SRC ENERGY

WELD COUNTY (NAD83, TRUE NORTH)
5N-66W-29 SANFORD 21-29 PAD
SANFORD 30N-30A-M

Wellbore #1
Design #1

Anticollision Report

25 October, 2018

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference	Design #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,200.00 usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.45 **Sigma**	**Casing Method:**	Added to Error Values

Survey Tool Program **Date** 10/25/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	1,800.00	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV :	Fixed:v2:crustal field declination
1,800.00	15,253.82	Design #1 (Wellbore #1)	SRC Energy_ISCWSA REV :	Fixed:v2:Rockies, crustal dec + 3-axis correction

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
5N-66W-19 Offsets Incomplete						
KORI J 19-13 - Noble SI Well - No Surveys	14,549.77	7,175.03	829.21	450.65	2.190	CC, ES
KORI J 19-13 - Noble SI Well - No Surveys	14,600.00	7,175.24	830.72	451.46	2.190	SF
5N-66W-20 Offsets Incomplete						
HSR-WIEDEMAN 14-20 - Noble SI Well - No Surveys	7,860.78	7,046.76	921.46	651.94	3.419	CC, ES
HSR-WIEDEMAN 14-20 - Noble SI Well - No Surveys	7,900.00	7,046.93	922.30	652.35	3.417	SF
5N-66W-29 Offsets Incomplete (Need 2 Directionals)						
BENSLER J 29-17D - Noble PR Well - Actual Ensign Su	2,063.01	1,927.39	1,050.54	1,027.76	46.119	CC, ES
BENSLER J 29-17D - Noble PR Well - Actual Ensign Su	2,400.00	2,202.02	1,062.65	1,039.55	45.998	SF
BENSLER J 29-18D - Noble SI Well - Actual Ensign Surv	3,330.15	3,335.02	639.36	610.57	22.210	CC, ES
BENSLER J 29-18D - Noble SI Well - Actual Ensign Surv	7,300.00	7,095.69	943.64	898.22	20.777	SF
BENSLER J 29-21D (Need Directional Surveys) - Noble	6,402.99	6,337.68	510.13	271.14	2.135	CC, ES
BENSLER J 29-21D (Need Directional Surveys) - Noble	6,500.00	6,434.51	514.03	271.44	2.119	SF
BENSLER J 29-27D (Need Directional Surveys) - Noble	6,409.78	6,344.45	534.81	295.65	2.236	CC, ES
BENSLER J 29-27D (Need Directional Surveys) - Noble	6,500.00	6,434.51	538.61	296.09	2.221	SF
CARLSON 10-29 - Noble SI Well - Actual VES Surveys						Out of range
HSR-MILLARD 9-29 - Noble SI Well - No Surveys						Out of range
KAMMERZELL 1 - XOG P&A Well - No Surveys						Out of range
KAMMERZELL 29-3H6 - Noble SI Well - No Surveys	200.00	201.00	264.91	254.53	25.539	CC
KAMMERZELL 29-3H6 - Noble SI Well - No Surveys	7,754.97	7,028.32	480.87	213.01	1.795	ES, SF
KAMMERZELL 29-4H6 - XOG PR Well - No Surveys						Out of range
KAMMERZELL 29-5 - XOG PR Well - No Surveys	9,488.28	7,042.64	305.69	14.16	1.049	Level 2, CC, ES, SF
KAMMERZELL 29-6H6 - Noble SI Well - No Surveys						Out of range
KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech	8,586.62	7,044.22	1,009.45	960.54	20.638	CC
KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech	8,600.00	7,043.98	1,009.54	960.46	20.571	ES
KAMMERZELL J 29-19 - Noble SI Well - Actual Coretech	8,800.00	7,040.54	1,031.75	980.66	20.195	SF
UPRC 29-7C - Noble T/A Well - No Surveys						Out of range
UPRC 29-8C - Noble SI Well - No Surveys						Out of range
UPV 29-1H6 - Noble PR Well - No Surveys						Out of range
UPV 29-2H6 - Noble SI Well - No Surveys	6,411.57	6,333.24	587.51	348.54	2.458	CC, ES
UPV 29-2H6 - Noble SI Well - No Surveys	6,500.00	6,421.51	591.27	349.01	2.441	SF

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Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
5N-66W-29 SANFORD 21-29 PAD						
SANFORD 1C-27-XR - Wellbore #1 - Design #1	200.00	201.00	155.17	147.60	20.487	CC, ES
SANFORD 1C-27-XR - Wellbore #1 - Design #1	7,701.84	7,041.58	381.02	341.69	9.688	SF
SANFORD 1N-27A-XR - Wellbore #1 - Design #1	200.00	201.00	161.51	153.93	21.323	CC, ES
SANFORD 1N-27A-XR - Wellbore #1 - Design #1	7,300.00	7,237.04	390.28	356.18	11.444	SF
SANFORD 1N-27B-XR - Wellbore #1 - Design #1	7,548.90	7,106.61	134.90	100.19	3.887	CC, ES, SF
SANFORD 1N-27C-XR - Wellbore #1 - Design #1	200.00	201.00	169.83	162.26	22.422	CC, ES
SANFORD 1N-27C-XR - Wellbore #1 - Design #1	7,800.00	6,988.14	615.79	579.81	17.116	SF
SANFORD 26C-27-XR - Wellbore #1 - Design #1	200.00	201.00	155.15	147.57	20.483	CC, ES
SANFORD 26C-27-XR - Wellbore #1 - Design #1	7,709.92	7,040.53	253.18	213.02	6.304	SF
SANFORD 26N-27A-XR - Wellbore #1 - Design #1	200.00	201.00	151.36	143.79	19.984	CC, ES
SANFORD 26N-27A-XR - Wellbore #1 - Design #1	7,341.38	7,215.80	222.15	187.25	6.366	SF
SANFORD 26N-27C-XR - Wellbore #1 - Design #1	7,621.07	7,074.73	26.35	-13.01	0.670	Level 1, CC, ES, SF
SANFORD 30C-30-M - Wellbore #1 - Design #1	200.00	200.00	20.03	12.46	2.645	CC
SANFORD 30C-30-M - Wellbore #1 - Design #1	6,582.52	6,577.53	27.74	-10.82	0.719	Level 1, ES, SF
SANFORD 30N-30B-M - Wellbore #1 - Design #1	200.00	200.00	40.07	32.50	5.291	CC
SANFORD 30N-30B-M - Wellbore #1 - Design #1	15,253.82	15,410.44	266.24	13.76	1.055	Level 2, ES, SF
SANFORD 31N-30B-M - Wellbore #1 - Design #1	200.00	200.00	120.22	112.65	15.873	CC, ES
SANFORD 31N-30B-M - Wellbore #1 - Design #1	15,253.82	15,410.68	1,088.59	814.96	3.978	SF
SANFORD 31N-30C-M - Wellbore #1 - Design #1	200.00	200.00	100.18	92.61	13.228	CC, ES
SANFORD 31N-30C-M - Wellbore #1 - Design #1	15,253.82	15,474.52	881.58	610.45	3.251	SF
SANFORD 32N-30B-M - Wellbore #1 - Design #1	200.00	200.00	220.03	212.46	29.052	CC, ES
SANFORD 32N-30B-M - Wellbore #1 - Design #1	300.00	296.76	220.93	213.28	28.852	SF
SANFORD 32N-30C-M - Wellbore #1 - Design #1	200.00	200.00	200.00	192.43	26.407	CC, ES
SANFORD 32N-30C-M - Wellbore #1 - Design #1	300.00	294.22	201.97	194.31	26.390	SF
SANFORD 40N-27B-XR - Wellbore #1 - Design #1	200.00	201.00	250.14	242.57	33.026	CC, ES, SF
SANFORD 40N-27C-XR - Wellbore #1 - Design #1	200.00	201.00	266.37	258.79	35.167	CC, ES
SANFORD 40N-27C-XR - Wellbore #1 - Design #1	300.00	293.51	269.15	261.49	35.167	SF
SANFORD 41N-27B-XR - Wellbore #1 - Design #1	200.00	201.00	180.23	172.66	23.795	CC, ES
SANFORD 41N-27B-XR - Wellbore #1 - Design #1	7,800.00	6,928.41	851.06	815.29	23.793	SF
SANFORD 41N-27C-XR - Wellbore #1 - Design #1	200.00	201.00	191.95	184.38	25.343	CC, ES, SF
SANFORD 4C-30-M - Wellbore #1 - Design #1	200.00	200.00	60.11	52.54	7.937	CC, ES
SANFORD 4C-30-M - Wellbore #1 - Design #1	15,253.82	15,585.58	690.98	435.22	2.702	SF
SANFORD 4N-30A-M - Wellbore #1 - Design #1	200.00	200.00	80.14	72.57	10.581	CC, ES
SANFORD 4N-30A-M - Wellbore #1 - Design #1	15,253.82	15,274.08	664.94	390.21	2.420	SF
SANFORD 4N-30B-M - Wellbore #1 - Design #1	200.00	200.00	40.07	32.50	5.290	CC, ES
SANFORD 4N-30B-M - Wellbore #1 - Design #1	15,253.82	15,389.53	502.63	232.71	1.862	SF
SANFORD 4N-30C-M - Wellbore #1 - Design #1	200.00	200.00	20.04	12.47	2.646	CC, ES
SANFORD 4N-30C-M - Wellbore #1 - Design #1	15,253.82	15,469.56	238.55	30.37	1.146	Level 2, SF
SANFORD 5C-30-M - Wellbore #1 - Design #1	200.00	200.00	159.93	152.36	21.116	CC, ES, SF
SANFORD 5N-30B-M - Wellbore #1 - Design #1	200.00	200.00	179.97	172.39	23.761	CC, ES, SF
SANFORD 5N-30C-M - Wellbore #1 - Design #1	200.00	200.00	139.89	132.32	18.470	CC, ES, SF
SANFORD 8C-27-XR - Wellbore #1 - Design #1	200.00	201.00	205.17	197.59	27.088	CC, ES, SF
SANFORD 8N-27B-XR - Wellbore #1 - Design #1	200.00	201.00	219.23	211.66	28.945	CC, ES, SF
SANFORD 8N-27C-XR - Wellbore #1 - Design #1	200.00	201.00	234.34	226.77	30.939	CC, ES, SF

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Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
5N-66W-30 Offsets Incomplete						
HOMYAK 1 - XOG PR Well - No Surveys	12,016.09	7,109.32	323.42	-11.02	0.967	Level 1, CC, ES, SF
HOMYAK 2 - XOG SI Well - No Surveys						Out of range
LUNDVALL 3 - Noble PR Well - No Surveys						Out of range
LUNDVALL 30-11H6 - Noble SI Well - No Surveys						Out of range
LUNDVALL 4 - Noble PR Well - No Surveys	13,319.22	7,138.83	290.73	-66.19	0.815	Level 1, CC, ES, SF
LUNDVALL J 30-19 - Noble PR Well - Actual Ensign Sur	13,981.60	7,267.58	976.06	819.17	6.221	CC
LUNDVALL J 30-19 - Noble PR Well - Actual Ensign Sur	14,000.00	7,267.84	976.23	819.00	6.209	ES
LUNDVALL J 30-19 - Noble PR Well - Actual Ensign Sur	14,100.00	7,269.26	983.21	824.80	6.207	SF
MOSSBERG PMJ 30-10 - Noble PR Well - No Surveys						Out of range
MOSSBERG-PM J30-9 - Noble PR Well - No Surveys						Out of range
RICKS-PM J30-12 - Noble PR Well - No Surveys						Out of range
STEVE J 30-4J - Noble PR Well - Actual Multishot Surve						Out of range
STEVE J 30-6 - Noble PR Well - Actual Multishot Survey						Out of range

Offset Design 5N-66W-19 Offsets Incomplete - KORI J 19-13 - Noble SI Well - No Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,700.00	7,054.44	7,171.44	7,171.44	111.44	252.35	89.75	1,123.74	-6,966.30	1,187.30	856.41	330.89	3.588	
13,800.00	7,054.86	7,171.86	7,171.86	113.09	252.37	89.78	1,123.74	-6,966.30	1,117.91	781.10	336.81	3.319	
13,900.00	7,055.28	7,172.28	7,172.28	114.75	252.38	89.81	1,123.74	-6,966.30	1,053.46	710.33	343.14	3.070	
14,000.00	7,055.70	7,172.70	7,172.70	116.40	252.40	89.84	1,123.74	-6,966.30	994.90	645.16	349.75	2.845	
14,100.00	7,056.13	7,173.13	7,173.13	118.06	252.41	89.87	1,123.74	-6,966.30	943.33	586.88	356.45	2.646	
14,200.00	7,056.55	7,173.55	7,173.55	119.71	252.43	89.90	1,123.74	-6,966.30	899.96	536.99	362.97	2.479	
14,300.00	7,056.97	7,173.97	7,173.97	121.37	252.44	89.93	1,123.74	-6,966.30	866.01	497.09	368.92	2.347	
14,400.00	7,057.39	7,174.39	7,174.39	123.02	252.46	89.96	1,123.74	-6,966.30	842.62	468.75	373.87	2.254	
14,500.00	7,057.82	7,174.82	7,174.82	124.68	252.47	89.99	1,123.74	-6,966.30	830.70	453.29	377.41	2.201	
14,549.77	7,058.03	7,175.03	7,175.03	125.50	252.48	90.00	1,123.74	-6,966.30	829.21	450.65	378.55	2.190	CC, ES
14,600.00	7,058.24	7,175.24	7,175.24	126.33	252.49	90.01	1,123.74	-6,966.30	830.72	451.46	379.26	2.190	SF
14,700.00	7,058.66	7,175.66	7,175.66	127.99	252.50	90.04	1,123.74	-6,966.30	842.70	463.36	379.35	2.221	
14,800.00	7,059.08	7,176.08	7,176.08	129.65	252.52	90.07	1,123.74	-6,966.30	866.14	488.33	377.80	2.293	
14,900.00	7,059.51	7,176.51	7,176.51	131.31	252.53	90.10	1,123.74	-6,966.30	900.13	525.19	374.94	2.401	
15,000.00	7,059.93	7,176.93	7,176.93	132.96	252.55	90.13	1,123.74	-6,966.30	943.55	572.41	371.14	2.542	
15,100.00	7,060.35	7,177.35	7,177.35	134.62	252.56	90.16	1,123.74	-6,966.30	995.15	628.38	366.77	2.713	
15,200.00	7,060.77	7,177.77	7,177.77	136.28	252.58	90.19	1,123.74	-6,966.30	1,053.74	691.60	362.14	2.910	
15,253.82	7,061.00	7,178.00	7,178.00	137.17	252.58	90.21	1,123.74	-6,966.30	1,087.78	728.14	359.63	3.025	

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Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-20 Offsets Incomplete - HSR-WIEDEMAN 14-20 - Noble SI Well - No Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,100.00	6,936.18	6,953.18	6,953.18	16.57	244.62	66.35	1,202.91	-277.20	1,187.27	925.94	261.33	4.543	
7,200.00	6,980.98	7,002.02	6,997.98	16.78	246.35	74.51	1,202.91	-277.20	1,131.94	868.73	263.21	4.300	
7,300.00	7,011.28	7,028.28	7,028.28	17.11	247.28	81.96	1,202.91	-277.20	1,078.60	814.19	264.41	4.079	
7,400.00	7,026.32	7,043.32	7,043.32	17.54	247.81	87.90	1,202.91	-277.20	1,030.29	764.93	265.36	3.883	
7,500.00	7,028.24	7,045.24	7,045.24	18.08	247.88	89.91	1,202.91	-277.20	989.57	723.56	266.01	3.720	
7,600.00	7,028.66	7,045.66	7,045.66	18.75	247.89	89.93	1,202.91	-277.20	957.65	690.85	266.80	3.589	
7,700.00	7,029.09	7,046.09	7,046.09	19.55	247.91	89.96	1,202.91	-277.20	935.38	667.62	267.77	3.493	
7,800.00	7,029.51	7,046.51	7,046.51	20.44	247.92	89.98	1,202.91	-277.20	923.47	654.63	268.84	3.435	
7,860.78	7,029.76	7,046.76	7,046.76	21.04	247.93	90.00	1,202.91	-277.20	921.46	651.94	269.52	3.419	CC, ES
7,900.00	7,029.93	7,046.93	7,046.93	21.43	247.94	90.01	1,202.91	-277.20	922.30	652.35	269.94	3.417	SF
8,000.00	7,030.35	7,047.35	7,047.35	22.50	247.95	90.04	1,202.91	-277.20	931.92	660.91	271.01	3.439	
8,100.00	7,030.78	7,047.78	7,047.78	23.64	247.97	90.06	1,202.91	-277.20	952.01	680.03	271.98	3.500	
8,200.00	7,031.20	7,048.20	7,048.20	24.84	247.98	90.09	1,202.91	-277.20	981.92	709.10	272.82	3.599	
8,300.00	7,031.62	7,048.62	7,048.62	26.09	248.00	90.12	1,202.91	-277.20	1,020.79	747.29	273.50	3.732	
8,400.00	7,032.04	7,049.04	7,049.04	27.38	248.01	90.14	1,202.91	-277.20	1,067.64	793.60	274.04	3.896	
8,500.00	7,032.47	7,049.47	7,049.47	28.72	248.03	90.17	1,202.91	-277.20	1,121.47	847.03	274.44	4.086	
8,600.00	7,032.89	7,049.89	7,049.89	30.09	248.04	90.19	1,202.91	-277.20	1,181.33	906.59	274.73	4.300	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER J 29-17D - Noble PR Well - Actual En

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448, 517-SRC Energy_ISCWSA REV 2 MWD

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
600.00	598.71	586.25	586.25	3.63	15.49	27.39	-181.59	1,203.37	1,192.15	1,172.25	19.90	59.910	
700.00	697.79	682.93	682.93	3.77	15.49	27.68	-181.52	1,203.61	1,180.38	1,160.35	20.03	58.923	
800.00	796.87	780.75	780.75	3.94	15.50	27.98	-181.52	1,203.99	1,168.80	1,148.61	20.19	57.881	
900.00	895.96	879.60	879.60	4.14	15.52	28.29	-181.60	1,204.46	1,157.35	1,136.97	20.37	56.808	
1,000.00	995.04	982.00	981.99	4.35	15.54	28.63	-181.82	1,204.75	1,145.77	1,125.20	20.58	55.687	
1,100.00	1,094.13	1,082.74	1,082.74	4.58	15.56	28.98	-182.13	1,204.77	1,133.99	1,113.20	20.79	54.536	
1,200.00	1,193.21	1,182.15	1,182.15	4.82	15.59	29.32	-182.27	1,204.77	1,122.19	1,101.16	21.03	53.371	
1,300.00	1,292.29	1,276.03	1,276.03	5.07	15.61	29.66	-182.67	1,204.87	1,110.60	1,089.33	21.27	52.208	
1,400.00	1,391.38	1,372.32	1,372.26	5.33	15.65	30.14	-185.49	1,204.89	1,099.49	1,077.95	21.54	51.056	
1,500.00	1,490.46	1,458.68	1,458.41	5.61	15.69	30.76	-191.49	1,204.76	1,089.15	1,067.35	21.81	49.947	
1,600.00	1,589.55	1,554.94	1,554.28	5.88	15.73	31.56	-200.20	1,204.94	1,079.78	1,057.68	22.10	48.862	
1,700.00	1,688.63	1,659.48	1,658.08	6.17	15.80	32.61	-212.46	1,203.59	1,069.87	1,047.46	22.42	47.729	
1,800.00	1,787.72	1,739.00	1,736.69	6.46	15.85	33.56	-224.42	1,202.69	1,061.33	1,038.61	22.73	46.703	
1,900.00	1,886.80	1,816.44	1,813.05	6.62	15.92	34.54	-237.29	1,202.75	1,054.86	1,032.16	22.71	46.459	
2,000.00	1,985.88	1,884.00	1,879.66	6.65	15.98	35.38	-248.44	1,204.50	1,051.21	1,028.46	22.75	46.211	
2,063.01	2,048.32	1,927.39	1,922.42	6.68	16.02	35.89	-255.40	1,206.72	1,050.54	1,027.76	22.78	46.119	CC, ES
2,100.00	2,084.97	1,952.01	1,946.68	6.69	16.04	36.17	-259.30	1,208.40	1,050.77	1,027.98	22.79	46.106	
2,200.00	2,184.05	2,032.18	2,025.64	6.75	16.12	37.01	-271.23	1,215.49	1,053.18	1,030.31	22.87	46.050	
2,300.00	2,283.14	2,117.94	2,110.15	6.82	16.22	37.79	-282.46	1,224.75	1,057.17	1,034.18	22.98	46.003	
2,400.00	2,382.22	2,202.02	2,192.83	6.91	16.32	38.57	-294.01	1,234.74	1,062.65	1,039.55	23.10	45.998	SF
2,500.00	2,481.31	2,277.35	2,266.63	7.01	16.43	39.29	-305.47	1,244.55	1,070.06	1,046.85	23.20	46.115	
2,600.00	2,580.39	2,357.37	2,344.70	7.12	16.56	40.05	-318.23	1,256.65	1,079.90	1,056.57	23.33	46.280	
2,700.00	2,679.47	2,450.61	2,435.53	7.25	16.73	40.88	-332.73	1,271.86	1,090.99	1,067.45	23.54	46.352	
2,800.00	2,778.56	2,530.55	2,513.24	7.38	16.88	41.63	-346.15	1,284.94	1,102.97	1,079.28	23.69	46.552	
2,900.00	2,877.64	2,613.64	2,593.56	7.53	17.07	42.42	-361.41	1,299.82	1,117.20	1,093.32	23.88	46.783	
3,000.00	2,976.73	2,699.43	2,676.28	7.68	17.29	43.26	-378.07	1,315.24	1,132.37	1,108.27	24.10	46.989	
3,100.00	3,075.81	2,782.17	2,755.69	7.85	17.52	44.09	-395.36	1,330.81	1,149.24	1,124.92	24.32	47.263	
3,200.00	3,174.90	2,874.23	2,843.80	8.02	17.81	45.01	-415.27	1,348.52	1,167.18	1,142.58	24.60	47.448	
3,300.00	3,273.98	3,002.48	2,966.89	8.21	18.19	46.23	-442.15	1,372.45	1,184.73	1,159.64	25.09	47.224	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER J 29-18D - Noble SI Well - Actual Ens

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448, 554-SRC Energy_ISCWSA REV 2 MWD

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	100.34	-185.04	1,014.42	1,031.22				
100.00	100.00	89.00	89.00	3.28	3.56	100.34	-185.04	1,014.42	1,031.16	1,023.53	7.63	135.152	
200.00	200.00	189.00	189.00	3.31	5.73	100.34	-185.04	1,014.42	1,031.16	1,021.34	9.82	104.964	
300.00	299.98	288.98	288.98	3.35	8.87	28.40	-185.04	1,014.42	1,029.63	1,016.62	13.01	79.161	
400.00	399.84	388.84	388.84	3.42	12.22	28.58	-185.04	1,014.42	1,025.03	1,008.59	16.43	62.386	
500.00	499.45	488.62	488.62	3.51	14.99	28.89	-185.02	1,014.42	1,017.37	998.09	19.29	52.749	
600.00	598.71	588.14	588.14	3.63	16.12	29.30	-184.77	1,014.44	1,006.69	986.15	20.54	49.014	
700.00	697.79	687.13	687.13	3.77	16.13	29.69	-184.85	1,014.38	994.87	974.20	20.67	48.125	
800.00	796.87	786.01	786.01	3.94	16.14	30.09	-185.08	1,014.31	983.12	962.29	20.83	47.190	
900.00	895.96	885.01	885.01	4.14	16.15	30.49	-185.15	1,014.29	971.43	950.41	21.01	46.230	
1,000.00	995.04	984.23	984.23	4.35	16.17	30.92	-185.45	1,014.21	959.78	938.56	21.21	45.241	
1,100.00	1,094.13	1,083.74	1,083.74	4.58	16.20	31.38	-186.08	1,014.03	948.16	926.72	21.43	44.236	
1,200.00	1,193.21	1,183.51	1,183.50	4.82	16.22	31.85	-186.72	1,013.77	936.53	914.86	21.67	43.220	
1,300.00	1,292.29	1,282.22	1,282.21	5.07	16.25	32.34	-187.45	1,013.46	924.93	903.01	21.92	42.196	
1,400.00	1,391.38	1,381.30	1,381.28	5.33	16.29	32.86	-188.48	1,013.13	913.46	891.27	22.18	41.178	
1,500.00	1,490.46	1,485.84	1,485.82	5.61	16.33	33.43	-189.68	1,012.38	901.72	879.26	22.46	40.142	
1,600.00	1,589.55	1,599.96	1,599.90	5.88	16.38	34.12	-191.22	1,010.41	889.21	866.45	22.75	39.080	
1,700.00	1,688.63	1,724.51	1,724.22	6.17	16.44	35.12	-195.45	1,004.16	874.21	851.16	23.05	37.933	
1,800.00	1,787.72	1,838.86	1,837.94	6.46	16.52	36.38	-202.81	994.87	857.43	834.08	23.35	36.714	
1,900.00	1,886.80	1,963.53	1,961.46	6.62	16.61	37.96	-211.46	980.42	837.82	814.49	23.33	35.918	
2,000.00	1,985.88	2,071.04	2,067.27	6.65	16.71	39.67	-221.74	964.42	816.52	793.08	23.43	34.843	
2,100.00	2,084.97	2,185.64	2,179.23	6.69	16.86	41.88	-235.53	944.30	794.39	770.82	23.57	33.703	
2,200.00	2,184.05	2,293.02	2,283.04	6.75	17.02	44.35	-250.52	921.32	770.41	746.64	23.77	32.412	
2,300.00	2,283.14	2,369.96	2,356.98	6.82	17.17	46.37	-263.10	904.14	747.89	723.82	24.06	31.078	
2,400.00	2,382.22	2,449.93	2,433.73	6.91	17.31	48.64	-278.07	887.41	728.97	704.60	24.37	29.913	
2,500.00	2,481.31	2,546.33	2,526.30	7.01	17.51	51.49	-296.32	867.68	712.31	687.61	24.70	28.835	
2,600.00	2,580.39	2,653.19	2,628.54	7.12	17.77	54.86	-316.30	843.94	696.09	671.00	25.09	27.744	
2,700.00	2,679.47	2,759.83	2,730.09	7.25	18.07	58.45	-335.31	817.52	679.59	654.05	25.54	26.610	
2,800.00	2,778.56	2,851.90	2,817.13	7.38	18.37	61.83	-352.35	792.82	664.47	638.43	26.04	25.515	
2,900.00	2,877.64	2,937.81	2,898.54	7.53	18.64	65.04	-367.80	770.17	652.03	625.49	26.53	24.573	
3,000.00	2,976.73	3,015.72	2,972.97	7.68	18.88	67.88	-381.36	751.55	643.45	616.45	26.99	23.836	
3,100.00	3,075.81	3,088.80	3,042.78	7.85	19.13	70.59	-395.64	735.33	639.92	612.50	27.42	23.335	
3,164.01	3,139.24	3,152.05	3,102.97	7.96	19.37	72.99	-408.79	721.06	639.58	611.79	27.79	23.017	
3,200.00	3,174.90	3,191.42	3,140.38	8.02	19.52	74.51	-416.83	711.80	639.63	611.62	28.01	22.837	
3,300.00	3,273.98	3,303.12	3,247.07	8.21	19.94	78.69	-436.57	685.28	639.38	610.77	28.62	22.342	
3,330.15	3,303.86	3,335.02	3,277.65	8.26	20.06	79.86	-441.56	677.69	639.36	610.57	28.79	22.210	CC, ES
3,400.00	3,373.06	3,393.98	3,334.34	8.40	20.27	81.96	-450.53	664.20	640.21	611.11	29.10	21.998	
3,500.00	3,472.15	3,484.24	3,421.62	8.59	20.59	85.00	-464.06	645.61	644.11	614.55	29.55	21.794	
3,600.00	3,571.23	3,576.28	3,511.01	8.80	20.92	87.93	-477.33	628.11	650.15	620.15	30.00	21.672	
3,700.00	3,670.32	3,686.25	3,618.38	9.01	21.30	91.16	-491.59	609.20	657.34	626.82	30.51	21.545	
3,800.00	3,769.40	3,771.23	3,701.89	9.23	21.56	93.38	-501.49	597.01	665.51	634.65	30.86	21.568	
3,900.00	3,868.48	3,864.43	3,792.95	9.45	21.90	95.98	-513.27	581.09	675.51	644.25	31.26	21.606	
4,000.00	3,967.57	3,943.79	3,869.42	9.67	22.24	98.49	-525.04	563.47	688.46	656.86	31.61	21.782	
4,100.00	4,066.65	4,033.61	3,955.31	9.91	22.68	101.40	-539.31	541.44	704.22	672.20	32.02	21.995	
4,200.00	4,165.74	4,109.43	4,027.52	10.14	23.07	103.82	-552.36	522.38	723.25	690.95	32.30	22.394	
4,300.00	4,264.82	4,214.34	4,127.42	10.38	23.60	107.00	-570.61	496.05	744.43	711.64	32.78	22.707	
4,400.00	4,363.91	4,348.63	4,256.85	10.63	24.20	110.60	-589.26	465.58	764.06	730.63	33.43	22.858	
4,500.00	4,462.99	4,434.76	4,340.78	10.87	24.56	112.60	-598.87	448.79	782.14	748.40	33.74	23.183	
4,600.00	4,562.07	4,562.00	4,465.32	11.12	25.04	115.24	-612.24	426.58	800.50	766.24	34.26	23.365	
4,700.00	4,661.16	4,675.20	4,577.27	11.38	25.38	117.13	-620.92	412.31	816.13	781.46	34.67	23.543	
4,800.00	4,760.24	4,798.72	4,700.09	11.64	25.70	118.79	-628.52	401.75	830.24	795.16	35.08	23.668	
4,900.00	4,859.33	4,898.53	4,799.59	11.90	25.91	119.98	-633.03	395.18	842.72	807.32	35.40	23.804	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER J 29-18D - Noble SI Well - Actual Ens

