	19.395							
11,900.00	7,248.00	7,286.70	7,286.29	142.79	31.11	-91.59	-1,063.87	-1,718.81	2,248.54	2,138.06	110.48	20.353							
12,000.00	7,248.18	7,287.04	7,286.62	145.53	31.11	-91.60	-1,063.86	-1,718.81	2,330.24	2,221.03	109.21	21.337							
12,100.00	7,248.37	7,287.37	7,286.95	148.28	31.11	-91.62	-1,063.85	-1,718.81	2,413.32	2,305.32	108.00	22.346							
12,200.00	7,248.55	7,287.70	7,287.28	151.04	31.11	-91.63	-1,063.84	-1,718.81	2,497.63	2,390.79	106.84	23.376							
12,300.00	7,248.73	7,288.03	7,287.61	153.80	31.11	-91.65	-1,063.84	-1,718.81	2,583.07	2,477.32	105.75	24.427							
12,400.00	7,248.91	7,288.36	7,287.95	156.56	31.11	-91.66	-1,063.83	-1,718.81	2,669.51	2,564.81	104.70	25.496							
12,500.00	7,249.10	7,288.69	7,288.28	159.32	31.11	-91.68	-1,063.82	-1,718.81	2,756.88	2,653.17	103.71	26.582							
12,600.00	7,249.28	7,289.03	7,288.61	162.09	31.12	-91.69	-1,063.81	-1,718.81	2,845.07	2,742.30	102.77	27.684							
12,700.00	7,249.46	7,289.36	7,288.94	164.86	31.12	-91.70	-1,063.80	-1,718.81	2,934.03	2,832.15	101.88	28.799							
12,800.00	7,249.64	7,289.69	7,289.27	167.63	31.12	-91.72	-1,063.80	-1,718.82	3,023.67	2,922.64	101.03	29.928							
12,900.00	7,249.83	7,290.02	7,289.60	170.40	31.12	-91.73	-1,063.79	-1,718.82	3,113.94	3,013.71	100.23	31.068							
13,000.00	7,250.01	7,290.35	7,289.93	173.18	31.12	-91.75	-1,063.78	-1,718.82	3,204.80	3,105.33	99.47	32.219							
13,100.00	7,250.19	7,290.68	7,290.27	175.96	31.12	-91.76	-1,063.77	-1,718.82	3,296.18	3,197.43	98.75	33.380							

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,200.00	7,250.37	7,291.01	7,290.60	178.74	31.12	-91.78	-1,063.77	-1,718.82	3,388.05	3,289.98	98.06	34.549		
13,300.00	7,250.56	7,291.35	7,290.93	181.52	31.13	-91.79	-1,063.76	-1,718.82	3,480.36	3,382.95	97.41	35.727		
13,400.00	7,250.74	7,291.68	7,291.26	184.31	31.13	-91.81	-1,063.75	-1,718.82	3,573.09	3,476.30	96.80	36.913		
13,500.00	7,250.92	7,292.01	7,291.59	187.09	31.13	-91.82	-1,063.74	-1,718.82	3,666.21	3,569.99	96.21	38.105		
13,600.00	7,251.10	7,292.34	7,291.92	189.88	31.13	-91.83	-1,063.74	-1,718.82	3,759.67	3,664.01	95.66	39.304		
13,700.00	7,251.29	7,292.67	7,292.25	192.67	31.13	-91.85	-1,063.73	-1,718.82	3,853.47	3,758.34	95.13	40.508		
13,800.00	7,251.47	7,293.00	7,292.59	195.47	31.13	-91.86	-1,063.72	-1,718.82	3,947.56	3,852.94	94.63	41.717		
13,900.00	7,251.65	7,293.33	7,292.92	198.26	31.13	-91.88	-1,063.71	-1,718.82	4,041.95	3,947.80	94.15	42.931		
14,000.00	7,251.83	7,293.67	7,293.25	201.05	31.14	-91.89	-1,063.70	-1,718.82	4,136.59	4,042.90	93.70	44.149		
14,100.00	7,252.01	7,294.00	7,293.58	203.85	31.14	-91.91	-1,063.70	-1,718.83	4,231.48	4,138.22	93.26	45.371		
14,200.00	7,252.20	7,294.33	7,293.91	206.65	31.14	-91.92	-1,063.69	-1,718.83	4,326.61	4,233.75	92.85	46.596		
14,300.00	7,252.38	7,294.66	7,294.24	209.45	31.14	-91.93	-1,063.68	-1,718.83	4,421.94	4,329.48	92.46	47.824		
14,400.00	7,252.56	7,294.99	7,294.57	212.25	31.14	-91.95	-1,063.67	-1,718.83	4,517.48	4,425.39	92.09	49.054		
14,500.00	7,252.74	7,295.32	7,294.91	215.05	31.14	-91.96	-1,063.67	-1,718.83	4,613.21	4,521.48	91.74	50.287		
14,600.00	7,252.93	7,295.66	7,295.24	217.86	31.14	-91.98	-1,063.66	-1,718.83	4,709.12	4,617.72	91.40	51.522		
14,700.00	7,253.11	7,295.99	7,295.57	220.66	31.15	-91.99	-1,063.65	-1,718.83	4,805.19	4,714.11	91.08	52.759		
14,800.00	7,253.29	7,296.32	7,295.90	223.47	31.15	-92.01	-1,063.64	-1,718.83	4,901.42	4,810.65	90.77	53.997		
14,900.00	7,253.47	7,296.65	7,296.23	226.27	31.15	-92.02	-1,063.64	-1,718.83	4,997.80	4,907.32	90.48	55.236		
15,000.00	7,253.66	7,296.98	7,296.56	229.08	31.15	-92.04	-1,063.63	-1,718.83	5,094.32	5,004.11	90.20	56.476		
15,100.00	7,253.84	7,297.31	7,296.89	231.89	31.15	-92.05	-1,063.62	-1,718.83	5,190.97	5,101.03	89.94	57.717		
15,200.00	7,254.02	7,297.64	7,297.23	234.70	31.15	-92.06	-1,063.61	-1,718.83	5,287.74	5,198.05	89.69	58.959		
15,300.00	7,254.20	7,297.98	7,297.56	237.51	31.15	-92.08	-1,063.61	-1,718.83	5,384.63	5,295.19	89.44	60.201		
15,400.00	7,254.39	7,298.31	7,297.89	240.32	31.16	-92.09	-1,063.60	-1,718.84	5,481.63	5,392.42	89.22	61.443		
15,500.00	7,254.57	7,298.64	7,298.22	243.13	31.16	-92.11	-1,063.59	-1,718.84	5,578.74	5,489.75	89.00	62.685		
15,600.00	7,254.75	7,298.97	7,298.55	245.94	31.16	-92.12	-1,063.58	-1,718.84	5,675.95	5,587.16	88.79	63.927		
15,700.00	7,254.93	7,299.30	7,298.88	248.76	31.16	-92.14	-1,063.57	-1,718.84	5,773.26	5,684.67	88.59	65.168		
15,800.00	7,255.12	7,299.63	7,299.21	251.57	31.16	-92.15	-1,063.57	-1,718.84	5,870.65	5,782.25	88.40	66.410		
15,900.00	7,255.30	7,299.97	7,299.55	254.39	31.16	-92.16	-1,063.56	-1,718.84	5,968.13	5,879.91	88.22	67.650		
16,000.00	7,255.48	7,300.30	7,299.88	257.20	31.16	-92.18	-1,063.55	-1,718.84	6,065.70	5,977.65	88.05	68.890		
16,100.00	7,255.66	7,300.63	7,300.21	260.02	31.17	-92.19	-1,063.54	-1,718.84	6,163.34	6,075.45	87.89	70.129		
16,200.00	7,255.85	7,300.96	7,300.54	262.84	31.17	-92.21	-1,063.54	-1,718.84	6,261.06	6,173.32	87.73	71.366		
16,300.00	7,256.03	7,301.29	7,300.87	265.65	31.17	-92.22	-1,063.53	-1,718.84	6,358.84	6,271.26	87.58	72.603		
16,400.00	7,256.21	7,301.62	7,301.20	268.47	31.17	-92.24	-1,063.52	-1,718.84	6,456.70	6,369.25	87.44	73.839		
16,500.00	7,256.39	7,301.95	7,301.53	271.29	31.17	-92.25	-1,063.51	-1,718.84	6,554.62	6,467.31	87.31	75.073		
16,600.00	7,256.58	7,302.29	7,301.87	274.11	31.17	-92.27	-1,063.51	-1,718.84	6,652.60	6,565.41	87.18	76.305		
16,700.00	7,256.76	7,302.62	7,302.20	276.93	31.17	-92.28	-1,063.50	-1,718.85	6,750.64	6,663.57	87.06	77.537		
16,800.00	7,256.94	7,302.95	7,302.53	279.75	31.18	-92.29	-1,063.49	-1,718.85	6,848.74	6,761.79	86.95	78.766		
16,900.00	7,257.12	7,303.28	7,302.86	282.57	31.18	-92.31	-1,063.48	-1,718.85	6,946.89	6,860.04	86.84	79.994		
17,000.00	7,257.30	7,303.61	7,303.19	285.40	31.18	-92.32	-1,063.48	-1,718.85	7,045.09	6,958.35	86.74	81.220		
17,100.00	7,257.49	7,303.94	7,303.52	288.22	31.18	-92.34	-1,063.47	-1,718.85	7,143.34	7,056.70	86.64	82.444		
17,200.00	7,257.67	7,304.28	7,303.85	291.04	31.18	-92.35	-1,063.46	-1,718.85	7,241.64	7,155.09	86.55	83.667		
17,300.00	7,257.85	7,304.61	7,304.19	293.87	31.18	-92.37	-1,063.45	-1,718.85	7,339.99	7,253.52	86.47	84.887		
17,400.00	7,258.03	7,304.94	7,304.52	296.69	31.18	-92.38	-1,063.44	-1,718.85	7,438.38	7,352.00	86.39	86.105		
17,500.00	7,258.22	7,305.27	7,304.85	299.51	31.19	-92.39	-1,063.44	-1,718.85	7,536.82	7,450.50	86.31	87.321		
17,600.00	7,258.40	7,305.60	7,305.18	302.34	31.19	-92.41	-1,063.43	-1,718.85	7,635.29	7,549.05	86.24	88.535		
17,700.00	7,258.58	7,305.93	7,305.51	305.16	31.19	-92.42	-1,063.42	-1,718.85	7,733.80	7,647.63	86.17	89.746		
17,800.00	7,258.76	7,306.26	7,305.84	307.99	31.19	-92.44	-1,063.41	-1,718.85	7,832.35	7,746.24	86.11	90.956		
17,900.00	7,258.95	7,306.60	7,306.17	310.82	31.19	-92.45	-1,063.41	-1,718.85	7,930.94	7,844.89	86.05	92.162		
18,000.00	7,259.13	7,306.93	7,306.51	313.64	31.19	-92.47	-1,063.40	-1,718.86	8,029.56	7,943.56	86.00	93.367		
18,100.00	7,259.31	7,307.26	7,306.84	316.47	31.19	-92.48	-1,063.39	-1,718.86	8,128.22	8,042.27	85.95	94.568		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
18,200.00	7,259.49	7,307.59	7,307.17	319.30	31.20	-92.50	-1,063.38	-1,718.86	8,226.91	8,141.00	85.90	95.768	
18,300.00	7,259.68	7,307.92	7,307.50	322.12	31.20	-92.51	-1,063.38	-1,718.86	8,325.63	8,239.76	85.86	96.964	
18,400.00	7,259.86	7,308.25	7,307.83	324.95	31.20	-92.52	-1,063.37	-1,718.86	8,424.38	8,338.55	85.82	98.158	
18,500.00	7,260.04	7,308.59	7,308.16	327.78	31.20	-92.54	-1,063.36	-1,718.86	8,523.16	8,437.37	85.79	99.350	
18,600.00	7,260.22	7,308.92	7,308.49	330.61	31.20	-92.55	-1,063.35	-1,718.86	8,621.96	8,536.20	85.76	100.538	
18,700.00	7,260.41	7,309.25	7,308.83	333.44	31.20	-92.57	-1,063.35	-1,718.86	8,720.80	8,635.07	85.73	101.724	
18,800.00	7,260.59	7,309.58	7,309.16	336.27	31.20	-92.58	-1,063.34	-1,718.86	8,819.66	8,733.95	85.71	102.907	
18,900.00	7,260.77	7,309.91	7,309.49	339.10	31.21	-92.60	-1,063.33	-1,718.86	8,918.54	8,832.86	85.68	104.087	
19,000.00	7,260.95	7,310.24	7,309.82	341.93	31.21	-92.61	-1,063.32	-1,718.86	9,017.45	8,931.79	85.67	105.264	
19,025.91	7,261.00	7,310.33	7,309.91	342.66	31.21	-92.61	-1,063.32	-1,718.86	9,043.09	8,957.43	85.66	105.568	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-138.86	-844.82	-738.10	1,121.99					
100.00	100.00	81.00	81.00	3.28	3.57	-138.86	-844.82	-738.10	1,121.83	1,114.98	6.86	163.617		
200.00	200.00	181.00	181.00	3.34	5.63	-138.86	-844.82	-738.10	1,121.83	1,112.87	8.96	125.137		
300.00	299.98	280.98	280.98	3.44	8.71	130.48	-844.82	-738.10	1,122.97	1,110.82	12.15	92.443		
400.00	399.84	380.84	380.84	3.60	12.01	130.63	-844.82	-738.10	1,126.37	1,110.77	15.60	72.180		
500.00	499.45	480.45	480.45	3.81	15.38	130.88	-844.82	-738.10	1,132.07	1,112.89	19.18	59.012		
600.00	598.70	579.70	579.70	4.05	18.78	131.22	-844.82	-738.10	1,140.11	1,117.28	22.83	49.937		
700.00	697.47	678.47	678.47	4.34	22.18	131.65	-844.82	-738.10	1,150.54	1,124.02	26.52	43.382		
800.00	795.62	776.62	776.62	4.66	25.58	132.15	-844.82	-738.10	1,163.41	1,133.17	30.24	38.476		
849.22	843.68	824.68	824.68	4.84	27.24	132.42	-844.82	-738.10	1,170.67	1,138.59	32.07	36.499		
900.00	893.16	874.16	874.16	5.02	28.96	132.83	-844.82	-738.10	1,178.50	1,144.53	33.97	34.691		
1,000.00	990.60	971.60	971.60	5.41	32.34	133.61	-844.82	-738.10	1,194.10	1,156.37	37.73	31.651		
1,100.00	1,088.05	1,069.05	1,069.05	5.83	35.73	134.37	-844.82	-738.10	1,209.91	1,168.41	41.50	29.151		
1,200.00	1,185.49	1,166.49	1,166.49	6.26	39.11	135.11	-844.82	-738.10	1,225.93	1,180.63	45.30	27.063		
1,300.00	1,282.93	1,263.93	1,263.93	6.70	42.51	135.83	-844.82	-738.10	1,242.15	1,193.04	49.11	25.294		
1,400.00	1,380.37	1,361.37	1,361.37	7.15	45.90	136.53	-844.82	-738.10	1,258.56	1,205.64	52.93	23.778		
1,500.00	1,477.82	1,458.82	1,458.82	7.62	49.29	137.22	-844.82	-738.10	1,275.16	1,218.40	56.76	22.466		
1,600.00	1,575.26	1,556.26	1,556.26	8.09	52.69	137.89	-844.82	-738.10	1,291.94	1,231.34	60.60	21.321		
1,700.00	1,672.70	1,653.70	1,653.70	8.57	56.08	138.54	-844.82	-738.10	1,308.88	1,244.44	64.44	20.312		
1,800.00	1,770.15	1,751.15	1,751.15	9.05	59.48	139.18	-844.82	-738.10	1,325.99	1,257.71	68.28	19.419		
1,900.00	1,867.59	1,848.59	1,848.59	9.54	62.87	139.80	-844.82	-738.10	1,343.26	1,271.12	72.14	18.621		
2,000.00	1,965.03	1,946.03	1,946.03	10.03	66.27	140.40	-844.82	-738.10	1,360.68	1,284.69	75.99	17.906		
2,100.00	2,062.48	2,043.48	2,043.48	10.53	69.67	140.99	-844.82	-738.10	1,378.24	1,298.40	79.85	17.261		
2,200.00	2,159.92	2,140.92	2,140.92	11.03	73.07	141.57	-844.82	-738.10	1,395.95	1,312.24	83.71	16.677		
2,300.00	2,257.36	2,238.36	2,238.36	11.53	76.47	142.13	-844.82	-738.10	1,413.79	1,326.22	87.57	16.145		
2,400.00	2,354.81	2,335.81	2,335.81	12.03	79.87	142.67	-844.82	-738.10	1,431.76	1,340.33	91.43	15.660		
2,500.00	2,452.25	2,433.25	2,433.25	12.54	83.26	143.21	-844.82	-738.10	1,449.86	1,354.57	95.29	15.215		
2,600.00	2,549.69	2,530.69	2,530.69	13.04	86.66	143.73	-844.82	-738.10	1,468.08	1,368.92	99.16	14.806		
2,700.00	2,647.13	2,628.13	2,628.13	13.55	90.06	144.24	-844.82	-738.10	1,486.41	1,383.39	103.02	14.428		
2,800.00	2,744.58	2,725.58	2,725.58	14.06	93.46	144.73	-844.82	-738.10	1,504.86	1,397.97	106.89	14.079		
2,900.00	2,842.02	2,823.02	2,823.02	14.57	96.86	145.22	-844.82	-738.10	1,523.41	1,412.66	110.76	13.755		
3,000.00	2,939.46	2,920.46	2,920.46	15.09	100.26	145.69	-844.82	-738.10	1,542.07	1,427.45	114.62	13.453		
3,100.00	3,036.91	3,017.91	3,017.91	15.60	103.66	146.15	-844.82	-738.10	1,560.83	1,442.34	118.49	13.172		
3,200.00	3,134.35	3,115.35	3,115.35	16.11	107.06	146.60	-844.82	-738.10	1,579.69	1,457.33	122.36	12.910		
3,300.00	3,231.79	3,212.79	3,212.79	16.63	110.46	147.04	-844.82	-738.10	1,598.64	1,472.41	126.23	12.665		
3,400.00	3,329.24	3,310.24	3,310.24	17.14	113.86	147.47	-844.82	-738.10	1,617.68	1,487.58	130.10	12.434		
3,500.00	3,426.68	3,407.68	3,407.68	17.66	117.26	147.89	-844.82	-738.10	1,636.80	1,502.83	133.97	12.218		
3,600.00	3,524.12	3,505.12	3,505.12	18.18	120.66	148.30	-844.82	-738.10	1,656.01	1,518.18	137.84	12.014		
3,700.00	3,621.57	3,602.57	3,602.57	18.69	124.06	148.70	-844.82	-738.10	1,675.30	1,533.60	141.71	11.822		
3,800.00	3,719.01	3,700.01	3,700.01	19.21	127.46	149.09	-844.82	-738.10	1,694.67	1,549.10	145.58	11.641		
3,900.00	3,816.45	3,802.55	3,797.45	19.73	131.04	149.48	-844.82	-738.10	1,714.12	1,564.50	149.62	11.456		
4,000.00	3,913.90	3,905.10	3,894.90	20.25	134.62	149.85	-844.82	-738.10	1,733.64	1,579.97	153.67	11.281		
4,100.00	4,011.34	4,007.66	3,992.34	20.77	138.20	150.22	-844.82	-738.10	1,753.23	1,595.51	157.72	11.116		
4,200.00	4,108.78	4,089.78	4,089.78	21.29	141.07	150.58	-844.82	-738.10	1,772.88	1,611.83	161.05	11.008		
4,300.00	4,206.22	4,187.22	4,187.22	21.81	144.47	150.93	-844.82	-738.10	1,792.61	1,627.68	164.92	10.869		
4,400.00	4,303.67	4,284.67	4,284.67	22.33	147.87	151.27	-844.82	-738.10	1,812.39	1,643.60	168.79	10.737		
4,500.00	4,401.11	4,382.11	4,382.11	22.85	151.27	151.61	-844.82	-738.10	1,832.24	1,659.58	172.66	10.612		
4,600.00	4,498.55	4,479.55	4,479.55	23.37	154.67	151.93	-844.82	-738.10	1,852.15	1,675.62	176.53	10.492		
4,700.00	4,596.00	4,577.00	4,577.00	23.89	158.07	152.26	-844.82	-738.10	1,872.12	1,691.71	180.40	10.377		
4,800.00	4,693.44	4,674.44	4,674.44	24.41	161.47	152.57	-844.82	-738.10	1,892.14	1,707.87	184.27	10.268		
4,900.00	4,790.88	4,771.88	4,771.88	24.93	164.87	152.88	-844.82	-738.10	1,912.22	1,724.08	188.14	10.164		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,888.33	4,869.33	4,869.33	25.46	168.27	153.18	-844.82	-738.10	1,932.35	1,740.34	192.01	10.064					
5,100.00	4,985.77	4,966.77	4,966.77	25.98	171.68	153.48	-844.82	-738.10	1,952.53	1,756.65	195.88	9.968					
5,200.00	5,083.21	5,064.21	5,064.21	26.50	175.08	153.77	-844.82	-738.10	1,972.76	1,773.01	199.75	9.876					
5,300.00	5,180.66	5,161.66	5,161.66	27.02	178.48	154.05	-844.82	-738.10	1,993.04	1,789.42	203.62	9.788					
5,400.00	5,278.10	5,259.10	5,259.10	27.55	181.88	154.33	-844.82	-738.10	2,013.36	1,805.87	207.49	9.703					
5,500.00	5,375.54	5,356.54	5,356.54	28.07	185.28	154.60	-844.82	-738.10	2,033.73	1,822.37	211.36	9.622					
5,582.90	5,456.32	5,437.32	5,437.32	28.50	188.10	154.83	-844.82	-738.10	2,050.65	1,836.08	214.57	9.557					
5,600.00	5,473.00	5,454.00	5,454.00	28.59	188.68	154.90	-844.82	-738.10	2,054.10	1,838.87	215.23	9.544					
5,700.00	5,570.93	5,551.93	5,551.93	29.10	192.10	155.29	-844.82	-738.10	2,072.47	1,853.36	219.11	9.459					
5,800.00	5,669.52	5,650.52	5,650.52	29.57	195.54	155.61	-844.82	-738.10	2,087.75	1,864.74	223.00	9.362					
5,900.00	5,768.62	5,749.62	5,749.62	30.03	199.00	155.86	-844.82	-738.10	2,099.89	1,872.99	226.90	9.255					
6,000.00	5,868.13	5,849.13	5,849.13	30.45	202.47	156.04	-844.82	-738.10	2,108.87	1,878.07	230.80	9.137					
6,100.00	5,967.93	5,948.93	5,948.93	30.86	205.96	156.16	-844.82	-738.10	2,114.68	1,879.99	234.70	9.010					
6,200.00	6,067.88	6,048.88	6,048.88	31.24	209.45	156.21	-844.82	-738.10	2,117.31	1,878.72	238.59	8.874					
6,232.12	6,100.00	6,081.00	6,081.00	31.36	210.57	-113.07	-844.82	-738.10	2,117.47	1,877.64	239.83	8.829					
6,300.00	6,167.88	6,148.88	6,148.88	31.61	212.94	-113.07	-844.82	-738.10	2,117.47	1,875.01	242.46	8.733					
6,400.00	6,267.88	6,248.88	6,248.88	31.97	216.43	-113.07	-844.82	-738.10	2,117.47	1,871.15	246.32	8.596					
6,500.00	6,367.88	6,348.88	6,348.88	32.34	219.92	-113.07	-844.82	-738.10	2,117.47	1,867.28	250.19	8.463					
6,600.00	6,467.88	6,448.88	6,448.88	32.70	223.41	-113.07	-844.82	-738.10	2,117.47	1,863.41	254.06	8.335					
6,700.00	6,567.88	6,548.88	6,548.88	33.07	226.90	-113.07	-844.82	-738.10	2,117.47	1,859.54	257.93	8.210					
6,736.50	6,604.38	6,585.38	6,585.38	33.21	228.17	-113.07	-844.82	-738.10	2,117.47	1,858.13	259.34	8.165					
6,750.00	6,617.88	6,601.12	6,598.88	33.25	228.72	-25.99	-844.82	-738.10	2,117.34	1,857.40	259.94	8.146					
6,800.00	6,667.77	6,648.77	6,648.77	33.43	230.39	-26.13	-844.82	-738.10	2,114.63	1,852.85	261.77	8.078					
6,850.00	6,717.28	6,701.72	6,698.28	33.60	232.24	-26.46	-844.82	-738.10	2,108.40	1,844.62	263.79	7.993					
6,900.00	6,766.09	6,747.09	6,747.09	33.79	233.82	-26.99	-844.82	-738.10	2,098.72	1,833.20	265.52	7.904					
6,950.00	6,813.90	6,805.10	6,794.90	33.99	235.84	-27.74	-844.82	-738.10	2,085.65	1,817.95	267.70	7.791					
7,000.00	6,860.42	6,841.42	6,841.42	34.20	237.11	-28.71	-844.82	-738.10	2,069.28	1,800.18	269.10	7.690					
7,050.00	6,905.36	6,886.36	6,886.36	34.42	238.68	-29.94	-844.82	-738.10	2,049.74	1,778.94	270.80	7.569					
7,100.00	6,948.45	6,929.45	6,929.45	34.67	240.18	-31.45	-844.82	-738.10	2,027.17	1,754.73	272.44	7.441					
7,150.00	6,989.41	6,970.41	6,970.41	34.94	241.61	-33.29	-844.82	-738.10	2,001.74	1,727.75	273.99	7.306					
7,200.00	7,028.00	7,009.00	7,009.00	35.24	242.96	-35.50	-844.82	-738.10	1,973.64	1,698.17	275.47	7.165					
7,250.00	7,063.98	7,044.98	7,044.98	35.56	244.22	-38.13	-844.82	-738.10	1,943.08	1,666.22	276.86	7.018					
7,300.00	7,097.13	7,078.13	7,078.13	35.92	245.37	-41.26	-844.82	-738.10	1,910.28	1,632.13	278.15	6.868					
7,350.00	7,127.23	7,108.23	7,108.23	36.32	246.43	-44.92	-844.82	-738.10	1,875.50	1,596.14	279.36	6.714					
7,400.00	7,154.12	7,135.12	7,135.12	36.75	247.36	-49.19	-844.82	-738.10	1,838.99	1,558.52	280.47	6.557					
7,450.00	7,177.61	7,158.61	7,158.61	37.22	248.18	-54.09	-844.82	-738.10	1,801.03	1,519.54	281.48	6.398					
7,500.00	7,197.57	7,178.57	7,178.57	37.73	248.88	-59.62	-844.82	-738.10	1,761.90	1,479.50	282.40	6.239					
7,550.00	7,213.88	7,205.12	7,194.88	38.28	249.81	-65.69	-844.82	-738.10	1,721.91	1,438.32	283.59	6.072					
7,600.00	7,226.42	7,207.42	7,207.42	38.87	249.89	-72.17	-844.82	-738.10	1,681.34	1,397.38	283.96	5.921					
7,650.00	7,235.13	7,216.13	7,216.13	39.48	250.19	-78.82	-844.82	-738.10	1,640.51	1,355.91	284.60	5.764					
7,700.00	7,239.95	7,220.95	7,220.95	40.12	250.36	-85.40	-844.82	-738.10	1,599.72	1,314.57	285.14	5.610					
7,735.44	7,241.00	7,222.00	7,222.00	40.59	250.40	-89.87	-844.82	-738.10	1,570.99	1,285.52	285.48	5.503					
7,800.00	7,241.11	7,222.11	7,222.11	41.47	250.40	-89.88	-844.82	-738.10	1,519.37	1,233.28	286.09	5.311					
7,900.00	7,241.27	7,222.27	7,222.27	42.96	250.41	-89.89	-844.82	-738.10	1,441.46	1,154.23	287.23	5.019					
8,000.00	7,241.44	7,222.44	7,222.44	44.59	250.41	-89.90	-844.82	-738.10	1,366.42	1,077.78	288.64	4.734					
8,100.00	7,241.61	7,222.61	7,222.61	46.34	250.42	-89.91	-844.82	-738.10	1,294.77	1,004.41	290.36	4.459					
8,200.00	7,241.77	7,222.77	7,222.77	48.20	250.42	-89.92	-844.82	-738.10	1,227.09	934.68	292.41	4.196					
8,300.00	7,241.94	7,222.94	7,222.94	50.16	250.43	-89.93	-844.82	-738.10	1,164.08	869.27	294.80	3.949					
8,400.00	7,242.11	7,223.11	7,223.11	52.20	250.44	-89.94	-844.82	-738.10	1,106.53	808.99	297.54	3.719					
8,500.00	7,242.27	7,223.27	7,223.27	54.31	250.44	-89.95	-844.82	-738.10	1,055.33	754.76	300.57	3.511					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	7,223.44	7,223.44	56.49	250.45	-89.96	-844.82	-738.10	1,011.45	707.63	303.82	3.329		
8,700.00	7,242.60	7,223.60	7,223.60	58.73	250.45	-89.97	-844.82	-738.10	975.89	668.71	307.18	3.177		
8,800.00	7,242.77	7,223.77	7,223.77	61.03	250.46	-89.98	-844.82	-738.10	949.57	639.08	310.48	3.058		
8,900.00	7,242.94	7,223.94	7,223.94	63.37	250.46	-89.99	-844.82	-738.10	933.27	619.72	313.56	2.976		
9,000.00	7,243.10	7,224.10	7,224.10	65.75	250.47	-90.00	-844.82	-738.10	927.53	611.31	316.22	2.933		
9,003.40	7,243.11	7,224.11	7,224.11	65.84	250.47	-90.00	-844.82	-738.10	927.53	611.22	316.31	2.932 CC, ES		
9,100.00	7,243.27	7,224.27	7,224.27	68.18	250.48	-90.01	-844.82	-738.10	932.55	614.19	318.35	2.929 SF		
9,200.00	7,243.44	7,224.44	7,224.44	70.63	250.48	-90.02	-844.82	-738.10	948.14	628.27	319.86	2.964		
9,300.00	7,243.60	7,224.60	7,224.60	73.12	250.49	-90.03	-844.82	-738.10	973.80	653.04	320.76	3.036		
9,400.00	7,243.77	7,224.77	7,224.77	75.63	250.49	-90.04	-844.82	-738.10	1,008.76	687.67	321.10	3.142		
9,500.00	7,243.94	7,224.94	7,224.94	78.17	250.50	-90.05	-844.82	-738.10	1,052.10	731.14	320.97	3.278		
9,600.00	7,244.10	7,225.10	7,225.10	80.73	250.50	-90.06	-844.82	-738.10	1,102.83	782.35	320.48	3.441		
9,700.00	7,244.27	7,225.27	7,225.27	83.31	250.51	-90.07	-844.82	-738.10	1,159.98	840.24	319.74	3.628		
9,800.00	7,244.44	7,225.44	7,225.44	85.91	250.52	-90.08	-844.82	-738.10	1,222.65	903.82	318.83	3.835		
9,900.00	7,244.60	7,225.60	7,225.60	88.53	250.52	-90.09	-844.82	-738.10	1,290.04	972.20	317.83	4.059		
10,000.00	7,244.77	7,225.77	7,225.77	91.16	250.53	-90.10	-844.82	-738.10	1,361.44	1,044.65	316.79	4.298		
10,100.00	7,244.94	7,225.94	7,225.94	93.81	250.53	-90.11	-844.82	-738.10	1,436.26	1,120.51	315.74	4.549		
10,200.00	7,245.10	7,226.10	7,226.10	96.46	250.54	-90.12	-844.82	-738.10	1,513.99	1,199.27	314.72	4.811		
10,300.00	7,245.27	7,226.27	7,226.27	99.14	250.55	-90.13	-844.82	-738.10	1,594.20	1,280.48	313.73	5.082		
10,400.00	7,245.43	7,226.43	7,226.43	101.82	250.55	-90.14	-844.82	-738.10	1,676.54	1,363.76	312.78	5.360		
10,500.00	7,245.60	7,226.60	7,226.60	104.51	250.56	-90.15	-844.82	-738.10	1,760.72	1,448.83	311.89	5.645		
10,600.00	7,245.77	7,226.77	7,226.77	107.21	250.56	-90.16	-844.82	-738.10	1,846.47	1,535.42	311.04	5.936		
10,700.00	7,245.93	7,226.93	7,226.93	109.92	250.57	-90.17	-844.82	-738.10	1,933.59	1,623.33	310.26	6.232		
10,800.00	7,246.10	7,227.10	7,227.10	112.64	250.57	-90.18	-844.82	-738.10	2,021.90	1,712.38	309.52	6.532		
10,900.00	7,246.27	7,227.27	7,227.27	115.37	250.58	-90.20	-844.82	-738.10	2,111.25	1,802.42	308.83	6.836		
11,000.00	7,246.43	7,227.43	7,227.43	118.10	250.59	-90.21	-844.82	-738.10	2,201.53	1,893.34	308.19	7.143		
11,100.00	7,246.60	7,227.60	7,227.60	120.84	250.59	-90.22	-844.82	-738.10	2,292.60	1,985.01	307.59	7.453		
11,200.00	7,246.77	7,227.77	7,227.77	123.58	250.60	-90.23	-844.82	-738.10	2,384.40	2,077.36	307.03	7.766		
11,300.00	7,246.93	7,227.93	7,227.93	126.34	250.60	-90.24	-844.82	-738.10	2,476.83	2,170.31	306.51	8.081		
11,340.34	7,247.00	7,228.00	7,228.00	127.45	250.61	-90.24	-844.82	-738.10	2,514.28	2,207.96	306.31	8.208		
11,400.00	7,247.10	7,228.10	7,228.10	129.09	250.61	-90.24	-844.82	-738.10	2,569.59	2,263.57	306.02	8.397		
11,500.00	7,247.27	7,228.27	7,228.27	131.84	250.62	-90.23	-844.82	-738.10	2,661.70	2,356.19	305.52	8.712		
11,586.15	7,247.43	7,228.43	7,228.43	134.20	250.62	-90.23	-844.82	-738.10	2,740.42	2,435.34	305.07	8.983		
11,600.00	7,247.45	7,228.45	7,228.45	134.57	250.62	-90.23	-844.82	-738.10	2,753.03	2,448.03	305.00	9.026		
11,700.00	7,247.64	7,228.64	7,228.64	137.31	250.63	-90.24	-844.82	-738.10	2,844.44	2,539.94	304.50	9.341		
11,800.00	7,247.82	7,228.82	7,228.82	140.05	250.63	-90.25	-844.82	-738.10	2,936.40	2,632.37	304.03	9.658		
11,900.00	7,248.00	7,229.00	7,229.00	142.79	250.64	-90.26	-844.82	-738.10	3,028.88	2,725.29	303.59	9.977		
12,000.00	7,248.18	7,229.18	7,229.18	145.53	250.65	-90.27	-844.82	-738.10	3,121.82	2,818.64	303.18	10.297		
12,100.00	7,248.37	7,229.37	7,229.37	148.28	250.65	-90.28	-844.82	-738.10	3,215.18	2,912.39	302.79	10.618		
12,200.00	7,248.55	7,229.55	7,229.55	151.04	250.66	-90.29	-844.82	-738.10	3,308.93	3,006.50	302.43	10.941		
12,300.00	7,248.73	7,229.73	7,229.73	153.80	250.67	-90.30	-844.82	-738.10	3,403.04	3,100.95	302.09	11.265		
12,400.00	7,248.91	7,229.91	7,229.91	156.56	250.67	-90.30	-844.82	-738.10	3,497.47	3,195.70	301.77	11.590		
12,500.00	7,249.10	7,230.10	7,230.10	159.32	250.68	-90.31	-844.82	-738.10	3,592.21	3,290.74	301.47	11.916		
12,600.00	7,249.28	7,230.28	7,230.28	162.09	250.69	-90.32	-844.82	-738.10	3,687.22	3,386.04	301.18	12.242		
12,700.00	7,249.46	7,230.46	7,230.46	164.86	250.69	-90.33	-844.82	-738.10	3,782.49	3,481.57	300.92	12.570		
12,800.00	7,249.64	7,230.64	7,230.64	167.63	250.70	-90.34	-844.82	-738.10	3,878.00	3,577.33	300.67	12.898		
12,900.00	7,249.83	7,230.83	7,230.83	170.40	250.70	-90.35	-844.82	-738.10	3,973.73	3,673.29	300.43	13.227		
13,000.00	7,250.01	7,231.01	7,231.01	173.18	250.71	-90.36	-844.82	-738.10	4,069.66	3,769.45	300.21	13.556		
13,100.00	7,250.19	7,231.19	7,231.19	175.96	250.72	-90.37	-844.82	-738.10	4,165.79	3,865.78	300.01	13.886		
13,200.00	7,250.37	7,231.37	7,231.37	178.74	250.72	-90.38	-844.82	-738.10	4,262.09	3,962.28	299.81	14.216		
13,300.00	7,250.56	7,231.56	7,231.56	181.52	250.73	-90.39	-844.82	-738.10	4,358.56	4,058.93	299.63	14.546		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH)													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,400.00	7,250.74	7,231.74	7,231.74	184.31	250.74	-90.40	-844.82	-738.10	4,455.19	4,155.73	299.46	14.877		
13,500.00	7,250.92	7,231.92	7,231.92	187.09	250.74	-90.41	-844.82	-738.10	4,551.96	4,252.67	299.30	15.209		
13,600.00	7,251.10	7,232.10	7,232.10	189.88	250.75	-90.42	-844.82	-738.10	4,648.87	4,349.72	299.15	15.540		
13,700.00	7,251.29	7,232.29	7,232.29	192.67	250.76	-90.42	-844.82	-738.10	4,745.91	4,446.90	299.00	15.872		
13,800.00	7,251.47	7,232.47	7,232.47	195.47	250.76	-90.43	-844.82	-738.10	4,843.07	4,544.19	298.87	16.204		
13,900.00	7,251.65	7,232.65	7,232.65	198.26	250.77	-90.44	-844.82	-738.10	4,940.34	4,641.59	298.75	16.537		
14,000.00	7,251.83	7,232.83	7,232.83	201.05	250.77	-90.45	-844.82	-738.10	5,037.71	4,739.08	298.63	16.869		
14,100.00	7,252.01	7,233.01	7,233.01	203.85	250.78	-90.46	-844.82	-738.10	5,135.19	4,836.67	298.52	17.202		
14,200.00	7,252.20	7,233.20	7,233.20	206.65	250.79	-90.47	-844.82	-738.10	5,232.77	4,934.34	298.42	17.535		
14,300.00	7,252.38	7,233.38	7,233.38	209.45	250.79	-90.48	-844.82	-738.10	5,330.43	5,032.10	298.33	17.868		
14,400.00	7,252.56	7,233.56	7,233.56	212.25	250.80	-90.49	-844.82	-738.10	5,428.18	5,129.94	298.24	18.201		
14,500.00	7,252.74	7,233.74	7,233.74	215.05	250.81	-90.50	-844.82	-738.10	5,526.01	5,227.85	298.16	18.534		
14,600.00	7,252.93	7,233.93	7,233.93	217.86	250.81	-90.51	-844.82	-738.10	5,623.91	5,325.83	298.08	18.867		
14,700.00	7,253.11	7,234.11	7,234.11	220.66	250.82	-90.52	-844.82	-738.10	5,721.89	5,423.88	298.02	19.200		
14,800.00	7,253.29	7,234.29	7,234.29	223.47	250.83	-90.53	-844.82	-738.10	5,819.94	5,521.99	297.95	19.533		
14,900.00	7,253.47	7,234.47	7,234.47	226.27	250.83	-90.53	-844.82	-738.10	5,918.05	5,620.16	297.89	19.866		
15,000.00	7,253.66	7,234.66	7,234.66	229.08	250.84	-90.54	-844.82	-738.10	6,016.22	5,718.39	297.84	20.200		
15,100.00	7,253.84	7,234.84	7,234.84	231.89	250.84	-90.55	-844.82	-738.10	6,114.46	5,816.67	297.79	20.533		
15,200.00	7,254.02	7,235.02	7,235.02	234.70	250.85	-90.56	-844.82	-738.10	6,212.75	5,915.00	297.75	20.866		
15,300.00	7,254.20	7,235.20	7,235.20	237.51	250.86	-90.57	-844.82	-738.10	6,311.09	6,013.38	297.71	21.199		
15,400.00	7,254.39	7,235.39	7,235.39	240.32	250.86	-90.58	-844.82	-738.10	6,409.49	6,111.81	297.67	21.532		
15,500.00	7,254.57	7,235.57	7,235.57	243.13	250.87	-90.59	-844.82	-738.10	6,507.93	6,210.29	297.64	21.865		
15,600.00	7,254.75	7,235.75	7,235.75	245.94	250.88	-90.60	-844.82	-738.10	6,606.42	6,308.81	297.61	22.198		
15,700.00	7,254.93	7,235.93	7,235.93	248.76	250.88	-90.61	-844.82	-738.10	6,704.96	6,407.36	297.59	22.531		
15,800.00	7,255.12	7,236.12	7,236.12	251.57	250.89	-90.62	-844.82	-738.10	6,803.53	6,505.96	297.57	22.864		
15,900.00	7,255.30	7,236.30	7,236.30	254.39	250.90	-90.63	-844.82	-738.10	6,902.15	6,604.60	297.56	23.196		
16,000.00	7,255.48	7,236.48	7,236.48	257.20	250.90	-90.64	-844.82	-738.10	7,000.81	6,703.27	297.54	23.529		
16,100.00	7,255.66	7,236.66	7,236.66	260.02	250.91	-90.65	-844.82	-738.10	7,099.51	6,801.97	297.53	23.861		
16,200.00	7,255.85	7,236.85	7,236.85	262.84	250.91	-90.65	-844.82	-738.10	7,198.24	6,900.71	297.53	24.193		
16,300.00	7,256.03	7,237.03	7,237.03	265.65	250.92	-90.66	-844.82	-738.10	7,297.00	6,999.48	297.53	24.526		
16,400.00	7,256.21	7,237.21	7,237.21	268.47	250.93	-90.67	-844.82	-738.10	7,395.80	7,098.28	297.53	24.858		
16,500.00	7,256.39	7,237.39	7,237.39	271.29	250.93	-90.68	-844.82	-738.10	7,494.63	7,197.10	297.53	25.189		
16,600.00	7,256.58	7,237.58	7,237.58	274.11	250.94	-90.69	-844.82	-738.10	7,593.50	7,295.96	297.54	25.521		
16,700.00	7,256.76	7,237.76	7,237.76	276.93	250.95	-90.70	-844.82	-738.10	7,692.39	7,394.84	297.55	25.853		
16,800.00	7,256.94	7,237.94	7,237.94	279.75	250.95	-90.71	-844.82	-738.10	7,791.31	7,493.75	297.56	26.184		
16,900.00	7,257.12	7,238.12	7,238.12	282.57	250.96	-90.72	-844.82	-738.10	7,890.25	7,592.68	297.57	26.515		
17,000.00	7,257.30	7,238.30	7,238.30	285.40	250.97	-90.73	-844.82	-738.10	7,989.23	7,691.64	297.59	26.847		
17,100.00	7,257.49	7,238.49	7,238.49	288.22	250.97	-90.74	-844.82	-738.10	8,088.22	7,790.62	297.61	27.177		
17,200.00	7,257.67	7,238.67	7,238.67	291.04	250.98	-90.75	-844.82	-738.10	8,187.25	7,889.62	297.63	27.508		
17,300.00	7,257.85	7,238.85	7,238.85	293.87	250.98	-90.76	-844.82	-738.10	8,286.29	7,988.64	297.65	27.839		
17,400.00	7,258.03	7,239.03	7,239.03	296.69	250.99	-90.77	-844.82	-738.10	8,385.36	8,087.68	297.68	28.169		
17,500.00	7,258.22	7,239.22	7,239.22	299.51	251.00	-90.77	-844.82	-738.10	8,484.45	8,186.74	297.71	28.499		
17,600.00	7,258.40	7,239.40	7,239.40	302.34	251.00	-90.78	-844.82	-738.10	8,583.56	8,285.82	297.74	28.829		
17,700.00	7,258.58	7,239.58	7,239.58	305.16	251.01	-90.79	-844.82	-738.10	8,682.70	8,384.92	297.77	29.159		
17,800.00	7,258.76	7,239.76	7,239.76	307.99	251.02	-90.80	-844.82	-738.10	8,781.85	8,484.04	297.81	29.488		
17,900.00	7,258.95	7,239.95	7,239.95	310.82	251.02	-90.81	-844.82	-738.10	8,881.02	8,583.17	297.84	29.818		
18,000.00	7,259.13	7,240.13	7,240.13	313.64	251.03	-90.82	-844.82	-738.10	8,980.21	8,682.32	297.88	30.147		
18,100.00	7,259.31	7,240.31	7,240.31	316.47	251.04	-90.83	-844.82	-738.10	9,079.41	8,781.49	297.92	30.476		
18,200.00	7,259.49	7,240.49	7,240.49	319.30	251.04	-90.84	-844.82	-738.10	9,178.64	8,880.67	297.97	30.804		
18,300.00	7,259.68	7,240.68	7,240.68	322.12	251.05	-90.85	-844.82	-738.10	9,277.88	8,979.87	298.01	31.133		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,240.86	7,240.86	324.95	251.05	-90.86	-844.82	-738.10	9,377.14	9,079.08	298.06	31.461		
18,500.00	7,260.04	7,241.04	7,241.04	327.78	251.06	-90.87	-844.82	-738.10	9,476.41	9,178.30	298.11	31.789		
18,600.00	7,260.22	7,241.22	7,241.22	330.61	251.07	-90.88	-844.82	-738.10	9,575.70	9,277.54	298.16	32.116		
18,700.00	7,260.41	7,241.41	7,241.41	333.44	251.07	-90.88	-844.82	-738.10	9,675.00	9,376.79	298.21	32.444		
18,800.00	7,260.59	7,241.59	7,241.59	336.27	251.08	-90.89	-844.82	-738.10	9,774.31	9,476.05	298.26	32.771		
18,900.00	7,260.77	7,241.77	7,241.77	339.10	251.09	-90.90	-844.82	-738.10	9,873.64	9,575.33	298.31	33.098		
19,000.00	7,260.95	7,241.95	7,241.95	341.93	251.09	-90.91	-844.82	-738.10	9,972.99	9,674.62	298.37	33.425		
19,025.91	7,261.00	7,242.00	7,242.00	342.66	251.09	-90.91	-844.82	-738.10	9,998.73	9,700.35	298.39	33.509		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #2(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-69.81	152.27	-414.08	441.52					
100.00	100.00	80.66	80.66	3.28	3.28	-69.75	152.75	-414.13	441.41	434.84	6.57	67.189		
200.00	200.00	181.26	181.25	3.34	3.33	-69.60	154.03	-414.24	441.95	435.29	6.67	66.294		
300.00	299.98	281.57	281.55	3.44	3.43	-160.27	154.91	-414.27	443.93	437.06	6.87	64.603		
400.00	399.84	380.81	380.79	3.60	3.57	-160.38	155.65	-414.39	449.23	442.06	7.18	62.611		
500.00	499.45	481.14	481.12	3.81	3.77	-160.60	156.43	-414.54	457.86	450.29	7.57	60.485		
600.00	598.70	580.19	580.17	4.05	3.99	-160.95	157.07	-414.61	469.65	461.61	8.04	58.418		
700.00	697.47	677.78	677.76	4.34	4.25	-161.39	157.61	-414.86	484.90	476.33	8.57	56.574		
800.00	795.62	776.07	776.04	4.66	4.52	-161.92	158.22	-415.25	503.61	494.45	9.16	54.982		
849.22	843.68	823.71	823.69	4.84	4.67	-162.20	158.46	-415.42	514.01	504.54	9.47	54.292		
900.00	893.16	872.01	871.99	5.02	4.82	-162.55	158.69	-415.70	525.25	515.46	9.79	53.669		
1,000.00	990.60	968.91	968.88	5.41	5.13	-163.23	159.14	-416.45	547.63	537.19	10.44	52.438		
1,100.00	1,088.05	1,067.29	1,067.25	5.83	5.46	-163.87	159.59	-417.12	569.99	558.85	11.14	51.179		
1,200.00	1,185.49	1,162.93	1,162.89	6.26	5.79	-164.45	159.90	-417.74	592.35	580.50	11.85	50.005		
1,300.00	1,282.93	1,260.56	1,260.52	6.70	6.14	-165.00	160.27	-418.68	615.07	602.48	12.58	48.876		
1,400.00	1,380.37	1,358.32	1,358.27	7.15	6.50	-165.54	160.31	-419.45	637.58	624.24	13.34	47.791		
1,500.00	1,477.82	1,454.86	1,454.81	7.62	6.86	-166.01	160.64	-420.23	660.24	646.13	14.11	46.801		
1,600.00	1,575.26	1,554.63	1,554.57	8.09	7.24	-166.48	160.78	-421.04	682.90	668.00	14.90	45.824		
1,700.00	1,672.70	1,654.83	1,654.78	8.57	7.62	-166.92	160.82	-421.30	705.05	689.34	15.71	44.874		
1,800.00	1,770.15	1,752.93	1,752.88	9.05	8.00	-167.34	160.68	-421.41	727.06	710.54	16.52	44.015		
1,900.00	1,867.59	1,850.63	1,850.57	9.54	8.38	-167.73	160.48	-421.47	749.04	731.71	17.33	43.222		
2,000.00	1,965.03	1,947.50	1,947.44	10.03	8.76	-168.12	160.11	-421.57	771.05	752.91	18.14	42.496		
2,100.00	2,062.48	2,043.82	2,043.76	10.53	9.14	-168.49	159.56	-421.84	793.22	774.26	18.96	41.835		
2,200.00	2,159.92	2,140.49	2,140.42	11.03	9.53	-168.90	158.26	-422.37	815.54	795.76	19.79	41.220		
2,300.00	2,257.36	2,236.76	2,236.67	11.53	9.92	-169.33	156.37	-423.09	837.96	817.35	20.61	40.654		
2,400.00	2,354.81	2,331.98	2,331.86	12.03	10.31	-169.75	154.32	-424.04	860.64	839.20	21.44	40.148		
2,500.00	2,452.25	2,426.09	2,425.94	12.54	10.69	-170.15	152.27	-425.20	883.58	861.32	22.26	39.698		
2,600.00	2,549.69	2,517.84	2,517.66	13.04	11.07	-170.52	150.35	-426.86	907.11	884.05	23.06	39.329		
2,700.00	2,647.13	2,614.28	2,614.06	13.55	11.46	-170.88	148.61	-428.81	930.94	907.04	23.91	38.942		
2,800.00	2,744.58	2,710.01	2,709.76	14.06	11.86	-171.20	147.13	-430.80	954.90	930.16	24.74	38.591		
2,900.00	2,842.02	2,806.86	2,806.58	14.57	12.26	-171.51	145.73	-432.87	978.96	953.37	25.59	38.252		
3,000.00	2,939.46	2,905.77	2,905.46	15.09	12.66	-171.80	144.35	-434.87	1,002.95	976.49	26.46	37.908		
3,100.00	3,036.91	3,004.48	3,004.14	15.60	13.07	-172.06	143.23	-436.66	1,026.78	999.46	27.32	37.580		
3,200.00	3,134.35	3,104.31	3,103.96	16.11	13.49	-172.29	142.40	-438.20	1,050.42	1,022.22	28.20	37.252		
3,300.00	3,231.79	3,205.74	3,205.38	16.63	13.91	-172.52	141.50	-439.43	1,073.75	1,044.66	29.09	36.917		
3,400.00	3,329.24	3,298.07	3,297.70	17.14	14.29	-172.71	140.75	-440.58	1,097.14	1,067.23	29.91	36.680		
3,500.00	3,426.68	3,400.35	3,399.97	17.66	14.72	-172.90	140.20	-441.80	1,120.51	1,089.71	30.81	36.371		
3,600.00	3,524.12	3,499.15	3,498.76	18.18	15.13	-173.07	139.71	-442.66	1,143.60	1,111.92	31.68	36.097		
3,700.00	3,621.57	3,588.67	3,588.28	18.69	15.51	-173.22	139.36	-443.66	1,166.95	1,134.46	32.49	35.917		
3,800.00	3,719.01	3,687.51	3,687.11	19.21	15.92	-173.36	139.36	-445.03	1,190.61	1,157.25	33.37	35.682		
3,900.00	3,816.45	3,786.62	3,786.21	19.73	16.34	-173.47	139.72	-446.15	1,214.07	1,179.83	34.25	35.451		
4,000.00	3,913.90	3,884.56	3,884.15	20.25	16.75	-173.57	140.41	-447.10	1,237.43	1,202.32	35.12	35.236		
4,100.00	4,011.34	3,978.13	3,977.70	20.77	17.14	-173.64	141.25	-448.08	1,260.89	1,224.93	35.96	35.064		
4,200.00	4,108.78	4,072.72	4,072.29	21.29	17.54	-173.73	141.93	-449.37	1,284.63	1,247.82	36.81	34.900		
4,300.00	4,206.22	4,173.75	4,173.30	21.81	17.97	-173.81	142.70	-450.73	1,308.36	1,270.66	37.71	34.699		
4,400.00	4,303.67	4,275.60	4,275.14	22.33	18.40	-173.91	143.07	-451.74	1,331.71	1,293.10	38.61	34.491		
4,500.00	4,401.11	4,371.02	4,370.56	22.85	18.80	-174.00	143.31	-452.56	1,354.91	1,315.44	39.47	34.329		
4,600.00	4,498.55	4,468.85	4,468.38	23.37	19.21	-174.10	143.50	-453.55	1,378.27	1,337.92	40.34	34.163		
4,700.00	4,596.00	4,565.10	4,564.63	23.89	19.62	-174.19	143.69	-454.45	1,401.55	1,360.34	41.21	34.011		
4,800.00	4,693.44	4,662.25	4,661.77	24.41	20.03	-174.30	143.20	-455.54	1,424.94	1,382.86	42.08	33.862		
4,900.00	4,790.88	4,758.34	4,757.86	24.93	20.43	-174.42	142.54	-456.61	1,448.31	1,405.37	42.94	33.725		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - JOHNSON #2(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,854.05	4,853.56	25.46	20.84	-174.55	141.65	-457.83	1,471.83	1,428.02	43.81	33.598		
5,100.00	4,985.77	4,948.99	4,948.48	25.98	21.24	-174.67	140.57	-459.14	1,495.42	1,450.76	44.66	33.482		
5,200.00	5,083.21	5,046.90	5,046.37	26.50	21.66	-174.81	139.37	-460.66	1,519.18	1,473.64	45.54	33.358		
5,300.00	5,180.66	5,146.86	5,146.31	27.02	22.08	-174.94	138.09	-461.94	1,542.69	1,496.25	46.44	33.220		
5,400.00	5,278.10	5,250.52	5,249.95	27.55	22.52	-175.09	136.23	-463.21	1,566.10	1,518.74	47.36	33.067		
5,500.00	5,375.54	5,356.13	5,355.55	28.07	22.96	-175.22	134.71	-463.73	1,588.83	1,540.53	48.30	32.896		
5,582.90	5,456.32	5,437.34	5,436.75	28.50	23.31	-175.31	133.78	-463.94	1,607.51	1,558.48	49.03	32.788		
5,600.00	5,473.00	5,453.76	5,453.18	28.59	23.38	-175.34	133.59	-463.98	1,611.32	1,562.15	49.18	32.767		
5,700.00	5,570.93	5,554.51	5,553.92	29.10	23.80	-175.48	132.27	-464.26	1,631.59	1,581.52	50.07	32.587		
5,800.00	5,669.52	5,656.86	5,656.25	29.57	24.24	-175.61	130.64	-464.25	1,648.13	1,597.17	50.96	32.340		
5,900.00	5,768.62	5,754.30	5,753.68	30.03	24.65	-175.71	129.29	-464.15	1,661.18	1,609.37	51.81	32.064		
6,000.00	5,868.13	5,858.84	5,858.21	30.45	25.09	-175.80	127.68	-464.13	1,670.84	1,618.15	52.70	31.707		
6,100.00	5,967.93	5,961.28	5,960.63	30.86	25.52	-175.87	126.30	-463.62	1,676.56	1,623.01	53.56	31.305		
6,200.00	6,067.88	6,066.11	6,065.46	31.24	25.97	-175.91	125.46	-463.03	1,678.80	1,624.38	54.42	30.849		
6,232.12	6,100.00	6,101.61	6,100.96	31.36	26.12	-85.21	125.16	-462.71	1,678.67	1,623.96	54.70	30.686		
6,300.00	6,167.88	6,164.82	6,164.16	31.61	26.38	-85.23	124.55	-462.17	1,678.04	1,622.83	55.21	30.391		
6,400.00	6,267.88	6,267.03	6,266.36	31.97	26.81	-85.27	123.41	-461.49	1,677.28	1,621.25	56.03	29.934		
6,500.00	6,367.88	6,365.80	6,365.12	32.34	27.23	-85.30	122.41	-460.61	1,676.32	1,619.49	56.83	29.498		
6,600.00	6,467.88	6,464.46	6,463.78	32.70	27.65	-85.32	121.73	-459.91	1,675.55	1,617.92	57.62	29.077		
6,700.00	6,567.88	6,559.54	6,558.86	33.07	28.05	-85.34	121.01	-459.31	1,674.86	1,616.47	58.40	28.681		
6,736.50	6,604.38	6,593.12	6,592.44	33.21	28.19	-85.35	120.72	-459.20	1,674.72	1,616.05	58.67	28.544		
6,750.00	6,617.88	6,606.00	6,605.32	33.25	28.25	1.74	120.61	-459.18	1,674.54	1,615.77	58.77	28.491		
6,800.00	6,667.77	6,655.72	6,655.03	33.43	28.46	1.73	120.12	-459.09	1,671.39	1,612.24	59.16	28.254		
6,850.00	6,717.28	6,705.05	6,704.35	33.60	28.67	1.74	119.53	-459.01	1,664.34	1,604.82	59.52	27.962		
6,900.00	6,766.09	6,751.96	6,751.27	33.79	28.87	1.77	119.05	-458.97	1,653.47	1,593.61	59.86	27.624		
6,950.00	6,813.90	6,798.10	6,797.40	33.99	29.06	1.81	118.75	-458.95	1,638.85	1,578.68	60.17	27.236		
7,000.00	6,860.42	6,841.76	6,841.06	34.20	29.25	1.88	118.58	-458.99	1,620.59	1,560.14	60.46	26.807		
7,050.00	6,905.36	6,883.96	6,883.26	34.42	29.43	1.98	118.48	-459.10	1,598.82	1,538.11	60.72	26.333		
7,100.00	6,948.45	6,925.73	6,925.03	34.67	29.61	2.10	118.42	-459.26	1,573.66	1,512.69	60.96	25.813		
7,150.00	6,989.41	6,966.25	6,965.55	34.94	29.78	2.25	118.39	-459.44	1,545.20	1,484.01	61.19	25.252		
7,200.00	7,028.00	7,004.69	7,004.00	35.24	29.94	2.45	118.39	-459.61	1,513.62	1,452.22	61.40	24.653		
7,250.00	7,063.98	7,042.11	7,041.41	35.56	30.10	2.71	118.35	-459.77	1,479.09	1,417.50	61.59	24.015		
7,300.00	7,097.13	7,076.54	7,075.84	35.92	30.25	3.03	118.28	-459.90	1,441.80	1,380.04	61.76	23.345		
7,350.00	7,127.23	7,107.77	7,107.08	36.32	30.38	3.45	118.17	-459.99	1,402.00	1,340.10	61.90	22.648		
7,400.00	7,154.12	7,131.84	7,131.14	36.75	30.48	4.00	118.10	-460.09	1,359.98	1,297.99	61.99	21.937		
7,450.00	7,177.61	7,153.75	7,153.05	37.22	30.58	4.76	118.06	-460.20	1,316.01	1,253.94	62.07	21.201		
7,500.00	7,197.57	7,172.50	7,171.80	37.73	30.66	5.87	118.04	-460.32	1,270.34	1,208.20	62.14	20.445		
7,550.00	7,213.88	7,187.96	7,187.26	38.28	30.72	7.58	118.04	-460.44	1,223.24	1,161.06	62.18	19.672		
7,600.00	7,226.42	7,200.01	7,199.31	38.87	30.77	10.51	118.04	-460.53	1,175.00	1,112.78	62.22	18.886		
7,650.00	7,235.13	7,209.15	7,208.45	39.48	30.81	16.57	118.05	-460.61	1,125.90	1,063.65	62.24	18.089		
7,700.00	7,239.95	7,214.40	7,213.70	40.12	30.84	34.22	118.06	-460.66	1,076.23	1,013.98	62.26	17.286		
7,735.44	7,241.00	7,215.75	7,215.05	40.59	30.84	77.50	118.06	-460.67	1,040.86	978.60	62.26	16.717		
7,800.00	7,241.11	7,216.41	7,215.71	41.47	30.84	78.25	118.06	-460.67	976.38	914.11	62.27	15.680		
7,900.00	7,241.27	7,217.44	7,216.74	42.96	30.85	79.43	118.06	-460.68	876.52	814.24	62.28	14.073		
8,000.00	7,241.44	7,218.46	7,217.76	44.59	30.85	80.61	118.06	-460.69	776.70	714.39	62.31	12.466		
8,100.00	7,241.61	7,219.49	7,218.79	46.34	30.86	81.80	118.06	-460.70	676.92	614.58	62.34	10.859		
8,200.00	7,241.77	7,220.52	7,219.81	48.20	30.86	83.00	118.06	-460.71	577.23	514.83	62.40	9.251		
8,300.00	7,241.94	7,221.54	7,220.84	50.16	30.87	84.20	118.06	-460.72	477.65	415.16	62.50	7.643		
8,400.00	7,242.11	7,222.57	7,221.86	52.20	30.87	85.41	118.06	-460.73	378.30	315.61	62.69	6.034		
8,500.00	7,242.27	7,223.59	7,222.89	54.31	30.87	86.63	118.06	-460.74	279.41	216.25	63.16	4.424		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - JOHNSON #2(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
							+N/-S (ft)	+E/-W (ft)									
8,600.00	7,242.44	7,224.62	7,223.92	56.49	30.88	87.84	118.06	-460.75	181.74	117.13	64.60	2.813	0.528 Level 1, CC, ES, SF				
8,700.00	7,242.60	7,225.64	7,224.94	58.73	30.88	89.06	118.07	-460.75	89.34	17.30	72.04	1.240 Level 2					
8,775.24	7,242.73	7,226.41	7,225.71	60.46	30.89	89.98	118.07	-460.76	48.18	-43.13	91.32	0.622 Level 1					
8,800.00	7,242.77	7,226.67	7,225.97	61.03	30.89	90.28	118.07	-460.76	54.17	-32.92	87.09	0.622 Level 1					
8,900.00	7,242.94	7,227.69	7,226.99	63.37	30.89	91.50	118.07	-460.77	133.73	65.57	68.16	1.962					
9,000.00	7,243.10	7,228.72	7,228.02	65.75	30.90	92.72	118.07	-460.78	229.85	165.18	64.67	3.554					
9,100.00	7,243.27	7,229.74	7,229.04	68.18	30.90	93.93	118.07	-460.79	328.30	264.65	63.65	5.158					
9,200.00	7,243.44	7,230.77	7,230.07	70.63	30.90	95.14	118.07	-460.80	427.46	364.23	63.23	6.761					
9,300.00	7,243.60	7,231.79	7,231.09	73.12	30.91	96.35	118.07	-460.81	526.94	463.92	63.02	8.362					
9,400.00	7,243.77	7,232.82	7,232.11	75.63	30.91	97.55	118.07	-460.82	626.58	563.68	62.90	9.962					
9,500.00	7,243.94	7,233.84	7,233.14	78.17	30.92	98.74	118.07	-460.82	726.32	663.49	62.83	11.560					
9,600.00	7,244.10	7,234.87	7,234.16	80.73	30.92	99.93	118.07	-460.83	826.12	763.33	62.79	13.156					
9,700.00	7,244.27	7,235.89	7,235.19	83.31	30.93	101.10	118.07	-460.84	925.97	863.19	62.77	14.751					
9,800.00	7,244.44	7,236.91	7,236.21	85.91	30.93	102.27	118.07	-460.85	1,025.84	963.07	62.76	16.345					
9,900.00	7,244.60	7,237.94	7,237.24	88.53	30.94	103.43	118.08	-460.86	1,125.73	1,062.97	62.76	17.936					
10,000.00	7,244.77	7,238.96	7,238.26	91.16	30.94	104.58	118.08	-460.87	1,225.64	1,162.87	62.77	19.526					
10,100.00	7,244.94	7,239.99	7,239.29	93.81	30.94	105.71	118.08	-460.88	1,325.57	1,262.79	62.78	21.114					
10,200.00	7,245.10	7,241.01	7,240.31	96.46	30.95	106.83	118.08	-460.89	1,425.50	1,362.70	62.80	22.701					
10,300.00	7,245.27	7,242.04	7,241.33	99.14	30.95	107.94	118.08	-460.89	1,525.44	1,462.63	62.81	24.285					
10,400.00	7,245.43	7,243.06	7,242.36	101.82	30.96	109.04	118.08	-460.90	1,625.39	1,562.55	62.84	25.867					
10,500.00	7,245.60	7,244.08	7,243.38	104.51	30.96	110.12	118.08	-460.91	1,725.34	1,662.48	62.86	27.447					
10,600.00	7,245.77	7,245.11	7,244.41	107.21	30.97	111.18	118.08	-460.92	1,825.30	1,762.41	62.89	29.025					
10,700.00	7,245.93	7,246.13	7,245.43	109.92	30.97	112.23	118.08	-460.93	1,925.26	1,862.35	62.91	30.601					
10,800.00	7,246.10	7,247.16	7,246.45	112.64	30.97	113.27	118.08	-460.94	2,025.23	1,962.28	62.95	32.174					
10,900.00	7,246.27	7,248.18	7,247.48	115.37	30.98	114.29	118.08	-460.95	2,125.19	2,062.22	62.98	33.745					
11,000.00	7,246.43	7,249.20	7,248.50	118.10	30.98	115.29	118.08	-460.96	2,225.16	2,162.15	63.01	35.314					
11,100.00	7,246.60	7,250.23	7,249.52	120.84	30.99	116.28	118.09	-460.96	2,325.14	2,262.09	63.05	36.880					
11,200.00	7,246.77	7,251.25	7,250.55	123.58	30.99	117.25	118.09	-460.97	2,425.11	2,362.03	63.08	38.443					
11,300.00	7,246.93	7,252.27	7,251.57	126.34	31.00	118.20	118.09	-460.98	2,525.09	2,461.96	63.12	40.003					
11,340.34	7,247.00	7,252.69	7,251.98	127.45	31.00	118.58	118.09	-460.99	2,565.42	2,502.28	63.14	40.632					
11,400.00	7,247.10	7,253.30	7,252.59	129.09	31.00	-167.77	118.09	-460.99	2,625.07	2,561.91	63.16	41.561					
11,500.00	7,247.27	7,254.33	7,253.62	131.84	31.01	-105.85	118.09	-461.00	2,725.04	2,661.83	63.21	43.112					
11,586.15	7,247.43	7,255.21	7,254.51	134.20	31.01	-99.10	118.09	-461.01	2,811.07	2,747.82	63.25	44.441					
11,600.00	7,247.45	7,255.36	7,254.65	134.57	31.01	-99.14	118.09	-461.01	2,824.89	2,761.63	63.26	44.655					
11,700.00	7,247.64	7,256.39	7,255.69	137.31	31.01	-99.46	118.09	-461.02	2,924.69	2,861.37	63.32	46.192					
11,800.00	7,247.82	7,257.42	7,256.72	140.05	31.02	-99.77	118.09	-461.03	3,024.49	2,961.12	63.37	47.726					
11,900.00	7,248.00	7,258.46	7,257.75	142.79	31.02	-100.09	118.09	-461.03	3,124.31	3,060.88	63.43	49.257					
12,000.00	7,248.18	7,259.49	7,258.78	145.53	31.03	-100.40	118.09	-461.04	3,224.14	3,160.65	63.49	50.784					
12,100.00	7,248.37	7,260.52	7,259.82	148.28	31.03	-100.72	118.09	-461.05	3,323.98	3,260.44	63.55	52.309					
12,200.00	7,248.55	7,261.55	7,260.85	151.04	31.04	-101.03	118.09	-461.06	3,423.83	3,360.22	63.60	53.830					
12,300.00	7,248.73	7,262.58	7,261.88	153.80	31.04	-101.34	118.10	-461.07	3,523.69	3,460.02	63.66	55.347					
12,400.00	7,248.91	7,263.62	7,262.91	156.56	31.04	-101.65	118.10	-461.08	3,623.55	3,559.83	63.73	56.862					
12,500.00	7,249.10	7,264.65	7,263.95	159.32	31.05	-101.96	118.10	-461.09	3,723.42	3,659.63	63.79	58.373					
12,600.00	7,249.28	7,265.68	7,264.98	162.09	31.05	-102.27	118.10	-461.10	3,823.30	3,759.45	63.85	59.880					
12,700.00	7,249.46	7,266.71	7,266.01	164.86	31.06	-102.58	118.10	-461.11	3,923.18	3,859.27	63.91	61.383					
12,800.00	7,249.64	7,267.74	7,267.04	167.63	31.06	-102.89	118.10	-461.11	4,023.07	3,959.10	63.98	62.883					
12,900.00	7,249.83	7,268.78	7,268.07	170.40	31.07	-103.20	118.10	-461.12	4,122.97	4,058.93	64.04	64.379					
13,000.00	7,250.01	7,269.81	7,269.10	173.18	31.07	-103.51	118.10	-461.13	4,222.87	4,158.76	64.11	65.872					
13,100.00	7,250.19	7,270.84	7,270.14	175.96	31.08	-103.81	118.10	-461.14	4,322.77	4,258.60	64.17	67.360					
13,200.00	7,250.37	7,271.87	7,271.17	178.74	31.08	-104.12	118.10	-461.15	4,422.68	4,358.44	64.24	68.845					
13,300.00	7,250.56	7,272.90	7,272.20	181.52	31.08	-104.42	118.10	-461.16	4,522.59	4,458.28	64.31	70.326					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - JOHNSON #2(PA) - OH - OH														Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,400.00	7,250.74	7,273.93	7,273.23	184.31	31.09	-104.73	118.11	-461.17	4,622.50	4,558.13	64.38	71.803			
13,500.00	7,250.92	7,274.97	7,274.26	187.09	31.09	-105.03	118.11	-461.18	4,722.42	4,657.98	64.45	73.275			
13,600.00	7,251.10	13,600.00	7,275.29	189.88	58.12	-105.33	118.11	-461.18	4,822.35	4,730.80	91.54	52.679			
13,700.00	7,251.29	7,277.03	7,276.32	192.67	31.10	-105.63	118.11	-461.19	4,922.27	4,857.68	64.59	76.209			
13,800.00	7,251.47	7,278.06	7,277.36	195.47	31.11	-105.93	118.11	-461.20	5,022.20	4,957.53	64.66	77.669			
13,900.00	7,251.65	7,279.09	7,278.39	198.26	31.11	-106.23	118.11	-461.21	5,122.13	5,057.39	64.73	79.125			
14,000.00	7,251.83	7,280.12	7,279.42	201.05	31.12	-106.53	118.11	-461.22	5,222.06	5,157.25	64.81	80.577			
14,100.00	7,252.01	7,281.15	7,280.45	203.85	31.12	-106.83	118.11	-461.23	5,321.99	5,257.11	64.88	82.024			
14,200.00	7,252.20	7,282.18	7,281.48	206.65	31.12	-107.12	118.11	-461.24	5,421.93	5,356.97	64.96	83.467			
14,300.00	7,252.38	7,283.21	7,282.51	209.45	31.13	-107.42	118.11	-461.25	5,521.87	5,456.83	65.04	84.906			
14,400.00	7,252.56	7,284.24	7,283.54	212.25	31.13	-107.71	118.11	-461.25	5,621.81	5,556.70	65.11	86.340			
14,500.00	7,252.74	7,285.28	7,284.57	215.05	31.14	-108.01	118.11	-461.26	5,721.75	5,656.56	65.19	87.770			
14,600.00	7,252.93	7,286.31	7,285.60	217.86	31.14	-108.30	118.12	-461.27	5,821.70	5,756.43	65.27	89.195			
14,700.00	7,253.11	7,287.34	7,286.63	220.66	31.15	-108.59	118.12	-461.28	5,921.65	5,856.30	65.35	90.616			
14,800.00	7,253.29	7,288.37	7,287.66	223.47	31.15	-108.88	118.12	-461.29	6,021.59	5,956.16	65.43	92.032			
14,900.00	7,253.47	7,289.40	7,288.69	226.27	31.15	-109.17	118.12	-461.30	6,121.54	6,056.03	65.51	93.444			
15,000.00	7,253.66	7,290.43	7,289.72	229.08	31.16	-109.46	118.12	-461.31	6,221.49	6,155.90	65.59	94.850			
15,100.00	7,253.84	7,291.46	7,290.75	231.89	31.16	-109.75	118.12	-461.32	6,321.45	6,255.77	65.68	96.253			
15,200.00	7,254.02	7,292.49	7,291.78	234.70	31.17	-110.03	118.12	-461.33	6,421.40	6,355.64	65.76	97.650			
15,300.00	7,254.20	7,293.52	7,292.81	237.51	31.17	-110.32	118.12	-461.33	6,521.35	6,455.51	65.84	99.043			
15,400.00	7,254.39	7,294.55	7,293.84	240.32	31.18	-110.60	118.12	-461.34	6,621.31	6,555.38	65.93	100.430			
15,500.00	7,254.57	7,295.58	7,294.87	243.13	31.18	-110.89	118.12	-461.35	6,721.27	6,655.25	66.02	101.813			
15,600.00	7,254.75	7,296.61	7,295.90	245.94	31.19	-111.17	118.12	-461.36	6,821.23	6,755.12	66.10	103.192			
15,700.00	7,254.93	7,297.64	7,296.93	248.76	31.19	-111.45	118.12	-461.37	6,921.19	6,855.00	66.19	104.565			
15,800.00	7,255.12	7,298.67	7,297.96	251.57	31.19	-111.73	118.13	-461.38	7,021.15	6,954.87	66.28	105.933			
15,900.00	7,255.30	7,299.70	7,298.99	254.39	31.20	-112.01	118.13	-461.39	7,121.11	7,054.74	66.37	107.297			
16,000.00	7,255.48	7,300.73	7,300.02	257.20	31.20	-112.29	118.13	-461.40	7,221.07	7,154.61	66.46	108.655			
16,100.00	7,255.66	7,301.76	7,301.05	260.02	31.21	-112.56	118.13	-461.40	7,321.03	7,254.48	66.55	110.009			
16,200.00	7,255.85	7,302.79	7,302.08	262.84	31.21	-112.84	118.13	-461.41	7,421.00	7,354.36	66.64	111.357			
16,300.00	7,256.03	7,303.82	7,303.11	265.65	31.22	-113.11	118.13	-461.42	7,520.96	7,454.23	66.73	112.701			
16,400.00	7,256.21	7,304.84	7,304.14	268.47	31.22	-113.39	118.13	-461.43	7,620.93	7,554.10	66.83	114.039			
16,500.00	7,256.39	7,305.87	7,305.17	271.29	31.22	-113.66	118.13	-461.44	7,720.89	7,653.97	66.92	115.373			
16,600.00	7,256.58	7,306.90	7,306.20	274.11	31.23	-113.93	118.13	-461.45	7,820.86	7,753.85	67.02	116.701			
16,700.00	7,256.76	7,307.93	7,307.23	276.93	31.23	-114.20	118.13	-461.46	7,920.83	7,853.72	67.11	118.024			
16,800.00	7,256.94	7,308.96	7,308.26	279.75	31.24	-114.47	118.13	-461.47	8,020.80	7,953.59	67.21	119.343			
16,900.00	7,257.12	7,309.99	7,309.29	282.57	31.24	-114.74	118.13	-461.47	8,120.77	8,053.46	67.31	120.656			
17,000.00	7,257.30	7,311.02	7,310.31	285.40	31.25	-115.00	118.14	-461.48	8,220.74	8,153.33	67.40	121.963			
17,100.00	7,257.49	7,312.05	7,311.34	288.22	31.25	-115.27	118.14	-461.49	8,320.71	8,253.21	67.50	123.266			
17,200.00	7,257.67	7,313.08	7,312.37	291.04	31.26	-115.53	118.14	-461.50	8,420.68	8,353.08	67.60	124.564			
17,300.00	7,257.85	7,314.11	7,313.40	293.87	31.26	-115.80	118.14	-461.51	8,520.65	8,452.95	67.70	125.856			
17,400.00	7,258.03	7,315.13	7,314.43	296.69	31.26	-116.06	118.14	-461.52	8,620.62	8,552.82	67.80	127.143			
17,500.00	7,258.22	7,316.16	7,315.46	299.51	31.27	-116.32	118.14	-461.53	8,720.59	8,652.69	67.90	128.425			
17,600.00	7,258.40	7,317.19	7,316.49	302.34	31.27	-116.58	118.14	-461.54	8,820.57	8,752.56	68.01	129.702			
17,700.00	7,258.58	7,318.22	7,317.51	305.16	31.28	-116.83	118.14	-461.54	8,920.54	8,852.43	68.11	130.974			
17,800.00	7,258.76	7,319.25	7,318.54	307.99	31.28	-117.09	118.14	-461.55	9,020.51	8,952.30	68.21	132.240			
17,900.00	7,258.95	7,320.28	7,319.57	310.82	31.29	-117.35	118.14	-461.56	9,120.49	9,052.17	68.32	133.501			
18,000.00	7,259.13	7,321.30	7,320.60	313.64	31.29	-117.60	118.14	-461.57	9,220.46	9,152.04	68.42	134.757			
18,100.00	7,259.31	7,322.33	7,321.63	316.47	31.30	-117.86	118.14	-461.58	9,320.44	9,251.91	68.53	136.008			
18,200.00	7,259.49	7,323.36	7,322.65	319.30	31.30	-118.11	118.15	-461.59	9,420.42	9,351.78	68.64	137.253			
18,300.00	7,259.68	7,324.39	7,323.68	322.12	31.30	-118.36	118.15	-461.60	9,520.39	9,451.65	68.74	138.494			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,325.42	7,324.71	324.95	31.31	-118.61	118.15	-461.61	9,620.37	9,551.52	68.85	139.729		
18,500.00	7,260.04	7,326.44	7,325.74	327.78	31.31	-118.86	118.15	-461.61	9,720.35	9,651.39	68.96	140.958		
18,600.00	7,260.22	7,327.47	7,326.77	330.61	31.32	-119.10	118.15	-461.62	9,820.32	9,751.25	69.07	142.183		
18,700.00	7,260.41	7,328.50	7,327.79	333.44	31.32	-119.35	118.15	-461.63	9,920.30	9,851.12	69.18	143.402		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - KRISTY #1(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
0.00	0.00	0.00	0.00	3.28	3.28	-118.74	-2,351.96	-4,288.11	4,890.79								
100.00	100.00	106.84	106.84	3.28	3.29	-118.74	-2,351.87	-4,287.90	4,890.59	4,884.01	6.57	744.062					
194.55	194.55	180.55	180.55	3.33	3.33	-118.74	-2,351.68	-4,287.85	4,890.41	4,883.75	6.66	734.290					
200.00	200.00	184.94	184.94	3.34	3.33	-118.74	-2,351.67	-4,287.86	4,890.41	4,883.74	6.67	733.461					
300.00	299.98	315.98	315.98	3.44	3.47	150.56	-2,350.80	-4,287.97	4,891.70	4,884.78	6.92	707.403					
400.00	399.84	417.80	417.79	3.60	3.64	150.55	-2,350.13	-4,287.50	4,895.53	4,888.29	7.24	676.367					
500.00	499.45	485.08	485.07	3.81	3.77	150.52	-2,349.98	-4,287.33	4,902.81	4,895.23	7.58	647.125					
600.00	598.70	586.18	586.17	4.05	4.00	150.49	-2,349.74	-4,287.54	4,913.50	4,905.44	8.05	610.067					
700.00	697.47	723.73	723.72	4.34	4.37	150.49	-2,348.66	-4,287.41	4,926.68	4,917.98	8.70	566.141					
800.00	795.62	818.76	818.74	4.66	4.65	150.44	-2,348.11	-4,286.80	4,942.54	4,933.24	9.30	531.540					
849.22	843.68	856.64	856.62	4.84	4.76	150.40	-2,348.01	-4,286.58	4,951.53	4,941.95	9.58	516.630					
900.00	893.16	895.61	895.59	5.02	4.88	150.45	-2,347.98	-4,286.41	4,961.30	4,951.42	9.88	501.987					
1,000.00	990.60	971.83	971.81	5.41	5.13	150.54	-2,347.99	-4,286.30	4,980.86	4,970.37	10.49	474.873					
1,100.00	1,088.05	1,060.27	1,060.25	5.83	5.43	150.66	-2,347.89	-4,286.59	5,000.78	4,989.62	11.16	448.009					
1,200.00	1,185.49	1,184.87	1,184.84	6.26	5.86	150.83	-2,347.24	-4,287.07	5,020.63	5,008.64	11.99	418.705					
1,300.00	1,282.93	1,280.28	1,280.26	6.70	6.20	150.96	-2,346.77	-4,287.00	5,040.08	5,027.34	12.74	395.621					
1,400.00	1,380.37	1,366.39	1,366.37	7.15	6.52	151.06	-2,346.78	-4,286.88	5,059.74	5,046.27	13.47	375.618					
1,500.00	1,477.82	1,445.87	1,445.84	7.62	6.81	151.16	-2,347.00	-4,286.90	5,079.68	5,065.49	14.19	358.029					
1,600.00	1,575.26	1,524.60	1,524.58	8.09	7.11	151.26	-2,347.28	-4,287.25	5,100.04	5,085.12	14.91	342.006					
1,700.00	1,672.70	1,610.66	1,610.63	8.57	7.43	151.36	-2,347.65	-4,287.86	5,120.68	5,105.00	15.67	326.692					
1,800.00	1,770.15	1,695.05	1,695.02	9.05	7.76	151.46	-2,348.23	-4,288.57	5,141.57	5,125.13	16.44	312.788					
1,900.00	1,867.59	1,780.96	1,780.92	9.54	8.09	151.57	-2,348.99	-4,289.44	5,162.71	5,145.50	17.21	299.904					
2,000.00	1,965.03	1,921.27	1,921.22	10.03	8.65	151.73	-2,349.96	-4,290.58	5,183.64	5,165.41	18.23	284.400					
2,100.00	2,062.48	2,057.84	2,057.79	10.53	9.19	151.89	-2,350.71	-4,290.61	5,203.86	5,184.62	19.23	270.572					
2,200.00	2,159.92	2,173.49	2,173.43	11.03	9.65	152.02	-2,350.64	-4,290.05	5,223.33	5,203.17	20.16	259.130					