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448, 554-SRC Energy_ISCWSA REV 2 MWD

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,958.41	4,993.91	4,894.71	12.16	26.10	120.97	-637.97	390.39	855.80	820.09	35.72	23.962	
5,100.00	5,057.50	5,099.18	4,999.80	12.42	26.30	121.90	-643.40	387.35	868.61	832.55	36.06	24.090	
5,200.00	5,156.58	5,246.31	5,146.81	12.69	26.53	123.16	-646.73	383.88	878.81	842.36	36.45	24.107	
5,300.00	5,255.66	5,352.12	5,252.63	12.96	26.65	124.01	-645.73	383.08	885.62	848.84	36.78	24.080	
5,400.00	5,354.75	5,451.00	5,351.50	13.23	26.76	124.74	-644.82	383.07	892.40	855.30	37.10	24.053	
5,500.00	5,453.83	5,546.12	5,446.61	13.50	26.87	125.40	-644.22	383.39	899.51	862.08	37.43	24.031	
5,600.00	5,552.92	5,639.94	5,540.44	13.78	26.98	126.04	-644.18	383.63	907.31	869.55	37.76	24.026	
5,700.00	5,652.00	5,746.94	5,647.42	14.05	27.09	126.70	-644.35	384.88	915.15	877.04	38.10	24.017	
5,800.00	5,751.09	5,846.69	5,747.13	14.33	27.20	127.19	-644.31	387.91	922.28	883.82	38.45	23.985	
5,900.00	5,850.17	5,930.40	5,830.82	14.61	27.29	127.66	-644.86	389.28	930.59	891.80	38.79	23.991	
6,000.00	5,949.25	6,020.12	5,920.53	14.89	27.42	128.25	-646.23	388.73	940.57	901.44	39.14	24.033	
6,100.00	6,048.34	6,123.76	6,024.15	15.18	27.58	128.93	-647.73	387.90	950.68	911.17	39.51	24.062	
6,200.00	6,147.42	6,223.66	6,124.05	15.46	27.72	129.55	-648.96	387.56	960.54	920.66	39.88	24.086	
6,300.00	6,246.51	6,321.75	6,222.13	15.74	27.86	130.12	-650.44	387.71	970.57	930.32	40.25	24.112	
6,400.00	6,345.70	6,424.86	6,325.22	16.01	28.01	142.84	-651.94	388.13	980.18	939.56	40.63	24.127	
6,500.00	6,445.51	6,527.88	6,428.23	16.18	28.16	-93.86	-652.93	388.46	984.62	943.66	40.96	24.038	
6,600.00	6,543.99	6,626.61	6,526.96	16.29	28.29	-78.34	-653.77	388.88	982.98	941.66	41.33	23.785	
6,700.00	6,638.74	6,721.32	6,621.67	16.35	28.43	-76.85	-654.60	389.42	976.18	934.45	41.73	23.393	
6,800.00	6,727.41	6,809.66	6,710.00	16.39	28.55	-78.51	-655.40	390.03	965.77	923.59	42.18	22.898	
6,900.00	6,807.81	6,890.31	6,790.64	16.41	28.67	-81.53	-656.13	390.63	953.88	911.20	42.69	22.346	
7,000.00	6,877.98	6,961.17	6,861.50	16.46	28.77	-85.02	-656.66	391.06	943.06	899.79	43.27	21.793	
7,100.00	6,936.18	7,020.04	6,920.37	16.57	28.86	-88.23	-657.03	391.33	936.10	892.16	43.94	21.305	
7,157.35	6,963.59	7,047.78	6,948.11	16.69	28.90	-89.69	-657.17	391.45	934.88	890.52	44.36	21.073	
7,200.00	6,980.98	7,065.32	6,965.65	16.78	28.92	-90.53	-657.25	391.54	935.61	890.95	44.67	20.946	
7,300.00	7,011.28	7,095.69	6,996.02	17.11	28.97	-91.45	-657.38	391.69	943.64	898.22	45.42	20.777	SF
7,400.00	7,026.32	7,110.45	7,010.77	17.54	28.99	-90.68	-657.44	391.77	961.16	915.03	46.13	20.837	
7,500.00	7,028.24	7,111.82	7,012.15	18.08	28.99	-89.77	-657.44	391.78	988.09	941.34	46.75	21.137	
7,600.00	7,028.66	7,111.68	7,012.01	18.75	28.99	-89.76	-657.44	391.78	1,024.06	976.75	47.31	21.647	
7,700.00	7,029.09	7,111.54	7,011.87	19.55	28.99	-89.75	-657.44	391.78	1,068.21	1,020.42	47.79	22.354	
7,800.00	7,029.51	7,111.41	7,011.73	20.44	28.99	-89.74	-657.44	391.78	1,119.57	1,071.39	48.18	23.237	
7,900.00	7,029.93	7,111.27	7,011.60	21.43	28.99	-89.74	-657.44	391.78	1,177.20	1,128.71	48.50	24.273	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER J 29-21D (Need Directional Surveys)

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	100.00	-183.23	1,038.66	1,054.76				
100.00	100.00	89.00	89.00	3.28	3.56	100.00	-183.23	1,038.66	1,054.70	1,047.07	7.63	138.238	
200.00	200.00	189.00	189.00	3.31	5.73	100.00	-183.23	1,038.66	1,054.70	1,044.88	9.82	107.360	
300.00	299.98	288.98	288.98	3.35	8.87	28.06	-183.23	1,038.66	1,053.16	1,040.15	13.01	80.971	
400.00	399.84	388.84	388.84	3.42	12.22	28.24	-183.23	1,038.66	1,048.54	1,032.11	16.43	63.817	
500.00	499.45	488.45	488.45	3.51	15.65	28.54	-183.23	1,038.66	1,040.87	1,020.92	19.95	52.176	
600.00	598.71	587.71	587.71	3.63	19.11	28.95	-183.23	1,038.66	1,030.19	1,006.67	23.52	43.801	
700.00	697.79	686.79	686.79	3.77	22.57	29.32	-183.23	1,038.66	1,018.37	991.25	27.12	37.557	
800.00	796.87	785.87	785.87	3.94	26.05	29.70	-183.23	1,038.66	1,006.59	975.85	30.74	32.742	
900.00	895.96	884.96	884.96	4.14	29.54	30.08	-183.23	1,038.66	994.86	960.46	34.40	28.924	
1,000.00	995.04	984.04	984.04	4.35	33.03	30.47	-183.23	1,038.66	983.17	945.10	38.07	25.826	
1,100.00	1,094.13	1,083.13	1,083.13	4.58	36.52	30.88	-183.23	1,038.66	971.53	929.77	41.76	23.264	
1,200.00	1,193.21	1,182.21	1,182.21	4.82	40.02	31.29	-183.23	1,038.66	959.94	914.47	45.47	21.113	
1,300.00	1,292.29	1,281.29	1,281.29	5.07	43.52	31.71	-183.23	1,038.66	948.40	899.21	49.19	19.282	
1,400.00	1,391.38	1,380.38	1,380.38	5.33	47.02	32.15	-183.23	1,038.66	936.91	883.99	52.92	17.705	
1,500.00	1,490.46	1,479.46	1,479.46	5.61	50.53	32.59	-183.23	1,038.66	925.48	868.82	56.66	16.335	
1,600.00	1,589.55	1,578.55	1,578.55	5.88	54.03	33.04	-183.23	1,038.66	914.10	853.69	60.40	15.133	
1,700.00	1,688.63	1,677.63	1,677.63	6.17	57.53	33.51	-183.23	1,038.66	902.78	838.62	64.16	14.070	
1,800.00	1,787.72	1,776.72	1,776.72	6.46	61.04	33.99	-183.23	1,038.66	891.52	823.59	67.92	13.125	
1,900.00	1,886.80	1,875.80	1,875.80	6.62	64.55	34.48	-183.23	1,038.66	880.32	808.96	71.36	12.336	
2,000.00	1,985.88	1,974.88	1,974.88	6.65	68.05	34.98	-183.23	1,038.66	869.19	794.30	74.89	11.606	
2,100.00	2,084.97	2,073.97	2,073.97	6.69	71.56	35.50	-183.23	1,038.66	858.13	779.69	78.44	10.940	
2,200.00	2,184.05	2,173.05	2,173.05	6.75	75.07	36.02	-183.23	1,038.66	847.14	765.14	82.00	10.331	
2,300.00	2,283.14	2,272.14	2,272.14	6.82	78.57	36.57	-183.23	1,038.66	836.22	750.65	85.57	9.772	
2,400.00	2,382.22	2,371.22	2,371.22	6.91	82.08	37.12	-183.23	1,038.66	825.38	736.22	89.16	9.257	
2,500.00	2,481.31	2,470.31	2,470.31	7.01	85.59	37.69	-183.23	1,038.66	814.62	721.86	92.76	8.782	
2,600.00	2,580.39	2,569.39	2,569.39	7.12	89.10	38.28	-183.23	1,038.66	803.94	707.56	96.38	8.342	
2,700.00	2,679.47	2,668.47	2,668.47	7.25	92.61	38.88	-183.23	1,038.66	793.35	693.35	100.00	7.933	
2,800.00	2,778.56	2,767.56	2,767.56	7.38	96.12	39.50	-183.23	1,038.66	782.84	679.20	103.64	7.553	
2,900.00	2,877.64	2,866.64	2,866.64	7.53	99.62	40.14	-183.23	1,038.66	772.43	665.14	107.29	7.199	
3,000.00	2,976.73	2,965.73	2,965.73	7.68	103.13	40.79	-183.23	1,038.66	762.12	651.17	110.95	6.869	
3,100.00	3,075.81	3,064.81	3,064.81	7.85	106.64	41.46	-183.23	1,038.66	751.91	637.29	114.62	6.560	
3,200.00	3,174.90	3,163.90	3,163.90	8.02	110.15	42.14	-183.23	1,038.66	741.80	623.50	118.30	6.271	
3,300.00	3,273.98	3,262.98	3,262.98	8.21	113.66	42.85	-183.23	1,038.66	731.80	609.82	121.99	5.999	
3,400.00	3,373.06	3,362.06	3,362.06	8.40	117.17	43.58	-183.23	1,038.66	721.92	596.24	125.68	5.744	
3,500.00	3,472.15	3,461.15	3,461.15	8.59	120.68	44.32	-183.23	1,038.66	712.16	582.77	129.39	5.504	
3,600.00	3,571.23	3,560.23	3,560.23	8.80	124.19	45.09	-183.23	1,038.66	702.52	569.41	133.10	5.278	
3,700.00	3,670.32	3,659.32	3,659.32	9.01	127.70	45.87	-183.23	1,038.66	693.00	556.18	136.82	5.065	
3,800.00	3,769.40	3,758.40	3,758.40	9.23	131.21	46.68	-183.23	1,038.66	683.63	543.08	140.55	4.864	
3,900.00	3,868.48	3,857.48	3,857.48	9.45	134.72	47.51	-183.23	1,038.66	674.39	530.11	144.28	4.674	
4,000.00	3,967.57	3,956.57	3,956.57	9.67	138.23	48.37	-183.23	1,038.66	665.30	517.28	148.02	4.495	
4,100.00	4,066.65	4,055.65	4,055.65	9.91	141.74	49.24	-183.23	1,038.66	656.36	504.60	151.76	4.325	
4,200.00	4,165.74	4,154.74	4,154.74	10.14	145.25	50.14	-183.23	1,038.66	647.58	492.07	155.51	4.164	
4,300.00	4,264.82	4,253.82	4,253.82	10.38	148.76	51.07	-183.23	1,038.66	638.96	479.70	159.26	4.012	
4,400.00	4,363.91	4,352.91	4,352.91	10.63	152.27	52.02	-183.23	1,038.66	630.52	467.50	163.02	3.868	
4,500.00	4,462.99	4,451.99	4,451.99	10.87	155.78	52.99	-183.23	1,038.66	622.25	455.47	166.78	3.731	
4,600.00	4,562.07	4,551.07	4,551.07	11.12	159.29	53.99	-183.23	1,038.66	614.17	443.62	170.55	3.601	
4,700.00	4,661.16	4,650.16	4,650.16	11.38	162.80	55.02	-183.23	1,038.66	606.28	431.96	174.32	3.478	
4,800.00	4,760.24	4,749.24	4,749.24	11.64	166.31	56.07	-183.23	1,038.66	598.59	420.50	178.10	3.361	
4,900.00	4,859.33	4,848.33	4,848.33	11.90	169.82	57.15	-183.23	1,038.66	591.11	409.24	181.87	3.250	
5,000.00	4,958.41	4,947.41	4,947.41	12.16	173.33	58.25	-183.23	1,038.66	583.85	398.19	185.66	3.145	
5,100.00	5,057.50	5,046.50	5,046.50	12.42	176.84	59.39	-183.23	1,038.66	576.81	387.37	189.44	3.045	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER J 29-21D (Need Directional Surveys)

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,145.58	5,145.58	12.69	180.35	60.55	-183.23	1,038.66	570.01	376.78	193.23	2.950	
5,300.00	5,255.66	5,244.66	5,244.66	12.96	183.86	61.73	-183.23	1,038.66	563.44	366.42	197.02	2.860	
5,400.00	5,354.75	5,343.75	5,343.75	13.23	187.37	62.95	-183.23	1,038.66	557.13	356.31	200.82	2.774	
5,500.00	5,453.83	5,442.83	5,442.83	13.50	190.88	64.19	-183.23	1,038.66	551.07	346.46	204.61	2.693	
5,600.00	5,552.92	5,541.92	5,541.92	13.78	194.39	65.46	-183.23	1,038.66	545.29	336.87	208.41	2.616	
5,700.00	5,652.00	5,641.00	5,641.00	14.05	197.90	66.75	-183.23	1,038.66	539.77	327.56	212.22	2.544	
5,800.00	5,751.09	5,740.09	5,740.09	14.33	201.41	68.07	-183.23	1,038.66	534.55	318.53	216.02	2.475	
5,900.00	5,850.17	5,839.17	5,839.17	14.61	204.92	69.41	-183.23	1,038.66	529.61	309.78	219.83	2.409	
6,000.00	5,949.25	5,938.25	5,938.25	14.89	208.43	70.78	-183.23	1,038.66	524.98	301.34	223.64	2.347	
6,100.00	6,048.34	6,037.34	6,037.34	15.18	211.94	72.17	-183.23	1,038.66	520.65	293.21	227.45	2.289	
6,200.00	6,147.42	6,136.42	6,136.42	15.46	215.45	73.59	-183.23	1,038.66	516.64	285.39	231.26	2.234	
6,300.00	6,246.51	6,235.51	6,235.51	15.74	218.96	75.02	-183.23	1,038.66	512.96	277.89	235.07	2.182	
6,400.00	6,345.70	6,334.70	6,334.70	16.01	222.48	88.28	-183.23	1,038.66	510.13	271.26	238.87	2.136	
6,402.99	6,348.68	6,337.68	6,337.68	16.02	222.58	90.00	-183.23	1,038.66	510.13	271.14	238.98	2.135	CC, ES
6,500.00	6,445.51	6,434.51	6,434.51	16.18	226.01	-148.13	-183.23	1,038.66	514.03	271.44	242.59	2.119	SF
6,600.00	6,543.99	6,532.99	6,532.99	16.29	229.50	-131.80	-183.23	1,038.66	526.20	280.03	246.18	2.138	
6,700.00	6,638.74	6,627.74	6,627.74	16.35	232.86	-128.86	-183.23	1,038.66	547.17	297.61	249.56	2.193	
6,800.00	6,727.41	6,716.41	6,716.41	16.39	236.00	-128.20	-183.23	1,038.66	577.90	325.23	252.67	2.287	
6,900.00	6,807.81	6,803.19	6,796.81	16.41	239.07	-127.86	-183.23	1,038.66	619.30	363.61	255.68	2.422	
7,000.00	6,877.98	6,866.98	6,866.98	16.46	241.33	-126.85	-183.23	1,038.66	671.78	413.91	257.86	2.605	
7,100.00	6,936.18	6,925.18	6,925.18	16.57	243.40	-124.35	-183.23	1,038.66	734.99	475.14	259.85	2.828	
7,200.00	6,980.98	6,969.98	6,969.98	16.78	244.98	-119.44	-183.23	1,038.66	807.77	546.40	261.38	3.090	
7,300.00	7,011.28	7,000.28	7,000.28	17.11	246.06	-110.95	-183.23	1,038.66	888.32	625.92	262.40	3.385	
7,400.00	7,026.32	7,015.32	7,015.32	17.54	246.59	-97.74	-183.23	1,038.66	974.35	711.45	262.90	3.706	
7,500.00	7,028.24	7,017.24	7,017.24	18.08	246.66	-90.50	-183.23	1,038.66	1,063.44	800.50	262.95	4.044	
7,600.00	7,028.66	7,017.66	7,017.66	18.75	246.67	-90.55	-183.23	1,038.66	1,154.32	891.37	262.96	4.390	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER J 29-27D (Need Directional Surveys)

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	99.42	-180.31	1,087.14	1,102.05				
100.00	100.00	89.00	89.00	3.28	3.56	99.42	-180.31	1,087.14	1,101.99	1,094.36	7.63	144.436	
200.00	200.00	189.00	189.00	3.31	5.73	99.42	-180.31	1,087.14	1,101.99	1,092.17	9.82	112.174	
300.00	299.98	288.98	288.98	3.35	8.87	27.47	-180.31	1,087.14	1,100.44	1,087.44	13.01	84.606	
400.00	399.84	388.84	388.84	3.42	12.22	27.64	-180.31	1,087.14	1,095.80	1,079.37	16.43	66.694	
500.00	499.45	488.45	488.45	3.51	15.65	27.93	-180.31	1,087.14	1,088.08	1,068.14	19.95	54.542	
600.00	598.71	587.71	587.71	3.63	19.11	28.32	-180.31	1,087.14	1,077.34	1,053.82	23.52	45.806	
700.00	697.79	686.79	686.79	3.77	22.57	28.66	-180.31	1,087.14	1,065.45	1,038.33	27.12	39.293	
800.00	796.87	785.87	785.87	3.94	26.05	29.01	-180.31	1,087.14	1,053.60	1,022.85	30.74	34.271	
900.00	895.96	884.96	884.96	4.14	29.54	29.37	-180.31	1,087.14	1,041.78	1,007.39	34.40	30.289	
1,000.00	995.04	984.04	984.04	4.35	33.03	29.74	-180.31	1,087.14	1,030.01	991.94	38.07	27.057	
1,100.00	1,094.13	1,083.13	1,083.13	4.58	36.52	30.12	-180.31	1,087.14	1,018.28	976.52	41.76	24.385	
1,200.00	1,193.21	1,182.21	1,182.21	4.82	40.02	30.50	-180.31	1,087.14	1,006.60	961.13	45.46	22.140	
1,300.00	1,292.29	1,281.29	1,281.29	5.07	43.52	30.90	-180.31	1,087.14	994.96	945.78	49.18	20.230	
1,400.00	1,391.38	1,380.38	1,380.38	5.33	47.02	31.30	-180.31	1,087.14	983.37	930.46	52.91	18.585	
1,500.00	1,490.46	1,479.46	1,479.46	5.61	50.53	31.71	-180.31	1,087.14	971.83	915.18	56.65	17.154	
1,600.00	1,589.55	1,578.55	1,578.55	5.88	54.03	32.13	-180.31	1,087.14	960.34	899.94	60.40	15.900	
1,700.00	1,688.63	1,677.63	1,677.63	6.17	57.53	32.57	-180.31	1,087.14	948.90	884.75	64.16	14.791	
1,800.00	1,787.72	1,776.72	1,776.72	6.46	61.04	33.01	-180.31	1,087.14	937.52	869.60	67.92	13.804	
1,900.00	1,886.80	1,875.80	1,875.80	6.62	64.55	33.46	-180.31	1,087.14	926.20	854.84	71.35	12.980	
2,000.00	1,985.88	1,974.88	1,974.88	6.65	68.05	33.93	-180.31	1,087.14	914.93	840.05	74.88	12.218	
2,100.00	2,084.97	2,073.97	2,073.97	6.69	71.56	34.40	-180.31	1,087.14	903.73	825.30	78.43	11.523	
2,200.00	2,184.05	2,173.05	2,173.05	6.75	75.07	34.89	-180.31	1,087.14	892.59	810.60	81.99	10.887	
2,300.00	2,283.14	2,272.14	2,272.14	6.82	78.57	35.39	-180.31	1,087.14	881.51	795.95	85.56	10.303	
2,400.00	2,382.22	2,371.22	2,371.22	6.91	82.08	35.91	-180.31	1,087.14	870.50	781.36	89.15	9.765	
2,500.00	2,481.31	2,470.31	2,470.31	7.01	85.59	36.43	-180.31	1,087.14	859.57	766.82	92.75	9.268	
2,600.00	2,580.39	2,569.39	2,569.39	7.12	89.10	36.97	-180.31	1,087.14	848.71	752.34	96.36	8.807	
2,700.00	2,679.47	2,668.47	2,668.47	7.25	92.61	37.52	-180.31	1,087.14	837.92	737.93	99.99	8.380	
2,800.00	2,778.56	2,767.56	2,767.56	7.38	96.12	38.09	-180.31	1,087.14	827.22	723.59	103.63	7.983	
2,900.00	2,877.64	2,866.64	2,866.64	7.53	99.62	38.67	-180.31	1,087.14	816.60	709.32	107.27	7.612	
3,000.00	2,976.73	2,965.73	2,965.73	7.68	103.13	39.27	-180.31	1,087.14	806.06	695.13	110.93	7.266	
3,100.00	3,075.81	3,064.81	3,064.81	7.85	106.64	39.89	-180.31	1,087.14	795.62	681.01	114.60	6.942	
3,200.00	3,174.90	3,163.90	3,163.90	8.02	110.15	40.51	-180.31	1,087.14	785.26	666.98	118.28	6.639	
3,300.00	3,273.98	3,262.98	3,262.98	8.21	113.66	41.16	-180.31	1,087.14	775.01	653.04	121.97	6.354	
3,400.00	3,373.06	3,362.06	3,362.06	8.40	117.17	41.82	-180.31	1,087.14	764.85	639.19	125.66	6.087	
3,500.00	3,472.15	3,461.15	3,461.15	8.59	120.68	42.50	-180.31	1,087.14	754.80	625.44	129.37	5.835	
3,600.00	3,571.23	3,560.23	3,560.23	8.80	124.19	43.20	-180.31	1,087.14	744.86	611.78	133.08	5.597	
3,700.00	3,670.32	3,659.32	3,659.32	9.01	127.70	43.92	-180.31	1,087.14	735.04	598.24	136.80	5.373	
3,800.00	3,769.40	3,758.40	3,758.40	9.23	131.21	44.66	-180.31	1,087.14	725.33	584.81	140.52	5.162	
3,900.00	3,868.48	3,857.48	3,857.48	9.45	134.72	45.41	-180.31	1,087.14	715.74	571.49	144.25	4.962	
4,000.00	3,967.57	3,956.57	3,956.57	9.67	138.23	46.19	-180.31	1,087.14	706.28	558.30	147.99	4.773	
4,100.00	4,066.65	4,055.65	4,055.65	9.91	141.74	46.99	-180.31	1,087.14	696.96	545.23	151.73	4.593	
4,200.00	4,165.74	4,154.74	4,154.74	10.14	145.25	47.81	-180.31	1,087.14	687.77	532.30	155.47	4.424	
4,300.00	4,264.82	4,253.82	4,253.82	10.38	148.76	48.65	-180.31	1,087.14	678.73	519.51	159.23	4.263	
4,400.00	4,363.91	4,352.91	4,352.91	10.63	152.27	49.51	-180.31	1,087.14	669.84	506.86	162.98	4.110	
4,500.00	4,462.99	4,451.99	4,451.99	10.87	155.78	50.39	-180.31	1,087.14	661.10	494.36	166.74	3.965	
4,600.00	4,562.07	4,551.07	4,551.07	11.12	159.29	51.30	-180.31	1,087.14	652.53	482.02	170.51	3.827	
4,700.00	4,661.16	4,650.16	4,650.16	11.38	162.80	52.23	-180.31	1,087.14	644.13	469.85	174.28	3.696	
4,800.00	4,760.24	4,749.24	4,749.24	11.64	166.31	53.19	-180.31	1,087.14	635.90	457.85	178.05	3.571	
4,900.00	4,859.33	4,848.33	4,848.33	11.90	169.82	54.17	-180.31	1,087.14	627.85	446.03	181.82	3.453	
5,000.00	4,958.41	4,947.41	4,947.41	12.16	173.33	55.18	-180.31	1,087.14	620.00	434.39	185.60	3.340	
5,100.00	5,057.50	5,046.50	5,046.50	12.42	176.84	56.21	-180.31	1,087.14	612.34	422.95	189.39	3.233	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - BENSLER J 29-27D (Need Directional Surveys)

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,145.58	5,145.58	12.69	180.35	57.26	-180.31	1,087.14	604.89	411.71	193.17	3.131	
5,300.00	5,255.66	5,244.66	5,244.66	12.96	183.86	58.34	-180.31	1,087.14	597.64	400.68	196.96	3.034	
5,400.00	5,354.75	5,343.75	5,343.75	13.23	187.37	59.45	-180.31	1,087.14	590.62	389.87	200.76	2.942	
5,500.00	5,453.83	5,442.83	5,442.83	13.50	190.88	60.58	-180.31	1,087.14	583.83	379.28	204.55	2.854	
5,600.00	5,552.92	5,541.92	5,541.92	13.78	194.39	61.74	-180.31	1,087.14	577.27	368.92	208.35	2.771	
5,700.00	5,652.00	5,641.00	5,641.00	14.05	197.90	62.93	-180.31	1,087.14	570.95	358.81	212.15	2.691	
5,800.00	5,751.09	5,740.09	5,740.09	14.33	201.41	64.14	-180.31	1,087.14	564.89	348.94	215.95	2.616	
5,900.00	5,850.17	5,839.17	5,839.17	14.61	204.92	65.38	-180.31	1,087.14	559.09	339.33	219.76	2.544	
6,000.00	5,949.25	5,938.25	5,938.25	14.89	208.43	66.64	-180.31	1,087.14	553.56	329.99	223.56	2.476	
6,100.00	6,048.34	6,037.34	6,037.34	15.18	211.94	67.92	-180.31	1,087.14	548.30	320.93	227.37	2.411	
6,200.00	6,147.42	6,136.42	6,136.42	15.46	215.45	69.23	-180.31	1,087.14	543.33	312.14	231.18	2.350	
6,300.00	6,246.51	6,235.51	6,235.51	15.74	218.96	70.56	-180.31	1,087.14	538.65	303.65	235.00	2.292	
6,400.00	6,345.70	6,334.70	6,334.70	16.01	222.48	83.71	-180.31	1,087.14	534.86	296.06	238.80	2.240	
6,409.78	6,355.45	6,344.45	6,344.45	16.03	222.82	90.00	-180.31	1,087.14	534.81	295.65	239.16	2.236	CC, ES
6,500.00	6,445.51	6,434.51	6,434.51	16.18	226.01	-152.70	-180.31	1,087.14	538.61	296.09	242.51	2.221	SF
6,600.00	6,543.99	6,532.99	6,532.99	16.29	229.50	-136.19	-180.31	1,087.14	551.64	305.53	246.11	2.241	
6,700.00	6,638.74	6,627.74	6,627.74	16.35	232.86	-132.94	-180.31	1,087.14	574.31	324.82	249.49	2.302	
6,800.00	6,727.41	6,716.41	6,716.41	16.39	236.00	-131.88	-180.31	1,087.14	607.31	354.70	252.61	2.404	
6,900.00	6,807.81	6,803.19	6,796.81	16.41	239.07	-131.12	-180.31	1,087.14	651.24	395.61	255.62	2.548	
7,000.00	6,877.98	6,866.98	6,866.98	16.46	241.33	-129.68	-180.31	1,087.14	706.21	448.40	257.81	2.739	
7,100.00	6,936.18	6,925.18	6,925.18	16.57	243.40	-126.76	-180.31	1,087.14	771.69	511.89	259.80	2.970	
7,200.00	6,980.98	6,969.98	6,969.98	16.78	244.98	-121.39	-180.31	1,087.14	846.43	585.10	261.33	3.239	
7,300.00	7,011.28	7,000.28	7,000.28	17.11	246.06	-112.31	-180.31	1,087.14	928.59	666.23	262.36	3.539	
7,400.00	7,026.32	7,015.32	7,015.32	17.54	246.59	-98.22	-180.31	1,087.14	1,015.92	753.06	262.86	3.865	
7,500.00	7,028.24	7,017.24	7,017.24	18.08	246.66	-90.53	-180.31	1,087.14	1,106.04	843.14	262.91	4.207	
7,600.00	7,028.66	7,017.66	7,017.66	18.75	246.67	-90.58	-180.31	1,087.14	1,197.74	934.82	262.92	4.556	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - KAMMERZELL 29-3H6 - Noble SI Well - No Surv

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	-1.00	3.28	3.28	-138.90	-199.63	-174.13	264.91				
100.00	100.00	101.00	99.00	3.28	3.74	-138.90	-199.63	-174.13	264.91	257.09	7.82	33.879	
200.00	200.00	201.00	199.00	3.31	6.28	-138.90	-199.63	-174.13	264.91	254.53	10.37	25.539	CC
300.00	299.98	301.02	298.98	3.35	9.48	149.27	-199.63	-174.13	266.41	252.78	13.62	19.559	
400.00	399.84	401.16	398.84	3.42	12.87	149.79	-199.63	-174.13	270.92	253.84	17.08	15.866	
500.00	499.45	501.55	498.45	3.51	16.33	150.62	-199.63	-174.13	278.49	257.86	20.63	13.498	
600.00	598.71	602.30	597.71	3.63	19.84	151.71	-199.63	-174.13	289.16	264.90	24.26	11.918	
700.00	697.79	703.21	696.79	3.77	23.38	152.93	-199.63	-174.13	301.14	273.21	27.93	10.782	
800.00	796.87	804.13	795.87	3.94	26.92	154.05	-199.63	-174.13	313.25	281.62	31.63	9.904	
900.00	895.96	905.04	894.96	4.14	30.47	155.09	-199.63	-174.13	325.46	290.11	35.35	9.207	
1,000.00	995.04	1,005.96	994.04	4.35	34.03	156.05	-199.63	-174.13	337.78	298.69	39.09	8.641	
1,100.00	1,094.13	1,106.87	1,093.13	4.58	37.59	156.95	-199.63	-174.13	350.18	307.33	42.85	8.172	
1,200.00	1,193.21	1,207.79	1,192.21	4.82	41.15	157.78	-199.63	-174.13	362.66	316.04	46.62	7.779	
1,300.00	1,292.29	1,308.71	1,291.29	5.07	44.72	158.56	-199.63	-174.13	375.21	324.80	50.40	7.444	
1,400.00	1,391.38	1,409.62	1,390.38	5.33	48.29	159.29	-199.63	-174.13	387.82	333.63	54.19	7.156	
1,500.00	1,490.46	1,489.46	1,489.46	5.61	51.11	159.97	-199.63	-174.13	400.49	343.24	57.25	6.996	
1,600.00	1,589.55	1,588.55	1,588.55	5.88	54.61	160.61	-199.63	-174.13	413.22	352.23	60.99	6.775	
1,700.00	1,688.63	1,687.63	1,687.63	6.17	58.12	161.21	-199.63	-174.13	425.99	361.25	64.74	6.580	
1,800.00	1,787.72	1,786.72	1,786.72	6.46	61.62	161.78	-199.63	-174.13	438.81	370.31	68.50	6.406	
1,900.00	1,886.80	1,885.80	1,885.80	6.62	65.13	162.32	-199.63	-174.13	451.66	379.74	71.93	6.280	
2,000.00	1,985.88	1,984.88	1,984.88	6.65	68.64	162.82	-199.63	-174.13	464.56	389.11	75.45	6.157	
2,100.00	2,084.97	2,083.97	2,083.97	6.69	72.14	163.30	-199.63	-174.13	477.48	398.50	78.98	6.046	
2,200.00	2,184.05	2,183.05	2,183.05	6.75	75.65	163.75	-199.63	-174.13	490.44	407.91	82.53	5.943	
2,300.00	2,283.14	2,282.14	2,282.14	6.82	79.16	164.18	-199.63	-174.13	503.43	417.33	86.10	5.847	
2,400.00	2,382.22	2,381.22	2,381.22	6.91	82.67	164.59	-199.63	-174.13	516.44	426.77	89.67	5.759	
2,500.00	2,481.31	2,480.31	2,480.31	7.01	86.17	164.98	-199.63	-174.13	529.48	436.21	93.27	5.677	
2,600.00	2,580.39	2,579.39	2,579.39	7.12	89.68	165.35	-199.63	-174.13	542.54	445.67	96.87	5.601	
2,700.00	2,679.47	2,678.47	2,678.47	7.25	93.19	165.70	-199.63	-174.13	555.62	455.13	100.49	5.529	
2,800.00	2,778.56	2,777.56	2,777.56	7.38	96.70	166.04	-199.63	-174.13	568.72	464.61	104.11	5.462	
2,900.00	2,877.64	2,876.64	2,876.64	7.53	100.21	166.36	-199.63	-174.13	581.84	474.09	107.75	5.400	
3,000.00	2,976.73	2,975.73	2,975.73	7.68	103.72	166.66	-199.63	-174.13	594.98	483.57	111.40	5.341	
3,100.00	3,075.81	3,074.81	3,074.81	7.85	107.23	166.96	-199.63	-174.13	608.13	493.07	115.06	5.285	
3,200.00	3,174.90	3,173.90	3,173.90	8.02	110.74	167.24	-199.63	-174.13	621.30	502.56	118.73	5.233	
3,300.00	3,273.98	3,272.98	3,272.98	8.21	114.24	167.51	-199.63	-174.13	634.48	512.07	122.41	5.183	
3,400.00	3,373.06	3,372.06	3,372.06	8.40	117.75	167.77	-199.63	-174.13	647.67	521.58	126.09	5.136	
3,500.00	3,472.15	3,471.15	3,471.15	8.59	121.26	168.01	-199.63	-174.13	660.88	531.09	129.79	5.092	
3,600.00	3,571.23	3,570.23	3,570.23	8.80	124.77	168.25	-199.63	-174.13	674.10	540.61	133.49	5.050	
3,700.00	3,670.32	3,669.32	3,669.32	9.01	128.28	168.48	-199.63	-174.13	687.33	550.14	137.19	5.010	
3,800.00	3,769.40	3,768.40	3,768.40	9.23	131.79	168.70	-199.63	-174.13	700.57	559.66	140.90	4.972	
3,900.00	3,868.48	3,867.48	3,867.48	9.45	135.30	168.91	-199.63	-174.13	713.82	569.20	144.62	4.936	
4,000.00	3,967.57	3,966.57	3,966.57	9.67	138.81	169.12	-199.63	-174.13	727.08	578.73	148.34	4.901	
4,100.00	4,066.65	4,065.65	4,065.65	9.91	142.32	169.32	-199.63	-174.13	740.35	588.27	152.07	4.868	
4,200.00	4,165.74	4,164.74	4,164.74	10.14	145.83	169.51	-199.63	-174.13	753.62	597.82	155.80	4.837	
4,300.00	4,264.82	4,263.82	4,263.82	10.38	149.34	169.69	-199.63	-174.13	766.91	607.37	159.54	4.807	
4,400.00	4,363.91	4,362.91	4,362.91	10.63	152.85	169.87	-199.63	-174.13	780.20	616.92	163.28	4.778	
4,500.00	4,462.99	4,461.99	4,461.99	10.87	156.36	170.04	-199.63	-174.13	793.50	626.47	167.03	4.751	
4,600.00	4,562.07	4,561.07	4,561.07	11.12	159.87	170.20	-199.63	-174.13	806.80	636.03	170.77	4.724	
4,700.00	4,661.16	4,660.16	4,660.16	11.38	163.38	170.36	-199.63	-174.13	820.12	645.59	174.52	4.699	
4,800.00	4,760.24	4,759.24	4,759.24	11.64	166.89	170.52	-199.63	-174.13	833.43	655.16	178.28	4.675	
4,900.00	4,859.33	4,858.33	4,858.33	11.90	170.40	170.67	-199.63	-174.13	846.76	664.73	182.03	4.652	
5,000.00	4,958.41	4,957.41	4,957.41	12.16	173.91	170.82	-199.63	-174.13	860.09	674.30	185.79	4.629	
5,100.00	5,057.50	5,056.50	5,056.50	12.42	177.42	170.96	-199.63	-174.13	873.42	683.87	189.55	4.608	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - KAMMERZELL 29-3H6 - Noble SI Well - No Surv

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,155.58	5,155.58	12.69	180.93	171.09	-199.63	-174.13	886.76	693.45	193.32	4.587	
5,300.00	5,255.66	5,254.66	5,254.66	12.96	184.44	171.23	-199.63	-174.13	900.11	703.03	197.08	4.567	
5,400.00	5,354.75	5,353.75	5,353.75	13.23	187.95	171.36	-199.63	-174.13	913.46	712.61	200.85	4.548	
5,500.00	5,453.83	5,452.83	5,452.83	13.50	191.46	171.48	-199.63	-174.13	926.81	722.19	204.62	4.529	
5,600.00	5,552.92	5,551.92	5,551.92	13.78	194.97	171.60	-199.63	-174.13	940.17	731.78	208.39	4.512	
5,700.00	5,652.00	5,651.00	5,651.00	14.05	198.48	171.72	-199.63	-174.13	953.53	741.37	212.16	4.494	
5,800.00	5,751.09	5,750.09	5,750.09	14.33	201.99	171.84	-199.63	-174.13	966.90	750.96	215.94	4.478	
5,900.00	5,850.17	5,849.17	5,849.17	14.61	205.50	171.95	-199.63	-174.13	980.27	760.55	219.71	4.462	
6,000.00	5,949.25	5,948.25	5,948.25	14.89	209.01	172.06	-199.63	-174.13	993.64	770.15	223.49	4.446	
6,100.00	6,048.34	6,047.34	6,047.34	15.18	212.53	172.16	-199.63	-174.13	1,007.02	779.75	227.27	4.431	
6,200.00	6,147.42	6,146.42	6,146.42	15.46	216.04	172.27	-199.63	-174.13	1,020.40	789.35	231.05	4.416	
6,300.00	6,246.51	6,245.51	6,245.51	15.74	219.55	172.37	-199.63	-174.13	1,033.78	798.95	234.83	4.402	
6,400.00	6,345.70	6,344.70	6,344.70	16.01	223.06	-175.46	-199.63	-174.13	1,046.28	807.68	238.60	4.385	
6,500.00	6,445.51	6,444.51	6,444.51	16.18	226.60	-52.53	-199.63	-174.13	1,047.59	805.28	242.31	4.323	
6,600.00	6,543.99	6,542.99	6,542.99	16.29	230.09	-36.99	-199.63	-174.13	1,034.89	788.94	245.95	4.208	
6,700.00	6,638.74	6,637.74	6,637.74	16.35	233.44	-35.34	-199.63	-174.13	1,008.69	759.27	249.41	4.044	
6,800.00	6,727.41	6,726.41	6,726.41	16.39	236.58	-37.15	-199.63	-174.13	970.01	717.36	252.65	3.839	
6,900.00	6,807.81	6,806.81	6,806.81	16.41	239.43	-41.33	-199.63	-174.13	920.36	664.78	255.58	3.601	
7,000.00	6,877.98	6,876.98	6,876.98	16.46	241.92	-47.85	-199.63	-174.13	861.75	603.58	258.17	3.338	
7,100.00	6,936.18	6,935.18	6,935.18	16.57	243.98	-56.72	-199.63	-174.13	796.73	536.34	260.39	3.060	
7,200.00	6,980.98	6,979.98	6,979.98	16.78	245.57	-67.34	-199.63	-174.13	728.44	466.22	262.22	2.778	
7,300.00	7,011.28	7,010.28	7,010.28	17.11	246.64	-78.09	-199.63	-174.13	660.61	396.94	263.67	2.505	
7,400.00	7,026.32	7,025.32	7,025.32	17.54	247.17	-86.95	-199.63	-174.13	597.62	332.87	264.75	2.257	
7,500.00	7,028.24	7,027.24	7,027.24	18.08	247.24	-89.87	-199.63	-174.13	544.28	278.74	265.55	2.050	
7,600.00	7,028.66	7,027.66	7,027.66	18.75	247.26	-89.92	-199.63	-174.13	505.23	238.76	266.46	1.896	
7,700.00	7,029.09	7,028.09	7,028.09	19.55	247.27	-89.97	-199.63	-174.13	484.00	216.60	267.40	1.810	
7,754.97	7,029.32	7,028.32	7,028.32	20.04	247.28	-90.00	-199.63	-174.13	480.87	213.01	267.86	1.795	ES, SF
7,800.00	7,029.51	7,028.51	7,028.51	20.44	247.29	-90.02	-199.63	-174.13	482.98	214.82	268.16	1.801	
7,900.00	7,029.93	7,028.93	7,028.93	21.43	247.30	-90.07	-199.63	-174.13	502.27	233.69	268.58	1.870	
8,000.00	7,030.35	7,029.35	7,029.35	22.50	247.32	-90.12	-199.63	-174.13	539.70	271.03	268.67	2.009	
8,100.00	7,030.78	7,029.78	7,029.78	23.64	247.33	-90.17	-199.63	-174.13	591.85	323.32	268.53	2.204	
8,200.00	7,031.20	7,030.20	7,030.20	24.84	247.35	-90.22	-199.63	-174.13	655.20	386.93	268.27	2.442	
8,300.00	7,031.62	7,030.62	7,030.62	26.09	247.36	-90.27	-199.63	-174.13	726.84	458.86	267.98	2.712	
8,400.00	7,032.04	7,031.04	7,031.04	27.38	247.38	-90.32	-199.63	-174.13	804.55	536.84	267.71	3.005	
8,500.00	7,032.47	7,031.47	7,031.47	28.72	247.39	-90.38	-199.63	-174.13	886.74	619.28	267.46	3.315	
8,600.00	7,032.89	7,031.89	7,031.89	30.09	247.41	-90.43	-199.63	-174.13	972.27	705.03	267.24	3.638	
8,700.00	7,033.31	7,032.31	7,032.31	31.48	247.42	-90.48	-199.63	-174.13	1,060.34	793.28	267.06	3.970	
8,800.00	7,033.73	7,032.73	7,032.73	32.91	247.44	-90.53	-199.63	-174.13	1,150.36	883.45	266.91	4.310	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - KAMMERZELL 29-5 - XOG PR Well - No Survey

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,400.00	7,032.04	7,038.04	7,038.04	27.38	247.62	-89.14	-21.06	-1,907.08	1,130.38	865.01	265.37	4.260	
8,500.00	7,032.47	7,038.47	7,038.47	28.72	247.64	-89.22	-21.06	-1,907.08	1,034.46	768.58	265.88	3.891	
8,600.00	7,032.89	7,038.89	7,038.89	30.09	247.65	-89.30	-21.06	-1,907.08	939.40	672.85	266.55	3.524	
8,700.00	7,033.31	7,039.31	7,039.31	31.48	247.67	-89.38	-21.06	-1,907.08	845.47	578.04	267.43	3.161	
8,800.00	7,033.73	7,039.73	7,039.73	32.91	247.68	-89.45	-21.06	-1,907.08	753.10	484.49	268.61	2.804	
8,900.00	7,034.16	7,040.16	7,040.16	34.35	247.70	-89.53	-21.06	-1,907.08	662.95	392.75	270.21	2.453	
9,000.00	7,034.58	7,040.58	7,040.58	35.82	247.71	-89.61	-21.06	-1,907.08	576.07	303.67	272.40	2.115	
9,100.00	7,035.00	7,041.00	7,041.00	37.30	247.73	-89.69	-21.06	-1,907.08	494.17	218.77	275.40	1.794	
9,200.00	7,035.42	7,041.42	7,041.42	38.80	247.74	-89.77	-21.06	-1,907.08	420.17	140.76	279.41	1.504	
9,300.00	7,035.85	7,041.85	7,041.85	40.31	247.76	-89.85	-21.06	-1,907.08	359.02	74.68	284.33	1.263	Level 3
9,400.00	7,036.27	7,042.27	7,042.27	41.83	247.77	-89.93	-21.06	-1,907.08	318.18	29.03	289.15	1.100	Level 2
9,488.28	7,036.64	7,042.64	7,042.64	43.19	247.79	-90.00	-21.06	-1,907.08	305.69	14.16	291.53	1.049	Level 2, CC, ES, SF
9,500.00	7,036.69	7,042.69	7,042.69	43.37	247.79	-90.01	-21.06	-1,907.08	305.91	14.28	291.63	1.049	Level 2
9,600.00	7,037.11	7,043.11	7,043.11	44.91	247.80	-90.09	-21.06	-1,907.08	325.46	35.06	290.40	1.121	Level 2
9,700.00	7,037.54	7,043.54	7,043.54	46.46	247.82	-90.17	-21.06	-1,907.08	371.85	85.01	286.84	1.296	Level 3
9,800.00	7,037.96	7,043.96	7,043.96	48.02	247.83	-90.25	-21.06	-1,907.08	436.60	153.67	282.92	1.543	
9,900.00	7,038.38	7,044.38	7,044.38	49.59	247.85	-90.33	-21.06	-1,907.08	512.80	233.21	279.58	1.834	
10,000.00	7,038.80	7,044.80	7,044.80	51.17	247.86	-90.41	-21.06	-1,907.08	596.07	319.10	276.97	2.152	
10,100.00	7,039.23	7,045.23	7,045.23	52.75	247.88	-90.48	-21.06	-1,907.08	683.85	408.87	274.98	2.487	
10,200.00	7,039.65	7,045.65	7,045.65	54.33	247.89	-90.56	-21.06	-1,907.08	774.59	501.13	273.46	2.833	
10,300.00	7,040.07	7,046.07	7,046.07	55.93	247.91	-90.64	-21.06	-1,907.08	867.37	595.08	272.29	3.185	
10,400.00	7,040.49	7,046.49	7,046.49	57.52	247.92	-90.72	-21.06	-1,907.08	961.60	690.21	271.39	3.543	
10,500.00	7,040.92	7,046.92	7,046.92	59.12	247.94	-90.80	-21.06	-1,907.08	1,056.89	786.21	270.68	3.905	
10,600.00	7,041.34	7,047.34	7,047.34	60.73	247.95	-90.88	-21.06	-1,907.08	1,152.98	882.85	270.12	4.268	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - KAMMERZELL J 29-19 - Noble SI Well - Actual