2,300.00	2,257.36	2,256.26	2,256.20	11.53	9.98	152.12	-2,350.88	-4,289.53	5,242.87	5,221.92	20.95	250.311					
2,400.00	2,354.81	2,327.46	2,327.40	12.03	10.27	152.19	-2,351.54	-4,289.17	5,262.82	5,241.13	21.69	242.684					
2,500.00	2,452.25	2,400.00	2,399.94	12.54	10.57	152.27	-2,352.34	-4,289.28	5,283.39	5,260.96	22.43	235.512					
2,600.00	2,549.69	2,482.19	2,482.12	13.04	10.90	152.36	-2,353.15	-4,289.80	5,304.36	5,281.14	23.23	228.387					
2,700.00	2,647.13	2,600.81	2,600.73	13.55	11.39	152.49	-2,354.10	-4,290.44	5,325.22	5,301.04	24.18	220.209					
2,800.00	2,744.58	2,704.89	2,704.81	14.06	11.81	152.60	-2,354.98	-4,290.64	5,345.80	5,320.73	25.08	213.167					
2,900.00	2,842.02	2,797.81	2,797.72	14.57	12.19	152.69	-2,355.95	-4,290.72	5,366.39	5,340.46	25.93	206.994					
3,000.00	2,939.46	2,865.13	2,865.04	15.09	12.47	152.76	-2,356.73	-4,290.97	5,387.29	5,360.63	26.66	202.097					
3,100.00	3,036.91	2,973.26	2,973.16	15.60	12.92	152.88	-2,357.75	-4,291.92	5,408.58	5,381.01	27.58	196.126					
3,200.00	3,134.35	3,096.80	3,096.69	16.11	13.43	153.01	-2,358.46	-4,292.45	5,429.32	5,400.75	28.57	190.033					
3,300.00	3,231.79	3,170.89	3,170.79	16.63	13.74	153.08	-2,359.16	-4,292.64	5,450.08	5,420.74	29.34	185.777					
3,400.00	3,329.24	3,246.92	3,246.81	17.14	14.05	153.16	-2,360.14	-4,293.07	5,471.27	5,441.16	30.11	181.699					
3,500.00	3,426.68	3,354.90	3,354.78	17.66	14.50	153.27	-2,361.39	-4,294.05	5,492.75	5,461.71	31.04	176.969					
3,600.00	3,524.12	3,473.16	3,473.03	18.18	14.99	153.39	-2,361.98	-4,294.77	5,513.65	5,481.64	32.01	172.226					
3,700.00	3,621.57	3,572.40	3,572.27	18.69	15.41	153.50	-2,362.34	-4,295.32	5,534.50	5,501.60	32.90	168.214					
3,800.00	3,719.01	3,671.63	3,671.50	19.21	15.82	153.60	-2,362.64	-4,295.85	5,555.33	5,521.54	33.79	164.407					
3,900.00	3,816.45	3,770.88	3,770.74	19.73	16.24	153.71	-2,362.89	-4,296.38	5,576.14	5,541.46	34.68	160.790					
4,000.00	3,913.90	3,870.12	3,869.99	20.25	16.66	153.81	-2,363.07	-4,296.90	5,596.94	5,561.37	35.57	157.350					
4,100.00	4,011.34	3,969.37	3,969.24	20.77	17.07	153.91	-2,363.19	-4,297.41	5,617.72	5,581.25	36.46	154.074					
4,200.00	4,108.78	4,068.63	4,068.49	21.29	17.49	154.02	-2,363.25	-4,297.91	5,638.48	5,601.13	37.35	150.951					
4,300.00	4,206.22	4,167.89	4,167.75	21.81	17.91	154.12	-2,363.25	-4,298.40	5,659.23	5,620.98	38.25	147.970					
4,400.00	4,303.67	4,274.90	4,274.76	22.33	18.36	154.23	-2,363.09	-4,298.91	5,679.91	5,640.74	39.18	144.983					
4,500.00	4,401.11	4,380.21	4,380.07	22.85	18.80	154.35	-2,362.54	-4,299.37	5,700.43	5,660.33	40.10	142.160					
4,600.00	4,498.55	4,476.17	4,476.02	23.37	19.21	154.45	-2,361.82	-4,299.83	5,720.91	5,679.94	40.98	139.617					
4,700.00	4,596.00	4,550.27	4,550.12	23.89	19.52	154.53	-2,361.24	-4,300.33	5,741.59	5,699.84	41.75	137.535					
4,800.00	4,693.44	4,631.13	4,630.97	24.41	19.86	154.62	-2,360.49	-4,301.37	5,762.75	5,720.20	42.55	135.437					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - KRISTY #1(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
4,900.00	4,790.88	4,745.93	4,745.76	24.93	20.34	154.75	-2,359.35	-4,302.72	5,783.81	5,740.29	43.52	132.897					
5,000.00	4,888.33	4,855.83	4,855.65	25.46	20.81	154.87	-2,358.40	-4,303.66	5,804.66	5,760.20	44.47	130.535					
5,100.00	4,985.77	4,950.11	4,949.92	25.98	21.21	154.96	-2,358.74	-4,303.81	5,825.39	5,780.05	45.34	128.485					
5,200.00	5,083.21	5,031.16	5,030.97	26.50	21.55	155.03	-2,359.51	-4,303.92	5,846.34	5,800.20	46.14	126.697					
5,300.00	5,180.66	5,112.59	5,112.39	27.02	21.89	155.10	-2,360.24	-4,304.32	5,867.60	5,820.65	46.95	124.973					
5,400.00	5,278.10	5,212.24	5,212.04	27.55	22.32	155.19	-2,360.72	-4,305.08	5,888.96	5,841.11	47.85	123.072					
5,500.00	5,375.54	5,304.13	5,303.92	28.07	22.70	155.28	-2,361.07	-4,305.88	5,910.38	5,861.68	48.71	121.340					
5,582.90	5,456.32	5,427.00	5,426.80	28.50	23.23	155.39	-2,361.68	-4,306.29	5,927.74	5,878.08	49.66	119.370					
5,600.00	5,473.00	5,441.09	5,440.89	28.59	23.28	155.43	-2,361.81	-4,306.28	5,931.25	5,881.46	49.80	119.108					
5,700.00	5,570.93	5,534.21	5,534.00	29.10	23.68	155.65	-2,363.15	-4,306.11	5,950.09	5,899.43	50.65	117.463					
5,800.00	5,669.52	5,638.55	5,638.32	29.57	24.12	155.84	-2,364.78	-4,305.72	5,965.66	5,914.10	51.56	115.710					
5,900.00	5,768.62	5,718.35	5,718.12	30.03	24.46	155.97	-2,365.88	-4,305.60	5,978.23	5,925.90	52.32	114.260					
6,000.00	5,868.13	5,782.49	5,782.25	30.45	24.73	156.07	-2,366.78	-4,305.85	5,988.12	5,935.13	52.99	113.001					
6,100.00	5,967.93	5,884.60	5,884.34	30.86	25.17	156.14	-2,368.02	-4,306.72	5,995.19	5,941.35	53.84	111.343					
6,200.00	6,067.88	6,032.43	6,032.17	31.24	25.79	156.19	-2,368.43	-4,307.80	5,998.60	5,943.68	54.92	109.228					
6,232.12	6,100.00	6,079.94	6,079.68	31.36	25.99	-113.10	-2,368.40	-4,307.93	5,998.84	5,943.59	55.26	108.564					
6,300.00	6,167.88	6,157.21	6,156.95	31.61	26.32	-113.10	-2,368.42	-4,307.92	5,998.83	5,942.99	55.84	107.421					
6,393.61	6,261.49	6,352.43	6,247.31	31.95	27.15	-113.10	-2,368.65	-4,307.74	5,998.76	5,941.74	57.02	105.206					
6,400.00	6,267.88	6,346.03	6,253.70	31.97	27.12	-113.10	-2,368.68	-4,307.73	5,998.76	5,941.74	57.02	105.212					
6,500.00	6,367.88	6,353.96	6,353.70	32.34	27.16	-113.11	-2,369.21	-4,307.50	5,998.76	5,941.34	57.43	104.461					
6,600.00	6,467.88	6,453.96	6,453.70	32.70	27.58	-113.11	-2,369.74	-4,307.28	5,998.77	5,940.54	58.23	103.022					
6,700.00	6,567.88	6,553.96	6,553.69	33.07	28.00	-113.12	-2,370.27	-4,307.06	5,998.77	5,939.74	59.03	101.619					
6,736.50	6,604.38	6,590.46	6,590.19	33.21	28.16	-113.12	-2,370.47	-4,306.98	5,998.77	5,939.44	59.33	101.115					
6,750.00	6,617.88	6,603.96	6,603.69	33.25	28.22	-26.03	-2,370.54	-4,306.95	5,998.64	5,939.21	59.43	100.932					
6,800.00	6,667.77	6,653.85	6,653.58	33.43	28.43	-26.16	-2,370.80	-4,306.83	5,995.93	5,936.11	59.81	100.241					
6,850.00	6,717.28	6,703.33	6,703.06	33.60	28.64	-26.44	-2,371.07	-4,306.72	5,989.71	5,929.52	60.19	99.520					
6,900.00	6,766.09	6,752.11	6,751.84	33.79	28.85	-26.89	-2,371.33	-4,306.61	5,980.02	5,919.48	60.54	98.771					
6,950.00	6,813.90	6,799.89	6,799.62	33.99	29.05	-27.51	-2,371.58	-4,306.51	5,966.93	5,906.04	60.89	97.997					
7,000.00	6,860.42	6,846.36	6,846.09	34.20	29.25	-28.33	-2,371.83	-4,306.40	5,950.53	5,889.31	61.22	97.202					
7,050.00	6,905.36	6,891.25	6,890.98	34.42	29.44	-29.35	-2,372.07	-4,306.30	5,930.91	5,869.38	61.53	96.387					
7,100.00	6,948.45	6,934.27	6,934.00	34.67	29.62	-30.62	-2,372.29	-4,306.21	5,908.22	5,846.39	61.83	95.554					
7,150.00	6,989.41	6,975.16	6,974.89	34.94	29.79	-32.16	-2,372.51	-4,306.12	5,882.59	5,820.48	62.12	94.705					
7,200.00	7,028.00	7,013.67	7,013.40	35.24	29.96	-34.02	-2,372.72	-4,306.03	5,854.20	5,791.82	62.39	93.839					
7,250.00	7,063.98	7,049.56	7,049.29	35.56	30.11	-36.24	-2,372.91	-4,305.95	5,823.24	5,760.60	62.64	92.959					
7,300.00	7,097.13	7,082.62	7,082.34	35.92	30.25	-38.90	-2,373.08	-4,305.88	5,789.90	5,727.01	62.89	92.064					
7,350.00	7,127.23	7,112.62	7,112.35	36.32	30.38	-42.07	-2,373.24	-4,305.81	5,754.40	5,691.27	63.13	91.155					
7,400.00	7,154.12	7,139.40	7,139.12	36.75	30.49	-45.83	-2,373.38	-4,305.75	5,716.97	5,653.61	63.36	90.233					
7,450.00	7,177.61	7,162.79	7,162.51	37.22	30.59	-50.29	-2,373.51	-4,305.70	5,677.86	5,614.27	63.58	89.298					
7,500.00	7,197.57	7,182.63	7,182.35	37.73	30.68	-55.51	-2,373.61	-4,305.65	5,637.31	5,573.50	63.80	88.353					
7,550.00	7,213.88	7,198.82	7,198.54	38.28	30.75	-61.57	-2,373.70	-4,305.62	5,595.58	5,531.56	64.02	87.398					
7,600.00	7,226.42	7,211.24	7,210.96	38.87	30.80	-68.44	-2,373.76	-4,305.59	5,552.95	5,488.70	64.24	86.436					
7,650.00	7,235.13	7,219.83	7,219.55	39.48	30.84	-76.00	-2,373.81	-4,305.57	5,509.67	5,445.21	64.46	85.471					
7,700.00	7,239.95	7,224.52	7,224.25	40.12	30.86	-84.02	-2,373.83	-4,305.56	5,466.03	5,401.35	64.68	84.505					
7,735.44	7,241.00	7,225.48	7,225.20	40.59	30.86	-89.79	-2,373.84	-4,305.56	5,435.03	5,370.19	64.84	83.823					
7,800.00	7,241.11	7,225.43	7,225.15	41.47	30.86	-89.79	-2,373.84	-4,305.56	5,378.66	5,313.52	65.14	82.570					
7,900.00	7,241.27	7,225.34	7,225.07	42.96	30.86	-89.79	-2,373.84	-4,305.56	5,291.71	5,226.04	65.68	80.573					
8,000.00	7,241.44	7,225.26	7,224.98	44.59	30.86	-89.78	-2,373.84	-4,305.56	5,205.24	5,138.94	66.30	78.514					
8,100.00	7,241.61	7,225.18	7,224.90	46.34	30.86	-89.78	-2,373.84	-4,305.56	5,119.25	5,052.24	67.01	76.399					
8,200.00	7,241.77	7,225.09	7,224.82	48.20	30.86	-89.78	-2,373.84	-4,305.56	5,033.78	4,965.97	67.81	74.234					
8,300.00	7,241.94	7,225.01	7,224.73	50.16	30.86	-89.78	-2,373.84	-4,305.56	4,948.86	4,880.15	68.71	72.027					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,400.00	7,242.11	7,224.93	7,224.65	52.20	30.86	-89.78	-2,373.84	-4,305.56	4,864.51	4,794.81	69.71	69.786			
8,500.00	7,242.27	7,224.84	7,224.56	54.31	30.86	-89.78	-2,373.84	-4,305.56	4,780.77	4,709.96	70.80	67.521			
8,600.00	7,242.44	7,224.76	7,224.48	56.49	30.86	-89.77	-2,373.84	-4,305.56	4,697.66	4,625.65	72.01	65.239			
8,700.00	7,242.60	7,224.68	7,224.40	58.73	30.86	-89.77	-2,373.84	-4,305.56	4,615.22	4,541.90	73.32	62.951			
8,800.00	7,242.77	7,224.59	7,224.31	61.03	30.86	-89.77	-2,373.84	-4,305.56	4,533.49	4,458.76	74.73	60.664			
8,900.00	7,242.94	7,224.51	7,224.23	63.37	30.86	-89.77	-2,373.83	-4,305.56	4,452.50	4,376.24	76.26	58.388			
9,000.00	7,243.10	7,224.43	7,224.15	65.75	30.86	-89.77	-2,373.83	-4,305.56	4,372.30	4,294.41	77.89	56.132			
9,100.00	7,243.27	7,224.34	7,224.06	68.18	30.85	-89.76	-2,373.83	-4,305.56	4,292.93	4,213.29	79.64	53.902			
9,200.00	7,243.44	7,224.26	7,223.98	70.63	30.85	-89.76	-2,373.83	-4,305.56	4,214.44	4,132.93	81.51	51.706			
9,300.00	7,243.60	7,224.17	7,223.90	73.12	30.85	-89.76	-2,373.83	-4,305.56	4,136.88	4,053.39	83.49	49.551			
9,400.00	7,243.77	7,224.09	7,223.81	75.63	30.85	-89.76	-2,373.83	-4,305.56	4,060.30	3,974.71	85.58	47.442			
9,500.00	7,243.94	7,224.01	7,223.73	78.17	30.85	-89.76	-2,373.83	-4,305.56	3,984.75	3,896.96	87.80	45.385			
9,600.00	7,244.10	7,223.92	7,223.65	80.73	30.85	-89.76	-2,373.83	-4,305.56	3,910.31	3,820.18	90.13	43.385			
9,700.00	7,244.27	7,223.84	7,223.56	83.31	30.85	-89.75	-2,373.83	-4,305.56	3,837.03	3,744.44	92.58	41.444			
9,800.00	7,244.44	7,223.76	7,223.48	85.91	30.85	-89.75	-2,373.83	-4,305.56	3,764.97	3,669.82	95.16	39.567			
9,900.00	7,244.60	7,223.67	7,223.40	88.53	30.85	-89.75	-2,373.83	-4,305.56	3,694.22	3,596.37	97.85	37.755			
10,000.00	7,244.77	7,223.59	7,223.31	91.16	30.85	-89.75	-2,373.83	-4,305.56	3,624.85	3,524.19	100.66	36.011			
10,100.00	7,244.94	7,223.51	7,223.23	93.81	30.85	-89.75	-2,373.83	-4,305.56	3,556.93	3,453.34	103.59	34.336			
10,200.00	7,245.10	7,223.42	7,223.15	96.46	30.85	-89.74	-2,373.83	-4,305.56	3,490.56	3,383.92	106.64	32.732			
10,300.00	7,245.27	7,223.34	7,223.06	99.14	30.85	-89.74	-2,373.83	-4,305.56	3,425.83	3,316.02	109.81	31.199			
10,400.00	7,245.43	7,223.26	7,222.98	101.82	30.85	-89.74	-2,373.83	-4,305.56	3,362.82	3,249.73	113.09	29.737			
10,500.00	7,245.60	7,223.17	7,222.90	104.51	30.85	-89.74	-2,373.83	-4,305.56	3,301.63	3,185.16	116.48	28.346			
10,600.00	7,245.77	7,223.09	7,222.81	107.21	30.85	-89.74	-2,373.83	-4,305.56	3,242.38	3,122.41	119.97	27.026			
10,700.00	7,245.93	7,223.01	7,222.73	109.92	30.85	-89.74	-2,373.83	-4,305.56	3,185.17	3,061.60	123.57	25.776			
10,800.00	7,246.10	7,222.92	7,222.65	112.64	30.85	-89.73	-2,373.83	-4,305.56	3,130.10	3,002.84	127.26	24.596			
10,900.00	7,246.27	7,222.84	7,222.56	115.37	30.85	-89.73	-2,373.83	-4,305.56	3,077.30	2,946.27	131.03	23.485			
11,000.00	7,246.43	7,222.76	7,222.48	118.10	30.85	-89.73	-2,373.83	-4,305.56	3,026.89	2,892.00	134.89	22.440			
11,100.00	7,246.60	7,222.67	7,222.40	120.84	30.85	-89.73	-2,373.82	-4,305.56	2,978.98	2,840.18	138.80	21.462			
11,200.00	7,246.77	7,222.59	7,222.31	123.58	30.85	-89.73	-2,373.82	-4,305.56	2,933.69	2,790.93	142.77	20.549			
11,300.00	7,246.93	7,222.51	7,222.23	126.34	30.85	-89.72	-2,373.82	-4,305.56	2,891.16	2,744.39	146.77	19.699			
11,340.34	7,247.00	7,222.47	7,222.19	127.45	30.85	-89.72	-2,373.82	-4,305.56	2,874.81	2,726.42	148.39	19.373			
11,400.00	7,247.10	7,222.43	7,222.15	129.09	30.85	-89.72	-2,373.82	-4,305.56	2,850.93	2,700.15	150.78	18.908			
11,500.00	7,247.27	7,222.37	7,222.09	131.84	30.85	-89.71	-2,373.82	-4,305.56	2,810.70	2,655.97	154.73	18.165			
11,586.15	7,247.43	7,222.34	7,222.06	134.20	30.85	-89.70	-2,373.82	-4,305.56	2,775.88	2,617.79	158.08	17.560			
11,600.00	7,247.45	7,222.34	7,222.06	134.57	30.85	-89.70	-2,373.82	-4,305.56	2,770.29	2,611.68	158.62	17.465			
11,700.00	7,247.64	7,222.32	7,222.04	137.31	30.85	-89.70	-2,373.82	-4,305.56	2,731.74	2,569.28	162.46	16.815			
11,800.00	7,247.82	7,222.30	7,222.02	140.05	30.85	-89.70	-2,373.82	-4,305.56	2,696.34	2,530.07	166.27	16.216			
11,900.00	7,248.00	7,222.27	7,222.00	142.79	30.85	-89.70	-2,373.82	-4,305.56	2,664.23	2,494.20	170.03	15.669			
12,000.00	7,248.18	7,222.25	7,221.97	145.53	30.85	-89.70	-2,373.82	-4,305.56	2,635.53	2,461.81	173.72	15.171			
12,100.00	7,248.37	7,222.23	7,221.95	148.28	30.85	-89.69	-2,373.82	-4,305.56	2,610.34	2,433.04	177.30	14.723			
12,200.00	7,248.55	7,222.21	7,221.93	151.04	30.85	-89.69	-2,373.82	-4,305.56	2,588.77	2,408.02	180.75	14.322			
12,300.00	7,248.73	7,222.18	7,221.91	153.80	30.85	-89.69	-2,373.82	-4,305.56	2,570.91	2,386.85	184.06	13.968			
12,400.00	7,248.91	7,222.16	7,221.88	156.56	30.85	-89.69	-2,373.82	-4,305.56	2,556.85	2,369.65	187.20	13.659			
12,500.00	7,249.10	7,222.14	7,221.86	159.32	30.85	-89.69	-2,373.82	-4,305.57	2,546.63	2,356.49	190.14	13.394			
12,600.00	7,249.28	7,222.12	7,221.84	162.09	30.85	-89.69	-2,373.82	-4,305.57	2,540.31	2,347.44	192.87	13.171			
12,700.00	7,249.46	7,222.10	7,221.82	164.86	30.85	-89.69	-2,373.82	-4,305.57	2,537.93	2,342.55	195.37	12.990			
12,710.66	7,249.48	7,222.09	7,221.82	165.15	30.85	-89.69	-2,373.82	-4,305.57	2,537.90	2,342.28	195.62	12.973 CC			
12,800.00	7,249.64	7,222.07	7,221.80	167.63	30.85	-89.69	-2,373.82	-4,305.57	2,539.47	2,341.84	197.63	12.849 ES			
12,900.00	7,249.83	7,222.05	7,221.77	170.40	30.85	-89.69	-2,373.82	-4,305.57	2,544.96	2,345.32	199.64	12.748			
13,000.00	7,250.01	7,222.03	7,221.75	173.18	30.85	-89.69	-2,373.82	-4,305.57	2,554.34	2,352.95	201.39	12.684			
13,100.00	7,250.19	7,222.01	7,221.73	175.96	30.85	-89.69	-2,373.82	-4,305.57	2,567.59	2,364.71	202.88	12.656 SF			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,200.00	7,250.37	7,221.99	7,221.71	178.74	30.84	-89.69	-2,373.82	-4,305.57	2,584.65	2,380.54	204.11	12.663		
13,300.00	7,250.56	7,221.96	7,221.69	181.52	30.84	-89.69	-2,373.82	-4,305.57	2,605.43	2,400.35	205.08	12.704		
13,400.00	7,250.74	7,221.94	7,221.66	184.31	30.84	-89.69	-2,373.82	-4,305.57	2,629.85	2,424.05	205.81	12.778		
13,500.00	7,250.92	7,221.92	7,221.64	187.09	30.84	-89.69	-2,373.82	-4,305.57	2,657.82	2,451.53	206.29	12.884		
13,600.00	7,251.10	7,221.90	7,221.62	189.88	30.84	-89.69	-2,373.82	-4,305.57	2,689.21	2,482.66	206.55	13.019		
13,700.00	7,251.29	7,221.87	7,221.60	192.67	30.84	-89.69	-2,373.82	-4,305.57	2,723.92	2,517.32	206.60	13.184		
13,800.00	7,251.47	7,221.85	7,221.58	195.47	30.84	-89.69	-2,373.82	-4,305.57	2,761.81	2,555.35	206.46	13.377		
13,900.00	7,251.65	7,221.83	7,221.55	198.26	30.84	-89.69	-2,373.82	-4,305.57	2,802.76	2,596.63	206.13	13.597		
14,000.00	7,251.83	7,221.81	7,221.53	201.05	30.84	-89.69	-2,373.82	-4,305.57	2,846.64	2,640.99	205.65	13.842		
14,100.00	7,252.01	7,221.79	7,221.51	203.85	30.84	-89.68	-2,373.82	-4,305.57	2,893.30	2,688.29	205.01	14.113		
14,200.00	7,252.20	7,221.76	7,221.49	206.65	30.84	-89.68	-2,373.82	-4,305.57	2,942.63	2,738.38	204.25	14.407		
14,300.00	7,252.38	7,221.74	7,221.46	209.45	30.84	-89.68	-2,373.82	-4,305.57	2,994.49	2,791.11	203.37	14.724		
14,400.00	7,252.56	7,221.72	7,221.44	212.25	30.84	-89.68	-2,373.82	-4,305.57	3,048.74	2,846.34	202.40	15.063		
14,500.00	7,252.74	7,221.70	7,221.42	215.05	30.84	-89.68	-2,373.82	-4,305.57	3,105.27	2,903.93	201.34	15.423		
14,600.00	7,252.93	7,221.68	7,221.40	217.86	30.84	-89.68	-2,373.82	-4,305.57	3,163.94	2,963.74	200.21	15.803		
14,700.00	7,253.11	7,221.65	7,221.38	220.66	30.84	-89.68	-2,373.82	-4,305.57	3,224.66	3,025.64	199.02	16.203		
14,800.00	7,253.29	7,221.63	7,221.35	223.47	30.84	-89.68	-2,373.82	-4,305.57	3,287.29	3,089.51	197.78	16.621		
14,900.00	7,253.47	7,221.61	7,221.33	226.27	30.84	-89.68	-2,373.82	-4,305.57	3,351.74	3,155.23	196.51	17.057		
15,000.00	7,253.66	7,221.59	7,221.31	229.08	30.84	-89.68	-2,373.82	-4,305.57	3,417.90	3,222.70	195.20	17.510		
15,100.00	7,253.84	7,221.57	7,221.29	231.89	30.84	-89.68	-2,373.82	-4,305.57	3,485.67	3,291.79	193.88	17.979		
15,200.00	7,254.02	7,221.54	7,221.27	234.70	30.84	-89.68	-2,373.82	-4,305.57	3,554.96	3,362.42	192.54	18.464		
15,300.00	7,254.20	7,221.52	7,221.24	237.51	30.84	-89.68	-2,373.82	-4,305.57	3,625.69	3,434.50	191.19	18.964		
15,400.00	7,254.39	7,221.50	7,221.22	240.32	30.84	-89.68	-2,373.82	-4,305.57	3,697.77	3,507.93	189.84	19.478		
15,500.00	7,254.57	7,221.48	7,221.20	243.13	30.84	-89.68	-2,373.82	-4,305.57	3,771.12	3,582.62	188.50	20.006		
15,600.00	7,254.75	7,221.45	7,221.18	245.94	30.84	-89.68	-2,373.82	-4,305.57	3,845.68	3,658.52	187.16	20.548		
15,700.00	7,254.93	7,221.43	7,221.15	248.76	30.84	-89.68	-2,373.82	-4,305.57	3,921.36	3,735.53	185.83	21.102		
15,800.00	7,255.12	7,221.41	7,221.13	251.57	30.84	-89.68	-2,373.82	-4,305.57	3,998.12	3,813.60	184.52	21.668		
15,900.00	7,255.30	7,221.39	7,221.11	254.39	30.84	-89.68	-2,373.82	-4,305.57	4,075.88	3,892.67	183.22	22.246		
16,000.00	7,255.48	7,221.37	7,221.09	257.20	30.84	-89.68	-2,373.82	-4,305.57	4,154.60	3,972.66	181.94	22.836		
16,100.00	7,255.66	7,221.34	7,221.07	260.02	30.84	-89.67	-2,373.82	-4,305.57	4,234.21	4,053.54	180.67	23.436		
16,200.00	7,255.85	7,221.32	7,221.04	262.84	30.84	-89.67	-2,373.82	-4,305.57	4,314.68	4,135.24	179.43	24.046		
16,300.00	7,256.03	7,221.30	7,221.02	265.65	30.84	-89.67	-2,373.82	-4,305.57	4,395.94	4,217.72	178.22	24.666		
16,400.00	7,256.21	7,221.28	7,221.00	268.47	30.84	-89.67	-2,373.82	-4,305.57	4,477.96	4,300.94	177.02	25.296		
16,500.00	7,256.39	7,221.26	7,220.98	271.29	30.84	-89.67	-2,373.82	-4,305.57	4,560.70	4,384.85	175.85	25.935		
16,600.00	7,256.58	7,221.23	7,220.96	274.11	30.84	-89.67	-2,373.82	-4,305.57	4,644.12	4,469.42	174.70	26.583		
16,700.00	7,256.76	7,221.21	7,220.93	276.93	30.84	-89.67	-2,373.82	-4,305.57	4,728.19	4,554.61	173.58	27.239		
16,800.00	7,256.94	7,221.19	7,220.91	279.75	30.84	-89.67	-2,373.82	-4,305.57	4,812.86	4,640.38	172.48	27.904		
16,900.00	7,257.12	7,221.17	7,220.89	282.57	30.84	-89.67	-2,373.82	-4,305.57	4,898.11	4,726.70	171.41	28.576		
17,000.00	7,257.30	7,221.14	7,220.87	285.40	30.84	-89.67	-2,373.82	-4,305.57	4,983.91	4,813.55	170.36	29.255		
17,100.00	7,257.49	7,221.12	7,220.85	288.22	30.84	-89.67	-2,373.82	-4,305.57	5,070.23	4,900.90	169.33	29.942		
17,200.00	7,257.67	7,221.10	7,220.82	291.04	30.84	-89.67	-2,373.82	-4,305.57	5,157.04	4,988.71	168.33	30.636		
17,300.00	7,257.85	7,221.08	7,220.80	293.87	30.84	-89.67	-2,373.82	-4,305.57	5,244.33	5,076.97	167.36	31.336		
17,400.00	7,258.03	7,221.06	7,220.78	296.69	30.84	-89.67	-2,373.82	-4,305.57	5,332.06	5,165.65	166.40	32.043		
17,500.00	7,258.22	7,221.03	7,220.76	299.51	30.84	-89.67	-2,373.82	-4,305.57	5,420.21	5,254.74	165.47	32.756		
17,600.00	7,258.40	7,221.01	7,220.73	302.34	30.84	-89.67	-2,373.82	-4,305.57	5,508.77	5,344.21	164.57	33.474		
17,700.00	7,258.58	7,220.99	7,220.71	305.16	30.84	-89.67	-2,373.82	-4,305.57	5,597.72	5,434.04	163.68	34.199		
17,800.00	7,258.76	7,220.97	7,220.69	307.99	30.84	-89.67	-2,373.82	-4,305.57	5,687.03	5,524.21	162.82	34.929		
17,900.00	7,258.95	7,220.95	7,220.67	310.82	30.84	-89.67	-2,373.82	-4,305.57	5,776.69	5,614.72	161.98	35.664		
18,000.00	7,259.13	7,220.92	7,220.65	313.64	30.84	-89.67	-2,373.82	-4,305.57	5,866.69	5,705.53	161.16	36.404		
18,100.00	7,259.31	7,220.90	7,220.62	316.47	30.84	-89.66	-2,373.82	-4,305.57	5,957.00	5,796.65	160.36	37.149		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,200.00	7,259.49	7,220.88	7,220.60	319.30	30.84	-89.66	-2,373.82	-4,305.57	6,047.63	5,888.05	159.58	37.898		
18,300.00	7,259.68	7,220.86	7,220.58	322.12	30.84	-89.66	-2,373.82	-4,305.57	6,138.54	5,979.72	158.81	38.652		
18,400.00	7,259.86	7,220.84	7,220.56	324.95	30.84	-89.66	-2,373.82	-4,305.57	6,229.73	6,071.65	158.07	39.410		
18,500.00	7,260.04	7,220.81	7,220.54	327.78	30.84	-89.66	-2,373.82	-4,305.57	6,321.18	6,163.83	157.35	40.173		
18,600.00	7,260.22	7,220.79	7,220.51	330.61	30.84	-89.66	-2,373.81	-4,305.57	6,412.90	6,256.25	156.64	40.939		
18,700.00	7,260.41	7,220.77	7,220.49	333.44	30.84	-89.66	-2,373.81	-4,305.57	6,504.85	6,348.90	155.96	41.709		
18,800.00	7,260.59	7,220.75	7,220.47	336.27	30.84	-89.66	-2,373.81	-4,305.57	6,597.04	6,441.76	155.29	42.483		
18,900.00	7,260.77	7,220.72	7,220.45	339.10	30.84	-89.66	-2,373.81	-4,305.57	6,689.46	6,534.82	154.63	43.260		
19,000.00	7,260.95	7,220.70	7,220.42	341.93	30.84	-89.66	-2,373.81	-4,305.57	6,782.09	6,628.09	154.00	44.041		
19,025.91	7,261.00	7,220.70	7,220.42	342.66	30.84	-89.66	-2,373.81	-4,305.57	6,806.12	6,652.29	153.83	44.243		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 740-MWD													Offset Well Error:	3.28 ft
Falken 9-11 PAD - Merritt #6-66-9-0758CDH(PR) - OH - OH														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,600.00	7,244.10	10,232.00	7,280.16	80.73	73.01	-95.91	367.20	-11,190.45	9,906.94	9,805.40	101.54	97.570		
9,700.00	7,244.27	10,232.00	7,280.16	83.31	73.01	-95.91	367.20	-11,190.45	9,806.97	9,705.40	101.57	96.554		
9,800.00	7,244.44	10,232.00	7,280.16	85.91	73.01	-95.91	367.20	-11,190.45	9,707.00	9,605.40	101.60	95.538		
9,900.00	7,244.60	10,232.00	7,280.16	88.53	73.01	-95.91	367.20	-11,190.45	9,607.03	9,505.39	101.64	94.520		
10,000.00	7,244.77	10,232.00	7,280.16	91.16	73.01	-95.91	367.20	-11,190.45	9,507.07	9,405.39	101.68	93.502		
10,100.00	7,244.94	10,232.00	7,280.16	93.81	73.01	-95.91	367.20	-11,190.45	9,407.10	9,305.38	101.72	92.483		
10,200.00	7,245.10	10,232.00	7,280.16	96.46	73.01	-95.91	367.20	-11,190.45	9,307.14	9,205.38	101.76	91.463		
10,300.00	7,245.27	10,232.00	7,280.16	99.14	73.01	-95.91	367.20	-11,190.45	9,207.17	9,105.37	101.80	90.443		
10,400.00	7,245.43	10,232.00	7,280.16	101.82	73.01	-95.91	367.20	-11,190.45	9,107.21	9,005.36	101.85	89.422		
10,500.00	7,245.60	10,232.00	7,280.16	104.51	73.01	-95.91	367.20	-11,190.45	9,007.25	8,905.35	101.89	88.400		
10,600.00	7,245.77	10,232.00	7,280.16	107.21	73.01	-95.91	367.20	-11,190.45	8,907.29	8,805.35	101.94	87.377		
10,700.00	7,245.93	10,232.00	7,280.16	109.92	73.01	-95.91	367.20	-11,190.45	8,807.32	8,705.33	101.99	86.354		
10,800.00	7,246.10	10,232.00	7,280.16	112.64	73.01	-95.91	367.20	-11,190.45	8,707.36	8,605.32	102.04	85.331		
10,900.00	7,246.27	10,232.00	7,280.16	115.37	73.01	-95.91	367.20	-11,190.45	8,607.41	8,505.31	102.10	84.307		
11,000.00	7,246.43	10,232.00	7,280.16	118.10	73.01	-95.91	367.20	-11,190.45	8,507.45	8,405.30	102.15	83.282		
11,100.00	7,246.60	10,232.00	7,280.16	120.84	73.01	-95.91	367.20	-11,190.45	8,407.49	8,305.28	102.21	82.257		
11,200.00	7,246.77	10,232.00	7,280.16	123.58	73.01	-95.91	367.20	-11,190.45	8,307.54	8,205.27	102.27	81.232		
11,300.00	7,246.93	10,197.30	7,280.38	126.34	72.37	-96.92	401.88	-11,189.35	8,207.26	8,105.73	101.53	80.834		
11,340.34	7,247.00	10,197.06	7,280.38	127.45	72.37	-96.93	402.12	-11,189.34	8,166.94	8,065.39	101.55	80.423		
11,400.00	7,247.10	10,196.84	7,280.38	129.09	72.36	-120.96	402.34	-11,189.34	8,107.29	8,005.71	101.58	79.814		
11,500.00	7,247.27	10,197.13	7,280.38	131.84	72.37	95.97	402.05	-11,189.34	8,007.30	7,905.68	101.62	78.798		
11,586.15	7,247.43	10,198.05	7,280.37	134.20	72.38	92.94	401.13	-11,189.37	7,921.24	7,819.59	101.65	77.925		
11,600.00	7,247.45	10,232.00	7,280.16	134.57	73.01	93.14	367.20	-11,190.45	7,907.72	7,805.28	102.44	77.192		
11,700.00	7,247.64	10,232.00	7,280.16	137.31	73.01	93.14	367.20	-11,190.45	7,807.88	7,705.43	102.45	76.213		
11,800.00	7,247.82	10,232.00	7,280.16	140.05	73.01	93.14	367.20	-11,190.45	7,708.04	7,605.59	102.46	75.233		
11,900.00	7,248.00	10,232.00	7,280.16	142.79	73.01	93.14	367.20	-11,190.45	7,608.21	7,505.74	102.47	74.251		
12,000.00	7,248.18	10,232.00	7,280.16	145.53	73.01	93.14	367.20	-11,190.45	7,508.38	7,405.90	102.48	73.268		
12,100.00	7,248.37	10,232.00	7,280.16	148.28	73.01	93.14	367.20	-11,190.45	7,408.56	7,306.06	102.49	72.283		
12,200.00	7,248.55	10,232.00	7,280.16	151.04	73.01	93.14	367.20	-11,190.45	7,308.74	7,206.23	102.51	71.296		
12,300.00	7,248.73	10,232.00	7,280.16	153.80	73.01	93.14	367.20	-11,190.45	7,208.93	7,106.39	102.53	70.308		
12,400.00	7,248.91	10,232.00	7,280.16	156.56	73.01	93.14	367.20	-11,190.45	7,109.12	7,006.56	102.56	69.319		
12,500.00	7,249.10	10,232.00	7,280.16	159.32	73.01	93.14	367.20	-11,190.45	7,009.32	6,906.73	102.58	68.327		
12,600.00	7,249.28	10,232.00	7,280.16	162.09	73.01	93.14	367.20	-11,190.45	6,909.52	6,806.91	102.61	67.335		
12,700.00	7,249.46	10,232.00	7,280.16	164.86	73.01	93.14	367.20	-11,190.45	6,809.73	6,707.08	102.65	66.340		
12,800.00	7,249.64	10,232.00	7,280.16	167.63	73.01	93.14	367.20	-11,190.45	6,709.95	6,607.26	102.69	65.343		
12,900.00	7,249.83	10,232.00	7,280.16	170.40	73.01	93.14	367.20	-11,190.45	6,610.17	6,507.44	102.73	64.345		
13,000.00	7,250.01	10,232.00	7,280.16	173.18	73.01	93.14	367.20	-11,190.45	6,510.40	6,407.62	102.78	63.345		
13,100.00	7,250.19	10,232.00	7,280.16	175.96	73.01	93.14	367.20	-11,190.45	6,410.63	6,307.80	102.83	62.343		
13,200.00	7,250.37	10,232.00	7,280.16	178.74	73.01	93.14	367.20	-11,190.45	6,310.88	6,207.99	102.89	61.339		
13,300.00	7,250.56	10,232.00	7,280.16	181.52	73.01	93.14	367.20	-11,190.45	6,211.13	6,108.18	102.95	60.333		
13,400.00	7,250.74	13,400.00	7,279.77	184.31	133.38	93.44	322.37	-11,191.81	6,111.22	5,946.93	164.29	37.197		
13,500.00	7,250.92	13,500.00	7,279.71	187.09	135.32	93.48	315.86	-11,192.00	6,011.44	5,845.14	166.30	36.149		
13,600.00	7,251.10	13,600.00	7,279.65	189.88	137.25	93.53	309.34	-11,192.20	5,911.65	5,743.35	168.30	35.125		
13,700.00	7,251.29	13,700.00	7,279.60	192.67	139.18	93.59	302.83	-11,192.40	5,811.86	5,641.55	170.31	34.125		
13,800.00	7,251.47	10,326.00	7,279.34	195.47	74.74	93.85	273.25	-11,193.29	5,712.12	5,606.87	105.25	54.272		
13,900.00	7,251.65	10,326.00	7,279.34	198.26	74.74	93.85	273.25	-11,193.29	5,612.31	5,507.00	105.31	53.292		
14,000.00	7,251.83	10,326.00	7,279.34	201.05	74.74	93.85	273.25	-11,193.29	5,512.51	5,407.13	105.38	52.311		
14,100.00	7,252.01	10,326.00	7,279.34	203.85	74.74	93.85	273.25	-11,193.29	5,412.72	5,307.26	105.45	51.328		
14,200.00	7,252.20	10,326.00	7,279.34	206.65	74.74	93.85	273.25	-11,193.29	5,312.93	5,207.40	105.53	50.344		
14,300.00	7,252.38	10,326.00	7,279.34	209.45	74.74	93.85	273.25	-11,193.29	5,213.15	5,107.53	105.62	49.358		
14,400.00	7,252.56	10,326.00	7,279.34	212.25	74.74	93.85	273.25	-11,193.29	5,113.38	5,007.67	105.71	48.370		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 740-MWD													Offset Well Error:	3.28 ft
Falken 9-11 PAD - Merritt #6-66-9-0758CDH(PR) - OH - OH														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,500.00	7,252.74	10,326.00	7,279.34	215.05	74.74	93.85	273.25	-11,193.29	5,013.62	4,907.80	105.82	47.380		
14,600.00	7,252.93	10,326.00	7,279.34	217.86	74.74	93.85	273.25	-11,193.29	4,913.87	4,807.94	105.93	46.389		
14,700.00	7,253.11	10,326.00	7,279.34	220.66	74.74	93.85	273.25	-11,193.29	4,814.13	4,708.08	106.05	45.395		
14,800.00	7,253.29	10,326.00	7,279.34	223.47	74.74	93.85	273.25	-11,193.29	4,714.40	4,608.22	106.18	44.400		
14,900.00	7,253.47	10,326.00	7,279.34	226.27	74.74	93.85	273.25	-11,193.29	4,614.68	4,508.36	106.32	43.402		
15,000.00	7,253.66	10,326.00	7,279.34	229.08	74.74	93.85	273.25	-11,193.29	4,514.97	4,408.49	106.48	42.402		
15,100.00	7,253.84	10,326.00	7,279.34	231.89	74.74	93.85	273.25	-11,193.29	4,415.28	4,308.63	106.65	41.400		
15,200.00	7,254.02	10,358.11	7,278.99	234.70	75.34	94.17	241.16	-11,194.25	4,315.21	4,207.95	107.26	40.233		
15,300.00	7,254.20	10,360.37	7,278.97	237.51	75.38	94.20	238.89	-11,194.34	4,215.49	4,108.04	107.45	39.232		
15,400.00	7,254.39	10,362.71	7,278.94	240.32	75.42	94.22	236.55	-11,194.44	4,115.77	4,008.12	107.66	38.231		
15,500.00	7,254.57	10,365.14	7,278.91	243.13	75.46	94.25	234.13	-11,194.54	4,016.07	3,908.19	107.87	37.230		
15,600.00	7,254.75	10,367.64	7,278.89	245.94	75.51	94.28	231.63	-11,194.64	3,916.37	3,808.27	108.10	36.228		
15,700.00	7,254.93	10,370.23	7,278.86	248.76	75.56	94.31	229.04	-11,194.76	3,816.69	3,708.34	108.35	35.227		
15,800.00	7,255.12	10,372.92	7,278.83	251.57	75.61	94.34	226.36	-11,194.88	3,717.02	3,608.41	108.60	34.225		
15,900.00	7,255.30	10,375.70	7,278.80	254.39	75.66	94.38	223.58	-11,195.01	3,617.35	3,508.48	108.88	33.224		
16,000.00	7,255.48	10,378.58	7,278.76	257.20	75.71	94.41	220.70	-11,195.15	3,517.71	3,408.54	109.17	32.222		
16,100.00	7,255.66	10,381.57	7,278.73	260.02	75.77	94.45	217.71	-11,195.30	3,418.07	3,308.59	109.48	31.222		
16,200.00	7,255.85	10,384.68	7,278.69	262.84	75.83	94.49	214.61	-11,195.46	3,318.45	3,208.65	109.81	30.221		
16,300.00	7,256.03	10,387.91	7,278.65	265.65	75.88	94.53	211.39	-11,195.64	3,218.84	3,108.69	110.15	29.221		
16,400.00	7,256.21	10,391.27	7,278.62	268.47	75.95	94.58	208.03	-11,195.82	3,119.25	3,008.73	110.53	28.222		
16,500.00	7,256.39	10,394.76	7,278.57	271.29	76.01	94.63	204.54	-11,196.02	3,019.68	2,908.76	110.92	27.224		
16,600.00	7,256.58	10,421.00	7,278.26	274.11	76.50	95.03	178.37	-11,197.73	2,920.35	2,809.17	111.18	26.268		
16,700.00	7,256.76	10,421.00	7,278.26	276.93	76.50	95.03	178.37	-11,197.73	2,820.75	2,709.15	111.59	25.277		
16,800.00	7,256.94	10,421.00	7,278.26	279.75	76.50	95.03	178.37	-11,197.73	2,721.17	2,609.11	112.06	24.283		
16,900.00	7,257.12	10,421.00	7,278.26	282.57	76.50	95.03	178.37	-11,197.73	2,621.63	2,509.04	112.59	23.285		
17,000.00	7,257.30	10,421.00	7,278.26	285.40	76.50	95.03	178.37	-11,197.73	2,522.13	2,408.94	113.18	22.283		
17,100.00	7,257.49	10,421.00	7,278.26	288.22	76.50	95.03	178.37	-11,197.73	2,422.66	2,308.80	113.86	21.277		
17,200.00	7,257.67	10,429.15	7,278.16	291.04	76.65	95.17	170.24	-11,198.31	2,323.23	2,208.86	114.37	20.312		
17,300.00	7,257.85	10,442.49	7,278.00	293.87	76.89	95.42	156.93	-11,199.25	2,223.79	2,109.06	114.73	19.383		
17,400.00	7,258.03	10,455.53	7,277.84	296.69	77.13	95.69	143.93	-11,200.16	2,124.34	2,009.26	115.08	18.459		
17,500.00	7,258.22	10,468.27	7,277.68	299.51	77.36	96.00	131.21	-11,201.03	2,024.88	1,909.45	115.43	17.542		
17,600.00	7,258.40	10,480.74	7,277.53	302.34	77.59	96.33	118.78	-11,201.87	1,925.41	1,809.63	115.78	16.630		
17,700.00	7,258.58	10,492.92	7,277.38	305.16	77.82	96.70	106.62	-11,202.67	1,825.92	1,709.80	116.12	15.725		
17,800.00	7,258.76	10,504.85	7,277.24	307.99	78.04	97.11	94.72	-11,203.44	1,726.43	1,609.97	116.46	14.824		
17,900.00	7,258.95	10,516.60	7,277.09	310.82	78.25	97.57	83.00	-11,204.19	1,626.92	1,510.13	116.79	13.930		
18,000.00	7,259.13	10,529.66	7,276.95	313.64	78.50	98.18	69.96	-11,205.00	1,527.40	1,410.36	117.04	13.051		
18,100.00	7,259.31	10,542.16	7,276.84	316.47	78.73	98.88	57.49	-11,205.75	1,427.86	1,310.58	117.28	12.174		
18,200.00	7,259.49	10,554.13	7,276.75	319.30	78.95	99.70	45.53	-11,206.45	1,328.31	1,210.77	117.53	11.301		
18,300.00	7,259.68	10,565.62	7,276.70	322.12	79.17	100.65	34.06	-11,207.09	1,228.73	1,110.94	117.79	10.431		
18,400.00	7,259.86	10,576.64	7,276.66	324.95	79.37	101.77	23.05	-11,207.69	1,129.15	1,011.09	118.06	9.564		
18,500.00	7,260.04	10,587.23	7,276.65	327.78	79.57	103.11	12.48	-11,208.24	1,029.55	911.21	118.34	8.700		
18,600.00	7,260.22	10,597.41	7,276.65	330.61	79.76	104.73	2.31	-11,208.76	929.94	811.31	118.63	7.839		
18,700.00	7,260.41	10,607.21	7,276.67	333.44	79.94	106.71	-7.47	-11,209.24	830.32	711.37	118.95	6.981		
18,800.00	7,260.59	10,616.63	7,276.71	336.27	80.12	109.19	-16.89	-11,209.69	730.70	611.40	119.30	6.125		
18,900.00	7,260.77	10,625.72	7,276.75	339.10	80.29	112.34	-25.96	-11,210.11	631.07	511.38	119.69	5.272		
19,000.00	7,260.95	10,634.09	7,276.76	341.93	80.45	116.20	-34.33	-11,210.49	531.46	411.22	120.24	4.420		
19,025.91	7,261.00	10,636.30	7,276.76	342.66	80.49	117.43	-36.53	-11,210.59	505.65	385.26	120.39	4.200 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Merritt #6-66-9-0857CH(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 725-MWD														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
9,300.00	7,243.60	10,715.23	7,184.11	73.12	82.67	-84.04	-69.90	-10,933.93	9,948.18	9,837.35	110.83	89.764		
9,400.00	7,243.77	10,710.28	7,183.94	75.63	82.58	-83.98	-64.95	-10,934.01	9,848.41	9,737.63	110.77	88.907		
9,500.00	7,243.94	10,704.00	7,183.71	78.17	82.45	-83.90	-58.68	-10,934.11	9,748.64	9,637.95	110.69	88.072		
9,600.00	7,244.10	10,704.00	7,183.71	80.73	82.45	-83.90	-58.68	-10,934.11	9,648.87	9,538.11	110.76	87.116		
9,700.00	7,244.27	10,704.00	7,183.71	83.31	82.45	-83.90	-58.68	-10,934.11	9,549.11	9,438.28	110.83	86.159		
9,800.00	7,244.44	10,704.00	7,183.71	85.91	82.45	-83.90	-58.68	-10,934.11	9,449.35	9,338.45	110.91	85.199		
9,900.00	7,244.60	10,688.74	7,183.25	88.53	82.16	-83.72	-43.43	-10,934.38	9,349.58	9,238.96	110.62	84.518		
10,000.00	7,244.77	10,684.57	7,183.15	91.16	82.08	-83.67	-39.26	-10,934.46	9,249.82	9,139.22	110.61	83.629		
10,100.00	7,244.94	10,680.36	7,183.05	93.81	82.00	-83.62	-35.05	-10,934.53	9,150.07	9,039.48	110.59	82.739		
10,200.00	7,245.10	10,676.12	7,182.97	96.46	81.92	-83.57	-30.81	-10,934.61	9,050.31	8,939.74	110.58	81.847		
10,300.00	7,245.27	10,671.83	7,182.90	99.14	81.84	-83.52	-26.52	-10,934.70	8,950.56	8,840.00	110.56	80.953		
10,400.00	7,245.43	10,667.51	7,182.83	101.82	81.76	-83.47	-22.20	-10,934.78	8,850.81	8,740.26	110.56	80.057		
10,500.00	7,245.60	10,663.14	7,182.78	104.51	81.67	-83.42	-17.83	-10,934.87	8,751.06	8,640.52	110.55	79.160		
10,600.00	7,245.77	10,658.73	7,182.74	107.21	81.59	-83.37	-13.43	-10,934.96	8,651.32	8,540.78	110.54	78.261		
10,700.00	7,245.93	10,654.29	7,182.71	109.92	81.50	-83.32	-8.98	-10,935.05	8,551.58	8,441.03	110.54	77.361		
10,800.00	7,246.10	10,649.80	7,182.69	112.64	81.42	-83.27	-4.49	-10,935.14	8,451.84	8,341.29	110.54	76.459		
10,900.00	7,246.27	10,645.26	7,182.68	115.37	81.33	-83.22	0.04	-10,935.24	8,352.10	8,241.55	110.54	75.555		
11,000.00	7,246.43	10,640.69	7,182.68	118.10	81.24	-83.17	4.61	-10,935.33	8,252.36	8,141.81	110.55	74.650		
11,100.00	7,246.60	10,636.07	7,182.70	120.84	81.16	-83.11	9.23	-10,935.43	8,152.63	8,042.07	110.55	73.744		
11,200.00	7,246.77	10,631.41	7,182.73	123.58	81.07	-83.06	13.89	-10,935.54	8,052.90	7,942.33	110.56	72.836		
11,300.00	7,246.93	10,626.70	7,182.77	126.34	80.98	-83.01	18.59	-10,935.64	7,953.17	7,842.59	110.57	71.927		
11,340.34	7,247.00	10,624.79	7,182.79	127.45	80.94	-82.99	20.51	-10,935.69	7,912.94	7,802.36	110.58	71.560		
11,400.00	7,247.10	10,622.35	7,182.82	129.09	80.89	-80.18	22.94	-10,935.74	7,853.40	7,742.81	110.59	71.015		
11,500.00	7,247.27	10,620.05	7,182.86	131.84	80.85	-82.67	25.25	-10,935.80	7,753.47	7,642.86	110.61	70.095		
11,586.15	7,247.43	10,619.87	7,182.86	134.20	80.85	51.87	25.42	-10,935.80	7,667.33	7,556.69	110.64	69.297		
11,600.00	7,247.45	10,619.98	7,182.86	134.57	80.85	51.84	25.32	-10,935.80	7,653.48	7,542.83	110.65	69.169		
11,700.00	7,247.64	10,620.76	7,182.85	137.31	80.86	51.60	24.53	-10,935.78	7,553.49	7,442.80	110.69	68.240		
11,800.00	7,247.82	10,621.56	7,182.83	140.05	80.88	51.35	23.74	-10,935.76	7,453.50	7,342.77	110.73	67.312		
11,900.00	7,248.00	10,622.36	7,182.82	142.79	80.89	51.10	22.94	-10,935.74	7,353.52	7,242.74	110.77	66.384		
12,000.00	7,248.18	10,623.16	7,182.81	145.53	80.91	50.84	22.13	-10,935.72	7,253.53	7,142.71	110.82	65.455		
12,100.00	7,248.37	10,623.98	7,182.80	148.28	80.92	50.58	21.32	-10,935.71	7,153.54	7,042.68	110.86	64.527		
12,200.00	7,248.55	10,624.80	7,182.79	151.04	80.94	50.31	20.49	-10,935.69	7,053.55	6,942.65	110.91	63.599		
12,300.00	7,248.73	10,625.64	7,182.78	153.80	80.96	50.04	19.66	-10,935.67	6,953.57	6,842.61	110.95	62.672		
12,400.00	7,248.91	10,626.48	7,182.78	156.56	80.97	49.76	18.82	-10,935.65	6,853.58	6,742.58	111.00	61.744		
12,500.00	7,249.10	10,627.33	7,182.77	159.32	80.99	49.47	17.97	-10,935.63	6,753.59	6,642.55	111.05	60.817		
12,600.00	7,249.28	10,628.19	7,182.76	162.09	81.01	49.18	17.11	-10,935.61	6,653.61	6,542.51	111.10	59.890		
12,700.00	7,249.46	10,629.05	7,182.75	164.86	81.02	48.89	16.25	-10,935.59	6,553.62	6,442.47	111.15	58.963		
12,800.00	7,249.64	10,629.93	7,182.74	167.63	81.04	48.58	15.37	-10,935.57	6,453.64	6,342.44	111.20	58.037		
12,900.00	7,249.83	10,630.81	7,182.73	170.40	81.06	48.27	14.48	-10,935.55	6,353.65	6,242.40	111.25	57.111		
13,000.00	7,250.01	10,631.71	7,182.73	173.18	81.07	47.95	13.59	-10,935.53	6,253.67	6,142.36	111.30	56.185		
13,100.00	7,250.19	10,632.61	7,182.72	175.96	81.09	47.63	12.69	-10,935.51	6,153.68	6,042.32	111.36	55.260		
13,200.00	7,250.37	10,633.53	7,182.71	178.74	81.11	47.30	11.77	-10,935.49	6,053.70	5,942.28	111.41	54.335		
13,300.00	7,250.56	10,634.45	7,182.71	181.52	81.12	46.96	10.85	-10,935.47	5,953.71	5,842.24	111.47	53.411		
13,400.00	7,250.74	10,635.38	7,182.70	184.31	81.14	46.61	9.92	-10,935.45	5,853.73	5,742.20	111.53	52.487		
13,500.00	7,250.92	10,636.33	7,182.70	187.09	81.16	46.26	8.97	-10,935.43	5,753.75	5,642.16	111.58	51.564		
13,600.00	7,251.10	10,637.28	7,182.69	189.88	81.18	45.90	8.02	-10,935.41	5,653.76	5,542.12	111.64	50.641		
13,700.00	7,251.29	10,638.24	7,182.69	192.67	81.20	45.52	7.06	-10,935.39	5,553.78	5,442.08	111.70	49.719		
13,800.00	7,251.47	10,639.22	7,182.69	195.47	81.22	45.14	6.08	-10,935.37	5,453.80	5,342.03	111.76	48.798		
13,900.00	7,251.65	10,640.20	7,182.68	198.26	81.23	44.75	5.10	-10,935.34	5,353.82	5,241.99	111.82	47.877		
14,000.00	7,251.83	10,641.20	7,182.68	201.05	81.25	44.35	4.10	-10,935.32	5,253.83	5,141.95	111.89	46.957		
14,100.00	7,252.01	10,642.21	7,182.68	203.85	81.27	43.94	3.10	-10,935.30	5,153.85	5,041.90	111.95	46.037		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Merritt #6-66-9-0857CH(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 725-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,252.20	10,643.22	7,182.68	206.65	81.29	43.53	2.08	-10,935.28	5,053.87	4,941.86	112.01	45.118		
14,300.00	7,252.38	10,644.25	7,182.68	209.45	81.31	43.10	1.05	-10,935.26	4,953.89	4,841.81	112.08	44.200		
14,400.00	7,252.56	10,645.29	7,182.68	212.25	81.33	42.66	0.01	-10,935.24	4,853.91	4,741.77	112.14	43.283		
14,500.00	7,252.74	10,646.35	7,182.68	215.05	81.35	42.20	-1.05	-10,935.21	4,753.93	4,641.72	112.21	42.367		
14,600.00	7,252.93	10,647.41	7,182.68	217.86	81.37	41.74	-2.11	-10,935.19	4,653.96	4,541.68	112.28	41.451		
14,700.00	7,253.11	10,648.49	7,182.68	220.66	81.39	41.27	-3.19	-10,935.17	4,553.98	4,441.63	112.34	40.536		
14,800.00	7,253.29	10,649.58	7,182.69	223.47	81.41	40.78	-4.28	-10,935.15	4,454.00	4,341.59	112.41	39.622		
14,900.00	7,253.47	10,650.68	7,182.69	226.27	81.43	40.28	-5.38	-10,935.12	4,354.02	4,241.54	112.48	38.709		
15,000.00	7,253.66	10,651.80	7,182.69	229.08	81.46	39.76	-6.50	-10,935.10	4,254.05	4,141.50	112.55	37.797		
15,100.00	7,253.84	10,652.93	7,182.70	231.89	81.48	39.24	-7.62	-10,935.08	4,154.07	4,041.45	112.62	36.886		
15,200.00	7,254.02	10,654.07	7,182.70	234.70	81.50	38.69	-8.77	-10,935.05	4,054.10	3,941.41	112.69	35.976		
15,300.00	7,254.20	10,655.22	7,182.71	237.51	81.52	38.14	-9.92	-10,935.03	3,954.13	3,841.37	112.76	35.067		
15,400.00	7,254.39	10,656.39	7,182.72	240.32	81.54	37.57	-11.09	-10,935.00	3,854.15	3,741.32	112.83	34.158		
15,500.00	7,254.57	10,657.58	7,182.73	243.13	81.57	36.98	-12.27	-10,934.98	3,754.18	3,641.28	112.90	33.251		
15,600.00	7,254.75	10,658.78	7,182.74	245.94	81.59	36.38	-13.47	-10,934.96	3,654.21	3,541.24	112.97	32.345		
15,700.00	7,254.93	10,659.99	7,182.75	248.76	81.61	35.76	-14.68	-10,934.93	3,554.24	3,441.20	113.05	31.440		
15,800.00	7,255.12	10,661.22	7,182.76	251.57	81.64	35.12	-15.91	-10,934.91	3,454.28	3,341.16	113.12	30.537		
15,900.00	7,255.30	10,662.46	7,182.77	254.39	81.66	34.46	-17.15	-10,934.88	3,354.31	3,241.12	113.19	29.634		
16,000.00	7,255.48	10,663.72	7,182.79	257.20	81.68	33.79	-18.41	-10,934.86	3,254.35	3,141.08	113.26	28.732		
16,100.00	7,255.66	10,664.99	7,182.80	260.02	81.71	33.09	-19.68	-10,934.83	3,154.38	3,041.05	113.34	27.832		
16,200.00	7,255.85	10,666.28	7,182.82	262.84	81.73	32.38	-20.97	-10,934.81	3,054.42	2,941.01	113.41	26.933		
16,300.00	7,256.03	10,667.58	7,182.83	265.65	81.76	31.64	-22.28	-10,934.78	2,954.46	2,840.98	113.48	26.035		
16,400.00	7,256.21	10,668.91	7,182.85	268.47	81.78	30.89	-23.60	-10,934.75	2,854.50	2,740.95	113.55	25.138		
16,500.00	7,256.39	10,670.25	7,182.87	271.29	81.81	30.11	-24.94	-10,934.73	2,754.55	2,640.93	113.62	24.243		
16,600.00	7,256.58	10,671.60	7,182.89	274.11	81.83	29.31	-26.29	-10,934.70	2,654.60	2,540.90	113.69	23.349		
16,700.00	7,256.76	10,672.98	7,182.91	276.93	81.86	28.48	-27.67	-10,934.68	2,554.65	2,440.89	113.76	22.456		
16,800.00	7,256.94	10,674.37	7,182.94	279.75	81.89	27.63	-29.06	-10,934.65	2,454.70	2,340.87	113.83	21.565		
16,900.00	7,257.12	10,675.78	7,182.96	282.57	81.91	26.76	-30.47	-10,934.62	2,354.76	2,240.86	113.90	20.674		
17,000.00	7,257.30	10,677.21	7,182.99	285.40	81.94	25.86	-31.90	-10,934.59	2,254.82	2,140.86	113.96	19.786		
17,100.00	7,257.49	10,678.66	7,183.02	288.22	81.97	24.93	-33.35	-10,934.57	2,154.89	2,040.86	114.02	18.898		
17,200.00	7,257.67	10,680.12	7,183.05	291.04	82.00	23.98	-34.81	-10,934.54	2,054.96	1,940.87	114.09	18.012		
17,300.00	7,257.85	10,681.61	7,183.08	293.87	82.03	23.00	-36.30	-10,934.51	1,955.04	1,840.89	114.14	17.128		
17,400.00	7,258.03	10,683.12	7,183.11	296.69	82.05	21.99	-37.81	-10,934.48	1,855.12	1,740.92	114.20	16.245		
17,500.00	7,258.22	10,684.65	7,183.15	299.51	82.08	20.95	-39.33	-10,934.46	1,755.21	1,640.97	114.25	15.363		
17,600.00	7,258.40	10,686.20	7,183.19	302.34	82.11	19.88	-40.88	-10,934.43	1,655.31	1,541.02	114.29	14.483		
17,700.00	7,258.58	10,687.77	7,183.23	305.16	82.14	18.78	-42.45	-10,934.40	1,555.43	1,441.10	114.33	13.604		
17,800.00	7,258.76	10,689.36	7,183.27	307.99	82.17	17.65	-44.04	-10,934.37	1,455.56	1,341.19	114.37	12.727		
17,900.00	7,258.95	10,690.97	7,183.31	310.82	82.21	16.49	-45.66	-10,934.34	1,355.70	1,241.31	114.39	11.851		
18,000.00	7,259.13	10,692.61	7,183.36	313.64	82.24	15.30	-47.29	-10,934.31	1,255.87	1,141.45	114.41	10.977		
18,100.00	7,259.31	10,694.27	7,183.40	316.47	82.27	14.07	-48.95	-10,934.28	1,156.06	1,041.64	114.42	10.103		
18,200.00	7,259.49	10,695.96	7,183.45	319.30	82.30	12.81	-50.64	-10,934.25	1,056.28	941.86	114.42	9.232		
18,300.00	7,259.68	10,697.66	7,183.51	322.12	82.33	11.52	-52.34	-10,934.22	956.55	842.14	114.41	8.361		
18,400.00	7,259.86	10,699.40	7,183.56	324.95	82.37	10.20	-54.08	-10,934.19	856.88	742.50	114.38	7.491		
18,500.00	7,260.04	10,701.16	7,183.62	327.78	82.40	8.84	-55.83	-10,934.16	757.29	642.94	114.35	6.623		
18,600.00	7,260.22	10,702.94	7,183.68	330.61	82.43	7.45	-57.62	-10,934.13	657.82	543.49	114.32	5.754		
18,700.00	7,260.41	10,704.75	7,183.74	333.44	82.47	6.03	-59.43	-10,934.10	558.53	444.19	114.34	4.885		
18,800.00	7,260.59	10,706.59	7,183.81	336.27	82.50	4.58	-61.27	-10,934.07	459.54	345.05	114.49	4.014		
18,900.00	7,260.77	10,708.46	7,183.88	339.10	82.54	3.10	-63.13	-10,934.04	361.10	246.05	115.05	3.139		
19,000.00	7,260.95	10,710.35	7,183.95	341.93	82.58	1.59	-65.02	-10,934.01	263.83	146.91	116.93	2.256		
19,025.91	7,261.00	10,710.85	7,183.97	342.66	82.59	1.19	-65.52	-10,934.00	238.99	121.08	117.91	2.027	CC, ES, SF	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Merritt 6-66-9-0857BH(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 726-MWD															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
9,500.00	7,243.94	10,385.35	7,109.59	78.17	79.02	-75.25	60.18	-11,120.13	9,934.04	9,826.23	107.80	92.148			
9,600.00	7,244.10	10,373.97	7,109.52	80.73	78.80	-74.94	71.57	-11,120.18	9,834.20	9,726.61	107.59	91.402			
9,700.00	7,244.27	10,362.84	7,109.42	83.31	78.58	-74.63	82.70	-11,120.22	9,734.36	9,626.97	107.39	90.646			
9,800.00	7,244.44	10,356.00	7,109.34	85.91	78.45	-74.43	89.53	-11,120.24	9,634.52	9,527.23	107.28	89.805			
9,900.00	7,244.60	10,350.41	7,109.28	88.53	78.34	-74.26	95.13	-11,120.26	9,534.67	9,427.47	107.21	88.936			
10,000.00	7,244.77	10,346.31	7,109.24	91.16	78.27	-74.14	99.23	-11,120.27	9,434.83	9,327.66	107.17	88.036			
10,100.00	7,244.94	10,342.19	7,109.20	93.81	78.19	-74.01	103.35	-11,120.29	9,334.99	9,227.86	107.13	87.134			
10,200.00	7,245.10	10,338.04	7,109.17	96.46	78.11	-73.88	107.49	-11,120.30	9,235.15	9,128.05	107.10	86.230			
10,300.00	7,245.27	10,333.87	7,109.14	99.14	78.03	-73.75	111.67	-11,120.32	9,135.31	9,028.25	107.07	85.325			
10,400.00	7,245.43	10,329.67	7,109.12	101.82	77.95	-73.62	115.86	-11,120.33	9,035.48	8,928.44	107.03	84.418			
10,500.00	7,245.60	10,325.45	7,109.10	104.51	77.87	-73.49	120.08	-11,120.35	8,935.64	8,828.64	107.00	83.509			
10,600.00	7,245.77	10,321.21	7,109.08	107.21	77.79	-73.35	124.32	-11,120.37	8,835.80	8,728.83	106.97	82.598			
10,700.00	7,245.93	10,316.94	7,109.08	109.92	77.71	-73.21	128.59	-11,120.39	8,735.97	8,629.02	106.95	81.686			
10,800.00	7,246.10	10,312.65	7,109.07	112.64	77.62	-73.07	132.88	-11,120.41	8,636.14	8,529.22	106.92	80.773			
10,900.00	7,246.27	10,308.33	7,109.08	115.37	77.54	-72.92	137.20	-11,120.43	8,536.30	8,429.41	106.89	79.858			
11,000.00	7,246.43	10,303.99	7,109.08	118.10	77.46	-72.77	141.55	-11,120.45	8,436.47	8,329.60	106.87	78.941			
11,100.00	7,246.60	10,299.62	7,109.10	120.84	77.37	-72.62	145.91	-11,120.47	8,336.64	8,229.79	106.85	78.023			
11,200.00	7,246.77	10,295.22	7,109.11	123.58	77.29	-72.47	150.31	-11,120.49	8,236.81	8,129.98	106.83	77.104			
11,300.00	7,246.93	10,290.80	7,109.14	126.34	77.21	-72.31	154.73	-11,120.51	8,136.99	8,030.18	106.81	76.183			
11,340.34	7,247.00	10,289.01	7,109.15	127.45	77.17	-72.25	156.52	-11,120.52	8,096.71	7,989.91	106.80	75.811			
11,400.00	7,247.10	10,286.85	7,109.16	129.09	77.13	-72.15	158.69	-11,120.54	8,037.13	7,930.33	106.80	75.256			
11,500.00	7,247.27	10,285.41	7,109.17	131.84	77.10	-72.05	160.12	-11,120.54	7,937.17	7,830.35	106.81	74.309			
11,586.15	7,247.43	10,286.40	7,109.17	134.20	77.12	-71.95	159.13	-11,120.54	7,851.05	7,744.20	106.85	73.477			
11,600.00	7,247.45	10,286.73	7,109.16	134.57	77.13	-71.85	158.80	-11,120.54	7,837.20	7,730.34	106.86	73.342			
11,700.00	7,247.64	10,289.09	7,109.15	137.31	77.17	-71.75	156.44	-11,120.52	7,737.26	7,630.35	106.92	72.367			
11,800.00	7,247.82	10,291.46	7,109.13	140.05	77.22	-71.65	154.07	-11,120.51	7,637.33	7,530.35	106.98	71.392			
11,900.00	7,248.00	10,293.85	7,109.12	142.79	77.26	-71.55	151.68	-11,120.50	7,537.39	7,430.35	107.04	70.417			
12,000.00	7,248.18	10,296.25	7,109.11	145.53	77.31	-71.45	149.28	-11,120.49	7,437.45	7,330.35	107.10	69.443			
12,100.00	7,248.37	10,298.67	7,109.10	148.28	77.36	-71.35	146.86	-11,120.47	7,337.52	7,230.35	107.17	68.469			
12,200.00	7,248.55	10,301.10	7,109.09	151.04	77.40	-71.25	144.43	-11,120.46	7,237.58	7,130.35	107.23	67.495			
12,300.00	7,248.73	10,303.55	7,109.08	153.80	77.45	-71.15	141.98	-11,120.45	7,137.65	7,030.35	107.30	66.522			
12,400.00	7,248.91	10,306.01	7,109.08	156.56	77.50	-71.05	139.52	-11,120.44	7,037.72	6,930.35	107.37	65.549			
12,500.00	7,249.10	10,308.49	7,109.08	159.32	77.54	-70.95	137.04	-11,120.43	6,937.78	6,830.35	107.44	64.576			
12,600.00	7,249.28	10,310.98	7,109.07	162.09	77.59	-70.85	134.55	-11,120.41	6,837.85	6,730.35	107.51	63.605			
12,700.00	7,249.46	10,313.49	7,109.07	164.86	77.64	-70.75	132.04	-11,120.40	6,737.92	6,630.35	107.58	62.633			
12,800.00	7,249.64	10,316.01	7,109.08	167.63	77.69	-70.65	129.52	-11,120.39	6,637.99	6,530.34	107.65	61.662			
12,900.00	7,249.83	10,318.55	7,109.08	170.40	77.74	-70.55	126.98	-11,120.38	6,538.07	6,430.34	107.73	60.692			
13,000.00	7,250.01	10,321.11	7,109.08	173.18	77.78	-70.45	124.43	-11,120.37	6,438.14	6,330.34	107.80	59.723			
13,100.00	7,250.19	10,323.68	7,109.09	175.96	77.83	-70.35	121.86	-11,120.36	6,338.21	6,230.33	107.88	58.754			
13,200.00	7,250.37	10,326.26	7,109.10	178.74	77.88	-70.25	119.27	-11,120.35	6,238.29	6,130.33	107.96	57.786			
13,300.00	7,250.56	10,328.87	7,109.11	181.52	77.93	-70.15	116.66	-11,120.34	6,138.36	6,030.33	108.04	56.818			
13,400.00	7,250.74	10,331.49	7,109.13	184.31	77.98	-70.05	114.04	-11,120.33	6,038.44	5,930.32	108.12	55.852			
13,500.00	7,250.92	10,334.13	7,109.14	187.09	78.03	-69.95	111.41	-11,120.32	5,938.52	5,830.32	108.20	54.886			
13,600.00	7,251.10	10,336.78	7,109.16	189.88	78.08	-69.85	108.75	-11,120.31	5,838.60	5,730.32	108.28	53.921			
13,700.00	7,251.29	10,339.45	7,109.18	192.67	78.14	-69.75	106.08	-11,120.30	5,738.68	5,630.31	108.36	52.957			
13,800.00	7,251.47	10,342.14	7,109.20	195.47	78.19	-69.65	103.40	-11,120.29	5,638.76	5,530.31	108.45	51.994			
13,900.00	7,251.65	10,344.84	7,109.22	198.26	78.24	-69.55	100.69	-11,120.28	5,538.84	5,430.31	108.54	51.032			
14,000.00	7,251.83	10,347.57	7,109.25	201.05	78.29	-69.45	97.97	-11,120.27	5,438.93	5,330.31	108.62	50.071			
14,100.00	7,252.01	10,350.31	7,109.28	203.85	78.34	-69.35	95.23	-11,120.26	5,339.02	5,230.30	108.71	49.111			
14,200.00	7,252.20	10,353.06	7,109.31	206.65	78.40	-69.25	92.47	-11,120.25	5,239.10	5,130.30	108.80	48.153			
14,300.00	7,252.38	10,355.84	7,109.34	209.45	78.45	-69.15	89.70	-11,120.24	5,139.19	5,030.30	108.89	47.195			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 726-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,252.56	10,360.01	7,109.39	212.25	78.53	47.37	85.53	-11,120.23	5,039.29	4,930.26	109.02	46.222		
14,500.00	7,252.74	10,364.20	7,109.43	215.05	78.61	46.61	81.34	-11,120.21	4,939.38	4,830.22	109.16	45.250		
14,600.00	7,252.93	10,368.33	7,109.47	217.86	78.69	45.85	77.21	-11,120.20	4,839.47	4,730.18	109.29	44.281		
14,700.00	7,253.11	10,372.40	7,109.51	220.66	78.77	45.07	73.14	-11,120.18	4,739.57	4,630.15	109.42	43.315		
14,800.00	7,253.29	10,376.41	7,109.54	223.47	78.84	44.28	69.13	-11,120.17	4,639.66	4,530.11	109.55	42.352		
14,900.00	7,253.47	10,380.36	7,109.56	226.27	78.92	43.48	65.17	-11,120.15	4,539.76	4,430.08	109.68	41.391		
15,000.00	7,253.66	10,384.26	7,109.58	229.08	78.99	42.67	61.28	-11,120.13	4,439.86	4,330.05	109.81	40.433		
15,100.00	7,253.84	10,388.10	7,109.60	231.89	79.07	41.85	57.43	-11,120.12	4,339.96	4,230.03	109.94	39.477		
15,200.00	7,254.02	10,391.89	7,109.61	234.70	79.14	41.02	53.65	-11,120.10	4,240.06	4,130.00	110.06	38.525		
15,300.00	7,254.20	10,395.63	7,109.62	237.51	79.21	40.17	49.91	-11,120.08	4,140.17	4,029.99	110.19	37.575		
15,400.00	7,254.39	10,399.31	7,109.63	240.32	79.28	39.32	46.23	-11,120.06	4,040.28	3,929.97	110.31	36.627		
15,500.00	7,254.57	10,402.94	7,109.63	243.13	79.35	38.46	42.59	-11,120.04	3,940.39	3,829.96	110.43	35.682		
15,600.00	7,254.75	10,406.53	7,109.63	245.94	79.42	37.59	39.01	-11,120.02	3,840.50	3,729.95	110.55	34.740		
15,700.00	7,254.93	10,410.06	7,109.62	248.76	79.49	36.71	35.47	-11,120.00	3,740.62	3,629.95	110.67	33.800		
15,800.00	7,255.12	10,413.55	7,109.61	251.57	79.56	35.81	31.99	-11,119.98	3,640.74	3,529.95	110.79	32.863		
15,900.00	7,255.30	10,416.99	7,109.60	254.39	79.62	34.92	28.55	-11,119.96	3,540.86	3,429.96	110.90	31.928		
16,000.00	7,255.48	10,420.38	7,109.59	257.20	79.69	34.01	25.15	-11,119.93	3,440.99	3,329.98	111.01	30.996		
16,100.00	7,255.66	10,423.73	7,109.57	260.02	79.75	33.09	21.80	-11,119.91	3,341.13	3,230.00	111.13	30.066		
16,200.00	7,255.85	10,427.04	7,109.55	262.84	79.82	32.17	18.50	-11,119.89	3,241.27	3,130.03	111.24	29.139		
16,300.00	7,256.03	10,430.30	7,109.53	265.65	79.88	31.24	15.23	-11,119.87	3,141.41	3,030.07	111.34	28.214		
16,400.00	7,256.21	10,433.52	7,109.51	268.47	79.94	30.31	12.01	-11,119.84	3,041.56	2,930.11	111.45	27.291		
16,500.00	7,256.39	10,436.70	7,109.48	271.29	80.00	29.37	8.83	-11,119.82	2,941.72	2,830.17	111.55	26.371		
16,600.00	7,256.58	10,439.84	7,109.45	274.11	80.06	28.42	5.70	-11,119.79	2,841.89	2,730.24	111.65	25.453		
16,700.00	7,256.76	10,442.94	7,109.42	276.93	80.12	27.47	2.60	-11,119.77	2,742.07	2,630.32	111.75	24.538		
16,800.00	7,256.94	10,446.00	7,109.39	279.75	80.18	26.51	-0.46	-11,119.75	2,642.25	2,530.41	111.84	23.624		
16,900.00	7,257.12	10,449.02	7,109.35	282.57	80.24	25.55	-3.48	-11,119.72	2,542.45	2,430.52	111.94	22.714		
17,000.00	7,257.30	10,452.00	7,109.32	285.40	80.30	24.59	-6.47	-11,119.70	2,442.66	2,330.64	112.02	21.805		
17,100.00	7,257.49	10,454.95	7,109.28	288.22	80.35	23.63	-9.41	-11,119.67	2,342.89	2,230.78	112.11	20.899		
17,200.00	7,257.67	10,457.86	7,109.24	291.04	80.41	22.66	-12.32	-11,119.65	2,243.13	2,130.94	112.19	19.994		
17,300.00	7,257.85	10,460.74	7,109.20	293.87	80.47	21.69	-15.20	-11,119.62	2,143.39	2,031.12	112.26	19.092		
17,400.00	7,258.03	10,463.57	7,109.15	296.69	80.52	20.72	-18.03	-11,119.60	2,043.67	1,931.34	112.34	18.193		
17,500.00	7,258.22	10,466.36	7,109.10	299.51	80.57	20.62	-18.32	-11,119.57	1,943.99	1,831.68	112.40	17.310		
17,600.00	7,258.40	10,469.11	7,109.05	302.34	80.62	19.75	-20.85	-11,119.54	1,844.33	1,731.97	112.46	16.415		
17,700.00	7,258.58	10,468.94	7,109.12	305.16	80.62	18.86	-23.40	-11,119.57	1,744.70	1,632.30	112.40	15.522		
17,800.00	7,258.76	10,471.51	7,109.09	307.99	80.67	17.95	-25.97	-11,119.55	1,645.12	1,532.67	112.45	14.630		
17,900.00	7,258.95	10,474.12	7,109.06	310.82	80.73	17.02	-28.58	-11,119.53	1,545.59	1,433.09	112.50	13.739		
18,000.00	7,259.13	10,476.74	7,109.03	313.64	80.78	16.08	-31.20	-11,119.51	1,446.11	1,333.57	112.54	12.849		
18,100.00	7,259.31	10,479.40	7,109.01	316.47	80.83	15.11	-33.86	-11,119.50	1,346.71	1,234.12	112.59	11.961		
18,200.00	7,259.49	10,482.08	7,108.98	319.30	80.88	14.13	-36.54	-11,119.48	1,247.40	1,134.75	112.65	11.073		
18,300.00	7,259.68	10,484.79	7,108.95	322.12	80.93	13.13	-39.25	-11,119.46	1,148.20	1,035.47	112.72	10.186		
18,400.00	7,259.86	10,487.53	7,108.92	324.95	80.98	12.11	-41.99	-11,119.44	1,049.14	936.32	112.82	9.299		
18,500.00	7,260.04	10,490.30	7,108.89	327.78	81.04	11.07	-44.76	-11,119.43	950.27	837.30	112.97	8.412		
18,600.00	7,260.22	10,493.10	7,108.87	330.61	81.09	10.01	-47.56	-11,119.41	851.66	738.46	113.20	7.523		
18,700.00	7,260.41	10,495.93	7,108.84	333.44	81.15	8.94	-50.38	-11,119.39	753.41	639.83	113.58	6.633		
18,800.00	7,260.59	10,498.78	7,108.81	336.27	81.20	7.85	-53.24	-11,119.38	655.67	541.44	114.23	5.740		
18,900.00	7,260.77	10,501.67	7,108.78	339.10	81.26	6.74	-56.13	-11,119.36	558.71	443.36	115.35	4.844		
19,000.00	7,260.95	10,504.59	7,108.76	341.93	81.31	5.62	-59.05	-11,119.35	463.03	345.67	117.36	3.945		
19,025.91	7,261.00	10,505.35	7,108.75	342.66	81.33	5.32	-59.81	-11,119.34	438.55	320.44	118.11	3.713 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-143.90	-2,507.82	-1,828.40	3,103.65					
100.00	100.00	79.00	79.00	3.28	3.56	-143.90	-2,507.82	-1,828.40	3,103.58	3,096.73	6.84	453.554		
200.00	200.00	179.00	179.00	3.34	5.57	-143.90	-2,507.82	-1,828.40	3,103.58	3,094.67	8.91	348.392		
300.00	299.98	278.98	278.98	3.44	8.64	125.39	-2,507.82	-1,828.40	3,104.59	3,092.50	12.08	256.938		
400.00	399.84	378.84	378.84	3.60	11.94	125.42	-2,507.82	-1,828.40	3,107.62	3,092.09	15.54	200.007		
500.00	499.45	478.45	478.45	3.81	15.31	125.47	-2,507.82	-1,828.40	3,112.69	3,093.58	19.12	162.839		
600.00	598.70	577.70	577.70	4.05	18.71	125.54	-2,507.82	-1,828.40	3,119.80	3,097.04	22.76	137.063		
700.00	697.47	676.47	676.47	4.34	22.11	125.62	-2,507.82	-1,828.40	3,128.98	3,102.53	26.45	118.291		
800.00	795.62	774.62	774.62	4.66	25.51	125.71	-2,507.82	-1,828.40	3,140.24	3,110.07	30.17	104.087		