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_NS-GYRO-MS, 7350-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	13.70	13.70	3.28	3.28	-124.28	-669.19	-981.85	1,188.21				
100.00	100.00	105.51	105.51	3.28	3.28	-124.27	-669.40	-982.24	1,188.69	1,181.33	7.36	161.525	
200.00	200.00	205.32	205.31	3.31	3.32	-124.28	-669.87	-982.89	1,189.49	1,182.08	7.42	160.417	
300.00	299.98	303.64	303.63	3.35	3.38	163.72	-670.53	-983.51	1,192.07	1,184.55	7.52	158.494	
400.00	399.84	409.36	409.35	3.42	3.47	163.75	-671.29	-983.90	1,197.80	1,190.11	7.68	155.927	
8,000.00	7,030.35	7,056.69	7,055.82	22.50	18.50	-90.45	-726.62	-1,006.56	1,167.48	1,127.02	40.46	28.855	
8,100.00	7,030.78	7,054.27	7,053.40	23.64	18.49	-90.32	-726.61	-1,006.62	1,120.59	1,078.78	41.81	26.804	
8,200.00	7,031.20	7,051.99	7,051.11	24.84	18.49	-90.19	-726.60	-1,006.67	1,080.93	1,037.67	43.27	24.984	
8,300.00	7,031.62	7,049.82	7,048.95	26.09	18.49	-90.06	-726.60	-1,006.72	1,049.34	1,004.55	44.79	23.429	
8,400.00	7,032.04	7,047.77	7,046.90	27.38	18.48	-89.95	-726.59	-1,006.76	1,026.55	980.24	46.31	22.167	
8,500.00	7,032.47	7,045.83	7,044.96	28.72	18.48	-89.84	-726.58	-1,006.80	1,013.16	965.40	47.76	21.213	
8,586.62	7,032.83	7,044.22	7,043.35	29.90	18.48	-89.75	-726.57	-1,006.83	1,009.45	960.54	48.91	20.638	CC
8,600.00	7,032.89	7,043.98	7,043.11	30.09	18.48	-89.73	-726.57	-1,006.84	1,009.54	960.46	49.08	20.571	ES
8,700.00	7,033.31	7,042.22	7,041.35	31.48	18.47	-89.63	-726.56	-1,006.87	1,015.80	965.60	50.20	20.236	
8,800.00	7,033.73	7,040.54	7,039.67	32.91	18.47	-89.54	-726.56	-1,006.90	1,031.75	980.66	51.09	20.195	SF
8,900.00	7,034.16	7,038.94	7,038.07	34.35	18.47	-89.45	-726.55	-1,006.93	1,056.96	1,005.22	51.74	20.427	
9,000.00	7,034.58	7,037.42	7,036.55	35.82	18.46	-89.36	-726.54	-1,006.96	1,090.79	1,038.62	52.17	20.908	
9,100.00	7,035.00	7,035.96	7,035.09	37.30	18.46	-89.28	-726.53	-1,006.99	1,132.47	1,080.07	52.40	21.613	
9,200.00	7,035.42	7,034.56	7,033.69	38.80	18.46	-89.20	-726.52	-1,007.01	1,181.16	1,128.70	52.46	22.517	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - UPV 29-2H6 - Noble SI Well - No Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	100.73	-214.18	1,129.77	1,150.14				
100.00	100.00	76.00	76.00	3.28	3.55	100.73	-214.18	1,129.77	1,149.89	1,142.27	7.62	150.906	
200.00	200.00	176.00	176.00	3.31	5.54	100.73	-214.18	1,129.77	1,149.89	1,140.26	9.64	119.324	
300.00	299.98	275.98	275.98	3.35	8.65	28.79	-214.18	1,129.77	1,148.36	1,135.57	12.79	89.764	
400.00	399.84	375.84	375.84	3.42	12.00	28.96	-214.18	1,129.77	1,143.78	1,127.57	16.21	70.566	
500.00	499.45	475.45	475.45	3.51	15.43	29.25	-214.18	1,129.77	1,136.16	1,116.43	19.72	57.602	
600.00	598.71	574.71	574.71	3.63	18.88	29.64	-214.18	1,129.77	1,125.55	1,102.25	23.29	48.322	
700.00	697.79	673.79	673.79	3.77	22.34	29.99	-214.18	1,129.77	1,113.81	1,086.92	26.89	41.424	
800.00	796.87	772.87	772.87	3.94	25.82	30.34	-214.18	1,129.77	1,102.10	1,071.59	30.51	36.117	
900.00	895.96	871.96	871.96	4.14	29.31	30.69	-214.18	1,129.77	1,090.44	1,056.28	34.17	31.915	
1,000.00	995.04	971.04	971.04	4.35	32.80	31.06	-214.18	1,129.77	1,078.83	1,040.99	37.84	28.509	
1,100.00	1,094.13	1,070.13	1,070.13	4.58	36.29	31.43	-214.18	1,129.77	1,067.25	1,025.72	41.53	25.697	
1,200.00	1,193.21	1,169.21	1,169.21	4.82	39.79	31.81	-214.18	1,129.77	1,055.73	1,010.49	45.24	23.337	
1,300.00	1,292.29	1,268.29	1,268.29	5.07	43.29	32.20	-214.18	1,129.77	1,044.25	995.29	48.96	21.330	
1,400.00	1,391.38	1,367.38	1,367.38	5.33	46.79	32.60	-214.18	1,129.77	1,032.82	980.13	52.69	19.602	
1,500.00	1,490.46	1,466.46	1,466.46	5.61	50.30	33.01	-214.18	1,129.77	1,021.44	965.01	56.43	18.101	
1,600.00	1,589.55	1,565.55	1,565.55	5.88	53.80	33.42	-214.18	1,129.77	1,010.11	949.93	60.18	16.786	
1,700.00	1,688.63	1,664.63	1,664.63	6.17	57.30	33.85	-214.18	1,129.77	998.84	934.90	63.93	15.623	
1,800.00	1,787.72	1,763.72	1,763.72	6.46	60.81	34.28	-214.18	1,129.77	987.62	919.92	67.70	14.589	
1,900.00	1,886.80	1,862.80	1,862.80	6.62	64.32	34.73	-214.18	1,129.77	976.46	905.33	71.13	13.727	
2,000.00	1,985.88	1,961.88	1,961.88	6.65	67.82	35.18	-214.18	1,129.77	965.36	890.70	74.66	12.929	
2,100.00	2,084.97	2,060.97	2,060.97	6.69	71.33	35.65	-214.18	1,129.77	954.32	876.11	78.21	12.202	
2,200.00	2,184.05	2,160.05	2,160.05	6.75	74.84	36.13	-214.18	1,129.77	943.35	861.58	81.77	11.537	
2,300.00	2,283.14	2,259.14	2,259.14	6.82	78.34	36.61	-214.18	1,129.77	932.44	847.10	85.34	10.926	
2,400.00	2,382.22	2,358.22	2,358.22	6.91	81.85	37.11	-214.18	1,129.77	921.60	832.67	88.93	10.363	
2,500.00	2,481.31	2,457.31	2,457.31	7.01	85.36	37.62	-214.18	1,129.77	910.83	818.30	92.53	9.844	
2,600.00	2,580.39	2,556.39	2,556.39	7.12	88.87	38.15	-214.18	1,129.77	900.14	804.00	96.14	9.362	
2,700.00	2,679.47	2,655.47	2,655.47	7.25	92.38	38.68	-214.18	1,129.77	889.52	789.75	99.77	8.916	
2,800.00	2,778.56	2,754.56	2,754.56	7.38	95.89	39.23	-214.18	1,129.77	878.99	775.58	103.41	8.500	
2,900.00	2,877.64	2,853.64	2,853.64	7.53	99.39	39.79	-214.18	1,129.77	868.53	761.47	107.06	8.113	
3,000.00	2,976.73	2,952.73	2,952.73	7.68	102.90	40.36	-214.18	1,129.77	858.16	747.44	110.72	7.751	
3,100.00	3,075.81	3,051.81	3,051.81	7.85	106.41	40.95	-214.18	1,129.77	847.88	733.49	114.38	7.413	
3,200.00	3,174.90	3,150.90	3,150.90	8.02	109.92	41.56	-214.18	1,129.77	837.68	719.62	118.06	7.095	
3,300.00	3,273.98	3,249.98	3,249.98	8.21	113.43	42.17	-214.18	1,129.77	827.59	705.84	121.75	6.797	
3,400.00	3,373.06	3,349.06	3,349.06	8.40	116.94	42.81	-214.18	1,129.77	817.59	692.14	125.45	6.517	
3,500.00	3,472.15	3,448.15	3,448.15	8.59	120.45	43.45	-214.18	1,129.77	807.69	678.54	129.15	6.254	
3,600.00	3,571.23	3,547.23	3,547.23	8.80	123.96	44.12	-214.18	1,129.77	797.90	665.04	132.86	6.006	
3,700.00	3,670.32	3,646.32	3,646.32	9.01	127.47	44.80	-214.18	1,129.77	788.22	651.64	136.58	5.771	
3,800.00	3,769.40	3,745.40	3,745.40	9.23	130.98	45.50	-214.18	1,129.77	778.65	638.35	140.30	5.550	
3,900.00	3,868.48	3,844.48	3,844.48	9.45	134.49	46.21	-214.18	1,129.77	769.20	625.17	144.03	5.341	
4,000.00	3,967.57	3,943.57	3,943.57	9.67	138.00	46.94	-214.18	1,129.77	759.88	612.11	147.77	5.142	
4,100.00	4,066.65	4,042.65	4,042.65	9.91	141.51	47.69	-214.18	1,129.77	750.68	599.17	151.51	4.955	
4,200.00	4,165.74	4,141.74	4,141.74	10.14	145.02	48.46	-214.18	1,129.77	741.61	586.36	155.25	4.777	
4,300.00	4,264.82	4,240.82	4,240.82	10.38	148.53	49.24	-214.18	1,129.77	732.68	573.67	159.00	4.608	
4,400.00	4,363.91	4,339.91	4,339.91	10.63	152.04	50.05	-214.18	1,129.77	723.89	561.13	162.76	4.448	
4,500.00	4,462.99	4,438.99	4,438.99	10.87	155.55	50.87	-214.18	1,129.77	715.25	548.73	166.52	4.295	
4,600.00	4,562.07	4,538.07	4,538.07	11.12	159.06	51.72	-214.18	1,129.77	706.76	536.47	170.28	4.150	
4,700.00	4,661.16	4,637.16	4,637.16	11.38	162.57	52.58	-214.18	1,129.77	698.42	524.37	174.05	4.013	
4,800.00	4,760.24	4,736.24	4,736.24	11.64	166.08	53.47	-214.18	1,129.77	690.25	512.43	177.82	3.882	
4,900.00	4,859.33	4,835.33	4,835.33	11.90	169.59	54.37	-214.18	1,129.77	682.25	500.66	181.60	3.757	
5,000.00	4,958.41	4,934.41	4,934.41	12.16	173.10	55.30	-214.18	1,129.77	674.43	489.05	185.38	3.638	
5,100.00	5,057.50	5,033.50	5,033.50	12.42	176.61	56.25	-214.18	1,129.77	666.79	477.63	189.16	3.525	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 Offsets Incomplete (Need 2 Directionals) - UPV 29-2H6 - Noble SI Well - No Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,132.58	5,132.58	12.69	180.12	57.22	-214.18	1,129.77	659.33	466.39	192.94	3.417	
5,300.00	5,255.66	5,231.66	5,231.66	12.96	183.63	58.21	-214.18	1,129.77	652.07	455.34	196.73	3.315	
5,400.00	5,354.75	5,330.75	5,330.75	13.23	187.14	59.22	-214.18	1,129.77	645.01	444.49	200.52	3.217	
5,500.00	5,453.83	5,429.83	5,429.83	13.50	190.65	60.25	-214.18	1,129.77	638.16	433.85	204.31	3.123	
5,600.00	5,552.92	5,528.92	5,528.92	13.78	194.16	61.31	-214.18	1,129.77	631.52	423.41	208.11	3.035	
5,700.00	5,652.00	5,628.00	5,628.00	14.05	197.67	62.39	-214.18	1,129.77	625.11	413.20	211.91	2.950	
5,800.00	5,751.09	5,727.09	5,727.09	14.33	201.18	63.49	-214.18	1,129.77	618.92	403.21	215.71	2.869	
5,900.00	5,850.17	5,826.17	5,826.17	14.61	204.69	64.61	-214.18	1,129.77	612.97	393.45	219.51	2.792	
6,000.00	5,949.25	5,925.25	5,925.25	14.89	208.20	65.75	-214.18	1,129.77	607.26	383.94	223.32	2.719	
6,100.00	6,048.34	6,024.34	6,024.34	15.18	211.71	66.91	-214.18	1,129.77	601.79	374.67	227.12	2.650	
6,200.00	6,147.42	6,123.42	6,123.42	15.46	215.22	68.10	-214.18	1,129.77	596.59	365.65	230.93	2.583	
6,300.00	6,246.51	6,222.51	6,222.51	15.74	218.73	69.30	-214.18	1,129.77	591.64	356.90	234.74	2.520	
6,400.00	6,345.70	6,321.70	6,321.70	16.01	222.25	82.33	-214.18	1,129.77	587.58	349.03	238.54	2.463	
6,411.57	6,357.24	6,333.24	6,333.24	16.03	222.65	90.00	-214.18	1,129.77	587.51	348.54	238.98	2.458	CC, ES
6,500.00	6,445.51	6,421.51	6,421.51	16.18	225.78	-154.11	-214.18	1,129.77	591.27	349.01	242.26	2.441	SF
6,600.00	6,543.99	6,519.99	6,519.99	16.29	229.27	-137.47	-214.18	1,129.77	604.54	358.69	245.85	2.459	
6,700.00	6,638.74	6,614.74	6,614.74	16.35	232.63	-133.98	-214.18	1,129.77	627.66	378.42	249.24	2.518	
6,800.00	6,727.41	6,703.41	6,703.41	16.39	235.77	-132.62	-214.18	1,129.77	661.15	408.79	252.37	2.620	
6,900.00	6,807.81	6,783.81	6,783.81	16.41	238.62	-131.53	-214.18	1,129.77	705.47	450.31	255.16	2.765	
7,000.00	6,877.98	6,853.98	6,853.98	16.46	241.10	-129.79	-214.18	1,129.77	760.64	503.06	257.58	2.953	
7,100.00	6,936.18	6,912.18	6,912.18	16.57	243.17	-126.61	-214.18	1,129.77	826.10	566.53	259.58	3.183	
7,200.00	6,980.98	6,956.98	6,956.98	16.78	244.75	-121.05	-214.18	1,129.77	900.63	639.52	261.11	3.449	
7,300.00	7,011.28	6,987.28	6,987.28	17.11	245.83	-111.91	-214.18	1,129.77	982.43	720.29	262.14	3.748	
7,400.00	7,026.32	7,002.32	7,002.32	17.54	246.36	-98.02	-214.18	1,129.77	1,069.33	806.69	262.64	4.071	
7,500.00	7,028.24	7,004.24	7,004.24	18.08	246.43	-90.52	-214.18	1,129.77	1,158.99	896.29	262.70	4.412	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1C-27-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7728-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-105.38	-41.16	-149.61	155.17				
100.00	100.00	101.00	101.00	3.28	3.28	-105.38	-41.16	-149.61	155.17	147.64	7.53	20.610	
200.00	200.00	201.00	201.00	3.31	3.31	-105.38	-41.16	-149.61	155.17	147.60	7.57	20.487	CC, ES
300.00	299.98	300.49	299.50	3.35	3.34	-177.61	-41.89	-150.22	157.70	150.05	7.66	20.599	
400.00	399.84	400.69	399.30	3.42	3.40	-177.90	-42.76	-150.95	163.87	156.09	7.78	21.056	
500.00	499.45	501.17	498.82	3.51	3.48	-178.21	-43.62	-151.67	173.51	165.56	7.95	21.813	
600.00	598.71	602.04	597.94	3.63	3.58	-178.51	-44.48	-152.40	186.61	178.43	8.17	22.828	
700.00	697.79	703.09	696.88	3.77	3.70	-178.79	-45.34	-153.12	201.05	192.63	8.42	23.878	
800.00	796.87	804.14	795.82	3.94	3.84	-179.03	-46.20	-153.84	215.49	206.79	8.70	24.769	
900.00	895.96	905.19	894.76	4.14	3.99	-179.24	-47.06	-154.56	229.93	220.92	9.01	25.516	
1,000.00	995.04	1,006.24	993.71	4.35	4.15	-179.43	-47.92	-155.28	244.38	235.03	9.35	26.134	
1,100.00	1,094.13	1,107.30	1,092.65	4.58	4.33	-179.59	-48.78	-156.00	258.83	249.11	9.72	26.641	
1,200.00	1,193.21	1,208.35	1,191.59	4.82	4.51	-179.74	-49.64	-156.73	273.28	263.18	10.10	27.053	
1,300.00	1,292.29	1,309.40	1,290.53	5.07	4.71	-179.87	-50.50	-157.45	287.73	277.23	10.51	27.385	
1,400.00	1,391.38	1,389.55	1,389.47	5.33	4.87	-179.99	-51.36	-158.17	302.19	291.30	10.89	27.758	
1,500.00	1,490.46	1,488.49	1,488.41	5.61	5.08	179.90	-52.22	-158.89	316.64	305.33	11.32	27.978	
1,600.00	1,589.55	1,587.44	1,587.35	5.88	5.29	179.80	-53.08	-159.61	331.10	319.34	11.76	28.152	
1,700.00	1,688.63	1,686.39	1,686.30	6.17	5.50	179.71	-53.94	-160.33	345.56	333.34	12.22	28.286	
1,800.00	1,787.72	1,785.34	1,785.24	6.46	5.73	179.62	-54.80	-161.06	360.02	347.33	12.68	28.388	
1,900.00	1,886.80	1,884.29	1,884.18	6.62	5.95	179.54	-55.66	-161.78	374.47	361.82	12.66	29.584	
2,000.00	1,985.88	1,983.23	1,983.12	6.65	6.18	179.47	-56.52	-162.50	388.93	376.03	12.90	30.143	
2,100.00	2,084.97	2,082.18	2,082.06	6.69	6.41	179.41	-57.38	-163.22	403.39	390.23	13.17	30.640	
2,200.00	2,184.05	2,181.13	2,181.00	6.75	6.65	179.34	-58.24	-163.94	417.85	404.41	13.45	31.078	
2,300.00	2,283.14	2,280.08	2,279.95	6.82	6.89	179.29	-59.10	-164.66	432.32	418.57	13.74	31.461	
2,400.00	2,382.22	2,379.03	2,378.89	6.91	7.13	179.23	-59.96	-165.38	446.78	432.72	14.05	31.791	
2,500.00	2,481.31	2,477.97	2,477.83	7.01	7.37	179.18	-60.82	-166.11	461.24	446.86	14.38	32.073	
2,600.00	2,580.39	2,576.92	2,576.77	7.12	7.62	179.13	-61.68	-166.83	475.70	460.98	14.72	32.311	
2,700.00	2,679.47	2,675.87	2,675.71	7.25	7.87	179.09	-62.54	-167.55	490.16	475.09	15.08	32.508	
2,800.00	2,778.56	2,774.82	2,774.65	7.38	8.12	179.05	-63.40	-168.27	504.63	489.18	15.45	32.669	
2,900.00	2,877.64	2,873.77	2,873.60	7.53	8.37	179.01	-64.26	-168.99	519.09	503.26	15.83	32.796	
3,000.00	2,976.73	2,972.71	2,972.54	7.68	8.62	178.97	-65.12	-169.71	533.55	517.33	16.22	32.894	
3,100.00	3,075.81	3,071.66	3,071.48	7.85	8.87	178.93	-65.98	-170.44	548.02	531.39	16.62	32.967	
3,200.00	3,174.90	3,170.61	3,170.42	8.02	9.13	178.90	-66.84	-171.16	562.48	545.44	17.04	33.015	
3,300.00	3,273.98	3,269.56	3,269.36	8.21	9.38	178.87	-67.70	-171.88	576.94	559.48	17.46	33.044	
3,400.00	3,373.06	3,368.51	3,368.30	8.40	9.64	178.84	-68.56	-172.60	591.41	573.52	17.89	33.055	
3,500.00	3,472.15	3,467.45	3,467.25	8.59	9.90	178.81	-69.42	-173.32	605.87	587.54	18.33	33.051	
3,600.00	3,571.23	3,566.40	3,566.19	8.80	10.16	178.78	-70.28	-174.04	620.34	601.56	18.78	33.033	
3,700.00	3,670.32	3,665.35	3,665.13	9.01	10.42	178.75	-71.14	-174.76	634.80	615.57	19.23	33.004	
3,800.00	3,769.40	3,764.30	3,764.07	9.23	10.68	178.73	-72.00	-175.49	649.26	629.57	19.70	32.965	
3,900.00	3,868.48	3,863.25	3,863.01	9.45	10.94	178.71	-72.86	-176.21	663.73	643.57	20.16	32.917	
4,000.00	3,967.57	3,962.19	3,961.95	9.67	11.20	178.68	-73.72	-176.93	678.19	657.56	20.64	32.863	
4,100.00	4,066.65	4,061.14	4,060.89	9.91	11.46	178.66	-74.58	-177.65	692.66	671.54	21.12	32.803	
4,200.00	4,165.74	4,160.09	4,159.84	10.14	11.72	178.64	-75.44	-178.37	707.12	685.52	21.60	32.738	
4,300.00	4,264.82	4,259.04	4,258.78	10.38	11.98	178.62	-76.30	-179.09	721.59	699.50	22.09	32.668	
4,400.00	4,363.91	4,357.99	4,357.72	10.63	12.25	178.60	-77.16	-179.82	736.05	713.47	22.58	32.596	
4,500.00	4,462.99	4,456.93	4,456.66	10.87	12.51	178.58	-78.02	-180.54	750.52	727.44	23.08	32.521	
4,600.00	4,562.07	4,555.88	4,555.60	11.12	12.78	178.56	-78.88	-181.26	764.98	741.41	23.58	32.444	
4,700.00	4,661.16	4,654.83	4,654.54	11.38	13.04	178.54	-79.74	-181.98	779.45	755.37	24.08	32.365	
4,800.00	4,760.24	4,753.78	4,753.49	11.64	13.31	178.53	-80.60	-182.70	793.92	769.32	24.59	32.285	
4,900.00	4,859.33	4,852.73	4,852.43	11.90	13.57	178.51	-81.46	-183.42	808.38	783.28	25.10	32.205	
5,000.00	4,958.41	4,951.67	4,951.37	12.16	13.84	178.49	-82.32	-184.14	822.85	797.23	25.61	32.124	
5,100.00	5,057.50	5,050.62	5,050.31	12.42	14.10	178.48	-83.18	-184.87	837.31	811.18	26.13	32.043	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1C-27-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7728-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,149.57	5,149.25	12.69	14.37	178.47	-84.04	-185.59	851.78	825.13	26.65	31.962	
5,300.00	5,255.66	5,248.52	5,248.19	12.96	14.63	178.45	-84.90	-186.31	866.24	839.07	27.17	31.882	
5,400.00	5,354.75	5,347.47	5,347.14	13.23	14.90	178.44	-85.76	-187.03	880.71	853.02	27.69	31.801	
5,500.00	5,453.83	5,446.41	5,446.08	13.50	15.17	178.42	-86.62	-187.75	895.18	866.96	28.22	31.722	
5,600.00	5,552.92	5,545.36	5,545.02	13.78	15.44	178.41	-87.48	-188.47	909.64	880.89	28.75	31.643	
5,700.00	5,652.00	5,644.31	5,643.96	14.05	15.70	178.40	-88.34	-189.20	924.11	894.83	29.28	31.565	
5,800.00	5,751.09	5,743.26	5,742.90	14.33	15.97	178.39	-89.20	-189.92	938.57	908.77	29.81	31.488	
5,900.00	5,850.17	5,842.21	5,841.84	14.61	16.24	178.38	-90.06	-190.64	953.04	922.70	30.34	31.412	
6,000.00	5,949.25	5,941.15	5,940.79	14.89	16.51	178.36	-90.92	-191.36	967.51	936.63	30.87	31.337	
6,100.00	6,048.34	6,040.10	6,039.73	15.18	16.77	178.35	-91.78	-192.08	981.97	950.56	31.41	31.263	
6,200.00	6,147.42	6,139.05	6,138.67	15.46	17.04	178.34	-92.64	-192.80	996.44	964.49	31.95	31.190	
6,300.00	6,246.51	6,238.00	6,237.61	15.74	17.31	178.33	-93.50	-193.52	1,010.90	978.42	32.49	31.118	
6,400.00	6,345.70	6,337.06	6,336.67	16.01	17.58	-169.62	-94.36	-194.25	1,024.44	991.43	33.01	31.033	
6,500.00	6,445.51	8,060.22	7,362.63	16.18	26.88	-128.22	-97.22	772.95	981.45	950.87	30.58	32.092	
6,600.00	6,543.99	8,043.95	7,362.65	16.29	26.81	-126.61	-97.32	756.68	891.95	860.62	31.33	28.468	
6,700.00	6,638.74	8,012.46	7,362.69	16.35	26.69	-131.62	-97.52	725.20	807.91	775.76	32.15	25.127	
6,800.00	6,727.41	7,966.53	7,362.74	16.39	26.54	-134.67	-97.80	679.27	731.73	698.66	33.07	22.125	
6,900.00	6,807.81	7,907.29	7,362.80	16.41	26.37	-135.84	-98.17	620.03	665.43	631.36	34.07	19.532	
7,000.00	6,877.98	7,836.19	7,362.88	16.46	26.22	-135.69	-98.61	548.93	610.47	575.33	35.15	17.370	
7,100.00	6,936.18	7,754.99	7,362.97	16.57	25.72	-134.70	-99.12	467.74	567.58	531.58	36.00	15.768	
7,200.00	6,980.98	7,574.50	7,344.87	16.78	22.95	-128.86	-100.07	288.69	531.37	495.67	35.71	14.882	
7,300.00	7,011.28	7,404.48	7,283.13	17.11	20.95	-121.13	-100.52	130.83	490.21	454.07	36.14	13.566	
7,400.00	7,026.32	7,275.28	7,209.47	17.54	20.05	-114.05	-100.54	24.94	450.49	413.49	36.99	12.178	
7,500.00	7,028.24	7,172.66	7,136.66	18.08	19.63	-105.66	-100.36	-47.22	416.43	378.58	37.86	11.000	
7,600.00	7,028.66	7,097.63	7,076.58	18.75	19.44	-96.97	-100.12	-92.09	390.97	352.30	38.68	10.109	
7,700.00	7,029.09	7,042.45	7,029.25	19.55	19.32	-89.87	-99.89	-120.41	381.02	341.70	39.32	9.690	
7,701.84	7,029.09	7,041.58	7,028.48	19.56	19.32	-89.76	-99.88	-120.82	381.02	341.69	39.33	9.688	SF
7,800.00	7,029.51	7,000.75	6,991.95	20.44	19.23	-84.27	-99.68	-139.03	391.06	351.41	39.64	9.865	
7,900.00	7,029.93	6,968.38	6,962.20	21.43	19.16	-79.87	-99.50	-151.78	421.43	381.80	39.63	10.634	
8,000.00	7,030.35	6,942.65	6,938.11	22.50	19.11	-76.39	-99.35	-160.83	469.21	429.81	39.41	11.907	
8,100.00	7,030.78	6,921.77	6,918.31	23.64	19.06	-73.60	-99.22	-167.45	530.26	491.16	39.11	13.560	
8,200.00	7,031.20	6,900.00	6,897.45	24.84	19.02	-70.74	-99.08	-173.65	600.92	562.11	38.80	15.487	
8,300.00	7,031.62	6,890.04	6,887.84	26.09	19.00	-69.46	-99.01	-176.26	678.30	639.74	38.56	17.593	
8,400.00	7,032.04	6,877.74	6,875.91	27.38	18.97	-67.89	-98.93	-179.26	760.56	722.21	38.34	19.836	
8,500.00	7,032.47	6,867.16	6,865.61	28.72	18.95	-66.57	-98.85	-181.66	846.33	808.16	38.17	22.174	
8,600.00	7,032.89	6,850.00	6,848.81	30.09	18.91	-64.46	-98.73	-185.19	934.79	896.75	38.03	24.578	
8,700.00	7,033.31	6,850.00	6,848.81	31.48	18.91	-64.46	-98.73	-185.19	1,025.05	987.14	37.92	27.034	
8,800.00	7,033.73	6,850.00	6,848.81	32.91	18.91	-64.46	-98.73	-185.19	1,116.98	1,079.16	37.82	29.536	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1N-27A-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-112.13	-60.83	-149.61	161.51				
100.00	100.00	101.00	101.00	3.28	3.28	-112.13	-60.83	-149.61	161.51	153.98	7.53	21.452	
200.00	200.00	201.00	201.00	3.31	3.31	-112.13	-60.83	-149.61	161.51	153.93	7.57	21.323	CC, ES
300.00	299.98	300.66	299.34	3.35	3.34	175.84	-61.34	-150.32	164.10	156.45	7.66	21.433	
400.00	399.84	400.86	399.14	3.42	3.40	175.88	-61.95	-151.15	170.32	162.54	7.78	21.880	
500.00	499.45	501.33	498.65	3.51	3.48	175.98	-62.55	-151.98	180.01	172.05	7.96	22.621	
600.00	598.71	602.20	597.78	3.63	3.59	176.15	-63.15	-152.80	193.13	184.95	8.18	23.614	
700.00	697.79	703.26	696.72	3.77	3.71	176.33	-63.75	-153.63	207.59	199.17	8.42	24.641	
800.00	796.87	804.31	795.66	3.94	3.84	176.49	-64.35	-154.45	222.06	213.35	8.71	25.507	
900.00	895.96	905.36	894.60	4.14	3.99	176.62	-64.95	-155.28	236.52	227.51	9.02	26.227	
1,000.00	995.04	1,006.42	993.54	4.35	4.16	176.75	-65.55	-156.10	250.99	241.63	9.36	26.819	
1,100.00	1,094.13	1,107.47	1,092.48	4.58	4.33	176.85	-66.15	-156.93	265.46	255.73	9.72	27.300	
1,200.00	1,193.21	1,208.52	1,191.43	4.82	4.52	176.95	-66.74	-157.75	279.93	269.82	10.11	27.687	
1,300.00	1,292.29	1,290.42	1,290.37	5.07	4.68	177.04	-67.34	-158.57	294.39	283.92	10.48	28.095	
1,400.00	1,391.38	1,389.37	1,389.31	5.33	4.88	177.12	-67.94	-159.40	308.86	297.97	10.90	28.348	
1,500.00	1,490.46	1,488.32	1,488.25	5.61	5.08	177.19	-68.54	-160.22	323.33	312.01	11.33	28.546	
1,600.00	1,589.55	1,587.26	1,587.19	5.88	5.29	177.26	-69.14	-161.05	337.80	326.03	11.77	28.699	
1,700.00	1,688.63	1,686.21	1,686.13	6.17	5.51	177.32	-69.74	-161.87	352.28	340.05	12.23	28.813	
1,800.00	1,787.72	1,785.16	1,785.07	6.46	5.73	177.38	-70.34	-162.70	366.75	354.06	12.69	28.897	
1,900.00	1,886.80	1,884.10	1,884.02	6.62	5.86	177.43	-70.94	-163.52	381.22	368.65	12.57	30.321	
2,000.00	1,985.88	1,983.05	1,982.96	6.65	5.89	177.47	-71.54	-164.34	395.69	383.07	12.62	31.361	
2,100.00	2,084.97	2,082.00	2,081.90	6.69	5.91	177.52	-72.13	-165.17	410.16	397.49	12.67	32.371	
2,200.00	2,184.05	2,180.94	2,180.84	6.75	5.95	177.56	-72.73	-165.99	424.64	411.89	12.75	33.304	
2,300.00	2,283.14	2,279.89	2,279.78	6.82	6.00	177.60	-73.33	-166.82	439.11	426.25	12.86	34.156	
2,400.00	2,382.22	2,378.84	2,378.72	6.91	6.06	177.64	-73.93	-167.64	453.58	440.59	12.99	34.925	
2,500.00	2,481.31	2,477.79	2,477.67	7.01	6.13	177.67	-74.53	-168.47	468.05	454.91	13.14	35.613	
2,600.00	2,580.39	2,576.73	2,576.61	7.12	6.21	177.70	-75.13	-169.29	482.53	469.21	13.32	36.220	
2,700.00	2,679.47	2,675.68	2,675.55	7.25	6.31	177.73	-75.73	-170.11	497.00	483.48	13.52	36.750	
2,800.00	2,778.56	2,774.63	2,774.49	7.38	6.41	177.76	-76.33	-170.94	511.47	497.73	13.75	37.205	
2,900.00	2,877.64	2,873.57	2,873.43	7.53	6.52	177.79	-76.93	-171.76	525.95	511.96	13.99	37.591	
3,000.00	2,976.73	2,972.52	2,972.37	7.68	6.65	177.81	-77.52	-172.59	540.42	526.17	14.25	37.911	
3,100.00	3,075.81	3,071.47	3,071.31	7.85	6.78	177.84	-78.12	-173.41	554.89	540.36	14.54	38.172	
3,200.00	3,174.90	3,170.41	3,170.26	8.02	6.92	177.86	-78.72	-174.24	569.37	554.53	14.84	38.378	
3,300.00	3,273.98	3,269.36	3,269.20	8.21	7.07	177.88	-79.32	-175.06	583.84	568.69	15.15	38.535	
3,400.00	3,373.06	3,368.31	3,368.14	8.40	7.22	177.90	-79.92	-175.88	598.32	582.83	15.48	38.647	
3,500.00	3,472.15	3,467.25	3,467.08	8.59	7.38	177.92	-80.52	-176.71	612.79	596.96	15.83	38.720	
3,600.00	3,571.23	3,566.20	3,566.02	8.80	7.55	177.94	-81.12	-177.53	627.26	611.08	16.18	38.759	
3,700.00	3,670.32	3,665.15	3,664.96	9.01	7.73	177.96	-81.72	-178.36	641.74	625.18	16.55	38.766	
3,800.00	3,769.40	3,764.09	3,763.91	9.23	7.91	177.98	-82.32	-179.18	656.21	639.28	16.94	38.747	
3,900.00	3,868.48	3,863.04	3,862.85	9.45	8.09	177.99	-82.91	-180.01	670.69	653.36	17.33	38.704	
4,000.00	3,967.57	3,961.99	3,961.79	9.67	8.28	178.01	-83.51	-180.83	685.16	667.43	17.73	38.642	
4,100.00	4,066.65	4,060.93	4,060.73	9.91	8.48	178.02	-84.11	-181.65	699.64	681.49	18.14	38.563	
4,200.00	4,165.74	4,159.88	4,159.67	10.14	8.68	178.04	-84.71	-182.48	714.11	695.55	18.56	38.469	
4,300.00	4,264.82	4,258.83	4,258.61	10.38	8.88	178.05	-85.31	-183.30	728.58	709.59	18.99	38.363	
4,400.00	4,363.91	4,357.77	4,357.55	10.63	9.08	178.07	-85.91	-184.13	743.06	723.63	19.43	38.247	
4,500.00	4,462.99	4,456.72	4,456.50	10.87	9.29	178.08	-86.51	-184.95	757.53	737.66	19.87	38.122	
4,600.00	4,562.07	4,555.67	4,555.44	11.12	9.51	178.09	-87.11	-185.78	772.01	751.69	20.32	37.990	
4,700.00	4,661.16	4,654.61	4,654.38	11.38	9.72	178.10	-87.71	-186.60	786.48	765.71	20.78	37.853	
4,800.00	4,760.24	4,753.56	4,753.32	11.64	9.94	178.12	-88.30	-187.42	800.96	779.72	21.24	37.712	
4,900.00	4,859.33	4,852.51	4,852.26	11.90	10.16	178.13	-88.90	-188.25	815.43	793.73	21.71	37.568	
5,000.00	4,958.41	4,951.45	4,951.20	12.16	10.39	178.14	-89.50	-189.07	829.91	807.73	22.18	37.421	
5,100.00	5,057.50	5,050.40	5,050.14	12.42	10.61	178.15	-90.10	-189.90	844.38	821.73	22.65	37.272	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1N-27A-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,149.35	5,149.09	12.69	10.84	178.16	-90.70	-190.72	858.86	835.72	23.14	37.123	
5,300.00	5,255.66	5,248.29	5,248.03	12.96	11.07	178.17	-91.30	-191.55	873.33	849.71	23.62	36.973	
5,400.00	5,354.75	5,347.24	5,346.97	13.23	11.31	178.18	-91.90	-192.37	887.81	863.70	24.11	36.823	
5,500.00	5,453.83	5,446.19	5,445.91	13.50	11.54	178.19	-92.50	-193.19	902.28	877.68	24.60	36.674	
5,600.00	5,552.92	5,545.13	5,544.85	13.78	11.78	178.19	-93.10	-194.02	916.76	891.66	25.10	36.526	
5,700.00	5,652.00	5,644.08	5,643.79	14.05	12.01	178.20	-93.69	-194.84	931.23	905.63	25.60	36.378	
5,800.00	5,751.09	5,743.03	5,742.74	14.33	12.25	178.21	-94.29	-195.67	945.71	919.61	26.10	36.233	
5,900.00	5,850.17	5,841.97	5,841.68	14.61	12.49	178.22	-94.89	-196.49	960.18	933.57	26.61	36.089	
6,000.00	5,949.25	5,940.92	5,940.62	14.89	12.73	178.23	-95.49	-197.32	974.66	947.54	27.11	35.946	
6,100.00	6,048.34	6,039.87	6,039.56	15.18	12.98	178.23	-96.09	-198.14	989.13	961.51	27.62	35.806	
6,200.00	6,147.42	7,707.19	7,038.83	15.46	20.82	124.68	-118.90	739.72	960.89	932.06	28.83	33.326	
6,300.00	6,246.51	7,719.90	7,038.82	15.74	20.97	122.99	-119.13	752.43	871.70	842.16	29.54	29.507	
6,400.00	6,345.70	7,731.62	7,038.82	16.01	21.11	128.01	-119.34	764.15	784.81	754.44	30.38	25.837	
6,500.00	6,445.51	7,730.92	7,038.82	16.18	21.10	-122.83	-119.32	763.45	700.62	669.36	31.26	22.410	
6,600.00	6,543.99	7,714.61	7,038.83	16.29	20.91	-115.28	-119.03	747.14	621.98	589.79	32.19	19.323	
6,700.00	6,638.74	7,683.08	7,038.85	16.35	20.55	-115.99	-118.48	715.62	552.21	519.09	33.12	16.674	
6,800.00	6,727.41	7,637.11	7,038.87	16.39	20.04	-115.26	-117.66	669.66	494.32	460.36	33.97	14.553	
6,900.00	6,807.81	7,577.84	7,038.91	16.41	19.40	-112.51	-116.61	610.39	450.34	415.75	34.59	13.020	
7,000.00	6,877.98	7,506.71	7,038.95	16.46	18.67	-108.13	-115.35	539.28	420.57	385.72	34.86	12.066	
7,100.00	6,936.18	7,425.50	7,038.99	16.57	17.92	-102.87	-113.91	458.08	403.20	368.41	34.79	11.590	
7,200.00	6,980.98	7,329.62	7,034.81	16.78	17.10	-96.82	-112.19	362.37	394.19	359.75	34.44	11.446	
7,300.00	7,011.28	7,237.04	7,017.57	17.11	16.41	-90.61	-110.47	271.52	390.28	356.18	34.10	11.444	SF
7,329.18	7,017.27	7,211.22	7,010.42	17.23	16.24	-88.83	-109.99	246.71	390.08	356.05	34.03	11.463	
7,400.00	7,026.32	7,150.41	6,989.65	17.54	15.87	-84.59	-108.85	189.59	391.23	357.39	33.84	11.560	
7,500.00	7,028.24	7,069.44	6,953.74	18.08	15.45	-79.01	-107.34	117.10	396.94	363.24	33.70	11.779	
7,600.00	7,028.66	6,998.45	6,914.90	18.75	15.16	-73.52	-106.05	57.73	410.73	377.08	33.65	12.205	
7,700.00	7,029.09	6,937.52	6,876.47	19.55	14.97	-68.36	-104.98	10.50	435.03	401.36	33.67	12.921	
7,800.00	7,029.51	6,885.56	6,840.25	20.44	14.85	-63.80	-104.09	-26.73	470.55	436.84	33.71	13.960	
7,900.00	7,029.93	6,841.29	6,807.08	21.43	14.75	-59.91	-103.37	-56.03	516.72	482.96	33.76	15.307	
8,000.00	7,030.35	6,800.00	6,774.38	22.50	14.67	-56.34	-102.72	-81.21	572.19	538.40	33.80	16.931	
8,100.00	7,030.78	6,770.96	6,750.43	23.64	14.61	-53.90	-102.28	-97.64	635.34	601.49	33.85	18.770	
8,200.00	7,031.20	6,750.00	6,732.70	24.84	14.56	-52.18	-101.97	-108.80	704.79	670.90	33.89	20.798	
8,300.00	7,031.62	6,718.49	6,705.37	26.09	14.50	-49.68	-101.52	-124.47	779.08	745.16	33.91	22.972	
8,400.00	7,032.04	6,700.00	6,688.98	27.38	14.46	-48.26	-101.27	-133.03	857.41	823.47	33.94	25.266	
8,500.00	7,032.47	6,678.36	6,669.50	28.72	14.42	-46.66	-100.98	-142.44	938.89	904.94	33.96	27.649	
8,600.00	7,032.89	6,650.00	6,643.50	30.09	14.36	-44.63	-100.62	-153.75	1,023.13	989.13	34.00	30.095	
8,700.00	7,033.31	6,650.00	6,643.50	31.48	14.36	-44.63	-100.62	-153.75	1,109.12	1,075.14	33.98	32.640	
8,800.00	7,033.73	6,633.63	6,628.27	32.91	14.33	-43.51	-100.42	-159.76	1,196.99	1,162.99	34.00	35.204	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1N-27B-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-98.02	-21.13	-149.89	151.37				
100.00	100.00	101.00	101.00	3.28	3.28	-98.02	-21.13	-149.89	151.37	143.84	7.53	20.105	
200.00	200.00	201.00	201.00	3.31	3.31	-98.02	-21.13	-149.89	151.37	143.80	7.57	19.985	
300.00	299.98	300.20	300.18	3.35	3.35	-169.53	-19.58	-150.43	153.41	145.75	7.66	20.021	
400.00	399.84	400.02	399.97	3.42	3.42	-168.92	-17.11	-151.28	159.09	151.29	7.80	20.406	
500.00	499.45	500.40	499.51	3.51	3.51	-168.59	-14.64	-152.13	168.19	160.21	7.97	21.090	
600.00	598.71	601.19	598.69	3.63	3.61	-168.50	-12.19	-152.97	180.67	172.47	8.20	22.031	
700.00	697.79	702.15	697.70	3.77	3.74	-168.54	-9.73	-153.82	194.46	186.01	8.45	23.009	
800.00	796.87	803.10	796.71	3.94	3.88	-168.57	-7.28	-154.66	208.25	199.52	8.74	23.836	
900.00	895.96	904.06	895.72	4.14	4.03	-168.60	-4.83	-155.50	222.05	212.99	9.05	24.526	
1,000.00	995.04	1,005.01	994.73	4.35	4.20	-168.63	-2.38	-156.35	235.84	226.44	9.40	25.096	
1,100.00	1,094.13	1,105.97	1,093.74	4.58	4.38	-168.65	0.07	-157.19	249.63	239.87	9.77	25.563	
1,200.00	1,193.21	1,206.93	1,192.75	4.82	4.57	-168.68	2.52	-158.04	263.43	253.27	10.15	25.941	
1,300.00	1,292.29	1,307.88	1,291.76	5.07	4.77	-168.69	4.97	-158.88	277.22	266.66	10.56	26.244	
1,400.00	1,391.38	1,408.84	1,390.77	5.33	4.98	-168.71	7.43	-159.72	291.01	280.02	10.99	26.486	
1,500.00	1,490.46	1,509.79	1,489.78	5.61	5.19	-168.73	9.88	-160.57	304.81	293.38	11.43	26.675	
1,600.00	1,589.55	1,589.25	1,588.79	5.88	5.36	-168.74	12.33	-161.41	318.60	306.77	11.83	26.928	
1,700.00	1,688.63	1,688.29	1,687.80	6.17	5.58	-168.76	14.78	-162.26	332.39	320.10	12.29	27.048	
1,800.00	1,787.72	1,787.34	1,786.81	6.46	5.81	-168.77	17.23	-163.10	346.19	333.43	12.76	27.139	
1,900.00	1,886.80	1,886.38	1,885.82	6.62	5.94	-168.78	19.68	-163.94	359.98	347.34	12.64	28.489	
2,000.00	1,985.88	1,985.43	1,984.83	6.65	5.96	-168.79	22.13	-164.79	373.77	361.09	12.68	29.479	
2,100.00	2,084.97	2,084.47	2,083.84	6.69	5.99	-168.80	24.59	-165.63	387.57	374.83	12.73	30.437	
2,200.00	2,184.05	2,183.52	2,182.85	6.75	6.02	-168.81	27.04	-166.48	401.36	388.55	12.81	31.322	
2,300.00	2,283.14	2,282.56	2,281.86	6.82	6.07	-168.82	29.49	-167.32	415.15	402.23	12.92	32.133	
2,400.00	2,382.22	2,381.60	2,380.87	6.91	6.13	-168.82	31.94	-168.16	428.95	415.90	13.05	32.868	
2,500.00	2,481.31	2,480.65	2,479.88	7.01	6.20	-168.83	34.39	-169.01	442.74	429.53	13.21	33.526	
2,600.00	2,580.39	2,579.69	2,578.89	7.12	6.28	-168.84	36.84	-169.85	456.53	443.15	13.38	34.109	
2,700.00	2,679.47	2,678.74	2,677.90	7.25	6.38	-168.85	39.29	-170.70	470.33	456.74	13.59	34.620	
2,800.00	2,778.56	2,777.78	2,776.91	7.38	6.48	-168.85	41.75	-171.54	484.12	470.31	13.81	35.062	
2,900.00	2,877.64	2,876.82	2,875.92	7.53	6.59	-168.86	44.20	-172.38	497.91	483.86	14.05	35.438	
3,000.00	2,976.73	2,975.87	2,974.93	7.68	6.72	-168.86	46.65	-173.23	511.71	497.39	14.31	35.753	
3,100.00	3,075.81	3,074.91	3,073.94	7.85	6.85	-168.87	49.10	-174.07	525.50	510.91	14.59	36.012	
3,200.00	3,174.90	3,173.96	3,172.95	8.02	6.99	-168.87	51.55	-174.92	539.29	524.40	14.89	36.220	
3,300.00	3,273.98	3,273.00	3,271.96	8.21	7.13	-168.88	54.00	-175.76	553.09	537.89	15.20	36.381	
3,400.00	3,373.06	3,372.04	3,370.97	8.40	7.29	-168.88	56.45	-176.61	566.88	551.35	15.53	36.501	
3,500.00	3,472.15	3,471.09	3,469.99	8.59	7.45	-168.89	58.91	-177.45	580.67	564.80	15.87	36.583	
3,600.00	3,571.23	3,570.13	3,569.00	8.80	7.62	-168.89	61.36	-178.29	594.47	578.24	16.23	36.631	
3,700.00	3,670.32	3,669.18	3,668.01	9.01	7.79	-168.89	63.81	-179.14	608.26	591.67	16.60	36.651	
3,800.00	3,769.40	3,768.22	3,767.02	9.23	7.97	-168.90	66.26	-179.98	622.06	605.08	16.98	36.644	
3,900.00	3,868.48	3,867.27	3,866.03	9.45	8.15	-168.90	68.71	-180.83	635.85	618.48	17.37	36.616	
4,000.00	3,967.57	3,966.31	3,965.04	9.67	8.34	-168.91	71.16	-181.67	649.64	631.88	17.77	36.568	
4,100.00	4,066.65	4,065.35	4,064.05	9.91	8.54	-168.91	73.61	-182.51	663.44	645.26	18.17	36.504	
4,200.00	4,165.74	4,164.40	4,163.06	10.14	8.74	-168.91	76.07	-183.36	677.23	658.64	18.59	36.425	
4,300.00	4,264.82	4,263.44	4,262.07	10.38	8.94	-168.91	78.52	-184.20	691.02	672.00	19.02	36.335	
4,400.00	4,363.91	4,362.49	4,361.08	10.63	9.14	-168.92	80.97	-185.05	704.82	685.36	19.45	36.234	
4,500.00	4,462.99	4,461.53	4,460.09	10.87	9.35	-168.92	83.42	-185.89	718.61	698.72	19.89	36.125	
4,600.00	4,562.07	4,560.57	4,559.10	11.12	9.57	-168.92	85.87	-186.73	732.40	712.06	20.34	36.009	
4,700.00	4,661.16	4,659.62	4,658.11	11.38	9.78	-168.93	88.32	-187.58	746.20	725.40	20.79	35.888	
4,800.00	4,760.24	4,758.66	4,757.12	11.64	10.00	-168.93	90.77	-188.42	759.99	738.74	21.25	35.762	
4,900.00	4,859.33	4,857.71	4,856.13	11.90	10.22	-168.93	93.23	-189.27	773.78	752.07	21.72	35.632	
5,000.00	4,958.41	4,956.75	4,955.14	12.16	10.44	-168.93	95.68	-190.11	787.58	765.39	22.19	35.500	
5,100.00	5,057.50	5,055.79	5,054.15	12.42	10.67	-168.93	98.13	-190.95	801.37	778.71	22.66	35.366	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1N-27B-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,154.84	5,153.16	12.69	10.90	-168.94	100.58	-191.80	815.17	792.03	23.14	35.231	
5,300.00	5,255.66	5,253.88	5,252.17	12.96	11.13	-168.94	103.03	-192.64	828.96	805.34	23.62	35.095	
5,400.00	5,354.75	5,352.93	5,351.18	13.23	11.36	-168.94	105.48	-193.49	842.75	818.65	24.11	34.959	
5,500.00	5,453.83	5,451.97	5,450.19	13.50	11.59	-168.94	107.93	-194.33	856.55	831.95	24.60	34.824	
5,600.00	5,552.92	5,551.02	5,549.20	13.78	11.83	-168.94	110.39	-195.17	870.34	845.25	25.09	34.688	
5,700.00	5,652.00	5,650.06	5,648.21	14.05	12.07	-168.95	112.84	-196.02	884.13	858.55	25.59	34.554	
5,800.00	5,751.09	5,749.10	5,747.22	14.33	12.31	-168.95	115.29	-196.86	897.93	871.84	26.09	34.421	
5,900.00	5,850.17	5,848.15	5,846.23	14.61	12.55	-168.95	117.74	-197.71	911.72	885.13	26.59	34.289	
6,000.00	5,949.25	5,947.19	5,945.24	14.89	12.79	-168.95	120.19	-198.55	925.51	898.42	27.10	34.158	
6,100.00	6,048.34	6,046.24	6,044.25	15.18	13.03	-168.95	122.64	-199.40	939.31	911.70	27.60	34.029	
6,200.00	6,147.42	6,145.28	6,143.26	15.46	13.27	-168.96	125.09	-200.24	953.10	924.99	28.11	33.902	
6,300.00	6,246.51	7,866.29	7,173.41	15.74	21.67	148.20	146.02	759.67	931.33	903.19	28.14	33.093	
6,400.00	6,345.70	7,877.94	7,173.39	16.01	21.80	142.97	145.96	771.32	833.28	804.77	28.52	29.222	
6,500.00	6,445.51	7,877.17	7,173.39	16.18	21.79	-140.57	145.96	770.55	734.99	706.13	28.86	25.468	
6,600.00	6,543.99	7,860.79	7,173.42	16.29	21.61	-147.07	146.04	754.16	638.50	609.35	29.16	21.900	
6,700.00	6,638.74	7,829.19	7,173.47	16.35	21.26	-152.09	146.19	722.56	546.39	516.98	29.42	18.574	
6,800.00	6,727.41	7,783.15	7,173.56	16.39	20.75	-153.64	146.41	676.53	461.18	431.51	29.67	15.541	
6,900.00	6,807.81	7,723.81	7,173.67	16.41	20.14	-153.10	146.70	617.19	385.27	355.30	29.97	12.854	
7,000.00	6,877.98	7,652.63	7,173.80	16.46	19.44	-151.04	147.04	546.01	320.81	290.46	30.35	10.569	
7,100.00	6,936.18	7,571.37	7,173.94	16.57	18.69	-147.80	147.43	464.75	269.50	238.68	30.82	8.744	
7,200.00	6,980.98	7,457.66	7,168.72	16.78	17.76	-141.54	147.83	351.27	229.06	197.63	31.43	7.289	
7,300.00	7,011.28	7,342.29	7,143.64	17.11	16.95	-131.90	147.74	238.82	190.78	158.35	32.42	5.884	
7,400.00	7,026.32	7,239.03	7,104.31	17.54	16.34	-119.03	147.22	143.46	158.59	124.96	33.63	4.716	
7,500.00	7,028.24	7,146.33	7,056.30	18.08	15.89	-101.36	146.41	64.26	138.14	103.57	34.57	3.996	
7,548.90	7,028.45	7,106.61	7,032.30	18.41	15.73	-91.21	145.97	32.62	134.90	100.19	34.71	3.887	CC, ES, SF
7,600.00	7,028.66	7,069.01	7,007.81	18.75	15.59	-80.87	145.50	4.11	139.00	104.57	34.43	4.037	
7,700.00	7,029.09	7,005.76	6,962.95	19.55	15.37	-63.90	144.60	-40.44	170.88	137.50	33.37	5.120	
7,800.00	7,029.51	6,954.01	6,923.11	20.44	15.22	-52.12	143.77	-73.43	226.77	194.09	32.67	6.940	
7,900.00	7,029.93	6,911.42	6,888.40	21.43	15.10	-44.28	143.03	-98.08	296.58	264.17	32.41	9.150	
8,000.00	7,030.35	6,876.06	6,858.37	22.50	15.01	-38.94	142.38	-116.75	374.47	342.11	32.35	11.574	
8,100.00	7,030.78	6,850.00	6,835.62	23.64	14.94	-35.60	141.87	-129.42	457.45	425.09	32.36	14.137	
8,200.00	7,031.20	6,821.24	6,809.92	24.84	14.87	-32.42	141.30	-142.31	543.81	511.41	32.40	16.786	
8,300.00	7,031.62	6,800.00	6,790.58	26.09	14.82	-30.35	140.86	-151.08	632.64	600.21	32.44	19.504	
8,400.00	7,032.04	6,781.14	6,773.17	27.38	14.78	-28.70	140.47	-158.32	723.30	690.83	32.48	22.273	
8,500.00	7,032.47	6,764.96	6,758.07	28.72	14.74	-27.40	140.12	-164.12	815.37	782.86	32.51	25.079	
8,600.00	7,032.89	6,750.00	6,743.98	30.09	14.71	-26.29	139.80	-169.14	908.54	875.99	32.55	27.913	
8,700.00	7,033.31	6,750.00	6,743.98	31.48	14.71	-26.29	139.80	-169.14	1,002.78	970.24	32.53	30.823	
8,800.00	7,033.73	6,727.03	6,722.13	32.91	14.66	-24.73	139.29	-176.20	1,097.38	1,064.77	32.61	33.650	
8,900.00	7,034.16	6,717.04	6,712.55	34.35	14.64	-24.10	139.07	-179.02	1,192.76	1,160.12	32.64	36.539	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1N-27C-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-118.44	-80.88	-149.33	169.83				
100.00	100.00	101.00	101.00	3.28	3.28	-118.44	-80.88	-149.33	169.83	162.30	7.53	22.557	
200.00	200.00	201.00	201.00	3.31	3.31	-118.44	-80.88	-149.33	169.83	162.26	7.57	22.422	CC, ES
300.00	299.98	297.17	297.16	3.35	3.34	169.23	-82.49	-149.68	172.66	165.00	7.66	22.553	
400.00	399.84	403.54	396.37	3.42	3.40	168.62	-86.11	-150.45	180.24	172.46	7.78	23.154	
500.00	499.45	504.16	495.68	3.51	3.48	168.25	-89.76	-151.22	191.26	183.30	7.96	24.036	
600.00	598.71	605.21	594.57	3.63	3.58	168.11	-93.39	-152.00	205.64	197.46	8.18	25.142	
700.00	697.79	706.45	693.26	3.77	3.71	168.10	-97.02	-152.77	221.33	212.91	8.43	26.266	
800.00	796.87	807.68	791.95	3.94	3.84	168.10	-100.64	-153.54	237.02	228.31	8.71	27.212	
900.00	895.96	908.92	890.64	4.14	4.00	168.10	-104.26	-154.31	252.72	243.69	9.03	27.997	
1,000.00	995.04	989.84	989.33	4.35	4.13	168.09	-107.89	-155.08	268.41	259.07	9.34	28.746	
1,100.00	1,094.13	1,088.60	1,088.02	4.58	4.31	168.09	-111.51	-155.85	284.10	274.40	9.70	29.286	
1,200.00	1,193.21	1,187.36	1,186.72	4.82	4.49	168.09	-115.14	-156.62	299.79	289.70	10.09	29.722	
1,300.00	1,292.29	1,286.12	1,285.41	5.07	4.69	168.09	-118.76	-157.39	315.48	304.99	10.49	30.069	
1,400.00	1,391.38	1,384.88	1,384.10	5.33	4.89	168.09	-122.39	-158.16	331.17	320.26	10.91	30.344	
1,500.00	1,490.46	1,483.64	1,482.79	5.61	5.10	168.08	-126.01	-158.93	346.86	335.51	11.35	30.557	
1,600.00	1,589.55	1,582.41	1,581.48	5.88	5.32	168.08	-129.63	-159.70	362.56	350.75	11.80	30.721	
1,700.00	1,688.63	1,681.17	1,680.17	6.17	5.54	168.08	-133.26	-160.47	378.25	365.98	12.26	30.843	
1,800.00	1,787.72	1,779.93	1,778.87	6.46	5.77	168.08	-136.88	-161.24	393.94	381.20	12.74	30.931	
1,900.00	1,886.80	1,878.69	1,877.56	6.62	5.91	168.08	-140.51	-162.01	409.63	397.00	12.63	32.439	
2,000.00	1,985.88	1,977.45	1,976.25	6.65	5.94	168.08	-144.13	-162.78	425.32	412.64	12.68	33.541	
2,100.00	2,084.97	2,076.21	2,074.94	6.69	5.97	168.08	-147.75	-163.55	441.01	428.28	12.74	34.628	