849.22	843.68	822.68	822.68	4.84	27.17	125.77	-2,507.82	-1,828.40	3,146.56	3,114.55	32.01	98.309		
900.00	893.16	872.16	872.16	5.02	28.89	125.93	-2,507.82	-1,828.40	3,153.36	3,119.45	33.91	93.002		
1,000.00	990.60	969.60	969.60	5.41	32.27	126.25	-2,507.82	-1,828.40	3,166.82	3,129.15	37.67	84.073		
1,100.00	1,088.05	1,067.05	1,067.05	5.83	35.66	126.58	-2,507.82	-1,828.40	3,180.38	3,138.92	41.45	76.724		
1,200.00	1,185.49	1,164.49	1,164.49	6.26	39.04	126.89	-2,507.82	-1,828.40	3,194.04	3,148.78	45.26	70.578		
1,300.00	1,282.93	1,261.93	1,261.93	6.70	42.44	127.21	-2,507.82	-1,828.40	3,207.80	3,158.73	49.07	65.366		
1,400.00	1,380.37	1,359.37	1,359.37	7.15	45.83	127.52	-2,507.82	-1,828.40	3,221.66	3,168.76	52.90	60.896		
1,500.00	1,477.82	1,456.82	1,456.82	7.62	49.22	127.83	-2,507.82	-1,828.40	3,235.62	3,178.87	56.74	57.020		
1,600.00	1,575.26	1,554.26	1,554.26	8.09	52.62	128.14	-2,507.82	-1,828.40	3,249.67	3,189.07	60.59	53.631		
1,700.00	1,672.70	1,651.70	1,651.70	8.57	56.01	128.45	-2,507.82	-1,828.40	3,263.81	3,199.36	64.45	50.643		
1,800.00	1,770.15	1,749.15	1,749.15	9.05	59.41	128.75	-2,507.82	-1,828.40	3,278.05	3,209.74	68.31	47.989		
1,900.00	1,867.59	1,846.59	1,846.59	9.54	62.80	129.05	-2,507.82	-1,828.40	3,292.38	3,220.21	72.17	45.618		
2,000.00	1,965.03	1,944.03	1,944.03	10.03	66.20	129.35	-2,507.82	-1,828.40	3,306.80	3,230.76	76.04	43.487		
2,100.00	2,062.48	2,041.48	2,041.48	10.53	69.60	129.64	-2,507.82	-1,828.40	3,321.31	3,241.40	79.91	41.561		
2,200.00	2,159.92	2,138.92	2,138.92	11.03	73.00	129.94	-2,507.82	-1,828.40	3,335.91	3,252.12	83.79	39.814		
2,300.00	2,257.36	2,236.36	2,236.36	11.53	76.40	130.23	-2,507.82	-1,828.40	3,350.60	3,262.93	87.66	38.221		
2,400.00	2,354.81	2,333.81	2,333.81	12.03	79.80	130.51	-2,507.82	-1,828.40	3,365.37	3,273.82	91.54	36.762		
2,500.00	2,452.25	2,431.25	2,431.25	12.54	83.19	130.80	-2,507.82	-1,828.40	3,380.22	3,284.80	95.42	35.423		
2,600.00	2,549.69	2,528.69	2,528.69	13.04	86.59	131.08	-2,507.82	-1,828.40	3,395.16	3,295.86	99.31	34.189		
2,700.00	2,647.13	2,626.13	2,626.13	13.55	89.99	131.36	-2,507.82	-1,828.40	3,410.19	3,307.00	103.19	33.048		
2,800.00	2,744.58	2,723.58	2,723.58	14.06	93.39	131.64	-2,507.82	-1,828.40	3,425.29	3,318.22	107.07	31.990		
2,900.00	2,842.02	2,821.02	2,821.02	14.57	96.79	131.92	-2,507.82	-1,828.40	3,440.48	3,329.52	110.96	31.007		
3,000.00	2,939.46	2,918.46	2,918.46	15.09	100.19	132.19	-2,507.82	-1,828.40	3,455.74	3,340.90	114.84	30.091		
3,100.00	3,036.91	3,015.91	3,015.91	15.60	103.59	132.46	-2,507.82	-1,828.40	3,471.08	3,352.35	118.73	29.235		
3,200.00	3,134.35	3,113.35	3,113.35	16.11	106.99	132.73	-2,507.82	-1,828.40	3,486.50	3,363.89	122.62	28.434		
3,300.00	3,231.79	3,210.79	3,210.79	16.63	110.39	133.00	-2,507.82	-1,828.40	3,502.00	3,375.49	126.50	27.683		
3,400.00	3,329.24	3,308.24	3,308.24	17.14	113.79	133.26	-2,507.82	-1,828.40	3,517.57	3,387.18	130.39	26.977		
3,500.00	3,426.68	3,405.68	3,405.68	17.66	117.19	133.52	-2,507.82	-1,828.40	3,533.21	3,398.93	134.28	26.313		
3,600.00	3,524.12	3,503.12	3,503.12	18.18	120.59	133.78	-2,507.82	-1,828.40	3,548.93	3,410.77	138.17	25.686		
3,700.00	3,621.57	3,600.57	3,600.57	18.69	123.99	134.04	-2,507.82	-1,828.40	3,564.72	3,422.67	142.05	25.094		
3,800.00	3,719.01	3,701.99	3,701.99	19.21	127.53	134.29	-2,507.82	-1,828.40	3,580.58	3,434.50	146.08	24.511		
3,900.00	3,816.45	3,804.55	3,804.55	19.73	131.11	134.55	-2,507.82	-1,828.40	3,596.52	3,446.37	150.15	23.953		
4,000.00	3,913.90	3,901.10	3,901.10	20.25	134.69	134.80	-2,507.82	-1,828.40	3,612.52	3,458.30	154.22	23.425		
4,100.00	4,011.34	4,009.66	4,009.66	20.77	138.27	135.05	-2,507.82	-1,828.40	3,628.59	3,470.31	158.28	22.925		
4,200.00	4,108.78	4,087.78	4,087.78	21.29	141.00	135.29	-2,507.82	-1,828.40	3,644.73	3,483.23	161.50	22.568		
4,300.00	4,206.22	4,185.22	4,185.22	21.81	144.40	135.54	-2,507.82	-1,828.40	3,660.93	3,495.55	165.39	22.136		
4,400.00	4,303.67	4,282.67	4,282.67	22.33	147.80	135.78	-2,507.82	-1,828.40	3,677.20	3,507.93	169.27	21.723		
4,500.00	4,401.11	4,380.11	4,380.11	22.85	151.20	136.02	-2,507.82	-1,828.40	3,693.54	3,520.38	173.16	21.330		
4,600.00	4,498.55	4,477.55	4,477.55	23.37	154.60	136.26	-2,507.82	-1,828.40	3,709.94	3,532.89	177.05	20.954		
4,700.00	4,596.00	4,575.00	4,575.00	23.89	158.00	136.49	-2,507.82	-1,828.40	3,726.40	3,545.47	180.94	20.595		
4,800.00	4,693.44	4,672.44	4,672.44	24.41	161.40	136.73	-2,507.82	-1,828.40	3,742.93	3,558.10	184.83	20.251		
4,900.00	4,790.88	4,769.88	4,769.88	24.93	164.80	136.96	-2,507.82	-1,828.40	3,759.52	3,570.80	188.71	19.922		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,867.33	4,867.33	25.46	168.21	137.19	-2,507.82	-1,828.40	3,776.17	3,583.56	192.60	19.606		
5,100.00	4,985.77	4,964.77	4,964.77	25.98	171.61	137.42	-2,507.82	-1,828.40	3,792.87	3,596.38	196.49	19.303		
5,200.00	5,083.21	5,062.21	5,062.21	26.50	175.01	137.64	-2,507.82	-1,828.40	3,809.64	3,609.26	200.38	19.012		
5,300.00	5,180.66	5,159.66	5,159.66	27.02	178.41	137.87	-2,507.82	-1,828.40	3,826.47	3,622.20	204.27	18.733		
5,400.00	5,278.10	5,257.10	5,257.10	27.55	181.81	138.09	-2,507.82	-1,828.40	3,843.35	3,635.20	208.15	18.464		
5,500.00	5,375.54	5,354.54	5,354.54	28.07	185.21	138.31	-2,507.82	-1,828.40	3,860.29	3,648.25	212.04	18.206		
5,582.90	5,456.32	5,435.32	5,435.32	28.50	188.03	138.49	-2,507.82	-1,828.40	3,874.38	3,659.12	215.26	17.998		
5,600.00	5,473.00	5,452.00	5,452.00	28.59	188.61	138.57	-2,507.82	-1,828.40	3,877.25	3,661.33	215.93	17.956		
5,700.00	5,570.93	5,549.93	5,549.93	29.10	192.03	138.96	-2,507.82	-1,828.40	3,892.56	3,672.74	219.82	17.708		
5,800.00	5,669.52	5,648.52	5,648.52	29.57	195.47	139.29	-2,507.82	-1,828.40	3,905.31	3,681.59	223.72	17.456		
5,900.00	5,768.62	5,747.62	5,747.62	30.03	198.93	139.55	-2,507.82	-1,828.40	3,915.45	3,687.83	227.62	17.202		
6,000.00	5,868.13	5,847.13	5,847.13	30.45	202.40	139.74	-2,507.82	-1,828.40	3,922.95	3,691.43	231.52	16.944		
6,100.00	5,967.93	5,946.93	5,946.93	30.86	205.89	139.86	-2,507.82	-1,828.40	3,927.81	3,692.40	235.41	16.685		
6,200.00	6,067.88	6,046.88	6,046.88	31.24	209.38	139.92	-2,507.82	-1,828.40	3,930.00	3,690.70	239.30	16.423		
6,232.12	6,100.00	6,079.00	6,079.00	31.36	210.50	-129.37	-2,507.82	-1,828.40	3,930.14	3,689.60	240.54	16.339		
6,300.00	6,167.88	6,146.88	6,146.88	31.61	212.87	-129.37	-2,507.82	-1,828.40	3,930.14	3,686.98	243.16	16.163		
6,400.00	6,267.88	6,246.88	6,246.88	31.97	216.36	-129.37	-2,507.82	-1,828.40	3,930.14	3,683.12	247.02	15.910		
6,500.00	6,367.88	6,346.88	6,346.88	32.34	219.85	-129.37	-2,507.82	-1,828.40	3,930.14	3,679.26	250.88	15.665		
6,600.00	6,467.88	6,446.88	6,446.88	32.70	223.34	-129.37	-2,507.82	-1,828.40	3,930.14	3,675.39	254.75	15.428		
6,700.00	6,567.88	6,546.88	6,546.88	33.07	226.83	-129.37	-2,507.82	-1,828.40	3,930.14	3,671.53	258.61	15.197		
6,736.50	6,604.38	6,583.38	6,583.38	33.21	228.10	-129.37	-2,507.82	-1,828.40	3,930.14	3,670.12	260.02	15.115		
6,750.00	6,617.88	6,603.12	6,596.88	33.25	228.79	-42.28	-2,507.82	-1,828.40	3,930.03	3,669.27	260.76	15.071		
6,800.00	6,667.77	6,646.77	6,646.77	33.43	230.32	-42.45	-2,507.82	-1,828.40	3,927.80	3,665.34	262.46	14.966		
6,850.00	6,717.28	6,703.72	6,696.28	33.60	232.31	-42.83	-2,507.82	-1,828.40	3,922.68	3,658.07	264.61	14.824		
6,900.00	6,766.09	6,745.09	6,745.09	33.79	233.75	-43.43	-2,507.82	-1,828.40	3,914.72	3,648.49	266.22	14.705		
6,950.00	6,813.90	6,807.10	6,792.90	33.99	235.91	-44.26	-2,507.82	-1,828.40	3,903.97	3,635.42	268.55	14.537		
7,000.00	6,860.42	6,839.42	6,839.42	34.20	237.04	-45.33	-2,507.82	-1,828.40	3,890.53	3,620.69	269.84	14.418		
7,050.00	6,905.36	6,884.36	6,884.36	34.42	238.61	-46.65	-2,507.82	-1,828.40	3,874.50	3,602.92	271.58	14.266		
7,100.00	6,948.45	6,927.45	6,927.45	34.67	240.11	-48.22	-2,507.82	-1,828.40	3,856.01	3,582.76	273.26	14.111		
7,150.00	6,989.41	6,968.41	6,968.41	34.94	241.54	-50.07	-2,507.82	-1,828.40	3,835.21	3,560.34	274.87	13.953		
7,200.00	7,028.00	7,007.00	7,007.00	35.24	242.89	-52.20	-2,507.82	-1,828.40	3,812.25	3,535.85	276.41	13.792		
7,250.00	7,063.98	7,042.98	7,042.98	35.56	244.15	-54.63	-2,507.82	-1,828.40	3,787.33	3,509.46	277.87	13.630		
7,300.00	7,097.13	7,076.13	7,076.13	35.92	245.30	-57.36	-2,507.82	-1,828.40	3,760.63	3,481.37	279.25	13.467		
7,350.00	7,127.23	7,106.23	7,106.23	36.32	246.36	-60.38	-2,507.82	-1,828.40	3,732.35	3,451.80	280.55	13.304		
7,400.00	7,154.12	7,133.12	7,133.12	36.75	247.29	-63.69	-2,507.82	-1,828.40	3,702.72	3,420.96	281.76	13.141		
7,450.00	7,177.61	7,156.61	7,156.61	37.22	248.11	-67.25	-2,507.82	-1,828.40	3,671.97	3,389.08	282.88	12.980		
7,500.00	7,197.57	7,176.57	7,176.57	37.73	248.81	-71.04	-2,507.82	-1,828.40	3,640.31	3,356.39	283.92	12.822		
7,550.00	7,213.88	7,207.12	7,192.88	38.28	249.88	-74.99	-2,507.82	-1,828.40	3,607.99	3,322.64	285.35	12.644		
7,600.00	7,226.42	7,205.42	7,205.42	38.87	249.82	-79.04	-2,507.82	-1,828.40	3,575.24	3,289.54	285.70	12.514		
7,650.00	7,235.13	7,214.13	7,214.13	39.48	250.12	-83.11	-2,507.82	-1,828.40	3,542.28	3,255.84	286.44	12.367		
7,700.00	7,239.95	7,218.95	7,218.95	40.12	250.29	-87.14	-2,507.82	-1,828.40	3,509.36	3,222.28	287.08	12.224		
7,735.44	7,241.00	7,220.00	7,220.00	40.59	250.33	-89.92	-2,507.82	-1,828.40	3,486.17	3,198.70	287.47	12.127		
7,800.00	7,241.11	7,220.11	7,220.11	41.47	250.33	-89.92	-2,507.82	-1,828.40	3,444.44	3,156.27	288.16	11.953		
7,900.00	7,241.27	7,220.27	7,220.27	42.96	250.34	-89.92	-2,507.82	-1,828.40	3,381.20	3,091.82	289.38	11.684		
8,000.00	7,241.44	7,220.44	7,220.44	44.59	250.34	-89.93	-2,507.82	-1,828.40	3,319.78	3,029.02	290.77	11.417		
8,100.00	7,241.61	7,220.61	7,220.61	46.34	250.35	-89.93	-2,507.82	-1,828.40	3,260.27	2,967.95	292.32	11.153		
8,200.00	7,241.77	7,220.77	7,220.77	48.20	250.35	-89.93	-2,507.82	-1,828.40	3,202.77	2,908.73	294.04	10.892		
8,300.00	7,241.94	7,220.94	7,220.94	50.16	250.36	-89.94	-2,507.82	-1,828.40	3,147.41	2,851.48	295.93	10.636		
8,400.00	7,242.11	7,221.11	7,221.11	52.20	250.37	-89.94	-2,507.82	-1,828.40	3,094.28	2,796.32	297.96	10.385		
8,500.00	7,242.27	7,221.27	7,221.27	54.31	250.37	-89.95	-2,507.82	-1,828.40	3,043.51	2,743.37	300.15	10.140		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	7,221.44	7,221.44	56.49	250.38	-89.95	-2,507.82	-1,828.40	2,995.23	2,692.76	302.47	9.903		
8,700.00	7,242.60	7,221.60	7,221.60	58.73	250.38	-89.95	-2,507.82	-1,828.40	2,949.54	2,644.62	304.92	9.673		
8,800.00	7,242.77	7,221.77	7,221.77	61.03	250.39	-89.96	-2,507.82	-1,828.40	2,906.58	2,599.09	307.48	9.453		
8,900.00	7,242.94	7,221.94	7,221.94	63.37	250.39	-89.96	-2,507.82	-1,828.40	2,866.46	2,556.31	310.15	9.242		
9,000.00	7,243.10	7,222.10	7,222.10	65.75	250.40	-89.96	-2,507.82	-1,828.40	2,829.31	2,516.40	312.91	9.042		
9,100.00	7,243.27	7,222.27	7,222.27	68.18	250.41	-89.97	-2,507.82	-1,828.40	2,795.25	2,479.51	315.74	8.853		
9,200.00	7,243.44	7,222.44	7,222.44	70.63	250.41	-89.97	-2,507.82	-1,828.40	2,764.38	2,445.76	318.62	8.676		
9,300.00	7,243.60	7,222.60	7,222.60	73.12	250.42	-89.97	-2,507.82	-1,828.40	2,736.82	2,415.28	321.55	8.511		
9,400.00	7,243.77	7,222.77	7,222.77	75.63	250.42	-89.98	-2,507.82	-1,828.40	2,712.68	2,388.18	324.49	8.360		
9,500.00	7,243.94	7,222.94	7,222.94	78.17	250.43	-89.98	-2,507.82	-1,828.40	2,692.03	2,364.58	327.44	8.221		
9,600.00	7,244.10	7,223.10	7,223.10	80.73	250.43	-89.99	-2,507.82	-1,828.40	2,674.96	2,344.58	330.38	8.097		
9,700.00	7,244.27	7,223.27	7,223.27	83.31	250.44	-89.99	-2,507.82	-1,828.40	2,661.54	2,328.26	333.28	7.986		
9,800.00	7,244.44	7,223.44	7,223.44	85.91	250.45	-89.99	-2,507.82	-1,828.40	2,651.83	2,315.70	336.13	7.889		
9,900.00	7,244.60	7,223.60	7,223.60	88.53	250.45	-90.00	-2,507.82	-1,828.40	2,645.87	2,306.95	338.92	7.807		
10,000.00	7,244.77	7,223.77	7,223.77	91.16	250.46	-90.00	-2,507.82	-1,828.40	2,643.68	2,302.06	341.62	7.739		
10,007.98	7,244.78	7,223.78	7,223.78	91.37	250.46	-90.00	-2,507.82	-1,828.40	2,643.67	2,301.84	341.83	7.734 CC		
10,100.00	7,244.94	7,223.94	7,223.94	93.81	250.46	-90.00	-2,507.82	-1,828.40	2,645.27	2,301.05	344.22	7.685 ES		
10,200.00	7,245.10	7,224.10	7,224.10	96.46	250.47	-90.01	-2,507.82	-1,828.40	2,650.63	2,303.93	346.70	7.645		
10,300.00	7,245.27	7,224.27	7,224.27	99.14	250.48	-90.01	-2,507.82	-1,828.40	2,659.74	2,310.68	349.07	7.620		
10,400.00	7,245.43	7,224.43	7,224.43	101.82	250.48	-90.01	-2,507.82	-1,828.40	2,672.57	2,321.27	351.30	7.608 SF		
10,500.00	7,245.60	7,224.60	7,224.60	104.51	250.49	-90.02	-2,507.82	-1,828.40	2,689.06	2,335.67	353.39	7.609		
10,600.00	7,245.77	7,224.77	7,224.77	107.21	250.49	-90.02	-2,507.82	-1,828.40	2,709.14	2,353.81	355.34	7.624		
10,700.00	7,245.93	7,224.93	7,224.93	109.92	250.50	-90.02	-2,507.82	-1,828.40	2,732.74	2,375.60	357.13	7.652		
10,800.00	7,246.10	7,225.10	7,225.10	112.64	250.50	-90.03	-2,507.82	-1,828.40	2,759.76	2,400.97	358.79	7.692		
10,900.00	7,246.27	7,225.27	7,225.27	115.37	250.51	-90.03	-2,507.82	-1,828.40	2,790.10	2,429.81	360.29	7.744		
11,000.00	7,246.43	7,225.43	7,225.43	118.10	250.52	-90.04	-2,507.82	-1,828.40	2,823.66	2,462.01	361.65	7.808		
11,100.00	7,246.60	7,225.60	7,225.60	120.84	250.52	-90.04	-2,507.82	-1,828.40	2,860.33	2,497.46	362.87	7.883		
11,200.00	7,246.77	7,225.77	7,225.77	123.58	250.53	-90.04	-2,507.82	-1,828.40	2,899.98	2,536.03	363.95	7.968		
11,300.00	7,246.93	7,225.93	7,225.93	126.34	250.53	-90.05	-2,507.82	-1,828.40	2,942.49	2,577.59	364.90	8.064		
11,340.34	7,247.00	7,226.00	7,226.00	127.45	250.54	-90.05	-2,507.82	-1,828.40	2,960.43	2,595.18	365.25	8.105		
11,400.00	7,247.10	7,226.10	7,226.10	129.09	250.54	-90.05	-2,507.82	-1,828.40	2,987.20	2,621.47	365.73	8.168		
11,500.00	7,247.27	7,226.27	7,226.27	131.84	250.55	-90.05	-2,507.82	-1,828.40	3,031.72	2,665.27	366.46	8.273		
11,586.15	7,247.43	7,226.43	7,226.43	134.20	250.55	-90.05	-2,507.82	-1,828.40	3,069.69	2,702.70	366.99	8.365		
11,600.00	7,247.45	7,226.45	7,226.45	134.57	250.55	-90.05	-2,507.82	-1,828.40	3,075.79	2,708.73	367.06	8.379		
11,700.00	7,247.64	7,226.64	7,226.64	137.31	250.56	-90.06	-2,507.82	-1,828.40	3,121.30	2,753.74	367.57	8.492		
11,800.00	7,247.82	7,226.82	7,226.82	140.05	250.56	-90.06	-2,507.82	-1,828.40	3,169.32	2,801.35	367.98	8.613		
11,900.00	7,248.00	7,227.00	7,227.00	142.79	250.57	-90.06	-2,507.82	-1,828.40	3,219.73	2,851.44	368.29	8.742		
12,000.00	7,248.18	7,227.18	7,227.18	145.53	250.58	-90.07	-2,507.82	-1,828.40	3,272.41	2,903.89	368.52	8.880		
12,100.00	7,248.37	7,227.37	7,227.37	148.28	250.58	-90.07	-2,507.82	-1,828.40	3,327.27	2,958.59	368.68	9.025		
12,200.00	7,248.55	7,227.55	7,227.55	151.04	250.59	-90.07	-2,507.82	-1,828.40	3,384.20	3,015.43	368.76	9.177		
12,300.00	7,248.73	7,227.73	7,227.73	153.80	250.60	-90.08	-2,507.82	-1,828.40	3,443.09	3,074.30	368.79	9.336		
12,400.00	7,248.91	7,227.91	7,227.91	156.56	250.60	-90.08	-2,507.82	-1,828.40	3,503.84	3,135.09	368.75	9.502		
12,500.00	7,249.10	7,228.10	7,228.10	159.32	250.61	-90.09	-2,507.82	-1,828.40	3,566.36	3,197.70	368.66	9.674		
12,600.00	7,249.28	7,228.28	7,228.28	162.09	250.62	-90.09	-2,507.82	-1,828.40	3,630.56	3,262.03	368.53	9.851		
12,700.00	7,249.46	7,228.46	7,228.46	164.86	250.62	-90.09	-2,507.82	-1,828.40	3,696.36	3,328.00	368.36	10.035		
12,800.00	7,249.64	7,228.64	7,228.64	167.63	250.63	-90.10	-2,507.82	-1,828.40	3,763.66	3,395.50	368.15	10.223		
12,900.00	7,249.83	7,228.83	7,228.83	170.40	250.63	-90.10	-2,507.82	-1,828.40	3,832.38	3,464.47	367.91	10.417		
13,000.00	7,250.01	7,229.01	7,229.01	173.18	250.64	-90.10	-2,507.82	-1,828.40	3,902.46	3,534.82	367.64	10.615		
13,100.00	7,250.19	7,229.19	7,229.19	175.96	250.65	-90.11	-2,507.82	-1,828.40	3,973.82	3,606.47	367.35	10.817		
13,200.00	7,250.37	7,229.37	7,229.37	178.74	250.65	-90.11	-2,507.82	-1,828.40	4,046.39	3,679.35	367.04	11.024		
13,300.00	7,250.56	7,229.56	7,229.56	181.52	250.66	-90.12	-2,507.82	-1,828.40	4,120.12	3,753.40	366.72	11.235		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,400.00	7,250.74	7,229.74	7,229.74	184.31	250.67	-90.12	-2,507.82	-1,828.40	4,194.93	3,828.55	366.37	11.450		
13,500.00	7,250.92	7,229.92	7,229.92	187.09	250.67	-90.12	-2,507.82	-1,828.40	4,270.77	3,904.75	366.02	11.668		
13,600.00	7,251.10	7,230.10	7,230.10	189.88	250.68	-90.13	-2,507.82	-1,828.40	4,347.59	3,981.93	365.66	11.890		
13,700.00	7,251.29	7,230.29	7,230.29	192.67	250.69	-90.13	-2,507.82	-1,828.40	4,425.33	4,060.04	365.29	12.115		
13,800.00	7,251.47	7,230.47	7,230.47	195.47	250.69	-90.13	-2,507.82	-1,828.40	4,503.95	4,139.04	364.91	12.343		
13,900.00	7,251.65	7,230.65	7,230.65	198.26	250.70	-90.14	-2,507.82	-1,828.40	4,583.41	4,218.88	364.53	12.573		
14,000.00	7,251.83	7,230.83	7,230.83	201.05	250.70	-90.14	-2,507.82	-1,828.40	4,663.66	4,299.51	364.15	12.807		
14,100.00	7,252.01	7,231.01	7,231.01	203.85	250.71	-90.15	-2,507.82	-1,828.40	4,744.65	4,380.89	363.76	13.043		
14,200.00	7,252.20	7,231.20	7,231.20	206.65	250.72	-90.15	-2,507.82	-1,828.40	4,826.36	4,462.99	363.37	13.282		
14,300.00	7,252.38	7,231.38	7,231.38	209.45	250.72	-90.15	-2,507.82	-1,828.40	4,908.75	4,545.76	362.99	13.523		
14,400.00	7,252.56	7,231.56	7,231.56	212.25	250.73	-90.16	-2,507.82	-1,828.40	4,991.78	4,629.18	362.61	13.766		
14,500.00	7,252.74	7,231.74	7,231.74	215.05	250.74	-90.16	-2,507.82	-1,828.40	5,075.43	4,713.20	362.22	14.012		
14,600.00	7,252.93	7,231.93	7,231.93	217.86	250.74	-90.17	-2,507.82	-1,828.40	5,159.65	4,797.81	361.85	14.259		
14,700.00	7,253.11	7,232.11	7,232.11	220.66	250.75	-90.17	-2,507.82	-1,828.40	5,244.43	4,882.96	361.47	14.509		
14,800.00	7,253.29	7,232.29	7,232.29	223.47	250.76	-90.17	-2,507.82	-1,828.40	5,329.74	4,968.64	361.10	14.760		
14,900.00	7,253.47	7,232.47	7,232.47	226.27	250.76	-90.18	-2,507.82	-1,828.40	5,415.55	5,054.82	360.73	15.013		
15,000.00	7,253.66	7,232.66	7,232.66	229.08	250.77	-90.18	-2,507.82	-1,828.40	5,501.84	5,141.47	360.37	15.267		
15,100.00	7,253.84	7,232.84	7,232.84	231.89	250.77	-90.18	-2,507.82	-1,828.40	5,588.58	5,228.57	360.01	15.523		
15,200.00	7,254.02	7,233.02	7,233.02	234.70	250.78	-90.19	-2,507.82	-1,828.40	5,675.76	5,316.11	359.66	15.781		
15,300.00	7,254.20	7,233.20	7,233.20	237.51	250.79	-90.19	-2,507.82	-1,828.40	5,763.36	5,404.05	359.31	16.040		
15,400.00	7,254.39	7,233.39	7,233.39	240.32	250.79	-90.20	-2,507.82	-1,828.40	5,851.36	5,492.39	358.97	16.301		
15,500.00	7,254.57	7,233.57	7,233.57	243.13	250.80	-90.20	-2,507.82	-1,828.40	5,939.73	5,581.10	358.63	16.562		
15,600.00	7,254.75	7,233.75	7,233.75	245.94	250.81	-90.20	-2,507.82	-1,828.40	6,028.47	5,670.17	358.30	16.825		
15,700.00	7,254.93	7,233.93	7,233.93	248.76	250.81	-90.21	-2,507.82	-1,828.40	6,117.56	5,759.58	357.97	17.089		
15,800.00	7,255.12	7,234.12	7,234.12	251.57	250.82	-90.21	-2,507.82	-1,828.40	6,206.98	5,849.32	357.66	17.355		
15,900.00	7,255.30	7,234.30	7,234.30	254.39	250.83	-90.21	-2,507.82	-1,828.40	6,296.72	5,939.37	357.34	17.621		
16,000.00	7,255.48	7,234.48	7,234.48	257.20	250.83	-90.22	-2,507.82	-1,828.40	6,386.76	6,029.72	357.04	17.888		
16,100.00	7,255.66	7,234.66	7,234.66	260.02	250.84	-90.22	-2,507.82	-1,828.40	6,477.09	6,120.36	356.74	18.157		
16,200.00	7,255.85	7,234.85	7,234.85	262.84	250.84	-90.23	-2,507.82	-1,828.40	6,567.71	6,211.27	356.44	18.426		
16,300.00	7,256.03	7,235.03	7,235.03	265.65	250.85	-90.23	-2,507.82	-1,828.40	6,658.59	6,302.44	356.15	18.696		
16,400.00	7,256.21	7,235.21	7,235.21	268.47	250.86	-90.23	-2,507.82	-1,828.40	6,749.73	6,393.86	355.87	18.967		
16,500.00	7,256.39	7,235.39	7,235.39	271.29	250.86	-90.24	-2,507.82	-1,828.40	6,841.12	6,485.53	355.59	19.239		
16,600.00	7,256.58	7,235.58	7,235.58	274.11	250.87	-90.24	-2,507.82	-1,828.40	6,932.75	6,577.43	355.32	19.511		
16,700.00	7,256.76	7,235.76	7,235.76	276.93	250.88	-90.24	-2,507.82	-1,828.40	7,024.60	6,669.55	355.05	19.785		
16,800.00	7,256.94	7,235.94	7,235.94	279.75	250.88	-90.25	-2,507.82	-1,828.40	7,116.67	6,761.88	354.79	20.059		
16,900.00	7,257.12	7,236.12	7,236.12	282.57	250.89	-90.25	-2,507.82	-1,828.40	7,208.96	6,854.42	354.54	20.333		
17,000.00	7,257.30	7,236.30	7,236.30	285.40	250.90	-90.26	-2,507.82	-1,828.40	7,301.45	6,947.16	354.29	20.609		
17,100.00	7,257.49	7,236.49	7,236.49	288.22	250.90	-90.26	-2,507.82	-1,828.40	7,394.13	7,040.08	354.05	20.885		
17,200.00	7,257.67	7,236.67	7,236.67	291.04	250.91	-90.26	-2,507.82	-1,828.40	7,487.01	7,133.19	353.81	21.161		
17,300.00	7,257.85	7,236.85	7,236.85	293.87	250.91	-90.27	-2,507.82	-1,828.40	7,580.06	7,226.48	353.58	21.438		
17,400.00	7,258.03	7,237.03	7,237.03	296.69	250.92	-90.27	-2,507.82	-1,828.40	7,673.29	7,319.94	353.35	21.716		
17,500.00	7,258.22	7,237.22	7,237.22	299.51	250.93	-90.28	-2,507.82	-1,828.40	7,766.68	7,413.56	353.13	21.994		
17,600.00	7,258.40	7,237.40	7,237.40	302.34	250.93	-90.28	-2,507.82	-1,828.40	7,860.24	7,507.33	352.91	22.272		
17,700.00	7,258.58	7,237.58	7,237.58	305.16	250.94	-90.28	-2,507.82	-1,828.40	7,953.96	7,601.26	352.70	22.552		
17,800.00	7,258.76	7,237.76	7,237.76	307.99	250.95	-90.29	-2,507.82	-1,828.40	8,047.83	7,695.33	352.49	22.831		
17,900.00	7,258.95	7,237.95	7,237.95	310.82	250.95	-90.29	-2,507.82	-1,828.40	8,141.84	7,789.55	352.29	23.111		
18,000.00	7,259.13	7,238.13	7,238.13	313.64	250.96	-90.29	-2,507.82	-1,828.40	8,236.00	7,883.90	352.09	23.391		
18,100.00	7,259.31	7,238.31	7,238.31	316.47	250.97	-90.30	-2,507.82	-1,828.40	8,330.29	7,978.38	351.90	23.672		
18,200.00	7,259.49	7,238.49	7,238.49	319.30	250.97	-90.30	-2,507.82	-1,828.40	8,424.71	8,073.00	351.71	23.953		
18,300.00	7,259.68	7,238.68	7,238.68	322.12	250.98	-90.31	-2,507.82	-1,828.40	8,519.26	8,167.73	351.53	24.235		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
18,400.00	7,259.86	7,238.86	7,238.86	324.95	250.98	-90.31	-2,507.82	-1,828.40	8,613.93	8,262.58	351.35	24.517			
18,500.00	7,260.04	7,239.04	7,239.04	327.78	250.99	-90.31	-2,507.82	-1,828.40	8,708.72	8,357.55	351.18	24.799			
18,600.00	7,260.22	7,239.22	7,239.22	330.61	251.00	-90.32	-2,507.82	-1,828.40	8,803.63	8,452.62	351.01	25.081			
18,700.00	7,260.41	7,239.41	7,239.41	333.44	251.00	-90.32	-2,507.82	-1,828.40	8,898.65	8,547.81	350.84	25.364			
18,800.00	7,260.59	7,239.59	7,239.59	336.27	251.01	-90.32	-2,507.82	-1,828.40	8,993.78	8,643.10	350.68	25.647			
18,900.00	7,260.77	7,239.77	7,239.77	339.10	251.02	-90.33	-2,507.82	-1,828.40	9,089.01	8,738.49	350.52	25.930			
19,000.00	7,260.95	7,239.95	7,239.95	341.93	251.02	-90.33	-2,507.82	-1,828.40	9,184.34	8,833.98	350.36	26.214			
19,025.91	7,261.00	7,240.00	7,240.00	342.66	251.02	-90.33	-2,507.82	-1,828.40	9,209.06	8,858.73	350.33	26.287			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-33(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	17.00	17.00	3.28	3.29	-87.34	320.82	-6,912.85	6,920.29					
100.00	100.00	117.00	117.00	3.28	4.03	-87.34	320.82	-6,912.85	6,920.29	6,912.98	7.31	946.269		
200.00	200.00	217.00	217.00	3.34	6.69	-87.34	320.82	-6,912.85	6,920.29	6,910.27	10.03	690.211		
300.00	299.98	316.98	316.98	3.44	9.88	-178.05	320.82	-6,912.85	6,922.04	6,908.71	13.32	519.541		
400.00	399.84	416.84	416.84	3.60	13.22	-178.05	320.82	-6,912.85	6,927.27	6,910.45	16.82	411.855		
500.00	499.45	516.45	516.45	3.81	16.61	-178.05	320.82	-6,912.85	6,935.98	6,915.56	20.42	339.740		
600.00	598.70	615.70	615.70	4.05	20.02	-178.04	320.82	-6,912.85	6,948.16	6,924.09	24.07	288.670		
700.00	697.47	714.47	714.47	4.34	23.43	-178.04	320.82	-6,912.85	6,963.79	6,936.03	27.76	250.871		
800.00	795.62	812.62	812.62	4.66	26.82	-178.03	320.82	-6,912.85	6,982.86	6,951.39	31.47	221.914		
849.22	843.68	860.68	860.68	4.84	28.49	-178.02	320.82	-6,912.85	6,993.50	6,960.20	33.30	210.027		
900.00	893.16	910.16	910.16	5.02	30.21	-178.03	320.82	-6,912.85	7,004.90	6,969.72	35.18	199.088		
1,000.00	990.60	1,007.60	1,007.60	5.41	33.59	-178.03	320.82	-6,912.85	7,027.36	6,988.45	38.91	180.588		
1,100.00	1,088.05	1,105.05	1,105.05	5.83	36.98	-178.04	320.82	-6,912.85	7,049.82	7,007.15	42.66	165.242		
1,200.00	1,185.49	1,202.49	1,202.49	6.26	40.37	-178.05	320.82	-6,912.85	7,072.27	7,025.84	46.43	152.320		
1,300.00	1,282.93	1,300.07	1,299.93	6.70	43.76	-178.05	320.82	-6,912.85	7,094.73	7,044.51	50.22	141.284		
1,400.00	1,380.37	1,402.63	1,397.37	7.15	47.33	-178.06	320.82	-6,912.85	7,117.19	7,063.00	54.19	131.347		
1,500.00	1,477.82	1,505.18	1,494.82	7.62	50.91	-178.06	320.82	-6,912.85	7,139.64	7,081.48	58.17	122.746		
1,600.00	1,575.26	1,607.74	1,592.26	8.09	54.48	-178.07	320.82	-6,912.85	7,162.10	7,099.94	62.15	115.231		
1,700.00	1,672.70	1,689.70	1,689.70	8.57	57.34	-178.08	320.82	-6,912.85	7,184.55	7,119.12	65.43	109.803		
1,800.00	1,770.15	1,787.15	1,787.15	9.05	60.73	-178.08	320.82	-6,912.85	7,207.01	7,137.76	69.25	104.068		
1,900.00	1,867.59	1,884.59	1,884.59	9.54	64.13	-178.09	320.82	-6,912.85	7,229.47	7,156.39	73.08	98.926		
2,000.00	1,965.03	1,982.03	1,982.03	10.03	67.53	-178.09	320.82	-6,912.85	7,251.93	7,175.01	76.91	94.290		
2,100.00	2,062.48	2,079.48	2,079.48	10.53	70.93	-178.10	320.82	-6,912.85	7,274.38	7,193.64	80.75	90.090		
2,200.00	2,159.92	2,176.92	2,176.92	11.03	74.32	-178.11	320.82	-6,912.85	7,296.84	7,212.26	84.58	86.268		
2,300.00	2,257.36	2,274.36	2,274.36	11.53	77.72	-178.11	320.82	-6,912.85	7,319.30	7,230.87	88.42	82.775		
2,400.00	2,354.81	2,371.81	2,371.81	12.03	81.12	-178.12	320.82	-6,912.85	7,341.75	7,249.49	92.27	79.571		
2,500.00	2,452.25	2,469.25	2,469.25	12.54	84.52	-178.12	320.82	-6,912.85	7,364.21	7,268.10	96.11	76.621		
2,600.00	2,549.69	2,566.69	2,566.69	13.04	87.92	-178.13	320.82	-6,912.85	7,386.67	7,286.71	99.96	73.897		
2,700.00	2,647.13	2,664.13	2,664.13	13.55	91.32	-178.13	320.82	-6,912.85	7,409.12	7,305.32	103.81	71.373		
2,800.00	2,744.58	2,761.58	2,761.58	14.06	94.72	-178.14	320.82	-6,912.85	7,431.58	7,323.92	107.66	69.029		
2,900.00	2,842.02	2,859.02	2,859.02	14.57	98.12	-178.15	320.82	-6,912.85	7,454.04	7,342.53	111.51	66.846		
3,000.00	2,939.46	2,956.46	2,956.46	15.09	101.52	-178.15	320.82	-6,912.85	7,476.50	7,361.13	115.36	64.808		
3,100.00	3,036.91	3,053.91	3,053.91	15.60	104.92	-178.16	320.82	-6,912.85	7,498.95	7,379.74	119.22	62.902		
3,200.00	3,134.35	3,151.35	3,151.35	16.11	108.32	-178.16	320.82	-6,912.85	7,521.41	7,398.34	123.07	61.114		
3,300.00	3,231.79	3,248.79	3,248.79	16.63	111.72	-178.17	320.82	-6,912.85	7,543.87	7,416.94	126.93	59.434		
3,400.00	3,329.24	3,346.24	3,346.24	17.14	115.12	-178.17	320.82	-6,912.85	7,566.33	7,435.54	130.79	57.853		
3,500.00	3,426.68	3,443.68	3,443.68	17.66	118.52	-178.18	320.82	-6,912.85	7,588.79	7,454.14	134.64	56.362		
3,600.00	3,524.12	3,541.12	3,541.12	18.18	121.92	-178.18	320.82	-6,912.85	7,611.24	7,472.74	138.50	54.954		
3,700.00	3,621.57	3,638.57	3,638.57	18.69	125.32	-178.19	320.82	-6,912.85	7,633.70	7,491.34	142.36	53.623		
3,800.00	3,719.01	3,736.01	3,736.01	19.21	128.72	-178.19	320.82	-6,912.85	7,656.16	7,509.94	146.22	52.361		
3,900.00	3,816.45	3,833.45	3,833.45	19.73	132.12	-178.20	320.82	-6,912.85	7,678.62	7,528.54	150.08	51.164		
4,000.00	3,913.90	3,930.90	3,930.90	20.25	135.52	-178.20	320.82	-6,912.85	7,701.08	7,547.14	153.94	50.026		
4,100.00	4,011.34	4,028.34	4,028.34	20.77	138.92	-178.21	320.82	-6,912.85	7,723.53	7,565.73	157.80	48.945		
4,200.00	4,108.78	4,125.78	4,125.78	21.29	142.32	-178.22	320.82	-6,912.85	7,745.99	7,584.33	161.66	47.914		
4,300.00	4,206.22	4,223.22	4,223.22	21.81	145.72	-178.22	320.82	-6,912.85	7,768.45	7,602.93	165.53	46.932		
4,400.00	4,303.67	4,320.67	4,320.67	22.33	149.13	-178.23	320.82	-6,912.85	7,790.91	7,621.52	169.39	45.994		
4,500.00	4,401.11	4,418.11	4,418.11	22.85	152.53	-178.23	320.82	-6,912.85	7,813.37	7,640.12	173.25	45.099		
4,600.00	4,498.55	4,515.55	4,515.55	23.37	155.93	-178.24	320.82	-6,912.85	7,835.83	7,658.71	177.11	44.242		
4,700.00	4,596.00	4,613.00	4,613.00	23.89	159.33	-178.24	320.82	-6,912.85	7,858.28	7,677.31	180.98	43.421		
4,800.00	4,693.44	4,710.44	4,710.44	24.41	162.73	-178.25	320.82	-6,912.85	7,880.74	7,695.90	184.84	42.635		
4,900.00	4,790.88	4,807.88	4,807.88	24.93	166.13	-178.25	320.82	-6,912.85	7,903.20	7,714.50	188.71	41.881		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-33(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,905.33	4,905.33	25.46	169.53	-178.26	320.82	-6,912.85	7,925.66	7,733.09	192.57	41.157		
5,100.00	4,985.77	5,002.77	5,002.77	25.98	172.93	-178.26	320.82	-6,912.85	7,948.12	7,751.69	196.43	40.462		
5,200.00	5,083.21	5,100.21	5,100.21	26.50	176.33	-178.27	320.82	-6,912.85	7,970.58	7,770.28	200.30	39.793		
5,300.00	5,180.66	5,202.34	5,197.66	27.02	179.90	-178.27	320.82	-6,912.85	7,993.04	7,788.71	204.33	39.119		
5,400.00	5,278.10	5,304.90	5,295.10	27.55	183.48	-178.28	320.82	-6,912.85	8,015.50	7,807.12	208.37	38.467		
5,500.00	5,375.54	5,407.46	5,392.54	28.07	187.06	-178.28	320.82	-6,912.85	8,037.96	7,825.54	212.42	37.841		
5,582.90	5,456.32	5,473.32	5,473.32	28.50	189.36	-178.28	320.82	-6,912.85	8,056.57	7,841.47	215.10	37.455		
5,600.00	5,473.00	5,490.00	5,490.00	28.59	189.94	-178.29	320.82	-6,912.85	8,060.36	7,844.60	215.76	37.358		
5,700.00	5,570.93	5,587.93	5,587.93	29.10	193.36	-178.30	320.82	-6,912.85	8,080.54	7,860.90	219.64	36.790		
5,800.00	5,669.52	5,686.52	5,686.52	29.57	196.80	-178.32	320.82	-6,912.85	8,097.28	7,873.75	223.53	36.225		
5,900.00	5,768.62	5,785.62	5,785.62	30.03	200.26	-178.33	320.82	-6,912.85	8,110.57	7,883.14	227.43	35.662		
6,000.00	5,868.13	5,885.13	5,885.13	30.45	203.73	-178.34	320.82	-6,912.85	8,120.40	7,889.07	231.33	35.103		
6,100.00	5,967.93	5,984.93	5,984.93	30.86	207.21	-178.34	320.82	-6,912.85	8,126.75	7,891.51	235.23	34.547		
6,200.00	6,067.88	6,084.88	6,084.88	31.24	210.70	-178.34	320.82	-6,912.85	8,129.61	7,890.48	239.13	33.996		
6,232.12	6,100.00	6,117.00	6,117.00	31.36	211.82	-87.63	320.82	-6,912.85	8,129.79	7,889.41	240.38	33.821		
6,300.00	6,167.88	6,184.88	6,184.88	31.61	214.19	-87.63	320.82	-6,912.85	8,129.79	7,886.79	243.00	33.455		
6,400.00	6,267.88	6,284.88	6,284.88	31.97	217.68	-87.63	320.82	-6,912.85	8,129.79	7,882.92	246.88	32.931		
6,500.00	6,367.88	6,384.88	6,384.88	32.34	221.18	-87.63	320.82	-6,912.85	8,129.79	7,879.04	250.75	32.422		
6,600.00	6,467.88	6,484.88	6,484.88	32.70	224.67	-87.63	320.82	-6,912.85	8,129.79	7,875.17	254.62	31.929		
6,700.00	6,567.88	6,584.88	6,584.88	33.07	228.16	-87.63	320.82	-6,912.85	8,129.79	7,871.29	258.50	31.450		
6,736.50	6,604.38	6,621.38	6,621.38	33.21	229.43	-87.63	320.82	-6,912.85	8,129.79	7,869.88	259.91	31.279		
6,750.00	6,617.88	6,634.88	6,634.88	33.25	229.90	-0.54	320.82	-6,912.85	8,129.65	7,869.22	260.43	31.216		
6,800.00	6,667.77	6,684.77	6,684.77	33.43	231.64	-0.54	320.82	-6,912.85	8,126.63	7,864.28	262.35	30.977		
6,850.00	6,717.28	6,734.28	6,734.28	33.60	233.37	-0.55	320.82	-6,912.85	8,119.70	7,855.47	264.23	30.729		
6,900.00	6,766.09	6,783.09	6,783.09	33.79	235.08	-0.56	320.82	-6,912.85	8,108.91	7,842.83	266.08	30.476		
6,950.00	6,813.90	6,830.90	6,830.90	33.99	236.74	-0.57	320.82	-6,912.85	8,094.33	7,826.46	267.87	30.217		
7,000.00	6,860.42	6,877.42	6,877.42	34.20	238.37	-0.59	320.82	-6,912.85	8,076.04	7,806.43	269.60	29.955		
7,050.00	6,905.36	6,922.36	6,922.36	34.42	239.94	-0.62	320.82	-6,912.85	8,054.15	7,782.89	271.26	29.691		
7,100.00	6,948.45	6,965.45	6,965.45	34.67	241.44	-0.65	320.82	-6,912.85	8,028.81	7,755.97	272.84	29.427		
7,150.00	6,989.41	7,006.41	7,006.41	34.94	242.87	-0.69	320.82	-6,912.85	8,000.16	7,725.84	274.33	29.163		
7,200.00	7,028.00	7,045.00	7,045.00	35.24	244.22	-0.74	320.82	-6,912.85	7,968.39	7,692.67	275.72	28.900		
7,250.00	7,063.98	7,080.98	7,080.98	35.56	245.47	-0.80	320.82	-6,912.85	7,933.69	7,656.69	277.00	28.641		
7,300.00	7,097.13	7,114.13	7,114.13	35.92	246.63	-0.88	320.82	-6,912.85	7,896.28	7,618.10	278.18	28.386		
7,350.00	7,127.23	7,144.23	7,144.23	36.32	247.68	-0.98	320.82	-6,912.85	7,856.38	7,577.14	279.24	28.135		
7,400.00	7,154.12	7,171.12	7,171.12	36.75	248.62	-1.11	320.82	-6,912.85	7,814.24	7,534.06	280.18	27.891		
7,450.00	7,177.61	7,205.39	7,194.61	37.22	249.82	-1.30	320.82	-6,912.85	7,770.12	7,488.75	281.36	27.616		
7,500.00	7,197.57	7,214.57	7,214.57	37.73	250.14	-1.56	320.82	-6,912.85	7,724.29	7,442.62	281.67	27.423		
7,550.00	7,213.88	7,230.88	7,230.88	38.28	250.71	-1.98	320.82	-6,912.85	7,677.04	7,394.81	282.23	27.202		
7,600.00	7,226.42	7,243.42	7,243.42	38.87	251.14	-2.70	320.82	-6,912.85	7,628.65	7,346.00	282.65	26.990		
7,650.00	7,235.13	7,252.13	7,252.13	39.48	251.45	-4.26	320.82	-6,912.85	7,579.43	7,296.49	282.94	26.788		
7,700.00	7,239.95	7,256.95	7,256.95	40.12	251.62	-10.05	320.82	-6,912.85	7,529.68	7,246.58	283.10	26.597		
7,735.44	7,241.00	7,258.00	7,258.00	40.59	251.65	-80.73	320.82	-6,912.85	7,494.26	7,211.13	283.14	26.469		
7,800.00	7,241.11	7,258.11	7,258.11	41.47	251.66	-80.81	320.82	-6,912.85	7,429.71	7,146.57	283.14	26.240		
7,900.00	7,241.27	7,258.27	7,258.27	42.96	251.66	-80.93	320.82	-6,912.85	7,329.71	7,046.57	283.15	25.887		
8,000.00	7,241.44	7,258.44	7,258.44	44.59	251.67	-81.06	320.82	-6,912.85	7,229.72	6,946.56	283.15	25.533		
8,100.00	7,241.61	7,258.61	7,258.61	46.34	251.67	-81.18	320.82	-6,912.85	7,129.72	6,846.56	283.16	25.179		
8,200.00	7,241.77	7,258.77	7,258.77	48.20	251.68	-81.30	320.82	-6,912.85	7,029.73	6,746.56	283.17	24.825		
8,300.00	7,241.94	7,258.94	7,258.94	50.16	251.69	-81.42	320.82	-6,912.85	6,929.74	6,646.55	283.18	24.471		
8,400.00	7,242.11	7,259.11	7,259.11	52.20	251.69	-81.54	320.82	-6,912.85	6,829.74	6,546.55	283.20	24.117		
8,500.00	7,242.27	7,259.27	7,259.27	54.31	251.70	-81.66	320.82	-6,912.85	6,729.75	6,446.54	283.21	23.762		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Montero #10-33(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
8,600.00	7,242.44	7,259.44	7,259.44	56.49	251.70	-81.79	320.82	-6,912.85	6,629.76	6,346.53	283.22	23.408					
8,700.00	7,242.60	7,259.60	7,259.60	58.73	251.71	-81.91	320.82	-6,912.85	6,529.76	6,246.52	283.24	23.054					
8,800.00	7,242.77	7,259.77	7,259.77	61.03	251.71	-82.03	320.82	-6,912.85	6,429.77	6,146.51	283.26	22.699					
8,900.00	7,242.94	7,259.94	7,259.94	63.37	251.72	-82.15	320.82	-6,912.85	6,329.78	6,046.50	283.28	22.345					
9,000.00	7,243.10	7,260.10	7,260.10	65.75	251.73	-82.28	320.82	-6,912.85	6,229.78	5,946.49	283.30	21.990					
9,100.00	7,243.27	7,260.27	7,260.27	68.18	251.73	-82.40	320.82	-6,912.85	6,129.79	5,846.48	283.32	21.636					
9,200.00	7,243.44	7,260.44	7,260.44	70.63	251.74	-82.52	320.82	-6,912.85	6,029.80	5,746.46	283.34	21.281					
9,300.00	7,243.60	7,260.60	7,260.60	73.12	251.74	-82.64	320.82	-6,912.85	5,929.81	5,646.45	283.36	20.927					
9,400.00	7,243.77	7,260.77	7,260.77	75.63	251.75	-82.77	320.82	-6,912.85	5,829.82	5,546.43	283.39	20.572					
9,500.00	7,243.94	7,260.94	7,260.94	78.17	251.76	-82.89	320.82	-6,912.85	5,729.83	5,446.41	283.41	20.217					
9,600.00	7,244.10	7,261.10	7,261.10	80.73	251.76	-83.01	320.82	-6,912.85	5,629.84	5,346.39	283.44	19.862					
9,700.00	7,244.27	7,261.27	7,261.27	83.31	251.77	-83.14	320.82	-6,912.85	5,529.84	5,246.37	283.47	19.508					
9,800.00	7,244.44	7,261.44	7,261.44	85.91	251.77	-83.26	320.82	-6,912.85	5,429.85	5,146.35	283.50	19.153					
9,900.00	7,244.60	7,261.60	7,261.60	88.53	251.78	-83.38	320.82	-6,912.85	5,329.87	5,046.33	283.53	18.798					
10,000.00	7,244.77	7,261.77	7,261.77	91.16	251.78	-83.50	320.82	-6,912.85	5,229.88	4,946.31	283.57	18.443					
10,100.00	7,244.94	7,261.94	7,261.94	93.81	251.79	-83.63	320.82	-6,912.85	5,129.89	4,846.29	283.60	18.089					
10,200.00	7,245.10	7,262.10	7,262.10	96.46	251.80	-83.75	320.82	-6,912.85	5,029.90	4,746.26	283.63	17.734					
10,300.00	7,245.27	7,262.27	7,262.27	99.14	251.80	-83.87	320.82	-6,912.85	4,929.91	4,646.24	283.67	17.379					
10,400.00	7,245.43	7,262.43	7,262.43	101.82	251.81	-84.00	320.82	-6,912.85	4,829.92	4,546.21	283.71	17.024					
10,500.00	7,245.60	7,262.60	7,262.60	104.51	251.81	-84.12	320.82	-6,912.85	4,729.94	4,446.19	283.75	16.669					
10,600.00	7,245.77	7,262.77	7,262.77	107.21	251.82	-84.24	320.82	-6,912.85	4,629.95	4,346.16	283.79	16.315					
10,700.00	7,245.93	7,262.93	7,262.93	109.92	251.83	-84.37	320.82	-6,912.85	4,529.96	4,246.13	283.83	15.960					
10,800.00	7,246.10	7,263.10	7,263.10	112.64	251.83	-84.49	320.82	-6,912.85	4,429.98	4,146.10	283.88	15.605					
10,900.00	7,246.27	7,263.27	7,263.27	115.37	251.84	-84.62	320.82	-6,912.85	4,329.99	4,046.07	283.93	15.250					
11,000.00	7,246.43	7,263.43	7,263.43	118.10	251.84	-84.74	320.82	-6,912.85	4,230.01	3,946.04	283.97	14.896					
11,100.00	7,246.60	7,263.60	7,263.60	120.84	251.85	-84.86	320.82	-6,912.85	4,130.03	3,846.00	284.02	14.541					
11,200.00	7,246.77	7,263.77	7,263.77	123.58	251.85	-84.99	320.82	-6,912.85	4,030.04	3,745.97	284.07	14.187					
11,300.00	7,246.93	7,263.93	7,263.93	126.34	251.86	-85.11	320.82	-6,912.85	3,930.06	3,645.94	284.13	13.832					
11,340.34	7,247.00	7,264.00	7,264.00	127.45	251.86	-85.16	320.82	-6,912.85	3,889.73	3,605.58	284.15	13.689					
11,400.00	7,247.10	7,264.10	7,264.10	129.09	251.87	30.97	320.82	-6,912.85	3,830.07	3,545.89	284.18	13.478					
11,500.00	7,247.27	7,264.27	7,264.27	131.84	251.87	87.22	320.82	-6,912.85	3,730.10	3,445.88	284.22	13.124					
11,586.15	7,247.43	7,264.43	7,264.43	134.20	251.88	88.46	320.82	-6,912.85	3,644.07	3,359.83	284.24	12.820					
11,600.00	7,247.45	7,264.45	7,264.45	134.57	251.88	88.47	320.82	-6,912.85	3,630.25	3,346.01	284.24	12.772					
11,700.00	7,247.64	7,264.64	7,264.64	137.31	251.88	88.51	320.82	-6,912.85	3,530.49	3,246.22	284.27	12.420					
11,800.00	7,247.82	7,264.82	7,264.82	140.05	251.89	88.55	320.82	-6,912.85	3,430.74	3,146.44	284.30	12.067					
11,900.00	7,248.00	7,265.00	7,265.00	142.79	251.90	88.59	320.82	-6,912.85	3,331.00	3,046.66	284.34	11.715					
12,000.00	7,248.18	7,265.18	7,265.18	145.53	251.90	88.63	320.82	-6,912.85	3,231.29	2,946.90	284.39	11.362					
12,100.00	7,248.37	7,265.37	7,265.37	148.28	251.91	88.68	320.82	-6,912.85	3,131.59	2,847.14	284.45	11.009					
12,200.00	7,248.55	7,265.55	7,265.55	151.04	251.92	88.72	320.82	-6,912.85	3,031.91	2,747.39	284.52	10.656					
12,300.00	7,248.73	7,265.73	7,265.73	153.80	251.92	88.76	320.82	-6,912.85	2,932.25	2,647.65	284.61	10.303					
12,400.00	7,248.91	7,265.91	7,265.91	156.56	251.93	88.80	320.82	-6,912.85	2,832.62	2,547.91	284.71	9.949					
12,500.00	7,249.10	7,266.10	7,266.10	159.32	251.94	88.85	320.82	-6,912.85	2,733.01	2,448.18	284.83	9.595					
12,600.00	7,249.28	7,266.28	7,266.28	162.09	251.94	88.89	320.82	-6,912.85	2,633.44	2,348.46	284.98	9.241					
12,700.00	7,249.46	7,266.46	7,266.46	164.86	251.95	88.93	320.82	-6,912.85	2,533.89	2,248.74	285.15	8.886					
12,800.00	7,249.64	7,266.64	7,266.64	167.63	251.95	88.97	320.82	-6,912.85	2,434.39	2,149.02	285.37	8.531					
12,900.00	7,249.83	7,266.83	7,266.83	170.40	251.96	89.02	320.82	-6,912.85	2,334.92	2,049.30	285.62	8.175					
13,000.00	7,250.01	7,267.01	7,267.01	173.18	251.97	89.06	320.82	-6,912.85	2,235.51	1,949.58	285.92	7.819					
13,100.00	7,250.19	7,267.19	7,267.19	175.96	251.97	89.10	320.82	-6,912.85	2,136.15	1,849.86	286.29	7.462					
13,200.00	7,250.37	7,267.37	7,267.37	178.74	251.98	89.14	320.82	-6,912.85	2,036.85	1,750.12	286.72	7.104					
13,300.00	7,250.56	7,267.56	7,267.56	181.52	251.99	89.19	320.82	-6,912.85	1,937.62	1,650.37	287.25	6.745					
13,400.00	7,250.74	7,267.74	7,267.74	184.31	251.99	89.23	320.82	-6,912.85	1,838.48	1,550.58	287.89	6.386					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-33(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,500.00	7,250.92	7,267.92	7,267.92	187.09	252.00	89.27	320.82	-6,912.85	1,739.43	1,450.76	288.67	6.026		
13,600.00	7,251.10	7,268.10	7,268.10	189.88	252.01	89.31	320.82	-6,912.85	1,640.50	1,350.88	289.62	5.664		
13,700.00	7,251.29	7,268.29	7,268.29	192.67	252.01	89.35	320.82	-6,912.85	1,541.71	1,250.93	290.78	5.302		
13,800.00	7,251.47	7,268.47	7,268.47	195.47	252.02	89.40	320.82	-6,912.85	1,443.09	1,150.89	292.20	4.939		
13,900.00	7,251.65	7,268.65	7,268.65	198.26	252.02	89.44	320.82	-6,912.85	1,344.67	1,050.71	293.96	4.574		
14,000.00	7,251.83	7,268.83	7,268.83	201.05	252.03	89.48	320.82	-6,912.85	1,246.50	950.35	296.15	4.209		
14,100.00	7,252.01	7,269.01	7,269.01	203.85	252.04	89.52	320.82	-6,912.85	1,148.64	849.77	298.87	3.843		
14,200.00	7,252.20	7,269.20	7,269.20	206.65	252.04	89.57	320.82	-6,912.85	1,051.19	748.88	302.31	3.477		
14,300.00	7,252.38	7,269.38	7,269.38	209.45	252.05	89.61	320.82	-6,912.85	954.27	647.60	306.67	3.112		
14,400.00	7,252.56	7,269.56	7,269.56	212.25	252.06	89.65	320.82	-6,912.85	858.06	545.78	312.27	2.748		
14,500.00	7,252.74	7,269.74	7,269.74	215.05	252.06	89.69	320.82	-6,912.85	762.82	443.26	319.55	2.387		
14,600.00	7,252.93	7,269.93	7,269.93	217.86	252.07	89.74	320.82	-6,912.85	668.96	339.82	329.15	2.032		
14,700.00	7,253.11	7,270.11	7,270.11	220.66	252.08	89.78	320.82	-6,912.85	577.18	235.15	342.03	1.688		
14,800.00	7,253.29	7,270.29	7,270.29	223.47	252.08	89.82	320.82	-6,912.85	488.64	129.02	359.62	1.359 Level 3		
14,900.00	7,253.47	7,270.47	7,270.47	226.27	252.09	89.86	320.82	-6,912.85	405.45	21.57	383.88	1.056 Level 2		
15,000.00	7,253.66	7,270.66	7,270.66	229.08	252.09	89.91	320.82	-6,912.85	331.69	-84.96	416.65	0.796 Level 1		
15,100.00	7,253.84	7,270.84	7,270.84	231.89	252.10	89.95	320.82	-6,912.85	275.03	-180.55	455.59	0.604 Level 1		
15,200.00	7,254.02	7,271.02	7,271.02	234.70	252.11	89.99	320.82	-6,912.85	247.52	-237.19	484.71	0.511 Level 1		
15,221.87	7,254.06	7,271.06	7,271.06	235.31	252.11	90.00	320.82	-6,912.85	246.56	-240.62	487.17	0.506 Level 1, CC, ES, SF		
15,300.00	7,254.20	7,271.20	7,271.20	237.51	252.11	90.03	320.82	-6,912.85	258.64	-223.12	481.76	0.537 Level 1		
15,400.00	7,254.39	7,271.39	7,271.39	240.32	252.12	90.08	320.82	-6,912.85	304.17	-149.85	454.02	0.670 Level 1		
15,500.00	7,254.57	7,271.57	7,271.57	243.13	252.13	90.12	320.82	-6,912.85	371.68	-51.58	423.26	0.878 Level 1		
15,600.00	7,254.75	7,271.75	7,271.75	245.94	252.13	90.16	320.82	-6,912.85	451.41	53.15	398.26	1.133 Level 2		
15,700.00	7,254.93	7,271.93	7,271.93	248.76	252.14	90.20	320.82	-6,912.85	537.96	158.54	379.41	1.418 Level 3		
15,800.00	7,255.12	7,272.12	7,272.12	251.57	252.15	90.25	320.82	-6,912.85	628.51	263.22	365.29	1.721		
15,900.00	7,255.30	7,272.30	7,272.30	254.39	252.15	90.29	320.82	-6,912.85	721.56	367.02	354.54	2.035		
16,000.00	7,255.48	7,272.48	7,272.48	257.20	252.16	90.33	320.82	-6,912.85	816.25	470.06	346.19	2.358		
16,100.00	7,255.66	7,272.66	7,272.66	260.02	252.16	90.37	320.82	-6,912.85	912.08	572.50	339.59	2.686		
16,200.00	7,255.85	7,272.85	7,272.85	262.84	252.17	90.41	320.82	-6,912.85	1,008.72	674.45	334.27	3.018		
16,300.00	7,256.03	7,273.03	7,273.03	265.65	252.18	90.46	320.82	-6,912.85	1,105.96	776.04	329.92	3.352		
16,400.00	7,256.21	7,273.21	7,273.21	268.47	252.18	90.50	320.82	-6,912.85	1,203.65	877.34	326.31	3.689		
16,500.00	7,256.39	7,273.39	7,273.39	271.29	252.19	90.54	320.82	-6,912.85	1,301.69	978.41	323.28	4.027		
16,600.00	7,256.58	7,273.58	7,273.58	274.11	252.20	90.58	320.82	-6,912.85	1,400.01	1,079.30	320.71	4.365		
16,700.00	7,256.76	7,273.76	7,273.76	276.93	252.20	90.63	320.82	-6,912.85	1,498.55	1,180.03	318.51	4.705		
16,800.00	7,256.94	7,273.94	7,273.94	279.75	252.21	90.67	320.82	-6,912.85	1,597.27	1,280.65	316.62	5.045		
16,900.00	7,257.12	7,274.12	7,274.12	282.57	252.22	90.71	320.82	-6,912.85	1,696.14	1,381.17	314.97	5.385		
17,000.00	7,257.30	7,274.30	7,274.30	285.40	252.22	90.75	320.82	-6,912.85	1,795.14	1,481.61	313.53	5.726		
17,100.00	7,257.49	7,274.49	7,274.49	288.22	252.23	90.80	320.82	-6,912.85	1,894.24	1,581.97	312.27	6.066		
17,200.00	7,257.67	7,274.67	7,274.67	291.04	252.24	90.84	320.82	-6,912.85	1,993.43	1,682.28	311.15	6.407		
17,300.00	7,257.85	7,274.85	7,274.85	293.87	252.24	90.88	320.82	-6,912.85	2,092.70	1,782.54	310.16	6.747		
17,400.00	7,258.03	7,275.03	7,275.03	296.69	252.25	90.92	320.82	-6,912.85	2,192.03	1,882.76	309.27	7.088		
17,500.00	7,258.22	7,275.22	7,275.22	299.51	252.25	90.97	320.82	-6,912.85	2,291.43	1,982.95	308.48	7.428		
17,600.00	7,258.40	7,275.40	7,275.40	302.34	252.26	91.01	320.82	-6,912.85	2,390.87	2,083.10	307.77	7.768		
17,700.00	7,258.58	7,275.58	7,275.58	305.16	252.27	91.05	320.82	-6,912.85	2,490.36	2,183.22	307.13	8.108		
17,800.00	7,258.76	7,275.76	7,275.76	307.99	252.27	91.09	320.82	-6,912.85	2,589.89	2,283.33	306.56	8.448		
17,900.00	7,258.95	7,275.95	7,275.95	310.82	252.28	91.14	320.82	-6,912.85	2,689.45	2,383.41	306.04	8.788		
18,000.00	7,259.13	7,276.13	7,276.13	313.64	252.29	91.18	320.82	-6,912.85	2,789.04	2,483.47	305.57	9.127		
18,100.00	7,259.31	7,276.31	7,276.31	316.47	252.29	91.22	320.82	-6,912.85	2,888.66	2,583.52	305.15	9.467		
18,200.00	7,259.49	7,276.49	7,276.49	319.30	252.30	91.26	320.82	-6,912.85	2,988.31	2,683.55	304.76	9.805		
18,300.00	7,259.68	7,276.68	7,276.68	322.12	252.31	91.30	320.82	-6,912.85	3,087.98	2,783.57	304.41	10.144		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-33(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
18,400.00	7,259.86	7,276.86	7,276.86	324.95	252.31	91.35	320.82	-6,912.85	3,187.67	2,883.58	304.09	10.483			
18,500.00	7,260.04	7,277.04	7,277.04	327.78	252.32	91.39	320.82	-6,912.85	3,287.38	2,983.58	303.80	10.821			
18,600.00	7,260.22	7,277.22	7,277.22	330.61	252.32	91.43	320.82	-6,912.85	3,387.11	3,083.57	303.54	11.159			
18,700.00	7,260.41	7,277.41	7,277.41	333.44	252.33	91.47	320.82	-6,912.85	3,486.85	3,183.55	303.30	11.497			
18,800.00	7,260.59	7,277.59	7,277.59	336.27	252.34	91.52	320.82	-6,912.85	3,586.61	3,283.53	303.08	11.834			
18,900.00	7,260.77	7,277.77	7,277.77	339.10	252.34	91.56	320.82	-6,912.85	3,686.38	3,383.50	302.88	12.171			
19,000.00	7,260.95	7,277.95	7,277.95	341.93	252.35	91.60	320.82	-6,912.85	3,786.16	3,483.46	302.70	12.508			
19,025.91	7,261.00	7,278.00	7,278.00	342.66	252.35	91.61	320.82	-6,912.85	3,812.02	3,509.36	302.66	12.595			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-34(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	4.00	3.28	3.28	-100.71	-1,374.92	-7,270.43	7,399.29					
100.00	100.00	104.00	104.00	3.28	3.78	-100.71	-1,374.92	-7,270.43	7,399.29	7,392.22	7.07	1,046.896		
200.00	200.00	204.00	204.00	3.34	6.30	-100.71	-1,374.92	-7,270.43	7,399.29	7,389.66	9.63	767.979		
300.00	299.98	303.98	303.98	3.44	9.45	168.58	-1,374.92	-7,270.43	7,401.00	7,388.10	12.90	573.878		
400.00	399.84	403.84	403.84	3.60	12.78	168.56	-1,374.92	-7,270.43	7,406.13	7,389.75	16.38	452.128		
500.00	499.45	503.45	503.45	3.81	16.17	168.54	-1,374.92	-7,270.43	7,414.67	7,394.70	19.97	371.266		
600.00	598.70	602.70	602.70	4.05	19.57	168.51	-1,374.92	-7,270.43	7,426.62	7,403.00	23.62	314.379		
700.00	697.47	701.47	701.47	4.34	22.98	168.48	-1,374.92	-7,270.43	7,441.96	7,414.64	27.31	272.482		
800.00	795.62	800.38	799.62	4.66	26.40	168.43	-1,374.92	-7,270.43	7,460.66	7,429.62	31.05	240.303		
849.22	843.68	847.68	847.68	4.84	28.04	168.40	-1,374.92	-7,270.43	7,471.10	7,438.25	32.85	227.408		
900.00	893.16	902.84	897.16	5.02	29.95	168.42	-1,374.92	-7,270.43	7,482.29	7,447.35	34.94	214.155		
1,000.00	990.60	1,005.40	994.60	5.41	33.51	168.46	-1,374.92	-7,270.43	7,504.33	7,465.48	38.85	193.168		
1,100.00	1,088.05	1,107.95	1,092.05	5.83	37.08	168.49	-1,374.92	-7,270.43	7,526.36	7,483.58	42.78	175.930		
1,200.00	1,185.49	1,189.49	1,189.49	6.26	39.91	168.52	-1,374.92	-7,270.43	7,548.40	7,502.41	46.00	164.102		
1,300.00	1,282.93	1,286.93	1,286.93	6.70	43.31	168.56	-1,374.92	-7,270.43	7,570.45	7,520.66	49.78	152.068		
1,400.00	1,380.37	1,384.37	1,384.37	7.15	46.70	168.59	-1,374.92	-7,270.43	7,592.49	7,538.91	53.58	141.704		
1,500.00	1,477.82	1,481.82	1,481.82	7.62	50.09	168.62	-1,374.92	-7,270.43	7,614.54	7,557.15	57.39	132.690		
1,600.00	1,575.26	1,579.26	1,579.26	8.09	53.49	168.66	-1,374.92	-7,270.43	7,636.59	7,575.39	61.20	124.781		
1,700.00	1,672.70	1,676.70	1,676.70	8.57	56.88	168.69	-1,374.92	-7,270.43	7,658.64	7,593.62	65.02	117.787		
1,800.00	1,770.15	1,774.15	1,774.15	9.05	60.28	168.72	-1,374.92	-7,270.43	7,680.70	7,611.85	68.85	111.561		
1,900.00	1,867.59	1,871.59	1,871.59	9.54	63.68	168.76	-1,374.92	-7,270.43	7,702.76	7,630.08	72.68	105.983		
2,000.00	1,965.03	1,969.03	1,969.03	10.03	67.07	168.79	-1,374.92	-7,270.43	7,724.82	7,648.30	76.51	100.959		
2,100.00	2,062.48	2,066.48	2,066.48	10.53	70.47	168.82	-1,374.92	-7,270.43	7,746.88	7,666.52	80.35	96.410		
2,200.00	2,159.92	2,163.92	2,163.92	11.03	73.87	168.85	-1,374.92	-7,270.43	7,768.94	7,684.75	84.20	92.272		
2,300.00	2,257.36	2,261.36	2,261.36	11.53	77.27	168.88	-1,374.92	-7,270.43	7,791.01	7,702.97	88.04	88.493		
2,400.00	2,354.81	2,358.81	2,358.81	12.03	80.67	168.92	-1,374.92	-7,270.43	7,813.08	7,721.19	91.89	85.028		
2,500.00	2,452.25	2,456.25	2,456.25	12.54	84.07	168.95	-1,374.92	-7,270.43	7,835.15	7,739.41	95.74	81.839		
2,600.00	2,549.69	2,553.69	2,553.69	13.04	87.47	168.98	-1,374.92	-7,270.43	7,857.22	7,757.63	99.59	78.896		
2,700.00	2,647.13	2,651.13	2,651.13	13.55	90.87	169.01	-1,374.92	-7,270.43	7,879.30	7,775.86	103.44	76.171		
2,800.00	2,744.58	2,748.58	2,748.58	14.06	94.26	169.04	-1,374.92	-7,270.43	7,901.38	7,794.08	107.30	73.640		
2,900.00	2,842.02	2,846.02	2,846.02	14.57	97.66	169.07	-1,374.92	-7,270.43	7,923.46	7,812.30	111.15	71.284		
3,000.00	2,939.46	2,943.46	2,943.46	15.09	101.06	169.10	-1,374.92	-7,270.43	7,945.54	7,830.53	115.01	69.085		
3,100.00	3,036.91	3,040.91	3,040.91	15.60	104.46	169.13	-1,374.92	-7,270.43	7,967.62	7,848.75	118.87	67.029		
3,200.00	3,134.35	3,138.35	3,138.35	16.11	107.86	169.16	-1,374.92	-7,270.43	7,989.71	7,866.98	122.73	65.101		
3,300.00	3,231.79	3,235.79	3,235.79	16.63	111.26	169.19	-1,374.92	-7,270.43	8,011.80	7,885.21	126.59	63.290		
3,400.00	3,329.24	3,333.24	3,333.24	17.14	114.66	169.22	-1,374.92	-7,270.43	8,033.89	7,903.44	130.45	61.586		
3,500.00	3,426.68	3,430.68	3,430.68	17.66	118.07	169.25	-1,374.92	-7,270.43	8,055.98	7,921.67	134.31	59.980		
3,600.00	3,524.12	3,528.12	3,528.12	18.18	121.47	169.28	-1,374.92	-7,270.43	8,078.08	7,939.90	138.17	58.463		
3,700.00	3,621.57	3,625.57	3,625.57	18.69	124.87	169.31	-1,374.92	-7,270.43	8,100.18	7,958.14	142.04	57.029		
3,800.00	3,719.01	3,723.01	3,723.01	19.21	128.27	169.34	-1,374.92	-7,270.43	8,122.27	7,976.37	145.90	55.670		
3,900.00	3,816.45	3,820.45	3,820.45	19.73	131.67	169.37	-1,374.92	-7,270.43	8,144.38	7,994.61	149.76	54.381		
4,000.00	3,913.90	3,917.90	3,917.90	20.25	135.07	169.40	-1,374.92	-7,270.43	8,166.48	8,012.85	153.63	53.157		
4,100.00	4,011.34	4,015.34	4,015.34	20.77	138.47	169.43	-1,374.92	-7,270.43	8,188.58	8,031.09	157.49	51.993		
4,200.00	4,108.78	4,112.78	4,112.78	21.29	141.87	169.46	-1,374.92	-7,270.43	8,210.69	8,049.33	161.36	50.885		
4,300.00	4,206.22	4,210.22	4,210.22	21.81	145.27	169.49	-1,374.92	-7,270.43	8,232.80	8,067.58	165.23	49.828		
4,400.00	4,303.67	4,307.67	4,307.67	22.33	148.67	169.52	-1,374.92	-7,270.43	8,254.91	8,085.82	169.09	48.819		
4,500.00	4,401.11	4,405.11	4,405.11	22.85	152.07	169.54	-1,374.92	-7,270.43	8,277.02	8,104.07	172.96	47.856		
4,600.00	4,498.55	4,502.55	4,502.55	23.37	155.47	169.57	-1,374.92	-7,270.43	8,299.14	8,122.31	176.83	46.934		
4,700.00	4,596.00	4,600.00	4,600.00	23.89	158.87	169.60	-1,374.92	-7,270.43	8,321.26	8,140.56	180.69	46.052		
4,800.00	4,693.44	4,702.56	4,697.44	24.41	162.45	169.63	-1,374.92	-7,270.43	8,343.37	8,158.64	184.74	45.163		
4,900.00	4,790.88	4,805.12	4,794.88	24.93	166.03	169.66	-1,374.92	-7,270.43	8,365.50	8,176.71	188.78	44.312		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-34(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,888.33	4,907.67	4,892.33	25.46	169.61	169.68	-1,374.92	-7,270.43	8,387.62	8,194.79	192.83	43.497			
5,100.00	4,985.77	4,989.77	4,989.77	25.98	172.48	169.71	-1,374.92	-7,270.43	8,409.74	8,213.58	196.16	42.871			
5,200.00	5,083.21	5,087.21	5,087.21	26.50	175.88	169.74	-1,374.92	-7,270.43	8,431.87	8,231.84	200.03	42.153			
5,300.00	5,180.66	5,184.66	5,184.66	27.02	179.28	169.76	-1,374.92	-7,270.43	8,454.00	8,250.09	203.90	41.461			
5,400.00	5,278.10	5,282.10	5,282.10	27.55	182.68	169.79	-1,374.92	-7,270.43	8,476.13	8,268.36	207.77	40.796			
5,500.00	5,375.54	5,379.54	5,379.54	28.07	186.08	169.82	-1,374.92	-7,270.43	8,498.26	8,286.62	211.64	40.154			
5,582.90	5,456.32	5,460.32	5,460.32	28.50	188.90	169.84	-1,374.92	-7,270.43	8,516.60	8,301.76	214.85	39.640			
5,600.00	5,473.00	5,477.00	5,477.00	28.59	189.49	169.86	-1,374.92	-7,270.43	8,520.34	8,304.83	215.51	39.536			
5,700.00	5,570.93	5,574.93	5,574.93	29.10	192.90	169.95	-1,374.92	-7,270.43	8,540.22	8,320.83	219.39	38.927			
5,800.00	5,669.52	5,673.52	5,673.52	29.57	196.34	170.03	-1,374.92	-7,270.43	8,556.72	8,333.44	223.28	38.323			
5,900.00	5,768.62	5,772.62	5,772.62	30.03	199.80	170.09	-1,374.92	-7,270.43	8,569.82	8,342.64	227.18	37.722			
6,000.00	5,868.13	5,872.13	5,872.13	30.45	203.28	170.14	-1,374.92	-7,270.43	8,579.51	8,348.43	231.09	37.127			
6,100.00	5,967.93	5,971.93	5,971.93	30.86	206.76	170.17	-1,374.92	-7,270.43	8,585.77	8,350.78	234.99	36.537			
6,200.00	6,067.88	6,071.88	6,071.88	31.24	210.25	170.18	-1,374.92	-7,270.43	8,588.59	8,349.71	238.88	35.953			
6,232.12	6,100.00	6,104.00	6,104.00	31.36	211.37	-99.11	-1,374.92	-7,270.43	8,588.77	8,348.64	240.13	35.767			
6,300.00	6,167.88	6,171.88	6,171.88	31.61	213.74	-99.11	-1,374.92	-7,270.43	8,588.77	8,346.02	242.76	35.380			
6,400.00	6,267.88	6,271.88	6,271.88	31.97	217.23	-99.11	-1,374.92	-7,270.43	8,588.77	8,342.15	246.62	34.825			
6,500.00	6,367.88	6,371.88	6,371.88	32.34	220.72	-99.11	-1,374.92	-7,270.43	8,588.77	8,338.28	250.50	34.287			
6,600.00	6,467.88	6,471.88	6,471.88	32.70	224.21	-99.11	-1,374.92	-7,270.43	8,588.77	8,334.40	254.37	33.765			
6,700.00	6,567.88	6,571.88	6,571.88	33.07	227.70	-99.11	-1,374.92	-7,270.43	8,588.77	8,330.53	258.24	33.259			
6,736.50	6,604.38	6,608.38	6,608.38	33.21	228.98	-99.11	-1,374.92	-7,270.43	8,588.77	8,329.12	259.66	33.078			
6,750.00	6,617.88	6,621.88	6,621.88	33.25	229.45	-12.02	-1,374.92	-7,270.43	8,588.63	8,328.46	260.18	33.011			
6,800.00	6,667.77	6,671.77	6,671.77	33.43	231.19	-12.08	-1,374.92	-7,270.43	8,585.68	8,323.59	262.09	32.759			
6,850.00	6,717.28	6,721.28	6,721.28	33.60	232.92	-12.22	-1,374.92	-7,270.43	8,578.90	8,314.93	263.98	32.499			
6,900.00	6,766.09	6,770.09	6,770.09	33.79	234.62	-12.44	-1,374.92	-7,270.43	8,568.35	8,302.53	265.82	32.233			
6,950.00	6,813.90	6,817.90	6,817.90	33.99	236.29	-12.76	-1,374.92	-7,270.43	8,554.09	8,286.47	267.62	31.964			
7,000.00	6,860.42	6,864.42	6,864.42	34.20	237.91	-13.17	-1,374.92	-7,270.43	8,536.20	8,266.84	269.36	31.691			
7,050.00	6,905.36	6,909.36	6,909.36	34.42	239.48	-13.70	-1,374.92	-7,270.43	8,514.80	8,243.78	271.02	31.417			
7,100.00	6,948.45	6,952.45	6,952.45	34.67	240.99	-14.36	-1,374.92	-7,270.43	8,490.02	8,217.41	272.61	31.144			
7,150.00	6,989.41	7,006.59	6,993.41	34.94	242.88	-15.19	-1,374.92	-7,270.43	8,462.02	8,187.45	274.57	30.819			
7,200.00	7,028.00	7,032.00	7,032.00	35.24	243.76	-16.21	-1,374.92	-7,270.43	8,430.97	8,155.46	275.51	30.601			
7,250.00	7,063.98	7,067.98	7,067.98	35.56	245.02	-17.48	-1,374.92	-7,270.43	8,397.06	8,120.24	276.82	30.334			
7,300.00	7,097.13	7,101.13	7,101.13	35.92	246.18	-19.07	-1,374.92	-7,270.43	8,360.51	8,082.49	278.01	30.073			
7,350.00	7,127.23	7,131.23	7,131.23	36.32	247.23	-21.09	-1,374.92	-7,270.43	8,321.53	8,042.44	279.09	29.816			
7,400.00	7,154.12	7,158.12	7,158.12	36.75	248.17	-23.68	-1,374.92	-7,270.43	8,280.38	8,000.32	280.06	29.567			
7,450.00	7,177.61	7,181.61	7,181.61	37.22	248.99	-27.08	-1,374.92	-7,270.43	8,237.30	7,956.40	280.90	29.325			
7,500.00	7,197.57	7,201.57	7,201.57	37.73	249.68	-31.64	-1,374.92	-7,270.43	8,192.57	7,910.96	281.62	29.091			
7,550.00	7,213.88	7,217.88	7,217.88	38.28	250.25	-37.92	-1,374.92	-7,270.43	8,146.46	7,864.26	282.21	28.867			