2,200.00	2,184.05	2,174.97	2,173.63	6.75	6.01	168.08	-151.38	-164.32	456.71	443.89	12.82	35.631	
2,300.00	2,283.14	2,273.73	2,272.32	6.82	6.06	168.08	-155.00	-165.09	472.40	459.47	12.93	36.547	
2,400.00	2,382.22	2,372.50	2,371.02	6.91	6.12	168.07	-158.63	-165.86	488.09	475.03	13.06	37.374	
2,500.00	2,481.31	2,471.26	2,469.71	7.01	6.19	168.07	-162.25	-166.63	503.78	490.56	13.22	38.112	
2,600.00	2,580.39	2,570.02	2,568.40	7.12	6.28	168.07	-165.87	-167.40	519.47	506.07	13.40	38.764	
2,700.00	2,679.47	2,668.78	2,667.09	7.25	6.37	168.07	-169.50	-168.17	535.16	521.56	13.61	39.332	
2,800.00	2,778.56	2,767.54	2,765.78	7.38	6.48	168.07	-173.12	-168.94	550.85	537.02	13.83	39.820	
2,900.00	2,877.64	2,866.30	2,864.47	7.53	6.60	168.07	-176.75	-169.71	566.55	552.46	14.08	40.233	
3,000.00	2,976.73	2,965.06	2,963.17	7.68	6.73	168.07	-180.37	-170.48	582.24	567.89	14.35	40.576	
3,100.00	3,075.81	3,063.82	3,061.86	7.85	6.86	168.07	-184.00	-171.25	597.93	583.29	14.64	40.855	
3,200.00	3,174.90	3,162.59	3,160.55	8.02	7.00	168.07	-187.62	-172.02	613.62	598.68	14.94	41.076	
3,300.00	3,273.98	3,261.35	3,259.24	8.21	7.16	168.07	-191.24	-172.79	629.31	614.05	15.26	41.243	
3,400.00	3,373.06	3,360.11	3,357.93	8.40	7.32	168.07	-194.87	-173.57	645.00	629.41	15.59	41.363	
3,500.00	3,472.15	3,458.87	3,456.62	8.59	7.48	168.07	-198.49	-174.34	660.70	644.75	15.94	41.440	
3,600.00	3,571.23	3,557.63	3,555.32	8.80	7.66	168.07	-202.12	-175.11	676.39	660.08	16.31	41.481	
3,700.00	3,670.32	3,656.39	3,654.01	9.01	7.83	168.07	-205.74	-175.88	692.08	675.40	16.68	41.488	
3,800.00	3,769.40	3,755.15	3,752.70	9.23	8.02	168.07	-209.36	-176.65	707.77	690.70	17.07	41.467	
3,900.00	3,868.48	3,853.91	3,851.39	9.45	8.21	168.07	-212.99	-177.42	723.46	706.00	17.47	41.421	
4,000.00	3,967.57	3,952.67	3,950.08	9.67	8.40	168.07	-216.61	-178.19	739.15	721.28	17.87	41.354	
4,100.00	4,066.65	4,051.44	4,048.78	9.91	8.60	168.07	-220.24	-178.96	754.84	736.55	18.29	41.269	
4,200.00	4,165.74	4,150.20	4,147.47	10.14	8.81	168.07	-223.86	-179.73	770.54	751.82	18.72	41.169	
4,300.00	4,264.82	4,248.96	4,246.16	10.38	9.01	168.07	-227.49	-180.50	786.23	767.08	19.15	41.055	
4,400.00	4,363.91	4,347.72	4,344.85	10.63	9.22	168.07	-231.11	-181.27	801.92	782.33	19.59	40.931	
4,500.00	4,462.99	4,446.48	4,443.54	10.87	9.44	168.06	-234.73	-182.04	817.61	797.57	20.04	40.797	
4,600.00	4,562.07	4,545.24	4,542.23	11.12	9.66	168.06	-238.36	-182.81	833.30	812.81	20.50	40.657	
4,700.00	4,661.16	4,644.00	4,640.93	11.38	9.88	168.06	-241.98	-183.58	848.99	828.04	20.96	40.511	
4,800.00	4,760.24	4,742.76	4,739.62	11.64	10.10	168.06	-245.61	-184.35	864.69	843.26	21.42	40.360	
4,900.00	4,859.33	4,841.53	4,838.31	11.90	10.33	168.06	-249.23	-185.12	880.38	858.48	21.90	40.205	
5,000.00	4,958.41	4,940.29	4,937.00	12.16	10.56	168.06	-252.85	-185.89	896.07	873.69	22.37	40.048	
5,100.00	5,057.50	5,039.05	5,035.69	12.42	10.79	168.06	-256.48	-186.66	911.76	888.90	22.86	39.890	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 1N-27C-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,137.81	5,134.38	12.69	11.02	168.06	-260.10	-187.43	927.45	904.11	23.34	39.730	
5,300.00	5,255.66	5,236.57	5,233.08	12.96	11.26	168.06	-263.73	-188.20	943.14	919.31	23.83	39.570	
5,400.00	5,354.75	5,335.33	5,331.77	13.23	11.49	168.06	-267.35	-188.97	958.83	934.51	24.33	39.411	
5,500.00	5,453.83	5,434.09	5,430.46	13.50	11.73	168.06	-270.97	-189.74	974.53	949.70	24.83	39.252	
5,600.00	5,552.92	5,532.85	5,529.15	13.78	11.97	168.06	-274.60	-190.51	990.22	964.89	25.33	39.093	
5,700.00	5,652.00	5,631.62	5,627.84	14.05	12.22	168.06	-278.22	-191.28	1,005.91	980.07	25.83	38.936	
5,800.00	5,751.09	5,730.38	5,726.53	14.33	12.46	168.06	-281.85	-192.05	1,021.60	995.26	26.34	38.781	
5,900.00	5,850.17	5,829.14	5,825.23	14.61	12.71	168.06	-285.47	-192.82	1,037.29	1,010.44	26.85	38.627	
6,000.00	5,949.25	5,927.90	5,923.92	14.89	12.95	168.06	-289.10	-193.59	1,052.98	1,025.62	27.37	38.476	
6,100.00	6,048.34	6,026.66	6,022.61	15.18	13.20	168.06	-292.72	-194.36	1,068.68	1,040.79	27.88	38.326	
6,200.00	6,147.42	6,125.42	6,121.30	15.46	13.45	168.06	-296.34	-195.14	1,084.37	1,055.96	28.40	38.178	
6,300.00	6,246.51	6,224.18	6,219.99	15.74	13.70	168.06	-299.97	-195.91	1,100.06	1,071.13	28.92	38.033	
6,400.00	6,345.70	6,323.06	6,318.80	16.01	13.95	-179.80	-303.60	-196.68	1,114.90	1,085.47	29.43	37.881	
6,500.00	6,445.51	8,060.01	7,361.82	16.18	21.78	-123.14	-348.35	766.26	1,096.20	1,064.33	31.87	34.396	
6,600.00	6,543.99	8,043.74	7,361.83	16.29	21.60	-116.26	-348.24	749.99	1,017.85	985.39	32.47	31.351	
6,700.00	6,638.74	8,012.26	7,361.85	16.35	21.24	-118.88	-348.03	718.50	946.02	913.05	32.97	28.692	
6,800.00	6,727.41	7,966.33	7,361.87	16.39	20.76	-120.97	-347.73	672.57	882.68	849.31	33.37	26.451	
6,900.00	6,807.81	7,907.08	7,361.91	16.41	20.14	-121.81	-347.34	613.33	829.21	795.58	33.63	24.658	
7,000.00	6,877.98	7,835.99	7,361.95	16.46	19.45	-121.62	-346.86	542.24	786.25	752.48	33.77	23.284	
7,100.00	6,936.18	7,754.79	7,361.99	16.57	18.71	-120.76	-346.33	461.04	753.64	719.85	33.79	22.302	
7,200.00	6,980.98	7,557.58	7,338.72	16.78	17.22	-115.18	-344.18	265.95	725.72	692.31	33.41	21.721	
7,300.00	7,011.28	7,383.17	7,269.72	17.11	16.36	-108.87	-340.58	106.41	693.75	660.25	33.50	20.711	
7,400.00	7,026.32	7,254.19	7,192.19	17.54	16.09	-103.78	-337.04	3.67	663.49	629.67	33.82	19.617	
7,500.00	7,028.24	7,153.30	7,118.05	18.08	15.89	-98.16	-333.87	-64.54	637.99	603.74	34.25	18.629	
7,600.00	7,028.66	7,080.66	7,058.48	18.75	15.75	-92.66	-331.40	-105.95	619.26	584.47	34.79	17.800	
7,700.00	7,029.09	7,027.81	7,012.37	19.55	15.64	-88.33	-329.53	-131.67	611.07	575.68	35.39	17.266	
7,715.15	7,029.15	7,021.08	7,006.34	19.68	15.62	-87.77	-329.29	-134.67	610.92	575.43	35.49	17.214	
7,800.00	7,029.51	6,988.14	6,976.44	20.44	15.55	-84.96	-328.10	-148.42	615.79	579.81	35.98	17.116	SF
7,900.00	7,029.93	6,957.49	6,948.00	21.43	15.49	-82.30	-326.98	-159.80	634.23	597.76	36.47	17.389	
8,000.00	7,030.35	6,933.19	6,925.09	22.50	15.44	-80.17	-326.08	-167.85	665.89	629.06	36.83	18.082	
8,100.00	7,030.78	6,913.51	6,906.33	23.64	15.39	-78.45	-325.35	-173.72	709.36	672.33	37.04	19.153	
8,200.00	7,031.20	6,900.00	6,893.34	24.84	15.37	-77.26	-324.85	-177.41	762.89	725.76	37.13	20.547	
8,300.00	7,031.62	6,883.68	6,877.55	26.09	15.33	-75.84	-324.24	-181.50	824.63	787.51	37.13	22.212	
8,400.00	7,032.04	6,872.13	6,866.32	27.38	15.31	-74.83	-323.81	-184.15	893.01	855.94	37.07	24.090	
8,500.00	7,032.47	6,862.20	6,856.62	28.72	15.28	-73.97	-323.44	-186.27	966.66	929.68	36.98	26.137	
8,600.00	7,032.89	6,850.00	6,844.67	30.09	15.26	-72.92	-322.99	-188.66	1,044.54	1,007.66	36.88	28.321	
8,700.00	7,033.31	6,850.00	6,844.67	31.48	15.26	-72.92	-322.99	-188.66	1,125.78	1,089.00	36.78	30.612	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 26C-27-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7745-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-75.45	38.98	-150.17	155.15				
100.00	100.00	101.00	101.00	3.28	3.28	-75.45	38.98	-150.17	155.15	147.62	7.53	20.606	
200.00	200.00	201.00	201.00	3.31	3.31	-75.45	38.98	-150.17	155.15	147.57	7.57	20.483	CC, ES
300.00	299.98	299.11	299.09	3.35	3.35	-147.18	40.68	-150.33	157.22	149.56	7.66	20.519	
400.00	399.84	396.97	396.81	3.42	3.42	-146.42	45.71	-150.82	163.42	155.62	7.79	20.967	
500.00	499.45	503.86	495.72	3.51	3.52	-145.63	52.97	-151.52	173.33	165.34	7.98	21.717	
600.00	598.71	604.68	594.62	3.63	3.63	-145.51	60.27	-152.22	186.10	177.89	8.21	22.661	
700.00	697.79	705.65	693.38	3.77	3.76	-145.73	67.56	-152.92	199.98	191.51	8.47	23.599	
800.00	796.87	806.62	792.14	3.94	3.91	-145.93	74.85	-153.62	213.86	205.09	8.77	24.378	
900.00	895.96	907.59	890.90	4.14	4.07	-146.10	82.14	-154.33	227.75	218.64	9.10	25.014	
1,000.00	995.04	1,008.57	989.65	4.35	4.25	-146.25	89.42	-155.03	241.64	232.17	9.47	25.527	
1,100.00	1,094.13	1,109.54	1,088.41	4.58	4.44	-146.38	96.71	-155.73	255.53	245.67	9.85	25.935	
1,200.00	1,193.21	1,189.49	1,187.17	4.82	4.60	-146.50	104.00	-156.43	269.42	259.20	10.22	26.364	
1,300.00	1,292.29	1,288.52	1,285.93	5.07	4.81	-146.61	111.29	-157.13	283.31	272.67	10.64	26.622	
1,400.00	1,391.38	1,387.55	1,384.69	5.33	5.03	-146.71	118.58	-157.83	297.20	286.12	11.08	26.819	
1,500.00	1,490.46	1,486.58	1,483.45	5.61	5.25	-146.80	125.86	-158.54	311.09	299.56	11.54	26.967	
1,600.00	1,589.55	1,585.61	1,582.20	5.88	5.47	-146.88	133.15	-159.24	324.99	312.98	12.00	27.073	
1,700.00	1,688.63	1,684.64	1,680.96	6.17	5.71	-146.96	140.44	-159.94	338.88	326.40	12.48	27.147	
1,800.00	1,787.72	1,783.67	1,779.72	6.46	5.95	-147.03	147.73	-160.64	352.77	339.80	12.97	27.195	
1,900.00	1,886.80	1,882.70	1,878.48	6.62	6.19	-147.09	155.02	-161.34	366.67	353.70	12.97	28.273	
2,000.00	1,985.88	1,981.73	1,977.24	6.65	6.43	-147.15	162.30	-162.04	380.56	367.33	13.23	28.758	
2,100.00	2,084.97	2,080.75	2,075.99	6.69	6.68	-147.20	169.59	-162.75	394.46	380.95	13.52	29.186	
2,200.00	2,184.05	2,179.78	2,174.75	6.75	6.94	-147.26	176.88	-163.45	408.36	394.54	13.81	29.561	
2,300.00	2,283.14	2,278.81	2,273.51	6.82	7.19	-147.30	184.17	-164.15	422.25	408.12	14.13	29.886	
2,400.00	2,382.22	2,377.84	2,372.27	6.91	7.45	-147.35	191.45	-164.85	436.15	421.69	14.46	30.165	
2,500.00	2,481.31	2,476.87	2,471.03	7.01	7.71	-147.39	198.74	-165.55	450.05	435.24	14.80	30.400	
2,600.00	2,580.39	2,575.90	2,569.78	7.12	7.97	-147.43	206.03	-166.25	463.94	448.78	15.16	30.596	
2,700.00	2,679.47	2,674.93	2,668.54	7.25	8.23	-147.47	213.32	-166.96	477.84	462.31	15.54	30.757	
2,800.00	2,778.56	2,773.96	2,767.30	7.38	8.50	-147.50	220.61	-167.66	491.74	475.82	15.92	30.885	
2,900.00	2,877.64	2,872.99	2,866.06	7.53	8.77	-147.54	227.89	-168.36	505.64	489.32	16.32	30.985	
3,000.00	2,976.73	2,972.02	2,964.82	7.68	9.03	-147.57	235.18	-169.06	519.54	502.81	16.73	31.059	
3,100.00	3,075.81	3,071.05	3,063.58	7.85	9.30	-147.60	242.47	-169.76	533.43	516.29	17.15	31.111	
3,200.00	3,174.90	3,170.08	3,162.33	8.02	9.57	-147.63	249.76	-170.46	547.33	529.76	17.58	31.142	
3,300.00	3,273.98	3,269.10	3,261.09	8.21	9.84	-147.65	257.05	-171.17	561.23	543.22	18.01	31.156	
3,400.00	3,373.06	3,368.13	3,359.85	8.40	10.12	-147.68	264.33	-171.87	575.13	556.67	18.46	31.155	
3,500.00	3,472.15	3,467.16	3,458.61	8.59	10.39	-147.70	271.62	-172.57	589.03	570.11	18.92	31.140	
3,600.00	3,571.23	3,566.19	3,557.37	8.80	10.66	-147.73	278.91	-173.27	602.93	583.55	19.38	31.115	
3,700.00	3,670.32	3,665.22	3,656.12	9.01	10.94	-147.75	286.20	-173.97	616.82	596.98	19.85	31.079	
3,800.00	3,769.40	3,764.25	3,754.88	9.23	11.21	-147.77	293.49	-174.68	630.72	610.40	20.32	31.035	
3,900.00	3,868.48	3,863.28	3,853.64	9.45	11.49	-147.79	300.77	-175.38	644.62	623.82	20.80	30.984	
4,000.00	3,967.57	3,962.31	3,952.40	9.67	11.77	-147.81	308.06	-176.08	658.52	637.23	21.29	30.927	
4,100.00	4,066.65	4,061.34	4,051.16	9.91	12.04	-147.83	315.35	-176.78	672.42	650.64	21.79	30.866	
4,200.00	4,165.74	4,160.37	4,149.91	10.14	12.32	-147.85	322.64	-177.48	686.32	664.04	22.28	30.800	
4,300.00	4,264.82	4,259.40	4,248.67	10.38	12.60	-147.87	329.93	-178.18	700.22	677.43	22.79	30.731	
4,400.00	4,363.91	4,358.42	4,347.43	10.63	12.88	-147.88	337.21	-178.89	714.12	690.83	23.29	30.659	
4,500.00	4,462.99	4,457.45	4,446.19	10.87	13.16	-147.90	344.50	-179.59	728.02	704.21	23.80	30.585	
4,600.00	4,562.07	4,556.48	4,544.95	11.12	13.44	-147.91	351.79	-180.29	741.92	717.60	24.32	30.510	
4,700.00	4,661.16	4,655.51	4,643.70	11.38	13.72	-147.93	359.08	-180.99	755.82	730.98	24.83	30.434	
4,800.00	4,760.24	4,754.54	4,742.46	11.64	14.00	-147.94	366.37	-181.69	769.72	744.36	25.36	30.357	
4,900.00	4,859.33	4,853.57	4,841.22	11.90	14.28	-147.96	373.65	-182.39	783.62	757.74	25.88	30.279	
5,000.00	4,958.41	4,952.60	4,939.98	12.16	14.56	-147.97	380.94	-183.10	797.52	771.11	26.41	30.201	
5,100.00	5,057.50	5,051.63	5,038.74	12.42	14.84	-147.98	388.23	-183.80	811.41	784.48	26.94	30.123	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 26C-27-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7745-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,150.66	5,137.50	12.69	15.12	-147.99	395.52	-184.50	825.31	797.85	27.47	30.046	
5,300.00	5,255.66	5,249.69	5,236.25	12.96	15.40	-148.01	402.81	-185.20	839.21	811.21	28.00	29.969	
5,400.00	5,354.75	5,348.72	5,335.01	13.23	15.68	-148.02	410.09	-185.90	853.11	824.57	28.54	29.892	
5,500.00	5,453.83	5,447.75	5,433.77	13.50	15.97	-148.03	417.38	-186.60	867.01	837.94	29.08	29.816	
5,600.00	5,552.92	5,546.77	5,532.53	13.78	16.25	-148.04	424.67	-187.31	880.91	851.29	29.62	29.741	
5,700.00	5,652.00	5,645.80	5,631.29	14.05	16.53	-148.05	431.96	-188.01	894.81	864.65	30.16	29.667	
5,800.00	5,751.09	5,744.83	5,730.04	14.33	16.81	-148.06	439.25	-188.71	908.71	878.01	30.71	29.594	
5,900.00	5,850.17	5,843.86	5,828.80	14.61	17.10	-148.07	446.53	-189.41	922.61	891.36	31.25	29.522	
6,000.00	5,949.25	5,942.89	5,927.56	14.89	17.38	-148.08	453.82	-190.11	936.51	904.71	31.80	29.451	
6,100.00	6,048.34	6,041.92	6,026.32	15.18	17.66	-148.09	461.11	-190.81	950.41	918.06	32.35	29.380	
6,200.00	6,147.42	6,140.95	6,125.08	15.46	17.95	-148.10	468.40	-191.52	964.31	931.41	32.90	29.311	
6,300.00	6,246.51	6,239.98	6,223.83	15.74	18.23	-148.11	475.69	-192.22	978.21	944.76	33.45	29.243	
6,400.00	6,345.70	6,339.12	6,322.71	16.01	18.51	-136.24	482.98	-192.92	991.15	957.16	33.99	29.159	
6,500.00	6,445.51	8,074.68	7,360.45	16.18	28.06	80.12	557.31	772.01	962.70	933.27	29.43	32.715	
6,600.00	6,543.99	8,058.32	7,360.48	16.29	28.01	117.05	557.35	755.64	868.34	838.40	29.93	29.009	
6,700.00	6,638.74	8,026.74	7,360.53	16.35	27.90	131.06	557.43	724.07	778.57	748.10	30.47	25.554	
6,800.00	6,727.41	7,980.73	7,360.61	16.39	27.77	137.68	557.54	678.06	695.79	664.74	31.05	22.407	
6,900.00	6,807.81	7,921.41	7,360.71	16.41	27.62	140.77	557.68	618.74	622.16	590.46	31.71	19.622	
7,000.00	6,877.98	7,850.25	7,360.82	16.46	27.48	141.91	557.86	547.58	559.47	527.02	32.45	17.243	
7,100.00	6,936.18	7,769.00	7,360.96	16.57	26.75	141.90	558.05	466.32	508.97	475.85	33.13	15.364	
7,200.00	6,980.98	7,574.81	7,338.81	16.78	23.76	136.37	556.87	274.10	463.99	430.48	33.51	13.847	
7,300.00	7,011.28	7,401.63	7,271.57	17.11	21.82	128.35	552.27	115.16	410.95	376.19	34.76	11.824	
7,400.00	7,026.32	7,272.73	7,195.09	17.54	20.98	120.25	546.87	11.81	357.74	321.66	36.09	9.914	
7,500.00	7,028.24	7,171.51	7,121.42	18.08	20.67	109.36	541.60	-57.25	309.62	272.30	37.32	8.296	
7,600.00	7,028.66	7,098.36	7,061.86	18.75	20.51	97.09	537.30	-99.41	270.83	232.15	38.68	7.002	
7,700.00	7,029.09	7,045.02	7,015.58	19.55	20.39	86.71	533.95	-125.70	253.34	213.30	40.04	6.326	
7,709.92	7,029.13	7,040.53	7,011.58	19.63	20.38	85.80	533.66	-127.74	253.18	213.02	40.16	6.304	SF
7,800.00	7,029.51	7,004.91	6,979.42	20.44	20.30	78.53	531.32	-142.86	266.05	225.23	40.82	6.518	
7,900.00	7,029.93	6,973.88	6,950.76	21.43	20.23	72.23	529.23	-154.55	307.53	266.69	40.84	7.530	
8,000.00	7,030.35	6,950.00	6,928.33	22.50	20.18	67.52	527.59	-162.58	369.35	328.84	40.51	9.116	
8,100.00	7,030.78	6,929.32	6,908.68	23.64	20.13	63.59	526.16	-168.85	443.70	403.56	40.14	11.053	
8,200.00	7,031.20	6,912.87	6,892.90	24.84	20.09	60.59	525.01	-173.38	525.63	485.80	39.83	13.198	
8,300.00	7,031.62	6,900.00	6,880.49	26.09	20.06	58.32	524.10	-176.64	612.31	572.73	39.58	15.470	
8,400.00	7,032.04	6,887.35	6,868.23	27.38	20.03	56.18	523.20	-179.59	702.10	662.71	39.39	17.826	
8,500.00	7,032.47	6,877.28	6,858.42	28.72	20.00	54.52	522.48	-181.77	794.04	754.80	39.24	20.237	
8,600.00	7,032.89	6,868.53	6,849.88	30.09	19.98	53.12	521.85	-183.53	887.50	848.38	39.12	22.687	
8,700.00	7,033.31	6,850.00	6,831.70	31.48	19.94	50.29	520.52	-186.89	982.24	943.20	39.04	25.159	
8,800.00	7,033.73	6,850.00	6,831.70	32.91	19.94	50.29	520.52	-186.89	1,077.56	1,038.60	38.96	27.656	
8,900.00	7,034.16	6,850.00	6,831.70	34.35	19.94	50.29	520.52	-186.89	1,173.66	1,134.76	38.90	30.171	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 26N-27A-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-82.81	18.94	-150.17	151.36				
100.00	100.00	101.00	101.00	3.28	3.28	-82.81	18.94	-150.17	151.36	143.83	7.53	20.104	
200.00	200.00	201.00	201.00	3.31	3.31	-82.81	18.94	-150.17	151.36	143.79	7.57	19.984	CC, ES
300.00	299.98	299.75	299.73	3.35	3.35	-154.44	20.67	-150.35	153.34	145.68	7.66	20.013	
400.00	399.84	398.23	398.07	3.42	3.42	-153.39	25.76	-150.89	159.31	151.51	7.80	20.436	
500.00	499.45	502.42	497.17	3.51	3.52	-152.26	32.89	-151.64	168.94	160.96	7.98	21.170	
600.00	598.71	603.24	596.08	3.63	3.63	-151.74	40.03	-152.39	181.65	173.44	8.21	22.124	
700.00	697.79	704.21	694.85	3.77	3.75	-151.58	47.16	-153.14	195.56	187.08	8.47	23.086	
800.00	796.87	805.19	793.62	3.94	3.90	-151.43	54.29	-153.88	209.46	200.69	8.77	23.890	
900.00	895.96	906.16	892.38	4.14	4.07	-151.31	61.41	-154.63	223.36	214.26	9.10	24.552	
1,000.00	995.04	1,007.13	991.15	4.35	4.25	-151.20	68.54	-155.38	237.27	227.81	9.46	25.091	
1,100.00	1,094.13	1,108.10	1,089.92	4.58	4.44	-151.10	75.67	-156.13	251.17	241.33	9.84	25.524	
1,200.00	1,193.21	1,209.08	1,188.69	4.82	4.64	-151.01	82.79	-156.88	265.08	254.83	10.25	25.868	
1,300.00	1,292.29	1,289.95	1,287.46	5.07	4.81	-150.93	89.92	-157.63	278.98	268.35	10.63	26.243	
1,400.00	1,391.38	1,388.98	1,386.22	5.33	5.02	-150.86	97.05	-158.38	292.89	281.82	11.07	26.461	
1,500.00	1,490.46	1,488.01	1,484.99	5.61	5.24	-150.79	104.18	-159.13	306.80	295.28	11.52	26.629	
1,600.00	1,589.55	1,587.03	1,583.76	5.88	5.47	-150.73	111.30	-159.88	320.71	308.72	11.99	26.755	
1,700.00	1,688.63	1,686.06	1,682.53	6.17	5.70	-150.68	118.43	-160.63	334.61	322.15	12.46	26.847	
1,800.00	1,787.72	1,785.09	1,781.30	6.46	5.94	-150.63	125.56	-161.38	348.52	335.57	12.95	26.911	
1,900.00	1,886.80	1,884.12	1,880.06	6.62	6.08	-150.58	132.68	-162.12	362.43	349.58	12.85	28.210	
2,000.00	1,985.88	1,983.14	1,978.83	6.65	6.12	-150.54	139.81	-162.87	376.34	363.44	12.90	29.170	
2,100.00	2,084.97	2,082.17	2,077.60	6.69	6.15	-150.50	146.94	-163.62	390.25	377.29	12.96	30.104	
2,200.00	2,184.05	2,181.20	2,176.37	6.75	6.19	-150.46	154.07	-164.37	404.16	391.11	13.05	30.966	
2,300.00	2,283.14	2,280.23	2,275.14	6.82	6.24	-150.43	161.19	-165.12	418.07	404.90	13.17	31.755	
2,400.00	2,382.22	2,379.26	2,373.90	6.91	6.31	-150.39	168.32	-165.87	431.98	418.67	13.30	32.470	
2,500.00	2,481.31	2,478.28	2,472.67	7.01	6.38	-150.36	175.45	-166.62	445.89	432.42	13.47	33.110	
2,600.00	2,580.39	2,577.31	2,571.44	7.12	6.47	-150.33	182.57	-167.37	459.80	446.14	13.65	33.677	
2,700.00	2,679.47	2,676.34	2,670.21	7.25	6.57	-150.31	189.70	-168.12	473.71	459.85	13.86	34.174	
2,800.00	2,778.56	2,775.37	2,768.98	7.38	6.68	-150.28	196.83	-168.87	487.62	473.53	14.09	34.604	
2,900.00	2,877.64	2,874.39	2,867.74	7.53	6.80	-150.26	203.96	-169.62	501.53	487.19	14.34	34.970	
3,000.00	2,976.73	2,973.42	2,966.51	7.68	6.93	-150.24	211.08	-170.36	515.44	500.83	14.61	35.278	
3,100.00	3,075.81	3,072.45	3,065.28	7.85	7.06	-150.21	218.21	-171.11	529.35	514.45	14.90	35.531	
3,200.00	3,174.90	3,171.48	3,164.05	8.02	7.21	-150.19	225.34	-171.86	543.26	528.06	15.20	35.735	
3,300.00	3,273.98	3,270.50	3,262.82	8.21	7.36	-150.17	232.46	-172.61	557.17	541.65	15.52	35.894	
3,400.00	3,373.06	3,369.53	3,361.58	8.40	7.52	-150.16	239.59	-173.36	571.08	555.22	15.86	36.012	
3,500.00	3,472.15	3,468.56	3,460.35	8.59	7.69	-150.14	246.72	-174.11	584.99	568.78	16.21	36.095	
3,600.00	3,571.23	3,567.59	3,559.12	8.80	7.86	-150.12	253.85	-174.86	598.90	582.33	16.57	36.145	
3,700.00	3,670.32	3,666.61	3,657.89	9.01	8.04	-150.10	260.97	-175.61	612.81	595.87	16.94	36.167	
3,800.00	3,769.40	3,765.64	3,756.66	9.23	8.22	-150.09	268.10	-176.36	626.72	609.39	17.33	36.164	
3,900.00	3,868.48	3,864.67	3,855.42	9.45	8.41	-150.07	275.23	-177.11	640.63	622.91	17.73	36.139	
4,000.00	3,967.57	3,963.70	3,954.19	9.67	8.61	-150.06	282.35	-177.85	654.54	636.41	18.13	36.096	
4,100.00	4,066.65	4,062.72	4,052.96	9.91	8.81	-150.05	289.48	-178.60	668.45	649.91	18.55	36.037	
4,200.00	4,165.74	4,161.75	4,151.73	10.14	9.01	-150.03	296.61	-179.35	682.37	663.39	18.97	35.964	
4,300.00	4,264.82	4,260.78	4,250.50	10.38	9.22	-150.02	303.74	-180.10	696.28	676.87	19.41	35.879	
4,400.00	4,363.91	4,359.81	4,349.26	10.63	9.43	-150.01	310.86	-180.85	710.19	690.34	19.85	35.785	
4,500.00	4,462.99	4,458.84	4,448.03	10.87	9.64	-150.00	317.99	-181.60	724.10	703.80	20.29	35.682	
4,600.00	4,562.07	4,557.86	4,546.80	11.12	9.86	-149.99	325.12	-182.35	738.01	717.26	20.75	35.572	
4,700.00	4,661.16	4,656.89	4,645.57	11.38	10.08	-149.98	332.24	-183.10	751.92	730.71	21.21	35.457	
4,800.00	4,760.24	4,755.92	4,744.33	11.64	10.31	-149.97	339.37	-183.85	765.83	744.16	21.67	35.337	
4,900.00	4,859.33	4,854.95	4,843.10	11.90	10.53	-149.96	346.50	-184.60	779.74	757.60	22.14	35.214	
5,000.00	4,958.41	4,953.97	4,941.87	12.16	10.76	-149.95	353.63	-185.35	793.65	771.03	22.62	35.088	
5,100.00	5,057.50	5,053.00	5,040.64	12.42	10.99	-149.94	360.75	-186.09	807.56	784.47	23.10	34.961	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 26N-27A-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,152.03	5,139.41	12.69	11.23	-149.93	367.88	-186.84	821.48	797.89	23.58	34.832	
5,300.00	5,255.66	5,251.06	5,238.17	12.96	11.46	-149.92	375.01	-187.59	835.39	811.31	24.07	34.702	
5,400.00	5,354.75	5,350.08	5,336.94	13.23	11.70	-149.91	382.13	-188.34	849.30	824.73	24.57	34.572	
5,500.00	5,453.83	5,449.11	5,435.71	13.50	11.94	-149.90	389.26	-189.09	863.21	838.15	25.06	34.442	
5,600.00	5,552.92	5,548.14	5,534.48	13.78	12.18	-149.90	396.39	-189.84	877.12	851.56	25.56	34.312	
5,700.00	5,652.00	5,647.17	5,633.25	14.05	12.42	-149.89	403.52	-190.59	891.03	864.96	26.07	34.183	
5,800.00	5,751.09	5,746.19	5,732.01	14.33	12.67	-149.88	410.64	-191.34	904.94	878.37	26.57	34.055	
5,900.00	5,850.17	5,845.22	5,830.78	14.61	12.91	-149.87	417.77	-192.09	918.85	891.77	27.08	33.928	
6,000.00	5,949.25	5,944.25	5,929.55	14.89	13.16	-149.87	424.90	-192.84	932.76	905.17	27.59	33.803	
6,100.00	6,048.34	6,043.28	6,028.32	15.18	13.41	-149.86	432.03	-193.58	946.68	918.57	28.11	33.679	
6,200.00	6,147.42	7,727.09	7,038.57	15.46	21.64	-98.87	503.18	747.40	927.60	899.92	27.68	33.513	
6,300.00	6,246.51	7,739.78	7,038.55	15.74	21.78	-96.25	503.15	760.09	831.66	803.53	28.13	29.566	
6,400.00	6,345.70	7,751.48	7,038.53	16.01	21.92	-72.43	503.13	771.79	736.47	707.83	28.64	25.713	
6,500.00	6,445.51	7,750.77	7,038.53	16.18	21.91	76.32	503.13	771.07	641.98	612.80	29.18	22.002	
6,600.00	6,543.99	7,734.43	7,038.56	16.29	21.72	108.45	503.16	754.74	550.63	520.89	29.75	18.511	
6,700.00	6,638.74	7,702.88	7,038.60	16.35	21.37	119.28	503.22	723.19	465.56	435.17	30.39	15.320	
6,800.00	6,727.41	7,656.89	7,038.67	16.39	20.88	122.59	503.31	677.20	390.04	358.86	31.19	12.507	
6,900.00	6,807.81	7,602.41	7,038.75	16.41	20.30	121.42	503.43	617.90	327.34	295.17	32.16	10.177	
7,000.00	6,877.98	7,526.45	7,038.85	16.46	19.56	117.00	503.57	546.76	280.12	246.95	33.17	8.445	
7,100.00	6,936.18	7,445.21	7,038.97	16.57	18.82	110.31	503.73	465.52	249.29	215.25	34.04	7.323	
7,200.00	6,980.98	7,347.75	7,034.92	16.78	18.01	101.20	503.61	368.22	231.65	197.06	34.58	6.698	
7,300.00	7,011.28	7,253.03	7,017.30	17.11	17.31	90.80	502.51	275.25	222.96	188.10	34.86	6.396	
7,341.38	7,019.38	7,215.80	7,006.62	17.29	17.06	86.40	501.81	239.58	222.15	187.25	34.90	6.366	SF
7,400.00	7,026.32	7,164.69	6,988.63	17.54	16.73	80.22	500.60	191.78	223.72	188.87	34.85	6.419	
7,500.00	7,028.24	7,082.39	6,951.80	18.08	16.27	70.43	498.08	118.29	233.59	198.88	34.71	6.730	
7,600.00	7,028.66	7,010.52	6,912.13	18.75	15.93	61.35	495.32	58.46	256.24	221.69	34.55	7.417	
7,700.00	7,029.09	6,950.00	6,873.69	19.55	15.68	53.65	492.64	11.83	293.44	259.03	34.41	8.527	
7,800.00	7,029.51	6,900.00	6,838.72	20.44	15.50	47.61	490.18	-23.80	343.81	309.46	34.35	10.009	
7,900.00	7,029.93	6,850.00	6,801.06	21.43	15.35	42.07	487.52	-56.57	404.65	370.35	34.29	11.799	
8,000.00	7,030.35	6,814.83	6,773.09	22.50	15.26	38.53	485.54	-77.79	473.43	439.11	34.32	13.795	
8,100.00	7,030.78	6,782.48	6,746.37	23.64	15.18	35.53	483.65	-95.92	548.17	513.83	34.34	15.961	
8,200.00	7,031.20	6,750.00	6,718.65	24.84	15.11	32.78	481.68	-112.73	627.42	593.06	34.36	18.258	
8,300.00	7,031.62	6,730.40	6,701.53	26.09	15.07	31.24	480.46	-122.18	710.04	675.65	34.39	20.647	
8,400.00	7,032.04	6,700.00	6,674.41	27.38	15.00	29.02	478.53	-135.78	795.47	761.05	34.42	23.110	
8,500.00	7,032.47	6,700.00	6,674.41	28.72	15.00	29.02	478.53	-135.78	882.88	848.47	34.41	25.657	
8,600.00	7,032.89	6,674.24	6,650.95	30.09	14.94	27.29	476.86	-146.28	971.88	937.43	34.44	28.217	
8,700.00	7,033.31	6,650.00	6,628.50	31.48	14.89	25.78	475.26	-155.28	1,062.48	1,028.00	34.48	30.814	
8,800.00	7,033.73	6,650.00	6,628.50	32.91	14.89	25.78	475.26	-155.28	1,154.00	1,119.53	34.46	33.486	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 26N-27C-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7664-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-90.42	-1.10	-149.89	149.90				
100.00	100.00	101.00	101.00	3.28	3.28	-90.42	-1.10	-149.89	149.90	142.37	7.53	19.909	
200.00	200.00	201.00	201.00	3.31	3.31	-90.42	-1.10	-149.89	149.90	142.32	7.57	19.790	
300.00	299.98	300.12	300.10	3.35	3.35	-161.95	0.63	-150.18	151.84	144.18	7.66	19.816	
400.00	399.84	400.38	399.50	3.42	3.42	-160.92	4.99	-150.91	157.58	149.78	7.80	20.211	
500.00	499.45	500.81	498.97	3.51	3.51	-160.27	9.53	-151.67	166.67	158.69	7.98	20.896	
600.00	598.71	601.58	598.09	3.63	3.62	-160.07	14.05	-152.43	179.01	170.80	8.20	21.821	
700.00	697.79	702.51	697.05	3.77	3.74	-160.09	18.57	-153.18	192.61	184.15	8.46	22.774	
800.00	796.87	803.44	796.02	3.94	3.89	-160.10	23.09	-153.94	206.21	197.47	8.75	23.577	
900.00	895.96	904.37	894.98	4.14	4.04	-160.12	27.60	-154.69	219.82	210.75	9.07	24.243	
1,000.00	995.04	1,005.30	993.95	4.35	4.22	-160.13	32.12	-155.45	233.42	224.00	9.42	24.790	
1,100.00	1,094.13	1,106.23	1,092.91	4.58	4.40	-160.15	36.64	-156.21	247.02	237.23	9.79	25.234	
1,200.00	1,193.21	1,207.16	1,191.88	4.82	4.59	-160.16	41.16	-156.96	260.62	250.44	10.18	25.592	
1,300.00	1,292.29	1,308.08	1,290.84	5.07	4.79	-160.17	45.68	-157.72	274.22	263.63	10.60	25.876	
1,400.00	1,391.38	1,409.01	1,389.81	5.33	5.00	-160.18	50.19	-158.47	287.83	276.80	11.03	26.099	
1,500.00	1,490.46	1,509.94	1,488.77	5.61	5.22	-160.18	54.71	-159.23	301.43	289.96	11.47	26.273	
1,600.00	1,589.55	1,589.13	1,587.74	5.88	5.40	-160.19	59.23	-159.99	315.03	303.15	11.88	26.512	
1,700.00	1,688.63	1,688.20	1,686.70	6.17	5.62	-160.20	63.75	-160.74	328.63	316.29	12.35	26.618	
1,800.00	1,787.72	1,787.27	1,785.67	6.46	5.85	-160.20	68.26	-161.50	342.24	329.42	12.82	26.695	
1,900.00	1,886.80	1,886.34	1,884.63	6.62	6.08	-160.21	72.78	-162.25	355.84	343.04	12.80	27.793	
2,000.00	1,985.88	1,985.41	1,983.59	6.65	6.31	-160.22	77.30	-163.01	369.44	356.39	13.06	28.297	
2,100.00	2,084.97	2,084.48	2,082.56	6.69	6.55	-160.22	81.82	-163.77	383.04	369.72	13.33	28.745	
2,200.00	2,184.05	2,183.55	2,181.52	6.75	6.79	-160.22	86.33	-164.52	396.65	383.03	13.61	29.140	
2,300.00	2,283.14	2,282.62	2,280.49	6.82	7.04	-160.23	90.85	-165.28	410.25	396.33	13.91	29.483	
2,400.00	2,382.22	2,381.69	2,379.45	6.91	7.28	-160.23	95.37	-166.03	423.85	409.62	14.23	29.779	
2,500.00	2,481.31	2,480.76	2,478.42	7.01	7.53	-160.24	99.89	-166.79	437.45	422.89	14.57	30.032	
2,600.00	2,580.39	2,579.83	2,577.38	7.12	7.78	-160.24	104.40	-167.55	451.06	436.14	14.91	30.244	
2,700.00	2,679.47	2,678.90	2,676.35	7.25	8.04	-160.24	108.92	-168.30	464.66	449.38	15.27	30.420	
2,800.00	2,778.56	2,777.97	2,775.31	7.38	8.29	-160.25	113.44	-169.06	478.26	462.61	15.65	30.563	
2,900.00	2,877.64	2,877.04	2,874.28	7.53	8.55	-160.25	117.96	-169.81	491.86	475.83	16.03	30.676	
3,000.00	2,976.73	2,976.11	2,973.24	7.68	8.80	-160.25	122.48	-170.57	505.46	489.03	16.43	30.762	
3,100.00	3,075.81	3,075.19	3,072.21	7.85	9.06	-160.26	126.99	-171.33	519.07	502.23	16.84	30.825	
3,200.00	3,174.90	3,174.26	3,171.17	8.02	9.32	-160.26	131.51	-172.08	532.67	515.41	17.26	30.867	
3,300.00	3,273.98	3,273.33	3,270.13	8.21	9.58	-160.26	136.03	-172.84	546.27	528.59	17.68	30.890	
3,400.00	3,373.06	3,372.40	3,369.10	8.40	9.84	-160.26	140.55	-173.59	559.87	541.75	18.12	30.898	
3,500.00	3,472.15	3,471.47	3,468.06	8.59	10.11	-160.27	145.06	-174.35	573.48	554.91	18.56	30.892	
3,600.00	3,571.23	3,570.54	3,567.03	8.80	10.37	-160.27	149.58	-175.11	587.08	568.06	19.02	30.874	
3,700.00	3,670.32	3,669.61	3,665.99	9.01	10.63	-160.27	154.10	-175.86	600.68	581.21	19.47	30.845	
3,800.00	3,769.40	3,768.68	3,764.96	9.23	10.90	-160.27	158.62	-176.62	614.28	594.34	19.94	30.808	
3,900.00	3,868.48	3,867.75	3,863.92	9.45	11.16	-160.27	163.13	-177.37	627.89	607.48	20.41	30.763	
4,000.00	3,967.57	3,966.82	3,962.89	9.67	11.43	-160.28	167.65	-178.13	641.49	620.60	20.89	30.712	
4,100.00	4,066.65	4,065.89	4,061.85	9.91	11.70	-160.28	172.17	-178.89	655.09	633.72	21.37	30.655	
4,200.00	4,165.74	4,164.96	4,160.82	10.14	11.96	-160.28	176.69	-179.64	668.69	646.84	21.86	30.595	
4,300.00	4,264.82	4,264.03	4,259.78	10.38	12.23	-160.28	181.21	-180.40	682.30	659.95	22.35	30.530	
4,400.00	4,363.91	4,363.10	4,358.74	10.63	12.50	-160.28	185.72	-181.15	695.90	673.05	22.84	30.463	
4,500.00	4,462.99	4,462.17	4,457.71	10.87	12.77	-160.28	190.24	-181.91	709.50	686.16	23.34	30.393	
4,600.00	4,562.07	4,561.24	4,556.67	11.12	13.03	-160.28	194.76	-182.67	723.10	699.25	23.85	30.321	
4,700.00	4,661.16	4,660.31	4,655.64	11.38	13.30	-160.29	199.28	-183.42	736.71	712.35	24.36	30.248	
4,800.00	4,760.24	4,759.38	4,754.60	11.64	13.57	-160.29	203.79	-184.18	750.31	725.44	24.87	30.174	
4,900.00	4,859.33	4,858.46	4,853.57	11.90	13.84	-160.29	208.31	-184.93	763.91	738.53	25.38	30.100	
5,000.00	4,958.41	4,957.53	4,952.53	12.16	14.11	-160.29	212.83	-185.69	777.51	751.62	25.90	30.025	
5,100.00	5,057.50	5,056.60	5,051.50	12.42	14.38	-160.29	217.35	-186.45	791.12	764.70	26.41	29.950	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 26N-27C-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7664-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,155.67	5,150.46	12.69	14.65	-160.29	221.86	-187.20	804.72	777.78	26.94	29.875	
5,300.00	5,255.66	5,254.74	5,249.43	12.96	14.92	-160.29	226.38	-187.96	818.32	790.86	27.46	29.800	
5,400.00	5,354.75	5,353.81	5,348.39	13.23	15.19	-160.29	230.90	-188.71	831.92	803.94	27.99	29.726	
5,500.00	5,453.83	5,452.88	5,447.36	13.50	15.47	-160.29	235.42	-189.47	845.52	817.01	28.51	29.652	
5,600.00	5,552.92	5,551.95	5,546.32	13.78	15.74	-160.30	239.94	-190.23	859.13	830.08	29.05	29.579	
5,700.00	5,652.00	5,651.02	5,645.28	14.05	16.01	-160.30	244.45	-190.98	872.73	843.15	29.58	29.507	
5,800.00	5,751.09	5,750.09	5,744.25	14.33	16.28	-160.30	248.97	-191.74	886.33	856.22	30.11	29.436	
5,900.00	5,850.17	5,849.16	5,843.21	14.61	16.55	-160.30	253.49	-192.49	899.93	869.29	30.65	29.365	
6,000.00	5,949.25	5,948.23	5,942.18	14.89	16.83	-160.30	258.01	-193.25	913.54	882.35	31.18	29.296	
6,100.00	6,048.34	6,047.30	6,041.14	15.18	17.10	-160.30	262.52	-194.01	927.14	895.42	31.72	29.227	
6,200.00	6,147.42	6,146.37	6,140.11	15.46	17.37	-160.30	267.04	-194.76	940.74	908.48	32.26	29.160	
6,300.00	6,246.51	6,245.44	6,239.07	15.74	17.64	-160.30	271.56	-195.52	954.34	921.54	32.80	29.093	
6,400.00	6,345.70	7,948.46	7,243.42	16.01	27.45	-126.83	315.64	772.00	899.08	871.55	27.53	32.658	
6,500.00	6,445.51	7,947.71	7,243.42	16.18	27.45	131.81	315.64	771.25	799.23	771.45	27.79	28.765	
6,600.00	6,543.99	7,931.34	7,243.45	16.29	27.39	160.85	315.67	754.88	700.75	672.75	28.00	25.028	
6,700.00	6,638.74	7,900.24	7,243.51	16.35	27.27	167.23	315.73	723.30	606.06	577.89	28.17	21.515	
6,800.00	6,727.41	7,853.74	7,243.59	16.39	27.14	169.76	315.82	677.28	517.50	489.18	28.32	18.273	
6,900.00	6,807.81	7,805.58	7,243.69	16.41	27.00	170.89	315.93	617.96	437.25	408.79	28.46	15.365	
7,000.00	6,877.98	7,723.25	7,243.82	16.46	26.83	171.32	316.06	546.80	367.30	338.70	28.60	12.843	
7,100.00	6,936.18	7,642.00	7,243.96	16.57	26.10	171.32	316.22	465.54	309.38	280.68	28.70	10.780	
7,200.00	6,980.98	7,508.96	7,235.23	16.78	24.04	170.37	316.06	332.99	259.60	230.47	29.13	8.912	
7,300.00	7,011.28	7,377.45	7,200.31	17.11	22.22	168.38	314.70	206.46	205.09	174.81	30.29	6.772	
7,400.00	7,026.32	7,264.71	7,150.23	17.54	21.06	164.83	312.59	105.63	148.09	116.41	31.68	4.675	
7,500.00	7,028.24	7,167.06	7,093.09	18.08	20.34	155.28	310.13	26.61	89.35	56.21	33.14	2.696	
7,600.00	7,028.66	7,088.95	7,039.10	18.75	19.92	109.30	307.77	-29.73	30.68	-6.79	37.47	0.819	Level 1
7,621.07	7,028.75	7,074.73	7,028.55	18.92	19.85	87.39	307.30	-39.25	26.35	-13.01	39.36	0.670	Level 1, CC, ES, SF
7,700.00	7,029.09	7,027.31	6,991.88	19.55	19.66	32.97	305.69	-69.25	66.79	30.92	35.87	1.862	
7,800.00	7,029.51	6,978.30	6,951.74	20.44	19.48	16.25	303.90	-97.31	146.06	110.54	35.52	4.112	
7,900.00	7,029.93	6,938.82	6,917.92	21.43	19.40	10.74	302.40	-117.60	231.20	195.48	35.72	6.473	
8,000.00	7,030.35	6,906.57	6,889.41	22.50	19.33	8.07	301.12	-132.60	319.54	283.62	35.92	8.896	
8,100.00	7,030.78	6,879.86	6,865.24	23.64	19.27	6.52	300.04	-143.91	410.09	374.00	36.09	11.364	
8,200.00	7,031.20	6,850.00	6,837.68	24.84	19.21	5.22	298.80	-155.35	502.36	466.16	36.21	13.875	
8,300.00	7,031.62	6,838.43	6,826.87	26.09	19.18	4.81	298.32	-159.43	595.69	559.36	36.32	16.400	
8,400.00	7,032.04	6,822.10	6,811.48	27.38	19.15	4.29	297.63	-164.85	690.08	653.67	36.41	18.954	
8,500.00	7,032.47	6,800.00	6,790.44	28.72	19.10	3.68	296.68	-171.56	785.34	748.85	36.49	21.522	
8,600.00	7,032.89	6,800.00	6,790.44	30.09	19.10	3.68	296.68	-171.56	881.07	844.54	36.53	24.117	
8,700.00	7,033.31	6,784.69	6,775.74	31.48	19.06	3.32	296.01	-175.77	977.36	940.76	36.60	26.707	
8,800.00	7,033.73	6,775.03	6,766.41	32.91	19.04	3.11	295.59	-178.25	1,074.09	1,037.45	36.64	29.311	
8,900.00	7,034.16	6,766.40	6,758.05	34.35	19.02	2.94	295.22	-180.34	1,171.19	1,134.50	36.69	31.921	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 30C-30-M - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7781-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA — **Offset Well Error:** 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	0.00	20.03	0.00	20.03				
100.00	100.00	100.00	100.00	3.28	3.28	0.00	20.03	0.00	20.03	12.50	7.53	2.661	
200.00	200.00	200.00	200.00	3.31	3.31	0.00	20.03	0.00	20.03	12.46	7.57	2.645	CC
300.00	299.98	299.77	299.75	3.35	3.35	-72.05	20.61	1.64	20.07	12.41	7.66	2.620	
400.00	399.84	399.54	399.38	3.42	3.42	-72.19	22.33	6.55	20.18	12.39	7.79	2.591	
500.00	499.45	499.31	498.76	3.51	3.51	-72.42	25.21	14.74	20.37	12.40	7.97	2.557	
600.00	598.71	600.86	597.86	3.63	3.63	-73.00	29.19	26.08	20.60	12.40	8.21	2.511	
700.00	697.79	700.86	697.02	3.77	3.77	-74.69	33.49	38.31	20.74	12.24	8.50	2.440	
800.00	796.87	800.87	796.17	3.94	3.94	-76.35	37.78	50.54	20.90	12.06	8.85	2.363	
900.00	895.96	900.87	895.33	4.14	4.13	-77.98	42.08	62.78	21.08	11.85	9.23	2.284	
1,000.00	995.04	1,000.87	994.48	4.35	4.34	-79.59	46.37	75.01	21.28	11.62	9.65	2.204	
1,100.00	1,094.13	1,100.87	1,093.63	4.58	4.57	-81.16	50.67	87.24	21.49	11.38	10.10	2.126	
1,200.00	1,193.21	1,200.87	1,192.79	4.82	4.80	-82.71	54.97	99.48	21.71	11.13	10.58	2.051	
1,300.00	1,292.29	1,300.88	1,291.94	5.07	5.05	-84.22	59.26	111.71	21.95	10.87	11.08	1.980	
1,400.00	1,391.38	1,400.88	1,391.10	5.33	5.31	-85.70	63.56	123.94	22.21	10.60	11.61	1.914	
1,500.00	1,490.46	1,500.88	1,490.25	5.61	5.58	-87.14	67.85	136.18	22.48	10.34	12.14	1.852	
1,600.00	1,589.55	1,599.12	1,589.40	5.88	5.84	-88.55	72.15	148.41	22.76	10.08	12.69	1.794	
1,700.00	1,688.63	1,700.88	1,688.56	6.17	6.13	-89.92	76.45	160.64	23.06	9.81	13.25	1.740	
1,800.00	1,787.72	1,800.89	1,787.71	6.46	6.41	-91.25	80.74	172.88	23.37	9.55	13.82	1.691	
1,900.00	1,886.80	1,900.89	1,886.87	6.62	6.71	-92.55	85.04	185.11	23.70	9.81	13.88	1.707	
2,000.00	1,985.88	2,000.89	1,986.02	6.65	7.00	-93.82	89.33	197.34	24.03	9.83	14.20	1.692	
2,100.00	2,084.97	2,100.89	2,085.17	6.69	7.30	-95.05	93.63	209.58	24.38	9.85	14.53	1.677	
2,200.00	2,184.05	2,200.89	2,184.33	6.75	7.60	-96.24	97.93	221.81	24.74	9.85	14.88	1.662	
2,300.00	2,283.14	2,300.90	2,283.48	6.82	7.90	-97.40	102.22	234.04	25.11	9.86	15.25	1.646	
2,400.00	2,382.22	2,400.90	2,382.63	6.91	8.21	-98.53	106.52	246.28	25.48	9.85	15.63	1.630	
2,500.00	2,481.31	2,500.90	2,481.79	7.01	8.52	-99.62	110.81	258.51	25.87	9.85	16.02	1.615	
2,600.00	2,580.39	2,600.90	2,580.94	7.12	8.83	-100.68	115.11	270.74	26.27	9.84	16.43	1.599	
2,700.00	2,679.47	2,700.90	2,680.10	7.25	9.14	-101.71	119.41	282.98	26.67	9.83	16.85	1.583	
2,800.00	2,778.56	2,800.90	2,779.25	7.38	9.46	-102.71	123.70	295.21	27.09	9.81	17.28	1.568	
2,900.00	2,877.64	2,900.91	2,878.40	7.53	9.77	-103.67	128.00	307.45	27.51	9.79	17.72	1.553	
3,000.00	2,976.73	3,000.91	2,977.56	7.68	10.09	-104.61	132.30	319.68	27.94	9.77	18.17	1.538	
3,100.00	3,075.81	3,100.91	3,076.71	7.85	10.41	-105.52	136.59	331.91	28.37	9.75	18.63	1.523	
3,200.00	3,174.90	3,200.91	3,175.87	8.02	10.73	-106.40	140.89	344.15	28.82	9.72	19.10	1.509	
3,300.00	3,273.98	3,300.91	3,275.02	8.21	11.05	-107.25	145.18	356.38	29.27	9.70	19.57	1.495	Level 3
3,400.00	3,373.06	3,399.08	3,374.17	8.40	11.37	-108.08	149.48	368.61	29.72	9.67	20.05	1.482	Level 3
3,500.00	3,472.15	3,499.08	3,473.33	8.59	11.69	-108.88	153.78	380.85	30.19	9.65	20.54	1.470	Level 3
3,600.00	3,571.23	3,600.92	3,572.48	8.80	12.02	-109.66	158.07	393.08	30.65	9.61	21.04	1.457	Level 3
3,700.00	3,670.32	3,700.92	3,671.64	9.01	12.34	-110.42	162.37	405.31	31.13	9.58	21.55	1.445	Level 3
3,800.00	3,769.40	3,800.92	3,770.79	9.23	12.67	-111.15	166.66	417.55	31.61	9.55	22.06	1.433	Level 3
3,900.00	3,868.48	3,900.93	3,869.94	9.45	12.99	-111.86	170.96	429.78	32.09	9.52	22.57	1.422	Level 3
4,000.00	3,967.57	4,000.93	3,969.10	9.67	13.32	-112.55	175.26	442.01	32.58	9.49	23.09	1.411	Level 3
4,100.00	4,066.65	4,100.93	4,068.25	9.91	13.64	-113.22	179.55	454.25	33.07	9.46	23.61	1.401	Level 3
4,200.00	4,165.74	4,200.93	4,167.41	10.14	13.97	-113.87	183.85	466.48	33.57	9.43	24.14	1.391	Level 3
4,300.00	4,264.82	4,300.93	4,266.56	10.38	14.30	-114.49	188.14	478.71	34.07	9.40	24.67	1.381	Level 3
4,400.00	4,363.91	4,400.94	4,365.71	10.63	14.63	-115.11	192.44	490.95	34.58	9.37	25.20	1.372	Level 3
4,500.00	4,462.99	4,500.94	4,464.87	10.87	14.95	-115.70	196.74	503.18	35.09	9.35	25.74	1.363	Level 3
4,600.00	4,562.07	4,600.94	4,564.02	11.12	15.28	-116.28	201.03	515.41	35.60	9.32	26.28	1.355	Level 3
4,700.00	4,661.16	4,700.94	4,663.17	11.38	15.61	-116.84	205.33	527.65	36.12	9.29	26.83	1.346	Level 3
4,800.00	4,760.24	4,800.94	4,762.33	11.64	15.94	-117.38	209.62	539.88	36.64	9.27	27.37	1.339	Level 3
4,900.00	4,859.33	4,900.95	4,861.48	11.90	16.27	-117.91	213.92	552.11	37.16	9.24	27.92	1.331	Level 3
5,000.00	4,958.41	5,000.95	4,960.64	12.16	16.60	-118.42	218.22	564.35	37.69	9.22	28.47	1.324	Level 3
5,100.00	5,057.50	5,100.95	5,059.79	12.42	16.93	-118.92	222.51	576.58	38.22	9.19	29.03	1.317	Level 3