7,600.00	7,226.42	7,230.42	7,230.42	38.87	250.69	-46.77	-1,374.92	-7,270.43	8,099.26	7,816.59	282.67	28.653			
7,650.00	7,235.13	7,239.13	7,239.13	39.48	250.99	-59.26	-1,374.92	-7,270.43	8,051.26	7,768.26	283.00	28.449			
7,700.00	7,239.95	7,243.95	7,243.95	40.12	251.16	-75.97	-1,374.92	-7,270.43	8,002.76	7,719.55	283.21	28.257			
7,735.44	7,241.00	7,245.00	7,245.00	40.59	251.20	-89.59	-1,374.92	-7,270.43	7,968.24	7,684.96	283.28	28.129			
7,800.00	7,241.11	7,245.11	7,245.11	41.47	251.20	-89.59	-1,374.92	-7,270.43	7,905.34	7,621.99	283.35	27.900			
7,900.00	7,241.27	7,245.27	7,245.27	42.96	251.21	-89.59	-1,374.92	-7,270.43	7,807.96	7,524.49	283.47	27.544			
8,000.00	7,241.44	7,245.44	7,245.44	44.59	251.21	-89.60	-1,374.92	-7,270.43	7,710.66	7,427.04	283.61	27.187			
8,100.00	7,241.61	7,245.61	7,245.61	46.34	251.22	-89.61	-1,374.92	-7,270.43	7,613.42	7,329.64	283.78	26.829			
8,200.00	7,241.77	7,245.77	7,245.77	48.20	251.23	-89.61	-1,374.92	-7,270.43	7,516.25	7,232.29	283.96	26.469			
8,300.00	7,241.94	7,245.94	7,245.94	50.16	251.23	-89.62	-1,374.92	-7,270.43	7,419.16	7,134.99	284.17	26.108			
8,400.00	7,242.11	7,246.11	7,246.11	52.20	251.24	-89.62	-1,374.92	-7,270.43	7,322.15	7,037.74	284.41	25.745			
8,500.00	7,242.27	7,246.27	7,246.27	54.31	251.24	-89.63	-1,374.92	-7,270.43	7,225.22	6,940.55	284.67	25.381			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Montero #10-34(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
8,600.00	7,242.44	7,246.44	7,246.44	56.49	251.25	-89.63	-1,374.92	-7,270.43	7,128.37	6,843.42	284.95	25.016					
8,700.00	7,242.60	7,246.60	7,246.60	58.73	251.26	-89.64	-1,374.92	-7,270.43	7,031.61	6,746.34	285.27	24.649					
8,800.00	7,242.77	7,246.77	7,246.77	61.03	251.26	-89.64	-1,374.92	-7,270.43	6,934.95	6,649.33	285.62	24.280					
8,900.00	7,242.94	7,246.94	7,246.94	63.37	251.27	-89.65	-1,374.92	-7,270.43	6,838.38	6,552.38	286.00	23.911					
9,000.00	7,243.10	7,247.10	7,247.10	65.75	251.27	-89.65	-1,374.92	-7,270.43	6,741.91	6,455.50	286.41	23.540					
9,100.00	7,243.27	7,247.27	7,247.27	68.18	251.28	-89.66	-1,374.92	-7,270.43	6,645.54	6,358.69	286.85	23.167					
9,200.00	7,243.44	7,247.44	7,247.44	70.63	251.28	-89.66	-1,374.92	-7,270.43	6,549.29	6,261.95	287.33	22.793					
9,300.00	7,243.60	7,247.60	7,247.60	73.12	251.29	-89.67	-1,374.92	-7,270.43	6,453.14	6,165.29	287.85	22.418					
9,400.00	7,243.77	7,247.77	7,247.77	75.63	251.30	-89.67	-1,374.92	-7,270.43	6,357.12	6,068.71	288.41	22.042					
9,500.00	7,243.94	7,247.94	7,247.94	78.17	251.30	-89.68	-1,374.92	-7,270.43	6,261.22	5,972.21	289.01	21.664					
9,600.00	7,244.10	7,248.10	7,248.10	80.73	251.31	-89.69	-1,374.92	-7,270.43	6,165.45	5,875.80	289.65	21.286					
9,700.00	7,244.27	7,248.27	7,248.27	83.31	251.31	-89.69	-1,374.92	-7,270.43	6,069.82	5,779.48	290.34	20.906					
9,800.00	7,244.44	7,248.44	7,248.44	85.91	251.32	-89.70	-1,374.92	-7,270.43	5,974.33	5,683.26	291.07	20.525					
9,900.00	7,244.60	7,248.60	7,248.60	88.53	251.33	-89.70	-1,374.92	-7,270.43	5,878.99	5,587.14	291.85	20.144					
10,000.00	7,244.77	7,248.77	7,248.77	91.16	251.33	-89.71	-1,374.92	-7,270.43	5,783.81	5,491.13	292.68	19.761					
10,100.00	7,244.94	7,248.94	7,248.94	93.81	251.34	-89.71	-1,374.92	-7,270.43	5,688.79	5,395.23	293.57	19.378					
10,200.00	7,245.10	7,249.10	7,249.10	96.46	251.34	-89.72	-1,374.92	-7,270.43	5,593.95	5,299.45	294.50	18.995					
10,300.00	7,245.27	7,249.27	7,249.27	99.14	251.35	-89.72	-1,374.92	-7,270.43	5,499.29	5,203.79	295.49	18.610					
10,400.00	7,245.43	7,249.43	7,249.43	101.82	251.35	-89.73	-1,374.92	-7,270.43	5,404.82	5,108.27	296.55	18.226					
10,500.00	7,245.60	7,249.60	7,249.60	104.51	251.36	-89.73	-1,374.92	-7,270.43	5,310.55	5,012.90	297.66	17.841					
10,600.00	7,245.77	7,249.77	7,249.77	107.21	251.37	-89.74	-1,374.92	-7,270.43	5,216.50	4,917.67	298.84	17.456					
10,700.00	7,245.93	7,249.93	7,249.93	109.92	251.37	-89.74	-1,374.92	-7,270.43	5,122.68	4,822.60	300.08	17.071					
10,800.00	7,246.10	7,250.10	7,250.10	112.64	251.38	-89.75	-1,374.92	-7,270.43	5,029.09	4,727.70	301.39	16.686					
10,900.00	7,246.27	7,250.27	7,250.27	115.37	251.38	-89.75	-1,374.92	-7,270.43	4,935.75	4,632.98	302.77	16.302					
11,000.00	7,246.43	7,250.43	7,250.43	118.10	251.39	-89.76	-1,374.92	-7,270.43	4,842.68	4,538.45	304.23	15.918					
11,100.00	7,246.60	7,250.60	7,250.60	120.84	251.39	-89.77	-1,374.92	-7,270.43	4,749.89	4,444.12	305.77	15.534					
11,200.00	7,246.77	7,250.77	7,250.77	123.58	251.40	-89.77	-1,374.92	-7,270.43	4,657.40	4,350.01	307.39	15.152					
11,300.00	7,246.93	7,250.93	7,250.93	126.34	251.41	-89.78	-1,374.92	-7,270.43	4,565.22	4,256.13	309.09	14.770					
11,340.34	7,247.00	7,251.00	7,251.00	127.45	251.41	-89.78	-1,374.92	-7,270.43	4,528.14	4,218.33	309.81	14.616					
11,400.00	7,247.10	7,251.10	7,251.10	129.09	251.41	-89.76	-1,374.92	-7,270.43	4,473.14	4,162.28	310.86	14.390					
11,500.00	7,247.27	7,251.27	7,251.27	131.84	251.42	-89.73	-1,374.92	-7,270.43	4,380.17	4,067.59	312.58	14.013					
11,586.15	7,247.43	7,251.43	7,251.43	134.20	251.42	-89.70	-1,374.92	-7,270.43	4,299.31	3,985.30	314.01	13.692					
11,600.00	7,247.45	7,251.45	7,251.45	134.57	251.42	-89.71	-1,374.92	-7,270.43	4,286.25	3,972.02	314.23	13.640					
11,700.00	7,247.64	7,251.64	7,251.64	137.31	251.43	-89.71	-1,374.92	-7,270.43	4,192.16	3,876.25	315.91	13.270					
11,800.00	7,247.82	7,251.82	7,251.82	140.05	251.44	-89.72	-1,374.92	-7,270.43	4,098.35	3,780.68	317.67	12.901					
11,900.00	7,248.00	7,252.00	7,252.00	142.79	251.44	-89.73	-1,374.92	-7,270.43	4,004.84	3,685.32	319.52	12.534					
12,000.00	7,248.18	7,252.18	7,252.18	145.53	251.45	-89.74	-1,374.92	-7,270.43	3,911.65	3,590.18	321.48	12.168					
12,100.00	7,248.37	7,252.37	7,252.37	148.28	251.46	-89.74	-1,374.92	-7,270.43	3,818.81	3,495.27	323.53	11.804					
12,200.00	7,248.55	7,252.55	7,252.55	151.04	251.46	-89.75	-1,374.92	-7,270.43	3,726.33	3,400.63	325.70	11.441					
12,300.00	7,248.73	7,252.73	7,252.73	153.80	251.47	-89.76	-1,374.92	-7,270.43	3,634.25	3,306.27	327.98	11.081					
12,400.00	7,248.91	7,252.91	7,252.91	156.56	251.48	-89.76	-1,374.92	-7,270.43	3,542.61	3,212.22	330.39	10.722					
12,500.00	7,249.10	7,253.10	7,253.10	159.32	251.48	-89.77	-1,374.92	-7,270.43	3,451.42	3,118.49	332.93	10.367					
12,600.00	7,249.28	7,253.28	7,253.28	162.09	251.49	-89.78	-1,374.92	-7,270.43	3,360.74	3,025.13	335.62	10.014					
12,700.00	7,249.46	7,253.46	7,253.46	164.86	251.49	-89.79	-1,374.92	-7,270.43	3,270.60	2,932.15	338.45	9.663					
12,800.00	7,249.64	7,253.64	7,253.64	167.63	251.50	-89.79	-1,374.92	-7,270.43	3,181.06	2,839.61	341.45	9.316					
12,900.00	7,249.83	7,253.83	7,253.83	170.40	251.51	-89.80	-1,374.92	-7,270.43	3,092.15	2,747.54	344.61	8.973					
13,000.00	7,250.01	7,254.01	7,254.01	173.18	251.51	-89.81	-1,374.92	-7,270.43	3,003.94	2,655.98	347.96	8.633					
13,100.00	7,250.19	7,254.19	7,254.19	175.96	251.52	-89.82	-1,374.92	-7,270.43	2,916.49	2,564.99	351.50	8.297					
13,200.00	7,250.37	7,254.37	7,254.37	178.74	251.53	-89.82	-1,374.92	-7,270.43	2,829.87	2,474.62	355.25	7.966					
13,300.00	7,250.56	7,254.56	7,254.56	181.52	251.53	-89.83	-1,374.92	-7,270.43	2,744.16	2,384.95	359.22	7.639					
13,400.00	7,250.74	7,254.74	7,254.74	184.31	251.54	-89.84	-1,374.92	-7,270.43	2,659.45	2,296.04	363.41	7.318					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-34(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
13,500.00	7,250.92	7,254.92	7,254.92	187.09	251.55	-89.84	-1,374.92	-7,270.43	2,575.84	2,207.98	367.86	7.002			
13,600.00	7,251.10	7,255.10	7,255.10	189.88	251.55	-89.85	-1,374.92	-7,270.43	2,493.43	2,120.87	372.56	6.693			
13,700.00	7,251.29	7,255.29	7,255.29	192.67	251.56	-89.86	-1,374.92	-7,270.43	2,412.36	2,034.83	377.53	6.390			
13,800.00	7,251.47	7,255.47	7,255.47	195.47	251.56	-89.87	-1,374.92	-7,270.43	2,332.75	1,949.97	382.79	6.094			
13,900.00	7,251.65	7,255.65	7,255.65	198.26	251.57	-89.87	-1,374.92	-7,270.43	2,254.77	1,866.44	388.33	5.806			
14,000.00	7,251.83	7,255.83	7,255.83	201.05	251.58	-89.88	-1,374.92	-7,270.43	2,178.59	1,784.41	394.18	5.527			
14,100.00	7,252.01	7,256.01	7,256.01	203.85	251.58	-89.89	-1,374.92	-7,270.43	2,104.41	1,704.07	400.33	5.257			
14,200.00	7,252.20	7,256.20	7,256.20	206.65	251.59	-89.90	-1,374.92	-7,270.43	2,032.43	1,625.65	406.78	4.996			
14,300.00	7,252.38	7,256.38	7,256.38	209.45	251.60	-89.90	-1,374.92	-7,270.43	1,962.92	1,549.39	413.53	4.747			
14,400.00	7,252.56	7,256.56	7,256.56	212.25	251.60	-89.91	-1,374.92	-7,270.43	1,896.13	1,475.59	420.54	4.509			
14,500.00	7,252.74	7,256.74	7,256.74	215.05	251.61	-89.92	-1,374.92	-7,270.43	1,832.37	1,404.56	427.80	4.283			
14,600.00	7,252.93	7,256.93	7,256.93	217.86	251.62	-89.92	-1,374.92	-7,270.43	1,771.96	1,336.69	435.26	4.071			
14,700.00	7,253.11	7,257.11	7,257.11	220.66	251.62	-89.93	-1,374.92	-7,270.43	1,715.25	1,272.40	442.86	3.873			
14,800.00	7,253.29	7,257.29	7,257.29	223.47	251.63	-89.94	-1,374.92	-7,270.43	1,662.63	1,212.13	450.50	3.691			
14,900.00	7,253.47	7,257.47	7,257.47	226.27	251.63	-89.95	-1,374.92	-7,270.43	1,614.50	1,156.40	458.10	3.524			
15,000.00	7,253.66	7,257.66	7,257.66	229.08	251.64	-89.95	-1,374.92	-7,270.43	1,571.26	1,105.75	465.52	3.375			
15,100.00	7,253.84	7,257.84	7,257.84	231.89	251.65	-89.96	-1,374.92	-7,270.43	1,533.34	1,060.73	472.61	3.244			
15,200.00	7,254.02	7,258.02	7,258.02	234.70	251.65	-89.97	-1,374.92	-7,270.43	1,501.13	1,021.91	479.22	3.132			
15,300.00	7,254.20	7,258.20	7,258.20	237.51	251.66	-89.98	-1,374.92	-7,270.43	1,475.01	989.84	485.17	3.040			
15,400.00	7,254.39	7,258.39	7,258.39	240.32	251.67	-89.98	-1,374.92	-7,270.43	1,455.31	964.99	490.31	2.968			
15,500.00	7,254.57	7,258.57	7,258.57	243.13	251.67	-89.99	-1,374.92	-7,270.43	1,442.28	947.79	494.49	2.917			
15,600.00	7,254.75	7,258.75	7,258.75	245.94	251.68	-90.00	-1,374.92	-7,270.43	1,436.12	938.53	497.59	2.886			
15,638.70	7,254.82	7,258.82	7,258.82	247.03	251.68	-90.00	-1,374.92	-7,270.43	1,435.60	937.12	498.48	2.880 CC, ES			
15,700.00	7,254.93	7,258.93	7,258.93	248.76	251.69	-90.00	-1,374.92	-7,270.43	1,436.91	937.38	499.53	2.877 SF			
15,800.00	7,255.12	7,259.12	7,259.12	251.57	251.69	-90.01	-1,374.92	-7,270.43	1,444.63	944.34	500.30	2.888			
15,900.00	7,255.30	7,259.30	7,259.30	254.39	251.70	-90.02	-1,374.92	-7,270.43	1,459.18	959.27	499.91	2.919			
16,000.00	7,255.48	7,259.48	7,259.48	257.20	251.70	-90.03	-1,374.92	-7,270.43	1,480.36	981.92	498.45	2.970			
16,100.00	7,255.66	7,259.66	7,259.66	260.02	251.71	-90.03	-1,374.92	-7,270.43	1,507.89	1,011.88	496.01	3.040			
16,200.00	7,255.85	7,259.85	7,259.85	262.84	251.72	-90.04	-1,374.92	-7,270.43	1,541.43	1,048.68	492.75	3.128			
16,300.00	7,256.03	7,260.03	7,260.03	265.65	251.72	-90.05	-1,374.92	-7,270.43	1,580.59	1,091.79	488.79	3.234			
16,400.00	7,256.21	7,260.21	7,260.21	268.47	251.73	-90.06	-1,374.92	-7,270.43	1,624.97	1,140.66	484.30	3.355			
16,500.00	7,256.39	7,260.39	7,260.39	271.29	251.74	-90.06	-1,374.92	-7,270.43	1,674.15	1,194.73	479.42	3.492			
16,600.00	7,256.58	7,260.58	7,260.58	274.11	251.74	-90.07	-1,374.92	-7,270.43	1,727.73	1,253.46	474.26	3.643			
16,700.00	7,256.76	7,260.76	7,260.76	276.93	251.75	-90.08	-1,374.92	-7,270.43	1,785.30	1,316.35	468.95	3.807			
16,800.00	7,256.94	7,260.94	7,260.94	279.75	251.76	-90.08	-1,374.92	-7,270.43	1,846.50	1,382.93	463.57	3.983			
16,900.00	7,257.12	7,261.12	7,261.12	282.57	251.76	-90.09	-1,374.92	-7,270.43	1,910.97	1,452.78	458.19	4.171			
17,000.00	7,257.30	7,261.30	7,261.30	285.40	251.77	-90.10	-1,374.92	-7,270.43	1,978.40	1,525.52	452.89	4.368			
17,100.00	7,257.49	7,261.49	7,261.49	288.22	251.77	-90.11	-1,374.92	-7,270.43	2,048.50	1,600.81	447.69	4.576			
17,200.00	7,257.67	7,261.67	7,261.67	291.04	251.78	-90.11	-1,374.92	-7,270.43	2,120.99	1,678.36	442.64	4.792			
17,300.00	7,257.85	7,261.85	7,261.85	293.87	251.79	-90.12	-1,374.92	-7,270.43	2,195.65	1,757.90	437.75	5.016			
17,400.00	7,258.03	7,262.03	7,262.03	296.69	251.79	-90.13	-1,374.92	-7,270.43	2,272.25	1,839.21	433.04	5.247			
17,500.00	7,258.22	7,262.22	7,262.22	299.51	251.80	-90.14	-1,374.92	-7,270.43	2,350.61	1,922.10	428.52	5.485			
17,600.00	7,258.40	7,262.40	7,262.40	302.34	251.81	-90.14	-1,374.92	-7,270.43	2,430.56	2,006.38	424.19	5.730			
17,700.00	7,258.58	7,262.58	7,262.58	305.16	251.81	-90.15	-1,374.92	-7,270.43	2,511.95	2,091.90	420.05	5.980			
17,800.00	7,258.76	7,262.76	7,262.76	307.99	251.82	-90.16	-1,374.92	-7,270.43	2,594.64	2,178.54	416.10	6.236			
17,900.00	7,258.95	7,262.95	7,262.95	310.82	251.83	-90.16	-1,374.92	-7,270.43	2,678.51	2,266.17	412.34	6.496			
18,000.00	7,259.13	7,263.13	7,263.13	313.64	251.83	-90.17	-1,374.92	-7,270.43	2,763.45	2,354.70	408.75	6.761			
18,100.00	7,259.31	7,263.31	7,263.31	316.47	251.84	-90.18	-1,374.92	-7,270.43	2,849.37	2,444.03	405.34	7.030			
18,200.00	7,259.49	7,263.49	7,263.49	319.30	251.84	-90.19	-1,374.92	-7,270.43	2,936.19	2,534.09	402.09	7.302			
18,300.00	7,259.68	7,263.68	7,263.68	322.12	251.85	-90.19	-1,374.92	-7,270.43	3,023.81	2,624.81	399.00	7.578			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-34(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,263.86	7,263.86	324.95	251.86	-90.20	-1,374.92	-7,270.43	3,112.19	2,716.13	396.06	7.858		
18,500.00	7,260.04	7,264.04	7,264.04	327.78	251.86	-90.21	-1,374.92	-7,270.43	3,201.24	2,807.99	393.26	8.140		
18,600.00	7,260.22	7,264.22	7,264.22	330.61	251.87	-90.22	-1,374.92	-7,270.43	3,290.93	2,900.34	390.59	8.425		
18,700.00	7,260.41	7,264.41	7,264.41	333.44	251.88	-90.22	-1,374.92	-7,270.43	3,381.20	2,993.14	388.05	8.713		
18,800.00	7,260.59	7,264.59	7,264.59	336.27	251.88	-90.23	-1,374.92	-7,270.43	3,471.99	3,086.36	385.64	9.003		
18,900.00	7,260.77	7,264.77	7,264.77	339.10	251.89	-90.24	-1,374.92	-7,270.43	3,563.29	3,179.96	383.33	9.296		
19,000.00	7,260.95	7,264.95	7,264.95	341.93	251.90	-90.24	-1,374.92	-7,270.43	3,655.03	3,273.90	381.13	9.590		
19,025.91	7,261.00	7,265.00	7,265.00	342.66	251.90	-90.25	-1,374.92	-7,270.43	3,678.88	3,298.30	380.58	9.667		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-43(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	10.00	10.00	3.28	3.28	-87.91	203.54	-5,576.64	5,580.35					
100.00	100.00	110.00	110.00	3.28	3.89	-87.91	203.54	-5,576.64	5,580.35	5,573.18	7.18	777.593		
200.00	200.00	210.00	210.00	3.34	6.48	-87.91	203.54	-5,576.64	5,580.35	5,570.54	9.81	568.583		
300.00	299.98	309.98	309.98	3.44	9.65	-178.62	203.54	-5,576.64	5,582.10	5,569.00	13.09	426.336		
400.00	399.84	409.84	409.84	3.60	12.98	-178.62	203.54	-5,576.64	5,587.33	5,570.75	16.58	336.929		
500.00	499.45	509.45	509.45	3.81	16.37	-178.62	203.54	-5,576.64	5,596.04	5,575.87	20.18	277.360		
600.00	598.70	608.70	608.70	4.05	19.78	-178.61	203.54	-5,576.64	5,608.22	5,584.40	23.83	235.357		
700.00	697.47	707.47	707.47	4.34	23.19	-178.61	203.54	-5,576.64	5,623.86	5,596.35	27.52	204.381		
800.00	795.62	805.62	805.62	4.66	26.58	-178.60	203.54	-5,576.64	5,642.94	5,611.71	31.22	180.724		
849.22	843.68	853.68	853.68	4.84	28.25	-178.60	203.54	-5,576.64	5,653.58	5,620.53	33.06	171.033		
900.00	893.16	903.16	903.16	5.02	29.96	-178.60	203.54	-5,576.64	5,664.99	5,630.05	34.94	162.124		
1,000.00	990.60	1,000.60	1,000.60	5.41	33.35	-178.61	203.54	-5,576.64	5,687.45	5,648.78	38.67	147.073		
1,100.00	1,088.05	1,101.95	1,098.05	5.83	36.87	-178.62	203.54	-5,576.64	5,709.91	5,667.36	42.56	134.172		
1,200.00	1,185.49	1,204.51	1,195.49	6.26	40.44	-178.62	203.54	-5,576.64	5,732.37	5,685.87	46.50	123.273		
1,300.00	1,282.93	1,307.07	1,292.93	6.70	44.01	-178.63	203.54	-5,576.64	5,754.84	5,704.38	50.46	114.047		
1,400.00	1,380.37	1,409.63	1,390.37	7.15	47.58	-178.63	203.54	-5,576.64	5,777.30	5,722.87	54.43	106.140		
1,500.00	1,477.82	1,487.82	1,487.82	7.62	50.30	-178.64	203.54	-5,576.64	5,799.76	5,742.20	57.56	100.757		
1,600.00	1,575.26	1,585.26	1,585.26	8.09	53.70	-178.64	203.54	-5,576.64	5,822.22	5,760.85	61.37	94.868		
1,700.00	1,672.70	1,682.70	1,682.70	8.57	57.09	-178.65	203.54	-5,576.64	5,844.69	5,779.50	65.19	89.659		
1,800.00	1,770.15	1,780.15	1,780.15	9.05	60.49	-178.65	203.54	-5,576.64	5,867.15	5,798.14	69.01	85.019		
1,900.00	1,867.59	1,877.59	1,877.59	9.54	63.89	-178.66	203.54	-5,576.64	5,889.61	5,816.78	72.84	80.860		
2,000.00	1,965.03	1,975.03	1,975.03	10.03	67.28	-178.66	203.54	-5,576.64	5,912.08	5,835.41	76.67	77.113		
2,100.00	2,062.48	2,072.48	2,072.48	10.53	70.68	-178.67	203.54	-5,576.64	5,934.54	5,854.04	80.50	73.719		
2,200.00	2,159.92	2,169.92	2,169.92	11.03	74.08	-178.67	203.54	-5,576.64	5,957.00	5,872.66	84.34	70.630		
2,300.00	2,257.36	2,267.36	2,267.36	11.53	77.48	-178.68	203.54	-5,576.64	5,979.46	5,891.28	88.18	67.809		
2,400.00	2,354.81	2,364.81	2,364.81	12.03	80.88	-178.68	203.54	-5,576.64	6,001.93	5,909.90	92.02	65.221		
2,500.00	2,452.25	2,462.25	2,462.25	12.54	84.28	-178.69	203.54	-5,576.64	6,024.39	5,928.52	95.87	62.839		
2,600.00	2,549.69	2,559.69	2,559.69	13.04	87.67	-178.69	203.54	-5,576.64	6,046.85	5,947.14	99.72	60.640		
2,700.00	2,647.13	2,657.13	2,657.13	13.55	91.07	-178.70	203.54	-5,576.64	6,069.32	5,965.75	103.57	58.604		
2,800.00	2,744.58	2,754.58	2,754.58	14.06	94.47	-178.70	203.54	-5,576.64	6,091.78	5,984.36	107.42	56.712		
2,900.00	2,842.02	2,852.02	2,852.02	14.57	97.87	-178.71	203.54	-5,576.64	6,114.24	6,002.98	111.27	54.951		
3,000.00	2,939.46	2,949.46	2,949.46	15.09	101.27	-178.71	203.54	-5,576.64	6,136.71	6,021.59	115.12	53.307		
3,100.00	3,036.91	3,046.91	3,046.91	15.60	104.67	-178.72	203.54	-5,576.64	6,159.17	6,040.20	118.97	51.769		
3,200.00	3,134.35	3,144.35	3,144.35	16.11	108.07	-178.72	203.54	-5,576.64	6,181.63	6,058.80	122.83	50.327		
3,300.00	3,231.79	3,241.79	3,241.79	16.63	111.47	-178.73	203.54	-5,576.64	6,204.10	6,077.41	126.69	48.972		
3,400.00	3,329.24	3,339.24	3,339.24	17.14	114.87	-178.73	203.54	-5,576.64	6,226.56	6,096.02	130.54	47.697		
3,500.00	3,426.68	3,436.68	3,436.68	17.66	118.27	-178.74	203.54	-5,576.64	6,249.02	6,114.62	134.40	46.495		
3,600.00	3,524.12	3,534.12	3,534.12	18.18	121.68	-178.74	203.54	-5,576.64	6,271.49	6,133.23	138.26	45.360		
3,700.00	3,621.57	3,631.57	3,631.57	18.69	125.08	-178.74	203.54	-5,576.64	6,293.95	6,151.83	142.12	44.287		
3,800.00	3,719.01	3,729.01	3,729.01	19.21	128.48	-178.75	203.54	-5,576.64	6,316.41	6,170.44	145.98	43.270		
3,900.00	3,816.45	3,826.45	3,826.45	19.73	131.88	-178.75	203.54	-5,576.64	6,338.88	6,189.04	149.84	42.305		
4,000.00	3,913.90	3,923.90	3,923.90	20.25	135.28	-178.76	203.54	-5,576.64	6,361.34	6,207.64	153.70	41.388		
4,100.00	4,011.34	4,021.34	4,021.34	20.77	138.68	-178.76	203.54	-5,576.64	6,383.81	6,226.24	157.56	40.517		
4,200.00	4,108.78	4,118.78	4,118.78	21.29	142.08	-178.77	203.54	-5,576.64	6,406.27	6,244.85	161.42	39.686		
4,300.00	4,206.22	4,216.22	4,216.22	21.81	145.48	-178.77	203.54	-5,576.64	6,428.73	6,263.45	165.28	38.895		
4,400.00	4,303.67	4,313.67	4,313.67	22.33	148.88	-178.77	203.54	-5,576.64	6,451.20	6,282.05	169.15	38.140		
4,500.00	4,401.11	4,411.11	4,411.11	22.85	152.28	-178.78	203.54	-5,576.64	6,473.66	6,300.65	173.01	37.418		
4,600.00	4,498.55	4,508.55	4,508.55	23.37	155.68	-178.78	203.54	-5,576.64	6,496.12	6,319.25	176.87	36.728		
4,700.00	4,596.00	4,606.00	4,606.00	23.89	159.08	-178.79	203.54	-5,576.64	6,518.59	6,337.85	180.74	36.067		
4,800.00	4,693.44	4,703.44	4,703.44	24.41	162.49	-178.79	203.54	-5,576.64	6,541.05	6,356.45	184.60	35.434		
4,900.00	4,790.88	4,800.88	4,800.88	24.93	165.89	-178.80	203.54	-5,576.64	6,563.52	6,375.05	188.46	34.826		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Montera #10-43(SI) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
5,000.00	4,888.33	4,901.67	4,898.33	25.46	169.40	-178.80	203.54	-5,576.64	6,585.98	6,393.53	192.45	34.222					
5,100.00	4,985.77	5,004.23	4,995.77	25.98	172.98	-178.80	203.54	-5,576.64	6,608.44	6,411.95	196.49	33.633					
5,200.00	5,083.21	5,106.79	5,093.21	26.50	176.56	-178.81	203.54	-5,576.64	6,630.91	6,430.37	200.53	33.066					
5,300.00	5,180.66	5,209.34	5,190.66	27.02	180.14	-178.81	203.54	-5,576.64	6,653.37	6,448.80	204.58	32.523					
5,400.00	5,278.10	5,288.10	5,288.10	27.55	182.89	-178.82	203.54	-5,576.64	6,675.84	6,468.05	207.79	32.128					
5,500.00	5,375.54	5,385.54	5,385.54	28.07	186.29	-178.82	203.54	-5,576.64	6,698.30	6,486.64	211.66	31.647					
5,582.90	5,456.32	5,466.32	5,466.32	28.50	189.11	-178.82	203.54	-5,576.64	6,716.92	6,502.06	214.86	31.262					
5,600.00	5,473.00	5,483.00	5,483.00	28.59	189.69	-178.83	203.54	-5,576.64	6,720.71	6,505.19	215.52	31.184					
5,700.00	5,570.93	5,580.93	5,580.93	29.10	193.11	-178.84	203.54	-5,576.64	6,740.89	6,521.49	219.40	30.724					
5,800.00	5,669.52	5,679.52	5,679.52	29.57	196.55	-178.85	203.54	-5,576.64	6,757.64	6,534.35	223.29	30.264					
5,900.00	5,768.62	5,778.62	5,778.62	30.03	200.01	-178.85	203.54	-5,576.64	6,770.93	6,543.74	227.19	29.803					
6,000.00	5,868.13	5,878.13	5,878.13	30.45	203.49	-178.86	203.54	-5,576.64	6,780.76	6,549.67	231.09	29.342					
6,100.00	5,967.93	5,977.93	5,977.93	30.86	206.97	-178.86	203.54	-5,576.64	6,787.11	6,552.12	234.99	28.882					
6,200.00	6,067.88	6,077.88	6,077.88	31.24	210.46	-178.87	203.54	-5,576.64	6,789.98	6,551.09	238.89	28.423					
6,232.12	6,100.00	6,110.00	6,110.00	31.36	211.58	-88.16	203.54	-5,576.64	6,790.16	6,550.02	240.14	28.276					
6,300.00	6,167.88	6,177.88	6,177.88	31.61	213.95	-88.16	203.54	-5,576.64	6,790.16	6,547.39	242.76	27.970					
6,400.00	6,267.88	6,277.88	6,277.88	31.97	217.44	-88.16	203.54	-5,576.64	6,790.16	6,543.52	246.64	27.531					
6,500.00	6,367.88	6,377.88	6,377.88	32.34	220.93	-88.16	203.54	-5,576.64	6,790.16	6,539.65	250.51	27.106					
6,600.00	6,467.88	6,477.88	6,477.88	32.70	224.42	-88.16	203.54	-5,576.64	6,790.16	6,535.78	254.38	26.693					
6,700.00	6,567.88	6,577.88	6,577.88	33.07	227.91	-88.16	203.54	-5,576.64	6,790.16	6,531.90	258.26	26.292					
6,736.50	6,604.38	6,614.38	6,614.38	33.21	229.19	-88.16	203.54	-5,576.64	6,790.16	6,530.48	259.67	26.149					
6,750.00	6,617.88	6,627.88	6,627.88	33.25	229.66	-1.06	203.54	-5,576.64	6,790.01	6,529.82	260.19	26.096					
6,800.00	6,667.77	6,677.77	6,677.77	33.43	231.40	-1.07	203.54	-5,576.64	6,786.99	6,524.89	262.11	25.894					
6,850.00	6,717.28	6,727.28	6,727.28	33.60	233.13	-1.08	203.54	-5,576.64	6,780.07	6,516.08	263.99	25.683					
6,900.00	6,766.09	6,776.09	6,776.09	33.79	234.83	-1.10	203.54	-5,576.64	6,769.28	6,503.44	265.84	25.464					
6,950.00	6,813.90	6,823.90	6,823.90	33.99	236.50	-1.13	203.54	-5,576.64	6,754.70	6,487.07	267.63	25.239					
7,000.00	6,860.42	6,870.42	6,870.42	34.20	238.12	-1.17	203.54	-5,576.64	6,736.41	6,467.05	269.36	25.009					
7,050.00	6,905.36	6,915.36	6,915.36	34.42	239.69	-1.22	203.54	-5,576.64	6,714.53	6,443.50	271.02	24.775					
7,100.00	6,948.45	6,958.45	6,958.45	34.67	241.20	-1.28	203.54	-5,576.64	6,689.19	6,416.59	272.60	24.538					
7,150.00	6,989.41	7,000.59	6,999.41	34.94	242.67	-1.36	203.54	-5,576.64	6,660.55	6,386.42	274.13	24.297					
7,200.00	7,028.00	7,038.00	7,038.00	35.24	243.97	-1.46	203.54	-5,576.64	6,628.78	6,353.30	275.48	24.063					
7,250.00	7,063.98	7,073.98	7,073.98	35.56	245.23	-1.58	203.54	-5,576.64	6,594.08	6,317.32	276.77	23.826					
7,300.00	7,097.13	7,107.13	7,107.13	35.92	246.39	-1.74	203.54	-5,576.64	6,556.67	6,278.73	277.94	23.590					
7,350.00	7,127.23	7,137.23	7,137.23	36.32	247.44	-1.94	203.54	-5,576.64	6,516.78	6,237.78	279.00	23.358					
7,400.00	7,154.12	7,164.12	7,164.12	36.75	248.38	-2.21	203.54	-5,576.64	6,474.64	6,194.71	279.94	23.129					
7,450.00	7,177.61	7,187.61	7,187.61	37.22	249.20	-2.58	203.54	-5,576.64	6,430.53	6,149.78	280.75	22.905					
7,500.00	7,197.57	7,207.57	7,207.57	37.73	249.89	-3.11	203.54	-5,576.64	6,384.71	6,103.28	281.43	22.686					
7,550.00	7,213.88	7,223.88	7,223.88	38.28	250.46	-3.93	203.54	-5,576.64	6,337.47	6,055.48	281.99	22.474					
7,600.00	7,226.42	7,236.42	7,236.42	38.87	250.90	-5.37	203.54	-5,576.64	6,289.09	6,006.68	282.41	22.269					
7,650.00	7,235.13	7,245.13	7,245.13	39.48	251.20	-8.47	203.54	-5,576.64	6,239.88	5,957.17	282.70	22.072					
7,700.00	7,239.95	7,249.95	7,249.95	40.12	251.37	-19.54	203.54	-5,576.64	6,190.13	5,907.27	282.86	21.884					
7,735.44	7,241.00	7,251.00	7,251.00	40.59	251.41	-85.35	203.54	-5,576.64	6,154.72	5,871.82	282.90	21.756					
7,800.00	7,241.11	7,251.11	7,251.11	41.47	251.41	-85.39	203.54	-5,576.64	6,090.17	5,807.27	282.90	21.527					
7,900.00	7,241.27	7,251.27	7,251.27	42.96	251.42	-85.47	203.54	-5,576.64	5,990.19	5,707.28	282.91	21.173					
8,000.00	7,241.44	7,251.44	7,251.44	44.59	251.42	-85.55	203.54	-5,576.64	5,890.22	5,607.30	282.92	20.819					
8,100.00	7,241.61	7,251.61	7,251.61	46.34	251.43	-85.62	203.54	-5,576.64	5,790.24	5,507.31	282.93	20.465					
8,200.00	7,241.77	7,251.77	7,251.77	48.20	251.44	-85.70	203.54	-5,576.64	5,690.26	5,407.33	282.94	20.111					
8,300.00	7,241.94	7,251.94	7,251.94	50.16	251.44	-85.77	203.54	-5,576.64	5,590.29	5,307.34	282.95	19.757					
8,400.00	7,242.11	7,252.11	7,252.11	52.20	251.45	-85.85	203.54	-5,576.64	5,490.32	5,207.35	282.97	19.403					
8,500.00	7,242.27	7,252.27	7,252.27	54.31	251.45	-85.92	203.54	-5,576.64	5,390.34	5,107.36	282.98	19.048					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-43(SI) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,600.00	7,242.44	7,252.44	7,252.44	56.49	251.46	-86.00	203.54	-5,576.64	5,290.37	5,007.37	283.00	18.694			
8,700.00	7,242.60	7,252.60	7,252.60	58.73	251.46	-86.07	203.54	-5,576.64	5,190.40	4,907.38	283.02	18.340			
8,800.00	7,242.77	7,252.77	7,252.77	61.03	251.47	-86.15	203.54	-5,576.64	5,090.43	4,807.39	283.04	17.985			
8,900.00	7,242.94	7,252.94	7,252.94	63.37	251.48	-86.22	203.54	-5,576.64	4,990.46	4,707.40	283.06	17.630			
9,000.00	7,243.10	7,253.10	7,253.10	65.75	251.48	-86.30	203.54	-5,576.64	4,890.49	4,607.41	283.08	17.276			
9,100.00	7,243.27	7,253.27	7,253.27	68.18	251.49	-86.38	203.54	-5,576.64	4,790.53	4,507.42	283.11	16.921			
9,200.00	7,243.44	7,253.44	7,253.44	70.63	251.49	-86.45	203.54	-5,576.64	4,690.56	4,407.43	283.13	16.567			
9,300.00	7,243.60	7,253.60	7,253.60	73.12	251.50	-86.53	203.54	-5,576.64	4,590.60	4,307.44	283.16	16.212			
9,400.00	7,243.77	7,253.77	7,253.77	75.63	251.51	-86.60	203.54	-5,576.64	4,490.64	4,207.45	283.19	15.857			
9,500.00	7,243.94	7,253.94	7,253.94	78.17	251.51	-86.68	203.54	-5,576.64	4,390.68	4,107.45	283.23	15.502			
9,600.00	7,244.10	7,254.10	7,254.10	80.73	251.52	-86.75	203.54	-5,576.64	4,290.72	4,007.46	283.26	15.148			
9,700.00	7,244.27	7,254.27	7,254.27	83.31	251.52	-86.83	203.54	-5,576.64	4,190.76	3,907.47	283.30	14.793			
9,800.00	7,244.44	7,254.44	7,254.44	85.91	251.53	-86.90	203.54	-5,576.64	4,090.81	3,807.48	283.33	14.438			
9,900.00	7,244.60	7,254.60	7,254.60	88.53	251.53	-86.98	203.54	-5,576.64	3,990.86	3,707.48	283.38	14.083			
10,000.00	7,244.77	7,254.77	7,254.77	91.16	251.54	-87.05	203.54	-5,576.64	3,890.91	3,607.49	283.42	13.728			
10,100.00	7,244.94	7,254.94	7,254.94	93.81	251.55	-87.13	203.54	-5,576.64	3,790.96	3,507.50	283.47	13.374			
10,200.00	7,245.10	7,255.10	7,255.10	96.46	251.55	-87.21	203.54	-5,576.64	3,691.02	3,407.51	283.52	13.019			
10,300.00	7,245.27	7,255.27	7,255.27	99.14	251.56	-87.28	203.54	-5,576.64	3,591.08	3,307.51	283.57	12.664			
10,400.00	7,245.43	7,255.43	7,255.43	101.82	251.56	-87.36	203.54	-5,576.64	3,491.14	3,207.52	283.62	12.309			
10,500.00	7,245.60	7,255.60	7,255.60	104.51	251.57	-87.43	203.54	-5,576.64	3,391.21	3,107.53	283.68	11.954			
10,600.00	7,245.77	7,255.77	7,255.77	107.21	251.58	-87.51	203.54	-5,576.64	3,291.28	3,007.54	283.75	11.599			
10,700.00	7,245.93	7,255.93	7,255.93	109.92	251.58	-87.58	203.54	-5,576.64	3,191.36	2,907.55	283.81	11.245			
10,800.00	7,246.10	7,256.10	7,256.10	112.64	251.59	-87.66	203.54	-5,576.64	3,091.44	2,807.55	283.88	10.890			
10,900.00	7,246.27	7,256.27	7,256.27	115.37	251.59	-87.74	203.54	-5,576.64	2,991.52	2,707.56	283.96	10.535			
11,000.00	7,246.43	7,256.43	7,256.43	118.10	251.60	-87.81	203.54	-5,576.64	2,891.62	2,607.57	284.05	10.180			
11,100.00	7,246.60	7,256.60	7,256.60	120.84	251.60	-87.89	203.54	-5,576.64	2,791.71	2,507.58	284.14	9.825			
11,200.00	7,246.77	7,256.77	7,256.77	123.58	251.61	-87.96	203.54	-5,576.64	2,691.82	2,407.59	284.23	9.470			
11,300.00	7,246.93	7,256.93	7,256.93	126.34	251.62	-88.04	203.54	-5,576.64	2,591.93	2,307.59	284.34	9.116			
11,340.34	7,247.00	7,257.00	7,257.00	127.45	251.62	-88.07	203.54	-5,576.64	2,551.64	2,267.26	284.39	8.972			
11,400.00	7,247.10	7,257.10	7,257.10	129.09	251.62	-86.69	203.54	-5,576.64	2,492.03	2,207.58	284.45	8.761			
11,500.00	7,247.27	7,257.27	7,257.27	131.84	251.63	70.37	203.54	-5,576.64	2,392.04	2,107.53	284.51	8.407			
11,586.15	7,247.43	7,257.43	7,257.43	134.20	251.63	87.08	203.54	-5,576.64	2,305.92	2,021.39	284.53	8.104			
11,600.00	7,247.45	7,257.45	7,257.45	134.57	251.63	87.10	203.54	-5,576.64	2,292.07	2,007.55	284.53	8.056			
11,700.00	7,247.64	7,257.64	7,257.64	137.31	251.64	87.23	203.54	-5,576.64	2,192.14	1,907.62	284.52	7.705			
11,800.00	7,247.82	7,257.82	7,257.82	140.05	251.65	87.35	203.54	-5,576.64	2,092.21	1,807.71	284.51	7.354			
11,900.00	7,248.00	7,258.00	7,258.00	142.79	251.65	87.48	203.54	-5,576.64	1,992.30	1,707.80	284.49	7.003			
12,000.00	7,248.18	7,258.18	7,258.18	145.53	251.66	87.61	203.54	-5,576.64	1,892.39	1,607.90	284.48	6.652			
12,100.00	7,248.37	7,258.37	7,258.37	148.28	251.67	87.73	203.54	-5,576.64	1,792.49	1,508.01	284.47	6.301			
12,200.00	7,248.55	7,258.55	7,258.55	151.04	251.67	87.86	203.54	-5,576.64	1,692.60	1,408.13	284.46	5.950			
12,300.00	7,248.73	7,258.73	7,258.73	153.80	251.68	87.99	203.54	-5,576.64	1,592.73	1,308.27	284.46	5.599			
12,400.00	7,248.91	7,258.91	7,258.91	156.56	251.69	88.11	203.54	-5,576.64	1,492.87	1,208.41	284.46	5.248			
12,500.00	7,249.10	7,259.10	7,259.10	159.32	251.69	88.24	203.54	-5,576.64	1,393.03	1,108.56	284.47	4.897			
12,600.00	7,249.28	7,259.28	7,259.28	162.09	251.70	88.37	203.54	-5,576.64	1,293.22	1,008.72	284.50	4.546			
12,700.00	7,249.46	7,259.46	7,259.46	164.86	251.70	88.49	203.54	-5,576.64	1,193.44	908.89	284.55	4.194			
12,800.00	7,249.64	7,259.64	7,259.64	167.63	251.71	88.62	203.54	-5,576.64	1,093.70	809.05	284.65	3.842			
12,900.00	7,249.83	7,259.83	7,259.83	170.40	251.72	88.75	203.54	-5,576.64	994.02	709.20	284.82	3.490			
13,000.00	7,250.01	7,260.01	7,260.01	173.18	251.72	88.87	203.54	-5,576.64	894.40	609.31	285.09	3.137			
13,100.00	7,250.19	7,260.19	7,260.19	175.96	251.73	89.00	203.54	-5,576.64	794.88	509.32	285.56	2.784			
13,200.00	7,250.37	7,260.37	7,260.37	178.74	251.74	89.13	203.54	-5,576.64	695.50	409.15	286.35	2.429			
13,300.00	7,250.56	7,260.56	7,260.56	181.52	251.74	89.25	203.54	-5,576.64	596.32	308.59	287.73	2.073			
13,400.00	7,250.74	7,260.74	7,260.74	184.31	251.75	89.38	203.54	-5,576.64	497.48	207.27	290.20	1.714			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-43(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,500.00	7,250.92	7,260.92	7,260.92	187.09	251.76	89.51	203.54	-5,576.64	399.21	104.33	294.87	1.354	Level 3	
13,600.00	7,251.10	7,261.10	7,261.10	189.88	251.76	89.63	203.54	-5,576.64	302.07	-2.20	304.27	0.993	Level 1	
13,700.00	7,251.29	7,261.29	7,261.29	192.67	251.77	89.76	203.54	-5,576.64	207.68	-117.45	325.13	0.639	Level 1	
13,800.00	7,251.47	7,261.47	7,261.47	195.47	251.77	89.89	203.54	-5,576.64	122.52	-255.22	377.74	0.324	Level 1	
13,890.59	7,251.63	7,261.63	7,261.63	198.00	251.78	90.00	203.54	-5,576.64	82.49	-366.99	449.48	0.184	Level 1, CC, ES, SF	
13,900.00	7,251.65	7,261.65	7,261.65	198.26	251.78	90.01	203.54	-5,576.64	83.02	-366.69	449.72	0.185	Level 1	
14,000.00	7,251.83	7,261.83	7,261.83	201.05	251.79	90.14	203.54	-5,576.64	137.02	-246.93	383.95	0.357	Level 1	
14,100.00	7,252.01	7,262.01	7,262.01	203.85	251.79	90.27	203.54	-5,576.64	225.07	-116.92	341.99	0.658	Level 1	
14,200.00	7,252.20	7,262.20	7,262.20	206.65	251.80	90.39	203.54	-5,576.64	320.22	-3.00	323.21	0.991	Level 1	
14,300.00	7,252.38	7,262.38	7,262.38	209.45	251.81	90.52	203.54	-5,576.64	417.64	104.29	313.35	1.333	Level 3	
14,400.00	7,252.56	7,262.56	7,262.56	212.25	251.81	90.65	203.54	-5,576.64	516.04	208.55	307.49	1.678		
14,500.00	7,252.74	7,262.74	7,262.74	215.05	251.82	90.77	203.54	-5,576.64	614.97	311.27	303.70	2.025		
14,600.00	7,252.93	7,262.93	7,262.93	217.86	251.83	90.90	203.54	-5,576.64	714.19	413.10	301.09	2.372		
14,700.00	7,253.11	7,263.11	7,263.11	220.66	251.83	91.03	203.54	-5,576.64	813.60	514.38	299.22	2.719		
14,800.00	7,253.29	7,263.29	7,263.29	223.47	251.84	91.15	203.54	-5,576.64	913.14	615.32	297.82	3.066		
14,900.00	7,253.47	7,263.47	7,263.47	226.27	251.84	91.28	203.54	-5,576.64	1,012.77	716.02	296.75	3.413		
15,000.00	7,253.66	7,263.66	7,263.66	229.08	251.85	91.41	203.54	-5,576.64	1,112.47	816.55	295.92	3.759		
15,100.00	7,253.84	7,263.84	7,263.84	231.89	251.86	91.53	203.54	-5,576.64	1,212.22	916.96	295.26	4.106		
15,200.00	7,254.02	7,264.02	7,264.02	234.70	251.86	91.66	203.54	-5,576.64	1,312.00	1,017.28	294.72	4.452		
15,300.00	7,254.20	7,264.20	7,264.20	237.51	251.87	91.79	203.54	-5,576.64	1,411.82	1,117.53	294.29	4.797		
15,400.00	7,254.39	7,264.39	7,264.39	240.32	251.88	91.91	203.54	-5,576.64	1,511.66	1,217.73	293.93	5.143		
15,500.00	7,254.57	7,264.57	7,264.57	243.13	251.88	92.04	203.54	-5,576.64	1,611.52	1,317.88	293.64	5.488		
15,600.00	7,254.75	7,264.75	7,264.75	245.94	251.89	92.16	203.54	-5,576.64	1,711.40	1,418.00	293.40	5.833		
15,700.00	7,254.93	7,264.93	7,264.93	248.76	251.90	92.29	203.54	-5,576.64	1,811.29	1,518.09	293.19	6.178		
15,800.00	7,255.12	7,265.12	7,265.12	251.57	251.90	92.42	203.54	-5,576.64	1,911.19	1,618.16	293.03	6.522		
15,900.00	7,255.30	7,265.30	7,265.30	254.39	251.91	92.54	203.54	-5,576.64	2,011.10	1,718.21	292.89	6.866		
16,000.00	7,255.48	7,265.48	7,265.48	257.20	251.91	92.67	203.54	-5,576.64	2,111.02	1,818.24	292.78	7.210		
16,100.00	7,255.66	7,265.66	7,265.66	260.02	251.92	92.80	203.54	-5,576.64	2,210.94	1,918.26	292.68	7.554		
16,200.00	7,255.85	7,265.85	7,265.85	262.84	251.93	92.92	203.54	-5,576.64	2,310.88	2,018.27	292.61	7.898		
16,300.00	7,256.03	7,266.03	7,266.03	265.65	251.93	93.05	203.54	-5,576.64	2,410.82	2,118.27	292.55	8.241		
16,400.00	7,256.21	7,266.21	7,266.21	268.47	251.94	93.18	203.54	-5,576.64	2,510.76	2,218.25	292.51	8.584		
16,500.00	7,256.39	7,266.39	7,266.39	271.29	251.95	93.30	203.54	-5,576.64	2,610.71	2,318.23	292.47	8.926		
16,600.00	7,256.58	7,266.58	7,266.58	274.11	251.95	93.43	203.54	-5,576.64	2,710.66	2,418.21	292.45	9.269		
16,700.00	7,256.76	7,266.76	7,266.76	276.93	251.96	93.55	203.54	-5,576.64	2,810.61	2,518.17	292.44	9.611		
16,800.00	7,256.94	7,266.94	7,266.94	279.75	251.97	93.68	203.54	-5,576.64	2,910.57	2,618.14	292.44	9.953		
16,900.00	7,257.12	7,267.12	7,267.12	282.57	251.97	93.81	203.54	-5,576.64	3,010.53	2,718.09	292.44	10.294		
17,000.00	7,257.30	7,267.30	7,267.30	285.40	251.98	93.93	203.54	-5,576.64	3,110.50	2,818.04	292.45	10.636		
17,100.00	7,257.49	7,267.49	7,267.49	288.22	251.98	94.06	203.54	-5,576.64	3,210.46	2,917.99	292.47	10.977		
17,200.00	7,257.67	7,267.67	7,267.67	291.04	251.99	94.19	203.54	-5,576.64	3,310.43	3,017.94	292.50	11.318		
17,300.00	7,257.85	7,267.85	7,267.85	293.87	252.00	94.31	203.54	-5,576.64	3,410.40	3,117.88	292.53	11.658		
17,400.00	7,258.03	7,268.03	7,268.03	296.69	252.00	94.44	203.54	-5,576.64	3,510.37	3,217.81	292.56	11.999		
17,500.00	7,258.22	7,268.22	7,268.22	299.51	252.01	94.56	203.54	-5,576.64	3,610.35	3,317.75	292.60	12.339		
17,600.00	7,258.40	7,268.40	7,268.40	302.34	252.02	94.69	203.54	-5,576.64	3,710.32	3,417.68	292.64	12.679		
17,700.00	7,258.58	7,268.58	7,268.58	305.16	252.02	94.82	203.54	-5,576.64	3,810.30	3,517.61	292.69	13.018		
17,800.00	7,258.76	7,268.76	7,268.76	307.99	252.03	94.94	203.54	-5,576.64	3,910.27	3,617.53	292.74	13.357		
17,900.00	7,258.95	7,268.95	7,268.95	310.82	252.04	95.07	203.54	-5,576.64	4,010.25	3,717.46	292.79	13.696		
18,000.00	7,259.13	7,269.13	7,269.13	313.64	252.04	95.19	203.54	-5,576.64	4,110.23	3,817.38	292.85	14.035		
18,100.00	7,259.31	7,269.31	7,269.31	316.47	252.05	95.32	203.54	-5,576.64	4,210.21	3,917.30	292.91	14.374		
18,200.00	7,259.49	7,269.49	7,269.49	319.30	252.05	95.44	203.54	-5,576.64	4,310.19	4,017.22	292.97	14.712		
18,300.00	7,259.68	7,269.68	7,269.68	322.12	252.06	95.57	203.54	-5,576.64	4,410.17	4,117.13	293.04	15.050		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-43(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
18,400.00	7,259.86	7,269.86	7,269.86	324.95	252.07	95.69	203.54	-5,576.64	4,510.16	4,217.05	293.11	15.387		
18,500.00	7,260.04	7,270.04	7,270.04	327.78	252.07	95.82	203.54	-5,576.64	4,610.14	4,316.96	293.18	15.725		
18,600.00	7,260.22	7,270.22	7,270.22	330.61	252.08	95.95	203.54	-5,576.64	4,710.12	4,416.87	293.25	16.062		
18,700.00	7,260.41	7,270.41	7,270.41	333.44	252.09	96.07	203.54	-5,576.64	4,810.11	4,516.78	293.33	16.398		
18,800.00	7,260.59	7,270.59	7,270.59	336.27	252.09	96.20	203.54	-5,576.64	4,910.09	4,616.69	293.41	16.735		
18,900.00	7,260.77	7,270.77	7,270.77	339.10	252.10	96.32	203.54	-5,576.64	5,010.08	4,716.60	293.48	17.071		
19,000.00	7,260.95	7,270.95	7,270.95	341.93	252.11	96.45	203.54	-5,576.64	5,110.07	4,816.50	293.57	17.407		
19,025.91	7,261.00	7,271.00	7,271.00	342.66	252.11	96.48	203.54	-5,576.64	5,135.98	4,842.39	293.59	17.494		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	16.00	16.00	3.28	3.29	-89.49	28.62	-3,232.04	3,232.17					
100.00	100.00	116.00	116.00	3.28	4.01	-89.49	28.62	-3,232.04	3,232.17	3,224.88	7.29	443.184		
200.00	200.00	216.00	216.00	3.34	6.66	-89.49	28.62	-3,232.04	3,232.17	3,222.17	10.00	323.348		
300.00	299.98	315.98	315.98	3.44	9.85	179.80	28.62	-3,232.04	3,233.92	3,220.62	13.29	243.326		
400.00	399.84	415.84	415.84	3.60	13.19	179.80	28.62	-3,232.04	3,239.15	3,222.36	16.79	192.968		
500.00	499.45	515.45	515.45	3.81	16.58	179.80	28.62	-3,232.04	3,247.86	3,227.48	20.38	159.354		
600.00	598.70	614.70	614.70	4.05	19.98	179.80	28.62	-3,232.04	3,260.05	3,236.01	24.04	135.636		
700.00	697.47	713.47	713.47	4.34	23.39	179.80	28.62	-3,232.04	3,275.69	3,247.97	27.72	118.152		
800.00	795.62	811.62	811.62	4.66	26.79	179.80	28.62	-3,232.04	3,294.77	3,263.34	31.43	104.821		
849.22	843.68	859.68	859.68	4.84	28.46	179.80	28.62	-3,232.04	3,305.42	3,272.16	33.26	99.369		
900.00	893.16	909.16	909.16	5.02	30.17	179.80	28.62	-3,232.04	3,316.83	3,281.68	35.15	94.359		
1,000.00	990.60	1,006.60	1,006.60	5.41	33.56	179.80	28.62	-3,232.04	3,339.30	3,300.42	38.88	85.887		
1,100.00	1,088.05	1,104.05	1,104.05	5.83	36.94	179.80	28.62	-3,232.04	3,361.77	3,319.13	42.63	78.858		
1,200.00	1,185.49	1,201.49	1,201.49	6.26	40.33	179.80	28.62	-3,232.04	3,384.23	3,337.84	46.40	72.940		
1,300.00	1,282.93	1,301.07	1,298.93	6.70	43.80	179.80	28.62	-3,232.04	3,406.70	3,356.45	50.25	67.791		
1,400.00	1,380.37	1,403.63	1,396.37	7.15	47.37	179.80	28.62	-3,232.04	3,429.17	3,374.95	54.22	63.241		
1,500.00	1,477.82	1,506.18	1,493.82	7.62	50.94	179.81	28.62	-3,232.04	3,451.64	3,393.44	58.20	59.302		
1,600.00	1,575.26	1,608.74	1,591.26	8.09	54.51	179.81	28.62	-3,232.04	3,474.11	3,411.92	62.19	55.861		
1,700.00	1,672.70	1,688.70	1,688.70	8.57	57.30	179.81	28.62	-3,232.04	3,496.58	3,431.18	65.40	53.465		
1,800.00	1,770.15	1,786.15	1,786.15	9.05	60.70	179.81	28.62	-3,232.04	3,519.04	3,449.82	69.22	50.837		
1,900.00	1,867.59	1,883.59	1,883.59	9.54	64.09	179.81	28.62	-3,232.04	3,541.51	3,468.46	73.05	48.481		
2,000.00	1,965.03	1,981.03	1,981.03	10.03	67.49	179.81	28.62	-3,232.04	3,563.98	3,487.10	76.88	46.357		
2,100.00	2,062.48	2,078.48	2,078.48	10.53	70.89	179.81	28.62	-3,232.04	3,586.45	3,505.73	80.72	44.433		
2,200.00	2,159.92	2,175.92	2,175.92	11.03	74.29	179.81	28.62	-3,232.04	3,608.92	3,524.37	84.55	42.682		
2,300.00	2,257.36	2,273.36	2,273.36	11.53	77.69	179.81	28.62	-3,232.04	3,631.39	3,542.99	88.40	41.081		
2,400.00	2,354.81	2,370.81	2,370.81	12.03	81.09	179.82	28.62	-3,232.04	3,653.86	3,561.62	92.24	39.613		
2,500.00	2,452.25	2,468.25	2,468.25	12.54	84.48	179.82	28.62	-3,232.04	3,676.32	3,580.24	96.08	38.262		
2,600.00	2,549.69	2,565.69	2,565.69	13.04	87.88	179.82	28.62	-3,232.04	3,698.79	3,598.86	99.93	37.013		
2,700.00	2,647.13	2,663.13	2,663.13	13.55	91.28	179.82	28.62	-3,232.04	3,721.26	3,617.48	103.78	35.857		
2,800.00	2,744.58	2,760.58	2,760.58	14.06	94.68	179.82	28.62	-3,232.04	3,743.73	3,636.10	107.63	34.783		
2,900.00	2,842.02	2,858.02	2,858.02	14.57	98.08	179.82	28.62	-3,232.04	3,766.20	3,654.72	111.48	33.783		
3,000.00	2,939.46	2,955.46	2,955.46	15.09	101.48	179.82	28.62	-3,232.04	3,788.67	3,673.33	115.34	32.849		
3,100.00	3,036.91	3,052.91	3,052.91	15.60	104.88	179.82	28.62	-3,232.04	3,811.14	3,691.95	119.19	31.975		
3,200.00	3,134.35	3,150.35	3,150.35	16.11	108.28	179.82	28.62	-3,232.04	3,833.60	3,710.56	123.05	31.156		
3,300.00	3,231.79	3,247.79	3,247.79	16.63	111.68	179.83	28.62	-3,232.04	3,856.07	3,729.17	126.90	30.386		
3,400.00	3,329.24	3,345.24	3,345.24	17.14	115.08	179.83	28.62	-3,232.04	3,878.54	3,747.78	130.76	29.662		
3,500.00	3,426.68	3,442.68	3,442.68	17.66	118.48	179.83	28.62	-3,232.04	3,901.01	3,766.39	134.62	28.978		
3,600.00	3,524.12	3,540.12	3,540.12	18.18	121.88	179.83	28.62	-3,232.04	3,923.48	3,785.00	138.48	28.333		
3,700.00	3,621.57	3,637.57	3,637.57	18.69	125.29	179.83	28.62	-3,232.04	3,945.95	3,803.61	142.34	27.723		
3,800.00	3,719.01	3,735.01	3,735.01	19.21	128.69	179.83	28.62	-3,232.04	3,968.42	3,822.22	146.20	27.145		
3,900.00	3,816.45	3,832.45	3,832.45	19.73	132.09	179.83	28.62	-3,232.04	3,990.88	3,840.83	150.06	26.596		
4,000.00	3,913.90	3,929.90	3,929.90	20.25	135.49	179.83	28.62	-3,232.04	4,013.35	3,859.44	153.92	26.075		
4,100.00	4,011.34	4,027.34	4,027.34	20.77	138.89	179.83	28.62	-3,232.04	4,035.82	3,878.04	157.78	25.579		
4,200.00	4,108.78	4,124.78	4,124.78	21.29	142.29	179.83	28.62	-3,232.04	4,058.29	3,896.65	161.64	25.107		
4,300.00	4,206.22	4,222.22	4,222.22	21.81	145.69	179.84	28.62	-3,232.04	4,080.76	3,915.26	165.50	24.657		
4,400.00	4,303.67	4,319.67	4,319.67	22.33	149.09	179.84	28.62	-3,232.04	4,103.23	3,933.86	169.37	24.227		
4,500.00	4,401.11	4,417.11	4,417.11	22.85	152.49	179.84	28.62	-3,232.04	4,125.70	3,952.47	173.23	23.816		
4,600.00	4,498.55	4,514.55	4,514.55	23.37	155.89	179.84	28.62	-3,232.04	4,148.16	3,971.07	177.09	23.424		
4,700.00	4,596.00	4,612.00	4,612.00	23.89	159.29	179.84	28.62	-3,232.04	4,170.63	3,989.68	180.96	23.048		
4,800.00	4,693.44	4,709.44	4,709.44	24.41	162.69	179.84	28.62	-3,232.04	4,193.10	4,008.28	184.82	22.687		
4,900.00	4,790.88	4,806.88	4,806.88	24.93	166.10	179.84	28.62	-3,232.04	4,215.57	4,026.89	188.69	22.342		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,904.33	4,904.33	25.46	169.50	179.84	28.62	-3,232.04	4,238.04	4,045.49	192.55	22.010		
5,100.00	4,985.77	5,001.77	5,001.77	25.98	172.90	179.84	28.62	-3,232.04	4,260.51	4,064.09	196.41	21.691		
5,200.00	5,083.21	5,100.79	5,099.21	26.50	176.35	179.84	28.62	-3,232.04	4,282.98	4,082.64	200.33	21.379		
5,300.00	5,180.66	5,203.34	5,196.66	27.02	179.93	179.84	28.62	-3,232.04	4,305.44	4,101.07	204.38	21.066		
5,400.00	5,278.10	5,305.90	5,294.10	27.55	183.51	179.84	28.62	-3,232.04	4,327.91	4,119.49	208.42	20.765		
5,500.00	5,375.54	5,408.46	5,391.54	28.07	187.09	179.85	28.62	-3,232.04	4,350.38	4,137.91	212.47	20.476		
5,582.90	5,456.32	5,472.32	5,472.32	28.50	189.32	179.85	28.62	-3,232.04	4,369.01	4,153.93	215.08	20.313		
5,600.00	5,473.00	5,489.00	5,489.00	28.59	189.90	179.85	28.62	-3,232.04	4,372.80	4,157.06	215.74	20.269		
5,700.00	5,570.93	5,586.93	5,586.93	29.10	193.32	179.85	28.62	-3,232.04	4,392.98	4,173.36	219.62	20.003		
5,800.00	5,669.52	5,685.52	5,685.52	29.57	196.76	179.85	28.62	-3,232.04	4,409.73	4,186.22	223.51	19.729		
5,900.00	5,768.62	5,784.62	5,784.62	30.03	200.22	179.85	28.62	-3,232.04	4,423.03	4,195.62	227.41	19.449		
6,000.00	5,868.13	5,884.13	5,884.13	30.45	203.70	179.85	28.62	-3,232.04	4,432.86	4,201.54	231.31	19.164		
6,100.00	5,967.93	5,983.93	5,983.93	30.86	207.18	179.85	28.62	-3,232.04	4,439.21	4,203.99	235.22	18.873		
6,200.00	6,067.88	6,083.88	6,083.88	31.24	210.67	179.85	28.62	-3,232.04	4,442.08	4,202.96	239.11	18.577		
6,232.12	6,100.00	6,116.00	6,116.00	31.36	211.79	-89.44	28.62	-3,232.04	4,442.26	4,201.90	240.36	18.482		
6,300.00	6,167.88	6,183.88	6,183.88	31.61	214.16	-89.44	28.62	-3,232.04	4,442.26	4,199.27	242.99	18.282		
6,400.00	6,267.88	6,283.88	6,283.88	31.97	217.65	-89.44	28.62	-3,232.04	4,442.26	4,195.40	246.86	17.995		
6,500.00	6,367.88	6,383.88	6,383.88	32.34	221.14	-89.44	28.62	-3,232.04	4,442.26	4,191.53	250.73	17.717		
6,600.00	6,467.88	6,483.88	6,483.88	32.70	224.63	-89.44	28.62	-3,232.04	4,442.26	4,187.65	254.60	17.448		
6,700.00	6,567.88	6,583.88	6,583.88	33.07	228.12	-89.44	28.62	-3,232.04	4,442.26	4,183.78	258.48	17.186		
6,736.50	6,604.38	6,620.38	6,620.38	33.21	229.40	-89.44	28.62	-3,232.04	4,442.26	4,182.36	259.89	17.093		
6,750.00	6,617.88	6,633.88	6,633.88	33.25	229.87	-2.34	28.62	-3,232.04	4,442.11	4,181.70	260.42	17.058		
6,800.00	6,667.77	6,683.77	6,683.77	33.43	231.61	-2.36	28.62	-3,232.04	4,439.10	4,176.77	262.33	16.922		
6,850.00	6,717.28	6,733.28	6,733.28	33.60	233.34	-2.39	28.62	-3,232.04	4,432.18	4,167.96	264.21	16.775		
6,900.00	6,766.09	6,782.09	6,782.09	33.79	235.04	-2.43	28.62	-3,232.04	4,421.39	4,155.33	266.06	16.618		
6,950.00	6,813.90	6,829.90	6,829.90	33.99	236.71	-2.50	28.62	-3,232.04	4,406.82	4,138.97	267.85	16.452		
7,000.00	6,860.42	6,876.42	6,876.42	34.20	238.33	-2.59	28.62	-3,232.04	4,388.55	4,118.96	269.59	16.279		
7,050.00	6,905.36	6,921.36	6,921.36	34.42	239.90	-2.71	28.62	-3,232.04	4,366.68	4,095.43	271.25	16.099		
7,100.00	6,948.45	6,964.45	6,964.45	34.67	241.41	-2.85	28.62	-3,232.04	4,341.36	4,068.53	272.82	15.913		
7,150.00	6,989.41	7,005.41	7,005.41	34.94	242.84	-3.03	28.62	-3,232.04	4,312.74	4,038.42	274.31	15.722		
7,200.00	7,028.00	7,044.00	7,044.00	35.24	244.18	-3.26	28.62	-3,232.04	4,280.99	4,005.29	275.70	15.528		
7,250.00	7,063.98	7,079.98	7,079.98	35.56	245.44	-3.54	28.62	-3,232.04	4,246.32	3,969.33	276.99	15.330		
7,300.00	7,097.13	7,113.13	7,113.13	35.92	246.60	-3.90	28.62	-3,232.04	4,208.94	3,930.77	278.17	15.131		
7,350.00	7,127.23	7,143.23	7,143.23	36.32	247.65	-4.37	28.62	-3,232.04	4,169.07	3,889.85	279.22	14.931		
7,400.00	7,154.12	7,170.12	7,170.12	36.75	248.59	-4.99	28.62	-3,232.04	4,126.97	3,846.81	280.16	14.731		
7,450.00	7,177.61	7,206.39	7,193.61	37.22	249.85	-5.85	28.62	-3,232.04	4,082.89	3,801.47	281.42	14.508		
7,500.00	7,197.57	7,213.57	7,213.57	37.73	250.10	-7.07	28.62	-3,232.04	4,037.11	3,755.45	281.66	14.333		
7,550.00	7,213.88	7,229.88	7,229.88	38.28	250.67	-8.97	28.62	-3,232.04	3,989.90	3,707.68	282.22	14.138		
7,600.00	7,226.42	7,242.42	7,242.42	38.87	251.11	-12.23	28.62	-3,232.04	3,941.57	3,658.92	282.64	13.945		
7,650.00	7,235.13	7,251.13	7,251.13	39.48	251.41	-19.03	28.62	-3,232.04	3,892.40	3,609.46	282.94	13.757		
7,700.00	7,239.95	7,255.95	7,255.95	40.12	251.58	-39.55	28.62	-3,232.04	3,842.70	3,559.60	283.10	13.574		
7,735.44	7,241.00	7,257.00	7,257.00	40.59	251.62	-88.00	28.62	-3,232.04	3,807.32	3,524.18	283.14	13.447		
7,800.00	7,241.11	7,257.11	7,257.11	41.47	251.62	-88.04	28.62	-3,232.04	3,742.83	3,459.69	283.14	13.219		
7,900.00	7,241.27	7,257.27	7,257.27	42.96	251.63	-88.09	28.62	-3,232.04	3,642.95	3,359.80	283.16	12.865		
8,000.00	7,241.44	7,257.44	7,257.44	44.59	251.63	-88.14	28.62	-3,232.04	3,543.08	3,259.91	283.17	12.512		
8,100.00	7,241.61	7,257.61	7,257.61	46.34	251.64	-88.20	28.62	-3,232.04	3,443.22	3,160.03	283.19	12.159		
8,200.00	7,241.77	7,257.77	7,257.77	48.20	251.65	-88.25	28.62	-3,232.04	3,343.36	3,060.15	283.21	11.805		
8,300.00	7,241.94	7,257.94	7,257.94	50.16	251.65	-88.30	28.62	-3,232.04	3,243.51	2,960.28	283.24	11.452		
8,400.00	7,242.11	7,258.11	7,258.11	52.20	251.66	-88.35	28.62	-3,232.04	3,143.68	2,860.41	283.26	11.098		
8,500.00	7,242.27	7,258.27	7,258.27	54.31	251.66	-88.41	28.62	-3,232.04	3,043.85	2,760.55	283.30	10.744		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	7,258.44	7,258.44	56.49	251.67	-88.46	28.62	-3,232.04	2,944.03	2,660.70	283.33	10.391		
8,700.00	7,242.60	7,258.60	7,258.60	58.73	251.67	-88.51	28.62	-3,232.04	2,844.23	2,560.86	283.37	10.037		
8,800.00	7,242.77	7,258.77	7,258.77	61.03	251.68	-88.56	28.62	-3,232.04	2,744.44	2,461.02	283.42	9.683		
8,900.00	7,242.94	7,258.94	7,258.94	63.37	251.69	-88.61	28.62	-3,232.04	2,644.67	2,361.20	283.48	9.329		
9,000.00	7,243.10	7,259.10	7,259.10	65.75	251.69	-88.67	28.62	-3,232.04	2,544.92	2,261.38	283.54	8.976		
9,100.00	7,243.27	7,259.27	7,259.27	68.18	251.70	-88.72	28.62	-3,232.04	2,445.18	2,161.57	283.61	8.622		
9,200.00	7,243.44	7,259.44	7,259.44	70.63	251.70	-88.77	28.62	-3,232.04	2,345.47	2,061.78	283.69	8.268		
9,300.00	7,243.60	7,259.60	7,259.60	73.12	251.71	-88.82	28.62	-3,232.04	2,245.78	1,962.00	283.78	7.914		
9,400.00	7,243.77	7,259.77	7,259.77	75.63	251.71	-88.88	28.62	-3,232.04	2,146.13	1,862.24	283.89	7.560		
9,500.00	7,243.94	7,259.94	7,259.94	78.17	251.72	-88.93	28.62	-3,232.04	2,046.50	1,762.49	284.01	7.206		
9,600.00	7,244.10	7,260.10	7,260.10	80.73	251.73	-88.98	28.62	-3,232.04	1,946.92	1,662.76	284.16	6.852		
9,700.00	7,244.27	7,260.27	7,260.27	83.31	251.73	-89.03	28.62	-3,232.04	1,847.38	1,563.05	284.33	6.497		
9,800.00	7,244.44	7,260.44	7,260.44	85.91	251.74	-89.09	28.62	-3,232.04	1,747.89	1,463.36	284.53	6.143		
9,900.00	7,244.60	7,260.60	7,260.60	88.53	251.74	-89.14	28.62	-3,232.04	1,648.47	1,363.69	284.78	5.789		
10,000.00	7,244.77	7,260.77	7,260.77	91.16	251.75	-89.19	28.62	-3,232.04	1,549.11	1,264.04	285.07	5.434		
10,100.00	7,244.94	7,260.94	7,260.94	93.81	251.76	-89.24	28.62	-3,232.04	1,449.85	1,164.42	285.43	5.080		
10,200.00	7,245.10	7,261.10	7,261.10	96.46	251.76	-89.30	28.62	-3,232.04	1,350.70	1,064.83	285.87	4.725		
10,300.00	7,245.27	7,261.27	7,261.27	99.14	251.77	-89.35	28.62	-3,232.04	1,251.68	965.26	286.42	4.370		
10,400.00	7,245.43	7,261.43	7,261.43	101.82	251.77	-89.40	28.62	-3,232.04	1,152.83	865.71	287.12	4.015		
10,500.00	7,245.60	7,261.60	7,261.60	104.51	251.78	-89.45	28.62	-3,232.04	1,054.20	766.18	288.02	3.660		
10,600.00	7,245.77	7,261.77	7,261.77	107.21	251.78	-89.51	28.62	-3,232.04	955.85	666.65	289.19	3.305		
10,700.00	7,245.93	7,261.93	7,261.93	109.92	251.79	-89.56	28.62	-3,232.04	857.88	567.11	290.77	2.950		
10,800.00	7,246.10	7,262.10	7,262.10	112.64	251.80	-89.61	28.62	-3,232.04	760.44	467.52	292.92	2.596		
10,900.00	7,246.27	7,262.27	7,262.27	115.37	251.80	-89.66	28.62	-3,232.04	663.77	367.83	295.94	2.243		
11,000.00	7,246.43	7,262.43	7,262.43	118.10	251.81	-89.72	28.62	-3,232.04	568.25	267.95	300.29	1.892		
11,100.00	7,246.60	7,262.60	7,262.60	120.84	251.81	-89.77	28.62	-3,232.04	474.57	167.79	306.78	1.547		
11,200.00	7,246.77	7,262.77	7,262.77	123.58	251.82	-89.82	28.62	-3,232.04	384.10	67.31	316.79	1.212 Level 2		
11,300.00	7,246.93	7,262.93	7,262.93	126.34	251.83	-89.87	28.62	-3,232.04	299.75	-32.83	332.58	0.901 Level 1		
11,340.34	7,247.00	7,263.00	7,263.00	127.45	251.83	-89.90	28.62	-3,232.04	268.77	-72.42	341.19	0.788 Level 1		
11,400.00	7,247.10	7,263.10	7,263.10	129.09	251.83	-89.92	28.62	-3,232.04	227.90	-128.33	356.23	0.640 Level 1		
11,500.00	7,247.27	7,263.27	7,263.27	131.84	251.84	-89.97	28.62	-3,232.04	181.35	-199.48	380.83	0.476 Level 1		
11,551.46	7,247.37	7,263.37	7,263.37	133.25	251.84	-90.00	28.62	-3,232.04	174.36	-210.41	384.76	0.453 Level 1, CC, ES, SF		
11,586.15	7,247.43	7,263.43	7,263.43	134.20	251.84	-90.02	28.62	-3,232.04	177.57	-203.96	381.52	0.465 Level 1		
11,600.00	7,247.45	7,263.45	7,263.45	134.57	251.84	-90.03	28.62	-3,232.04	180.62	-198.40	379.02	0.477 Level 1		
11,700.00	7,247.64	7,263.64	7,263.64	137.31	251.85	-90.09	28.62	-3,232.04	227.84	-124.27	352.10	0.647 Level 1		
11,800.00	7,247.82	7,263.82	7,263.82	140.05	251.86	-90.15	28.62	-3,232.04	301.99	-26.65	328.64	0.919 Level 1		
11,900.00	7,248.00	7,264.00	7,264.00	142.79	251.86	-90.21	28.62	-3,232.04	387.92	74.21	313.71	1.237 Level 2		
12,000.00	7,248.18	7,264.18	7,264.18	145.53	251.87	-90.27	28.62	-3,232.04	479.34	174.87	304.47	1.574		
12,100.00	7,248.37	7,264.37	7,264.37	148.28	251.88	-90.33	28.62	-3,232.04	573.63	275.04	298.60	1.921		
12,200.00	7,248.55	7,264.55	7,264.55	151.04	251.88	-90.39	28.62	-3,232.04	669.58	374.84	294.74	2.272		
12,300.00	7,248.73	7,264.73	7,264.73	153.80	251.89	-90.45	28.62	-3,232.04	766.57	474.44	292.13	2.624		
12,400.00	7,248.91	7,264.91	7,264.91	156.56	251.89	-90.51	28.62	-3,232.04	864.24	573.93	290.32	2.977		
12,500.00	7,249.10	7,265.10	7,265.10	159.32	251.90	-90.57	28.62	-3,232.04	962.39	673.36	289.03	3.330		
12,600.00	7,249.28	7,265.28	7,265.28	162.09	251.91	-90.63	28.62	-3,232.04	1,060.89	772.78	288.11	3.682		
12,700.00	7,249.46	7,265.46	7,265.46	164.86	251.91	-90.69	28.62	-3,232.04	1,159.64	872.21	287.43	4.034		
12,800.00	7,249.64	7,265.64	7,265.64	167.63	251.92	-90.75	28.62	-3,232.04	1,258.59	971.65	286.94	4.386		
12,900.00	7,249.83	7,265.83	7,265.83	170.40	251.93	-90.81	28.62	-3,232.04	1,357.70	1,071.12	286.57	4.738		
13,000.00	7,250.01	7,266.01	7,266.01	173.18	251.93	-90.87	28.62	-3,232.04	1,456.92	1,170.62	286.30	5.089		
13,100.00	7,250.19	7,266.19	7,266.19	175.96	251.94	-90.93	28.62	-3,232.04	1,556.25	1,270.14	286.11	5.439		
13,200.00	7,250.37	7,266.37	7,266.37	178.74	251.95	-90.99	28.62	-3,232.04	1,655.66	1,369.69	285.96	5.790		
13,300.00	7,250.56	7,266.56	7,266.56	181.52	251.95	-91.05	28.62	-3,232.04	1,755.13	1,469.27	285.86	6.140		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,400.00	7,250.74	7,266.74	7,266.74	184.31	251.96	-91.11	28.62	-3,232.04	1,854.66	1,568.86	285.80	6.489		
13,500.00	7,250.92	7,266.92	7,266.92	187.09	251.96	-91.17	28.62	-3,232.04	1,954.24	1,668.48	285.76	6.839		
13,600.00	7,251.10	7,267.10	7,267.10	189.88	251.97	-91.23	28.62	-3,232.04	2,053.86	1,768.12	285.74	7.188		
13,700.00	7,251.29	7,267.29	7,267.29	192.67	251.98	-91.28	28.62	-3,232.04	2,153.51	1,867.78	285.74	7.537		
13,800.00	7,251.47	7,267.47	7,267.47	195.47	251.98	-91.34	28.62	-3,232.04	2,253.20	1,967.45	285.75	7.885		
13,900.00	7,251.65	7,267.65	7,267.65	198.26	251.99	-91.40	28.62	-3,232.04	2,352.91	2,067.14	285.77	8.233		
14,000.00	7,251.83	7,267.83	7,267.83	201.05	252.00	-91.46	28.62	-3,232.04	2,452.65	2,166.84	285.81	8.581		
14,100.00	7,252.01	7,268.01	7,268.01	203.85	252.00	-91.52	28.62	-3,232.04	2,552.40	2,266.55	285.85	8.929		
14,200.00	7,252.20	7,268.20	7,268.20	206.65	252.01	-91.58	28.62	-3,232.04	2,652.18	2,366.28	285.90	9.277		
14,300.00	7,252.38	7,268.38	7,268.38	209.45	252.02	-91.64	28.62	-3,232.04	2,751.97	2,466.02	285.95	9.624		
14,400.00	7,252.56	7,268.56	7,268.56	212.25	252.02	-91.70	28.62	-3,232.04	2,851.77	2,565.76	286.01	9.971		
14,500.00	7,252.74	7,268.74	7,268.74	215.05	252.03	-91.76	28.62	-3,232.04	2,951.59	2,665.52	286.08	10.317		
14,600.00	7,252.93	7,268.93	7,268.93	217.86	252.03	-91.82	28.62	-3,232.04	3,051.42	2,765.28	286.15	10.664		
14,700.00	7,253.11	7,269.11	7,269.11	220.66	252.04	-91.88	28.62	-3,232.04	3,151.26	2,865.05	286.22	11.010		
14,800.00	7,253.29	7,269.29	7,269.29	223.47	252.05	-91.94	28.62	-3,232.04	3,251.12	2,964.82	286.29	11.356		
14,900.00	7,253.47	7,269.47	7,269.47	226.27	252.05	-92.00	28.62	-3,232.04	3,350.98	3,064.61	286.37	11.702		
15,000.00	7,253.66	7,269.66	7,269.66	229.08	252.06	-92.06	28.62	-3,232.04	3,450.84	3,164.40	286.45	12.047		
15,100.00	7,253.84	7,269.84	7,269.84	231.89	252.07	-92.12	28.62	-3,232.04	3,550.72	3,264.19	286.53	12.392		
15,200.00	7,254.02	7,270.02	7,270.02	234.70	252.07	-92.18	28.62	-3,232.04	3,650.60	3,363.99	286.61	12.737		
15,300.00	7,254.20	7,270.20	7,270.20	237.51	252.08	-92.24	28.62	-3,232.04	3,750.49	3,463.79	286.70	13.082		
15,400.00	7,254.39	7,270.39	7,270.39	240.32	252.09	-92.30	28.62	-3,232.04	3,850.38	3,563.60	286.78	13.426		
15,500.00	7,254.57	7,270.57	7,270.57	243.13	252.09	-92.36	28.62	-3,232.04	3,950.28	3,663.41	286.87	13.770		
15,600.00	7,254.75	7,270.75	7,270.75	245.94	252.10	-92.42	28.62	-3,232.04	4,050.19	3,763.23	286.96	14.114		
15,700.00	7,254.93	7,270.93	7,270.93	248.76	252.10	-92.48	28.62	-3,232.04	4,150.10	3,863.04	287.05	14.458		
15,800.00	7,255.12	7,271.12	7,271.12	251.57	252.11	-92.54	28.62	-3,232.04	4,250.01	3,962.86	287.15	14.801		
15,900.00	7,255.30	7,271.30	7,271.30	254.39	252.12	-92.60	28.62	-3,232.04	4,349.93	4,062.69	287.24	15.144		
16,000.00	7,255.48	7,271.48	7,271.48	257.20	252.12	-92.66	28.62	-3,232.04	4,449.85	4,162.52	287.33	15.487		
16,100.00	7,255.66	7,271.66	7,271.66	260.02	252.13	-92.72	28.62	-3,232.04	4,549.77	4,262.34	287.43	15.829		
16,200.00	7,255.85	7,271.85	7,271.85	262.84	252.14	-92.78	28.62	-3,232.04	4,649.70	4,362.18	287.53	16.171		
16,300.00	7,256.03	7,272.03	7,272.03	265.65	252.14	-92.84	28.62	-3,232.04	4,749.63	4,462.01	287.62	16.513		
16,400.00	7,256.21	7,272.21	7,272.21	268.47	252.15	-92.90	28.62	-3,232.04	4,849.57	4,561.84	287.72	16.855		
16,500.00	7,256.39	7,272.39	7,272.39	271.29	252.16	-92.96	28.62	-3,232.04	4,949.50	4,661.68	287.82	17.196		
16,600.00	7,256.58	7,272.58	7,272.58	274.11	252.16	-93.02	28.62	-3,232.04	5,049.44	4,761.52	287.92	17.537		
16,700.00	7,256.76	7,272.76	7,272.76	276.93	252.17	-93.08	28.62	-3,232.04	5,149.38	4,861.36	288.02	17.878		
16,800.00	7,256.94	7,272.94	7,272.94	279.75	252.17	-93.14	28.62	-3,232.04	5,249.33	4,961.20	288.13	18.219		
16,900.00	7,257.12	7,273.12	7,273.12	282.57	252.18	-93.20	28.62	-3,232.04	5,349.27	5,061.04	288.23	18.559		
17,000.00	7,257.30	7,273.30	7,273.30	285.40	252.19	-93.26	28.62	-3,232.04	5,449.22	5,160.89	288.33	18.899		
17,100.00	7,257.49	7,273.49	7,273.49	288.22	252.19	-93.32	28.62	-3,232.04	5,549.17	5,260.73	288.44	19.239		
17,200.00	7,257.67	7,273.67	7,273.67	291.04	252.20	-93.38	28.62	-3,232.04	5,649.12	5,360.58	288.54	19.578		
17,300.00	7,257.85	7,273.85	7,273.85	293.87	252.21	-93.44	28.62	-3,232.04	5,749.07	5,460.42	288.65	19.917		
17,400.00	7,258.03	7,274.03	7,274.03	296.69	252.21	-93.50	28.62	-3,232.04	5,849.03	5,560.27	288.76	20.256		
17,500.00	7,258.22	7,274.22	7,274.22	299.51	252.22	-93.56	28.62	-3,232.04	5,948.98	5,660.12	288.86	20.594		
17,600.00	7,258.40	7,274.40	7,274.40	302.34	252.23	-93.62	28.62	-3,232.04	6,048.94	5,759.97	288.97	20.933		
17,700.00	7,258.58	7,274.58	7,274.58	305.16	252.23	-93.68	28.62	-3,232.04	6,148.90	5,859.82	289.08	21.271		
17,800.00	7,258.76	7,274.76	7,274.76	307.99	252.24	-93.73	28.62	-3,232.04	6,248.86	5,959.67	289.19	21.608		
17,900.00	7,258.95	7,274.95	7,274.95	310.82	252.24	-93.79	28.62	-3,232.04	6,348.82	6,059.52	289.30	21.945		
18,000.00	7,259.13	7,275.13	7,275.13	313.64	252.25	-93.85	28.62	-3,232.04	6,448.78	6,159.37	289.41	22.282		
18,100.00	7,259.31	7,275.31	7,275.31	316.47	252.26	-93.91	28.62	-3,232.04	6,548.75	6,259.22	289.52	22.619		
18,200.00	7,259.49	7,275.49	7,275.49	319.30	252.26	-93.97	28.62	-3,232.04	6,648.71	6,359.08	289.64	22.955		
18,300.00	7,259.68	7,275.68	7,275.68	322.12	252.27	-94.03	28.62	-3,232.04	6,748.68	6,458.93	289.75	23.291		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,275.86	7,275.86	324.95	252.28	-94.09	28.62	-3,232.04	6,848.65	6,558.78	289.86	23.627		
18,500.00	7,260.04	7,276.04	7,276.04	327.78	252.28	-94.15	28.62	-3,232.04	6,948.61	6,658.64	289.98	23.963		
18,600.00	7,260.22	7,276.22	7,276.22	330.61	252.29	-94.21	28.62	-3,232.04	7,048.58	6,758.49	290.09	24.298		
18,700.00	7,260.41	7,276.41	7,276.41	333.44	252.30	-94.27	28.62	-3,232.04	7,148.55	6,858.34	290.21	24.633		
18,800.00	7,260.59	7,276.59	7,276.59	336.27	252.30	-94.33	28.62	-3,232.04	7,248.52	6,958.20	290.32	24.967		
18,900.00	7,260.77	7,276.77	7,276.77	339.10	252.31	-94.39	28.62	-3,232.04	7,348.49	7,058.05	290.44	25.301		
19,000.00	7,260.95	7,276.95	7,276.95	341.93	252.31	-94.45	28.62	-3,232.04	7,448.47	7,157.91	290.56	25.635		
19,025.91	7,261.00	7,277.00	7,277.00	342.66	252.32	-94.47	28.62	-3,232.04	7,474.37	7,183.78	290.59	25.722		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2.00	-2.00	3.28	3.28	-111.44	-1,148.49	-2,924.33	3,141.77					
100.00	100.00	102.00	98.00	3.28	3.75	-111.44	-1,148.49	-2,924.33	3,141.77	3,134.74	7.03	446.685		
200.00	200.00	202.00	198.00	3.34	6.24	-111.44	-1,148.49	-2,924.33	3,141.77	3,132.20	9.58	328.113		
300.00	299.98	302.02	297.98	3.44	9.39	157.85	-1,148.49	-2,924.33	3,143.39	3,130.56	12.83	244.959		
400.00	399.84	402.16	397.84	3.60	12.72	157.85	-1,148.49	-2,924.33	3,148.24	3,131.91	16.32	192.860		
500.00	499.45	502.55	497.45	3.81	16.14	157.85	-1,148.49	-2,924.33	3,156.31	3,136.37	19.94	158.288		
600.00	598.70	603.30	596.70	4.05	19.59	157.84	-1,148.49	-2,924.33	3,167.61	3,143.97	23.64	133.971		
700.00	697.47	704.53	695.47	4.34	23.08	157.84	-1,148.49	-2,924.33	3,182.12	3,154.70	27.42	116.053		
800.00	795.62	806.38	793.62	4.66	26.61	157.83	-1,148.49	-2,924.33	3,199.84	3,168.58	31.26	102.365		
849.22	843.68	841.68	841.68	4.84	27.83	157.83	-1,148.49	-2,924.33	3,209.73	3,177.08	32.65	98.305		
900.00	893.16	908.84	891.16	5.02	30.16	157.90	-1,148.49	-2,924.33	3,220.34	3,185.18	35.15	91.605		
1,000.00	990.60	988.60	988.60	5.41	32.93	158.05	-1,148.49	-2,924.33	3,241.24	3,202.96	38.28	84.674		
1,100.00	1,088.05	1,086.05	1,086.05	5.83	36.32	158.20	-1,148.49	-2,924.33	3,262.17	3,220.13	42.04	77.599		
1,200.00	1,185.49	1,183.49	1,183.49	6.26	39.71	158.34	-1,148.49	-2,924.33	3,283.11	3,237.30	45.82	71.659		
1,300.00	1,282.93	1,280.93	1,280.93	6.70	43.10	158.49	-1,148.49	-2,924.33	3,304.08	3,254.47	49.61	66.605		
1,400.00	1,380.37	1,378.37	1,378.37	7.15	46.49	158.63	-1,148.49	-2,924.33	3,325.06	3,271.65	53.41	62.256		
1,500.00	1,477.82	1,475.82	1,475.82	7.62	49.88	158.77	-1,148.49	-2,924.33	3,346.07	3,288.84	57.22	58.475		
1,600.00	1,575.26	1,573.26	1,573.26	8.09	53.28	158.91	-1,148.49	-2,924.33	3,367.09	3,306.05	61.04	55.160		
1,700.00	1,672.70	1,670.70	1,670.70	8.57	56.67	159.04	-1,148.49	-2,924.33	3,388.13	3,323.26	64.87	52.230		
1,800.00	1,770.15	1,768.15	1,768.15	9.05	60.07	159.18	-1,148.49	-2,924.33	3,409.19	3,340.49	68.70	49.623		
1,900.00	1,867.59	1,865.59	1,865.59	9.54	63.47	159.31	-1,148.49	-2,924.33	3,430.27	3,357.73	72.54	47.289		
2,000.00	1,965.03	1,963.03	1,963.03	10.03	66.86	159.44	-1,148.49	-2,924.33	3,451.36	3,374.98	76.38	45.187		
2,100.00	2,062.48	2,060.48	2,060.48	10.53	70.26	159.57	-1,148.49	-2,924.33	3,472.47	3,392.25	80.22	43.285		
2,200.00	2,159.92	2,157.92	2,157.92	11.03	73.66	159.70	-1,148.49	-2,924.33	3,493.60	3,409.53	84.07	41.555		
2,300.00	2,257.36	2,255.36	2,255.36	11.53	77.06	159.83	-1,148.49	-2,924.33	3,514.75	3,426.83	87.92	39.976		
2,400.00	2,354.81	2,352.81	2,352.81	12.03	80.46	159.95	-1,148.49	-2,924.33	3,535.91	3,444.14	91.77	38.528		
2,500.00	2,452.25	2,450.25	2,450.25	12.54	83.86	160.08	-1,148.49	-2,924.33	3,557.09	3,461.46	95.63	37.197		
2,600.00	2,549.69	2,547.69	2,547.69	13.04	87.26	160.20	-1,148.49	-2,924.33	3,578.28	3,478.80	99.49	35.968		
2,700.00	2,647.13	2,645.13	2,645.13	13.55	90.66	160.32	-1,148.49	-2,924.33	3,599.49	3,496.15	103.34	34.830		
2,800.00	2,744.58	2,742.58	2,742.58	14.06	94.06	160.44	-1,148.49	-2,924.33	3,620.72	3,513.51	107.20	33.775		
2,900.00	2,842.02	2,840.02	2,840.02	14.57	97.46	160.56	-1,148.49	-2,924.33	3,641.96	3,530.89	111.06	32.792		
3,000.00	2,939.46	2,937.46	2,937.46	15.09	100.85	160.67	-1,148.49	-2,924.33	3,663.21	3,548.29	114.92	31.875		
3,100.00	3,036.91	3,034.91	3,034.91	15.60	104.25	160.79	-1,148.49	-2,924.33	3,684.48	3,565.69	118.79	31.018		
3,200.00	3,134.35	3,132.35	3,132.35	16.11	107.66	160.90	-1,148.49	-2,924.33	3,705.76	3,583.11	122.65	30.214		
3,300.00	3,231.79	3,229.79	3,229.79	16.63	111.06	161.02	-1,148.49	-2,924.33	3,727.06	3,600.54	126.51	29.460		
3,400.00	3,329.24	3,327.24	3,327.24	17.14	114.46	161.13	-1,148.49	-2,924.33	3,748.37	3,617.99	130.38	28.750		
3,500.00	3,426.68	3,424.68	3,424.68	17.66	117.86	161.24	-1,148.49	-2,924.33	3,769.69	3,635.45	134.24	28.081		
3,600.00	3,524.12	3,522.12	3,522.12	18.18	121.26	161.35	-1,148.49	-2,924.33	3,791.03	3,652.92	138.11	27.449		
3,700.00	3,621.57	3,619.57	3,619.57	18.69	124.66	161.45	-1,148.49	-2,924.33	3,812.38	3,670.40	141.98	26.852		
3,800.00	3,719.01	3,717.01	3,717.01	19.21	128.06	161.56	-1,148.49	-2,924.33	3,833.74	3,687.90	145.84	26.287		
3,900.00	3,816.45	3,814.45	3,814.45	19.73	131.46	161.67	-1,148.49	-2,924.33	3,855.12	3,705.41	149.71	25.750		
4,000.00	3,913.90	3,911.90	3,911.90	20.25	134.86	161.77	-1,148.49	-2,924.33	3,876.50	3,722.93	153.58	25.241		
4,100.00	4,011.34	4,009.34	4,009.34	20.77	138.26	161.87	-1,148.49	-2,924.33	3,897.90	3,740.46	157.45	24.757		
4,200.00	4,108.78	4,106.78	4,106.78	21.29	141.66	161.97	-1,148.49	-2,924.33	3,919.32	3,758.00	161.32	24.296		
4,300.00	4,206.22	4,204.22	4,204.22	21.81	145.06	162.08	-1,148.49	-2,924.33	3,940.74	3,775.55	165.18	23.857		
4,400.00	4,303.67	4,301.67	4,301.67	22.33	148.46	162.18	-1,148.49	-2,924.33	3,962.17	3,793.12	169.05	23.437		
4,500.00	4,401.11	4,400.89	4,399.11	22.85	151.93	162.27	-1,148.49	-2,924.33	3,983.62	3,810.64	172.99	23.029		
4,600.00	4,498.55	4,503.45	4,496.55	23.37	155.50	162.37	-1,148.49	-2,924.33	4,005.08	3,828.05	177.03	22.623		
4,700.00	4,596.00	4,606.00	4,594.00	23.89	159.08	162.47	-1,148.49	-2,924.33	4,026.55	3,845.47	181.08	22.236		
4,800.00	4,693.44	4,708.56	4,691.44	24.41	162.66	162.56	-1,148.49	-2,924.33	4,048.03	3,862.90	185.13	21.866		
4,900.00	4,790.88	4,788.88	4,788.88	24.93	165.47	162.66	-1,148.49	-2,924.33	4,069.52	3,881.12	188.40	21.600		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,888.33	4,886.33	4,886.33	25.46	168.87	162.75	-1,148.49	-2,924.33	4,091.02	3,898.75	192.27	21.277					
5,100.00	4,985.77	4,983.77	4,983.77	25.98	172.27	162.84	-1,148.49	-2,924.33	4,112.53	3,916.39	196.14	20.967					
5,200.00	5,083.21	5,081.21	5,081.21	26.50	175.67	162.94	-1,148.49	-2,924.33	4,134.05	3,934.04	200.01	20.669					
5,300.00	5,180.66	5,178.66	5,178.66	27.02	179.07	163.03	-1,148.49	-2,924.33	4,155.58	3,951.70	203.88	20.382					
5,400.00	5,278.10	5,276.10	5,276.10	27.55	182.47	163.12	-1,148.49	-2,924.33	4,177.12	3,969.37	207.76	20.106					
5,500.00	5,375.54	5,373.54	5,373.54	28.07	185.87	163.21	-1,148.49	-2,924.33	4,198.67	3,987.05	211.63	19.840					
5,582.90	5,456.32	5,454.32	5,454.32	28.50	188.69	163.28	-1,148.49	-2,924.33	4,216.55	4,001.71	214.84	19.627					
5,600.00	5,473.00	5,471.00	5,471.00	28.59	189.28	163.31	-1,148.49	-2,924.33	4,220.19	4,004.69	215.50	19.583					
5,700.00	5,570.93	5,568.93	5,568.93	29.10	192.69	163.51	-1,148.49	-2,924.33	4,239.56	4,020.18	219.38	19.325					
5,800.00	5,669.52	5,667.52	5,667.52	29.57	196.14	163.66	-1,148.49	-2,924.33	4,255.64	4,032.37	223.27	19.060					
5,900.00	5,768.62	5,766.62	5,766.62	30.03	199.59	163.78	-1,148.49	-2,924.33	4,268.42	4,041.24	227.17	18.789					
6,000.00	5,868.13	5,866.13	5,866.13	30.45	203.07	163.87	-1,148.49	-2,924.33	4,277.86	4,046.79	231.08	18.513					
6,100.00	5,967.93	5,965.93	5,965.93	30.86	206.55	163.93	-1,148.49	-2,924.33	4,283.97	4,048.99	234.98	18.231					
6,200.00	6,067.88	6,065.88	6,065.88	31.24	210.04	163.96	-1,148.49	-2,924.33	4,286.72	4,047.85	238.87	17.946					
6,232.12	6,100.00	6,102.00	6,098.00	31.36	211.30	-105.33	-1,148.49	-2,924.33	4,286.90	4,046.64	240.26	17.843					
6,300.00	6,167.88	6,165.88	6,165.88	31.61	213.53	-105.33	-1,148.49	-2,924.33	4,286.90	4,044.15	242.74	17.660					
6,400.00	6,267.88	6,265.88	6,265.88	31.97	217.02	-105.33	-1,148.49	-2,924.33	4,286.90	4,040.29	246.61	17.383					
6,500.00	6,367.88	6,365.88	6,365.88	32.34	220.51	-105.33	-1,148.49	-2,924.33	4,286.90	4,036.42	250.48	17.115					
6,600.00	6,467.88	6,465.88	6,465.88	32.70	224.00	-105.33	-1,148.49	-2,924.33	4,286.90	4,032.55	254.35	16.854					
6,700.00	6,567.88	6,565.88	6,565.88	33.07	227.49	-105.33	-1,148.49	-2,924.33	4,286.90	4,028.67	258.22	16.602					
6,736.50	6,604.38	6,602.38	6,602.38	33.21	228.77	-105.33	-1,148.49	-2,924.33	4,286.90	4,027.26	259.64	16.511					
6,750.00	6,617.88	6,615.88	6,615.88	33.25	229.24	-18.24	-1,148.49	-2,924.33	4,286.76	4,026.60	260.16	16.478					
6,800.00	6,667.77	6,665.77	6,665.77	33.43	230.98	-18.34	-1,148.49	-2,924.33	4,283.89	4,021.82	262.07	16.346					
6,850.00	6,717.28	6,715.28	6,715.28	33.60	232.71	-18.55	-1,148.49	-2,924.33	4,277.31	4,013.36	263.96	16.205					
6,900.00	6,766.09	6,764.09	6,764.09	33.79	234.41	-18.90	-1,148.49	-2,924.33	4,267.07	4,001.26	265.81	16.053					
6,950.00	6,813.90	6,811.90	6,811.90	33.99	236.08	-19.39	-1,148.49	-2,924.33	4,253.23	3,985.62	267.61	15.893					
7,000.00	6,860.42	6,858.42	6,858.42	34.20	237.71	-20.04	-1,148.49	-2,924.33	4,235.87	3,966.52	269.35	15.726					
7,050.00	6,905.36	6,903.36	6,903.36	34.42	239.27	-20.86	-1,148.49	-2,924.33	4,215.12	3,944.09	271.03	15.552					
7,100.00	6,948.45	6,946.45	6,946.45	34.67	240.78	-21.88	-1,148.49	-2,924.33	4,191.10	3,918.47	272.63	15.373					
7,150.00	6,989.41	6,987.41	6,987.41	34.94	242.21	-23.14	-1,148.49	-2,924.33	4,163.97	3,889.82	274.15	15.189					
7,200.00	7,028.00	7,026.00	7,026.00	35.24	243.55	-24.69	-1,148.49	-2,924.33	4,133.91	3,858.33	275.58	15.001					
7,250.00	7,063.98	7,061.98	7,061.98	35.56	244.81	-26.58	-1,148.49	-2,924.33	4,101.10	3,824.19	276.90	14.811					
7,300.00	7,097.13	7,104.87	7,095.13	35.92	246.31	-28.90	-1,148.49	-2,924.33	4,065.76	3,787.29	278.47	14.600					
7,350.00	7,127.23	7,125.23	7,125.23	36.32	247.02	-31.76	-1,148.49	-2,924.33	4,028.11	3,748.86	279.25	14.425					
7,400.00	7,154.12	7,152.12	7,152.12	36.75	247.96	-35.31	-1,148.49	-2,924.33	3,988.40	3,708.15	280.25	14.231					
7,450.00	7,177.61	7,175.61	7,175.61	37.22	248.78	-39.72	-1,148.49	-2,924.33	3,946.88	3,665.74	281.14	14.039					
7,500.00	7,197.57	7,204.43	7,195.57	37.73	249.78	-45.23	-1,148.49	-2,924.33	3,903.81	3,621.58	282.23	13.832					
7,550.00	7,213.88	7,211.88	7,211.88	38.28	250.04	-52.08	-1,148.49	-2,924.33	3,859.47	3,576.90	282.57	13.658					
7,600.00	7,226.42	7,224.42	7,224.42	38.87	250.48	-60.48	-1,148.49	-2,924.33	3,814.14	3,531.03	283.10	13.473					
7,650.00	7,235.13	7,233.13	7,233.13	39.48	250.79	-70.43	-1,148.49	-2,924.33	3,768.10	3,484.58	283.51	13.291					
7,700.00	7,239.95	7,237.95	7,237.95	40.12	250.95	-81.57	-1,148.49	-2,924.33	3,721.65	3,437.84	283.80	13.113					
7,735.44	7,241.00	7,239.00	7,239.00	40.59	250.99	-89.76	-1,148.49	-2,924.33	3,688.63	3,404.69	283.94	12.991					
7,800.00	7,241.11	7,239.11	7,239.11	41.47	250.99	-89.76	-1,148.49	-2,924.33	3,628.57	3,344.43	284.13	12.771					
7,900.00	7,241.27	7,239.27	7,239.27	42.96	251.00	-89.77	-1,148.49	-2,924.33	3,535.85	3,251.36	284.49	12.429					
8,000.00	7,241.44	7,239.44	7,239.44	44.59	251.01	-89.77	-1,148.49	-2,924.33	3,443.54	3,158.62	284.92	12.086					
8,100.00	7,241.61	7,239.61	7,239.61	46.34	251.01	-89.78	-1,148.49	-2,924.33	3,351.67	3,066.24	285.43	11.743					
8,200.00	7,241.77	7,239.77	7,239.77	48.20	251.02	-89.79	-1,148.49	-2,924.33	3,260.27	2,974.26	286.01	11.399					
8,300.00	7,241.94	7,239.94	7,239.94	50.16	251.02	-89.80	-1,148.49	-2,924.33	3,169.40	2,882.70	286.70	11.055					
8,400.00	7,242.11	7,240.11	7,240.11	52.20	251.03	-89.80	-1,148.49	-2,924.33	3,079.09	2,791.61	287.48	10.711					
8,500.00	7,242.27	7,240.27	7,240.27	54.31	251.03	-89.81	-1,148.49	-2,924.33	2,989.40	2,701.02	288.38	10.366					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	7,240.44	7,240.44	56.49	251.04	-89.82	-1,148.49	-2,924.33	2,900.39	2,610.99	289.40	10.022		
8,700.00	7,242.60	7,240.60	7,240.60	58.73	251.05	-89.82	-1,148.49	-2,924.33	2,812.11	2,521.56	290.55	9.679		
8,800.00	7,242.77	7,240.77	7,240.77	61.03	251.05	-89.83	-1,148.49	-2,924.33	2,724.64	2,432.80	291.85	9.336		
8,900.00	7,242.94	7,240.94	7,240.94	63.37	251.06	-89.84	-1,148.49	-2,924.33	2,638.07	2,344.77	293.30	8.995		
9,000.00	7,243.10	7,241.10	7,241.10	65.75	251.06	-89.85	-1,148.49	-2,924.33	2,552.47	2,257.55	294.92	8.655		
9,100.00	7,243.27	7,241.27	7,241.27	68.18	251.07	-89.85	-1,148.49	-2,924.33	2,467.96	2,171.24	296.72	8.318		
9,200.00	7,243.44	7,241.44	7,241.44	70.63	251.07	-89.86	-1,148.49	-2,924.33	2,384.65	2,085.94	298.71	7.983		
9,300.00	7,243.60	7,241.60	7,241.60	73.12	251.08	-89.87	-1,148.49	-2,924.33	2,302.66	2,001.76	300.90	7.652		
9,400.00	7,243.77	7,241.77	7,241.77	75.63	251.09	-89.87	-1,148.49	-2,924.33	2,222.15	1,918.84	303.32	7.326		
9,500.00	7,243.94	7,241.94	7,241.94	78.17	251.09	-89.88	-1,148.49	-2,924.33	2,143.29	1,837.33	305.96	7.005		
9,600.00	7,244.10	7,242.10	7,242.10	80.73	251.10	-89.89	-1,148.49	-2,924.33	2,066.25	1,757.41	308.85	6.690		
9,700.00	7,244.27	7,242.27	7,242.27	83.31	251.10	-89.90	-1,148.49	-2,924.33	1,991.26	1,679.28	311.98	6.383		
9,800.00	7,244.44	7,242.44	7,242.44	85.91	251.11	-89.90	-1,148.49	-2,924.33	1,918.55	1,603.18	315.37	6.083		
9,900.00	7,244.60	7,242.60	7,242.60	88.53	251.12	-89.91	-1,148.49	-2,924.33	1,848.39	1,529.36	319.03	5.794		
10,000.00	7,244.77	7,242.77	7,242.77	91.16	251.12	-89.92	-1,148.49	-2,924.33	1,781.08	1,458.14	322.94	5.515		
10,100.00	7,244.94	7,242.94	7,242.94	93.81	251.13	-89.92	-1,148.49	-2,924.33	1,716.97	1,389.86	327.10	5.249		
10,200.00	7,245.10	7,243.10	7,243.10	96.46	251.13	-89.93	-1,148.49	-2,924.33	1,656.41	1,324.91	331.50	4.997		
10,300.00	7,245.27	7,243.27	7,243.27	99.14	251.14	-89.94	-1,148.49	-2,924.33	1,599.81	1,263.72	336.10	4.760		
10,400.00	7,245.43	7,243.43	7,243.43	101.82	251.14	-89.95	-1,148.49	-2,924.33	1,547.62	1,206.76	340.86	4.540		
10,500.00	7,245.60	7,243.60	7,243.60	104.51	251.15	-89.95	-1,148.49	-2,924.33	1,500.28	1,154.56	345.72	4.340		
10,600.00	7,245.77	7,243.77	7,243.77	107.21	251.16	-89.96	-1,148.49	-2,924.33	1,458.27	1,107.67	350.60	4.159		
10,700.00	7,245.93	7,243.93	7,243.93	109.92	251.16	-89.97	-1,148.49	-2,924.33	1,422.06	1,066.64	355.42	4.001		
10,800.00	7,246.10	7,244.10	7,244.10	112.64	251.17	-89.97	-1,148.49	-2,924.33	1,392.11	1,032.04	360.07	3.866		
10,900.00	7,246.27	7,244.27	7,244.27	115.37	251.17	-89.98	-1,148.49	-2,924.33	1,368.83	1,004.39	364.44	3.756		
11,000.00	7,246.43	7,244.43	7,244.43	118.10	251.18	-89.99	-1,148.49	-2,924.33	1,352.56	984.16	368.40	3.671		
11,100.00	7,246.60	7,244.60	7,244.60	120.84	251.19	-89.99	-1,148.49	-2,924.33	1,343.55	971.68	371.87	3.613		
11,171.43	7,246.72	7,244.72	7,244.72	122.80	251.19	-90.00	-1,148.49	-2,924.33	1,341.65	967.66	373.99	3.587 CC		
11,200.00	7,246.77	7,244.77	7,244.77	123.58	251.19	-90.00	-1,148.49	-2,924.33	1,341.95	967.20	374.75	3.581 ES		
11,300.00	7,246.93	7,244.93	7,244.93	126.34	251.20	-90.01	-1,148.49	-2,924.33	1,347.80	970.80	376.99	3.575 SF		
11,340.34	7,247.00	7,245.00	7,245.00	127.45	251.20	-90.01	-1,148.49	-2,924.33	1,352.24	974.53	377.71	3.580		
11,400.00	7,247.10	7,245.10	7,245.10	129.09	251.20	-90.01	-1,148.49	-2,924.33	1,360.37	981.80	378.57	3.593		
11,500.00	7,247.27	7,245.27	7,245.27	131.84	251.21	-90.02	-1,148.49	-2,924.33	1,376.96	997.46	379.49	3.628		
11,586.15	7,247.43	7,245.43	7,245.43	134.20	251.21	-90.02	-1,148.49	-2,924.33	1,394.13	1,014.35	379.78	3.671		
11,600.00	7,247.45	7,245.45	7,245.45	134.57	251.22	-90.02	-1,148.49	-2,924.33	1,397.16	1,017.38	379.78	3.679		
11,700.00	7,247.64	7,245.64	7,245.64	137.31	251.22	-90.03	-1,148.49	-2,924.33	1,422.88	1,043.39	379.49	3.749		
11,800.00	7,247.82	7,245.82	7,245.82	140.05	251.23	-90.04	-1,148.49	-2,924.33	1,455.04	1,076.36	378.68	3.842		
11,900.00	7,248.00	7,246.00	7,246.00	142.79	251.23	-90.05	-1,148.49	-2,924.33	1,493.21	1,115.78	377.43	3.956		
12,000.00	7,248.18	7,246.18	7,246.18	145.53	251.24	-90.05	-1,148.49	-2,924.33	1,536.95	1,161.12	375.82	4.090		
12,100.00	7,248.37	7,246.37	7,246.37	148.28	251.25	-90.06	-1,148.49	-2,924.33	1,585.79	1,211.85	373.94	4.241		
12,200.00	7,248.55	7,246.55	7,246.55	151.04	251.25	-90.07	-1,148.49	-2,924.33	1,639.29	1,267.43	371.86	4.408		
12,300.00	7,248.73	7,246.73	7,246.73	153.80	251.26	-90.08	-1,148.49	-2,924.33	1,697.00	1,327.36	369.64	4.591		
12,400.00	7,248.91	7,246.91	7,246.91	156.56	251.27	-90.09	-1,148.49	-2,924.33	1,758.51	1,391.16	367.34	4.787		
12,500.00	7,249.10	7,247.10	7,247.10	159.32	251.27	-90.09	-1,148.49	-2,924.33	1,823.42	1,458.41	365.01	4.996		
12,600.00	7,249.28	7,247.28	7,247.28	162.09	251.28	-90.10	-1,148.49	-2,924.33	1,891.40	1,528.72	362.68	5.215		
12,700.00	7,249.46	7,247.46	7,247.46	164.86	251.29	-90.11	-1,148.49	-2,924.33	1,962.13	1,601.74	360.39	5.445		
12,800.00	7,249.64	7,247.64	7,247.64	167.63	251.29	-90.12	-1,148.49	-2,924.33	2,035.31	1,677.17	358.14	5.683		
12,900.00	7,249.83	7,247.83	7,247.83	170.40	251.30	-90.12	-1,148.49	-2,924.33	2,110.69	1,754.73	355.96	5.930		
13,000.00	7,250.01	7,248.01	7,248.01	173.18	251.30	-90.13	-1,148.49	-2,924.33	2,188.05	1,834.20	353.85	6.184		
13,100.00	7,250.19	7,248.19	7,248.19	175.96	251.31	-90.14	-1,148.49	-2,924.33	2,267.17	1,915.35	351.82	6.444		
13,200.00	7,250.37	7,248.37	7,248.37	178.74	251.32	-90.15	-1,148.49	-2,924.33	2,347.90	1,998.01	349.88	6.711		
13,300.00	7,250.56	7,248.56	7,248.56	181.52	251.32	-90.15	-1,148.49	-2,924.33	2,430.05	2,082.02	348.03	6.982		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,400.00	7,250.74	7,248.74	7,248.74	184.31	251.33	-90.16	-1,148.49	-2,924.33	2,513.50	2,167.24	346.26	7.259			
13,500.00	7,250.92	7,248.92	7,248.92	187.09	251.34	-90.17	-1,148.49	-2,924.33	2,598.12	2,253.54	344.58	7.540			
13,600.00	7,251.10	7,249.10	7,249.10	189.88	251.34	-90.18	-1,148.49	-2,924.33	2,683.79	2,340.82	342.98	7.825			
13,700.00	7,251.29	7,249.29	7,249.29	192.67	251.35	-90.19	-1,148.49	-2,924.33	2,770.43	2,428.97	341.46	8.114			
13,800.00	7,251.47	7,249.47	7,249.47	195.47	251.36	-90.19	-1,148.49	-2,924.33	2,857.94	2,517.93	340.01	8.405			
13,900.00	7,251.65	7,249.65	7,249.65	198.26	251.36	-90.20	-1,148.49	-2,924.33	2,946.24	2,607.60	338.64	8.700			
14,000.00	7,251.83	7,249.83	7,249.83	201.05	251.37	-90.21	-1,148.49	-2,924.33	3,035.27	2,697.94	337.33	8.998			
14,100.00	7,252.01	7,250.01	7,250.01	203.85	251.37	-90.22	-1,148.49	-2,924.33	3,124.97	2,788.87	336.10	9.298			
14,200.00	7,252.20	7,250.20	7,250.20	206.65	251.38	-90.22	-1,148.49	-2,924.33	3,215.27	2,880.34	334.92	9.600			
14,300.00	7,252.38	7,250.38	7,250.38	209.45	251.39	-90.23	-1,148.49	-2,924.33	3,306.13	2,972.32	333.81	9.904			
14,400.00	7,252.56	7,250.56	7,250.56	212.25	251.39	-90.24	-1,148.49	-2,924.33	3,397.50	3,064.75	332.75	10.210			
14,500.00	7,252.74	7,250.74	7,250.74	215.05	251.40	-90.25	-1,148.49	-2,924.33	3,489.35	3,157.61	331.74	10.518			
14,600.00	7,252.93	7,250.93	7,250.93	217.86	251.41	-90.25	-1,148.49	-2,924.33	3,581.63	3,250.85	330.78	10.828			
14,700.00	7,253.11	7,251.11	7,251.11	220.66	251.41	-90.26	-1,148.49	-2,924.33	3,674.32	3,344.45	329.87	11.139			
14,800.00	7,253.29	7,251.29	7,251.29	223.47	251.42	-90.27	-1,148.49	-2,924.33	3,767.38	3,438.37	329.01	11.451			
14,900.00	7,253.47	7,251.47	7,251.47	226.27	251.43	-90.28	-1,148.49	-2,924.33	3,860.79	3,532.61	328.18	11.764			
15,000.00	7,253.66	7,251.66	7,251.66	229.08	251.43	-90.28	-1,148.49	-2,924.33	3,954.52	3,627.12	327.40	12.079			
15,100.00	7,253.84	7,251.84	7,251.84	231.89	251.44	-90.29	-1,148.49	-2,924.33	4,048.55	3,721.90	326.65	12.394			
15,200.00	7,254.02	7,252.02	7,252.02	234.70	251.44	-90.30	-1,148.49	-2,924.33	4,142.86	3,816.92	325.94	12.711			
15,300.00	7,254.20	7,252.20	7,252.20	237.51	251.45	-90.31	-1,148.49	-2,924.33	4,237.43	3,912.17	325.26	13.028			
15,400.00	7,254.39	7,252.39	7,252.39	240.32	251.46	-90.32	-1,148.49	-2,924.33	4,332.24	4,007.63	324.61	13.346			
15,500.00	7,254.57	7,252.57	7,252.57	243.13	251.46	-90.32	-1,148.49	-2,924.33	4,427.29	4,103.29	323.99	13.665			
15,600.00	7,254.75	7,252.75	7,252.75	245.94	251.47	-90.33	-1,148.49	-2,924.33	4,522.54	4,199.14	323.40	13.984			
15,700.00	7,254.93	7,252.93	7,252.93	248.76	251.48	-90.34	-1,148.49	-2,924.33	4,618.00	4,295.16	322.84	14.304			
15,800.00	7,255.12	7,253.12	7,253.12	251.57	251.48	-90.35	-1,148.49	-2,924.33	4,713.65	4,391.34	322.30	14.625			
15,900.00	7,255.30	7,253.30	7,253.30	254.39	251.49	-90.35	-1,148.49	-2,924.33	4,809.47	4,487.68	321.79	14.946			
16,000.00	7,255.48	7,253.48	7,253.48	257.20	251.50	-90.36	-1,148.49	-2,924.33	4,905.46	4,584.16	321.30	15.268			
16,100.00	7,255.66	7,253.66	7,253.66	260.02	251.50	-90.37	-1,148.49	-2,924.33	5,001.61	4,680.78	320.83	15.590			
16,200.00	7,255.85	7,253.85	7,253.85	262.84	251.51	-90.38	-1,148.49	-2,924.33	5,097.90	4,777.52	320.38	15.912			
16,300.00	7,256.03	7,254.03	7,254.03	265.65	251.51	-90.38	-1,148.49	-2,924.33	5,194.34	4,874.38	319.95	16.235			
16,400.00	7,256.21	7,254.21	7,254.21	268.47	251.52	-90.39	-1,148.49	-2,924.33	5,290.90	4,971.36	319.54	16.558			
16,500.00	7,256.39	7,254.39	7,254.39	271.29	251.53	-90.40	-1,148.49	-2,924.33	5,387.60	5,068.44	319.15	16.881			
16,600.00	7,256.58	7,254.58	7,254.58	274.11	251.53	-90.41	-1,148.49	-2,924.33	5,484.41	5,165.63	318.78	17.205			
16,700.00	7,256.76	7,254.76	7,254.76	276.93	251.54	-90.42	-1,148.49	-2,924.33	5,581.33	5,262.91	318.42	17.528			
16,800.00	7,256.94	7,254.94	7,254.94	279.75	251.55	-90.42	-1,148.49	-2,924.33	5,678.36	5,360.29	318.07	17.852			
16,900.00	7,257.12	7,255.12	7,255.12	282.57	251.55	-90.43	-1,148.49	-2,924.33	5,775.49	5,457.75	317.74	18.177			
17,000.00	7,257.30	7,255.30	7,255.30	285.40	251.56	-90.44	-1,148.49	-2,924.33	5,872.72	5,555.29	317.43	18.501			
17,100.00	7,257.49	7,255.49	7,255.49	288.22	251.57	-90.45	-1,148.49	-2,924.33	5,970.04	5,652.91	317.13	18.825			
17,200.00	7,257.67	7,255.67	7,255.67	291.04	251.57	-90.45	-1,148.49	-2,924.33	6,067.45	5,750.61	316.84	19.150			
17,300.00	7,257.85	7,255.85	7,255.85	293.87	251.58	-90.46	-1,148.49	-2,924.33	6,164.94	5,848.37	316.56	19.475			
17,400.00	7,258.03	7,256.03	7,256.03	296.69	251.58	-90.47	-1,148.49	-2,924.33	6,262.50	5,946.21	316.30	19.799			
17,500.00	7,258.22	7,256.22	7,256.22	299.51	251.59	-90.48	-1,148.49	-2,924.33	6,360.15	6,044.11	316.04	20.124			
17,600.00	7,258.40	7,256.40	7,256.40	302.34	251.60	-90.48	-1,148.49	-2,924.33	6,457.87	6,142.06	315.80	20.449			
17,700.00	7,258.58	7,256.58	7,256.58	305.16	251.60	-90.49	-1,148.49	-2,924.33	6,555.65	6,240.08	315.57	20.774			
17,800.00	7,258.76	7,256.76	7,256.76	307.99	251.61	-90.50	-1,148.49	-2,924.33	6,653.50	6,338.16	315.35	21.099			
17,900.00	7,258.95	7,256.95	7,256.95	310.82	251.62	-90.51	-1,148.49	-2,924.33	6,751.42	6,436.28	315.13	21.424			
18,000.00	7,259.13	7,257.13	7,257.13	313.64	251.62	-90.52	-1,148.49	-2,924.33	6,849.39	6,534.46	314.93	21.749			
18,100.00	7,259.31	7,257.31	7,257.31	316.47	251.63	-90.52	-1,148.49	-2,924.33	6,947.42	6,632.69	314.74	22.074			
18,200.00	7,259.49	7,257.49	7,257.49	319.30	251.64	-90.53	-1,148.49	-2,924.33	7,045.51	6,730.96	314.55	22.399			
18,300.00	7,259.68	7,257.68	7,257.68	322.12	251.64	-90.54	-1,148.49	-2,924.33	7,143.65	6,829.28	314.37	22.724			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,257.86	7,257.86	324.95	251.65	-90.55	-1,148.49	-2,924.33	7,241.84	6,927.64	314.20	23.048		
18,500.00	7,260.04	7,258.04	7,258.04	327.78	251.65	-90.55	-1,148.49	-2,924.33	7,340.08	7,026.04	314.04	23.373		
18,600.00	7,260.22	7,258.22	7,258.22	330.61	251.66	-90.56	-1,148.49	-2,924.33	7,438.37	7,124.48	313.88	23.698		
18,700.00	7,260.41	7,258.41	7,258.41	333.44	251.67	-90.57	-1,148.49	-2,924.33	7,536.70	7,222.96	313.74	24.022		
18,800.00	7,260.59	7,258.59	7,258.59	336.27	251.67	-90.58	-1,148.49	-2,924.33	7,635.08	7,321.48	313.60	24.347		
18,900.00	7,260.77	7,258.77	7,258.77	339.10	251.68	-90.58	-1,148.49	-2,924.33	7,733.49	7,420.03	313.46	24.671		
19,000.00	7,260.95	7,258.95	7,258.95	341.93	251.69	-90.59	-1,148.49	-2,924.33	7,831.95	7,518.62	313.33	24.996		
19,025.91	7,261.00	7,259.00	7,259.00	342.66	251.69	-90.59	-1,148.49	-2,924.33	7,857.47	7,544.17	313.30	25.080		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #14-8 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-176.94	-4,028.86	-215.56	4,034.68					
100.00	100.00	78.00	78.00	3.28	3.55	-176.94	-4,028.86	-215.56	4,034.62	4,027.79	6.84	590.197		
200.00	200.00	178.00	178.00	3.34	5.54	-176.94	-4,028.86	-215.56	4,034.62	4,025.74	8.88	454.344 CC		
300.00	299.98	277.98	277.98	3.44	8.61	92.38	-4,028.86	-215.56	4,034.69	4,022.64	12.05	334.814		
400.00	399.84	377.84	377.84	3.60	11.91	92.45	-4,028.86	-215.56	4,034.92	4,019.41	15.50	260.273		
500.00	499.45	477.45	477.45	3.81	15.28	92.56	-4,028.86	-215.56	4,035.30	4,016.22	19.08	211.515		
600.00	598.70	576.70	576.70	4.05	18.68	92.72	-4,028.86	-215.56	4,035.86	4,013.14	22.72	177.611		
700.00	697.47	675.47	675.47	4.34	22.08	92.92	-4,028.86	-215.56	4,036.64	4,010.23	26.41	152.831		
800.00	795.62	773.62	773.62	4.66	25.47	93.17	-4,028.86	-215.56	4,037.68	4,007.54	30.13	133.999		
849.22	843.68	821.68	821.68	4.84	27.14	93.30	-4,028.86	-215.56	4,038.29	4,006.32	31.97	126.312		
900.00	893.16	871.16	871.16	5.02	28.85	93.46	-4,028.86	-215.56	4,038.98	4,005.11	33.87	119.235		
1,000.00	990.60	968.60	968.60	5.41	32.24	93.77	-4,028.86	-215.56	4,040.44	4,002.79	37.65	107.322		
1,100.00	1,088.05	1,066.05	1,066.05	5.83	35.62	94.08	-4,028.86	-215.56	4,042.02	4,000.57	41.45	97.524		
1,200.00	1,185.49	1,163.49	1,163.49	6.26	39.01	94.39	-4,028.86	-215.56	4,043.72	3,998.45	45.26	89.335		
1,300.00	1,282.93	1,260.93	1,260.93	6.70	42.40	94.70	-4,028.86	-215.56	4,045.55	3,996.45	49.10	82.395		
1,400.00	1,380.37	1,358.37	1,358.37	7.15	45.79	95.01	-4,028.86	-215.56	4,047.50	3,994.55	52.95	76.444		
1,500.00	1,477.82	1,455.82	1,455.82	7.62	49.19	95.32	-4,028.86	-215.56	4,049.57	3,992.77	56.81	71.289		
1,600.00	1,575.26	1,553.26	1,553.26	8.09	52.58	95.63	-4,028.86	-215.56	4,051.77	3,991.10	60.67	66.782		
1,700.00	1,672.70	1,650.70	1,650.70	8.57	55.98	95.93	-4,028.86	-215.56	4,054.09	3,989.55	64.55	62.809		
1,800.00	1,770.15	1,748.15	1,748.15	9.05	59.37	96.24	-4,028.86	-215.56	4,056.54	3,988.11	68.43	59.284		
1,900.00	1,867.59	1,845.59	1,845.59	9.54	62.77	96.55	-4,028.86	-215.56	4,059.10	3,986.79	72.31	56.134		
2,000.00	1,965.03	1,943.03	1,943.03	10.03	66.17	96.86	-4,028.86	-215.56	4,061.80	3,985.59	76.20	53.304		
2,100.00	2,062.48	2,040.48	2,040.48	10.53	69.57	97.16	-4,028.86	-215.56	4,064.61	3,984.51	80.09	50.748		
2,200.00	2,159.92	2,137.92	2,137.92	11.03	72.96	97.47	-4,028.86	-215.56	4,067.54	3,983.55	83.99	48.429		
2,300.00	2,257.36	2,235.36	2,235.36	11.53	76.36	97.77	-4,028.86	-215.56	4,070.60	3,982.71	87.89	46.315		
2,400.00	2,354.81	2,332.81	2,332.81	12.03	79.76	98.08	-4,028.86	-215.56	4,073.78	3,981.99	91.79	44.381		
2,500.00	2,452.25	2,430.25	2,430.25	12.54	83.16	98.38	-4,028.86	-215.56	4,077.08	3,981.38	95.70	42.605		
2,600.00	2,549.69	2,527.69	2,527.69	13.04	86.56	98.69	-4,028.86	-215.56	4,080.50	3,980.90	99.60	40.968		
2,700.00	2,647.13	2,625.13	2,625.13	13.55	89.96	98.99	-4,028.86	-215.56	4,084.04	3,980.53	103.51	39.456		
2,800.00	2,744.58	2,722.58	2,722.58	14.06	93.36	99.30	-4,028.86	-215.56	4,087.70	3,980.29	107.42	38.055		
2,900.00	2,842.02	2,820.02	2,820.02	14.57	96.76	99.60	-4,028.86	-215.56	4,091.48	3,980.16	111.33	36.752		
3,000.00	2,939.46	2,917.46	2,917.46	15.09	100.16	99.90	-4,028.86	-215.56	4,095.39	3,980.15	115.24	35.539		
3,100.00	3,036.91	3,014.91	3,014.91	15.60	103.56	100.20	-4,028.86	-215.56	4,099.41	3,980.26	119.15	34.406		
3,200.00	3,134.35	3,112.35	3,112.35	16.11	106.96	100.50	-4,028.86	-215.56	4,103.55	3,980.49	123.06	33.345		
3,300.00	3,231.79	3,209.79	3,209.79	16.63	110.36	100.80	-4,028.86	-215.56	4,107.81	3,980.83	126.98	32.351		
3,400.00	3,329.24	3,307.24	3,307.24	17.14	113.76	101.10	-4,028.86	-215.56	4,112.18	3,981.30	130.89	31.417		
3,500.00	3,426.68	3,404.68	3,404.68	17.66	117.16	101.40	-4,028.86	-215.56	4,116.68	3,981.88	134.80	30.538		
3,600.00	3,524.12	3,502.12	3,502.12	18.18	120.56	101.70	-4,028.86	-215.56	4,121.29	3,982.57	138.72	29.710		
3,700.00	3,621.57	3,600.43	3,599.57	18.69	123.99	102.00	-4,028.86	-215.56	4,126.02	3,983.36	142.66	28.921		
3,800.00	3,719.01	3,702.99	3,697.01	19.21	127.57	102.30	-4,028.86	-215.56	4,130.87	3,984.11	146.76	28.147		
3,900.00	3,816.45	3,805.55	3,794.45	19.73	131.15	102.59	-4,028.86	-215.56	4,135.83	3,984.98	150.85	27.416		
4,000.00	3,913.90	3,908.10	3,891.90	20.25	134.73	102.89	-4,028.86	-215.56	4,140.91	3,985.97	154.95	26.724		
4,100.00	4,011.34	3,989.34	3,989.34	20.77	137.56	103.19	-4,028.86	-215.56	4,146.11	3,987.81	158.30	26.192		
4,200.00	4,108.78	4,086.78	4,086.78	21.29	140.96	103.48	-4,028.86	-215.56	4,151.42	3,989.20	162.22	25.592		
4,300.00	4,206.22	4,184.22	4,184.22	21.81	144.36	103.77	-4,028.86	-215.56	4,156.84	3,990.71	166.13	25.021		
4,400.00	4,303.67	4,281.67	4,281.67	22.33	147.76	104.07	-4,028.86	-215.56	4,162.38	3,992.33	170.05	24.477		
4,500.00	4,401.11	4,379.11	4,379.11	22.85	151.17	104.36	-4,028.86	-215.56	4,168.04	3,994.07	173.97	23.959		
4,600.00	4,498.55	4,476.55	4,476.55	23.37	154.57	104.65	-4,028.86	-215.56	4,173.80	3,995.92	177.88	23.464		
4,700.00	4,596.00	4,574.00	4,574.00	23.89	157.97	104.94	-4,028.86	-215.56	4,179.68	3,997.88	181.80	22.990		
4,800.00	4,693.44	4,671.44	4,671.44	24.41	161.37	105.23	-4,028.86	-215.56	4,185.67	3,999.95	185.72	22.538		
4,900.00	4,790.88	4,768.88	4,768.88	24.93	164.77	105.52	-4,028.86	-215.56	4,191.77	4,002.14	189.64	22.104		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #14-8 - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,888.33	4,866.33	4,866.33	25.46	168.17	105.81	-4,028.86	-215.56	4,197.99	4,004.44	193.55	21.689			
5,100.00	4,985.77	4,963.77	4,963.77	25.98	171.57	106.10	-4,028.86	-215.56	4,204.31	4,006.84	197.47	21.291			
5,200.00	5,083.21	5,061.21	5,061.21	26.50	174.97	106.39	-4,028.86	-215.56	4,210.75	4,009.36	201.39	20.909			
5,300.00	5,180.66	5,158.66	5,158.66	27.02	178.37	106.67	-4,028.86	-215.56	4,217.30	4,011.99	205.30	20.542			
5,400.00	5,278.10	5,256.10	5,256.10	27.55	181.77	106.96	-4,028.86	-215.56	4,223.95	4,014.73	209.22	20.189			
5,500.00	5,375.54	5,353.54	5,353.54	28.07	185.18	107.24	-4,028.86	-215.56	4,230.72	4,017.58	213.14	19.850			
5,582.90	5,456.32	5,434.32	5,434.32	28.50	188.00	107.48	-4,028.86	-215.56	4,236.40	4,020.02	216.38	19.578			
5,600.00	5,473.00	5,451.00	5,451.00	28.59	188.58	107.55	-4,028.86	-215.56	4,237.57	4,020.52	217.05	19.523			
5,700.00	5,570.93	5,548.93	5,548.93	29.10	192.00	107.92	-4,028.86	-215.56	4,243.84	4,022.87	220.97	19.206			
5,800.00	5,669.52	5,647.52	5,647.52	29.57	195.44	108.23	-4,028.86	-215.56	4,249.10	4,024.22	224.88	18.895			
5,900.00	5,768.62	5,746.62	5,746.62	30.03	198.90	108.48	-4,028.86	-215.56	4,253.32	4,024.53	228.79	18.590			
6,000.00	5,868.13	5,846.13	5,846.13	30.45	202.37	108.67	-4,028.86	-215.56	4,256.47	4,023.78	232.69	18.292			
6,100.00	5,967.93	5,945.93	5,945.93	30.86	205.85	108.79	-4,028.86	-215.56	4,258.51	4,021.93	236.58	18.000			
6,200.00	6,067.88	6,045.88	6,045.88	31.24	209.34	108.84	-4,028.86	-215.56	4,259.44	4,018.98	240.46	17.714			
6,232.12	6,100.00	6,078.00	6,078.00	31.36	210.46	-160.45	-4,028.86	-215.56	4,259.49	4,017.80	241.70	17.623			
6,300.00	6,167.88	6,145.88	6,145.88	31.61	212.83	-160.45	-4,028.86	-215.56	4,259.49	4,015.18	244.31	17.435			
6,400.00	6,267.88	6,245.88	6,245.88	31.97	216.32	-160.45	-4,028.86	-215.56	4,259.49	4,011.33	248.16	17.164			
6,500.00	6,367.88	6,345.88	6,345.88	32.34	219.81	-160.45	-4,028.86	-215.56	4,259.49	4,007.47	252.02	16.901			
6,600.00	6,467.88	6,445.88	6,445.88	32.70	223.30	-160.45	-4,028.86	-215.56	4,259.49	4,003.62	255.88	16.647			
6,700.00	6,567.88	6,545.88	6,545.88	33.07	226.80	-160.45	-4,028.86	-215.56	4,259.49	3,999.76	259.74	16.399			
6,736.50	6,604.38	6,582.38	6,582.38	33.21	228.07	-160.45	-4,028.86	-215.56	4,259.49	3,998.35	261.15	16.311			
6,750.00	6,617.88	6,604.12	6,595.88	33.25	228.83	-73.36	-4,028.86	-215.56	4,259.45	3,997.50	261.95	16.260			
6,800.00	6,667.77	6,645.77	6,645.77	33.43	230.28	-73.47	-4,028.86	-215.56	4,258.59	3,995.01	263.58	16.157			
6,850.00	6,717.28	6,704.72	6,695.28	33.60	232.34	-73.73	-4,028.86	-215.56	4,256.61	3,990.80	265.81	16.013			
6,900.00	6,766.09	6,744.09	6,744.09	33.79	233.71	-74.13	-4,028.86	-215.56	4,253.56	3,986.19	267.37	15.909			
6,950.00	6,813.90	6,808.10	6,791.90	33.99	235.95	-74.67	-4,028.86	-215.56	4,249.47	3,979.67	269.80	15.750			
7,000.00	6,860.42	6,838.42	6,838.42	34.20	237.01	-75.34	-4,028.86	-215.56	4,244.41	3,973.34	271.07	15.658			
7,050.00	6,905.36	6,883.36	6,883.36	34.42	238.58	-76.12	-4,028.86	-215.56	4,238.44	3,965.58	272.86	15.533			
7,100.00	6,948.45	6,926.45	6,926.45	34.67	240.08	-77.01	-4,028.86	-215.56	4,231.67	3,957.06	274.61	15.410			
7,150.00	6,989.41	6,967.41	6,967.41	34.94	241.51	-77.99	-4,028.86	-215.56	4,224.18	3,947.88	276.30	15.288			
7,200.00	7,028.00	7,006.00	7,006.00	35.24	242.86	-79.04	-4,028.86	-215.56	4,216.09	3,938.15	277.94	15.169			
7,250.00	7,063.98	7,041.98	7,041.98	35.56	244.11	-80.15	-4,028.86	-215.56	4,207.51	3,927.99	279.52	15.053			
7,300.00	7,097.13	7,075.13	7,075.13	35.92	245.27	-81.30	-4,028.86	-215.56	4,198.56	3,917.53	281.03	14.940			
7,350.00	7,127.23	7,105.23	7,105.23	36.32	246.32	-82.46	-4,028.86	-215.56	4,189.36	3,906.89	282.48	14.831			
7,400.00	7,154.12	7,132.12	7,132.12	36.75	247.26	-83.62	-4,028.86	-215.56	4,180.04	3,896.20	283.84	14.726			
7,450.00	7,177.61	7,155.61	7,155.61	37.22	248.08	-84.76	-4,028.86	-215.56	4,170.72	3,885.58	285.14	14.627			
7,500.00	7,197.57	7,175.57	7,175.57	37.73	248.78	-85.86	-4,028.86	-215.56	4,161.50	3,875.15	286.35	14.533			
7,550.00	7,213.88	7,208.12	7,191.88	38.28	249.91	-86.89	-4,028.86	-215.56	4,152.51	3,864.47	288.04	14.417			
7,600.00	7,226.42	7,204.42	7,204.42	38.87	249.78	-87.85	-4,028.86	-215.56	4,143.84	3,855.34	288.50	14.363			
7,650.00	7,235.13	7,213.13	7,213.13	39.48	250.09	-88.73	-4,028.86	-215.56	4,135.58	3,846.16	289.43	14.289			
7,700.00	7,239.95	7,217.95	7,217.95	40.12	250.26	-89.50	-4,028.86	-215.56	4,127.82	3,837.57	290.24	14.222			
7,735.44	7,241.00	7,219.00	7,219.00	40.59	250.29	-89.99	-4,028.86	-215.56	4,122.64	3,831.89	290.75	14.179			
7,800.00	7,241.11	7,219.11	7,219.11	41.47	250.30	-89.99	-4,028.86	-215.56	4,113.98	3,822.33	291.66	14.106			
7,900.00	7,241.27	7,219.27	7,219.27	42.96	250.30	-89.99	-4,028.86	-215.56	4,102.54	3,809.36	293.19	13.993			
8,000.00	7,241.44	7,219.44	7,219.44	44.59	250.31	-89.99	-4,028.86	-215.56	4,093.51	3,798.66	294.85	13.883			
8,100.00	7,241.61	7,219.61	7,219.61	46.34	250.31	-89.99	-4,028.86	-215.56	4,086.91	3,790.27	296.63	13.778			
8,200.00	7,241.77	7,219.77	7,219.77	48.20	250.32	-90.00	-4,028.86	-215.56	4,082.74	3,784.23	298.52	13.677			
8,300.00	7,241.94	7,219.94	7,219.94	50.16	250.32	-90.00	-4,028.86	-215.56	4,081.03	3,780.54	300.48	13.582			
8,320.10	7,241.97	7,219.97	7,219.97	50.57	250.33	-90.00	-4,028.86	-215.56	4,080.98	3,780.08	300.89	13.563			
8,400.00	7,242.11	7,220.11	7,220.11	52.20	250.33	-90.00	-4,028.86	-215.56	4,081.76	3,779.24	302.52	13.493 ES			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #14-8 - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
8,500.00	7,242.27	7,220.27	7,220.27	54.31	250.34	-90.00	-4,028.86	-215.56	4,084.94	3,780.34	304.60	13.411			
8,600.00	7,242.44	7,220.44	7,220.44	56.49	250.34	-90.01	-4,028.86	-215.56	4,090.56	3,783.83	306.73	13.336			
8,700.00	7,242.60	7,220.60	7,220.60	58.73	250.35	-90.01	-4,028.86	-215.56	4,098.62	3,789.73	308.89	13.269			
8,800.00	7,242.77	7,220.77	7,220.77	61.03	250.35	-90.01	-4,028.86	-215.56	4,109.10	3,798.04	311.06	13.210			
8,900.00	7,242.94	7,220.94	7,220.94	63.37	250.36	-90.01	-4,028.86	-215.56	4,121.97	3,808.74	313.24	13.159			
9,000.00	7,243.10	7,221.10	7,221.10	65.75	250.37	-90.02	-4,028.86	-215.56	4,137.23	3,821.81	315.41	13.117			
9,100.00	7,243.27	7,221.27	7,221.27	68.18	250.37	-90.02	-4,028.86	-215.56	4,154.83	3,837.26	317.57	13.083			
9,200.00	7,243.44	7,221.44	7,221.44	70.63	250.38	-90.02	-4,028.86	-215.56	4,174.76	3,855.04	319.72	13.058			
9,300.00	7,243.60	7,221.60	7,221.60	73.12	250.38	-90.02	-4,028.86	-215.56	4,196.97	3,875.14	321.84	13.041			
9,400.00	7,243.77	7,221.77	7,221.77	75.63	250.39	-90.03	-4,028.86	-215.56	4,221.44	3,897.52	323.92	13.032			
9,500.00	7,243.94	7,221.94	7,221.94	78.17	250.39	-90.03	-4,028.86	-215.56	4,248.12	3,922.15	325.97	13.032 SF			
9,600.00	7,244.10	7,222.10	7,222.10	80.73	250.40	-90.03	-4,028.86	-215.56	4,276.97	3,948.99	327.98	13.040			
9,700.00	7,244.27	7,222.27	7,222.27	83.31	250.41	-90.03	-4,028.86	-215.56	4,307.96	3,978.01	329.95	13.056			
9,800.00	7,244.44	7,222.44	7,222.44	85.91	250.41	-90.03	-4,028.86	-215.56	4,341.02	4,009.15	331.87	13.081			
9,900.00	7,244.60	7,222.60	7,222.60	88.53	250.42	-90.04	-4,028.86	-215.56	4,376.12	4,042.39	333.74	13.112			
10,000.00	7,244.77	7,222.77	7,222.77	91.16	250.42	-90.04	-4,028.86	-215.56	4,413.21	4,077.66	335.56	13.152			
10,100.00	7,244.94	7,222.94	7,222.94	93.81	250.43	-90.04	-4,028.86	-215.56	4,452.24	4,114.92	337.32	13.199			
10,200.00	7,245.10	7,223.10	7,223.10	96.46	250.43	-90.04	-4,028.86	-215.56	4,493.15	4,154.12	339.03	13.253			
10,300.00	7,245.27	7,223.27	7,223.27	99.14	250.44	-90.05	-4,028.86	-215.56	4,535.90	4,195.21	340.68	13.314			
10,400.00	7,245.43	7,223.43	7,223.43	101.82	250.45	-90.05	-4,028.86	-215.56	4,580.43	4,238.15	342.28	13.382			
10,500.00	7,245.60	7,223.60	7,223.60	104.51	250.45	-90.05	-4,028.86	-215.56	4,626.70	4,282.87	343.83	13.456			
10,600.00	7,245.77	7,223.77	7,223.77	107.21	250.46	-90.05	-4,028.86	-215.56	4,674.65	4,329.33	345.32	13.537			
10,700.00	7,245.93	7,223.93	7,223.93	109.92	250.46	-90.06	-4,028.86	-215.56	4,724.22	4,377.47	346.75	13.624			
10,800.00	7,246.10	7,224.10	7,224.10	112.64	250.47	-90.06	-4,028.86	-215.56	4,775.38	4,427.25	348.13	13.717			
10,900.00	7,246.27	7,224.27	7,224.27	115.37	250.48	-90.06	-4,028.86	-215.56	4,828.07	4,478.61	349.46	13.816			
11,000.00	7,246.43	7,224.43	7,224.43	118.10	250.48	-90.06	-4,028.86	-215.56	4,882.24	4,531.50	350.74	13.920			
11,100.00	7,246.60	7,224.60	7,224.60	120.84	250.49	-90.06	-4,028.86	-215.56	4,937.83	4,585.87	351.96	14.030			
11,200.00	7,246.77	7,224.77	7,224.77	123.58	250.49	-90.07	-4,028.86	-215.56	4,994.82	4,641.68	353.14	14.144			
11,300.00	7,246.93	7,224.93	7,224.93	126.34	250.50	-90.07	-4,028.86	-215.56	5,053.13	4,698.87	354.26	14.264			
11,340.34	7,247.00	7,225.00	7,225.00	127.45	250.50	-90.07	-4,028.86	-215.56	5,077.03	4,722.32	354.70	14.313			
11,400.00	7,247.10	7,225.10	7,225.10	129.09	250.50	-90.07	-4,028.86	-215.56	5,112.24	4,756.90	355.34	14.387			
11,500.00	7,247.27	7,225.27	7,225.27	131.84	250.51	-90.07	-4,028.86	-215.56	5,170.04	4,813.64	356.40	14.506			
11,586.15	7,247.43	7,225.43	7,225.43	134.20	250.52	-90.07	-4,028.86	-215.56	5,218.58	4,861.29	357.28	14.606			
11,600.00	7,247.45	7,225.45	7,225.45	134.57	250.52	-90.07	-4,028.86	-215.56	5,226.30	4,868.88	357.42	14.622			
11,700.00	7,247.64	7,225.64	7,225.64	137.31	250.52	-90.07	-4,028.86	-215.56	5,282.80	4,924.39	358.41	14.740			
11,800.00	7,247.82	7,225.82	7,225.82	140.05	250.53	-90.08	-4,028.86	-215.56	5,340.57	4,981.22	359.35	14.862			
11,900.00	7,248.00	7,226.00	7,226.00	142.79	250.54	-90.08	-4,028.86	-215.56	5,399.58	5,039.32	360.26	14.988			
12,000.00	7,248.18	7,226.18	7,226.18	145.53	250.54	-90.08	-4,028.86	-215.56	5,459.78	5,098.66	361.12	15.119			
12,100.00	7,248.37	7,226.37	7,226.37	148.28	250.55	-90.08	-4,028.86	-215.56	5,521.14	5,159.19	361.95	15.254			
12,200.00	7,248.55	7,226.55	7,226.55	151.04	250.56	-90.08	-4,028.86	-215.56	5,583.61	5,220.88	362.73	15.393			
12,300.00	7,248.73	7,226.73	7,226.73	153.80	250.56	-90.09	-4,028.86	-215.56	5,647.16	5,283.68	363.49	15.536			
12,400.00	7,248.91	7,226.91	7,226.91	156.56	250.57	-90.09	-4,028.86	-215.56	5,711.76	5,347.55	364.21	15.683			
12,500.00	7,249.10	7,227.10	7,227.10	159.32	250.57	-90.09	-4,028.86	-215.56	5,777.37	5,412.47	364.89	15.833			
12,600.00	7,249.28	7,227.28	7,227.28	162.09	250.58	-90.09	-4,028.86	-215.56	5,843.95	5,478.40	365.55	15.987			
12,700.00	7,249.46	7,227.46	7,227.46	164.86	250.59	-90.10	-4,028.86	-215.56	5,911.47	5,545.30	366.17	16.144			
12,800.00	7,249.64	7,227.64	7,227.64	167.63	250.59	-90.10	-4,028.86	-215.56	5,979.90	5,613.13	366.77	16.304			
12,900.00	7,249.83	7,227.83	7,227.83	170.40	250.60	-90.10	-4,028.86	-215.56	6,049.21	5,681.87	367.34	16.468			
13,000.00	7,250.01	7,228.01	7,228.01	173.18	250.61	-90.10	-4,028.86	-215.56	6,119.37	5,751.49	367.88	16.634			
13,100.00	7,250.19	7,228.19	7,228.19	175.96	250.61	-90.11	-4,028.86	-215.56	6,190.35	5,821.96	368.40	16.804			
13,200.00	7,250.37	7,228.37	7,228.37	178.74	250.62	-90.11	-4,028.86	-215.56	6,262.13	5,893.24	368.89	16.976			
13,300.00	7,250.56	7,228.56	7,228.56	181.52	250.63	-90.11	-4,028.86	-215.56	6,334.66	5,965.31	369.36	17.151			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #14-8 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,400.00	7,250.74	7,228.74	7,228.74	184.31	250.63	-90.11	-4,028.86	-215.56	6,407.94	6,038.14	369.80	17.328		
13,500.00	7,250.92	7,228.92	7,228.92	187.09	250.64	-90.12	-4,028.86	-215.56	6,481.93	6,111.71	370.23	17.508		
13,600.00	7,251.10	7,229.10	7,229.10	189.88	250.64	-90.12	-4,028.86	-215.56	6,556.62	6,185.98	370.63	17.690		
13,700.00	7,251.29	7,229.29	7,229.29	192.67	250.65	-90.12	-4,028.86	-215.56	6,631.97	6,260.95	371.02	17.875		
13,800.00	7,251.47	7,229.47	7,229.47	195.47	250.66	-90.12	-4,028.86	-215.56	6,707.96	6,336.57	371.39	18.062		
13,900.00	7,251.65	7,229.65	7,229.65	198.26	250.66	-90.13	-4,028.86	-215.56	6,784.58	6,412.84	371.74	18.251		
14,000.00	7,251.83	7,229.83	7,229.83	201.05	250.67	-90.13	-4,028.86	-215.56	6,861.79	6,489.72	372.07	18.442		
14,100.00	7,252.01	7,230.01	7,230.01	203.85	250.68	-90.13	-4,028.86	-215.56	6,939.59	6,567.20	372.39	18.635		
14,200.00	7,252.20	7,230.20	7,230.20	206.65	250.68	-90.13	-4,028.86	-215.56	7,017.96	6,645.26	372.69	18.830		
14,300.00	7,252.38	7,230.38	7,230.38	209.45	250.69	-90.14	-4,028.86	-215.56	7,096.86	6,723.88	372.98	19.027		
14,400.00	7,252.56	7,230.56	7,230.56	212.25	250.70	-90.14	-4,028.86	-215.56	7,176.29	6,803.04	373.26	19.226		
14,500.00	7,252.74	7,230.74	7,230.74	215.05	250.70	-90.14	-4,028.86	-215.56	7,256.24	6,882.71	373.52	19.427		
14,600.00	7,252.93	7,230.93	7,230.93	217.86	250.71	-90.14	-4,028.86	-215.56	7,336.67	6,962.90	373.77	19.629		
14,700.00	7,253.11	7,231.11	7,231.11	220.66	250.71	-90.15	-4,028.86	-215.56	7,417.58	7,043.57	374.01	19.833		
14,800.00	7,253.29	7,231.29	7,231.29	223.47	250.72	-90.15	-4,028.86	-215.56	7,498.95	7,124.71	374.24	20.038		
14,900.00	7,253.47	7,231.47	7,231.47	226.27	250.73	-90.15	-4,028.86	-215.56	7,580.76	7,206.31	374.45	20.245		
15,000.00	7,253.66	7,231.66	7,231.66	229.08	250.73	-90.15	-4,028.86	-215.56	7,663.01	7,288.35	374.66	20.453		
15,100.00	7,253.84	7,231.84	7,231.84	231.89	250.74	-90.15	-4,028.86	-215.56	7,745.67	7,370.82	374.86	20.663		
15,200.00	7,254.02	7,232.02	7,232.02	234.70	250.75	-90.16	-4,028.86	-215.56	7,828.74	7,453.70	375.04	20.874		
15,300.00	7,254.20	7,232.20	7,232.20	237.51	250.75	-90.16	-4,028.86	-215.56	7,912.20	7,536.98	375.22	21.087		
15,400.00	7,254.39	7,232.39	7,232.39	240.32	250.76	-90.16	-4,028.86	-215.56	7,996.04	7,620.65	375.39	21.300		
15,500.00	7,254.57	7,232.57	7,232.57	243.13	250.77	-90.16	-4,028.86	-215.56	8,080.25	7,704.69	375.56	21.515		
15,600.00	7,254.75	7,232.75	7,232.75	245.94	250.77	-90.17	-4,028.86	-215.56	8,164.81	7,789.10	375.71	21.731		
15,700.00	7,254.93	7,232.93	7,232.93	248.76	250.78	-90.17	-4,028.86	-215.56	8,249.72	7,873.86	375.86	21.949		
15,800.00	7,255.12	7,233.12	7,233.12	251.57	250.78	-90.17	-4,028.86	-215.56	8,334.97	7,958.96	376.00	22.167		
15,900.00	7,255.30	7,233.30	7,233.30	254.39	250.79	-90.17	-4,028.86	-215.56	8,420.54	8,044.40	376.14	22.387		
16,000.00	7,255.48	7,233.48	7,233.48	257.20	250.80	-90.18	-4,028.86	-215.56	8,506.42	8,130.15	376.27	22.607		
16,100.00	7,255.66	7,233.66	7,233.66	260.02	250.80	-90.18	-4,028.86	-215.56	8,592.61	8,216.22	376.39	22.829		
16,200.00	7,255.85	7,233.85	7,233.85	262.84	250.81	-90.18	-4,028.86	-215.56	8,679.09	8,302.58	376.51	23.051		
16,300.00	7,256.03	7,234.03	7,234.03	265.65	250.82	-90.18	-4,028.86	-215.56	8,765.87	8,389.24	376.62	23.275		
16,400.00	7,256.21	7,234.21	7,234.21	268.47	250.82	-90.19	-4,028.86	-215.56	8,852.92	8,476.19	376.73	23.499		
16,500.00	7,256.39	7,234.39	7,234.39	271.29	250.83	-90.19	-4,028.86	-215.56	8,940.24	8,563.40	376.84	23.724		
16,600.00	7,256.58	7,234.58	7,234.58	274.11	250.84	-90.19	-4,028.86	-215.56	9,027.83	8,650.89	376.94	23.951		
16,700.00	7,256.76	7,234.76	7,234.76	276.93	250.84	-90.19	-4,028.86	-215.56	9,115.67	8,738.64	377.03	24.178		
16,800.00	7,256.94	7,234.94	7,234.94	279.75	250.85	-90.20	-4,028.86	-215.56	9,203.76	8,826.64	377.12	24.405		
16,900.00	7,257.12	7,235.12	7,235.12	282.57	250.85	-90.20	-4,028.86	-215.56	9,292.09	8,914.88	377.21	24.634		
17,000.00	7,257.30	7,235.30	7,235.30	285.40	250.86	-90.20	-4,028.86	-215.56	9,380.65	9,003.36	377.29	24.863		
17,100.00	7,257.49	7,235.49	7,235.49	288.22	250.87	-90.20	-4,028.86	-215.56	9,469.45	9,092.07	377.37	25.093		
17,200.00	7,257.67	7,235.67	7,235.67	291.04	250.87	-90.21	-4,028.86	-215.56	9,558.46	9,181.01	377.45	25.324		
17,300.00	7,257.85	7,235.85	7,235.85	293.87	250.88	-90.21	-4,028.86	-215.56	9,647.69	9,270.16	377.52	25.555		
17,400.00	7,258.03	7,236.03	7,236.03	296.69	250.89	-90.21	-4,028.86	-215.56	9,737.13	9,359.53	377.59	25.787		
17,500.00	7,258.22	7,236.22	7,236.22	299.51	250.89	-90.21	-4,028.86	-215.56	9,826.77	9,449.11	377.66	26.020		
17,600.00	7,258.40	7,236.40	7,236.40	302.34	250.90	-90.22	-4,028.86	-215.56	9,916.61	9,538.88	377.73	26.253		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	40.00	40.00	3.28	3.35	-71.84	1,439.02	-4,387.01	4,616.99					
100.00	100.00	140.00	140.00	3.28	4.54	-71.84	1,439.02	-4,387.01	4,616.99	4,609.17	7.83	589.902		
200.00	200.00	240.00	240.00	3.34	7.40	-71.84	1,439.02	-4,387.01	4,616.99	4,606.26	10.74	430.023		
300.00	299.98	339.98	339.98	3.44	10.64	-162.55	1,439.02	-4,387.01	4,618.66	4,604.57	14.08	327.936		
400.00	399.84	439.84	439.84	3.60	14.00	-162.54	1,439.02	-4,387.01	4,623.65	4,606.05	17.60	262.730		
500.00	499.45	539.45	539.45	3.81	17.40	-162.52	1,439.02	-4,387.01	4,631.97	4,610.76	21.20	218.465		
600.00	598.70	638.70	638.70	4.05	20.81	-162.49	1,439.02	-4,387.01	4,643.60	4,618.74	24.86	186.789		
700.00	697.47	737.47	737.47	4.34	24.22	-162.46	1,439.02	-4,387.01	4,658.53	4,629.98	28.55	163.165		
800.00	795.62	835.62	835.62	4.66	27.62	-162.42	1,439.02	-4,387.01	4,676.75	4,644.49	32.26	144.969		
849.22	843.68	883.68	883.68	4.84	29.29	-162.39	1,439.02	-4,387.01	4,686.92	4,652.83	34.09	137.478		
900.00	893.16	933.16	933.16	5.02	31.01	-162.44	1,439.02	-4,387.01	4,697.82	4,661.84	35.98	130.568		
1,000.00	990.60	1,030.60	1,030.60	5.41	34.39	-162.52	1,439.02	-4,387.01	4,719.30	4,679.59	39.71	118.841		
1,100.00	1,088.05	1,128.05	1,128.05	5.83	37.78	-162.60	1,439.02	-4,387.01	4,740.78	4,697.32	43.46	109.076		
1,200.00	1,185.49	1,225.49	1,225.49	6.26	41.17	-162.68	1,439.02	-4,387.01	4,762.28	4,715.05	47.23	100.827		
1,300.00	1,282.93	1,322.93	1,322.93	6.70	44.56	-162.76	1,439.02	-4,387.01	4,783.78	4,732.77	51.01	93.772		
1,400.00	1,380.37	1,420.37	1,420.37	7.15	47.95	-162.84	1,439.02	-4,387.01	4,805.29	4,750.48	54.81	87.673		
1,500.00	1,477.82	1,517.82	1,517.82	7.62	51.35	-162.92	1,439.02	-4,387.01	4,826.81	4,768.20	58.61	82.351		
1,600.00	1,575.26	1,615.26	1,615.26	8.09	54.74	-163.00	1,439.02	-4,387.01	4,848.34	4,785.92	62.42	77.668		
1,700.00	1,672.70	1,712.70	1,712.70	8.57	58.14	-163.07	1,439.02	-4,387.01	4,869.88	4,803.64	66.24	73.516		
1,800.00	1,770.15	1,810.15	1,810.15	9.05	61.53	-163.15	1,439.02	-4,387.01	4,891.42	4,821.36	70.07	69.812		
1,900.00	1,867.59	1,907.59	1,907.59	9.54	64.93	-163.23	1,439.02	-4,387.01	4,912.98	4,839.08	73.89	66.486		
2,000.00	1,965.03	2,005.03	2,005.03	10.03	68.33	-163.30	1,439.02	-4,387.01	4,934.54	4,856.81	77.73	63.485		
2,100.00	2,062.48	2,102.48	2,102.48	10.53	71.73	-163.38	1,439.02	-4,387.01	4,956.11	4,874.55	81.56	60.764		
2,200.00	2,159.92	2,200.08	2,199.92	11.03	75.13	-163.45	1,439.02	-4,387.01	4,977.69	4,892.28	85.41	58.281		
2,300.00	2,257.36	2,302.64	2,297.36	11.53	78.71	-163.52	1,439.02	-4,387.01	4,999.27	4,909.84	89.43	55.902		
2,400.00	2,354.81	2,405.19	2,394.81	12.03	82.29	-163.60	1,439.02	-4,387.01	5,020.87	4,927.42	93.45	53.727		
2,500.00	2,452.25	2,507.75	2,492.25	12.54	85.86	-163.67	1,439.02	-4,387.01	5,042.47	4,944.99	97.48	51.730		
2,600.00	2,549.69	2,589.69	2,589.69	13.04	88.72	-163.74	1,439.02	-4,387.01	5,064.08	4,963.29	100.78	50.247		
2,700.00	2,647.13	2,687.13	2,687.13	13.55	92.12	-163.81	1,439.02	-4,387.01	5,085.69	4,981.06	104.63	48.604		
2,800.00	2,744.58	2,784.58	2,784.58	14.06	95.52	-163.88	1,439.02	-4,387.01	5,107.32	4,998.83	108.49	47.078		
2,900.00	2,842.02	2,882.02	2,882.02	14.57	98.92	-163.95	1,439.02	-4,387.01	5,128.95	5,016.61	112.34	45.656		
3,000.00	2,939.46	2,979.46	2,979.46	15.09	102.32	-164.02	1,439.02	-4,387.01	5,150.59	5,034.39	116.19	44.328		
3,100.00	3,036.91	3,076.91	3,076.91	15.60	105.72	-164.09	1,439.02	-4,387.01	5,172.23	5,052.18	120.05	43.085		
3,200.00	3,134.35	3,174.35	3,174.35	16.11	109.12	-164.15	1,439.02	-4,387.01	5,193.88	5,069.98	123.90	41.919		
3,300.00	3,231.79	3,271.79	3,271.79	16.63	112.52	-164.22	1,439.02	-4,387.01	5,215.54	5,087.78	127.76	40.823		
3,400.00	3,329.24	3,369.24	3,369.24	17.14	115.92	-164.29	1,439.02	-4,387.01	5,237.21	5,105.59	131.62	39.791		
3,500.00	3,426.68	3,466.68	3,466.68	17.66	119.32	-164.35	1,439.02	-4,387.01	5,258.88	5,123.40	135.48	38.817		
3,600.00	3,524.12	3,564.12	3,564.12	18.18	122.72	-164.42	1,439.02	-4,387.01	5,280.56	5,141.22	139.34	37.898		
3,700.00	3,621.57	3,661.57	3,661.57	18.69	126.12	-164.49	1,439.02	-4,387.01	5,302.25	5,159.05	143.20	37.028		
3,800.00	3,719.01	3,759.01	3,759.01	19.21	129.52	-164.55	1,439.02	-4,387.01	5,323.94	5,176.88	147.06	36.203		
3,900.00	3,816.45	3,856.45	3,856.45	19.73	132.92	-164.61	1,439.02	-4,387.01	5,345.64	5,194.72	150.92	35.421		
4,000.00	3,913.90	3,953.90	3,953.90	20.25	136.32	-164.68	1,439.02	-4,387.01	5,367.34	5,212.56	154.78	34.677		
4,100.00	4,011.34	4,051.34	4,051.34	20.77	139.73	-164.74	1,439.02	-4,387.01	5,389.05	5,230.41	158.64	33.970		
4,200.00	4,108.78	4,148.78	4,148.78	21.29	143.13	-164.80	1,439.02	-4,387.01	5,410.77	5,248.27	162.50	33.296		
4,300.00	4,206.22	4,246.22	4,246.22	21.81	146.53	-164.86	1,439.02	-4,387.01	5,432.50	5,266.13	166.37	32.654		
4,400.00	4,303.67	4,343.67	4,343.67	22.33	149.93	-164.93	1,439.02	-4,387.01	5,454.23	5,284.00	170.23	32.041		
4,500.00	4,401.11	4,441.11	4,441.11	22.85	153.33	-164.99	1,439.02	-4,387.01	5,475.96	5,301.87	174.09	31.454		
4,600.00	4,498.55	4,538.55	4,538.55	23.37	156.73	-165.05	1,439.02	-4,387.01	5,497.70	5,319.75	177.96	30.894		
4,700.00	4,596.00	4,636.00	4,636.00	23.89	160.13	-165.11	1,439.02	-4,387.01	5,519.45	5,337.63	181.82	30.357		
4,800.00	4,693.44	4,733.44	4,733.44	24.41	163.53	-165.17	1,439.02	-4,387.01	5,541.20	5,355.52	185.68	29.842		
4,900.00	4,790.88	4,830.88	4,830.88	24.93	166.93	-165.23	1,439.02	-4,387.01	5,562.96	5,373.41	189.55	29.348		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,928.33	4,928.33	25.46	170.33	-165.29	1,439.02	-4,387.01	5,584.73	5,391.31	193.41	28.875		
5,100.00	4,985.77	5,025.77	5,025.77	25.98	173.74	-165.34	1,439.02	-4,387.01	5,606.50	5,409.22	197.28	28.419		
5,200.00	5,083.21	5,123.21	5,123.21	26.50	177.14	-165.40	1,439.02	-4,387.01	5,628.27	5,427.13	201.14	27.981		
5,300.00	5,180.66	5,220.66	5,220.66	27.02	180.54	-165.46	1,439.02	-4,387.01	5,650.05	5,445.04	205.01	27.560		
5,400.00	5,278.10	5,318.10	5,318.10	27.55	183.94	-165.52	1,439.02	-4,387.01	5,671.84	5,462.96	208.87	27.154		
5,500.00	5,375.54	5,415.54	5,415.54	28.07	187.34	-165.57	1,439.02	-4,387.01	5,693.63	5,480.89	212.74	26.763		
5,582.90	5,456.32	5,503.68	5,496.32	28.50	190.42	-165.62	1,439.02	-4,387.01	5,711.70	5,495.50	216.20	26.418		
5,600.00	5,473.00	5,513.00	5,513.00	28.59	190.74	-165.65	1,439.02	-4,387.01	5,715.38	5,498.77	216.61	26.386		
5,700.00	5,570.93	5,610.93	5,610.93	29.10	194.16	-165.79	1,439.02	-4,387.01	5,734.96	5,514.48	220.48	26.011		
5,800.00	5,669.52	5,709.52	5,709.52	29.57	197.60	-165.92	1,439.02	-4,387.01	5,751.21	5,526.84	224.37	25.632		
5,900.00	5,768.62	5,808.62	5,808.62	30.03	201.06	-166.01	1,439.02	-4,387.01	5,764.12	5,535.85	228.27	25.251		
6,000.00	5,868.13	5,908.13	5,908.13	30.45	204.53	-166.08	1,439.02	-4,387.01	5,773.67	5,541.49	232.17	24.868		
6,100.00	5,967.93	6,007.93	6,007.93	30.86	208.02	-166.13	1,439.02	-4,387.01	5,779.83	5,543.76	236.07	24.483		
6,200.00	6,067.88	6,107.88	6,107.88	31.24	211.51	-166.15	1,439.02	-4,387.01	5,782.62	5,542.65	239.97	24.097		
6,232.12	6,100.00	6,140.00	6,140.00	31.36	212.63	-75.44	1,439.02	-4,387.01	5,782.79	5,541.58	241.21	23.974		
6,300.00	6,167.88	6,207.88	6,207.88	31.61	215.00	-75.44	1,439.02	-4,387.01	5,782.79	5,538.95	243.84	23.715		
6,400.00	6,267.88	6,307.88	6,307.88	31.97	218.49	-75.44	1,439.02	-4,387.01	5,782.79	5,535.08	247.71	23.345		
6,500.00	6,367.88	6,407.88	6,407.88	32.34	221.98	-75.44	1,439.02	-4,387.01	5,782.79	5,531.21	251.59	22.985		
6,600.00	6,467.88	6,507.88	6,507.88	32.70	225.47	-75.44	1,439.02	-4,387.01	5,782.79	5,527.33	255.46	22.637		
6,700.00	6,567.88	6,607.88	6,607.88	33.07	228.96	-75.44	1,439.02	-4,387.01	5,782.79	5,523.46	259.34	22.298		
6,736.50	6,604.38	6,644.38	6,644.38	33.21	230.23	-75.44	1,439.02	-4,387.01	5,782.79	5,522.04	260.75	22.177		
6,750.00	6,617.88	6,657.88	6,657.88	33.25	230.70	11.66	1,439.02	-4,387.01	5,782.65	5,521.38	261.27	22.133		
6,800.00	6,667.77	6,707.77	6,707.77	33.43	232.45	11.72	1,439.02	-4,387.01	5,779.69	5,516.50	263.19	21.960		
6,850.00	6,717.28	6,757.28	6,757.28	33.60	234.17	11.86	1,439.02	-4,387.01	5,772.91	5,507.83	265.08	21.778		
6,900.00	6,766.09	6,806.09	6,806.09	33.79	235.88	12.08	1,439.02	-4,387.01	5,762.34	5,495.42	266.92	21.588		
6,950.00	6,813.90	6,853.90	6,853.90	33.99	237.55	12.40	1,439.02	-4,387.01	5,748.06	5,479.34	268.72	21.390		
7,000.00	6,860.42	6,900.42	6,900.42	34.20	239.17	12.82	1,439.02	-4,387.01	5,730.15	5,459.69	270.46	21.187		
7,050.00	6,905.36	6,945.36	6,945.36	34.42	240.74	13.35	1,439.02	-4,387.01	5,708.73	5,436.60	272.13	20.978		
7,100.00	6,948.45	6,988.45	6,988.45	34.67	242.24	14.02	1,439.02	-4,387.01	5,683.92	5,410.21	273.71	20.766		
7,150.00	6,989.41	7,029.41	7,029.41	34.94	243.67	14.85	1,439.02	-4,387.01	5,655.89	5,380.68	275.21	20.551		
7,200.00	7,028.00	7,068.00	7,068.00	35.24	245.02	15.88	1,439.02	-4,387.01	5,624.81	5,348.19	276.61	20.334		
7,250.00	7,063.98	7,103.98	7,103.98	35.56	246.28	17.16	1,439.02	-4,387.01	5,590.87	5,312.95	277.92	20.117		
7,300.00	7,097.13	7,137.13	7,137.13	35.92	247.43	18.77	1,439.02	-4,387.01	5,554.28	5,275.17	279.11	19.900		
7,350.00	7,127.23	7,167.23	7,167.23	36.32	248.48	20.80	1,439.02	-4,387.01	5,515.28	5,235.09	280.19	19.684		
7,400.00	7,154.12	7,205.88	7,194.12	36.75	249.83	23.42	1,439.02	-4,387.01	5,474.10	5,192.54	281.56	19.442		
7,450.00	7,177.61	7,217.61	7,217.61	37.22	250.24	26.86	1,439.02	-4,387.01	5,431.00	5,149.01	281.99	19.259		
7,500.00	7,197.57	7,237.57	7,237.57	37.73	250.94	31.47	1,439.02	-4,387.01	5,386.26	5,103.55	282.71	19.052		
7,550.00	7,213.88	7,253.88	7,253.88	38.28	251.51	37.83	1,439.02	-4,387.01	5,340.14	5,056.84	283.30	18.850		
7,600.00	7,226.42	7,266.42	7,266.42	38.87	251.95	46.77	1,439.02	-4,387.01	5,292.93	5,009.17	283.77	18.652		
7,650.00	7,235.13	7,275.13	7,275.13	39.48	252.25	59.34	1,439.02	-4,387.01	5,244.94	4,960.83	284.10	18.461		
7,700.00	7,239.95	7,279.95	7,279.95	40.12	252.42	76.05	1,439.02	-4,387.01	5,196.44	4,912.13	284.31	18.277		
7,735.44	7,241.00	7,281.00	7,281.00	40.59	252.46	89.59	1,439.02	-4,387.01	5,161.94	4,877.55	284.38	18.151		
7,800.00	7,241.11	7,281.11	7,281.11	41.47	252.46	89.59	1,439.02	-4,387.01	5,099.07	4,814.61	284.46	17.925		
7,900.00	7,241.27	7,281.27	7,281.27	42.96	252.47	89.60	1,439.02	-4,387.01	5,001.79	4,717.19	284.60	17.575		
8,000.00	7,241.44	7,281.44	7,281.44	44.59	252.47	89.61	1,439.02	-4,387.01	4,904.61	4,619.85	284.76	17.224		
8,100.00	7,241.61	7,281.61	7,281.61	46.34	252.48	89.62	1,439.02	-4,387.01	4,807.55	4,522.60	284.95	16.872		
8,200.00	7,241.77	7,281.77	7,281.77	48.20	252.48	89.63	1,439.02	-4,387.01	4,710.61	4,425.44	285.17	16.519		
8,300.00	7,241.94	7,281.94	7,281.94	50.16	252.49	89.64	1,439.02	-4,387.01	4,613.80	4,328.38	285.42	16.165		
8,400.00	7,242.11	7,282.11	7,282.11	52.20	252.49	89.64	1,439.02	-4,387.01	4,517.13	4,231.43	285.70	15.810		
8,500.00	7,242.27	7,282.27	7,282.27	54.31	252.50	89.65	1,439.02	-4,387.01	4,420.61	4,134.58	286.03	15.455		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	7,282.44	7,282.44	56.49	252.51	89.66	1,439.02	-4,387.01	4,324.25	4,037.85	286.40	15.099		
8,700.00	7,242.60	7,282.60	7,282.60	58.73	252.51	89.67	1,439.02	-4,387.01	4,228.05	3,941.24	286.81	14.742		
8,800.00	7,242.77	7,282.77	7,282.77	61.03	252.52	89.68	1,439.02	-4,387.01	4,132.04	3,844.77	287.27	14.384		
8,900.00	7,242.94	7,282.94	7,282.94	63.37	252.52	89.68	1,439.02	-4,387.01	4,036.22	3,748.44	287.78	14.025		
9,000.00	7,243.10	7,283.10	7,283.10	65.75	252.53	89.69	1,439.02	-4,387.01	3,940.61	3,652.25	288.36	13.666		
9,100.00	7,243.27	7,283.27	7,283.27	68.18	252.54	89.70	1,439.02	-4,387.01	3,845.22	3,556.23	288.99	13.306		
9,200.00	7,243.44	7,283.44	7,283.44	70.63	252.54	89.71	1,439.02	-4,387.01	3,750.07	3,460.38	289.69	12.945		
9,300.00	7,243.60	7,283.60	7,283.60	73.12	252.55	89.72	1,439.02	-4,387.01	3,655.18	3,364.71	290.47	12.584		
9,400.00	7,243.77	7,283.77	7,283.77	75.63	252.55	89.73	1,439.02	-4,387.01	3,560.57	3,269.24	291.33	12.222		
9,500.00	7,243.94	7,283.94	7,283.94	78.17	252.56	89.73	1,439.02	-4,387.01	3,466.26	3,173.99	292.27	11.860		
9,600.00	7,244.10	7,284.10	7,284.10	80.73	252.56	89.74	1,439.02	-4,387.01	3,372.28	3,078.98	293.30	11.498		
9,700.00	7,244.27	7,284.27	7,284.27	83.31	252.57	89.75	1,439.02	-4,387.01	3,278.66	2,984.22	294.44	11.135		
9,800.00	7,244.44	7,284.44	7,284.44	85.91	252.58	89.76	1,439.02	-4,387.01	3,185.42	2,889.74	295.68	10.773		
9,900.00	7,244.60	7,284.60	7,284.60	88.53	252.58	89.77	1,439.02	-4,387.01	3,092.61	2,795.57	297.04	10.411		
10,000.00	7,244.77	7,284.77	7,284.77	91.16	252.59	89.77	1,439.02	-4,387.01	3,000.26	2,701.73	298.53	10.050		
10,100.00	7,244.94	7,284.94	7,284.94	93.81	252.59	89.78	1,439.02	-4,387.01	2,908.41	2,608.26	300.16	9.690		
10,200.00	7,245.10	7,285.10	7,285.10	96.46	252.60	89.79	1,439.02	-4,387.01	2,817.13	2,515.19	301.93	9.330		
10,300.00	7,245.27	7,285.27	7,285.27	99.14	252.61	89.80	1,439.02	-4,387.01	2,726.45	2,422.58	303.87	8.973		
10,400.00	7,245.43	7,285.43	7,285.43	101.82	252.61	89.81	1,439.02	-4,387.01	2,636.44	2,330.47	305.97	8.617		
10,500.00	7,245.60	7,285.60	7,285.60	104.51	252.62	89.82	1,439.02	-4,387.01	2,547.18	2,238.92	308.27	8.263		
10,600.00	7,245.77	7,285.77	7,285.77	107.21	252.62	89.82	1,439.02	-4,387.01	2,458.75	2,147.99	310.76	7.912		
10,700.00	7,245.93	7,285.93	7,285.93	109.92	252.63	89.83	1,439.02	-4,387.01	2,371.24	2,057.76	313.48	7.564		
10,800.00	7,246.10	7,286.10	7,286.10	112.64	252.63	89.84	1,439.02	-4,387.01	2,284.75	1,968.33	316.43	7.220		
10,900.00	7,246.27	7,286.27	7,286.27	115.37	252.64	89.85	1,439.02	-4,387.01	2,199.41	1,879.78	319.63	6.881		
11,000.00	7,246.43	7,286.43	7,286.43	118.10	252.65	89.86	1,439.02	-4,387.01	2,115.36	1,792.25	323.11	6.547		
11,100.00	7,246.60	7,286.60	7,286.60	120.84	252.65	89.86	1,439.02	-4,387.01	2,032.74	1,705.86	326.88	6.219		
11,200.00	7,246.77	7,286.77	7,286.77	123.58	252.66	89.87	1,439.02	-4,387.01	1,951.76	1,620.79	330.97	5.897		
11,300.00	7,246.93	7,286.93	7,286.93	126.34	252.66	89.88	1,439.02	-4,387.01	1,872.61	1,537.23	335.38	5.584		
11,340.34	7,247.00	7,287.00	7,287.00	127.45	252.67	89.88	1,439.02	-4,387.01	1,841.26	1,504.00	337.26	5.460		
11,400.00	7,247.10	7,287.10	7,287.10	129.09	252.67	89.89	1,439.02	-4,387.01	1,795.96	1,455.78	340.17	5.280		
11,500.00	7,247.27	7,287.27	7,287.27	131.84	252.68	89.90	1,439.02	-4,387.01	1,723.93	1,378.43	345.50	4.990		
11,586.15	7,247.43	7,287.43	7,287.43	134.20	252.68	89.91	1,439.02	-4,387.01	1,666.29	1,315.78	350.51	4.754		
11,600.00	7,247.45	7,287.45	7,287.45	134.57	252.68	89.91	1,439.02	-4,387.01	1,657.41	1,306.06	351.35	4.717		
11,700.00	7,247.64	7,287.64	7,287.64	137.31	252.69	89.92	1,439.02	-4,387.01	1,595.41	1,237.82	357.59	4.462		
11,800.00	7,247.82	7,287.82	7,287.82	140.05	252.69	89.93	1,439.02	-4,387.01	1,537.42	1,173.32	364.10	4.222		
11,900.00	7,248.00	7,288.00	7,288.00	142.79	252.70	89.94	1,439.02	-4,387.01	1,483.91	1,113.07	370.84	4.002		
12,000.00	7,248.18	7,288.18	7,288.18	145.53	252.71	89.95	1,439.02	-4,387.01	1,435.38	1,057.68	377.70	3.800		
12,100.00	7,248.37	7,288.37	7,288.37	148.28	252.71	89.95	1,439.02	-4,387.01	1,392.35	1,007.77	384.58	3.620		
12,200.00	7,248.55	7,288.55	7,288.55	151.04	252.72	89.96	1,439.02	-4,387.01	1,355.35	964.01	391.34	3.463		
12,300.00	7,248.73	7,288.73	7,288.73	153.80	252.73	89.97	1,439.02	-4,387.01	1,324.88	927.06	397.81	3.330		
12,400.00	7,248.91	7,288.91	7,288.91	156.56	252.73	89.98	1,439.02	-4,387.01	1,301.39	897.56	403.83	3.223		
12,500.00	7,249.10	7,289.10	7,289.10	159.32	252.74	89.99	1,439.02	-4,387.01	1,285.28	876.07	409.22	3.141		
12,600.00	7,249.28	7,289.28	7,289.28	162.09	252.74	90.00	1,439.02	-4,387.01	1,276.82	863.01	413.82	3.085		
12,658.36	7,249.39	7,289.39	7,289.39	163.70	252.75	90.00	1,439.02	-4,387.01	1,275.49	859.40	416.09	3.065 CC		
12,700.00	7,249.46	7,289.46	7,289.46	164.86	252.75	90.00	1,439.02	-4,387.01	1,276.17	858.66	417.51	3.057 ES		
12,800.00	7,249.64	7,289.64	7,289.64	167.63	252.76	90.01	1,439.02	-4,387.01	1,283.33	863.11	420.23	3.054 SF		
12,900.00	7,249.83	7,289.83	7,289.83	170.40	252.76	90.02	1,439.02	-4,387.01	1,298.18	876.24	421.94	3.077		
13,000.00	7,250.01	7,309.99	7,290.01	173.18	253.47	90.03	1,439.02	-4,387.01	1,320.45	897.06	423.39	3.119		
13,100.00	7,250.19	7,309.81	7,290.19	175.96	253.46	90.04	1,439.02	-4,387.01	1,349.79	926.53	423.25	3.189		
13,200.00	7,250.37	7,309.63	7,290.37	178.74	253.46	90.04	1,439.02	-4,387.01	1,385.73	963.39	422.34	3.281		
13,300.00	7,250.56	7,309.44	7,290.56	181.52	253.45	90.05	1,439.02	-4,387.01	1,427.79	1,007.01	420.78	3.393		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,400.00	7,250.74	7,309.26	7,290.74	184.31	253.44	90.06	1,439.02	-4,387.01	1,475.43	1,056.72	418.71	3.524		
13,500.00	7,250.92	7,309.08	7,290.92	187.09	253.44	90.07	1,439.02	-4,387.01	1,528.15	1,111.89	416.25	3.671		
13,600.00	7,251.10	7,308.90	7,291.10	189.88	253.43	90.08	1,439.02	-4,387.01	1,585.42	1,171.90	413.52	3.834		
13,700.00	7,251.29	7,308.72	7,291.29	192.67	253.42	90.09	1,439.02	-4,387.01	1,646.78	1,236.17	410.61	4.011		
13,800.00	7,251.47	7,308.53	7,291.47	195.47	253.42	90.09	1,439.02	-4,387.01	1,711.79	1,304.19	407.60	4.200		
13,900.00	7,251.65	7,308.35	7,291.65	198.26	253.41	90.10	1,439.02	-4,387.01	1,780.04	1,375.49	404.55	4.400		
14,000.00	7,251.83	7,308.17	7,291.83	201.05	253.40	90.11	1,439.02	-4,387.01	1,851.18	1,449.68	401.51	4.611		
14,100.00	7,252.01	7,307.99	7,292.01	203.85	253.40	90.12	1,439.02	-4,387.01	1,924.89	1,526.38	398.51	4.830		
14,200.00	7,252.20	7,307.80	7,292.20	206.65	253.39	90.13	1,439.02	-4,387.01	2,000.88	1,605.29	395.59	5.058		
14,300.00	7,252.38	7,307.62	7,292.38	209.45	253.39	90.13	1,439.02	-4,387.01	2,078.91	1,686.15	392.76	5.293		
14,400.00	7,252.56	7,307.44	7,292.56	212.25	253.38	90.14	1,439.02	-4,387.01	2,158.75	1,768.72	390.03	5.535		
14,500.00	7,252.74	7,307.26	7,292.74	215.05	253.37	90.15	1,439.02	-4,387.01	2,240.20	1,852.79	387.41	5.783		
14,600.00	7,252.93	7,307.07	7,292.93	217.86	253.37	90.16	1,439.02	-4,387.01	2,323.11	1,938.21	384.90	6.036		
14,700.00	7,253.11	7,306.89	7,293.11	220.66	253.36	90.17	1,439.02	-4,387.01	2,407.31	2,024.81	382.50	6.294		
14,800.00	7,253.29	7,306.71	7,293.29	223.47	253.35	90.18	1,439.02	-4,387.01	2,492.69	2,112.47	380.22	6.556		
14,900.00	7,253.47	7,306.53	7,293.47	226.27	253.35	90.18	1,439.02	-4,387.01	2,579.11	2,201.07	378.05	6.822		
15,000.00	7,253.66	7,306.34	7,293.66	229.08	253.34	90.19	1,439.02	-4,387.01	2,666.48	2,290.51	375.98	7.092		
15,100.00	7,253.84	7,306.16	7,293.84	231.89	253.33	90.20	1,439.02	-4,387.01	2,754.72	2,380.71	374.01	7.365		
15,200.00	7,254.02	7,305.98	7,294.02	234.70	253.33	90.21	1,439.02	-4,387.01	2,843.73	2,471.59	372.14	7.642		
15,300.00	7,254.20	7,305.80	7,294.20	237.51	253.32	90.22	1,439.02	-4,387.01	2,933.45	2,563.09	370.36	7.921		
15,400.00	7,254.39	7,305.61	7,294.39	240.32	253.32	90.22	1,439.02	-4,387.01	3,023.81	2,655.14	368.67	8.202		
15,500.00	7,254.57	7,305.43	7,294.57	243.13	253.31	90.23	1,439.02	-4,387.01	3,114.77	2,747.70	367.06	8.486		
15,600.00	7,254.75	7,305.25	7,294.75	245.94	253.30	90.24	1,439.02	-4,387.01	3,206.26	2,840.73	365.53	8.771		
15,700.00	7,254.93	7,305.07	7,294.93	248.76	253.30	90.25	1,439.02	-4,387.01	3,298.25	2,934.17	364.08	9.059		
15,800.00	7,255.12	7,304.88	7,295.12	251.57	253.29	90.26	1,439.02	-4,387.01	3,390.69	3,027.99	362.69	9.349		
15,900.00	7,255.30	7,304.70	7,295.30	254.39	253.28	90.27	1,439.02	-4,387.01	3,483.54	3,122.17	361.37	9.640		
16,000.00	7,255.48	7,304.52	7,295.48	257.20	253.28	90.27	1,439.02	-4,387.01	3,576.79	3,216.67	360.12	9.932		
16,100.00	7,255.66	7,304.34	7,295.66	260.02	253.27	90.28	1,439.02	-4,387.01	3,670.39	3,311.47	358.92	10.226		
16,200.00	7,255.85	7,304.15	7,295.85	262.84	253.26	90.29	1,439.02	-4,387.01	3,764.31	3,406.54	357.77	10.521		
16,300.00	7,256.03	7,303.97	7,296.03	265.65	253.26	90.30	1,439.02	-4,387.01	3,858.55	3,501.86	356.68	10.818		
16,400.00	7,256.21	7,303.79	7,296.21	268.47	253.25	90.31	1,439.02	-4,387.01	3,953.06	3,597.42	355.64	11.115		
16,500.00	7,256.39	7,303.61	7,296.39	271.29	253.25	90.31	1,439.02	-4,387.01	4,047.84	3,693.20	354.65	11.414		
16,600.00	7,256.58	7,303.43	7,296.58	274.11	253.24	90.32	1,439.02	-4,387.01	4,142.87	3,789.18	353.69	11.713		
16,700.00	7,256.76	7,303.24	7,296.76	276.93	253.23	90.33	1,439.02	-4,387.01	4,238.12	3,885.34	352.78	12.013		
16,800.00	7,256.94	7,303.06	7,296.94	279.75	253.23	90.34	1,439.02	-4,387.01	4,333.59	3,981.68	351.91	12.314		
16,900.00	7,257.12	7,302.88	7,297.12	282.57	253.22	90.35	1,439.02	-4,387.01	4,429.26	4,078.18	351.08	12.616		
17,000.00	7,257.30	7,302.70	7,297.30	285.40	253.21	90.36	1,439.02	-4,387.01	4,525.11	4,174.84	350.28	12.919		
17,100.00	7,257.49	7,302.51	7,297.49	288.22	253.21	90.36	1,439.02	-4,387.01	4,621.15	4,271.63	349.51	13.222		
17,200.00	7,257.67	7,302.33	7,297.67	291.04	253.20	90.37	1,439.02	-4,387.01	4,717.34	4,368.56	348.78	13.525		
17,300.00	7,257.85	7,302.15	7,297.85	293.87	253.19	90.38	1,439.02	-4,387.01	4,813.69	4,465.62	348.07	13.830		
17,400.00	7,258.03	7,301.97	7,298.03	296.69	253.19	90.39	1,439.02	-4,387.01	4,910.19	4,562.79	347.40	14.134		
17,500.00	7,258.22	7,301.78	7,298.22	299.51	253.18	90.40	1,439.02	-4,387.01	5,006.82	4,660.08	346.75	14.439		
17,600.00	7,258.40	7,301.60	7,298.40	302.34	253.18	90.40	1,439.02	-4,387.01	5,103.59	4,757.46	346.12	14.745		
17,700.00	7,258.58	7,301.42	7,298.58	305.16	253.17	90.41	1,439.02	-4,387.01	5,200.47	4,854.95	345.52	15.051		
17,800.00	7,258.76	7,301.24	7,298.76	307.99	253.16	90.42	1,439.02	-4,387.01	5,297.48	4,952.53	344.95	15.357		
17,900.00	7,258.95	7,301.05	7,298.95	310.82	253.16	90.43	1,439.02	-4,387.01	5,394.59	5,050.20	344.39	15.664		
18,000.00	7,259.13	7,300.87	7,299.13	313.64	253.15	90.44	1,439.02	-4,387.01	5,491.80	5,147.94	343.86	15.971		
18,100.00	7,259.31	7,300.69	7,299.31	316.47	253.14	90.45	1,439.02	-4,387.01	5,589.12	5,245.77	343.35	16.278		
18,200.00	7,259.49	7,300.51	7,299.49	319.30	253.14	90.45	1,439.02	-4,387.01	5,686.52	5,343.67	342.85	16.586		
18,300.00	7,259.68	7,300.32	7,299.68	322.12	253.13	90.46	1,439.02	-4,387.01	5,784.02	5,441.64	342.38	16.894		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
18,400.00	7,259.86	7,300.14	7,299.86	324.95	253.12	90.47	1,439.02	-4,387.01	5,881.60	5,539.68	341.92	17.202			
18,500.00	7,260.04	7,300.04	7,300.04	327.78	253.12	90.48	1,439.02	-4,387.01	5,979.26	5,637.78	341.48	17.510			
18,600.00	7,260.22	7,300.22	7,300.22	330.61	253.13	90.49	1,439.02	-4,387.01	6,076.99	5,735.93	341.07	17.818			
18,700.00	7,260.41	7,300.41	7,300.41	333.44	253.13	90.50	1,439.02	-4,387.01	6,174.80	5,834.13	340.67	18.126			
18,800.00	7,260.59	7,300.59	7,300.59	336.27	253.14	90.50	1,439.02	-4,387.01	6,272.68	5,932.40	340.28	18.434			
18,900.00	7,260.77	7,300.77	7,300.77	339.10	253.15	90.51	1,439.02	-4,387.01	6,370.62	6,030.71	339.92	18.742			
19,000.00	7,260.95	7,300.95	7,300.95	341.93	253.15	90.52	1,439.02	-4,387.01	6,468.63	6,129.07	339.56	19.050			
19,025.91	7,261.00	7,301.00	7,301.00	342.66	253.15	90.52	1,439.02	-4,387.01	6,494.03	6,154.57	339.47	19.130			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program:		100-MWD											Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)						
0.00	0.00	0.00	0.00	3.28	3.28	164.60	-3,706.79	1,020.77	3,844.78								
100.00	100.00	78.30	78.30	3.28	3.28	164.61	-3,707.05	1,020.46	3,844.97	3,838.40	6.57	585.294					
200.00	200.00	168.01	168.01	3.34	3.32	164.62	-3,707.78	1,019.71	3,845.53	3,838.87	6.66	577.578					
300.00	299.98	291.65	291.64	3.44	3.44	73.95	-3,708.47	1,019.47	3,845.56	3,838.67	6.88	558.550					
400.00	399.84	384.62	384.61	3.60	3.58	74.04	-3,708.52	1,019.65	3,844.23	3,837.05	7.18	535.476					
500.00	499.45	491.49	491.48	3.81	3.79	74.22	-3,708.63	1,020.00	3,842.02	3,834.43	7.59	506.285					
600.00	598.70	584.58	584.57	4.05	4.01	74.43	-3,708.62	1,020.44	3,838.82	3,830.77	8.05	476.892					
700.00	697.47	686.86	686.85	4.34	4.28	74.74	-3,708.74	1,020.76	3,834.81	3,826.20	8.60	445.655					
800.00	795.62	793.94	793.92	4.66	4.59	75.13	-3,708.64	1,021.16	3,829.77	3,820.53	9.24	414.538					
849.22	843.68	846.20	846.19	4.84	4.75	75.34	-3,708.49	1,021.41	3,826.91	3,817.34	9.57	399.881					
900.00	893.16	899.92	899.91	5.02	4.92	75.51	-3,708.29	1,021.57	3,823.82	3,813.90	9.92	385.293					
1,000.00	990.60	983.87	983.85	5.41	5.19	75.78	-3,708.11	1,021.74	3,817.96	3,807.37	10.59	360.674					
1,100.00	1,088.05	1,076.81	1,076.80	5.83	5.51	76.09	-3,708.18	1,021.86	3,812.46	3,801.15	11.31	337.050					
1,200.00	1,185.49	1,178.15	1,178.14	6.26	5.86	76.42	-3,708.28	1,021.89	3,807.10	3,795.01	12.09	314.949					
1,300.00	1,282.93	1,268.46	1,268.44	6.70	6.18	76.72	-3,708.37	1,021.89	3,801.85	3,789.00	12.85	295.905					
1,400.00	1,380.37	1,376.76	1,376.74	7.15	6.58	77.07	-3,708.53	1,022.02	3,796.81	3,783.12	13.70	277.239					
1,500.00	1,477.82	1,471.44	1,471.42	7.62	6.93	77.39	-3,708.44	1,022.00	3,791.63	3,777.13	14.51	261.396					
1,600.00	1,575.26	1,570.64	1,570.63	8.09	7.30	77.72	-3,708.53	1,021.76	3,786.70	3,771.36	15.34	246.811					
1,700.00	1,672.70	1,660.86	1,660.84	8.57	7.64	78.02	-3,708.57	1,021.60	3,781.87	3,765.71	16.16	234.040					
1,800.00	1,770.15	1,750.89	1,750.87	9.05	7.99	78.33	-3,708.88	1,021.34	3,777.44	3,760.46	16.99	222.370					
1,900.00	1,867.59	1,844.39	1,844.37	9.54	8.36	78.65	-3,709.34	1,020.92	3,773.25	3,755.41	17.84	211.518					
2,000.00	1,965.03	1,947.16	1,947.14	10.03	8.76	79.00	-3,709.91	1,020.46	3,769.27	3,750.53	18.73	201.193					
2,100.00	2,062.48	2,049.02	2,049.00	10.53	9.17	79.36	-3,710.22	1,019.73	3,765.11	3,745.48	19.63	191.775					
2,200.00	2,159.92	2,148.20	2,148.17	11.03	9.56	79.71	-3,710.64	1,018.79	3,761.18	3,740.66	20.53	183.233					
2,300.00	2,257.36	2,249.79	2,249.75	11.53	9.97	80.06	-3,710.85	1,017.74	3,757.16	3,735.73	21.44	175.277					
2,400.00	2,354.81	2,344.01	2,343.97	12.03	10.36	80.40	-3,711.12	1,016.70	3,753.36	3,731.04	22.32	168.158					
2,500.00	2,452.25	2,441.90	2,441.85	12.54	10.76	80.74	-3,711.37	1,015.87	3,749.72	3,726.49	23.22	161.452					
2,600.00	2,549.69	2,543.18	2,543.13	13.04	11.17	81.10	-3,711.60	1,015.00	3,746.17	3,722.02	24.15	155.140					
2,700.00	2,647.13	2,645.56	2,645.50	13.55	11.60	81.46	-3,711.66	1,014.01	3,742.60	3,717.52	25.08	149.246					
2,800.00	2,744.58	2,745.86	2,745.80	14.06	12.01	81.82	-3,711.63	1,013.25	3,739.11	3,713.11	26.00	143.807					
2,900.00	2,842.02	2,841.76	2,841.70	14.57	12.41	82.15	-3,711.51	1,012.47	3,735.67	3,708.76	26.91	138.821					
3,000.00	2,939.46	2,929.83	2,929.76	15.09	12.78	82.47	-3,711.59	1,011.64	3,732.56	3,704.77	27.79	134.310					
3,100.00	3,036.91	3,020.41	3,020.34	15.60	13.16	82.79	-3,711.88	1,010.94	3,729.82	3,701.14	28.68	130.029					
3,200.00	3,134.35	3,119.22	3,119.15	16.11	13.57	83.14	-3,712.18	1,010.41	3,727.24	3,697.63	29.61	125.858					
3,300.00	3,231.79	3,209.52	3,209.45	16.63	13.95	83.45	-3,712.51	1,010.35	3,724.91	3,694.41	30.51	122.093					
3,400.00	3,329.24	3,308.06	3,307.99	17.14	14.36	83.79	-3,712.93	1,010.34	3,722.79	3,691.35	31.44	118.415					
3,500.00	3,426.68	3,410.54	3,410.47	17.66	14.79	84.14	-3,713.29	1,010.32	3,720.72	3,688.33	32.39	114.882					
3,600.00	3,524.12	3,495.02	3,494.94	18.18	15.15	84.43	-3,713.69	1,010.38	3,718.91	3,685.65	33.26	111.809					
3,700.00	3,621.57	3,601.00	3,600.92	18.69	15.60	84.80	-3,714.26	1,010.19	3,717.28	3,683.05	34.23	108.602					
3,800.00	3,719.01	3,687.02	3,686.94	19.21	15.97	85.10	-3,714.76	1,009.82	3,715.81	3,680.70	35.11	105.821					
3,900.00	3,816.45	3,796.17	3,796.09	19.73	16.43	85.48	-3,715.42	1,009.56	3,714.53	3,678.43	36.10	102.899					
4,000.00	3,913.90	3,899.40	3,899.31	20.25	16.87	85.84	-3,715.74	1,009.47	3,713.09	3,676.04	37.06	100.193					
4,100.00	4,011.34	3,997.70	3,997.62	20.77	17.29	86.18	-3,715.96	1,009.44	3,711.72	3,673.72	38.00	97.681					
4,200.00	4,108.78	4,098.61	4,098.53	21.29	17.71	86.53	-3,716.12	1,009.53	3,710.42	3,671.47	38.95	95.271					
4,300.00	4,206.22	4,197.14	4,197.06	21.81	18.13	86.87	-3,716.20	1,009.81	3,709.19	3,669.31	39.88	93.011					
4,400.00	4,303.67	4,288.51	4,288.42	22.33	18.51	87.18	-3,716.34	1,010.19	3,708.17	3,667.38	40.78	90.924					
4,500.00	4,401.11	4,389.84	4,389.76	22.85	18.93	87.52	-3,716.54	1,010.66	3,707.32	3,665.59	41.73	88.841					
4,600.00	4,498.55	4,481.32	4,481.24	23.37	19.31	87.83	-3,716.71	1,011.23	3,706.60	3,663.97	42.64	86.936					
4,700.00	4,596.00	4,575.07	4,574.99	23.89	19.71	88.15	-3,717.05	1,011.64	3,706.17	3,662.61	43.55	85.092					
4,800.00	4,693.44	4,672.85	4,672.76	24.41	20.12	88.49	-3,717.44	1,012.00	3,705.91	3,661.42	44.49	83.292					
4,853.99	4,746.05	4,720.50	4,720.41	24.69	20.33	88.65	-3,717.64	1,012.22	3,705.84	3,660.86	44.98	82.392 CC					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,790.88	4,756.03	4,755.94	24.93	20.48	88.77	-3,717.87	1,012.37	3,705.91	3,660.54	45.37	81.682		
5,000.00	4,888.33	4,840.72	4,840.62	25.46	20.84	89.06	-3,718.73	1,012.63	3,706.51	3,660.25	46.25	80.133		
5,100.00	4,985.77	4,936.27	4,936.17	25.98	21.25	89.39	-3,719.84	1,012.62	3,707.38	3,660.20	47.19	78.565		
5,200.00	5,083.21	5,038.08	5,037.97	26.50	21.69	89.75	-3,721.02	1,012.39	3,708.40	3,660.24	48.15	77.015		
5,300.00	5,180.66	5,141.07	5,140.96	27.02	22.13	90.11	-3,721.97	1,011.90	3,709.32	3,660.20	49.12	75.515		
5,400.00	5,278.10	5,240.73	5,240.61	27.55	22.56	90.46	-3,722.89	1,011.57	3,710.39	3,660.32	50.07	74.098		
5,500.00	5,375.54	5,351.47	5,351.35	28.07	23.04	90.85	-3,723.63	1,011.50	3,711.35	3,660.27	51.08	72.660		
5,582.90	5,456.32	5,446.03	5,445.91	28.50	23.45	91.18	-3,723.93	1,011.47	3,711.96	3,660.04	51.92	71.495		
5,600.00	5,473.00	5,465.99	5,465.87	28.59	23.53	91.25	-3,723.94	1,011.43	3,712.05	3,659.96	52.09	71.257		
5,700.00	5,570.93	5,556.20	5,556.07	29.10	23.91	91.55	-3,723.95	1,011.17	3,712.59	3,659.60	52.98	70.071		
5,800.00	5,669.52	5,658.60	5,658.47	29.57	24.35	91.83	-3,724.30	1,011.00	3,713.44	3,659.55	53.89	68.901		
5,900.00	5,768.62	5,764.16	5,764.04	30.03	24.79	92.05	-3,724.25	1,011.10	3,713.84	3,659.05	54.79	67.785		
6,000.00	5,868.13	5,856.07	5,855.94	30.45	25.17	92.19	-3,724.32	1,011.42	3,714.26	3,658.66	55.60	66.800		
6,100.00	5,967.93	5,961.47	5,961.35	30.86	25.62	92.30	-3,724.52	1,011.64	3,714.70	3,658.24	56.45	65.801		
6,200.00	6,067.88	6,057.40	6,057.28	31.24	26.02	92.35	-3,724.49	1,011.71	3,714.78	3,657.54	57.24	64.897		
6,232.12	6,100.00	6,084.63	6,084.51	31.36	26.13	-176.94	-3,724.54	1,011.76	3,714.85	3,657.37	57.47	64.636		
6,300.00	6,167.88	6,159.99	6,159.86	31.61	26.45	-176.94	-3,724.71	1,011.92	3,715.00	3,656.96	58.04	64.012		
6,400.00	6,267.88	6,269.97	6,269.84	31.97	26.91	-176.95	-3,724.59	1,012.14	3,714.87	3,656.01	58.86	63.115		
6,500.00	6,367.88	6,380.94	6,380.81	32.34	27.37	-176.95	-3,724.23	1,012.47	3,714.53	3,654.85	59.68	62.236		
6,600.00	6,467.88	6,473.13	6,473.00	32.70	27.75	-176.95	-3,723.81	1,012.57	3,714.08	3,653.64	60.43	61.456		
6,700.00	6,567.88	6,572.78	6,572.65	33.07	28.17	-176.96	-3,723.58	1,012.76	3,713.83	3,652.61	61.22	60.666		
6,736.50	6,604.38	6,614.56	6,614.43	33.21	28.34	-176.96	-3,723.44	1,012.75	3,713.71	3,652.19	61.53	60.360		
6,750.00	6,617.88	6,633.21	6,633.08	33.25	28.42	-89.87	-3,723.34	1,012.74	3,713.64	3,651.99	61.65	60.236		
6,800.00	6,667.77	6,702.13	6,702.00	33.43	28.70	-89.97	-3,722.77	1,012.74	3,713.23	3,651.12	62.11	59.784		
6,850.00	6,717.28	6,754.71	6,754.57	33.60	28.92	-90.13	-3,722.18	1,012.77	3,712.67	3,650.16	62.51	59.397		
6,900.00	6,766.09	6,807.01	6,806.87	33.79	29.14	-90.36	-3,721.55	1,012.83	3,712.09	3,649.19	62.91	59.008		
6,950.00	6,813.90	6,852.04	6,851.90	33.99	29.33	-90.61	-3,721.01	1,012.98	3,711.59	3,648.30	63.29	58.642		
7,000.00	6,860.42	6,903.75	6,896.10	34.20	29.54	-90.90	-3,720.51	1,013.27	3,711.23	3,647.51	63.72	58.246		
7,050.00	6,905.36	6,941.01	6,940.86	34.42	29.70	-91.22	-3,720.02	1,013.65	3,711.06	3,646.96	64.10	57.897		
7,062.81	6,916.59	6,952.19	6,952.03	34.49	29.74	-91.31	-3,719.90	1,013.75	3,711.05	3,646.84	64.21	57.798		
7,100.00	6,948.45	6,983.89	6,983.74	34.67	29.88	-91.55	-3,719.56	1,014.02	3,711.12	3,646.60	64.52	57.518		
7,150.00	6,989.41	7,024.63	7,024.47	34.94	30.05	-91.88	-3,719.11	1,014.36	3,711.50	3,646.54	64.96	57.137 ES		
7,200.00	7,028.00	7,062.97	7,062.80	35.24	30.21	-92.20	-3,718.69	1,014.68	3,712.26	3,646.85	65.41	56.754		
7,250.00	7,063.98	7,098.67	7,098.50	35.56	30.36	-92.47	-3,718.30	1,014.99	3,713.47	3,647.59	65.88	56.369		
7,300.00	7,097.13	7,131.51	7,131.34	35.92	30.50	-92.70	-3,717.94	1,015.26	3,715.20	3,648.84	66.37	55.980		
7,350.00	7,127.23	7,161.30	7,161.13	36.32	30.62	-92.86	-3,717.62	1,015.52	3,717.53	3,650.65	66.88	55.589		
7,400.00	7,154.12	7,187.85	7,187.68	36.75	30.73	-92.94	-3,717.33	1,015.74	3,720.51	3,653.10	67.41	55.195		
7,450.00	7,177.61	7,211.00	7,210.82	37.22	30.83	-92.92	-3,717.08	1,015.94	3,724.19	3,656.23	67.96	54.801		
7,500.00	7,197.57	7,230.59	7,230.41	37.73	30.91	-92.80	-3,716.86	1,016.10	3,728.61	3,660.08	68.53	54.407		
7,550.00	7,213.88	7,246.52	7,246.34	38.28	30.98	-92.56	-3,716.69	1,016.24	3,733.80	3,664.68	69.12	54.018		
7,600.00	7,226.42	7,258.68	7,258.50	38.87	31.03	-92.20	-3,716.56	1,016.34	3,739.77	3,670.05	69.73	53.636		
7,650.00	7,235.13	7,267.01	7,266.82	39.48	31.06	-91.72	-3,716.47	1,016.41	3,746.52	3,676.19	70.34	53.265		
7,700.00	7,239.95	7,271.43	7,271.25	40.12	31.08	-91.10	-3,716.42	1,016.45	3,754.03	3,683.08	70.95	52.911		
7,735.44	7,241.00	7,272.20	7,272.02	40.59	31.08	-90.59	-3,716.41	1,016.45	3,759.79	3,688.41	71.38	52.673		
7,800.00	7,241.11	7,271.80	7,271.61	41.47	31.08	-90.58	-3,716.41	1,016.45	3,771.15	3,698.96	72.19	52.240		
7,900.00	7,241.27	7,271.18	7,270.99	42.96	31.08	-90.57	-3,716.42	1,016.44	3,790.83	3,717.30	73.54	51.551		
8,000.00	7,241.44	7,270.55	7,270.37	44.59	31.08	-90.56	-3,716.43	1,016.44	3,813.04	3,738.07	74.98	50.855		
8,100.00	7,241.61	7,269.93	7,269.75	46.34	31.08	-90.55	-3,716.43	1,016.43	3,837.73	3,761.23	76.50	50.168		
8,200.00	7,241.77	7,269.31	7,269.12	48.20	31.07	-90.54	-3,716.44	1,016.43	3,864.85	3,786.77	78.08	49.501		
8,300.00	7,241.94	7,268.68	7,268.50	50.16	31.07	-90.53	-3,716.45	1,016.42	3,894.35	3,814.65	79.70	48.864		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-MWD															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
8,400.00	7,242.11	7,268.06	7,267.88	52.20	31.07	-90.52	-3,716.45	1,016.42	3,926.17	3,844.83	81.35	48.264			
8,500.00	7,242.27	7,267.44	7,267.26	54.31	31.06	-90.51	-3,716.46	1,016.41	3,960.27	3,877.25	83.01	47.706			
8,600.00	7,242.44	7,266.82	7,266.63	56.49	31.06	-90.51	-3,716.47	1,016.41	3,996.57	3,911.89	84.69	47.193			
8,700.00	7,242.60	7,266.19	7,266.01	58.73	31.06	-90.50	-3,716.47	1,016.40	4,035.03	3,948.68	86.35	46.727			
8,800.00	7,242.77	7,265.57	7,265.39	61.03	31.06	-90.49	-3,716.48	1,016.40	4,075.58	3,987.57	88.01	46.308			
8,900.00	7,242.94	7,264.95	7,264.77	63.37	31.05	-90.48	-3,716.49	1,016.39	4,118.16	4,028.51	89.65	45.937			
9,000.00	7,243.10	7,264.33	7,264.14	65.75	31.05	-90.47	-3,716.50	1,016.39	4,162.70	4,071.44	91.26	45.613			
9,100.00	7,243.27	7,263.70	7,263.52	68.18	31.05	-90.46	-3,716.50	1,016.38	4,209.15	4,116.31	92.85	45.335			
9,200.00	7,243.44	7,263.08	7,262.90	70.63	31.05	-90.45	-3,716.51	1,016.38	4,257.45	4,163.05	94.40	45.100			
9,300.00	7,243.60	7,262.46	7,262.28	73.12	31.04	-90.44	-3,716.52	1,016.37	4,307.52	4,211.60	95.92	44.909			
9,400.00	7,243.77	7,261.84	7,261.65	75.63	31.04	-90.43	-3,716.52	1,016.37	4,359.31	4,261.91	97.40	44.758			
9,500.00	7,243.94	7,261.21	7,261.03	78.17	31.04	-90.42	-3,716.53	1,016.36	4,412.76	4,313.92	98.84	44.646			
9,600.00	7,244.10	7,260.59	7,260.41	80.73	31.04	-90.41	-3,716.54	1,016.35	4,467.81	4,367.57	100.24	44.571			
9,700.00	7,244.27	7,259.97	7,259.79	83.31	31.03	-90.40	-3,716.54	1,016.35	4,524.40	4,422.80	101.60	44.532			
9,800.00	7,244.44	7,259.34	7,259.16	85.91	31.03	-90.39	-3,716.55	1,016.34	4,582.48	4,479.56	102.92	44.526 SF			
9,900.00	7,244.60	7,258.72	7,258.54	88.53	31.03	-90.38	-3,716.56	1,016.34	4,641.98	4,537.78	104.19	44.552			
10,000.00	7,244.77	7,258.10	7,257.92	91.16	31.03	-90.37	-3,716.56	1,016.33	4,702.85	4,597.42	105.43	44.607			
10,100.00	7,244.94	7,257.48	7,257.30	93.81	31.02	-90.36	-3,716.57	1,016.33	4,765.05	4,658.43	106.62	44.691			
10,200.00	7,245.10	7,256.85	7,256.67	96.46	31.02	-90.35	-3,716.58	1,016.32	4,828.51	4,720.74	107.77	44.802			
10,300.00	7,245.27	7,256.23	7,256.05	99.14	31.02	-90.34	-3,716.58	1,016.32	4,893.20	4,784.32	108.89	44.939			
10,400.00	7,245.43	7,255.61	7,255.43	101.82	31.02	-90.33	-3,716.59	1,016.31	4,959.06	4,849.10	109.96	45.099			
10,500.00	7,245.60	7,254.99	7,254.81	104.51	31.01	-90.32	-3,716.60	1,016.31	5,026.05	4,915.05	111.00	45.282			
10,600.00	7,245.77	7,254.36	7,254.18	107.21	31.01	-90.31	-3,716.60	1,016.30	5,094.12	4,982.12	111.99	45.486			
10,700.00	7,245.93	7,253.74	7,253.56	109.92	31.01	-90.30	-3,716.61	1,016.30	5,163.22	5,050.27	112.96	45.710			
10,800.00	7,246.10	7,253.12	7,252.94	112.64	31.00	-90.29	-3,716.62	1,016.29	5,233.33	5,119.45	113.88	45.954			
10,900.00	7,246.27	7,252.50	7,252.31	115.37	31.00	-90.28	-3,716.62	1,016.29	5,304.39	5,189.62	114.77	46.216			
11,000.00	7,246.43	7,251.87	7,251.69	118.10	31.00	-90.27	-3,716.63	1,016.28	5,376.38	5,260.75	115.63	46.494			
11,100.00	7,246.60	7,251.25	7,251.07	120.84	31.00	-90.26	-3,716.64	1,016.28	5,449.25	5,332.79	116.46	46.789			
11,200.00	7,246.77	7,250.63	7,250.45	123.58	30.99	-90.25	-3,716.64	1,016.27	5,522.97	5,405.71	117.26	47.100			
11,300.00	7,246.93	7,250.01	7,249.82	126.34	30.99	-90.25	-3,716.65	1,016.27	5,597.50	5,479.47	118.03	47.425			
11,340.34	7,247.00	7,249.75	7,249.57	127.45	30.99	-90.24	-3,716.65	1,016.26	5,627.79	5,509.46	118.33	47.560			
11,400.00	7,247.10	7,249.38	7,249.20	129.09	30.99	-90.23	-3,716.66	1,016.26	5,672.41	5,553.64	118.77	47.759			
11,500.00	7,247.27	7,248.72	7,248.54	131.84	30.99	-90.21	-3,716.67	1,016.25	5,745.96	5,626.45	119.51	48.081			
11,586.15	7,247.43	7,248.13	7,247.95	134.20	30.98	-90.20	-3,716.67	1,016.25	5,808.06	5,687.93	120.13	48.347			
11,600.00	7,247.45	7,248.03	7,247.85	134.57	30.98	-90.20	-3,716.67	1,016.25	5,817.96	5,697.73	120.23	48.390			
11,700.00	7,247.64	7,247.33	7,247.15	137.31	30.98	-90.19	-3,716.68	1,016.24	5,889.89	5,768.95	120.94	48.701			
11,800.00	7,247.82	7,246.63	7,246.45	140.05	30.98	-90.18	-3,716.69	1,016.24	5,962.63	5,841.01	121.62	49.027			
11,900.00	7,248.00	7,245.93	7,245.75	142.79	30.97	-90.17	-3,716.70	1,016.23	6,036.15	5,913.87	122.28	49.365			
12,000.00	7,248.18	7,245.23	7,245.05	145.53	30.97	-90.16	-3,716.70	1,016.22	6,110.42	5,987.51	122.91	49.715			
12,100.00	7,248.37	7,244.52	7,244.34	148.28	30.97	-90.15	-3,716.71	1,016.22	6,185.42	6,061.90	123.52	50.077			
12,200.00	7,248.55	7,243.82	7,243.64	151.04	30.97	-90.14	-3,716.72	1,016.21	6,261.11	6,137.01	124.11	50.450			
12,300.00	7,248.73	7,243.12	7,242.94	153.80	30.96	-90.13	-3,716.73	1,016.21	6,337.48	6,212.81	124.67	50.833			
12,400.00	7,248.91	7,242.42	7,242.24	156.56	30.96	-90.12	-3,716.73	1,016.20	6,414.50	6,289.28	125.22	51.227			
12,500.00	7,249.10	7,241.72	7,241.54	159.32	30.96	-90.11	-3,716.74	1,016.20	6,492.14	6,366.40	125.74	51.630			
12,600.00	7,249.28	7,241.02	7,240.84	162.09	30.95	-90.10	-3,716.75	1,016.19	6,570.39	6,444.14	126.25	52.042			
12,700.00	7,249.46	7,240.32	7,240.14	164.86	30.95	-90.09	-3,716.76	1,016.18	6,649.23	6,522.48	126.74	52.463			
12,800.00	7,249.64	7,239.62	7,239.44	167.63	30.95	-90.08	-3,716.76	1,016.18	6,728.62	6,601.41	127.21	52.892			
12,900.00	7,249.83	7,238.92	7,238.74	170.40	30.95	-90.07	-3,716.77	1,016.17	6,808.56	6,680.89	127.67	53.329			
13,000.00	7,250.01	7,238.22	7,238.04	173.18	30.94	-90.06	-3,716.78	1,016.17	6,889.02	6,760.91	128.11	53.774			
13,100.00	7,250.19	7,237.52	7,237.34	175.96	30.94	-90.05	-3,716.79	1,016.16	6,969.99	6,841.45	128.53	54.227			
13,200.00	7,250.37	7,236.82	7,236.64	178.74	30.94	-90.04	-3,716.80	1,016.15	7,051.45	6,922.50	128.94	54.686			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,300.00	7,250.56	7,236.11	7,235.94	181.52	30.93	-90.03	-3,716.80	1,016.15	7,133.37	7,004.03	129.34	55.152		
13,400.00	7,250.74	7,235.41	7,235.23	184.31	30.93	-90.02	-3,716.81	1,016.14	7,215.76	7,086.03	129.72	55.624		
13,500.00	7,250.92	7,234.71	7,234.53	187.09	30.93	-90.01	-3,716.82	1,016.14	7,298.58	7,168.49	130.09	56.103		
13,600.00	7,251.10	7,234.01	7,233.83	189.88	30.92	-90.00	-3,716.83	1,016.13	7,381.83	7,251.38	130.45	56.587		
13,700.00	7,251.29	7,233.31	7,233.13	192.67	30.92	-89.99	-3,716.83	1,016.12	7,465.49	7,334.69	130.80	57.077		
13,800.00	7,251.47	7,232.61	7,232.43	195.47	30.92	-89.98	-3,716.84	1,016.12	7,549.55	7,418.42	131.13	57.573		
13,900.00	7,251.65	7,231.91	7,231.73	198.26	30.92	-89.97	-3,716.85	1,016.11	7,633.99	7,502.54	131.45	58.074		
14,000.00	7,251.83	7,231.21	7,231.03	201.05	30.91	-89.96	-3,716.86	1,016.11	7,718.80	7,587.04	131.77	58.579		
14,100.00	7,252.01	7,230.51	7,230.33	203.85	30.91	-89.95	-3,716.86	1,016.10	7,803.98	7,671.91	132.07	59.090		
14,200.00	7,252.20	7,229.81	7,229.63	206.65	30.91	-89.94	-3,716.87	1,016.09	7,889.50	7,757.13	132.36	59.605		
14,300.00	7,252.38	7,229.11	7,228.93	209.45	30.90	-89.93	-3,716.88	1,016.09	7,975.35	7,842.71	132.65	60.124		
14,400.00	7,252.56	7,228.40	7,228.23	212.25	30.90	-89.92	-3,716.89	1,016.08	8,061.54	7,928.62	132.92	60.648		
14,500.00	7,252.74	7,227.70	7,227.53	215.05	30.90	-89.91	-3,716.89	1,016.08	8,148.04	8,014.85	133.19	61.176		
14,600.00	7,252.93	7,227.00	7,226.82	217.86	30.90	-89.90	-3,716.90	1,016.07	8,234.84	8,101.39	133.45	61.708		
14,700.00	7,253.11	7,226.30	7,226.12	220.66	30.89	-89.89	-3,716.91	1,016.06	8,321.94	8,188.24	133.70	62.243		
14,800.00	7,253.29	7,225.60	7,225.42	223.47	30.89	-89.88	-3,716.92	1,016.06	8,409.33	8,275.39	133.94	62.782		
14,900.00	7,253.47	7,224.90	7,224.72	226.27	30.89	-89.87	-3,716.93	1,016.05	8,497.00	8,362.82	134.18	63.325		
15,000.00	7,253.66	7,224.20	7,224.02	229.08	30.88	-89.86	-3,716.93	1,016.05	8,584.93	8,450.52	134.41	63.871		
15,100.00	7,253.84	7,223.50	7,223.32	231.89	30.88	-89.85	-3,716.94	1,016.04	8,673.13	8,538.50	134.63	64.420		
15,200.00	7,254.02	7,222.80	7,222.62	234.70	30.88	-89.84	-3,716.95	1,016.04	8,761.58	8,626.73	134.85	64.972		
15,300.00	7,254.20	7,222.10	7,221.92	237.51	30.88	-89.83	-3,716.96	1,016.03	8,850.28	8,715.22	135.06	65.527		
15,400.00	7,254.39	7,221.40	7,221.22	240.32	30.87	-89.82	-3,716.96	1,016.02	8,939.21	8,803.95	135.27	66.085		
15,500.00	7,254.57	7,220.70	7,220.52	243.13	30.87	-89.81	-3,716.97	1,016.02	9,028.38	8,892.91	135.47	66.646		
15,600.00	7,254.75	7,219.99	7,219.82	245.94	30.87	-89.80	-3,716.98	1,016.01	9,117.77	8,982.11	135.66	67.209		
15,700.00	7,254.93	7,219.29	7,219.12	248.76	30.86	-89.79	-3,716.99	1,016.01	9,207.38	9,071.53	135.85	67.775		
15,800.00	7,255.12	7,218.59	7,218.41	251.57	30.86	-89.78	-3,716.99	1,016.00	9,297.20	9,161.17	136.04	68.344		
15,900.00	7,255.30	7,217.89	7,217.71	254.39	30.86	-89.77	-3,717.00	1,015.99	9,387.23	9,251.01	136.22	68.915		
16,000.00	7,255.48	7,217.19	7,217.01	257.20	30.85	-89.76	-3,717.01	1,015.99	9,477.46	9,341.07	136.39	69.488		
16,100.00	7,255.66	7,216.49	7,216.31	260.02	30.85	-89.75	-3,717.02	1,015.98	9,567.88	9,431.32	136.56	70.063		
16,200.00	7,255.85	7,215.79	7,215.61	262.84	30.85	-89.74	-3,717.02	1,015.98	9,658.49	9,521.76	136.73	70.640		
16,300.00	7,256.03	7,215.09	7,214.91	265.65	30.85	-89.73	-3,717.03	1,015.97	9,749.28	9,612.39	136.89	71.220		
16,400.00	7,256.21	7,214.39	7,214.21	268.47	30.84	-89.72	-3,717.04	1,015.96	9,840.25	9,703.21	137.05	71.801		
16,500.00	7,256.39	7,213.69	7,213.51	271.29	30.84	-89.71	-3,717.05	1,015.96	9,931.40	9,794.20	137.20	72.384		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON #3(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	140.66	-1,201.10	984.51	1,553.45					
100.00	100.00	69.45	69.45	3.28	3.28	140.66	-1,201.04	984.39	1,552.92	1,546.35	6.57	236.432		
200.00	200.00	174.01	174.01	3.34	3.32	140.67	-1,200.75	983.87	1,552.39	1,545.73	6.66	233.084		
300.00	299.98	271.87	271.86	3.44	3.42	50.04	-1,200.40	983.35	1,550.65	1,543.79	6.86	226.103		
400.00	399.84	374.28	374.28	3.60	3.56	50.26	-1,200.08	982.87	1,546.76	1,539.60	7.16	215.984		
500.00	499.45	476.70	476.69	3.81	3.76	50.62	-1,199.57	982.22	1,540.41	1,532.85	7.56	203.820		
600.00	598.70	575.85	575.83	4.05	3.98	51.11	-1,198.99	981.56	1,531.81	1,523.78	8.03	190.841		
700.00	697.47	675.87	675.86	4.34	4.24	51.75	-1,198.44	980.82	1,521.09	1,512.53	8.57	177.565		
800.00	795.62	776.00	775.97	4.66	4.52	52.55	-1,197.90	979.87	1,508.23	1,499.06	9.17	164.526		
849.22	843.68	824.09	824.06	4.84	4.67	52.99	-1,197.62	979.35	1,501.14	1,491.66	9.48	158.343		
900.00	893.16	872.71	872.68	5.02	4.82	53.34	-1,197.35	978.85	1,493.65	1,483.84	9.81	152.259		
1,000.00	990.60	970.61	970.58	5.41	5.14	54.04	-1,196.82	977.86	1,479.07	1,468.57	10.50	140.929		
1,100.00	1,088.05	1,067.32	1,067.28	5.83	5.46	54.76	-1,196.35	976.73	1,464.68	1,453.47	11.21	130.641		
1,200.00	1,185.49	1,163.73	1,163.68	6.26	5.80	55.49	-1,195.88	975.71	1,450.60	1,438.64	11.96	121.329		
1,300.00	1,282.93	1,263.09	1,263.04	6.70	6.15	56.25	-1,195.26	974.83	1,436.74	1,424.01	12.73	112.823		
1,400.00	1,380.37	1,360.50	1,360.44	7.15	6.51	57.00	-1,194.55	973.84	1,422.98	1,409.45	13.53	105.195		
1,500.00	1,477.82	1,457.04	1,456.97	7.62	6.87	57.77	-1,193.95	972.83	1,409.55	1,395.22	14.33	98.337		
1,600.00	1,575.26	1,553.33	1,553.25	8.09	7.24	58.54	-1,193.28	971.99	1,396.41	1,381.25	15.15	92.143		
1,700.00	1,672.70	1,648.59	1,648.50	8.57	7.61	59.32	-1,192.69	971.24	1,383.65	1,367.66	15.98	86.561		
1,800.00	1,770.15	1,746.15	1,746.06	9.05	7.98	60.14	-1,192.35	970.26	1,371.28	1,354.45	16.83	81.460		
1,900.00	1,867.59	1,840.92	1,840.82	9.54	8.36	60.95	-1,191.90	969.34	1,359.12	1,341.44	17.68	76.860		
2,000.00	1,965.03	1,930.29	1,930.20	10.03	8.71	61.71	-1,191.75	968.96	1,347.76	1,329.24	18.52	72.769		
2,100.00	2,062.48	2,022.66	2,022.56	10.53	9.08	62.52	-1,192.06	968.61	1,337.16	1,317.79	19.38	69.012		
2,200.00	2,159.92	2,117.52	2,117.42	11.03	9.46	63.36	-1,192.69	968.22	1,327.14	1,306.89	20.25	65.554		
2,300.00	2,257.36	2,214.69	2,214.59	11.53	9.84	64.24	-1,193.35	967.99	1,317.52	1,296.40	21.13	62.357		
2,400.00	2,354.81	2,312.15	2,312.04	12.03	10.24	65.13	-1,194.08	967.61	1,308.23	1,286.21	22.02	59.413		
2,500.00	2,452.25	2,409.54	2,409.43	12.54	10.63	66.05	-1,194.87	967.09	1,299.28	1,276.36	22.92	56.697		
2,600.00	2,549.69	2,505.57	2,505.46	13.04	11.02	66.95	-1,195.64	966.74	1,290.72	1,266.91	23.81	54.204		
2,700.00	2,647.13	2,603.46	2,603.35	13.55	11.42	67.88	-1,196.40	966.49	1,282.54	1,257.82	24.72	51.883		
2,800.00	2,744.58	2,698.33	2,698.21	14.06	11.81	68.80	-1,197.23	966.24	1,274.78	1,249.16	25.62	49.757		
2,900.00	2,842.02	2,798.76	2,798.63	14.57	12.22	69.77	-1,198.05	966.05	1,267.37	1,240.83	26.54	47.744		
3,000.00	2,939.46	2,892.79	2,892.66	15.09	12.61	70.69	-1,198.78	965.99	1,260.33	1,232.88	27.45	45.914		
3,100.00	3,036.91	2,991.10	2,990.97	15.60	13.02	71.66	-1,199.66	965.97	1,253.76	1,225.39	28.37	44.188		
3,200.00	3,134.35	3,088.60	3,088.47	16.11	13.42	72.63	-1,200.50	965.86	1,247.51	1,218.21	29.30	42.581		
3,300.00	3,231.79	3,189.73	3,189.59	16.63	13.84	73.65	-1,201.28	965.59	1,241.52	1,211.28	30.24	41.058		
3,400.00	3,329.24	3,285.98	3,285.84	17.14	14.24	74.64	-1,201.88	965.33	1,235.77	1,204.61	31.16	39.655		
3,500.00	3,426.68	3,377.65	3,377.51	17.66	14.62	75.58	-1,202.69	965.16	1,230.69	1,198.61	32.07	38.372		
3,600.00	3,524.12	3,462.24	3,462.09	18.18	14.97	76.46	-1,204.01	965.15	1,226.69	1,193.74	32.95	37.224		
3,700.00	3,621.57	3,548.94	3,548.75	18.69	15.34	77.35	-1,206.30	965.47	1,224.18	1,190.34	33.84	36.173		
3,800.00	3,719.01	3,642.38	3,642.14	19.21	15.73	78.31	-1,209.26	966.15	1,222.65	1,187.89	34.76	35.175		
3,900.00	3,816.45	3,740.68	3,740.39	19.73	16.14	79.31	-1,212.44	966.97	1,221.59	1,185.89	35.70	34.218		
4,000.00	3,913.90	3,841.31	3,840.97	20.25	16.56	80.35	-1,215.56	967.74	1,220.78	1,184.13	36.65	33.307		
4,100.00	4,011.34	3,941.54	3,941.15	20.77	16.99	81.38	-1,218.37	968.32	1,220.06	1,182.46	37.60	32.444		
4,200.00	4,108.78	4,040.10	4,039.68	21.29	17.40	82.41	-1,221.09	968.73	1,219.68	1,181.13	38.55	31.639		
4,300.00	4,206.22	4,140.83	4,140.38	21.81	17.82	83.46	-1,223.66	969.16	1,219.49	1,179.98	39.51	30.868		
4,369.22	4,273.67	4,210.39	4,209.92	22.17	18.12	84.19	-1,225.29	969.37	1,219.45	1,179.28	40.17	30.359 CC		
4,400.00	4,303.67	4,240.90	4,240.42	22.33	18.24	84.51	-1,225.97	969.46	1,219.46	1,179.00	40.46	30.140		
4,500.00	4,401.11	4,340.93	4,340.42	22.85	18.67	85.55	-1,228.10	969.79	1,219.66	1,178.25	41.41	29.450		
4,600.00	4,498.55	4,440.94	4,440.42	23.37	19.09	86.60	-1,229.99	969.95	1,220.04	1,177.67	42.37	28.796		
4,700.00	4,596.00	4,538.56	4,538.03	23.89	19.50	87.64	-1,231.73	969.79	1,220.70	1,177.39	43.31	28.184		
4,800.00	4,693.44	4,635.75	4,635.19	24.41	19.91	88.68	-1,233.53	969.51	1,221.86	1,177.60	44.25	27.611		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - OTTOSON #3(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
4,900.00	4,790.88	4,736.10	4,735.53	24.93	20.33	89.74	-1,235.26	969.31	1,223.30	1,178.09	45.21	27.060		
5,000.00	4,888.33	4,837.03	4,836.44	25.46	20.76	90.80	-1,236.70	969.41	1,224.87	1,178.71	46.17	26.532		
5,100.00	4,985.77	4,938.38	4,937.79	25.98	21.19	91.84	-1,237.91	969.90	1,226.61	1,179.48	47.12	26.030		
5,200.00	5,083.21	5,038.52	5,037.93	26.50	21.61	92.87	-1,238.71	970.20	1,228.36	1,180.28	48.08	25.550		
5,300.00	5,180.66	5,136.58	5,135.99	27.02	22.02	93.90	-1,239.50	970.13	1,230.55	1,181.53	49.02	25.104		
5,400.00	5,278.10	5,238.89	5,238.29	27.55	22.46	94.97	-1,239.98	970.10	1,232.81	1,182.83	49.98	24.667		
5,500.00	5,375.54	5,336.84	5,336.24	28.07	22.87	95.99	-1,240.21	969.97	1,235.27	1,184.35	50.92	24.260		
5,582.90	5,456.32	5,417.47	5,416.87	28.50	23.21	96.84	-1,240.42	969.61	1,237.67	1,185.98	51.69	23.943		
5,600.00	5,473.00	5,435.29	5,434.69	28.59	23.29	97.03	-1,240.45	969.49	1,238.18	1,186.33	51.86	23.877		
5,700.00	5,570.93	5,539.16	5,538.56	29.10	23.73	98.09	-1,240.24	968.61	1,240.82	1,188.02	52.80	23.500		
5,800.00	5,669.52	5,642.24	5,641.63	29.57	24.16	98.96	-1,239.60	967.72	1,242.85	1,189.14	53.71	23.139		
5,900.00	5,768.62	5,743.41	5,742.79	30.03	24.59	99.65	-1,238.63	966.79	1,244.24	1,189.65	54.59	22.793		
6,000.00	5,868.13	5,843.12	5,842.50	30.45	25.01	100.15	-1,237.67	966.08	1,245.12	1,189.68	55.44	22.460		
6,100.00	5,967.93	5,942.50	5,941.87	30.86	25.43	100.48	-1,236.70	965.46	1,245.41	1,189.15	56.26	22.137		
6,200.00	6,067.88	6,049.36	6,048.72	31.24	25.89	100.65	-1,235.61	964.77	1,245.08	1,187.98	57.10	21.806		
6,232.12	6,100.00	6,087.91	6,087.26	31.36	26.05	-168.62	-1,234.92	964.52	1,244.59	1,187.22	57.38	21.691		
6,300.00	6,167.88	6,158.79	6,158.12	31.61	26.35	-168.59	-1,233.34	964.02	1,243.20	1,185.28	57.92	21.463		
6,400.00	6,267.88	6,268.13	6,267.42	31.97	26.81	-168.52	-1,230.50	963.06	1,240.84	1,182.10	58.74	21.123		
6,500.00	6,367.88	6,373.46	6,372.69	32.34	27.26	-168.46	-1,226.97	962.49	1,237.65	1,178.11	59.55	20.784		
6,600.00	6,467.88	6,463.63	6,462.82	32.70	27.64	-168.45	-1,224.24	962.83	1,234.63	1,174.33	60.30	20.474		
6,700.00	6,567.88	6,548.13	6,547.30	33.07	28.00	-168.46	-1,222.72	963.46	1,232.72	1,171.70	61.03	20.199		
6,736.50	6,604.38	6,578.55	6,577.72	33.21	28.13	-168.47	-1,222.46	963.72	1,232.36	1,171.07	61.29	20.107		
6,750.00	6,617.88	6,589.80	6,588.96	33.25	28.17	-81.40	-1,222.40	963.81	1,232.25	1,170.86	61.38	20.074		
6,800.00	6,667.77	6,632.92	6,632.08	33.43	28.36	-81.58	-1,222.35	964.14	1,231.66	1,169.92	61.74	19.950		
6,850.00	6,717.28	6,676.21	6,675.38	33.60	28.54	-81.95	-1,222.48	964.33	1,230.77	1,168.67	62.09	19.821		
6,900.00	6,766.09	6,721.09	6,720.25	33.79	28.73	-82.50	-1,222.81	964.37	1,229.63	1,167.16	62.47	19.684		
6,950.00	6,813.90	6,767.73	6,766.89	33.99	28.93	-83.27	-1,223.21	964.34	1,228.18	1,165.32	62.87	19.536		
7,000.00	6,860.42	6,812.52	6,811.69	34.20	29.12	-84.17	-1,223.62	964.25	1,226.54	1,163.28	63.27	19.386		
7,050.00	6,905.36	6,854.35	6,853.51	34.42	29.30	-85.16	-1,224.09	964.11	1,224.93	1,161.26	63.67	19.238		
7,100.00	6,948.45	6,894.52	6,893.67	34.67	29.47	-86.23	-1,224.64	963.93	1,223.56	1,159.47	64.09	19.091		
7,150.00	6,989.41	6,935.62	6,934.77	34.94	29.64	-87.42	-1,225.26	963.71	1,222.57	1,158.03	64.54	18.944		
7,200.00	7,028.00	6,974.83	6,973.98	35.24	29.81	-88.62	-1,225.83	963.49	1,222.13	1,157.13	65.00	18.802		
7,205.41	7,032.02	6,978.92	6,978.07	35.27	29.83	-88.75	-1,225.89	963.46	1,222.12	1,157.07	65.05	18.787		
7,250.00	7,063.98	7,011.19	7,010.33	35.56	29.96	-89.76	-1,226.35	963.27	1,222.48	1,157.00	65.47	18.671 ES		
7,300.00	7,097.13	7,044.18	7,043.31	35.92	30.10	-90.79	-1,226.82	963.08	1,223.87	1,157.91	65.96	18.555		
7,350.00	7,127.23	7,074.13	7,073.26	36.32	30.23	-91.66	-1,227.26	962.93	1,226.53	1,160.08	66.45	18.457		
7,400.00	7,154.12	7,100.88	7,100.01	36.75	30.35	-92.34	-1,227.66	962.81	1,230.67	1,163.71	66.96	18.379		
7,450.00	7,177.61	7,124.52	7,123.65	37.22	30.45	-92.79	-1,228.01	962.70	1,236.46	1,168.98	67.48	18.324		
7,500.00	7,197.57	7,144.64	7,143.77	37.73	30.53	-92.96	-1,228.31	962.61	1,244.03	1,176.04	67.99	18.297 SF		
7,550.00	7,213.88	7,161.11	7,160.24	38.28	30.60	-92.82	-1,228.56	962.54	1,253.48	1,184.98	68.50	18.299		
7,600.00	7,226.42	7,173.83	7,172.95	38.87	30.66	-92.34	-1,228.75	962.48	1,264.85	1,195.85	68.99	18.333		
7,650.00	7,235.13	7,182.72	7,181.84	39.48	30.69	-91.51	-1,228.88	962.44	1,278.13	1,208.66	69.47	18.399		
7,700.00	7,239.95	7,187.72	7,186.84	40.12	30.71	-90.31	-1,228.96	962.42	1,293.27	1,223.36	69.91	18.499		
7,735.44	7,241.00	7,188.90	7,188.02	40.59	30.72	-89.24	-1,228.98	962.41	1,305.07	1,234.86	70.20	18.590		
7,800.00	7,241.11	7,189.25	7,188.37	41.47	30.72	-89.26	-1,228.98	962.41	1,328.70	1,257.98	70.72	18.789		
7,900.00	7,241.27	7,189.78	7,188.90	42.96	30.72	-89.28	-1,228.99	962.41	1,370.52	1,299.02	71.50	19.168		
8,000.00	7,241.44	7,190.32	7,189.44	44.59	30.73	-89.31	-1,229.00	962.41	1,418.18	1,345.93	72.24	19.630		
8,100.00	7,241.61	7,190.86	7,189.98	46.34	30.73	-89.33	-1,229.01	962.40	1,471.09	1,398.15	72.94	20.170		
8,200.00	7,241.77	7,191.40	7,190.51	48.20	30.73	-89.36	-1,229.02	962.40	1,528.72	1,455.15	73.57	20.780		
8,300.00	7,241.94	7,191.93	7,191.05	50.16	30.73	-89.38	-1,229.02	962.40	1,590.56	1,516.42	74.14	21.454		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - OTTOSON #3(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
8,400.00	7,242.11	7,192.47	7,191.59	52.20	30.73	-89.41	-1,229.03	962.40	1,656.13	1,581.48	74.65	22.185					
8,500.00	7,242.27	7,193.01	7,192.13	54.31	30.74	-89.43	-1,229.04	962.39	1,725.00	1,649.90	75.11	22.968					
8,600.00	7,242.44	7,193.55	7,192.66	56.49	30.74	-89.46	-1,229.05	962.39	1,796.81	1,721.30	75.51	23.796					
8,700.00	7,242.60	7,194.08	7,193.20	58.73	30.74	-89.48	-1,229.06	962.39	1,871.20	1,795.34	75.86	24.665					
8,800.00	7,242.77	7,194.62	7,193.74	61.03	30.74	-89.51	-1,229.06	962.39	1,947.89	1,871.71	76.18	25.570					
8,900.00	7,242.94	7,195.16	7,194.27	63.37	30.75	-89.53	-1,229.07	962.38	2,026.61	1,950.16	76.46	26.507					
9,000.00	7,243.10	7,195.69	7,194.81	65.75	30.75	-89.56	-1,229.08	962.38	2,107.14	2,030.44	76.70	27.472					
9,100.00	7,243.27	7,196.23	7,195.35	68.18	30.75	-89.58	-1,229.09	962.38	2,189.27	2,112.35	76.92	28.462					
9,200.00	7,243.44	7,196.77	7,195.89	70.63	30.75	-89.61	-1,229.10	962.38	2,272.84	2,195.73	77.11	29.475					
9,300.00	7,243.60	7,197.31	7,196.42	73.12	30.76	-89.63	-1,229.10	962.38	2,357.68	2,280.40	77.28	30.507					
9,400.00	7,243.77	7,197.84	7,196.96	75.63	30.76	-89.66	-1,229.11	962.37	2,443.67	2,366.24	77.44	31.558					
9,500.00	7,243.94	7,198.38	7,197.50	78.17	30.76	-89.68	-1,229.12	962.37	2,530.70	2,453.12	77.57	32.624					
9,600.00	7,244.10	7,198.92	7,198.03	80.73	30.76	-89.71	-1,229.13	962.37	2,618.64	2,540.95	77.70	33.704					
9,700.00	7,244.27	7,199.46	7,198.57	83.31	30.76	-89.73	-1,229.14	962.37	2,707.43	2,629.62	77.81	34.797					
9,800.00	7,244.44	7,199.99	7,199.11	85.91	30.77	-89.76	-1,229.14	962.36	2,796.97	2,719.06	77.91	35.901					
9,900.00	7,244.60	7,200.53	7,199.65	88.53	30.77	-89.78	-1,229.15	962.36	2,887.20	2,809.20	78.00	37.016					
10,000.00	7,244.77	7,201.07	7,200.18	91.16	30.77	-89.81	-1,229.16	962.36	2,978.05	2,899.97	78.08	38.140					
10,100.00	7,244.94	7,201.60	7,200.72	93.81	30.77	-89.83	-1,229.17	962.36	3,069.47	2,991.31	78.16	39.272					
10,200.00	7,245.10	7,202.14	7,201.26	96.46	30.78	-89.86	-1,229.18	962.35	3,161.41	3,083.18	78.23	40.411					
10,300.00	7,245.27	7,202.68	7,201.80	99.14	30.78	-89.89	-1,229.18	962.35	3,253.83	3,175.53	78.30	41.557					
10,400.00	7,245.43	7,203.22	7,202.33	101.82	30.78	-89.91	-1,229.19	962.35	3,346.68	3,268.32	78.36	42.709					
10,500.00	7,245.60	7,203.75	7,202.87	104.51	30.78	-89.94	-1,229.20	962.35	3,439.93	3,361.52	78.42	43.866					
10,600.00	7,245.77	7,204.29	7,203.41	107.21	30.79	-89.96	-1,229.21	962.34	3,533.56	3,455.08	78.47	45.028					
10,700.00	7,245.93	7,204.83	7,203.94	109.92	30.79	-89.99	-1,229.22	962.34	3,627.52	3,548.99	78.53	46.195					
10,800.00	7,246.10	7,205.37	7,204.48	112.64	30.79	-90.01	-1,229.22	962.34	3,721.79	3,643.22	78.58	47.365					
10,900.00	7,246.27	7,205.90	7,205.02	115.37	30.79	-90.04	-1,229.23	962.34	3,816.36	3,737.74	78.62	48.539					
11,000.00	7,246.43	7,206.44	7,205.56	118.10	30.79	-90.06	-1,229.24	962.33	3,911.20	3,832.53	78.67	49.716					
11,100.00	7,246.60	7,206.98	7,206.09	120.84	30.80	-90.09	-1,229.25	962.33	4,006.29	3,927.57	78.71	50.896					
11,200.00	7,246.77	7,207.52	7,206.63	123.58	30.80	-90.11	-1,229.26	962.33	4,101.61	4,022.85	78.76	52.078					
11,300.00	7,246.93	7,208.05	7,207.17	126.34	30.80	-90.14	-1,229.27	962.33	4,197.15	4,118.35	78.80	53.263					
11,340.34	7,247.00	7,208.27	7,207.39	127.45	30.80	-90.15	-1,229.27	962.33	4,235.75	4,156.93	78.82	53.741					
11,400.00	7,247.10	7,208.60	7,207.72	129.09	30.80	-90.16	-1,229.27	962.32	4,292.71	4,213.87	78.84	54.447					
11,500.00	7,247.27	7,209.20	7,208.32	131.84	30.81	-90.17	-1,229.28	962.32	4,387.51	4,308.63	78.88	55.623					
11,586.15	7,247.43	7,209.77	7,208.89	134.20	30.81	-90.18	-1,229.29	962.32	4,468.45	4,389.54	78.91	56.627					
11,600.00	7,247.45	7,209.86	7,208.98	134.57	30.81	-90.19	-1,229.29	962.32	4,481.41	4,402.50	78.91	56.788					
11,700.00	7,247.64	7,210.55	7,209.66	137.31	30.81	-90.21	-1,229.30	962.32	4,575.14	4,496.19	78.95	57.950					
11,800.00	7,247.82	7,211.23	7,210.35	140.05	30.81	-90.24	-1,229.31	962.31	4,669.12	4,590.14	78.98	59.114					
11,900.00	7,248.00	7,211.91	7,211.03	142.79	30.82	-90.26	-1,229.32	962.31	4,763.35	4,684.33	79.02	60.281					
12,000.00	7,248.18	7,212.59	7,211.71	145.53	30.82	-90.29	-1,229.33	962.31	4,857.81	4,778.76	79.05	61.450					
12,100.00	7,248.37	7,213.28	7,212.39	148.28	30.82	-90.31	-1,229.34	962.30	4,952.49	4,873.40	79.09	62.621					
12,200.00	7,248.55	7,213.96	7,213.07	151.04	30.83	-90.34	-1,229.35	962.30	5,047.37	4,968.25	79.12	63.793					
12,300.00	7,248.73	7,214.64	7,213.76	153.80	30.83	-90.36	-1,229.36	962.30	5,142.45	5,063.29	79.16	64.966					
12,400.00	7,248.91	7,215.33	7,214.44	156.56	30.83	-90.39	-1,229.37	962.29	5,237.71	5,158.52	79.19	66.141					
12,500.00	7,249.10	7,216.01	7,215.12	159.32	30.84	-90.41	-1,229.38	962.29	5,333.14	5,253.92	79.22	67.317					
12,600.00	7,249.28	7,216.69	7,215.81	162.09	30.84	-90.44	-1,229.40	962.29	5,428.74	5,349.48	79.26	68.494					
12,700.00	7,249.46	7,217.37	7,216.49	164.86	30.84	-90.46	-1,229.41	962.29	5,524.49	5,445.20	79.29	69.671					
12,800.00	7,249.64	7,218.06	7,217.17	167.63	30.84	-90.49	-1,229.42	962.28	5,620.39	5,541.06	79.33	70.849					
12,900.00	7,249.83	7,218.74	7,217.85	170.40	30.85	-90.51	-1,229.43	962.28	5,716.43	5,637.07	79.36	72.027					
13,000.00	7,250.01	7,219.42	7,218.54	173.18	30.85	-90.53	-1,229.44	962.28	5,812.61	5,733.21	79.40	73.206					
13,100.00	7,250.19	7,220.10	7,219.22	175.96	30.85	-90.56	-1,229.45	962.27	5,908.91	5,829.47	79.44	74.384					
13,200.00	7,250.37	7,220.79	7,219.90	178.74	30.86	-90.58	-1,229.46	962.27	6,005.33	5,925.86	79.48	75.562					

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - OTTOSON #3(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,300.00	7,250.56	7,221.47	7,220.58	181.52	30.86	-90.61	-1,229.47	962.27	6,101.87	6,022.36	79.51	76.741		
13,400.00	7,250.74	7,222.15	7,221.27	184.31	30.86	-90.63	-1,229.48	962.26	6,198.52	6,118.97	79.55	77.919		
13,500.00	7,250.92	7,222.83	7,221.95	187.09	30.86	-90.66	-1,229.49	962.26	6,295.27	6,215.68	79.59	79.096		
13,600.00	7,251.10	7,223.52	7,222.63	189.88	30.87	-90.68	-1,229.50	962.26	6,392.12	6,312.49	79.63	80.273		
13,700.00	7,251.29	7,224.20	7,223.31	192.67	30.87	-90.71	-1,229.51	962.25	6,489.07	6,409.40	79.67	81.449		
13,800.00	7,251.47	7,224.88	7,224.00	195.47	30.87	-90.73	-1,229.52	962.25	6,586.11	6,506.40	79.71	82.625		
13,900.00	7,251.65	7,225.57	7,224.68	198.26	30.88	-90.76	-1,229.53	962.25	6,683.24	6,603.48	79.75	83.800		
14,000.00	7,251.83	7,226.25	7,225.36	201.05	30.88	-90.78	-1,229.54	962.25	6,780.44	6,700.65	79.79	84.974		
14,100.00	7,252.01	7,226.93	7,226.05	203.85	30.88	-90.81	-1,229.55	962.24	6,877.73	6,797.90	79.84	86.147		
14,200.00	7,252.20	7,227.61	7,226.73	206.65	30.88	-90.83	-1,229.56	962.24	6,975.10	6,895.22	79.88	87.319		
14,300.00	7,252.38	7,228.30	7,227.41	209.45	30.89	-90.86	-1,229.57	962.24	7,072.54	6,992.61	79.93	88.490		
14,400.00	7,252.56	7,228.98	7,228.09	212.25	30.89	-90.88	-1,229.58	962.23	7,170.05	7,090.08	79.97	89.659		
14,500.00	7,252.74	7,229.66	7,228.78	215.05	30.89	-90.91	-1,229.59	962.23	7,267.63	7,187.61	80.02	90.827		
14,600.00	7,252.93	7,230.35	7,229.46	217.86	30.90	-90.93	-1,229.60	962.23	7,365.27	7,285.21	80.06	91.994		
14,700.00	7,253.11	7,231.03	7,230.14	220.66	30.90	-90.96	-1,229.61	962.22	7,462.97	7,382.86	80.11	93.160		
14,800.00	7,253.29	7,231.71	7,230.83	223.47	30.90	-90.98	-1,229.62	962.22	7,560.74	7,480.58	80.16	94.324		
14,900.00	7,253.47	7,232.40	7,231.51	226.27	30.90	-91.01	-1,229.63	962.22	7,658.56	7,578.36	80.21	95.486		
15,000.00	7,253.66	7,233.08	7,232.19	229.08	30.91	-91.03	-1,229.64	962.22	7,756.44	7,676.18	80.26	96.647		
15,100.00	7,253.84	7,233.76	7,232.87	231.89	30.91	-91.05	-1,229.65	962.21	7,854.37	7,774.07	80.31	97.806		
15,200.00	7,254.02	7,234.44	7,233.56	234.70	30.91	-91.08	-1,229.66	962.21	7,952.35	7,872.00	80.36	98.964		
15,300.00	7,254.20	7,235.13	7,234.24	237.51	30.92	-91.10	-1,229.67	962.21	8,050.39	7,969.98	80.41	100.120		
15,400.00	7,254.39	7,235.81	7,234.92	240.32	30.92	-91.13	-1,229.68	962.20	8,148.47	8,068.01	80.46	101.274		
15,500.00	7,254.57	7,236.49	7,235.61	243.13	30.92	-91.15	-1,229.69	962.20	8,246.59	8,166.08	80.51	102.426		
15,600.00	7,254.75	7,237.18	7,236.29	245.94	30.93	-91.18	-1,229.70	962.20	8,344.76	8,264.20	80.57	103.576		
15,700.00	7,254.93	7,237.86	7,236.97	248.76	30.93	-91.20	-1,229.71	962.19	8,442.98	8,362.35	80.62	104.724		
15,800.00	7,255.12	7,238.54	7,237.65	251.57	30.93	-91.23	-1,229.72	962.19	8,541.23	8,460.55	80.68	105.870		
15,900.00	7,255.30	7,239.23	7,238.34	254.39	30.93	-91.25	-1,229.73	962.19	8,639.53	8,558.79	80.73	107.014		
16,000.00	7,255.48	7,239.91	7,239.02	257.20	30.94	-91.28	-1,229.74	962.18	8,737.86	8,657.07	80.79	108.156		
16,100.00	7,255.66	7,240.59	7,239.70	260.02	30.94	-91.30	-1,229.75	962.18	8,836.23	8,755.38	80.85	109.296		
16,200.00	7,255.85	7,241.27	7,240.39	262.84	30.94	-91.33	-1,229.76	962.18	8,934.64	8,853.73	80.91	110.434		
16,300.00	7,256.03	7,241.96	7,241.07	265.65	30.95	-91.35	-1,229.77	962.18	9,033.08	8,952.11	80.96	111.569		
16,400.00	7,256.21	7,242.64	7,241.75	268.47	30.95	-91.38	-1,229.79	962.17	9,131.55	9,050.53	81.02	112.702		
16,500.00	7,256.39	7,243.32	7,242.44	271.29	30.95	-91.40	-1,229.80	962.17	9,230.06	9,148.98	81.08	113.833		
16,600.00	7,256.58	7,244.01	7,243.12	274.11	30.95	-91.43	-1,229.81	962.17	9,328.60	9,247.46	81.15	114.962		
16,700.00	7,256.76	7,244.69	7,243.80	276.93	30.96	-91.45	-1,229.82	962.16	9,427.17	9,345.97	81.21	116.088		
16,800.00	7,256.94	7,245.37	7,244.49	279.75	30.96	-91.48	-1,229.83	962.16	9,525.77	9,444.50	81.27	117.211		
16,900.00	7,257.12	7,246.06	7,245.17	282.57	30.96	-91.50	-1,229.84	962.16	9,624.40	9,543.07	81.33	118.333		
17,000.00	7,257.30	7,246.74	7,245.85	285.40	30.97	-91.53	-1,229.85	962.15	9,723.06	9,641.66	81.40	119.452		
17,100.00	7,257.49	7,247.42	7,246.53	288.22	30.97	-91.55	-1,229.86	962.15	9,821.75	9,740.28	81.46	120.568		
17,200.00	7,257.67	7,248.11	7,247.22	291.04	30.97	-91.57	-1,229.87	962.15	9,920.46	9,838.93	81.53	121.682		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON I #12-12(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	82.55	122.42	936.07	944.77					
100.00	100.00	65.40	65.40	3.28	3.28	82.54	122.48	935.98	943.96	937.39	6.57	143.727		
200.00	200.00	168.05	168.05	3.34	3.32	82.52	122.75	935.51	943.55	936.89	6.66	141.756		
300.00	299.98	267.12	267.11	3.44	3.41	-8.22	122.95	934.95	941.28	934.43	6.85	137.359		
400.00	399.84	363.07	363.07	3.60	3.54	-8.29	123.03	934.69	935.84	928.70	7.14	131.003		
500.00	499.45	456.82	456.82	3.81	3.71	-8.39	123.06	934.93	927.48	919.97	7.52	123.373		
600.00	598.70	547.72	547.71	4.05	3.91	-8.50	122.87	935.89	916.44	908.48	7.96	115.119		
700.00	697.47	639.25	639.22	4.34	4.14	-8.64	122.54	937.81	902.97	894.50	8.47	106.608		
800.00	795.62	734.68	734.61	4.66	4.41	-8.82	122.08	940.33	886.62	877.57	9.04	98.023		
849.22	843.68	782.09	782.00	4.84	4.55	-8.92	121.77	941.70	877.42	868.07	9.35	93.839		
900.00	893.16	830.95	830.84	5.02	4.70	-9.00	121.41	943.16	867.57	857.90	9.67	89.710		
1,000.00	990.60	928.94	928.78	5.41	5.01	-9.15	120.70	946.23	848.30	837.97	10.33	82.108		
1,100.00	1,088.05	1,029.17	1,028.96	5.83	5.35	-9.31	119.69	949.13	828.76	817.73	11.03	75.120		
1,200.00	1,185.49	1,125.33	1,125.07	6.26	5.68	-9.45	118.60	952.01	809.32	797.57	11.75	68.881		
1,300.00	1,282.93	1,223.45	1,223.14	6.70	6.03	-9.62	117.71	955.06	790.02	777.52	12.49	63.228		
1,400.00	1,380.37	1,324.30	1,323.94	7.15	6.40	-9.80	116.69	957.95	770.48	757.21	13.27	58.077		
1,500.00	1,477.82	1,422.92	1,422.52	7.62	6.77	-10.01	115.99	960.51	750.73	736.68	14.05	53.442		
1,600.00	1,575.26	1,520.81	1,520.39	8.09	7.14	-10.24	115.43	963.07	731.03	716.19	14.84	49.262		
1,700.00	1,672.70	1,623.72	1,623.27	8.57	7.53	-10.50	114.89	965.43	711.04	695.38	15.66	45.418		
1,800.00	1,770.15	1,729.76	1,729.30	9.05	7.94	-10.80	114.25	966.70	689.99	673.50	16.49	41.855		
1,900.00	1,867.59	1,830.46	1,829.99	9.54	8.33	-11.09	113.43	967.12	668.17	650.86	17.31	38.604		
2,000.00	1,965.03	1,928.05	1,927.58	10.03	8.71	-11.39	112.53	967.33	646.16	628.02	18.13	35.635		
2,100.00	2,062.48	2,025.28	2,024.80	10.53	9.10	-11.74	111.93	967.60	624.27	605.31	18.96	32.921		
2,200.00	2,159.92	2,124.72	2,124.24	11.03	9.49	-12.11	111.18	967.62	602.15	582.35	19.80	30.409		
2,300.00	2,257.36	2,221.22	2,220.73	11.53	9.88	-12.50	110.49	967.62	580.04	559.40	20.64	28.100		
2,400.00	2,354.81	2,317.89	2,317.40	12.03	10.27	-12.93	109.88	967.74	558.09	536.60	21.49	25.972		
2,500.00	2,452.25	2,414.06	2,413.58	12.54	10.66	-13.43	109.69	967.98	536.38	514.04	22.34	24.009		
2,600.00	2,549.69	2,511.34	2,510.86	13.04	11.05	-14.01	109.78	968.31	514.86	491.66	23.20	22.193		
2,700.00	2,647.13	2,610.06	2,609.57	13.55	11.45	-14.66	109.85	968.54	493.29	469.23	24.06	20.501		
2,800.00	2,744.58	2,709.29	2,708.81	14.06	11.86	-15.34	109.72	968.50	471.48	446.56	24.93	18.915		
2,900.00	2,842.02	2,808.26	2,807.78	14.57	12.27	-16.09	109.45	968.12	449.39	423.60	25.79	17.424		
3,000.00	2,939.46	2,906.64	2,906.15	15.09	12.67	-16.85	108.68	967.59	427.08	400.42	26.66	16.020		
3,100.00	3,036.91	3,004.67	3,004.17	15.60	13.08	-17.61	107.32	967.01	404.64	377.11	27.53	14.697		
3,200.00	3,134.35	3,099.43	3,098.92	16.11	13.47	-18.48	106.39	966.58	382.52	354.10	28.42	13.459		
3,300.00	3,231.79	3,196.79	3,196.28	16.63	13.87	-19.53	105.80	966.35	360.82	331.51	29.31	12.311		
3,400.00	3,329.24	3,292.37	3,291.86	17.14	14.27	-20.66	105.14	966.42	339.50	309.29	30.21	11.237		
3,500.00	3,426.68	3,387.81	3,387.30	17.66	14.67	-21.91	104.58	967.06	318.91	287.79	31.12	10.246		
3,600.00	3,524.12	3,482.53	3,482.00	18.18	15.06	-23.27	104.08	968.48	299.28	267.23	32.05	9.338		
3,700.00	3,621.57	3,581.35	3,580.79	18.69	15.48	-24.76	103.21	970.63	280.30	247.34	32.96	8.503		
3,800.00	3,719.01	3,682.57	3,681.98	19.21	15.90	-26.38	101.37	972.27	260.66	226.79	33.86	7.697		
3,900.00	3,816.45	3,779.57	3,778.97	19.73	16.31	-28.37	100.00	972.90	240.55	205.74	34.81	6.911		
4,000.00	3,913.90	3,877.52	3,876.91	20.25	16.72	-30.93	99.41	973.40	221.07	185.30	35.77	6.180		
4,100.00	4,011.34	3,974.24	3,973.64	20.77	17.12	-34.12	99.36	973.53	202.06	165.29	36.77	5.495		
4,200.00	4,108.78	4,072.36	4,071.76	21.29	17.53	-38.01	99.43	973.84	184.03	146.24	37.79	4.870		
4,300.00	4,206.22	4,170.43	4,169.82	21.81	17.95	-42.69	99.17	973.78	166.49	127.65	38.84	4.287		
4,400.00	4,303.67	4,268.65	4,268.04	22.33	18.36	-48.44	98.68	973.44	149.94	110.01	39.93	3.755		
4,500.00	4,401.11	4,366.43	4,365.82	22.85	18.77	-55.44	97.74	972.82	134.69	93.62	41.07	3.279		
4,600.00	4,498.55	4,465.12	4,464.49	23.37	19.19	-64.00	96.23	972.13	121.41	79.19	42.22	2.876		
4,700.00	4,596.00	4,564.38	4,563.70	23.89	19.61	-74.37	93.13	970.98	109.81	66.49	43.33	2.535		
4,800.00	4,693.44	4,663.08	4,662.26	24.41	20.03	-86.69	88.30	969.39	100.74	56.40	44.34	2.272		
4,900.00	4,790.88	4,760.64	4,759.63	24.93	20.44	-100.48	82.33	967.92	95.94	50.77	45.17	2.124		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,933.24	4,823.28	4,792.97	4,791.89	25.11	20.58	-105.16	80.30	967.58	95.62	50.23	45.39	2.107		
5,000.00	4,888.33	4,857.68	4,856.48	25.46	20.85	-114.34	76.30	967.09	96.97	51.22	45.75	2.119		
5,100.00	4,985.77	4,954.27	4,952.90	25.98	21.26	-126.95	70.64	966.48	103.87	57.68	46.19	2.249		
5,200.00	5,083.21	5,050.40	5,048.90	26.50	21.67	-137.42	65.73	965.54	116.05	69.44	46.61	2.490		
5,300.00	5,180.66	5,146.58	5,145.01	27.02	22.08	-145.30	62.12	964.66	132.18	85.04	47.14	2.804		
5,400.00	5,278.10	5,242.56	5,240.94	27.55	22.49	-151.09	59.58	963.61	150.97	103.20	47.76	3.161		
5,500.00	5,375.54	5,338.49	5,336.86	28.07	22.89	-155.22	58.37	962.35	171.72	123.26	48.46	3.544		
5,582.90	5,456.32	5,418.09	5,416.44	28.50	23.23	-157.85	57.88	961.07	189.88	140.80	49.08	3.869		
5,600.00	5,473.00	5,434.41	5,432.76	28.59	23.30	-158.33	57.86	960.78	193.67	144.47	49.20	3.936		
5,700.00	5,570.93	5,530.43	5,528.77	29.10	23.70	-160.47	58.45	958.86	214.67	164.70	49.97	4.296		
5,800.00	5,669.52	5,628.44	5,626.73	29.57	24.11	-161.75	60.11	956.77	233.08	182.28	50.80	4.588		
5,900.00	5,768.62	5,728.94	5,727.22	30.03	24.53	-162.71	61.24	954.93	247.82	196.14	51.69	4.795		
6,000.00	5,868.13	5,829.83	5,828.09	30.45	24.96	-163.62	60.86	953.18	258.77	206.21	52.56	4.923		
6,100.00	5,967.93	5,931.42	5,929.67	30.86	25.39	-164.35	59.74	952.11	265.57	212.14	53.44	4.970		
6,200.00	6,067.88	6,031.29	6,029.52	31.24	25.81	-164.86	58.41	951.18	268.86	214.60	54.25	4.956		
6,232.12	6,100.00	6,063.55	6,061.78	31.36	25.95	-74.26	58.04	950.92	269.18	214.67	54.52	4.938		
6,300.00	6,167.88	6,131.54	6,129.76	31.61	26.24	-74.41	57.43	950.45	269.46	214.40	55.06	4.894		
6,400.00	6,267.88	6,231.29	6,229.51	31.97	26.66	-74.62	56.57	949.75	269.92	214.06	55.85	4.833		
6,500.00	6,367.88	6,331.10	6,329.31	32.34	27.08	-74.88	55.56	948.89	270.48	213.83	56.65	4.775		
6,600.00	6,467.88	6,431.43	6,429.63	32.70	27.51	-75.11	54.63	948.08	271.02	213.56	57.46	4.716		
6,700.00	6,567.88	6,531.87	6,530.07	33.07	27.94	-75.35	53.66	947.45	271.38	213.10	58.28	4.656		
6,736.50	6,604.38	6,568.38	6,566.58	33.21	28.09	-75.42	53.33	947.26	271.49	212.91	58.57	4.635		
6,750.00	6,617.88	6,581.89	6,580.08	33.25	28.15	11.65	53.22	947.19	271.39	212.70	58.68	4.625		
6,800.00	6,667.77	6,631.55	6,629.74	33.43	28.36	11.74	52.84	946.92	268.59	209.53	59.06	4.548		
6,850.00	6,717.28	6,680.72	6,678.91	33.60	28.57	12.06	52.42	946.58	262.03	202.61	59.42	4.410		
6,900.00	6,766.09	6,729.12	6,727.30	33.79	28.78	12.65	51.97	946.16	251.78	192.01	59.77	4.213		
6,950.00	6,813.90	6,776.53	6,774.70	33.99	28.98	13.58	51.56	945.64	237.93	177.84	60.10	3.959		
7,000.00	6,860.42	6,822.87	6,821.04	34.20	29.17	14.97	51.20	945.05	220.61	160.19	60.41	3.652		
7,050.00	6,905.36	6,867.85	6,866.02	34.42	29.36	16.99	50.83	944.40	199.92	139.19	60.73	3.292		
7,100.00	6,948.45	6,911.22	6,909.38	34.67	29.55	19.98	50.45	943.72	176.09	115.04	61.05	2.884		
7,150.00	6,989.41	6,952.81	6,950.96	34.94	29.73	24.59	50.13	943.11	149.38	87.96	61.43	2.432		
7,200.00	7,028.00	6,991.95	6,990.10	35.24	29.89	32.02	49.86	942.61	120.37	58.47	61.90	1.944		
7,250.00	7,063.98	7,028.49	7,026.64	35.56	30.05	44.49	49.63	942.21	90.36	27.64	62.71	1.441 Level 3		
7,300.00	7,097.13	7,062.09	7,060.23	35.92	30.19	65.00	49.39	941.92	63.06	-1.40	64.46	0.978 Level 1		
7,347.62	7,125.87	7,091.14	7,089.28	36.30	30.31	90.56	49.18	941.72	50.50	-16.11	66.60	0.758 Level 1, CC, ES, SF		
7,350.00	7,127.23	7,092.51	7,090.65	36.32	30.32	91.83	49.17	941.71	50.53	-16.10	66.63	0.758 Level 1		
7,400.00	7,154.12	7,119.61	7,117.76	36.75	30.43	114.45	48.96	941.55	66.95	1.83	65.13	1.028 Level 2		
7,450.00	7,177.61	7,143.34	7,141.48	37.22	30.54	128.03	48.77	941.42	101.45	37.81	63.64	1.594		
7,500.00	7,197.57	7,163.53	7,161.67	37.73	30.62	134.85	48.61	941.31	142.95	79.93	63.02	2.268		
7,550.00	7,213.88	7,180.08	7,178.22	38.28	30.69	137.12	48.48	941.21	187.84	125.08	62.76	2.993		
7,600.00	7,226.42	7,192.88	7,191.02	38.87	30.75	135.41	48.38	941.14	234.76	172.14	62.62	3.749		
7,650.00	7,235.13	7,201.84	7,199.98	39.48	30.78	128.59	48.31	941.09	283.00	220.45	62.54	4.525		
7,700.00	7,239.95	7,206.92	7,205.06	40.12	30.81	112.89	48.27	941.06	332.07	269.57	62.49	5.314		
7,735.44	7,241.00	7,208.15	7,206.29	40.59	30.81	93.34	48.26	941.06	367.12	304.66	62.46	5.878		
7,800.00	7,241.11	7,208.59	7,206.73	41.47	30.81	93.85	48.26	941.06	431.18	368.76	62.42	6.908		
7,900.00	7,241.27	7,209.28	7,207.42	42.96	30.82	94.64	48.25	941.05	530.64	468.26	62.38	8.507		
8,000.00	7,241.44	7,209.96	7,208.10	44.59	30.82	95.43	48.25	941.05	630.27	567.91	62.36	10.108		
8,100.00	7,241.61	7,210.65	7,208.79	46.34	30.82	96.22	48.24	941.04	730.00	667.65	62.34	11.709		
8,200.00	7,241.77	7,211.33	7,209.47	48.20	30.83	97.00	48.24	941.04	829.79	767.45	62.34	13.312		
8,300.00	7,241.94	7,212.02	7,210.16	50.16	30.83	97.78	48.23	941.04	929.63	867.30	62.33	14.914		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,400.00	7,242.11	7,212.70	7,210.84	52.20	30.83	98.56	48.22	941.03	1,029.50	967.16	62.33	16.516		
8,500.00	7,242.27	7,213.39	7,211.53	54.31	30.83	99.33	48.22	941.03	1,129.39	1,067.05	62.34	18.118		
8,600.00	7,242.44	7,214.08	7,212.22	56.49	30.84	100.10	48.21	941.02	1,229.30	1,166.96	62.34	19.718		
8,700.00	7,242.60	7,214.76	7,212.90	58.73	30.84	100.87	48.21	941.02	1,329.22	1,266.87	62.35	21.319		
8,800.00	7,242.77	7,215.45	7,213.58	61.03	30.84	101.64	48.20	941.02	1,429.15	1,366.79	62.36	22.918		
8,900.00	7,242.94	7,216.13	7,214.27	63.37	30.85	102.40	48.20	941.01	1,529.10	1,466.73	62.37	24.517		
9,000.00	7,243.10	7,216.82	7,214.95	65.75	30.85	103.15	48.19	941.01	1,629.04	1,566.66	62.38	26.114		
9,100.00	7,243.27	7,217.50	7,215.64	68.18	30.85	103.90	48.19	941.01	1,729.00	1,666.60	62.40	27.710		
9,200.00	7,243.44	7,218.19	7,216.32	70.63	30.85	104.65	48.18	941.00	1,828.96	1,766.55	62.41	29.305		
9,300.00	7,243.60	7,218.87	7,217.01	73.12	30.86	105.39	48.18	941.00	1,928.92	1,866.49	62.43	30.898		
9,400.00	7,243.77	7,219.56	7,217.69	75.63	30.86	106.13	48.17	940.99	2,028.89	1,966.44	62.45	32.490		
9,500.00	7,243.94	7,220.24	7,218.38	78.17	30.86	106.86	48.17	940.99	2,128.86	2,066.39	62.47	34.081		
9,600.00	7,244.10	7,220.93	7,219.06	80.73	30.87	107.59	48.16	940.99	2,228.83	2,166.34	62.49	35.669		
9,700.00	7,244.27	7,221.61	7,219.75	83.31	30.87	108.31	48.15	940.98	2,328.80	2,266.29	62.51	37.256		
9,800.00	7,244.44	7,222.30	7,220.43	85.91	30.87	109.02	48.15	940.98	2,428.78	2,366.25	62.53	38.841		
9,900.00	7,244.60	7,222.98	7,221.12	88.53	30.87	109.73	48.14	940.97	2,528.75	2,466.20	62.55	40.424		
10,000.00	7,244.77	7,223.67	7,221.80	91.16	30.88	110.43	48.14	940.97	2,628.73	2,566.15	62.58	42.006		
10,100.00	7,244.94	7,224.35	7,222.49	93.81	30.88	111.13	48.13	940.97	2,728.71	2,666.11	62.61	43.585		
10,200.00	7,245.10	7,225.04	7,223.17	96.46	30.88	111.82	48.13	940.96	2,828.70	2,766.06	62.64	45.162		
10,300.00	7,245.27	7,225.72	7,223.86	99.14	30.89	112.50	48.12	940.96	2,928.68	2,866.01	62.66	46.736		
10,400.00	7,245.43	7,226.41	7,224.54	101.82	30.89	113.18	48.12	940.96	3,028.66	2,965.97	62.69	48.308		
10,500.00	7,245.60	7,227.09	7,225.23	104.51	30.89	113.85	48.11	940.95	3,128.65	3,065.92	62.73	49.878		
10,600.00	7,245.77	7,227.78	7,225.91	107.21	30.90	114.51	48.11	940.95	3,228.63	3,165.87	62.76	51.445		
10,700.00	7,245.93	7,228.46	7,226.60	109.92	30.90	115.17	48.10	940.94	3,328.62	3,265.83	62.79	53.010		
10,800.00	7,246.10	7,229.15	7,227.28	112.64	30.90	115.82	48.10	940.94	3,428.61	3,365.78	62.83	54.572		
10,900.00	7,246.27	7,229.83	7,227.97	115.37	30.90	116.46	48.09	940.94	3,528.59	3,465.73	62.86	56.131		
11,000.00	7,246.43	7,230.52	7,228.65	118.10	30.91	117.10	48.08	940.93	3,628.58	3,565.68	62.90	57.688		
11,100.00	7,246.60	7,231.20	7,229.34	120.84	30.91	117.73	48.08	940.93	3,728.57	3,665.63	62.94	59.241		
11,200.00	7,246.77	7,231.89	7,230.02	123.58	30.91	118.35	48.07	940.92	3,828.56	3,765.58	62.98	60.792		
11,300.00	7,246.93	7,232.57	7,230.71	126.34	30.92	118.97	48.07	940.92	3,928.55	3,865.53	63.02	62.339		
11,340.34	7,247.00	7,232.85	7,230.98	127.45	30.92	119.21	48.07	940.92	3,968.88	3,905.85	63.04	62.963		
11,400.00	7,247.10	7,233.26	7,231.40	129.09	30.92	-129.69	48.06	940.92	4,028.54	3,965.48	63.06	63.883		
11,500.00	7,247.27	7,233.99	7,232.12	131.84	30.92	-99.39	48.06	940.91	4,128.50	4,065.40	63.10	65.423		
11,586.15	7,247.43	7,234.63	7,232.77	134.20	30.92	-95.68	48.05	940.91	4,214.50	4,151.36	63.14	66.745		
11,600.00	7,247.45	7,234.74	7,232.88	134.57	30.92	-95.70	48.05	940.91	4,228.32	4,165.17	63.15	66.957		
11,700.00	7,247.64	7,235.51	7,233.65	137.31	30.93	-95.85	48.05	940.90	4,328.07	4,264.87	63.20	68.486		
11,800.00	7,247.82	7,236.28	7,234.41	140.05	30.93	-95.99	48.04	940.90	4,427.83	4,364.58	63.24	70.012		
11,900.00	7,248.00	7,237.05	7,235.18	142.79	30.93	-96.14	48.03	940.90	4,527.60	4,464.31	63.29	71.534		
12,000.00	7,248.18	7,237.81	7,235.95	145.53	30.94	-96.28	48.03	940.89	4,627.38	4,564.04	63.34	73.053		
12,100.00	7,248.37	7,238.58	7,236.72	148.28	30.94	-96.43	48.02	940.89	4,727.17	4,663.77	63.39	74.568		
12,200.00	7,248.55	7,239.35	7,237.49	151.04	30.94	-96.57	48.02	940.88	4,826.97	4,763.52	63.45	76.080		
12,300.00	7,248.73	7,240.12	7,238.26	153.80	30.95	-96.71	48.01	940.88	4,926.77	4,863.27	63.50	77.588		
12,400.00	7,248.91	7,240.89	7,239.02	156.56	30.95	-96.86	48.00	940.87	5,026.59	4,963.03	63.55	79.092		
12,500.00	7,249.10	7,241.66	7,239.79	159.32	30.95	-97.00	48.00	940.87	5,126.41	5,062.80	63.61	80.593		
12,600.00	7,249.28	7,242.42	7,240.56	162.09	30.96	-97.14	47.99	940.87	5,226.23	5,162.57	63.66	82.090		
12,700.00	7,249.46	7,243.19	7,241.33	164.86	30.96	-97.29	47.99	940.86	5,326.07	5,262.35	63.72	83.583		
12,800.00	7,249.64	7,243.96	7,242.10	167.63	30.96	-97.43	47.98	940.86	5,425.91	5,362.13	63.78	85.072		
12,900.00	7,249.83	7,244.73	7,242.86	170.40	30.97	-97.58	47.97	940.85	5,525.75	5,461.91	63.84	86.557		
13,000.00	7,250.01	7,245.50	7,243.63	173.18	30.97	-97.72	47.97	940.85	5,625.61	5,561.71	63.90	88.038		
13,100.00	7,250.19	7,246.26	7,244.40	175.96	30.97	-97.86	47.96	940.84	5,725.46	5,661.50	63.96	89.515		
13,200.00	7,250.37	7,247.03	7,245.17	178.74	30.98	-98.00	47.96	940.84	5,825.32	5,761.30	64.02	90.988		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,300.00	7,250.56	7,247.80	7,245.94	181.52	30.98	-98.15	47.95	940.84	5,925.19	5,861.10	64.09	92.457		
13,400.00	7,250.74	7,248.57	7,246.70	184.31	30.98	-98.29	47.94	940.83	6,025.06	5,960.91	64.15	93.921		
13,500.00	7,250.92	7,249.34	7,247.47	187.09	30.99	-98.43	47.94	940.83	6,124.93	6,060.72	64.22	95.381		
13,600.00	7,251.10	7,250.10	7,248.24	189.88	30.99	-98.58	47.93	940.82	6,224.81	6,160.53	64.28	96.836		
13,700.00	7,251.29	7,250.87	7,249.01	192.67	30.99	-98.72	47.93	940.82	6,324.69	6,260.34	64.35	98.288		
13,800.00	7,251.47	7,251.64	7,249.78	195.47	31.00	-98.86	47.92	940.81	6,424.58	6,360.16	64.42	99.734		
13,900.00	7,251.65	7,252.41	7,250.54	198.26	31.00	-99.00	47.91	940.81	6,524.47	6,459.98	64.49	101.176		
14,000.00	7,251.83	7,253.18	7,251.31	201.05	31.00	-99.14	47.91	940.81	6,624.36	6,559.80	64.56	102.614		
14,100.00	7,252.01	7,253.94	7,252.08	203.85	31.01	-99.29	47.90	940.80	6,724.25	6,659.63	64.63	104.047		
14,200.00	7,252.20	7,254.71	7,252.85	206.65	31.01	-99.43	47.90	940.80	6,824.15	6,759.45	64.70	105.476		
14,300.00	7,252.38	7,255.48	7,253.62	209.45	31.01	-99.57	47.89	940.79	6,924.05	6,859.28	64.77	106.899		
14,400.00	7,252.56	7,256.25	7,254.38	212.25	31.02	-99.71	47.88	940.79	7,023.96	6,959.11	64.85	108.318		
14,500.00	7,252.74	7,257.02	7,255.15	215.05	31.02	-99.85	47.88	940.78	7,123.86	7,058.94	64.92	109.733		
14,600.00	7,252.93	7,257.78	7,255.92	217.86	31.02	-99.99	47.87	940.78	7,223.77	7,158.77	65.00	111.142		
14,700.00	7,253.11	7,258.55	7,256.69	220.66	31.03	-100.14	47.87	940.78	7,323.68	7,258.61	65.07	112.547		
14,800.00	7,253.29	7,259.32	7,257.46	223.47	31.03	-100.28	47.86	940.77	7,423.60	7,358.45	65.15	113.946		
14,900.00	7,253.47	7,260.09	7,258.22	226.27	31.03	-100.42	47.85	940.77	7,523.51	7,458.28	65.23	115.341		
15,000.00	7,253.66	7,260.85	7,258.99	229.08	31.04	-100.56	47.85	940.76	7,623.43	7,558.12	65.31	116.731		
15,100.00	7,253.84	7,261.62	7,259.76	231.89	31.04	-100.70	47.84	940.76	7,723.35	7,657.96	65.39	118.116		
15,200.00	7,254.02	7,262.39	7,260.53	234.70	31.04	-100.84	47.84	940.75	7,823.27	7,757.80	65.47	119.496		
15,300.00	7,254.20	7,263.16	7,261.29	237.51	31.05	-100.98	47.83	940.75	7,923.19	7,857.64	65.55	120.871		
15,400.00	7,254.39	7,263.93	7,262.06	240.32	31.05	-101.12	47.82	940.75	8,023.12	7,957.49	65.63	122.241		
15,500.00	7,254.57	7,264.69	7,262.83	243.13	31.05	-101.26	47.82	940.74	8,123.05	8,057.33	65.72	123.605		
15,600.00	7,254.75	7,265.46	7,263.60	245.94	31.06	-101.40	47.81	940.74	8,222.98	8,157.17	65.80	124.965		
15,700.00	7,254.93	7,266.23	7,264.36	248.76	31.06	-101.54	47.81	940.73	8,322.91	8,257.02	65.89	126.320		
15,800.00	7,255.12	7,267.00	7,265.13	251.57	31.06	-101.68	47.80	940.73	8,422.84	8,356.87	65.97	127.669		
15,900.00	7,255.30	7,267.76	7,265.90	254.39	31.07	-101.82	47.79	940.72	8,522.77	8,456.71	66.06	129.013		
16,000.00	7,255.48	7,268.53	7,266.67	257.20	31.07	-101.96	47.79	940.72	8,622.71	8,556.56	66.15	130.352		
16,100.00	7,255.66	7,269.30	7,267.43	260.02	31.07	-102.10	47.78	940.72	8,722.65	8,656.41	66.24	131.686		
16,200.00	7,255.85	7,270.07	7,268.20	262.84	31.08	-102.24	47.78	940.71	8,822.58	8,756.26	66.33	133.015		
16,300.00	7,256.03	7,270.83	7,268.97	265.65	31.08	-102.38	47.77	940.71	8,922.52	8,856.10	66.42	134.338		
16,400.00	7,256.21	7,271.60	7,269.74	268.47	31.08	-102.51	47.76	940.70	9,022.46	8,955.95	66.51	135.656		
16,500.00	7,256.39	7,272.37	7,270.50	271.29	31.08	-102.65	47.76	940.70	9,122.41	9,055.80	66.60	136.969		
16,600.00	7,256.58	7,273.14	7,271.27	274.11	31.09	-102.79	47.75	940.69	9,222.35	9,155.65	66.70	138.276		
16,700.00	7,256.76	7,273.90	7,272.04	276.93	31.09	-102.93	47.74	940.69	9,322.29	9,255.50	66.79	139.578		
16,800.00	7,256.94	7,274.67	7,272.81	279.75	31.09	-103.07	47.74	940.69	9,422.24	9,355.35	66.88	140.875		
16,900.00	7,257.12	7,275.44	7,273.57	282.57	31.10	-103.20	47.73	940.68	9,522.18	9,455.21	66.98	142.167		
17,000.00	7,257.30	7,276.21	7,274.34	285.40	31.10	-103.34	47.73	940.68	9,622.13	9,555.06	67.08	143.453		
17,100.00	7,257.49	7,276.97	7,275.11	288.22	31.10	-103.48	47.72	940.67	9,722.08	9,654.91	67.17	144.734		
17,200.00	7,257.67	7,277.74	7,275.88	291.04	31.11	-103.62	47.71	940.67	9,822.03	9,754.76	67.27	146.009		
17,300.00	7,257.85	7,278.51	7,276.64	293.87	31.11	-103.76	47.71	940.66	9,921.98	9,854.61	67.37	147.279		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	105.68	-445.50	1,587.41	1,649.41					
100.00	100.00	59.10	59.10	3.28	3.28	105.67	-445.40	1,587.32	1,648.64	1,642.07	6.57	251.041		
200.00	200.00	155.47	155.47	3.34	3.31	105.66	-444.99	1,587.00	1,648.21	1,641.56	6.65	247.924		
300.00	299.98	251.05	251.05	3.44	3.39	14.97	-444.84	1,587.15	1,646.63	1,639.80	6.83	240.960		
400.00	399.84	353.38	353.38	3.60	3.53	15.05	-444.90	1,587.16	1,641.60	1,634.47	7.13	230.344		
500.00	499.45	444.69	444.69	3.81	3.69	15.16	-444.78	1,587.27	1,633.27	1,625.78	7.49	218.000		
600.00	598.70	528.36	528.35	4.05	3.87	15.28	-444.18	1,588.29	1,622.47	1,614.55	7.91	204.999		
700.00	697.47	613.20	613.16	4.34	4.07	15.44	-443.63	1,590.10	1,609.23	1,600.83	8.40	191.559		
800.00	795.62	697.45	697.38	4.66	4.30	15.64	-443.16	1,592.66	1,593.55	1,584.62	8.94	178.288		
849.22	843.68	742.21	742.11	4.84	4.44	15.76	-442.89	1,594.29	1,584.90	1,575.67	9.23	171.687		
900.00	893.16	788.58	788.44	5.02	4.58	15.83	-442.61	1,596.09	1,575.67	1,566.13	9.54	165.161		
1,000.00	990.60	886.26	886.04	5.41	4.89	15.99	-441.96	1,600.05	1,557.66	1,547.47	10.19	152.828		
1,100.00	1,088.05	981.70	981.40	5.83	5.21	16.14	-441.19	1,604.03	1,539.73	1,528.86	10.87	141.614		
1,200.00	1,185.49	1,068.81	1,068.41	6.26	5.51	16.29	-440.71	1,607.98	1,522.23	1,510.68	11.55	131.743		
1,300.00	1,282.93	1,161.59	1,161.07	6.70	5.85	16.48	-441.01	1,612.62	1,505.43	1,493.16	12.28	122.629		
1,400.00	1,380.37	1,254.95	1,254.31	7.15	6.19	16.66	-441.17	1,617.54	1,488.86	1,475.84	13.02	114.355		
1,500.00	1,477.82	1,346.07	1,345.27	7.62	6.54	16.83	-441.08	1,622.87	1,472.78	1,459.00	13.77	106.929		
1,600.00	1,575.26	1,434.51	1,433.51	8.09	6.89	16.97	-440.54	1,628.69	1,457.24	1,442.70	14.53	100.269		
1,700.00	1,672.70	1,521.57	1,520.32	8.57	7.24	17.10	-440.09	1,635.20	1,442.58	1,427.28	15.30	94.278		
1,800.00	1,770.15	1,617.23	1,615.66	9.05	7.64	17.22	-439.00	1,642.98	1,428.37	1,412.26	16.11	88.658		
1,900.00	1,867.59	1,711.03	1,709.13	9.54	8.03	17.34	-438.06	1,650.89	1,414.49	1,397.57	16.92	83.581		
2,000.00	1,965.03	1,810.61	1,808.36	10.03	8.45	17.51	-438.00	1,659.15	1,400.77	1,383.01	17.76	78.865		
2,100.00	2,062.48	1,915.18	1,912.60	10.53	8.88	17.71	-438.26	1,667.50	1,386.88	1,368.26	18.62	74.473		
2,200.00	2,159.92	2,026.60	2,023.73	11.03	9.35	17.93	-438.43	1,675.52	1,372.22	1,352.70	19.51	70.326		
2,300.00	2,257.36	2,128.82	2,125.71	11.53	9.77	18.12	-438.08	1,682.51	1,357.09	1,336.71	20.38	66.605		
2,400.00	2,354.81	2,231.73	2,228.39	12.03	10.19	18.33	-437.74	1,689.23	1,341.69	1,320.44	21.24	63.155		
2,500.00	2,452.25	2,336.54	2,333.01	12.54	10.62	18.57	-437.79	1,695.56	1,325.96	1,303.84	22.12	59.939		
2,600.00	2,549.69	2,442.06	2,438.39	13.04	11.05	18.84	-438.19	1,701.14	1,309.67	1,286.66	23.00	56.933		
2,700.00	2,647.13	2,539.88	2,536.08	13.55	11.45	19.09	-438.46	1,706.07	1,293.14	1,269.27	23.87	54.185		
2,800.00	2,744.58	2,631.17	2,627.24	14.06	11.83	19.34	-438.72	1,711.01	1,276.98	1,252.27	24.71	51.677		
2,900.00	2,842.02	2,722.03	2,717.93	14.57	12.20	19.58	-439.15	1,716.54	1,261.53	1,235.97	25.56	49.358		
3,000.00	2,939.46	2,819.33	2,815.04	15.09	12.61	19.84	-439.66	1,722.69	1,246.35	1,219.92	26.43	47.158		
3,100.00	3,036.91	2,911.52	2,907.01	15.60	13.00	20.11	-440.36	1,728.82	1,231.57	1,204.29	27.29	45.135		
3,200.00	3,134.35	3,008.34	3,003.60	16.11	13.41	20.39	-441.25	1,735.56	1,217.18	1,189.02	28.16	43.222		
3,300.00	3,231.79	3,113.68	3,108.68	16.63	13.85	20.67	-441.38	1,742.96	1,202.60	1,173.53	29.06	41.379		
3,400.00	3,329.24	3,206.02	3,200.78	17.14	14.25	20.91	-441.35	1,749.60	1,188.12	1,158.19	29.93	39.697		
3,500.00	3,426.68	3,306.01	3,300.51	17.66	14.67	21.20	-441.86	1,756.72	1,173.82	1,143.00	30.82	38.086		
3,600.00	3,524.12	3,412.23	3,406.50	18.18	15.12	21.54	-442.63	1,763.76	1,159.16	1,127.43	31.73	36.534		
3,700.00	3,621.57	3,503.34	3,497.40	18.69	15.51	21.85	-443.62	1,769.75	1,144.62	1,112.03	32.60	35.115		
3,800.00	3,719.01	3,589.21	3,583.03	19.21	15.87	22.17	-445.16	1,775.91	1,130.95	1,097.50	33.45	33.809		
3,900.00	3,816.45	3,673.81	3,667.33	19.73	16.24	22.52	-447.48	1,782.73	1,118.50	1,084.20	34.30	32.608		
4,000.00	3,913.90	3,765.30	3,758.40	20.25	16.64	22.94	-451.14	1,790.68	1,107.18	1,072.01	35.18	31.476		
4,100.00	4,011.34	3,862.69	3,855.30	20.77	17.07	23.45	-456.10	1,799.05	1,096.29	1,060.22	36.07	30.392		
4,200.00	4,108.78	3,965.42	3,957.53	21.29	17.51	23.99	-460.97	1,807.93	1,085.41	1,048.42	36.99	29.344		
4,300.00	4,206.22	4,070.02	4,061.67	21.81	17.97	24.52	-465.41	1,816.65	1,074.10	1,036.19	37.91	28.330		
4,400.00	4,303.67	4,173.33	4,164.58	22.33	18.42	25.05	-469.32	1,824.92	1,062.40	1,023.57	38.83	27.358		
4,500.00	4,401.11	4,274.33	4,265.21	22.85	18.86	25.58	-473.00	1,832.73	1,050.48	1,010.73	39.75	26.429		
4,600.00	4,498.55	4,381.84	4,372.36	23.37	19.32	26.11	-476.15	1,840.92	1,038.23	997.55	40.68	25.522		
4,700.00	4,596.00	4,489.25	4,480.50	23.89	19.82	26.75	-479.41	1,848.18	1,024.73	983.10	41.63	24.616		
4,800.00	4,693.44	4,616.52	4,606.62	24.41	20.31	27.43	-481.85	1,853.35	1,009.44	966.88	42.56	23.717		
4,900.00	4,790.88	4,720.39	4,710.42	24.93	20.74	28.05	-483.59	1,856.91	993.22	949.75	43.47	22.847		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,830.17	4,820.16	25.46	21.19	28.73	-484.90	1,859.57	976.00	931.62	44.38	21.991		
5,100.00	4,985.77	4,933.40	4,923.36	25.98	21.62	29.40	-485.69	1,861.33	958.08	912.79	45.29	21.155		
5,200.00	5,083.21	5,035.30	5,025.26	26.50	22.04	30.08	-486.14	1,862.72	939.83	893.64	46.20	20.345		
5,300.00	5,180.66	5,133.82	5,123.78	27.02	22.45	30.77	-486.48	1,863.65	921.30	874.20	47.11	19.558		
5,400.00	5,278.10	5,225.09	5,215.03	27.55	22.82	31.46	-487.35	1,864.62	903.33	855.30	48.03	18.809		
5,500.00	5,375.54	5,317.27	5,307.19	28.07	23.21	32.24	-489.32	1,865.75	886.26	837.31	48.95	18.104		
5,582.90	5,456.32	5,400.45	5,390.33	28.50	23.55	32.98	-491.28	1,866.76	872.34	822.62	49.72	17.545		
5,600.00	5,473.00	5,417.69	5,407.57	28.59	23.62	33.10	-491.64	1,866.97	869.50	819.62	49.88	17.432		
5,700.00	5,570.93	5,519.04	5,508.90	29.10	24.04	33.73	-493.24	1,868.26	854.48	803.69	50.79	16.823		
5,800.00	5,669.52	5,619.96	5,609.81	29.57	24.46	34.25	-494.34	1,869.44	842.10	790.41	51.69	16.291		
5,900.00	5,768.62	5,716.88	5,706.71	30.03	24.87	34.63	-495.06	1,870.91	832.77	780.19	52.58	15.839		
6,000.00	5,868.13	5,816.93	5,806.74	30.45	25.28	34.91	-495.64	1,872.70	826.47	773.03	53.44	15.465		
6,100.00	5,967.93	5,920.83	5,910.63	30.86	25.72	35.10	-496.27	1,874.22	822.81	768.53	54.28	15.159		
6,200.00	6,067.88	6,026.40	6,016.20	31.24	26.16	35.20	-496.67	1,874.99	821.27	766.17	55.09	14.906		
6,211.60	6,079.48	6,037.88	6,027.68	31.29	26.20	35.20	-496.69	1,875.05	821.25	766.06	55.19	14.881		
6,232.12	6,100.00	6,058.17	6,047.97	31.36	26.29	125.91	-496.72	1,875.18	821.31	765.95	55.35	14.837		
6,300.00	6,167.88	6,126.56	6,116.35	31.61	26.57	125.89	-496.76	1,875.69	821.74	765.84	55.89	14.702		
6,400.00	6,267.88	6,231.61	6,221.40	31.97	27.01	125.90	-496.97	1,875.92	822.03	765.35	56.68	14.503		
6,500.00	6,367.88	6,337.20	6,326.99	32.34	27.45	125.95	-497.24	1,875.07	821.53	764.07	57.47	14.296		
6,600.00	6,467.88	6,438.60	6,428.38	32.70	27.87	126.02	-497.66	1,873.74	820.71	762.45	58.26	14.086		
6,700.00	6,567.88	6,539.79	6,529.55	33.07	28.30	126.13	-498.34	1,871.99	819.71	760.64	59.06	13.878		
6,736.50	6,604.38	6,576.48	6,566.24	33.21	28.45	126.18	-498.59	1,871.32	819.32	759.96	59.36	13.803		
6,744.77	6,612.65	6,584.80	6,574.56	33.23	28.49	-146.72	-498.65	1,871.16	819.27	759.85	59.42	13.787 CC		
6,750.00	6,617.88	6,590.06	6,579.81	33.25	28.51	-146.72	-498.69	1,871.07	819.29	759.83	59.46	13.778 ES		
6,800.00	6,667.77	6,641.79	6,631.53	33.43	28.73	-146.68	-499.05	1,870.04	821.23	761.39	59.84	13.724 SF		
6,850.00	6,717.28	6,693.60	6,683.32	33.60	28.94	-146.63	-499.47	1,868.81	826.31	766.11	60.20	13.727		
6,900.00	6,766.09	6,745.52	6,735.23	33.79	29.16	-146.56	-499.94	1,867.35	834.52	773.98	60.53	13.786		
6,950.00	6,813.90	6,796.73	6,786.40	33.99	29.38	-146.47	-500.49	1,865.64	845.80	784.95	60.85	13.899		
7,000.00	6,860.42	6,844.51	6,834.15	34.20	29.58	-146.30	-501.00	1,863.90	860.21	799.05	61.16	14.065		
7,050.00	6,905.36	6,890.66	6,880.26	34.42	29.77	-146.06	-501.43	1,862.24	877.78	816.34	61.44	14.286		
7,100.00	6,948.45	6,936.80	6,926.37	34.67	29.97	-145.76	-501.82	1,860.53	898.45	836.75	61.70	14.561		
7,150.00	6,989.41	6,981.47	6,971.00	34.94	30.15	-145.34	-502.25	1,858.69	922.07	860.13	61.94	14.888		
7,200.00	7,028.00	7,024.49	7,013.98	35.24	30.34	-144.76	-502.67	1,856.77	948.56	886.41	62.15	15.263		
7,250.00	7,063.98	7,065.40	7,054.84	35.56	30.51	-144.00	-502.98	1,854.83	977.81	915.47	62.34	15.686		
7,300.00	7,097.13	7,103.58	7,092.97	35.92	30.67	-142.98	-503.19	1,852.91	1,009.70	947.19	62.50	16.154		
7,350.00	7,127.23	7,135.35	7,124.70	36.32	30.81	-141.49	-503.34	1,851.29	1,044.15	981.48	62.67	16.662		
7,400.00	7,154.12	7,164.34	7,153.65	36.75	30.93	-139.55	-503.47	1,849.81	1,081.03	1,018.23	62.81	17.212		
7,450.00	7,177.61	7,190.05	7,179.32	37.22	31.04	-137.00	-503.59	1,848.50	1,120.13	1,057.21	62.93	17.801		
7,500.00	7,197.57	7,212.31	7,201.56	37.73	31.14	-133.65	-503.69	1,847.36	1,161.23	1,098.20	63.03	18.424		
7,550.00	7,213.88	7,230.99	7,220.21	38.28	31.22	-129.25	-503.78	1,846.40	1,204.06	1,140.95	63.11	19.079		
7,600.00	7,226.42	7,245.98	7,235.18	38.87	31.28	-123.47	-503.85	1,845.64	1,248.37	1,185.19	63.18	19.760		
7,650.00	7,235.13	7,257.18	7,246.37	39.48	31.33	-115.91	-503.90	1,845.06	1,293.87	1,230.64	63.23	20.464		
7,700.00	7,239.95	7,264.52	7,253.70	40.12	31.36	-106.23	-503.93	1,844.69	1,340.27	1,277.01	63.26	21.186		
7,735.44	7,241.00	7,267.36	7,256.54	40.59	31.38	-98.07	-503.95	1,844.54	1,373.54	1,310.26	63.28	21.706		
7,800.00	7,241.11	7,270.75	7,259.92	41.47	31.39	-98.49	-503.96	1,844.37	1,434.52	1,371.22	63.30	22.661		
7,900.00	7,241.27	7,276.00	7,265.16	42.96	31.41	-99.13	-503.99	1,844.10	1,529.54	1,466.19	63.35	24.144		
8,000.00	7,241.44	7,281.24	7,270.40	44.59	31.44	-99.77	-504.01	1,843.84	1,625.14	1,561.74	63.40	25.633		
8,100.00	7,241.61	7,286.49	7,275.64	46.34	31.46	-100.41	-504.03	1,843.57	1,721.22	1,657.77	63.45	27.125		
8,200.00	7,241.77	7,291.74	7,280.88	48.20	31.48	-101.04	-504.06	1,843.30	1,817.72	1,754.21	63.51	28.621		
8,300.00	7,241.94	7,296.98	7,286.12	50.16	31.50	-101.67	-504.08	1,843.03	1,914.55	1,850.99	63.57	30.119		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS															Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,400.00	7,242.11	7,302.23	7,291.36	52.20	31.53	-102.30	-504.11	1,842.76	2,011.69	1,948.07	63.62	31.619				
8,500.00	7,242.27	7,307.48	7,296.60	54.31	31.55	-102.93	-504.13	1,842.49	2,109.08	2,045.40	63.68	33.121				
8,600.00	7,242.44	7,312.72	7,301.84	56.49	31.57	-103.55	-504.15	1,842.23	2,206.68	2,142.95	63.73	34.623				
8,700.00	7,242.60	7,317.97	7,307.08	58.73	31.59	-104.17	-504.18	1,841.96	2,304.49	2,240.70	63.79	36.127				
8,800.00	7,242.77	7,323.21	7,312.32	61.03	31.62	-104.78	-504.20	1,841.69	2,402.46	2,338.61	63.84	37.630				
8,900.00	7,242.94	7,328.46	7,317.55	63.37	31.64	-105.39	-504.23	1,841.42	2,500.58	2,436.68	63.90	39.133				
9,000.00	7,243.10	7,333.71	7,322.79	65.75	31.66	-106.00	-504.25	1,841.15	2,598.83	2,534.88	63.95	40.636				
9,100.00	7,243.27	7,338.95	7,328.03	68.18	31.68	-106.61	-504.28	1,840.89	2,697.21	2,633.20	64.01	42.139				
9,200.00	7,243.44	7,344.20	7,333.27	70.63	31.71	-107.21	-504.30	1,840.62	2,795.68	2,731.62	64.06	43.640				
9,300.00	7,243.60	7,349.45	7,338.51	73.12	31.73	-107.80	-504.32	1,840.35	2,894.26	2,830.14	64.12	45.141				
9,400.00	7,243.77	7,354.69	7,343.75	75.63	31.75	-108.39	-504.35	1,840.08	2,992.91	2,928.75	64.17	46.641				
9,500.00	7,243.94	7,359.94	7,348.99	78.17	31.77	-108.98	-504.37	1,839.81	3,091.65	3,027.43	64.22	48.139				
9,600.00	7,244.10	7,365.18	7,354.23	80.73	31.80	-109.57	-504.40	1,839.55	3,190.46	3,126.18	64.28	49.636				
9,700.00	7,244.27	7,370.43	7,359.47	83.31	31.82	-110.15	-504.42	1,839.28	3,289.33	3,224.99	64.33	51.131				
9,800.00	7,244.44	7,375.68	7,364.71	85.91	31.84	-110.72	-504.45	1,839.01	3,388.25	3,323.87	64.39	52.625				
9,900.00	7,244.60	7,380.92	7,369.95	88.53	31.86	-111.29	-504.47	1,838.74	3,487.23	3,422.79	64.44	54.116				
10,000.00	7,244.77	7,386.17	7,375.19	91.16	31.89	-111.86	-504.49	1,838.47	3,586.26	3,521.77	64.49	55.606				
10,100.00	7,244.94	7,391.42	7,380.43	93.81	31.91	-112.42	-504.52	1,838.21	3,685.34	3,620.79	64.55	57.094				
10,200.00	7,245.10	7,396.66	7,385.67	96.46	31.93	-112.98	-504.54	1,837.94	3,784.45	3,719.85	64.60	58.579				
10,300.00	7,245.27	7,401.91	7,390.91	99.14	31.95	-113.53	-504.57	1,837.67	3,883.61	3,818.95	64.66	60.062				
10,400.00	7,245.43	7,407.15	7,396.15	101.82	31.98	-114.08	-504.59	1,837.40	3,982.80	3,918.08	64.72	61.542				
10,500.00	7,245.60	7,383.00	7,372.02	104.51	31.87	-111.52	-504.48	1,838.64	4,082.13	4,017.37	64.75	63.041				
10,600.00	7,245.77	7,383.00	7,372.02	107.21	31.87	-111.52	-504.48	1,838.64	4,181.42	4,116.61	64.81	64.522				
10,700.00	7,245.93	7,383.00	7,372.02	109.92	31.87	-111.52	-504.48	1,838.64	4,280.74	4,215.88	64.86	66.002				
10,800.00	7,246.10	7,383.00	7,372.02	112.64	31.87	-111.52	-504.48	1,838.64	4,380.10	4,315.19	64.91	67.480				
10,900.00	7,246.27	7,383.00	7,372.02	115.37	31.87	-111.52	-504.48	1,838.64	4,479.48	4,414.52	64.96	68.955				
11,000.00	7,246.43	7,383.00	7,372.02	118.10	31.87	-111.52	-504.48	1,838.64	4,578.89	4,513.87	65.02	70.428				
11,100.00	7,246.60	7,383.00	7,372.02	120.84	31.87	-111.52	-504.48	1,838.64	4,678.32	4,613.26	65.07	71.899				
11,200.00	7,246.77	7,383.00	7,372.02	123.58	31.87	-111.52	-504.48	1,838.64	4,777.78	4,712.66	65.12	73.367				
11,300.00	7,246.93	7,383.00	7,372.02	126.34	31.87	-111.52	-504.48	1,838.64	4,877.26	4,812.09	65.18	74.833				
11,340.34	7,247.00	7,383.00	7,372.02	127.45	31.87	-111.52	-504.48	1,838.64	4,917.40	4,852.20	65.20	75.423				
11,400.00	7,247.10	7,383.00	7,372.02	129.09	31.87	-107.87	-504.48	1,838.64	4,976.70	4,911.47	65.23	76.294				
11,500.00	7,247.27	7,383.00	7,372.02	131.84	31.87	-103.84	-504.48	1,838.64	5,075.81	5,010.52	65.29	77.745				
11,586.15	7,247.43	7,383.00	7,372.02	134.20	31.87	-101.55	-504.48	1,838.64	5,160.81	5,095.47	65.34	78.983				
11,600.00	7,247.45	7,383.00	7,372.02	134.57	31.87	-101.55	-504.48	1,838.64	5,174.45	5,109.10	65.35	79.182				
11,700.00	7,247.64	7,383.00	7,372.02	137.31	31.87	-101.55	-504.48	1,838.64	5,272.95	5,207.53	65.41	80.611				
11,800.00	7,247.82	7,383.00	7,372.02	140.05	31.87	-101.55	-504.48	1,838.64	5,371.49	5,306.02	65.48	82.037				
11,900.00	7,248.00	7,383.00	7,372.02	142.79	31.87	-101.55	-504.48	1,838.64	5,470.10	5,404.56	65.54	83.461				
12,000.00	7,248.18	7,383.00	7,372.02	145.53	31.87	-101.55	-504.48	1,838.64	5,568.75	5,503.14	65.61	84.883				
12,100.00	7,248.37	7,383.00	7,372.02	148.28	31.87	-101.55	-504.48	1,838.64	5,667.45	5,601.78	65.67	86.301				
12,200.00	7,248.55	7,383.00	7,372.02	151.04	31.87	-101.55	-504.48	1,838.64	5,766.19	5,700.45	65.74	87.718				
12,300.00	7,248.73	7,383.00	7,372.02	153.80	31.87	-101.55	-504.48	1,838.64	5,864.97	5,799.17	65.80	89.131				
12,400.00	7,248.91	7,383.00	7,372.02	156.56	31.87	-101.55	-504.48	1,838.64	5,963.80	5,897.93	65.87	90.541				
12,500.00	7,249.10	7,383.00	7,372.02	159.32	31.87	-101.55	-504.48	1,838.64	6,062.67	5,996.73	65.94	91.949				
12,600.00	7,249.28	7,383.00	7,372.02	162.09	31.87	-101.55	-504.48	1,838.64	6,161.57	6,095.57	66.00	93.354				
12,700.00	7,249.46	7,383.00	7,372.02	164.86	31.87	-101.55	-504.48	1,838.64	6,260.50	6,194.43	66.07	94.755				
12,800.00	7,249.64	7,383.00	7,372.02	167.63	31.87	-101.55	-504.48	1,838.64	6,359.47	6,293.33	66.14	96.153				
12,900.00	7,249.83	7,383.00	7,372.02	170.40	31.87	-101.55	-504.48	1,838.64	6,458.47	6,392.27	66.21	97.549				
13,000.00	7,250.01	7,383.00	7,372.02	173.18	31.87	-101.55	-504.48	1,838.64	6,557.51	6,491.23	66.28	98.940				
13,100.00	7,250.19	7,383.00	7,372.02	175.96	31.87	-101.55	-504.48	1,838.64	6,656.57	6,590.22	66.35	100.329				
13,200.00	7,250.37	7,383.00	7,372.02	178.74	31.87	-101.55	-504.48	1,838.64	6,755.66	6,689.24	66.42	101.714				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,300.00	7,250.56	7,383.00	7,372.02	181.52	31.87	-101.55	-504.48	1,838.64	6,854.77	6,788.28	66.49	103.096		
13,400.00	7,250.74	7,383.00	7,372.02	184.31	31.87	-101.55	-504.48	1,838.64	6,953.91	6,887.35	66.56	104.474		
13,500.00	7,250.92	7,383.00	7,372.02	187.09	31.87	-101.55	-504.48	1,838.64	7,053.07	6,986.44	66.63	105.849		
13,600.00	7,251.10	7,383.00	7,372.02	189.88	31.87	-101.55	-504.48	1,838.64	7,152.26	7,085.56	66.71	107.220		
13,700.00	7,251.29	7,383.00	7,372.02	192.67	31.87	-101.55	-504.48	1,838.64	7,251.47	7,184.69	66.78	108.588		
13,800.00	7,251.47	7,383.00	7,372.02	195.47	31.87	-101.55	-504.48	1,838.64	7,350.70	7,283.85	66.85	109.952		
13,900.00	7,251.65	7,383.00	7,372.02	198.26	31.87	-101.55	-504.48	1,838.64	7,449.96	7,383.03	66.93	111.312		
14,000.00	7,251.83	7,383.00	7,372.02	201.05	31.87	-101.55	-504.48	1,838.64	7,549.23	7,482.22	67.00	112.668		
14,100.00	7,252.01	7,383.00	7,372.02	203.85	31.87	-101.55	-504.48	1,838.64	7,648.52	7,581.44	67.08	114.020		
14,200.00	7,252.20	7,383.00	7,372.02	206.65	31.87	-101.55	-504.48	1,838.64	7,747.83	7,680.67	67.16	115.369		
14,300.00	7,252.38	7,383.00	7,372.02	209.45	31.87	-101.55	-504.48	1,838.64	7,847.15	7,779.92	67.23	116.714		
14,400.00	7,252.56	7,383.00	7,372.02	212.25	31.87	-101.55	-504.48	1,838.64	7,946.50	7,879.19	67.31	118.054		
14,500.00	7,252.74	7,383.00	7,372.02	215.05	31.87	-101.55	-504.48	1,838.64	8,045.86	7,978.47	67.39	119.391		
14,600.00	7,252.93	7,383.00	7,372.02	217.86	31.87	-101.55	-504.48	1,838.64	8,145.23	8,077.76	67.47	120.724		
14,700.00	7,253.11	7,383.00	7,372.02	220.66	31.87	-101.55	-504.48	1,838.64	8,244.62	8,177.07	67.55	122.052		
14,800.00	7,253.29	7,383.00	7,372.02	223.47	31.87	-101.55	-504.48	1,838.64	8,344.03	8,276.40	67.63	123.377		
14,900.00	7,253.47	7,383.00	7,372.02	226.27	31.87	-101.55	-504.48	1,838.64	8,443.45	8,375.73	67.71	124.697		
15,000.00	7,253.66	7,383.00	7,372.02	229.08	31.87	-101.55	-504.48	1,838.64	8,542.88	8,475.09	67.79	126.013		
15,100.00	7,253.84	7,383.00	7,372.02	231.89	31.87	-101.55	-504.48	1,838.64	8,642.33	8,574.45	67.88	127.325		
15,200.00	7,254.02	7,383.00	7,372.02	234.70	31.87	-101.55	-504.48	1,838.64	8,741.78	8,673.82	67.96	128.633		
15,300.00	7,254.20	7,383.00	7,372.02	237.51	31.87	-101.55	-504.48	1,838.64	8,841.25	8,773.21	68.04	129.936		
15,400.00	7,254.39	7,383.00	7,372.02	240.32	31.87	-101.55	-504.48	1,838.64	8,940.74	8,872.61	68.13	131.235		
15,500.00	7,254.57	7,383.00	7,372.02	243.13	31.87	-101.55	-504.48	1,838.64	9,040.23	8,972.02	68.21	132.530		
15,600.00	7,254.75	7,383.00	7,372.02	245.94	31.87	-101.55	-504.48	1,838.64	9,139.73	9,071.44	68.30	133.820		
15,700.00	7,254.93	7,383.00	7,372.02	248.76	31.87	-101.55	-504.48	1,838.64	9,239.25	9,170.87	68.39	135.106		
15,800.00	7,255.12	7,383.00	7,372.02	251.57	31.87	-101.55	-504.48	1,838.64	9,338.78	9,270.30	68.47	136.388		
15,900.00	7,255.30	7,383.00	7,372.02	254.39	31.87	-101.55	-504.48	1,838.64	9,438.31	9,369.75	68.56	137.665		
16,000.00	7,255.48	7,383.00	7,372.02	257.20	31.87	-101.55	-504.48	1,838.64	9,537.86	9,469.21	68.65	138.937		
16,100.00	7,255.66	7,383.00	7,372.02	260.02	31.87	-101.55	-504.48	1,838.64	9,637.41	9,568.68	68.74	140.206		
16,200.00	7,255.85	7,383.00	7,372.02	262.84	31.87	-101.55	-504.48	1,838.64	9,736.98	9,668.15	68.83	141.469		
16,300.00	7,256.03	7,383.00	7,372.02	265.65	31.87	-101.55	-504.48	1,838.64	9,836.55	9,767.63	68.92	142.728		
16,400.00	7,256.21	7,383.00	7,372.02	268.47	31.87	-101.55	-504.48	1,838.64	9,936.13	9,867.12	69.01	143.983		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - POP I #14-17 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-163.10	-3,397.13	-1,032.16	3,550.56					
100.00	100.00	75.00	75.00	3.28	3.53	-163.10	-3,397.13	-1,032.16	3,550.48	3,543.66	6.82	520.879		
200.00	200.00	175.00	175.00	3.34	5.46	-163.10	-3,397.13	-1,032.16	3,550.48	3,541.68	8.80	403.645		
300.00	299.98	274.98	274.98	3.44	8.51	106.21	-3,397.13	-1,032.16	3,550.96	3,539.01	11.95	297.055		
400.00	399.84	374.84	374.84	3.60	11.80	106.26	-3,397.13	-1,032.16	3,552.43	3,537.03	15.40	230.641		
500.00	499.45	474.45	474.45	3.81	15.18	106.35	-3,397.13	-1,032.16	3,554.88	3,535.91	18.98	187.327		
600.00	598.70	573.70	573.70	4.05	18.57	106.47	-3,397.13	-1,032.16	3,558.35	3,535.73	22.62	157.298		
700.00	697.47	672.47	672.47	4.34	21.98	106.62	-3,397.13	-1,032.16	3,562.86	3,536.54	26.31	135.411		
800.00	795.62	770.62	770.62	4.66	25.37	106.80	-3,397.13	-1,032.16	3,568.44	3,538.41	30.03	118.824		
849.22	843.68	818.68	818.68	4.84	27.03	106.90	-3,397.13	-1,032.16	3,571.59	3,539.72	31.87	112.068		
900.00	893.16	868.16	868.16	5.02	28.75	107.07	-3,397.13	-1,032.16	3,575.01	3,541.23	33.77	105.854		
1,000.00	990.60	965.60	965.60	5.41	32.13	107.41	-3,397.13	-1,032.16	3,581.82	3,544.28	37.54	95.403		
1,100.00	1,088.05	1,063.05	1,063.05	5.83	35.52	107.74	-3,397.13	-1,032.16	3,588.77	3,547.43	41.34	86.811		
1,200.00	1,185.49	1,160.49	1,160.49	6.26	38.91	108.08	-3,397.13	-1,032.16	3,595.84	3,550.69	45.16	79.632		
1,300.00	1,282.93	1,257.93	1,257.93	6.70	42.30	108.41	-3,397.13	-1,032.16	3,603.04	3,554.05	48.99	73.551		
1,400.00	1,380.37	1,355.37	1,355.37	7.15	45.69	108.74	-3,397.13	-1,032.16	3,610.37	3,557.53	52.83	68.338		
1,500.00	1,477.82	1,452.82	1,452.82	7.62	49.08	109.07	-3,397.13	-1,032.16	3,617.81	3,561.13	56.69	63.823		
1,600.00	1,575.26	1,550.26	1,550.26	8.09	52.48	109.40	-3,397.13	-1,032.16	3,625.39	3,564.84	60.55	59.877		
1,700.00	1,672.70	1,647.70	1,647.70	8.57	55.87	109.72	-3,397.13	-1,032.16	3,633.08	3,568.67	64.42	56.399		
1,800.00	1,770.15	1,745.15	1,745.15	9.05	59.27	110.05	-3,397.13	-1,032.16	3,640.90	3,572.61	68.29	53.314		
1,900.00	1,867.59	1,842.59	1,842.59	9.54	62.67	110.37	-3,397.13	-1,032.16	3,648.84	3,576.67	72.17	50.557		
2,000.00	1,965.03	1,940.03	1,940.03	10.03	66.06	110.69	-3,397.13	-1,032.16	3,656.90	3,580.85	76.06	48.082		
2,100.00	2,062.48	2,037.48	2,037.48	10.53	69.46	111.02	-3,397.13	-1,032.16	3,665.09	3,585.14	79.94	45.846		
2,200.00	2,159.92	2,134.92	2,134.92	11.03	72.86	111.34	-3,397.13	-1,032.16	3,673.39	3,589.55	83.83	43.817		
2,300.00	2,257.36	2,232.36	2,232.36	11.53	76.26	111.65	-3,397.13	-1,032.16	3,681.80	3,594.08	87.73	41.969		
2,400.00	2,354.81	2,329.81	2,329.81	12.03	79.66	111.97	-3,397.13	-1,032.16	3,690.34	3,598.72	91.62	40.278		
2,500.00	2,452.25	2,427.25	2,427.25	12.54	83.05	112.29	-3,397.13	-1,032.16	3,698.99	3,603.48	95.52	38.725		
2,600.00	2,549.69	2,524.69	2,524.69	13.04	86.45	112.60	-3,397.13	-1,032.16	3,707.76	3,608.35	99.42	37.295		
2,700.00	2,647.13	2,622.13	2,622.13	13.55	89.85	112.91	-3,397.13	-1,032.16	3,716.65	3,613.33	103.32	35.974		
2,800.00	2,744.58	2,719.58	2,719.58	14.06	93.25	113.22	-3,397.13	-1,032.16	3,725.65	3,618.43	107.22	34.749		
2,900.00	2,842.02	2,817.02	2,817.02	14.57	96.65	113.53	-3,397.13	-1,032.16	3,734.76	3,623.64	111.12	33.611		
3,000.00	2,939.46	2,914.46	2,914.46	15.09	100.05	113.84	-3,397.13	-1,032.16	3,743.98	3,628.96	115.02	32.550		
3,100.00	3,036.91	3,011.91	3,011.91	15.60	103.45	114.15	-3,397.13	-1,032.16	3,753.32	3,634.40	118.92	31.561		
3,200.00	3,134.35	3,109.35	3,109.35	16.11	106.85	114.46	-3,397.13	-1,032.16	3,762.77	3,639.94	122.83	30.634		
3,300.00	3,231.79	3,206.79	3,206.79	16.63	110.25	114.76	-3,397.13	-1,032.16	3,772.32	3,645.59	126.73	29.766		
3,400.00	3,329.24	3,304.24	3,304.24	17.14	113.65	115.06	-3,397.13	-1,032.16	3,781.99	3,651.36	130.64	28.950		
3,500.00	3,426.68	3,401.68	3,401.68	17.66	117.05	115.36	-3,397.13	-1,032.16	3,791.77	3,657.23	134.54	28.183		
3,600.00	3,524.12	3,500.88	3,499.12	18.18	120.52	115.66	-3,397.13	-1,032.16	3,801.65	3,663.14	138.51	27.447		
3,700.00	3,621.57	3,603.43	3,596.57	18.69	124.09	115.96	-3,397.13	-1,032.16	3,811.64	3,669.05	142.59	26.731		
3,800.00	3,719.01	3,705.99	3,694.01	19.21	127.67	116.26	-3,397.13	-1,032.16	3,821.74	3,675.06	146.68	26.056		
3,900.00	3,816.45	3,808.55	3,791.45	19.73	131.25	116.55	-3,397.13	-1,032.16	3,831.94	3,681.18	150.76	25.417		
4,000.00	3,913.90	3,888.90	3,888.90	20.25	134.06	116.85	-3,397.13	-1,032.16	3,842.24	3,688.17	154.07	24.938		
4,100.00	4,011.34	3,986.34	3,986.34	20.77	137.46	117.14	-3,397.13	-1,032.16	3,852.65	3,694.68	157.98	24.388		
4,200.00	4,108.78	4,083.78	4,083.78	21.29	140.86	117.43	-3,397.13	-1,032.16	3,863.16	3,701.28	161.88	23.864		
4,300.00	4,206.22	4,181.22	4,181.22	21.81	144.26	117.72	-3,397.13	-1,032.16	3,873.78	3,707.99	165.79	23.366		
4,400.00	4,303.67	4,278.67	4,278.67	22.33	147.66	118.01	-3,397.13	-1,032.16	3,884.49	3,714.80	169.69	22.891		
4,500.00	4,401.11	4,376.11	4,376.11	22.85	151.06	118.29	-3,397.13	-1,032.16	3,895.31	3,721.71	173.60	22.439		
4,600.00	4,498.55	4,473.55	4,473.55	23.37	154.46	118.58	-3,397.13	-1,032.16	3,906.22	3,728.72	177.50	22.006		
4,700.00	4,596.00	4,571.00	4,571.00	23.89	157.86	118.86	-3,397.13	-1,032.16	3,917.23	3,735.82	181.41	21.593		
4,800.00	4,693.44	4,668.44	4,668.44	24.41	161.26	119.14	-3,397.13	-1,032.16	3,928.34	3,743.03	185.31	21.198		
4,900.00	4,790.88	4,765.88	4,765.88	24.93	164.66	119.42	-3,397.13	-1,032.16	3,939.55	3,750.33	189.22	20.820		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - POP I #14-17 - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,888.33	4,863.33	4,863.33	25.46	168.07	119.70	-3,397.13	-1,032.16	3,950.85	3,757.73	193.12	20.458			
5,100.00	4,985.77	4,960.77	4,960.77	25.98	171.47	119.98	-3,397.13	-1,032.16	3,962.25	3,765.22	197.03	20.110			
5,200.00	5,083.21	5,058.21	5,058.21	26.50	174.87	120.25	-3,397.13	-1,032.16	3,973.74	3,772.81	200.93	19.777			
5,300.00	5,180.66	5,155.66	5,155.66	27.02	178.27	120.53	-3,397.13	-1,032.16	3,985.33	3,780.49	204.84	19.456			
5,400.00	5,278.10	5,253.10	5,253.10	27.55	181.67	120.80	-3,397.13	-1,032.16	3,997.01	3,788.27	208.74	19.148			
5,500.00	5,375.54	5,350.54	5,350.54	28.07	185.07	121.07	-3,397.13	-1,032.16	4,008.78	3,796.13	212.64	18.852			
5,582.90	5,456.32	5,431.32	5,431.32	28.50	187.89	121.29	-3,397.13	-1,032.16	4,018.60	3,802.72	215.88	18.615			
5,600.00	5,473.00	5,448.00	5,448.00	28.59	188.47	121.37	-3,397.13	-1,032.16	4,020.61	3,804.07	216.55	18.567			
5,700.00	5,570.93	5,545.93	5,545.93	29.10	191.89	121.80	-3,397.13	-1,032.16	4,031.34	3,810.89	220.45	18.287			
5,800.00	5,669.52	5,644.52	5,644.52	29.57	195.33	122.15	-3,397.13	-1,032.16	4,040.30	3,815.94	224.36	18.008			
5,900.00	5,768.62	5,743.62	5,743.62	30.03	198.79	122.43	-3,397.13	-1,032.16	4,047.45	3,819.19	228.26	17.732			
6,000.00	5,868.13	5,843.13	5,843.13	30.45	202.27	122.63	-3,397.13	-1,032.16	4,052.76	3,820.60	232.16	17.457			
6,100.00	5,967.93	5,942.93	5,942.93	30.86	205.75	122.77	-3,397.13	-1,032.16	4,056.20	3,820.14	236.05	17.183			
6,200.00	6,067.88	6,042.88	6,042.88	31.24	209.24	122.83	-3,397.13	-1,032.16	4,057.75	3,817.82	239.93	16.912			
6,232.12	6,100.00	6,075.00	6,075.00	31.36	210.36	-146.46	-3,397.13	-1,032.16	4,057.85	3,816.67	241.17	16.825			
6,300.00	6,167.88	6,142.88	6,142.88	31.61	212.73	-146.46	-3,397.13	-1,032.16	4,057.85	3,814.06	243.79	16.645			
6,400.00	6,267.88	6,242.88	6,242.88	31.97	216.22	-146.46	-3,397.13	-1,032.16	4,057.85	3,810.20	247.65	16.386			
6,500.00	6,367.88	6,342.88	6,342.88	32.34	219.71	-146.46	-3,397.13	-1,032.16	4,057.85	3,806.34	251.50	16.134			
6,600.00	6,467.88	6,442.88	6,442.88	32.70	223.20	-146.46	-3,397.13	-1,032.16	4,057.85	3,802.48	255.36	15.891			
6,700.00	6,567.88	6,542.88	6,542.88	33.07	226.69	-146.46	-3,397.13	-1,032.16	4,057.85	3,798.62	259.22	15.654			
6,736.50	6,604.38	6,579.38	6,579.38	33.21	227.96	-146.46	-3,397.13	-1,032.16	4,057.85	3,797.21	260.63	15.569			
6,750.00	6,617.88	6,607.12	6,592.88	33.25	228.93	-59.37	-3,397.13	-1,032.16	4,057.77	3,796.12	261.65	15.508			
6,800.00	6,667.77	6,642.77	6,642.77	33.43	230.18	-59.53	-3,397.13	-1,032.16	4,056.23	3,793.17	263.07	15.419			
6,850.00	6,717.28	6,707.72	6,692.28	33.60	232.44	-59.89	-3,397.13	-1,032.16	4,052.71	3,787.21	265.51	15.264			
6,900.00	6,766.09	6,741.09	6,741.09	33.79	233.61	-60.45	-3,397.13	-1,032.16	4,047.25	3,780.40	266.85	15.167			
6,950.00	6,813.90	6,788.90	6,788.90	33.99	235.28	-61.20	-3,397.13	-1,032.16	4,039.89	3,771.18	268.70	15.035			
7,000.00	6,860.42	6,835.42	6,835.42	34.20	236.90	-62.16	-3,397.13	-1,032.16	4,030.72	3,760.19	270.52	14.900			
7,050.00	6,905.36	6,880.36	6,880.36	34.42	238.47	-63.31	-3,397.13	-1,032.16	4,019.83	3,747.53	272.30	14.763			
7,100.00	6,948.45	6,923.45	6,923.45	34.67	239.97	-64.64	-3,397.13	-1,032.16	4,007.33	3,733.30	274.02	14.624			
7,150.00	6,989.41	6,964.41	6,964.41	34.94	241.40	-66.15	-3,397.13	-1,032.16	3,993.35	3,717.65	275.69	14.485			
7,200.00	7,028.00	7,003.00	7,003.00	35.24	242.75	-67.83	-3,397.13	-1,032.16	3,978.02	3,700.72	277.30	14.346			
7,250.00	7,063.98	7,038.98	7,038.98	35.56	244.01	-69.65	-3,397.13	-1,032.16	3,961.51	3,682.67	278.84	14.207			
7,300.00	7,097.13	7,072.13	7,072.13	35.92	245.16	-71.60	-3,397.13	-1,032.16	3,943.97	3,663.65	280.32	14.070			
7,350.00	7,127.23	7,102.23	7,102.23	36.32	246.22	-73.66	-3,397.13	-1,032.16	3,925.57	3,643.85	281.72	13.934			
7,400.00	7,154.12	7,129.12	7,129.12	36.75	247.15	-75.80	-3,397.13	-1,032.16	3,906.49	3,623.44	283.05	13.802			
7,450.00	7,177.61	7,152.61	7,152.61	37.22	247.97	-77.99	-3,397.13	-1,032.16	3,886.90	3,602.60	284.29	13.672			
7,500.00	7,197.57	7,172.57	7,172.57	37.73	248.67	-80.19	-3,397.13	-1,032.16	3,866.97	3,581.52	285.46	13.546			
7,550.00	7,213.88	7,188.88	7,188.88	38.28	249.24	-82.39	-3,397.13	-1,032.16	3,846.90	3,560.36	286.54	13.425			
7,600.00	7,226.42	7,201.42	7,201.42	38.87	249.68	-84.55	-3,397.13	-1,032.16	3,826.84	3,539.31	287.53	13.310			
7,650.00	7,235.13	7,210.13	7,210.13	39.48	249.98	-86.63	-3,397.13	-1,032.16	3,806.95	3,518.53	288.42	13.199			
7,700.00	7,239.95	7,214.95	7,214.95	40.12	250.15	-88.62	-3,397.13	-1,032.16	3,787.39	3,498.19	289.20	13.096			
7,735.44	7,241.00	7,216.00	7,216.00	40.59	250.19	-89.96	-3,397.13	-1,032.16	3,773.81	3,484.12	289.69	13.027			
7,800.00	7,241.11	7,216.11	7,216.11	41.47	250.19	-89.96	-3,397.13	-1,032.16	3,749.78	3,459.21	290.57	12.905			
7,900.00	7,241.27	7,216.27	7,216.27	42.96	250.20	-89.97	-3,397.13	-1,032.16	3,714.48	3,422.41	292.07	12.718			
8,000.00	7,241.44	7,216.44	7,216.44	44.59	250.20	-89.97	-3,397.13	-1,032.16	3,681.55	3,387.82	293.73	12.534			
8,100.00	7,241.61	7,216.61	7,216.61	46.34	250.21	-89.97	-3,397.13	-1,032.16	3,651.06	3,355.53	295.54	12.354			
8,200.00	7,241.77	7,216.77	7,216.77	48.20	250.21	-89.97	-3,397.13	-1,032.16	3,623.08	3,325.61	297.48	12.179			
8,300.00	7,241.94	7,216.94	7,216.94	50.16	250.22	-89.98	-3,397.13	-1,032.16	3,597.67	3,298.13	299.53	12.011			
8,400.00	7,242.11	7,217.11	7,217.11	52.20	250.23	-89.98	-3,397.13	-1,032.16	3,574.87	3,273.17	301.69	11.849			
8,500.00	7,242.27	7,217.27	7,217.27	54.31	250.23	-89.98	-3,397.13	-1,032.16	3,554.73	3,250.80	303.94	11.696			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - POP I #14-17 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	7,217.44	7,217.44	56.49	250.24	-89.98	-3,397.13	-1,032.16	3,537.31	3,231.06	306.25	11.550		
8,700.00	7,242.60	7,217.60	7,217.60	58.73	250.24	-89.99	-3,397.13	-1,032.16	3,522.65	3,214.02	308.63	11.414		
8,800.00	7,242.77	7,217.77	7,217.77	61.03	250.25	-89.99	-3,397.13	-1,032.16	3,510.77	3,199.72	311.05	11.287		
8,900.00	7,242.94	7,217.94	7,217.94	63.37	250.25	-89.99	-3,397.13	-1,032.16	3,501.71	3,188.22	313.50	11.170		
9,000.00	7,243.10	7,218.10	7,218.10	65.75	250.26	-90.00	-3,397.13	-1,032.16	3,495.49	3,179.53	315.96	11.063		
9,100.00	7,243.27	7,218.27	7,218.27	68.18	250.27	-90.00	-3,397.13	-1,032.16	3,492.12	3,173.69	318.43	10.967		
9,167.68	7,243.38	7,218.38	7,218.38	69.84	250.27	-90.00	-3,397.13	-1,032.16	3,491.47	3,171.36	320.11	10.907 CC		
9,200.00	7,243.44	7,218.44	7,218.44	70.63	250.27	-90.00	-3,397.13	-1,032.16	3,491.62	3,170.72	320.90	10.881		
9,300.00	7,243.60	7,218.60	7,218.60	73.12	250.28	-90.00	-3,397.13	-1,032.16	3,493.97	3,170.62	323.35	10.806 ES		
9,400.00	7,243.77	7,218.77	7,218.77	75.63	250.28	-90.01	-3,397.13	-1,032.16	3,499.19	3,173.42	325.77	10.741		
9,500.00	7,243.94	7,218.94	7,218.94	78.17	250.29	-90.01	-3,397.13	-1,032.16	3,507.25	3,179.09	328.16	10.688		
9,600.00	7,244.10	7,219.10	7,219.10	80.73	250.30	-90.01	-3,397.13	-1,032.16	3,518.13	3,187.63	330.50	10.645		
9,700.00	7,244.27	7,219.27	7,219.27	83.31	250.30	-90.01	-3,397.13	-1,032.16	3,531.81	3,199.03	332.79	10.613		
9,800.00	7,244.44	7,219.44	7,219.44	85.91	250.31	-90.02	-3,397.13	-1,032.16	3,548.26	3,213.25	335.02	10.591		
9,900.00	7,244.60	7,219.60	7,219.60	88.53	250.31	-90.02	-3,397.13	-1,032.16	3,567.44	3,230.26	337.18	10.580		
10,000.00	7,244.77	7,219.77	7,219.77	91.16	250.32	-90.02	-3,397.13	-1,032.16	3,589.30	3,250.02	339.28	10.579 SF		
10,100.00	7,244.94	7,219.94	7,219.94	93.81	250.32	-90.03	-3,397.13	-1,032.16	3,613.80	3,272.49	341.31	10.588		
10,200.00	7,245.10	7,220.10	7,220.10	96.46	250.33	-90.03	-3,397.13	-1,032.16	3,640.88	3,297.62	343.26	10.607		
10,300.00	7,245.27	7,220.27	7,220.27	99.14	250.34	-90.03	-3,397.13	-1,032.16	3,670.49	3,325.36	345.13	10.635		
10,400.00	7,245.43	7,220.43	7,220.43	101.82	250.34	-90.03	-3,397.13	-1,032.16	3,702.56	3,355.64	346.92	10.673		
10,500.00	7,245.60	7,220.60	7,220.60	104.51	250.35	-90.04	-3,397.13	-1,032.16	3,737.03	3,388.40	348.63	10.719		
10,600.00	7,245.77	7,220.77	7,220.77	107.21	250.35	-90.04	-3,397.13	-1,032.16	3,773.84	3,423.58	350.26	10.774		
10,700.00	7,245.93	7,220.93	7,220.93	109.92	250.36	-90.04	-3,397.13	-1,032.16	3,812.92	3,461.10	351.81	10.838		
10,800.00	7,246.10	7,221.10	7,221.10	112.64	250.37	-90.04	-3,397.13	-1,032.16	3,854.19	3,500.91	353.28	10.910		
10,900.00	7,246.27	7,221.27	7,221.27	115.37	250.37	-90.05	-3,397.13	-1,032.16	3,897.60	3,542.92	354.67	10.989		
11,000.00	7,246.43	7,221.43	7,221.43	118.10	250.38	-90.05	-3,397.13	-1,032.16	3,943.06	3,587.07	355.99	11.076		
11,100.00	7,246.60	7,221.60	7,221.60	120.84	250.38	-90.05	-3,397.13	-1,032.16	3,990.51	3,633.28	357.23	11.171		
11,200.00	7,246.77	7,221.77	7,221.77	123.58	250.39	-90.06	-3,397.13	-1,032.16	4,039.88	3,681.49	358.40	11.272		
11,300.00	7,246.93	7,221.93	7,221.93	126.34	250.39	-90.06	-3,397.13	-1,032.16	4,091.10	3,731.61	359.49	11.380		
11,340.34	7,247.00	7,222.00	7,222.00	127.45	250.40	-90.06	-3,397.13	-1,032.16	4,112.27	3,752.35	359.92	11.426		
11,400.00	7,247.10	7,222.10	7,222.10	129.09	250.40	-90.06	-3,397.13	-1,032.16	4,143.58	3,783.05	360.53	11.493		
11,500.00	7,247.27	7,222.27	7,222.27	131.84	250.41	-90.06	-3,397.13	-1,032.16	4,195.07	3,833.57	361.50	11.605		
11,586.15	7,247.43	7,222.43	7,222.43	134.20	250.41	-90.06	-3,397.13	-1,032.16	4,238.44	3,876.14	362.30	11.699		
11,600.00	7,247.45	7,222.45	7,222.45	134.57	250.41	-90.06	-3,397.13	-1,032.16	4,245.36	3,882.93	362.42	11.714		
11,700.00	7,247.64	7,222.64	7,222.64	137.31	250.42	-90.06	-3,397.13	-1,032.16	4,296.28	3,932.99	363.29	11.826		
11,800.00	7,247.82	7,222.82	7,222.82	140.05	250.43	-90.07	-3,397.13	-1,032.16	4,348.90	3,984.81	364.10	11.944		
11,900.00	7,248.00	7,223.00	7,223.00	142.79	250.43	-90.07	-3,397.13	-1,032.16	4,403.17	4,038.33	364.84	12.069		
12,000.00	7,248.18	7,223.18	7,223.18	145.53	250.44	-90.07	-3,397.13	-1,032.16	4,459.02	4,093.48	365.54	12.198		
12,100.00	7,248.37	7,223.37	7,223.37	148.28	250.44	-90.07	-3,397.13	-1,032.16	4,516.40	4,150.21	366.18	12.334		
12,200.00	7,248.55	7,223.55	7,223.55	151.04	250.45	-90.08	-3,397.13	-1,032.16	4,575.24	4,208.46	366.78	12.474		
12,300.00	7,248.73	7,223.73	7,223.73	153.80	250.46	-90.08	-3,397.13	-1,032.16	4,635.49	4,268.16	367.33	12.619		
12,400.00	7,248.91	7,223.91	7,223.91	156.56	250.46	-90.08	-3,397.13	-1,032.16	4,697.10	4,329.26	367.83	12.770		
12,500.00	7,249.10	7,224.10	7,224.10	159.32	250.47	-90.09	-3,397.13	-1,032.16	4,760.01	4,391.71	368.30	12.924		
12,600.00	7,249.28	7,224.28	7,224.28	162.09	250.48	-90.09	-3,397.13	-1,032.16	4,824.18	4,455.45	368.72	13.083		
12,700.00	7,249.46	7,224.46	7,224.46	164.86	250.48	-90.09	-3,397.13	-1,032.16	4,889.54	4,520.43	369.11	13.247		
12,800.00	7,249.64	7,224.64	7,224.64	167.63	250.49	-90.09	-3,397.13	-1,032.16	4,956.07	4,586.60	369.47	13.414		
12,900.00	7,249.83	7,224.83	7,224.83	170.40	250.50	-90.10	-3,397.13	-1,032.16	5,023.70	4,653.91	369.79	13.585		
13,000.00	7,250.01	7,225.01	7,225.01	173.18	250.50	-90.10	-3,397.13	-1,032.16	5,092.40	4,722.32	370.08	13.760		
13,100.00	7,250.19	7,225.19	7,225.19	175.96	250.51	-90.10	-3,397.13	-1,032.16	5,162.12	4,791.78	370.34	13.939		
13,200.00	7,250.37	7,225.37	7,225.37	178.74	250.51	-90.11	-3,397.13	-1,032.16	5,232.82	4,862.24	370.58	14.121		
13,300.00	7,250.56	7,225.56	7,225.56	181.52	250.52	-90.11	-3,397.13	-1,032.16	5,304.47	4,933.68	370.79	14.306		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - POP I #14-17 - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
13,400.00	7,250.74	7,225.74	7,225.74	184.31	250.53	-90.11	-3,397.13	-1,032.16	5,377.02	5,006.04	370.98	14.494			
13,500.00	7,250.92	7,225.92	7,225.92	187.09	250.53	-90.11	-3,397.13	-1,032.16	5,450.44	5,079.30	371.14	14.685			
13,600.00	7,251.10	7,226.10	7,226.10	189.88	250.54	-90.12	-3,397.13	-1,032.16	5,524.70	5,153.41	371.29	14.880			
13,700.00	7,251.29	7,226.29	7,226.29	192.67	250.55	-90.12	-3,397.13	-1,032.16	5,599.75	5,228.33	371.42	15.077			
13,800.00	7,251.47	7,226.47	7,226.47	195.47	250.55	-90.12	-3,397.13	-1,032.16	5,675.58	5,304.05	371.53	15.276			
13,900.00	7,251.65	7,226.65	7,226.65	198.26	250.56	-90.13	-3,397.13	-1,032.16	5,752.14	5,380.52	371.63	15.478			
14,000.00	7,251.83	7,226.83	7,226.83	201.05	250.57	-90.13	-3,397.13	-1,032.16	5,829.42	5,457.71	371.71	15.683			
14,100.00	7,252.01	7,227.01	7,227.01	203.85	250.57	-90.13	-3,397.13	-1,032.16	5,907.38	5,535.60	371.77	15.890			
14,200.00	7,252.20	7,227.20	7,227.20	206.65	250.58	-90.13	-3,397.13	-1,032.16	5,985.99	5,614.16	371.82	16.099			
14,300.00	7,252.38	7,227.38	7,227.38	209.45	250.58	-90.14	-3,397.13	-1,032.16	6,065.23	5,693.36	371.87	16.310			
14,400.00	7,252.56	7,227.56	7,227.56	212.25	250.59	-90.14	-3,397.13	-1,032.16	6,145.08	5,773.18	371.90	16.524			
14,500.00	7,252.74	7,227.74	7,227.74	215.05	250.60	-90.14	-3,397.13	-1,032.16	6,225.51	5,853.59	371.92	16.739			
14,600.00	7,252.93	7,227.93	7,227.93	217.86	250.60	-90.15	-3,397.13	-1,032.16	6,306.50	5,934.57	371.93	16.956			
14,700.00	7,253.11	7,228.11	7,228.11	220.66	250.61	-90.15	-3,397.13	-1,032.16	6,388.02	6,016.09	371.93	17.175			
14,800.00	7,253.29	7,228.29	7,228.29	223.47	250.62	-90.15	-3,397.13	-1,032.16	6,470.07	6,098.14	371.93	17.396			
14,900.00	7,253.47	7,228.47	7,228.47	226.27	250.62	-90.15	-3,397.13	-1,032.16	6,552.62	6,180.70	371.91	17.619			
15,000.00	7,253.66	7,228.66	7,228.66	229.08	250.63	-90.16	-3,397.13	-1,032.16	6,635.64	6,263.75	371.89	17.843			
15,100.00	7,253.84	7,228.84	7,228.84	231.89	250.64	-90.16	-3,397.13	-1,032.16	6,719.13	6,347.26	371.87	18.068			
15,200.00	7,254.02	7,229.02	7,229.02	234.70	250.64	-90.16	-3,397.13	-1,032.16	6,803.06	6,431.22	371.84	18.296			
15,300.00	7,254.20	7,229.20	7,229.20	237.51	250.65	-90.17	-3,397.13	-1,032.16	6,887.42	6,515.62	371.80	18.524			
15,400.00	7,254.39	7,229.39	7,229.39	240.32	250.65	-90.17	-3,397.13	-1,032.16	6,972.20	6,600.44	371.76	18.754			
15,500.00	7,254.57	7,229.57	7,229.57	243.13	250.66	-90.17	-3,397.13	-1,032.16	7,057.37	6,685.65	371.72	18.986			
15,600.00	7,254.75	7,229.75	7,229.75	245.94	250.67	-90.17	-3,397.13	-1,032.16	7,142.93	6,771.26	371.67	19.218			
15,700.00	7,254.93	7,229.93	7,229.93	248.76	250.67	-90.18	-3,397.13	-1,032.16	7,228.86	6,857.24	371.62	19.452			
15,800.00	7,255.12	7,230.12	7,230.12	251.57	250.68	-90.18	-3,397.13	-1,032.16	7,315.15	6,943.58	371.57	19.687			
15,900.00	7,255.30	7,230.30	7,230.30	254.39	250.69	-90.18	-3,397.13	-1,032.16	7,401.78	7,030.27	371.51	19.924			
16,000.00	7,255.48	7,230.48	7,230.48	257.20	250.69	-90.19	-3,397.13	-1,032.16	7,488.75	7,117.30	371.45	20.161			
16,100.00	7,255.66	7,230.66	7,230.66	260.02	250.70	-90.19	-3,397.13	-1,032.16	7,576.03	7,204.65	371.39	20.399			
16,200.00	7,255.85	7,230.85	7,230.85	262.84	250.71	-90.19	-3,397.13	-1,032.16	7,663.63	7,292.31	371.32	20.639			
16,300.00	7,256.03	7,231.03	7,231.03	265.65	250.71	-90.19	-3,397.13	-1,032.16	7,751.53	7,380.27	371.26	20.879			
16,400.00	7,256.21	7,231.21	7,231.21	268.47	250.72	-90.20	-3,397.13	-1,032.16	7,839.72	7,468.53	371.19	21.120			
16,500.00	7,256.39	7,231.39	7,231.39	271.29	250.72	-90.20	-3,397.13	-1,032.16	7,928.18	7,557.06	371.12	21.363			
16,600.00	7,256.58	7,231.58	7,231.58	274.11	250.73	-90.20	-3,397.13	-1,032.16	8,016.92	7,645.87	371.05	21.606			
16,700.00	7,256.76	7,231.76	7,231.76	276.93	250.74	-90.21	-3,397.13	-1,032.16	8,105.93	7,734.94	370.98	21.850			
16,800.00	7,256.94	7,231.94	7,231.94	279.75	250.74	-90.21	-3,397.13	-1,032.16	8,195.18	7,824.27	370.91	22.095			
16,900.00	7,257.12	7,232.12	7,232.12	282.57	250.75	-90.21	-3,397.13	-1,032.16	8,284.68	7,913.84	370.84	22.340			
17,000.00	7,257.30	7,232.30	7,232.30	285.40	250.76	-90.21	-3,397.13	-1,032.16	8,374.42	8,003.65	370.77	22.587			
17,100.00	7,257.49	7,232.49	7,232.49	288.22	250.76	-90.22	-3,397.13	-1,032.16	8,464.39	8,093.69	370.70	22.834			
17,200.00	7,257.67	7,232.67	7,232.67	291.04	250.77	-90.22	-3,397.13	-1,032.16	8,554.58	8,183.95	370.63	23.081			
17,300.00	7,257.85	7,232.85	7,232.85	293.87	250.78	-90.22	-3,397.13	-1,032.16	8,644.99	8,274.43	370.55	23.330			
17,400.00	7,258.03	7,233.03	7,233.03	296.69	250.78	-90.23	-3,397.13	-1,032.16	8,735.60	8,365.12	370.48	23.579			
17,500.00	7,258.22	7,233.22	7,233.22	299.51	250.79	-90.23	-3,397.13	-1,032.16	8,826.42	8,456.01	370.41	23.829			
17,600.00	7,258.40	7,233.40	7,233.40	302.34	250.79	-90.23	-3,397.13	-1,032.16	8,917.44	8,547.10	370.34	24.079			
17,700.00	7,258.58	7,233.58	7,233.58	305.16	250.80	-90.23	-3,397.13	-1,032.16	9,008.64	8,638.37	370.27	24.330			
17,800.00	7,258.76	7,233.76	7,233.76	307.99	250.81	-90.24	-3,397.13	-1,032.16	9,100.03	8,729.84	370.20	24.582			
17,900.00	7,258.95	7,233.95	7,233.95	310.82	250.81	-90.24	-3,397.13	-1,032.16	9,191.60	8,821.48	370.13	24.834			
18,000.00	7,259.13	7,234.13	7,234.13	313.64	250.82	-90.24	-3,397.13	-1,032.16	9,283.34	8,913.29	370.06	25.086			
18,100.00	7,259.31	7,234.31	7,234.31	316.47	250.83	-90.25	-3,397.13	-1,032.16	9,375.26	9,005.27	369.99	25.339			
18,200.00	7,259.49	7,234.49	7,234.49	319.30	250.83	-90.25	-3,397.13	-1,032.16	9,467.33	9,097.42	369.92	25.593			
18,300.00	7,259.68	7,234.68	7,234.68	322.12	250.84	-90.25	-3,397.13	-1,032.16	9,559.57	9,189.72	369.85	25.847			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - POP I #14-17 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,234.86	7,234.86	324.95	250.85	-90.25	-3,397.13	-1,032.16	9,651.96	9,282.18	369.78	26.102		
18,500.00	7,260.04	7,235.04	7,235.04	327.78	250.85	-90.26	-3,397.13	-1,032.16	9,744.50	9,374.79	369.71	26.357		
18,600.00	7,260.22	7,235.22	7,235.22	330.61	250.86	-90.26	-3,397.13	-1,032.16	9,837.19	9,467.54	369.65	26.612		
18,700.00	7,260.41	7,235.41	7,235.41	333.44	250.86	-90.26	-3,397.13	-1,032.16	9,930.02	9,560.43	369.58	26.868		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	-4.00	3.28	3.28	-88.62	201.41	-8,361.21	8,363.63					
100.00	100.00	104.00	96.00	3.28	3.78	-88.62	201.41	-8,361.21	8,363.63	8,356.56	7.07	1,183.337		
200.00	200.00	204.00	196.00	3.34	6.30	-88.62	201.41	-8,361.21	8,363.63	8,354.00	9.63	868.069		
300.00	299.98	304.02	295.98	3.44	9.46	-179.33	201.41	-8,361.21	8,365.38	8,352.48	12.90	648.590		
400.00	399.84	404.16	395.84	3.60	12.79	-179.33	201.41	-8,361.21	8,370.61	8,354.22	16.39	510.667		
500.00	499.45	504.55	495.45	3.81	16.20	-179.33	201.41	-8,361.21	8,379.32	8,359.32	20.01	418.789		
600.00	598.70	605.30	594.70	4.05	19.66	-179.33	201.41	-8,361.21	8,391.51	8,367.80	23.71	353.900		
700.00	697.47	706.53	693.47	4.34	23.15	-179.32	201.41	-8,361.21	8,407.15	8,379.67	27.48	305.886		
800.00	795.62	808.38	791.62	4.66	26.68	-179.32	201.41	-8,361.21	8,426.23	8,394.91	31.32	269.039		
849.22	843.68	839.68	839.68	4.84	27.76	-179.32	201.41	-8,361.21	8,436.88	8,404.31	32.57	259.035		
900.00	893.16	889.16	889.16	5.02	29.48	-179.32	201.41	-8,361.21	8,448.28	8,413.83	34.46	245.185		
1,000.00	990.60	986.60	986.60	5.41	32.86	-179.32	201.41	-8,361.21	8,470.75	8,432.57	38.18	221.835		
1,100.00	1,088.05	1,084.05	1,084.05	5.83	36.25	-179.32	201.41	-8,361.21	8,493.22	8,451.28	41.93	202.536		
1,200.00	1,185.49	1,181.49	1,181.49	6.26	39.64	-179.33	201.41	-8,361.21	8,515.69	8,469.99	45.70	186.335		
1,300.00	1,282.93	1,278.93	1,278.93	6.70	43.03	-179.33	201.41	-8,361.21	8,538.15	8,488.67	49.48	172.552		
1,400.00	1,380.37	1,376.37	1,376.37	7.15	46.42	-179.33	201.41	-8,361.21	8,560.62	8,507.35	53.27	160.692		
1,500.00	1,477.82	1,473.82	1,473.82	7.62	49.81	-179.33	201.41	-8,361.21	8,583.09	8,526.01	57.08	150.382		
1,600.00	1,575.26	1,571.26	1,571.26	8.09	53.21	-179.33	201.41	-8,361.21	8,605.55	8,544.67	60.88	141.341		
1,700.00	1,672.70	1,668.70	1,668.70	8.57	56.60	-179.33	201.41	-8,361.21	8,628.02	8,563.32	64.70	133.352		
1,800.00	1,770.15	1,766.15	1,766.15	9.05	60.00	-179.34	201.41	-8,361.21	8,650.49	8,581.97	68.52	126.242		
1,900.00	1,867.59	1,863.59	1,863.59	9.54	63.40	-179.34	201.41	-8,361.21	8,672.96	8,600.61	72.35	119.875		
2,000.00	1,965.03	1,961.03	1,961.03	10.03	66.79	-179.34	201.41	-8,361.21	8,695.42	8,619.24	76.18	114.141		
2,100.00	2,062.48	2,058.48	2,058.48	10.53	70.19	-179.34	201.41	-8,361.21	8,717.89	8,637.87	80.02	108.952		
2,200.00	2,159.92	2,155.92	2,155.92	11.03	73.59	-179.34	201.41	-8,361.21	8,740.36	8,656.50	83.85	104.233		
2,300.00	2,257.36	2,253.36	2,253.36	11.53	76.99	-179.34	201.41	-8,361.21	8,762.83	8,675.13	87.69	99.924		
2,400.00	2,354.81	2,350.81	2,350.81	12.03	80.39	-179.35	201.41	-8,361.21	8,785.29	8,693.75	91.54	95.974		
2,500.00	2,452.25	2,448.25	2,448.25	12.54	83.79	-179.35	201.41	-8,361.21	8,807.76	8,712.38	95.38	92.341		
2,600.00	2,549.69	2,545.69	2,545.69	13.04	87.19	-179.35	201.41	-8,361.21	8,830.23	8,731.00	99.23	88.987		
2,700.00	2,647.13	2,643.13	2,643.13	13.55	90.59	-179.35	201.41	-8,361.21	8,852.69	8,749.62	103.08	85.882		
2,800.00	2,744.58	2,740.58	2,740.58	14.06	93.99	-179.35	201.41	-8,361.21	8,875.16	8,768.23	106.93	83.000		
2,900.00	2,842.02	2,838.02	2,838.02	14.57	97.39	-179.35	201.41	-8,361.21	8,897.63	8,786.85	110.78	80.317		
3,000.00	2,939.46	2,935.46	2,935.46	15.09	100.79	-179.36	201.41	-8,361.21	8,920.10	8,805.46	114.63	77.813		
3,100.00	3,036.91	3,032.91	3,032.91	15.60	104.19	-179.36	201.41	-8,361.21	8,942.56	8,824.07	118.49	75.472		
3,200.00	3,134.35	3,130.35	3,130.35	16.11	107.59	-179.36	201.41	-8,361.21	8,965.03	8,842.69	122.34	73.277		
3,300.00	3,231.79	3,227.79	3,227.79	16.63	110.99	-179.36	201.41	-8,361.21	8,987.50	8,861.30	126.20	71.216		
3,400.00	3,329.24	3,325.24	3,325.24	17.14	114.39	-179.36	201.41	-8,361.21	9,009.97	8,879.91	130.06	69.277		
3,500.00	3,426.68	3,422.68	3,422.68	17.66	117.79	-179.36	201.41	-8,361.21	9,032.43	8,898.52	133.92	67.449		
3,600.00	3,524.12	3,520.12	3,520.12	18.18	121.19	-179.37	201.41	-8,361.21	9,054.90	8,917.13	137.77	65.723		
3,700.00	3,621.57	3,617.57	3,617.57	18.69	124.59	-179.37	201.41	-8,361.21	9,077.37	8,935.73	141.63	64.091		
3,800.00	3,719.01	3,715.01	3,715.01	19.21	127.99	-179.37	201.41	-8,361.21	9,099.84	8,954.34	145.49	62.545		
3,900.00	3,816.45	3,812.45	3,812.45	19.73	131.39	-179.37	201.41	-8,361.21	9,122.30	8,972.95	149.35	61.079		
4,000.00	3,913.90	3,909.90	3,909.90	20.25	134.79	-179.37	201.41	-8,361.21	9,144.77	8,991.56	153.21	59.686		
4,100.00	4,011.34	4,007.34	4,007.34	20.77	138.19	-179.37	201.41	-8,361.21	9,167.24	9,010.16	157.08	58.362		
4,200.00	4,108.78	4,104.78	4,104.78	21.29	141.59	-179.37	201.41	-8,361.21	9,189.70	9,028.77	160.94	57.101		
4,300.00	4,206.22	4,202.22	4,202.22	21.81	144.99	-179.38	201.41	-8,361.21	9,212.17	9,047.37	164.80	55.899		
4,400.00	4,303.67	4,300.33	4,299.67	22.33	148.42	-179.38	201.41	-8,361.21	9,234.64	9,065.95	168.69	54.745		
4,500.00	4,401.11	4,402.89	4,397.11	22.85	152.00	-179.38	201.41	-8,361.21	9,257.11	9,084.38	172.73	53.594		
4,600.00	4,498.55	4,505.45	4,494.55	23.37	155.57	-179.38	201.41	-8,361.21	9,279.57	9,102.81	176.77	52.496		
4,700.00	4,596.00	4,608.00	4,592.00	23.89	159.15	-179.38	201.41	-8,361.21	9,302.04	9,121.23	180.81	51.446		
4,800.00	4,693.44	4,689.44	4,689.44	24.41	162.00	-179.38	201.41	-8,361.21	9,324.51	9,140.39	184.12	50.645		
4,900.00	4,790.88	4,786.88	4,786.88	24.93	165.40	-179.39	201.41	-8,361.21	9,346.98	9,159.00	187.98	49.723		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,888.33	4,884.33	4,884.33	25.46	168.80	-179.39	201.41	-8,361.21	9,369.44	9,177.60	191.85	48.839		
5,100.00	4,985.77	4,981.77	4,981.77	25.98	172.20	-179.39	201.41	-8,361.21	9,391.91	9,196.20	195.71	47.989		
5,200.00	5,083.21	5,079.21	5,079.21	26.50	175.60	-179.39	201.41	-8,361.21	9,414.38	9,214.80	199.57	47.172		
5,300.00	5,180.66	5,176.66	5,176.66	27.02	179.00	-179.39	201.41	-8,361.21	9,436.85	9,233.41	203.44	46.386		
5,400.00	5,278.10	5,274.10	5,274.10	27.55	182.40	-179.39	201.41	-8,361.21	9,459.31	9,252.01	207.31	45.630		
5,500.00	5,375.54	5,371.54	5,371.54	28.07	185.80	-179.39	201.41	-8,361.21	9,481.78	9,270.61	211.17	44.901		
5,582.90	5,456.32	5,452.32	5,452.32	28.50	188.62	-179.40	201.41	-8,361.21	9,500.41	9,286.03	214.38	44.316		
5,600.00	5,473.00	5,469.00	5,469.00	28.59	189.21	-179.40	201.41	-8,361.21	9,504.20	9,289.16	215.04	44.198		
5,700.00	5,570.93	5,566.93	5,566.93	29.10	192.62	-179.40	201.41	-8,361.21	9,524.38	9,305.46	218.91	43.507		
5,800.00	5,669.52	5,665.52	5,665.52	29.57	196.07	-179.41	201.41	-8,361.21	9,541.13	9,318.32	222.81	42.823		
5,900.00	5,768.62	5,764.62	5,764.62	30.03	199.52	-179.41	201.41	-8,361.21	9,554.42	9,327.72	226.71	42.145		
6,000.00	5,868.13	5,864.13	5,864.13	30.45	203.00	-179.41	201.41	-8,361.21	9,564.25	9,333.65	230.61	41.474		
6,100.00	5,967.93	5,963.93	5,963.93	30.86	206.48	-179.41	201.41	-8,361.21	9,570.61	9,336.09	234.51	40.811		
6,200.00	6,067.88	6,063.88	6,063.88	31.24	209.97	-179.41	201.41	-8,361.21	9,573.47	9,335.06	238.41	40.156		
6,232.12	6,100.00	6,104.00	6,096.00	31.36	211.37	-88.70	201.41	-8,361.21	9,573.65	9,333.72	239.93	39.901		
6,300.00	6,167.88	6,163.88	6,163.88	31.61	213.46	-88.70	201.41	-8,361.21	9,573.65	9,331.37	242.28	39.515		
6,400.00	6,267.88	6,263.88	6,263.88	31.97	216.95	-88.70	201.41	-8,361.21	9,573.65	9,327.50	246.15	38.893		
6,500.00	6,367.88	6,363.88	6,363.88	32.34	220.44	-88.70	201.41	-8,361.21	9,573.65	9,323.63	250.02	38.291		
6,600.00	6,467.88	6,463.88	6,463.88	32.70	223.93	-88.70	201.41	-8,361.21	9,573.65	9,319.75	253.90	37.707		
6,700.00	6,567.88	6,563.88	6,563.88	33.07	227.42	-88.70	201.41	-8,361.21	9,573.65	9,315.88	257.77	37.140		
6,736.50	6,604.38	6,600.38	6,600.38	33.21	228.70	-88.70	201.41	-8,361.21	9,573.65	9,314.46	259.19	36.937		
6,750.00	6,617.88	6,613.88	6,613.88	33.25	229.17	-1.61	201.41	-8,361.21	9,573.51	9,313.80	259.71	36.862		
6,800.00	6,667.77	6,663.77	6,663.77	33.43	230.91	-1.62	201.41	-8,361.21	9,570.49	9,308.87	261.62	36.581		
6,850.00	6,717.28	6,713.28	6,713.28	33.60	232.64	-1.64	201.41	-8,361.21	9,563.57	9,300.06	263.51	36.293		
6,900.00	6,766.09	6,762.09	6,762.09	33.79	234.34	-1.67	201.41	-8,361.21	9,552.78	9,287.43	265.35	36.000		
6,950.00	6,813.90	6,809.90	6,809.90	33.99	236.01	-1.71	201.41	-8,361.21	9,538.20	9,271.05	267.15	35.704		
7,000.00	6,860.42	6,856.42	6,856.42	34.20	237.64	-1.77	201.41	-8,361.21	9,519.92	9,251.04	268.88	35.406		
7,050.00	6,905.36	6,901.36	6,901.36	34.42	239.20	-1.84	201.41	-8,361.21	9,498.04	9,227.50	270.54	35.108		
7,100.00	6,948.45	6,944.45	6,944.45	34.67	240.71	-1.93	201.41	-8,361.21	9,472.71	9,200.59	272.12	34.811		
7,150.00	6,989.41	6,985.41	6,985.41	34.94	242.14	-2.05	201.41	-8,361.21	9,444.07	9,170.47	273.61	34.517		
7,200.00	7,028.00	7,024.00	7,024.00	35.24	243.49	-2.19	201.41	-8,361.21	9,412.31	9,137.32	275.00	34.227		
7,250.00	7,063.98	7,059.98	7,059.98	35.56	244.74	-2.38	201.41	-8,361.21	9,377.62	9,101.34	276.28	33.942		
7,300.00	7,097.13	7,106.87	7,093.13	35.92	246.38	-2.61	201.41	-8,361.21	9,340.22	9,062.28	277.94	33.606		
7,350.00	7,127.23	7,123.23	7,123.23	36.32	246.95	-2.91	201.41	-8,361.21	9,300.34	9,021.82	278.52	33.392		
7,400.00	7,154.12	7,150.12	7,150.12	36.75	247.89	-3.30	201.41	-8,361.21	9,258.21	8,978.76	279.45	33.130		
7,450.00	7,177.61	7,173.61	7,173.61	37.22	248.71	-3.84	201.41	-8,361.21	9,214.11	8,933.84	280.27	32.876		
7,500.00	7,197.57	7,206.43	7,193.57	37.73	249.85	-4.63	201.41	-8,361.21	9,168.30	8,886.90	281.40	32.581		
7,550.00	7,213.88	7,209.88	7,209.88	38.28	249.97	-5.84	201.41	-8,361.21	9,121.06	8,839.56	281.51	32.401		
7,600.00	7,226.42	7,222.42	7,222.42	38.87	250.41	-7.94	201.41	-8,361.21	9,072.70	8,790.77	281.93	32.181		
7,650.00	7,235.13	7,231.13	7,231.13	39.48	250.72	-12.42	201.41	-8,361.21	9,023.50	8,741.28	282.22	31.973		
7,700.00	7,239.95	7,235.95	7,235.95	40.12	250.88	-27.64	201.41	-8,361.21	8,973.77	8,691.38	282.38	31.779		
7,735.44	7,241.00	7,237.00	7,237.00	40.59	250.92	-86.84	201.41	-8,361.21	8,938.36	8,655.94	282.42	31.649		
7,800.00	7,241.11	7,237.11	7,237.11	41.47	250.92	-86.86	201.41	-8,361.21	8,873.83	8,591.41	282.42	31.420		
7,900.00	7,241.27	7,237.27	7,237.27	42.96	250.93	-86.90	201.41	-8,361.21	8,773.88	8,491.45	282.43	31.066		
8,000.00	7,241.44	7,237.44	7,237.44	44.59	250.94	-86.93	201.41	-8,361.21	8,673.93	8,391.49	282.44	30.711		
8,100.00	7,241.61	7,237.61	7,237.61	46.34	250.94	-86.97	201.41	-8,361.21	8,573.98	8,291.52	282.45	30.355		
8,200.00	7,241.77	7,237.77	7,237.77	48.20	250.95	-87.00	201.41	-8,361.21	8,474.03	8,191.56	282.46	30.000		
8,300.00	7,241.94	7,237.94	7,237.94	50.16	250.95	-87.04	201.41	-8,361.21	8,374.08	8,091.60	282.48	29.645		
8,400.00	7,242.11	7,238.11	7,238.11	52.20	250.96	-87.07	201.41	-8,361.21	8,274.13	7,991.63	282.50	29.289		
8,500.00	7,242.27	7,238.27	7,238.27	54.31	250.96	-87.11	201.41	-8,361.21	8,174.18	7,891.67	282.51	28.934		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,242.44	7,238.44	7,238.44	56.49	250.97	-87.14	201.41	-8,361.21	8,074.24	7,791.71	282.53	28.578		
8,700.00	7,242.60	7,238.60	7,238.60	58.73	250.98	-87.18	201.41	-8,361.21	7,974.29	7,691.74	282.55	28.222		
8,800.00	7,242.77	7,238.77	7,238.77	61.03	250.98	-87.21	201.41	-8,361.21	7,874.35	7,591.78	282.58	27.866		
8,900.00	7,242.94	7,238.94	7,238.94	63.37	250.99	-87.25	201.41	-8,361.21	7,774.41	7,491.81	282.60	27.510		
9,000.00	7,243.10	7,239.10	7,239.10	65.75	250.99	-87.28	201.41	-8,361.21	7,674.47	7,391.85	282.63	27.154		
9,100.00	7,243.27	7,239.27	7,239.27	68.18	251.00	-87.32	201.41	-8,361.21	7,574.53	7,291.88	282.65	26.798		
9,200.00	7,243.44	7,239.44	7,239.44	70.63	251.01	-87.35	201.41	-8,361.21	7,474.60	7,191.91	282.68	26.442		
9,300.00	7,243.60	7,239.60	7,239.60	73.12	251.01	-87.39	201.41	-8,361.21	7,374.66	7,091.95	282.72	26.085		
9,400.00	7,243.77	7,239.77	7,239.77	75.63	251.02	-87.43	201.41	-8,361.21	7,274.73	6,991.98	282.75	25.729		
9,500.00	7,243.94	7,239.94	7,239.94	78.17	251.02	-87.46	201.41	-8,361.21	7,174.80	6,892.02	282.79	25.372		
9,600.00	7,244.10	7,240.10	7,240.10	80.73	251.03	-87.50	201.41	-8,361.21	7,074.87	6,792.05	282.82	25.015		
9,700.00	7,244.27	7,240.27	7,240.27	83.31	251.03	-87.53	201.41	-8,361.21	6,974.95	6,692.08	282.86	24.658		
9,800.00	7,244.44	7,240.44	7,240.44	85.91	251.04	-87.57	201.41	-8,361.21	6,875.02	6,592.12	282.91	24.301		
9,900.00	7,244.60	7,240.60	7,240.60	88.53	251.05	-87.60	201.41	-8,361.21	6,775.10	6,492.15	282.95	23.944		
10,000.00	7,244.77	7,240.77	7,240.77	91.16	251.05	-87.64	201.41	-8,361.21	6,675.18	6,392.18	283.00	23.587		
10,100.00	7,244.94	7,240.94	7,240.94	93.81	251.06	-87.67	201.41	-8,361.21	6,575.26	6,292.21	283.05	23.230		
10,200.00	7,245.10	7,241.10	7,241.10	96.46	251.06	-87.71	201.41	-8,361.21	6,475.35	6,192.25	283.10	22.873		
10,300.00	7,245.27	7,241.27	7,241.27	99.14	251.07	-87.74	201.41	-8,361.21	6,375.44	6,092.28	283.16	22.516		
10,400.00	7,245.43	7,241.43	7,241.43	101.82	251.07	-87.78	201.41	-8,361.21	6,275.53	5,992.31	283.21	22.158		
10,500.00	7,245.60	7,241.60	7,241.60	104.51	251.08	-87.81	201.41	-8,361.21	6,175.62	5,892.35	283.27	21.801		
10,600.00	7,245.77	7,241.77	7,241.77	107.21	251.09	-87.85	201.41	-8,361.21	6,075.72	5,792.38	283.34	21.443		
10,700.00	7,245.93	7,241.93	7,241.93	109.92	251.09	-87.89	201.41	-8,361.21	5,975.82	5,692.41	283.41	21.086		
10,800.00	7,246.10	7,242.10	7,242.10	112.64	251.10	-87.92	201.41	-8,361.21	5,875.92	5,592.44	283.48	20.728		
10,900.00	7,246.27	7,242.27	7,242.27	115.37	251.10	-87.96	201.41	-8,361.21	5,776.03	5,492.48	283.55	20.370		
11,000.00	7,246.43	7,242.43	7,242.43	118.10	251.11	-87.99	201.41	-8,361.21	5,676.14	5,392.51	283.63	20.013		
11,100.00	7,246.60	7,242.60	7,242.60	120.84	251.12	-88.03	201.41	-8,361.21	5,576.25	5,292.54	283.71	19.655		
11,200.00	7,246.77	7,242.77	7,242.77	123.58	251.12	-88.06	201.41	-8,361.21	5,476.37	5,192.58	283.80	19.297		
11,300.00	7,246.93	7,242.93	7,242.93	126.34	251.13	-88.10	201.41	-8,361.21	5,376.50	5,092.61	283.89	18.939		
11,340.34	7,247.00	7,243.00	7,243.00	127.45	251.13	-88.11	201.41	-8,361.21	5,336.21	5,052.28	283.92	18.795		
11,400.00	7,247.10	7,243.10	7,243.10	129.09	251.13	-86.76	201.41	-8,361.21	5,276.60	4,992.62	283.97	18.581		
11,500.00	7,247.27	7,243.27	7,243.27	131.84	251.14	68.85	201.41	-8,361.21	5,176.61	4,892.57	284.03	18.225		
11,586.15	7,247.43	7,243.43	7,243.43	134.20	251.14	87.02	201.41	-8,361.21	5,090.48	4,806.43	284.06	17.921		
11,600.00	7,247.45	7,243.45	7,243.45	134.57	251.15	87.02	201.41	-8,361.21	5,076.64	4,792.58	284.06	17.872		
11,700.00	7,247.64	7,243.64	7,243.64	137.31	251.15	87.08	201.41	-8,361.21	4,976.70	4,692.63	284.07	17.519		
11,800.00	7,247.82	7,243.82	7,243.82	140.05	251.16	87.14	201.41	-8,361.21	4,876.77	4,592.68	284.09	17.166		
11,900.00	7,248.00	7,244.00	7,244.00	142.79	251.16	87.20	201.41	-8,361.21	4,776.83	4,492.73	284.10	16.814		
12,000.00	7,248.18	7,244.18	7,244.18	145.53	251.17	87.26	201.41	-8,361.21	4,676.91	4,392.79	284.12	16.461		
12,100.00	7,248.37	7,244.37	7,244.37	148.28	251.18	87.32	201.41	-8,361.21	4,576.98	4,292.85	284.13	16.109		
12,200.00	7,248.55	7,244.55	7,244.55	151.04	251.18	87.38	201.41	-8,361.21	4,477.06	4,192.91	284.15	15.756		
12,300.00	7,248.73	7,244.73	7,244.73	153.80	251.19	87.43	201.41	-8,361.21	4,377.14	4,092.97	284.17	15.403		
12,400.00	7,248.91	7,244.91	7,244.91	156.56	251.20	87.49	201.41	-8,361.21	4,277.22	3,993.03	284.19	15.050		
12,500.00	7,249.10	7,245.10	7,245.10	159.32	251.20	87.55	201.41	-8,361.21	4,177.31	3,893.10	284.21	14.698		
12,600.00	7,249.28	7,245.28	7,245.28	162.09	251.21	87.61	201.41	-8,361.21	4,077.41	3,793.17	284.24	14.345		
12,700.00	7,249.46	7,245.46	7,245.46	164.86	251.22	87.67	201.41	-8,361.21	3,977.50	3,693.24	284.26	13.992		
12,800.00	7,249.64	7,245.64	7,245.64	167.63	251.22	87.73	201.41	-8,361.21	3,877.61	3,593.31	284.29	13.639		
12,900.00	7,249.83	7,245.83	7,245.83	170.40	251.23	87.79	201.41	-8,361.21	3,777.71	3,493.39	284.32	13.287		
13,000.00	7,250.01	7,246.01	7,246.01	173.18	251.23	87.84	201.41	-8,361.21	3,677.83	3,393.47	284.36	12.934		
13,100.00	7,250.19	7,246.19	7,246.19	175.96	251.24	87.90	201.41	-8,361.21	3,577.95	3,293.55	284.40	12.581		
13,200.00	7,250.37	7,246.37	7,246.37	178.74	251.25	87.96	201.41	-8,361.21	3,478.08	3,193.64	284.44	12.228		
13,300.00	7,250.56	7,246.56	7,246.56	181.52	251.25	88.02	201.41	-8,361.21	3,378.21	3,093.73	284.48	11.875		
13,400.00	7,250.74	7,246.74	7,246.74	184.31	251.26	88.08	201.41	-8,361.21	3,278.36	2,993.82	284.54	11.522		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,500.00	7,250.92	7,246.92	7,246.92	187.09	251.27	88.14	201.41	-8,361.21	3,178.51	2,893.91	284.59	11.169		
13,600.00	7,251.10	7,247.10	7,247.10	189.88	251.27	88.20	201.41	-8,361.21	3,078.67	2,794.01	284.66	10.815		
13,700.00	7,251.29	7,247.29	7,247.29	192.67	251.28	88.25	201.41	-8,361.21	2,978.84	2,694.11	284.73	10.462		
13,800.00	7,251.47	7,247.47	7,247.47	195.47	251.29	88.31	201.41	-8,361.21	2,879.03	2,594.21	284.82	10.108		
13,900.00	7,251.65	7,247.65	7,247.65	198.26	251.29	88.37	201.41	-8,361.21	2,779.23	2,494.31	284.92	9.754		
14,000.00	7,251.83	7,247.83	7,247.83	201.05	251.30	88.43	201.41	-8,361.21	2,679.44	2,394.41	285.03	9.401		
14,100.00	7,252.01	7,248.01	7,248.01	203.85	251.30	88.49	201.41	-8,361.21	2,579.67	2,294.51	285.16	9.046		
14,200.00	7,252.20	7,248.20	7,248.20	206.65	251.31	88.55	201.41	-8,361.21	2,479.92	2,194.60	285.32	8.692		
14,300.00	7,252.38	7,248.38	7,248.38	209.45	251.32	88.61	201.41	-8,361.21	2,380.19	2,094.69	285.49	8.337		
14,400.00	7,252.56	7,248.56	7,248.56	212.25	251.32	88.67	201.41	-8,361.21	2,280.48	1,994.77	285.70	7.982		
14,500.00	7,252.74	7,248.74	7,248.74	215.05	251.33	88.72	201.41	-8,361.21	2,180.80	1,894.84	285.95	7.626		
14,600.00	7,252.93	7,248.93	7,248.93	217.86	251.34	88.78	201.41	-8,361.21	2,081.15	1,794.90	286.25	7.270		
14,700.00	7,253.11	7,249.11	7,249.11	220.66	251.34	88.84	201.41	-8,361.21	1,981.53	1,694.93	286.61	6.914		
14,800.00	7,253.29	7,249.29	7,249.29	223.47	251.35	88.90	201.41	-8,361.21	1,881.96	1,594.93	287.03	6.557		
14,900.00	7,253.47	7,249.47	7,249.47	226.27	251.36	88.96	201.41	-8,361.21	1,782.43	1,494.88	287.55	6.199		
15,000.00	7,253.66	7,249.66	7,249.66	229.08	251.36	89.02	201.41	-8,361.21	1,682.96	1,394.78	288.18	5.840		
15,100.00	7,253.84	7,249.84	7,249.84	231.89	251.37	89.08	201.41	-8,361.21	1,583.56	1,294.61	288.95	5.480		
15,200.00	7,254.02	7,250.02	7,250.02	234.70	251.37	89.13	201.41	-8,361.21	1,484.24	1,194.33	289.90	5.120		
15,300.00	7,254.20	7,250.20	7,250.20	237.51	251.38	89.19	201.41	-8,361.21	1,385.01	1,093.93	291.08	4.758		
15,400.00	7,254.39	7,250.39	7,250.39	240.32	251.39	89.25	201.41	-8,361.21	1,285.90	993.34	292.57	4.395		
15,500.00	7,254.57	7,250.57	7,250.57	243.13	251.39	89.31	201.41	-8,361.21	1,186.95	892.51	294.44	4.031		
15,600.00	7,254.75	7,250.75	7,250.75	245.94	251.40	89.37	201.41	-8,361.21	1,088.18	791.36	296.82	3.666		
15,700.00	7,254.93	7,250.93	7,250.93	248.76	251.41	89.43	201.41	-8,361.21	989.66	689.76	299.90	3.300		
15,800.00	7,255.12	7,251.12	7,251.12	251.57	251.41	89.49	201.41	-8,361.21	891.48	587.56	303.91	2.933		
15,900.00	7,255.30	7,251.30	7,251.30	254.39	251.42	89.55	201.41	-8,361.21	793.74	484.52	309.23	2.567		
16,000.00	7,255.48	7,251.48	7,251.48	257.20	251.43	89.60	201.41	-8,361.21	696.65	380.27	316.39	2.202		
16,100.00	7,255.66	7,251.66	7,251.66	260.02	251.43	89.66	201.41	-8,361.21	600.52	274.26	326.25	1.841		
16,200.00	7,255.85	7,251.85	7,251.85	262.84	251.44	89.72	201.41	-8,361.21	505.88	165.64	340.24	1.487 Level 3		
16,300.00	7,256.03	7,252.03	7,252.03	265.65	251.44	89.78	201.41	-8,361.21	413.78	53.00	360.77	1.147 Level 2		
16,400.00	7,256.21	7,252.21	7,252.21	268.47	251.45	89.84	201.41	-8,361.21	326.35	-65.65	392.00	0.833 Level 1		
16,500.00	7,256.39	7,252.39	7,252.39	271.29	251.46	89.90	201.41	-8,361.21	248.60	-191.15	439.75	0.565 Level 1		
16,600.00	7,256.58	7,252.58	7,252.58	274.11	251.46	89.96	201.41	-8,361.21	192.60	-308.30	500.91	0.385 Level 1		
16,673.52	7,256.71	7,252.71	7,252.71	276.19	251.47	90.00	201.41	-8,361.21	178.02	-349.43	527.44	0.338 Level 1, CC, ES, SF		
16,700.00	7,256.76	7,252.76	7,252.76	276.93	251.47	90.02	201.41	-8,361.21	179.98	-346.83	526.81	0.342 Level 1		
16,800.00	7,256.94	7,252.94	7,252.94	279.75	251.48	90.07	201.41	-8,361.21	218.37	-268.12	486.49	0.449 Level 1		
16,900.00	7,257.12	7,253.12	7,253.12	282.57	251.48	90.13	201.41	-8,361.21	288.07	-148.52	436.58	0.660 Level 1		
17,000.00	7,257.30	7,253.30	7,253.30	285.40	251.49	90.19	201.41	-8,361.21	371.86	-28.98	400.83	0.928 Level 1		
17,100.00	7,257.49	7,253.49	7,253.49	288.22	251.50	90.25	201.41	-8,361.21	462.14	85.27	376.86	1.226 Level 2		
17,200.00	7,257.67	7,253.67	7,253.67	291.04	251.50	90.31	201.41	-8,361.21	555.76	195.37	360.39	1.542		
17,300.00	7,257.85	7,253.85	7,253.85	293.87	251.51	90.37	201.41	-8,361.21	651.28	302.66	348.62	1.868		
17,400.00	7,258.03	7,254.03	7,254.03	296.69	251.51	90.43	201.41	-8,361.21	747.97	408.06	339.91	2.200		
17,500.00	7,258.22	7,254.22	7,254.22	299.51	251.52	90.49	201.41	-8,361.21	845.43	512.16	333.27	2.537		
17,600.00	7,258.40	7,254.40	7,254.40	302.34	251.53	90.54	201.41	-8,361.21	943.42	615.34	328.08	2.876		
17,700.00	7,258.58	7,254.58	7,254.58	305.16	251.53	90.60	201.41	-8,361.21	1,041.80	717.86	323.94	3.216		
17,800.00	7,258.76	7,254.76	7,254.76	307.99	251.54	90.66	201.41	-8,361.21	1,140.45	819.88	320.58	3.558		
17,900.00	7,258.95	7,254.95	7,254.95	310.82	251.55	90.72	201.41	-8,361.21	1,239.33	921.52	317.81	3.900		
18,000.00	7,259.13	7,255.13	7,255.13	313.64	251.55	90.78	201.41	-8,361.21	1,338.37	1,022.87	315.50	4.242		
18,100.00	7,259.31	7,255.31	7,255.31	316.47	251.56	90.84	201.41	-8,361.21	1,437.54	1,123.99	313.55	4.585		
18,200.00	7,259.49	7,255.49	7,255.49	319.30	251.57	90.90	201.41	-8,361.21	1,536.82	1,224.92	311.90	4.927		
18,300.00	7,259.68	7,255.68	7,255.68	322.12	251.57	90.95	201.41	-8,361.21	1,636.19	1,325.71	310.48	5.270		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,400.00	7,259.86	7,255.86	7,255.86	324.95	251.58	91.01	201.41	-8,361.21	1,735.63	1,426.38	309.25	5.612		
18,500.00	7,260.04	7,256.04	7,256.04	327.78	251.58	91.07	201.41	-8,361.21	1,835.13	1,526.94	308.18	5.955		
18,600.00	7,260.22	7,256.22	7,256.22	330.61	251.59	91.13	201.41	-8,361.21	1,934.68	1,627.43	307.25	6.297		
18,700.00	7,260.41	7,256.41	7,256.41	333.44	251.60	91.19	201.41	-8,361.21	2,034.28	1,727.84	306.44	6.638		
18,800.00	7,260.59	7,256.59	7,256.59	336.27	251.60	91.25	201.41	-8,361.21	2,133.91	1,828.19	305.72	6.980		
18,900.00	7,260.77	7,256.77	7,256.77	339.10	251.61	91.31	201.41	-8,361.21	2,233.58	1,928.50	305.08	7.321		
19,000.00	7,260.95	7,256.95	7,256.95	341.93	251.62	91.37	201.41	-8,361.21	2,333.27	2,028.76	304.52	7.662		
19,025.91	7,261.00	7,257.00	7,257.00	342.66	251.62	91.38	201.41	-8,361.21	2,359.11	2,054.73	304.38	7.751		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - SOUTHARD #2(PR) - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 100-GYRO-NS													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
0.00	0.00		0.00	3.28	3.28	33.31	1,456.87	957.43	1,743.54					
100.00	100.00	67.13	67.13	3.28	3.28	33.31	1,457.05	957.34	1,743.42	1,736.85	6.57	265.443		
200.00	200.00	171.92	171.91	3.34	3.32	33.28	1,457.69	956.83	1,743.68	1,737.02	6.66	261.857		
300.00	299.98	274.13	274.12	3.44	3.42	-57.52	1,457.93	956.25	1,742.61	1,735.75	6.86	254.000		
400.00	399.84	370.43	370.43	3.60	3.56	-57.71	1,457.99	956.08	1,739.77	1,732.61	7.15	243.199		
500.00	499.45	468.66	468.65	3.81	3.74	-58.04	1,458.27	955.92	1,735.27	1,727.73	7.54	230.165		
600.00	598.70	571.09	571.09	4.05	3.97	-58.50	1,458.43	955.86	1,728.92	1,720.91	8.01	215.713		
700.00	697.47	669.75	669.74	4.34	4.22	-59.08	1,458.37	955.85	1,720.68	1,712.13	8.55	201.172		
800.00	795.62	763.71	763.71	4.66	4.48	-59.77	1,458.49	955.80	1,710.93	1,701.79	9.14	187.168		
849.22	843.68	809.97	809.97	4.84	4.62	-60.16	1,458.65	955.81	1,705.66	1,696.20	9.45	180.461		
900.00	893.16	860.66	860.65	5.02	4.77	-60.49	1,458.78	955.89	1,700.05	1,690.26	9.79	173.612		
1,000.00	990.60	962.52	962.51	5.41	5.10	-61.16	1,458.82	956.13	1,689.04	1,678.54	10.50	160.840		
1,100.00	1,088.05	1,064.72	1,064.71	5.83	5.44	-61.85	1,458.63	956.18	1,677.96	1,666.71	11.25	149.178		
1,200.00	1,185.49	1,161.89	1,161.88	6.26	5.77	-62.51	1,458.27	956.17	1,666.94	1,654.93	12.01	138.822		
1,300.00	1,282.93	1,260.40	1,260.40	6.70	6.13	-63.19	1,457.98	956.20	1,656.22	1,643.42	12.80	129.429		
1,400.00	1,380.37	1,357.54	1,357.53	7.15	6.48	-63.86	1,457.51	956.31	1,645.62	1,632.02	13.60	120.996		
1,500.00	1,477.82	1,452.11	1,452.10	7.62	6.83	-64.52	1,457.18	956.50	1,635.40	1,620.99	14.41	113.469		
1,600.00	1,575.26	1,549.30	1,549.29	8.09	7.20	-65.21	1,457.01	956.63	1,625.56	1,610.31	15.25	106.606		
1,700.00	1,672.70	1,647.12	1,647.11	8.57	7.57	-65.92	1,456.83	956.62	1,615.89	1,599.80	16.10	100.377		
1,800.00	1,770.15	1,745.80	1,745.79	9.05	7.96	-66.64	1,456.63	956.73	1,606.52	1,589.55	16.96	94.713		
1,900.00	1,867.59	1,847.76	1,847.74	9.54	8.35	-67.38	1,456.14	956.90	1,597.17	1,579.32	17.85	89.495		
2,000.00	1,965.03	1,947.60	1,947.58	10.03	8.75	-68.12	1,455.46	956.91	1,587.85	1,569.11	18.73	84.768		
2,100.00	2,062.48	2,045.73	2,045.71	10.53	9.14	-68.86	1,454.76	956.85	1,578.72	1,559.11	19.62	80.475		
2,200.00	2,159.92	2,144.44	2,144.42	11.03	9.54	-69.62	1,454.05	956.64	1,569.82	1,549.31	20.51	76.533		
2,300.00	2,257.36	2,244.15	2,244.13	11.53	9.94	-70.40	1,453.36	956.03	1,561.08	1,539.66	21.41	72.897		
2,400.00	2,354.81	2,342.34	2,342.31	12.03	10.34	-71.19	1,452.62	955.20	1,552.49	1,530.17	22.32	69.564		
2,500.00	2,452.25	2,436.76	2,436.72	12.54	10.72	-71.96	1,451.99	954.35	1,544.27	1,521.06	23.21	66.533		
2,600.00	2,549.69	2,529.18	2,529.14	13.04	11.10	-72.72	1,451.64	953.53	1,536.63	1,512.53	24.10	63.760		
2,700.00	2,647.13	2,621.84	2,621.80	13.55	11.48	-73.50	1,451.60	952.70	1,529.62	1,504.63	24.99	61.202		
2,800.00	2,744.58	2,716.62	2,716.58	14.06	11.87	-74.29	1,451.76	951.98	1,523.17	1,497.27	25.90	58.819		
2,900.00	2,842.02	2,815.27	2,815.21	14.57	12.27	-75.13	1,451.93	951.25	1,517.06	1,490.24	26.82	56.573		
3,000.00	2,939.46	2,914.44	2,914.39	15.09	12.68	-75.97	1,452.01	950.57	1,511.21	1,483.47	27.74	54.478		
3,100.00	3,036.91	3,018.96	3,018.91	15.60	13.11	-76.86	1,451.67	949.92	1,505.31	1,476.63	28.69	52.476		
3,200.00	3,134.35	3,115.67	3,115.61	16.11	13.52	-77.69	1,451.17	949.29	1,499.57	1,469.96	29.60	50.653		
3,300.00	3,231.79	3,207.80	3,207.73	16.63	13.90	-78.49	1,450.88	948.60	1,494.33	1,463.82	30.51	48.981		
3,400.00	3,329.24	3,290.80	3,290.74	17.14	14.24	-79.22	1,451.20	947.97	1,490.10	1,458.73	31.38	47.491		
3,500.00	3,426.68	3,381.49	3,381.42	17.66	14.62	-80.01	1,452.20	947.45	1,486.93	1,454.66	32.27	46.074		
3,600.00	3,524.12	3,475.62	3,475.54	18.18	15.01	-80.84	1,453.49	947.14	1,484.42	1,451.24	33.18	44.734		
3,700.00	3,621.57	3,567.31	3,567.21	18.69	15.39	-81.64	1,454.97	946.91	1,482.51	1,448.43	34.08	43.497		
3,800.00	3,719.01	3,661.46	3,661.35	19.21	15.79	-82.46	1,456.81	946.95	1,481.30	1,446.31	34.99	42.330		
3,900.00	3,816.45	3,758.72	3,758.59	19.73	16.19	-83.31	1,458.81	946.86	1,480.53	1,444.61	35.92	41.220		
4,000.00	3,913.90	3,863.45	3,863.29	20.25	16.63	-84.24	1,460.79	946.70	1,479.94	1,443.06	36.87	40.134		
4,100.00	4,011.34	3,967.74	3,967.58	20.77	17.07	-85.17	1,462.16	946.08	1,479.08	1,441.25	37.83	39.099		
4,200.00	4,108.78	4,068.84	4,068.67	21.29	17.49	-86.08	1,463.18	945.27	1,478.28	1,439.51	38.77	38.129		
4,300.00	4,206.22	4,167.59	4,167.41	21.81	17.91	-86.97	1,463.98	944.54	1,477.66	1,437.96	39.70	37.219		
4,400.00	4,303.67	4,267.00	4,266.82	22.33	18.33	-87.86	1,464.69	943.98	1,477.32	1,436.68	40.64	36.355		
4,493.23	4,394.52	4,359.07	4,358.88	22.81	18.72	-88.68	1,465.22	943.37	1,477.19	1,435.69	41.50	35.592		
4,500.00	4,401.11	4,365.70	4,365.51	22.85	18.74	-88.74	1,465.25	943.33	1,477.19	1,435.62	41.57	35.539		
4,600.00	4,498.55	4,464.17	4,463.98	23.37	19.16	-89.62	1,465.74	942.79	1,477.36	1,434.86	42.49	34.766		
4,700.00	4,596.00	4,559.95	4,559.76	23.89	19.56	-90.47	1,466.19	942.43	1,477.85	1,434.44	43.41	34.043		
4,800.00	4,693.44	4,658.73	4,658.53	24.41	19.98	-91.34	1,466.76	942.01	1,478.81	1,434.47	44.34	33.352		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - SOUTHARD #2(PR) - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 100-GYRO-NS													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,900.00	4,790.88	4,762.62	4,762.42	24.93	20.42	-92.26	1,467.03	941.64	1,479.81	1,434.52	45.29	32.675		
5,000.00	4,888.33	4,865.20	4,865.01	25.46	20.85	-93.17	1,466.84	941.11	1,480.73	1,434.50	46.23	32.028		
5,100.00	4,985.77	4,967.37	4,967.18	25.98	21.28	-94.08	1,466.34	940.64	1,481.71	1,434.54	47.17	31.411		
5,200.00	5,083.21	5,071.28	5,071.07	26.50	21.72	-95.00	1,465.44	940.22	1,482.67	1,434.55	48.12	30.814		
5,300.00	5,180.66	5,165.97	5,165.76	27.02	22.12	-95.83	1,464.40	939.94	1,483.76	1,434.73	49.02	30.266		
5,400.00	5,278.10	5,269.18	5,268.97	27.55	22.56	-96.71	1,463.45	940.15	1,485.32	1,435.35	49.97	29.727		
5,500.00	5,375.54	5,365.63	5,365.41	28.07	22.97	-97.55	1,462.12	940.11	1,486.78	1,435.91	50.88	29.223		
5,582.90	5,456.32	5,445.24	5,445.02	28.50	23.30	-98.24	1,461.23	940.06	1,488.47	1,436.84	51.63	28.830		
5,600.00	5,473.00	5,462.37	5,462.14	28.59	23.38	-98.39	1,461.03	940.02	1,488.83	1,437.05	51.79	28.749		
5,700.00	5,570.93	5,559.36	5,559.12	29.10	23.79	-99.20	1,459.83	939.59	1,490.80	1,438.12	52.68	28.298		
5,800.00	5,669.52	5,657.78	5,657.53	29.57	24.20	-99.88	1,458.73	939.15	1,492.56	1,439.00	53.56	27.868		
5,900.00	5,768.62	5,756.30	5,756.05	30.03	24.62	-100.42	1,457.57	938.75	1,493.83	1,439.41	54.41	27.454		
6,000.00	5,868.13	5,854.53	5,854.27	30.45	25.04	-100.82	1,456.55	938.44	1,494.67	1,439.43	55.24	27.056		
6,100.00	5,967.93	5,952.38	5,952.11	30.86	25.45	-101.08	1,455.57	938.00	1,494.97	1,438.92	56.06	26.669		
6,200.00	6,067.88	6,046.91	6,046.64	31.24	25.85	-101.21	1,454.81	937.41	1,494.86	1,438.02	56.84	26.301		
6,232.12	6,100.00	6,076.62	6,076.35	31.36	25.98	-10.52	1,454.66	937.18	1,494.77	1,437.69	57.08	26.187		
6,300.00	6,167.88	6,143.90	6,143.62	31.61	26.27	-10.54	1,454.41	936.61	1,494.63	1,437.02	57.61	25.943		
6,400.00	6,267.88	6,244.41	6,244.13	31.97	26.69	-10.57	1,453.95	935.88	1,494.31	1,435.91	58.40	25.587		
6,500.00	6,367.88	6,341.19	6,340.91	32.34	27.10	-10.60	1,453.63	935.16	1,494.12	1,434.95	59.18	25.249		
6,524.67	6,392.55	6,364.82	6,364.54	32.43	27.21	-10.61	1,453.59	934.99	1,494.11	1,434.75	59.37	25.167		
6,600.00	6,467.88	6,439.18	6,438.89	32.70	27.52	-10.63	1,453.55	934.50	1,494.17	1,434.21	59.96	24.920		
6,700.00	6,567.88	6,538.98	6,538.70	33.07	27.95	-10.65	1,453.49	933.96	1,494.21	1,433.45	60.75	24.595		
6,736.50	6,604.38	6,574.53	6,574.24	33.21	28.10	-10.65	1,453.50	933.82	1,494.25	1,433.21	61.04	24.481		
6,750.00	6,617.88	6,587.67	6,587.39	33.25	28.15	76.45	1,453.51	933.77	1,494.23	1,433.09	61.14	24.439		
6,800.00	6,667.77	6,637.42	6,637.14	33.43	28.36	76.61	1,453.57	933.61	1,493.62	1,432.09	61.53	24.274		
6,850.00	6,717.28	6,687.20	6,686.91	33.60	28.58	76.99	1,453.62	933.39	1,492.11	1,430.18	61.93	24.094		
6,900.00	6,766.09	6,735.23	6,734.94	33.79	28.78	77.57	1,453.66	933.13	1,489.77	1,427.44	62.33	23.903		
6,950.00	6,813.90	6,781.93	6,781.64	33.99	28.98	78.35	1,453.73	932.88	1,486.72	1,423.99	62.73	23.700		
7,000.00	6,860.42	6,829.03	6,828.75	34.20	29.18	79.32	1,453.83	932.65	1,483.08	1,419.92	63.16	23.482		
7,050.00	6,905.36	6,875.51	6,875.22	34.42	29.38	80.46	1,453.91	932.54	1,478.92	1,415.33	63.60	23.254		
7,100.00	6,948.45	6,918.81	6,918.52	34.67	29.56	81.70	1,453.96	932.54	1,474.46	1,410.41	64.05	23.021		
7,150.00	6,989.41	6,958.67	6,958.39	34.94	29.73	82.99	1,454.03	932.51	1,469.93	1,405.42	64.51	22.786		
7,200.00	7,028.00	6,996.31	6,996.02	35.24	29.89	84.31	1,454.11	932.44	1,465.56	1,400.57	64.99	22.551		
7,250.00	7,063.98	7,032.61	7,032.32	35.56	30.04	85.66	1,454.20	932.36	1,461.55	1,396.06	65.49	22.316		
7,300.00	7,097.13	7,066.11	7,065.82	35.92	30.18	86.95	1,454.28	932.32	1,458.12	1,392.10	66.02	22.086		
7,350.00	7,127.23	7,096.45	7,096.16	36.32	30.31	88.14	1,454.34	932.33	1,455.49	1,388.92	66.57	21.865		
7,400.00	7,154.12	7,125.14	7,124.85	36.75	30.44	89.24	1,454.39	932.37	1,453.87	1,386.73	67.14	21.653		
7,441.17	7,173.71	7,146.11	7,145.82	37.14	30.52	90.00	1,454.39	932.43	1,453.43	1,385.80	67.63	21.490 CC		
7,450.00	7,177.61	7,150.27	7,149.98	37.22	30.54	90.15	1,454.39	932.45	1,453.45	1,385.72	67.74	21.458 ES		
7,500.00	7,197.57	7,170.02	7,169.73	37.73	30.63	90.78	1,454.38	932.53	1,454.42	1,386.09	68.33	21.284		
7,550.00	7,213.88	7,186.14	7,185.85	38.28	30.69	91.15	1,454.38	932.59	1,456.94	1,388.00	68.94	21.133		
7,600.00	7,226.42	7,198.49	7,198.20	38.87	30.75	91.25	1,454.37	932.64	1,461.10	1,391.55	69.55	21.008		
7,650.00	7,235.13	7,207.00	7,206.71	39.48	30.78	91.05	1,454.37	932.68	1,466.96	1,396.82	70.15	20.912		
7,700.00	7,239.95	7,211.62	7,211.33	40.12	30.80	90.54	1,454.36	932.70	1,474.54	1,403.81	70.73	20.848		
7,735.44	7,241.00	7,212.52	7,212.24	40.59	30.80	89.99	1,454.36	932.70	1,480.92	1,409.80	71.12	20.822		
7,800.00	7,241.11	7,212.37	7,212.08	41.47	30.80	89.98	1,454.36	932.70	1,494.65	1,422.82	71.83	20.807 SF		
7,900.00	7,241.27	7,212.14	7,211.85	42.96	30.80	89.97	1,454.36	932.70	1,521.09	1,448.14	72.95	20.852		
8,000.00	7,241.44	7,211.90	7,211.61	44.59	30.80	89.96	1,454.36	932.70	1,553.53	1,479.48	74.05	20.981		
8,100.00	7,241.61	7,211.67	7,211.38	46.34	30.80	89.95	1,454.36	932.70	1,591.60	1,516.50	75.10	21.193		
8,200.00	7,241.77	7,211.43	7,211.14	48.20	30.80	89.95	1,454.36	932.70	1,634.91	1,558.81	76.10	21.485		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - SOUTHARD #2(PR) - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 100-GYRO-NS													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,300.00	7,241.94	7,211.20	7,210.91	50.16	30.80	89.94	1,454.36	932.69	1,683.05	1,606.03	77.02	21.852		
8,400.00	7,242.11	7,210.96	7,210.67	52.20	30.80	89.93	1,454.36	932.69	1,735.63	1,657.76	77.87	22.289		
8,500.00	7,242.27	7,210.73	7,210.44	54.31	30.80	89.92	1,454.36	932.69	1,792.24	1,713.60	78.64	22.791		
8,600.00	7,242.44	7,210.49	7,210.20	56.49	30.80	89.91	1,454.36	932.69	1,852.53	1,773.20	79.33	23.352		
8,700.00	7,242.60	7,210.26	7,209.97	58.73	30.80	89.90	1,454.36	932.69	1,916.14	1,836.19	79.95	23.967		
8,800.00	7,242.77	7,210.02	7,209.73	61.03	30.79	89.89	1,454.36	932.69	1,982.76	1,902.26	80.50	24.630		
8,900.00	7,242.94	7,209.79	7,209.50	63.37	30.79	89.88	1,454.36	932.69	2,052.09	1,971.10	80.99	25.337		
9,000.00	7,243.10	7,209.55	7,209.26	65.75	30.79	89.87	1,454.36	932.69	2,123.86	2,042.44	81.42	26.084		
9,100.00	7,243.27	7,209.32	7,209.03	68.18	30.79	89.86	1,454.36	932.69	2,197.85	2,116.04	81.81	26.866		
9,200.00	7,243.44	7,209.08	7,208.79	70.63	30.79	89.85	1,454.36	932.69	2,273.82	2,191.68	82.15	27.680		
9,300.00	7,243.60	7,208.85	7,208.56	73.12	30.79	89.84	1,454.36	932.68	2,351.60	2,269.15	82.45	28.523		
9,400.00	7,243.77	7,208.61	7,208.32	75.63	30.79	89.83	1,454.37	932.68	2,430.99	2,348.28	82.71	29.392		
9,500.00	7,243.94	7,208.38	7,208.09	78.17	30.79	89.83	1,454.37	932.68	2,511.87	2,428.92	82.94	30.284		
9,600.00	7,244.10	7,208.14	7,207.85	80.73	30.79	89.82	1,454.37	932.68	2,594.07	2,510.92	83.15	31.197		
9,700.00	7,244.27	7,207.91	7,207.62	83.31	30.79	89.81	1,454.37	932.68	2,677.49	2,594.15	83.33	32.129		
9,800.00	7,244.44	7,207.67	7,207.38	85.91	30.78	89.80	1,454.37	932.68	2,762.00	2,678.51	83.50	33.079		
9,900.00	7,244.60	7,207.44	7,207.15	88.53	30.78	89.79	1,454.37	932.68	2,847.53	2,763.88	83.64	34.044		
10,000.00	7,244.77	7,207.20	7,206.91	91.16	30.78	89.78	1,454.37	932.68	2,933.96	2,850.19	83.77	35.024		
10,100.00	7,244.94	7,206.97	7,206.68	93.81	30.78	89.77	1,454.37	932.68	3,021.24	2,937.35	83.89	36.016		
10,200.00	7,245.10	7,206.73	7,206.44	96.46	30.78	89.76	1,454.37	932.68	3,109.28	3,025.29	83.99	37.020		
10,300.00	7,245.27	7,206.50	7,206.21	99.14	30.78	89.75	1,454.37	932.68	3,198.02	3,113.94	84.08	38.035		
10,400.00	7,245.43	7,206.26	7,205.97	101.82	30.78	89.74	1,454.37	932.67	3,287.41	3,203.24	84.17	39.059		
10,500.00	7,245.60	7,206.03	7,205.74	104.51	30.78	89.73	1,454.37	932.67	3,377.39	3,293.15	84.24	40.092		
10,600.00	7,245.77	7,205.79	7,205.50	107.21	30.78	89.72	1,454.37	932.67	3,467.93	3,383.62	84.31	41.133		
10,700.00	7,245.93	7,205.56	7,205.27	109.92	30.78	89.71	1,454.37	932.67	3,558.97	3,474.60	84.37	42.182		
10,800.00	7,246.10	7,205.32	7,205.03	112.64	30.77	89.70	1,454.37	932.67	3,650.48	3,566.05	84.43	43.237		
10,900.00	7,246.27	7,205.09	7,204.80	115.37	30.77	89.70	1,454.37	932.67	3,742.42	3,657.94	84.48	44.298		
11,000.00	7,246.43	7,204.85	7,204.56	118.10	30.77	89.69	1,454.37	932.67	3,834.77	3,750.24	84.53	45.365		
11,100.00	7,246.60	7,204.62	7,204.33	120.84	30.77	89.68	1,454.37	932.67	3,927.49	3,842.91	84.58	46.437		
11,200.00	7,246.77	7,204.38	7,204.09	123.58	30.77	89.67	1,454.37	932.67	4,020.56	3,935.94	84.62	47.514		
11,300.00	7,246.93	7,204.15	7,203.86	126.34	30.77	89.66	1,454.37	932.67	4,113.96	4,029.30	84.66	48.595		
11,340.34	7,247.00	7,204.05	7,203.77	127.45	30.77	89.65	1,454.37	932.67	4,151.72	4,067.05	84.67	49.032		
11,400.00	7,247.10	7,203.92	7,203.63	129.09	30.77	89.64	1,454.37	932.67	4,207.87	4,123.17	84.70	49.682		
11,500.00	7,247.27	7,203.69	7,203.40	131.84	30.77	89.60	1,454.37	932.66	4,303.07	4,218.34	84.73	50.786		
11,586.15	7,247.43	7,203.50	7,203.21	134.20	30.77	89.56	1,454.37	932.66	4,386.04	4,301.28	84.75	51.750		
11,600.00	7,247.45	7,203.47	7,203.18	134.57	30.77	89.56	1,454.37	932.66	4,399.45	4,314.69	84.76	51.906		
11,700.00	7,247.64	7,203.25	7,202.97	137.31	30.77	89.55	1,454.37	932.66	4,496.32	4,411.53	84.78	53.032		
11,800.00	7,247.82	7,203.04	7,202.75	140.05	30.76	89.54	1,454.37	932.66	4,593.32	4,508.51	84.81	54.160		
11,900.00	7,248.00	7,202.82	7,202.54	142.79	30.76	89.53	1,454.37	932.66	4,690.45	4,605.61	84.84	55.288		
12,000.00	7,248.18	7,202.61	7,202.32	145.53	30.76	89.51	1,454.37	932.66	4,787.70	4,702.83	84.86	56.417		
12,100.00	7,248.37	7,202.39	7,202.10	148.28	30.76	89.50	1,454.37	932.66	4,885.05	4,800.17	84.89	57.547		
12,200.00	7,248.55	7,202.18	7,201.89	151.04	30.76	89.49	1,454.37	932.66	4,982.52	4,897.60	84.91	58.677		
12,300.00	7,248.73	7,201.96	7,201.67	153.80	30.76	89.48	1,454.37	932.66	5,080.08	4,995.14	84.94	59.808		
12,400.00	7,248.91	7,201.75	7,201.46	156.56	30.76	89.47	1,454.37	932.66	5,177.73	5,092.76	84.97	60.938		
12,500.00	7,249.10	7,201.53	7,201.24	159.32	30.76	89.46	1,454.37	932.66	5,275.47	5,190.48	84.99	62.069		
12,600.00	7,249.28	7,201.32	7,201.03	162.09	30.76	89.45	1,454.37	932.65	5,373.30	5,288.28	85.02	63.200		
12,700.00	7,249.46	7,201.10	7,200.81	164.86	30.76	89.44	1,454.37	932.65	5,471.20	5,386.15	85.05	64.330		
12,800.00	7,249.64	7,200.89	7,200.60	167.63	30.76	89.42	1,454.37	932.65	5,569.18	5,484.10	85.08	65.461		
12,900.00	7,249.83	7,200.67	7,200.38	170.40	30.75	89.41	1,454.37	932.65	5,667.23	5,582.13	85.11	66.591		
13,000.00	7,250.01	7,200.46	7,200.17	173.18	30.75	89.40	1,454.37	932.65	5,765.35	5,680.21	85.13	67.720		
13,100.00	7,250.19	7,200.24	7,199.95	175.96	30.75	89.39	1,454.37	932.65	5,863.53	5,778.36	85.16	68.850		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

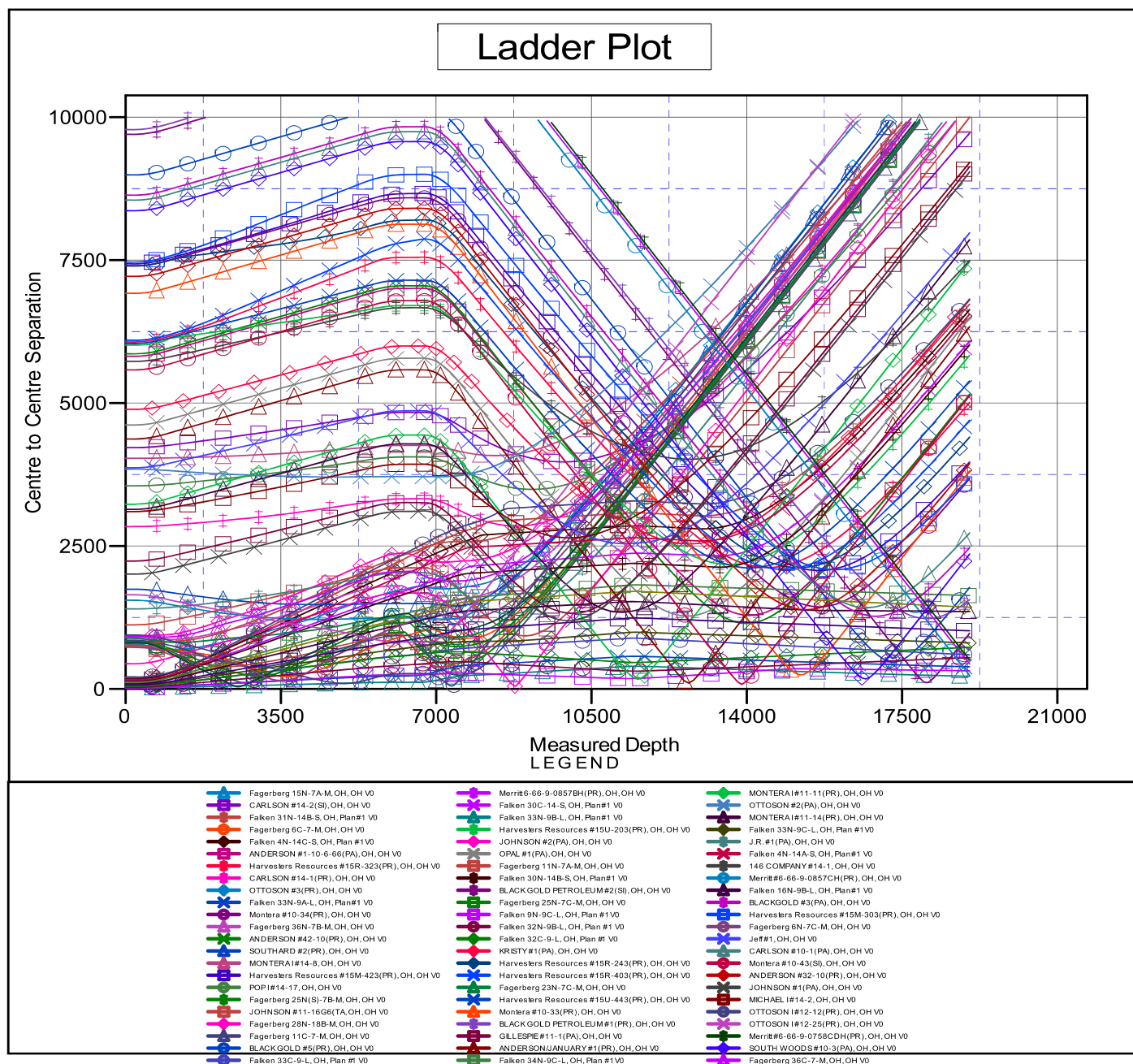
Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - SOUTHARD #2(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,200.00	7,250.37	7,200.02	7,199.74	178.74	30.75	89.38	1,454.37	932.65	5,961.77	5,876.57	85.19	69.978		
13,300.00	7,250.56	7,199.81	7,199.52	181.52	30.75	89.37	1,454.37	932.65	6,060.06	5,974.84	85.23	71.106		
13,400.00	7,250.74	7,199.59	7,199.31	184.31	30.75	89.36	1,454.37	932.65	6,158.42	6,073.16	85.26	72.234		
13,500.00	7,250.92	7,199.38	7,199.09	187.09	30.75	89.35	1,454.37	932.65	6,256.82	6,171.53	85.29	73.360		
13,600.00	7,251.10	7,199.16	7,198.87	189.88	30.75	89.34	1,454.37	932.65	6,355.28	6,269.95	85.32	74.486		
13,700.00	7,251.29	7,198.95	7,198.66	192.67	30.75	89.32	1,454.37	932.65	6,453.78	6,368.42	85.35	75.611		
13,800.00	7,251.47	7,198.73	7,198.44	195.47	30.75	89.31	1,454.37	932.64	6,552.33	6,466.94	85.39	76.735		
13,900.00	7,251.65	7,198.52	7,198.23	198.26	30.75	89.30	1,454.37	932.64	6,650.92	6,565.49	85.42	77.859		
14,000.00	7,251.83	7,198.30	7,198.01	201.05	30.74	89.29	1,454.37	932.64	6,749.55	6,664.09	85.46	78.981		
14,100.00	7,252.01	7,198.09	7,197.80	203.85	30.74	89.28	1,454.37	932.64	6,848.22	6,762.73	85.49	80.102		
14,200.00	7,252.20	7,197.87	7,197.58	206.65	30.74	89.27	1,454.37	932.64	6,946.93	6,861.40	85.53	81.222		
14,300.00	7,252.38	7,197.66	7,197.37	209.45	30.74	89.26	1,454.37	932.64	7,045.68	6,960.11	85.57	82.340		
14,400.00	7,252.56	7,197.44	7,197.15	212.25	30.74	89.25	1,454.37	932.64	7,144.46	7,058.85	85.61	83.458		
14,500.00	7,252.74	7,197.23	7,196.94	215.05	30.74	89.23	1,454.37	932.64	7,243.27	7,157.63	85.64	84.574		
14,600.00	7,252.93	7,197.01	7,196.72	217.86	30.74	89.22	1,454.37	932.64	7,342.12	7,256.44	85.68	85.689		
14,700.00	7,253.11	7,196.79	7,196.51	220.66	30.74	89.21	1,454.37	932.64	7,441.00	7,355.27	85.72	86.803		
14,800.00	7,253.29	7,196.58	7,196.29	223.47	30.74	89.20	1,454.37	932.64	7,539.90	7,454.14	85.76	87.915		
14,900.00	7,253.47	7,196.36	7,196.08	226.27	30.74	89.19	1,454.37	932.63	7,638.84	7,553.03	85.81	89.025		
15,000.00	7,253.66	7,196.15	7,195.86	229.08	30.74	89.18	1,454.37	932.63	7,737.80	7,651.96	85.85	90.135		
15,100.00	7,253.84	7,195.93	7,195.64	231.89	30.73	89.17	1,454.37	932.63	7,836.79	7,750.90	85.89	91.242		
15,200.00	7,254.02	7,195.72	7,195.43	234.70	30.73	89.16	1,454.37	932.63	7,935.81	7,849.87	85.93	92.349		
15,300.00	7,254.20	7,195.50	7,195.21	237.51	30.73	89.15	1,454.37	932.63	8,034.85	7,948.87	85.98	93.453		
15,400.00	7,254.39	7,195.29	7,195.00	240.32	30.73	89.13	1,454.37	932.63	8,133.91	8,047.89	86.02	94.556		
15,500.00	7,254.57	7,195.07	7,194.78	243.13	30.73	89.12	1,454.37	932.63	8,232.99	8,146.93	86.07	95.658		
15,600.00	7,254.75	7,194.86	7,194.57	245.94	30.73	89.11	1,454.37	932.63	8,332.10	8,245.99	86.11	96.757		
15,700.00	7,254.93	7,194.64	7,194.35	248.76	30.73	89.10	1,454.37	932.63	8,431.23	8,345.07	86.16	97.855		
15,800.00	7,255.12	7,194.43	7,194.14	251.57	30.73	89.09	1,454.37	932.63	8,530.38	8,444.17	86.21	98.952		
15,900.00	7,255.30	7,194.21	7,193.92	254.39	30.73	89.08	1,454.37	932.63	8,629.54	8,543.29	86.26	100.046		
16,000.00	7,255.48	7,194.00	7,193.71	257.20	30.73	89.07	1,454.37	932.63	8,728.73	8,642.43	86.30	101.139		
16,100.00	7,255.66	7,193.78	7,193.49	260.02	30.73	89.06	1,454.37	932.62	8,827.94	8,741.58	86.35	102.230		
16,200.00	7,255.85	7,193.56	7,193.28	262.84	30.72	89.04	1,454.37	932.62	8,927.16	8,840.76	86.40	103.319		
16,300.00	7,256.03	7,193.35	7,193.06	265.65	30.72	89.03	1,454.37	932.62	9,026.40	8,939.95	86.45	104.406		
16,400.00	7,256.21	7,193.13	7,192.85	268.47	30.72	89.02	1,454.37	932.62	9,125.66	9,039.15	86.51	105.491		
16,500.00	7,256.39	7,192.92	7,192.63	271.29	30.72	89.01	1,454.37	932.62	9,224.93	9,138.37	86.56	106.574		
16,600.00	7,256.58	7,192.70	7,192.41	274.11	30.72	89.00	1,454.37	932.62	9,324.22	9,237.61	86.61	107.656		
16,700.00	7,256.76	7,192.49	7,192.20	276.93	30.72	88.99	1,454.37	932.62	9,423.52	9,336.86	86.66	108.735		
16,800.00	7,256.94	7,192.27	7,191.98	279.75	30.72	88.98	1,454.37	932.62	9,522.84	9,436.12	86.72	109.812		
16,900.00	7,257.12	7,192.06	7,191.77	282.57	30.72	88.97	1,454.37	932.62	9,622.17	9,535.40	86.77	110.888		
17,000.00	7,257.30	7,191.84	7,191.55	285.40	30.72	88.96	1,454.37	932.62	9,721.52	9,634.69	86.83	111.961		
17,100.00	7,257.49	7,191.63	7,191.34	288.22	30.72	88.94	1,454.37	932.62	9,820.88	9,733.99	86.89	113.032		
17,200.00	7,257.67	7,191.41	7,191.12	291.04	30.72	88.93	1,454.37	932.62	9,920.25	9,833.31	86.94	114.101		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GL 4810 & KB 20 @ 4830.00ft (Origin)
Offset Depths are relative to Offset Datum
Central Meridian is -105.5000000

Coordinates are relative to: Falken 9C-9-L
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.49°



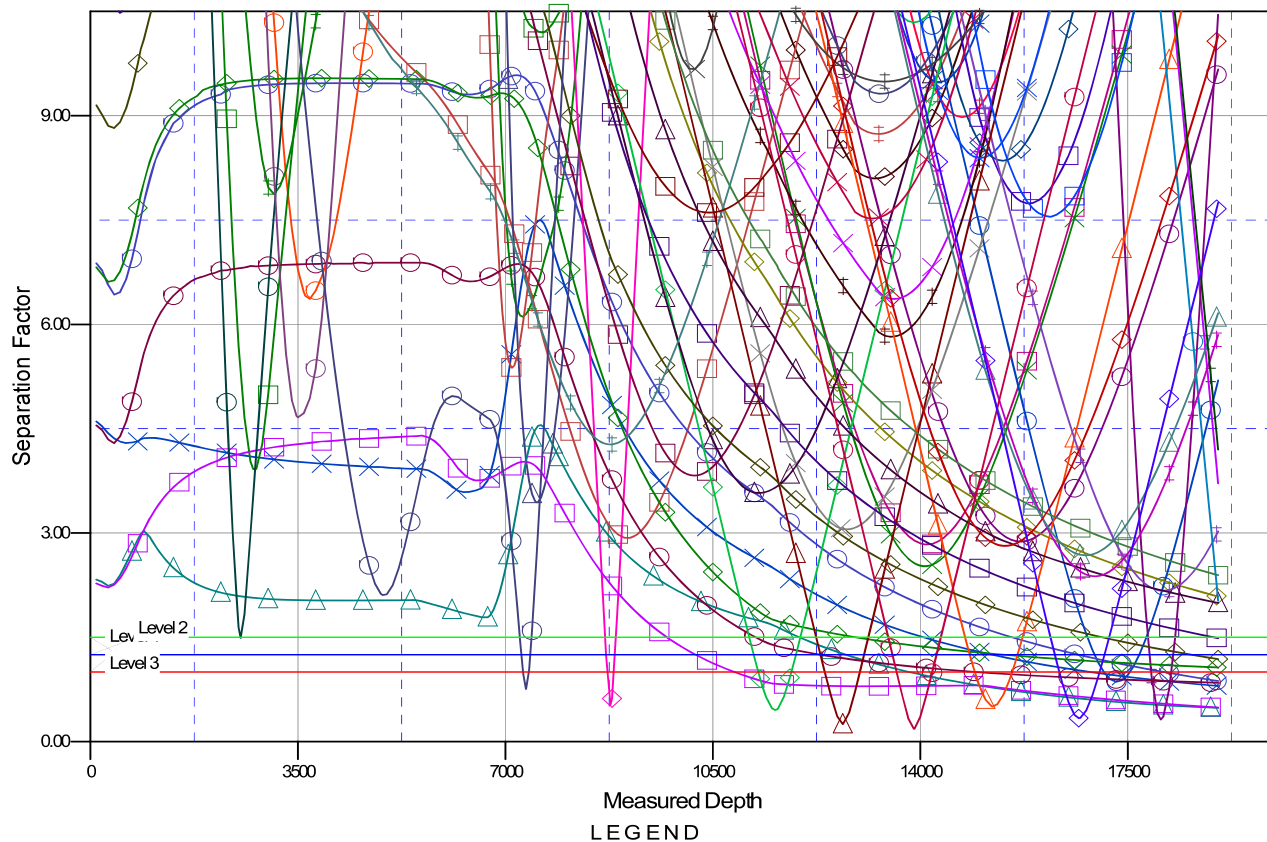
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9C-9-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9C-9-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GL 4810 & KB 20 @ 4830.00ft (Origin)
Offset Depths are relative to Offset Datum
Central Meridian is -105.5000000

Coordinates are relative to: Falken 9C-9-L
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.49°

Separation Factor Plot



LEGEND

Fagerberg 15N-7A-M, OH, OH V0	Merritt6-66-9-0857BH(PR), OH, OH V0	MONTERAI#11-11(PR), OH, OH V0
CARLSON #14-2(S), OH, OH V0	Falken 30C-14-S, OH, Plan#1 V0	OTTOSON #2(PA), OH, OH V0
Falken 31N-14B-S, OH, Plan#1 V0	Falken 33N-14B-S, OH, Plan#1 V0	MONTERAI#11-14(PR), OH, OH V0
Fagerberg 6C-7-M, OH, OH V0	Harvesters Resources #15U-203(PR), OH, OH V0	Falken 33N-9C-L, OH, Plan #1V0
Falken 4N-14C-S, OH, Plan #1V0	JOHNSON #2(PA), OH, OH V0	J.R. #1(PA), OH, OH V0
ANDERSON #1-10-6-66(PA), OH, OH V0	OPAL #1(PA), OH, OH V0	Falken 4N-14A-S, OH, Plan#1 V0
Harvesters Resources #15R-323(PR), OH, OH V0	Fagerberg 11N-7A-M, OH, OH V0	146 COMPANY #14-1, OH, OH V0
CARLSON #14-1(PR), OH, OH V0	Falken 30N-14B-S, OH, Plan#1 V0	Merritt6-66-9-0857CH(PR), OH, OH V0
OTTOSON #3(PR), OH, OH V0	BLACK GOLD PETROLEUM #2(S), OH, OH V0	Falken 16N-9B-L, OH, Plan#1 V0
Falken 33N-9A-L, OH, Plan#1 V0	Fagerberg 25N-7C-M, OH, OH V0	BLACKGOLD #3(PA), OH, OH V0
Montera #10-34(PR), OH, OH V0	Falken 9N-9C-L, OH, Plan #1V0	Harvesters Resources #15M-303(PR), OH, OH V0
Fagerberg 36N-7B-M, OH, OH V0	Falken 32C-9-L, OH, Plan #1 V0	Fagerberg 6N-7C-M, OH, OH V0
ANDERSON #42-10(PR), OH, OH V0	KRISTY #1(PA), OH, OH V0	Jeff#1, OH, OH V0
SOUTHARD #2(PR), OH, OH V0	Harvesters Resources #15R-243(PR), OH, OH V0	CARLSON #10-1(PA), OH, OH V0
MONTERAI#14-8, OH, OH V0	Harvesters Resources #15R-403(PR), OH, OH V0	Montera #10-43(S), OH, OH V0
Harvesters Resources #15M-423(PR), OH, OH V0	Fagerberg 23N-7C-M, OH, OH V0	ANDERSON #32-10(PR), OH, OH V0
POP#14-17, OH, OH V0	Harvesters Resources #15U-443(PR), OH, OH V0	JOHNSON #1(PA), OH, OH V0
Fagerberg 25N(S)-7B-M, OH, OH V0	Montera #10-33(PR), OH, OH V0	MICHAEL #14-2, OH, OH V0
JOHNSON #11-16GITA, OH, OH V0	BLACK GOLD PETROLEUM #1(PR), OH, OH V0	OTTOSON #12-12(PR), OH, OH V0
Fagerberg 28N-18B-M, OH, OH V0	GILLESPIE #11-1(PA), OH, OH V0	OTTOSON #12-25(PR), OH, OH V0
Fagerberg 11C-7-M, OH, OH V0	ANDERSON JANUARY#1(PR), OH, OH V0	Merritt6-66-9-0758CDH(PR), OH, OH V0
BLACKGOLD #5(PR), OH, OH V0	Falken 34N-9C-L, OH, Plan #1V0	SOUTH WOODS#10-3(PA), OH, OH V0
Falken 33C-9-L, OH, Plan #1 V0		Fagerberg 36C-7-M, OH, OH V0

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