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 30C-30-M - Wellbore #1 - Design #1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7781-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA — **Offset Well Error:** 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,200.95	5,158.94	12.69	17.26	-119.41	226.81	588.81	38.75	9.17	29.58	1.310	Level 3
5,300.00	5,255.66	5,300.95	5,258.10	12.96	17.59	-119.88	231.10	601.05	39.28	9.15	30.14	1.303	Level 3
5,400.00	5,354.75	5,400.96	5,357.25	13.23	17.92	-120.34	235.40	613.28	39.82	9.12	30.70	1.297	Level 3
5,500.00	5,453.83	5,500.96	5,456.41	13.50	18.25	-120.79	239.70	625.51	40.36	9.10	31.26	1.291	Level 3
5,600.00	5,552.92	5,600.96	5,555.56	13.78	18.58	-121.23	243.99	637.75	40.90	9.08	31.82	1.285	Level 3
5,700.00	5,652.00	5,700.96	5,654.71	14.05	18.92	-121.65	248.29	649.98	41.45	9.06	32.39	1.280	Level 3
5,800.00	5,751.09	5,799.04	5,753.87	14.33	19.24	-122.07	252.59	662.21	42.00	9.05	32.94	1.275	Level 3
5,900.00	5,850.17	5,900.97	5,853.02	14.61	19.58	-122.47	256.88	674.45	42.54	9.03	33.52	1.269	Level 3
6,000.00	5,949.25	6,000.97	5,952.18	14.89	19.91	-122.86	261.18	686.68	43.10	9.01	34.09	1.264	Level 3
6,100.00	6,048.34	6,100.97	6,051.33	15.18	20.24	-123.25	265.47	698.91	43.65	8.99	34.65	1.260	Level 3
6,200.00	6,147.42	6,200.97	6,150.48	15.46	20.58	-123.62	269.77	711.15	44.20	8.98	35.23	1.255	Level 3
6,300.00	6,246.51	6,300.97	6,249.64	15.74	20.91	-123.98	274.07	723.38	44.76	8.96	35.80	1.250	Level 3
6,400.00	6,345.70	6,400.99	6,348.78	16.01	21.24	-111.58	278.36	735.61	44.53	8.13	36.40	1.223	Level 2
6,500.00	6,445.51	6,501.91	6,447.02	16.18	21.58	25.10	282.62	747.73	35.47	-2.15	37.62	0.943	Level 1
6,582.52	6,526.98	6,577.53	6,525.79	16.27	21.83	78.51	286.03	757.45	27.74	-10.82	38.56	0.719	Level 1, ES, SF
6,600.00	6,543.99	6,606.06	6,542.07	16.29	21.92	91.17	286.74	759.46	28.38	-9.90	38.28	0.741	Level 1
6,700.00	6,638.74	6,684.22	6,631.58	16.35	22.18	140.33	290.61	770.51	56.09	20.04	36.04	1.556	
6,800.00	6,727.41	6,779.45	6,726.41	16.39	22.42	157.35	294.74	777.22	104.69	68.81	35.88	2.918	
6,900.00	6,807.81	6,886.08	6,832.42	16.41	22.59	164.18	299.39	768.09	155.67	120.19	35.48	4.388	
7,000.00	6,877.98	7,006.19	6,948.08	16.46	22.74	167.77	304.51	736.80	205.54	171.07	34.47	5.963	
7,100.00	6,936.18	7,144.00	7,070.80	16.57	22.91	169.94	310.03	674.94	251.74	218.96	32.78	7.680	
7,200.00	6,980.98	7,303.84	7,192.58	16.78	23.27	171.33	315.61	572.20	291.20	260.56	30.64	9.504	
7,300.00	7,011.28	7,487.76	7,296.03	17.11	24.25	172.18	320.51	420.99	320.15	291.21	28.94	11.063	
7,400.00	7,026.32	7,691.32	7,355.12	17.54	26.37	172.55	323.58	227.12	334.70	305.46	29.24	11.446	
7,500.00	7,028.24	7,835.80	7,361.19	18.08	27.73	172.56	324.22	82.91	335.78	305.40	30.38	11.053	
7,600.00	7,028.66	7,935.80	7,361.49	18.75	27.81	172.55	324.48	-17.09	335.67	304.87	30.80	10.898	
7,700.00	7,029.09	8,035.80	7,361.80	19.55	28.00	172.53	324.75	-117.09	335.57	304.24	31.32	10.713	
7,800.00	7,029.51	8,135.80	7,362.11	20.44	28.28	172.52	325.02	-217.09	335.46	303.52	31.94	10.503	
7,900.00	7,029.93	8,235.80	7,362.42	21.43	28.66	172.50	325.29	-317.09	335.36	302.71	32.65	10.272	
8,000.00	7,030.35	8,335.80	7,362.72	22.50	29.14	172.49	325.56	-417.08	335.25	301.81	33.44	10.026	
8,100.00	7,030.78	8,435.80	7,363.03	23.64	29.69	172.47	325.83	-517.08	335.15	300.84	34.31	9.769	
8,200.00	7,031.20	8,535.80	7,363.34	24.84	30.33	172.46	326.10	-617.08	335.04	299.79	35.25	9.505	
8,300.00	7,031.62	8,635.80	7,363.64	26.09	31.05	172.44	326.37	-717.08	334.94	298.68	36.26	9.237	
8,400.00	7,032.04	8,735.80	7,363.95	27.38	31.84	172.42	326.64	-817.08	334.83	297.50	37.33	8.969	
8,500.00	7,032.47	8,835.80	7,364.26	28.72	32.69	172.41	326.91	-917.08	334.73	296.26	38.46	8.703	
8,600.00	7,032.89	8,935.80	7,364.57	30.09	33.61	172.39	327.18	-1,017.08	334.62	294.98	39.65	8.440	
8,700.00	7,033.31	9,035.80	7,364.87	31.48	34.58	172.38	327.45	-1,117.08	334.52	293.64	40.88	8.184	
8,800.00	7,033.73	9,135.80	7,365.18	32.91	35.61	172.36	327.72	-1,217.08	334.41	292.26	42.15	7.933	
8,900.00	7,034.16	9,235.80	7,365.49	34.35	36.68	172.35	327.98	-1,317.08	334.31	290.84	43.47	7.691	
9,000.00	7,034.58	9,335.80	7,365.79	35.82	37.80	172.33	328.25	-1,417.08	334.20	289.38	44.82	7.457	
9,100.00	7,035.00	9,435.80	7,366.10	37.30	38.95	172.32	328.52	-1,517.07	334.10	287.89	46.21	7.231	
9,200.00	7,035.42	9,535.80	7,366.41	38.80	40.14	172.30	328.79	-1,617.07	334.00	286.37	47.62	7.013	
9,300.00	7,035.85	9,635.80	7,366.71	40.31	41.37	172.29	329.06	-1,717.07	333.89	284.82	49.07	6.805	
9,400.00	7,036.27	9,735.80	7,367.02	41.83	42.63	172.27	329.33	-1,817.07	333.79	283.25	50.54	6.605	
9,500.00	7,036.69	9,835.80	7,367.33	43.37	43.91	172.26	329.60	-1,917.07	333.68	281.65	52.03	6.413	
9,600.00	7,037.11	9,935.80	7,367.64	44.91	45.22	172.24	329.87	-2,017.07	333.58	280.03	53.55	6.229	
9,700.00	7,037.54	10,035.80	7,367.94	46.46	46.55	172.23	330.14	-2,117.07	333.47	278.39	55.08	6.054	
9,800.00	7,037.96	10,135.80	7,368.25	48.02	47.90	172.21	330.41	-2,217.07	333.37	276.73	56.64	5.886	
9,900.00	7,038.38	10,235.80	7,368.56	49.59	49.28	172.20	330.68	-2,317.07	333.26	275.06	58.21	5.725	
10,000.00	7,038.80	10,335.80	7,368.86	51.17	50.67	172.18	330.95	-2,417.07	333.16	273.36	59.79	5.572	
10,100.00	7,039.23	10,435.80	7,369.17	52.75	52.08	172.17	331.22	-2,517.07	333.06	271.66	61.40	5.425	
10,200.00	7,039.65	10,535.80	7,369.48	54.33	53.50	172.15	331.48	-2,617.06	332.95	269.94	63.01	5.284	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 30C-30-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 7781-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,040.07	10,635.80	7,369.79	55.93	54.93	172.14	331.75	-2,717.06	332.85	268.21	64.63	5.150	
10,400.00	7,040.49	10,735.80	7,370.09	57.52	56.38	172.12	332.02	-2,817.06	332.74	266.47	66.27	5.021	
10,500.00	7,040.92	10,835.80	7,370.40	59.12	57.85	172.11	332.29	-2,917.06	332.64	264.72	67.92	4.898	
10,600.00	7,041.34	10,935.80	7,370.71	60.73	59.32	172.09	332.56	-3,017.06	332.53	262.96	69.58	4.779	
10,700.00	7,041.76	11,035.80	7,371.01	62.33	60.80	172.08	332.83	-3,117.06	332.43	261.19	71.24	4.666	
10,800.00	7,042.18	11,135.80	7,371.32	63.94	62.30	172.06	333.10	-3,217.06	332.33	259.41	72.92	4.558	
10,900.00	7,042.61	11,235.80	7,371.63	65.56	63.80	172.05	333.37	-3,317.06	332.22	257.62	74.60	4.453	
11,000.00	7,043.03	11,335.80	7,371.93	67.17	65.31	172.03	333.64	-3,417.06	332.12	255.83	76.29	4.353	
11,100.00	7,043.45	11,435.80	7,372.24	68.79	66.82	172.01	333.91	-3,517.06	332.01	254.03	77.99	4.257	
11,200.00	7,043.87	11,535.80	7,372.55	70.41	68.35	172.00	334.18	-3,617.06	331.91	252.22	79.69	4.165	
11,300.00	7,044.30	11,635.80	7,372.86	72.04	69.88	171.98	334.45	-3,717.05	331.80	250.40	81.40	4.076	
11,400.00	7,044.72	11,735.80	7,373.16	73.67	71.42	171.97	334.72	-3,817.05	331.70	248.58	83.12	3.991	
11,500.00	7,045.14	11,835.80	7,373.47	75.29	72.96	171.95	334.98	-3,917.05	331.60	246.76	84.84	3.909	
11,600.00	7,045.56	11,935.80	7,373.78	76.92	74.51	171.94	335.25	-4,017.05	331.49	244.93	86.56	3.829	
11,700.00	7,045.99	12,035.80	7,374.08	78.56	76.07	171.92	335.52	-4,117.05	331.39	243.09	88.30	3.753	
11,800.00	7,046.41	12,135.80	7,374.39	80.19	77.63	171.91	335.79	-4,217.05	331.28	241.25	90.03	3.680	
11,900.00	7,046.83	12,235.80	7,374.70	81.82	79.19	171.89	336.06	-4,317.05	331.18	239.41	91.77	3.609	
12,000.00	7,047.25	12,335.80	7,375.01	83.46	80.76	171.88	336.33	-4,417.05	331.08	237.56	93.52	3.540	
12,100.00	7,047.68	12,435.80	7,375.31	85.10	82.33	171.86	336.60	-4,517.05	330.97	235.71	95.26	3.474	
12,200.00	7,048.10	12,535.80	7,375.62	86.74	83.91	171.85	336.87	-4,617.05	330.87	233.85	97.02	3.410	
12,300.00	7,048.52	12,635.80	7,375.93	88.38	85.49	171.83	337.14	-4,717.04	330.77	232.00	98.77	3.349	
12,400.00	7,048.94	12,735.80	7,376.23	90.02	87.07	171.81	337.41	-4,817.04	330.66	230.13	100.53	3.289	
12,500.00	7,049.37	12,835.80	7,376.54	91.66	88.66	171.80	337.68	-4,917.04	330.56	228.27	102.29	3.232	
12,600.00	7,049.79	12,935.80	7,376.85	93.31	90.25	171.78	337.95	-5,017.04	330.45	226.40	104.06	3.176	
12,700.00	7,050.21	13,035.80	7,377.15	94.95	91.84	171.77	338.22	-5,117.04	330.35	224.53	105.82	3.122	
12,800.00	7,050.63	13,135.80	7,377.46	96.60	93.44	171.75	338.48	-5,217.04	330.25	222.65	107.59	3.069	
12,900.00	7,051.06	13,235.80	7,377.77	98.24	95.03	171.74	338.75	-5,317.04	330.14	220.78	109.37	3.019	
13,000.00	7,051.48	13,335.80	7,378.08	99.89	96.63	171.72	339.02	-5,417.04	330.04	218.90	111.14	2.970	
13,100.00	7,051.90	13,435.80	7,378.38	101.54	98.24	171.71	339.29	-5,517.04	329.94	217.01	112.92	2.922	
13,200.00	7,052.32	13,535.80	7,378.69	103.19	99.84	171.69	339.56	-5,617.04	329.83	215.13	114.70	2.876	
13,300.00	7,052.75	13,635.80	7,379.00	104.84	101.45	171.67	339.83	-5,717.04	329.73	213.24	116.48	2.831	
13,400.00	7,053.17	13,735.80	7,379.30	106.49	103.06	171.66	340.10	-5,817.03	329.62	211.36	118.27	2.787	
13,500.00	7,053.59	13,835.80	7,379.61	108.14	104.67	171.64	340.37	-5,917.03	329.52	209.46	120.06	2.745	
13,600.00	7,054.01	13,935.80	7,379.92	109.79	106.28	171.63	340.64	-6,017.03	329.42	207.57	121.85	2.704	
13,700.00	7,054.44	14,035.80	7,380.23	111.44	107.90	171.61	340.91	-6,117.03	329.31	205.68	123.64	2.664	
13,800.00	7,054.86	14,135.80	7,380.53	113.09	109.51	171.60	341.18	-6,217.03	329.21	203.78	125.43	2.625	
13,900.00	7,055.28	14,235.80	7,380.84	114.75	111.13	171.58	341.45	-6,317.03	329.11	201.88	127.22	2.587	
14,000.00	7,055.70	14,335.80	7,381.15	116.40	112.75	171.57	341.72	-6,417.03	329.00	199.98	129.02	2.550	
14,100.00	7,056.13	14,435.79	7,381.45	118.06	114.37	171.55	341.98	-6,517.03	328.90	198.08	130.82	2.514	
14,200.00	7,056.55	14,535.79	7,381.76	119.71	116.00	171.53	342.25	-6,617.03	328.80	196.18	132.62	2.479	
14,300.00	7,056.97	14,635.79	7,382.07	121.37	117.62	171.52	342.52	-6,717.03	328.69	194.27	134.42	2.445	
14,400.00	7,057.39	14,735.79	7,382.37	123.02	119.25	171.50	342.79	-6,817.03	328.59	192.37	136.22	2.412	
14,500.00	7,057.82	14,835.79	7,382.68	124.68	120.87	171.49	343.06	-6,917.02	328.49	190.46	138.03	2.380	
14,600.00	7,058.24	14,935.79	7,382.99	126.33	122.50	171.47	343.33	-7,017.02	328.38	188.55	139.83	2.348	
14,700.00	7,058.66	15,035.79	7,383.30	127.99	124.13	171.46	343.60	-7,117.02	328.28	186.64	141.64	2.318	
14,800.00	7,059.08	15,135.79	7,383.60	129.65	125.76	171.44	343.87	-7,217.02	328.18	184.73	143.45	2.288	
14,900.00	7,059.51	15,235.79	7,383.91	131.31	127.39	171.42	344.14	-7,317.02	328.07	182.81	145.26	2.259	
15,000.00	7,059.93	15,335.79	7,384.22	132.96	129.03	171.41	344.41	-7,417.02	327.97	180.90	147.07	2.230	
15,100.00	7,060.35	15,435.79	7,384.52	134.62	130.66	171.39	344.68	-7,517.02	327.87	178.98	148.88	2.202	
15,200.00	7,060.77	15,535.79	7,384.83	136.28	132.29	171.38	344.95	-7,617.02	327.76	177.07	150.70	2.175	
15,253.82	7,061.00	15,589.62	7,385.00	137.17	133.17	171.37	345.09	-7,670.84	327.71	176.03	151.68	2.161	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 30N-30B-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-0.40	40.07	-0.28	40.07				
100.00	100.00	100.00	100.00	3.28	3.28	-0.40	40.07	-0.28	40.07	32.54	7.53	5.323	
200.00	200.00	200.00	200.00	3.31	3.31	-0.40	40.07	-0.28	40.07	32.50	7.57	5.291	CC
300.00	299.98	299.34	299.32	3.35	3.35	-72.59	40.90	1.23	40.37	32.71	7.66	5.271	
400.00	399.84	398.67	398.51	3.42	3.42	-73.15	43.40	5.75	41.27	33.49	7.79	5.300	
500.00	499.45	497.99	497.45	3.51	3.51	-74.02	47.56	13.28	42.78	34.82	7.96	5.372	
600.00	598.71	597.29	596.01	3.63	3.63	-75.12	53.36	23.80	44.92	36.72	8.20	5.480	
700.00	697.79	702.88	694.81	3.77	3.78	-75.20	60.32	36.39	47.72	39.22	8.50	5.613	
800.00	796.87	802.92	793.71	3.94	3.96	-75.20	67.31	49.06	50.55	41.70	8.85	5.713	
900.00	895.96	902.96	892.62	4.14	4.15	-75.21	74.30	61.72	53.38	44.14	9.24	5.779	
1,000.00	995.04	1,003.00	991.53	4.35	4.37	-75.21	81.29	74.38	56.21	46.55	9.66	5.817	
1,100.00	1,094.13	1,096.96	1,090.44	4.58	4.59	-75.21	88.28	87.05	59.04	48.93	10.10	5.843	
1,200.00	1,193.21	1,196.92	1,189.35	4.82	4.84	-75.22	95.27	99.71	61.87	51.28	10.59	5.843	
1,300.00	1,292.29	1,303.12	1,288.25	5.07	5.11	-75.22	102.26	112.37	64.70	53.58	11.11	5.823	
1,400.00	1,391.38	1,403.16	1,387.16	5.33	5.38	-75.22	109.25	125.04	67.52	55.89	11.64	5.802	
1,500.00	1,490.46	1,503.20	1,486.07	5.61	5.66	-75.22	116.24	137.70	70.35	58.17	12.18	5.775	
1,600.00	1,589.55	1,603.24	1,584.98	5.88	5.95	-75.23	123.23	150.36	73.18	60.44	12.74	5.743	
1,700.00	1,688.63	1,703.28	1,683.89	6.17	6.24	-75.23	130.22	163.02	76.01	62.70	13.31	5.709	
1,800.00	1,787.72	1,803.32	1,782.79	6.46	6.53	-75.23	137.21	175.69	78.84	64.95	13.89	5.675	
1,900.00	1,886.80	1,903.36	1,881.70	6.62	6.69	-75.23	144.20	188.35	81.67	67.85	13.82	5.909	
2,000.00	1,985.88	2,003.40	1,980.61	6.65	6.72	-75.23	151.19	201.01	84.50	70.62	13.88	6.087	
2,100.00	2,084.97	2,103.44	2,079.52	6.69	6.77	-75.24	158.18	213.68	87.33	73.36	13.97	6.251	
2,200.00	2,184.05	2,203.48	2,178.42	6.75	6.83	-75.24	165.17	226.34	90.16	76.07	14.09	6.399	
2,300.00	2,283.14	2,303.52	2,277.33	6.82	6.91	-75.24	172.16	239.00	92.99	78.75	14.24	6.531	
2,400.00	2,382.22	2,403.56	2,376.24	6.91	7.00	-75.24	179.15	251.67	95.81	81.40	14.41	6.649	
2,500.00	2,481.31	2,503.60	2,475.15	7.01	7.10	-75.24	186.14	264.33	98.64	84.03	14.61	6.751	
2,600.00	2,580.39	2,603.64	2,574.06	7.12	7.22	-75.24	193.13	276.99	101.47	86.64	14.84	6.839	
2,700.00	2,679.47	2,696.32	2,672.96	7.25	7.34	-75.24	200.12	289.65	104.30	89.22	15.08	6.918	
2,800.00	2,778.56	2,796.28	2,771.87	7.38	7.48	-75.24	207.11	302.32	107.13	91.78	15.35	6.980	
2,900.00	2,877.64	2,903.76	2,870.78	7.53	7.64	-75.25	214.10	314.98	109.96	94.31	15.65	7.025	
3,000.00	2,976.73	2,996.20	2,969.69	7.68	7.78	-75.25	221.10	327.64	112.79	96.83	15.96	7.069	
3,100.00	3,075.81	3,103.84	3,068.60	7.85	7.96	-75.25	228.09	340.31	115.62	99.32	16.30	7.092	
3,200.00	3,174.90	3,203.88	3,167.50	8.02	8.14	-75.25	235.08	352.97	118.45	101.79	16.65	7.112	
3,300.00	3,273.98	3,303.92	3,266.41	8.21	8.33	-75.25	242.07	365.63	121.28	104.25	17.02	7.125	
3,400.00	3,373.06	3,403.96	3,365.32	8.40	8.52	-75.25	249.06	378.30	124.11	106.70	17.41	7.130	
3,500.00	3,472.15	3,496.00	3,464.23	8.59	8.71	-75.25	256.05	390.96	126.93	109.15	17.79	7.136	
3,600.00	3,571.23	3,604.04	3,563.14	8.80	8.93	-75.25	263.04	403.62	129.76	111.55	18.22	7.123	
3,700.00	3,670.32	3,704.08	3,662.04	9.01	9.15	-75.25	270.03	416.29	132.59	113.95	18.64	7.113	
3,800.00	3,769.40	3,795.88	3,760.95	9.23	9.35	-75.25	277.02	428.95	135.42	116.36	19.06	7.105	
3,900.00	3,868.48	3,895.84	3,859.86	9.45	9.57	-75.25	284.01	441.61	138.25	118.74	19.51	7.087	
4,000.00	3,967.57	3,995.80	3,958.77	9.67	9.80	-75.25	291.00	454.27	141.08	121.11	19.96	7.066	
4,100.00	4,066.65	4,104.24	4,057.68	9.91	10.06	-75.25	297.99	466.94	143.91	123.46	20.45	7.036	
4,200.00	4,165.74	4,204.28	4,156.58	10.14	10.30	-75.25	304.98	479.60	146.74	125.81	20.93	7.011	
4,300.00	4,264.82	4,304.32	4,255.49	10.38	10.54	-75.26	311.97	492.26	149.57	128.15	21.41	6.985	
4,400.00	4,363.91	4,404.36	4,354.40	10.63	10.79	-75.26	318.96	504.93	152.40	130.49	21.91	6.957	
4,500.00	4,462.99	4,504.40	4,453.31	10.87	11.04	-75.26	325.95	517.59	155.22	132.82	22.41	6.928	
4,600.00	4,562.07	4,604.44	4,552.22	11.12	11.30	-75.26	332.94	530.25	158.05	135.14	22.91	6.898	
4,700.00	4,661.16	4,695.52	4,651.12	11.38	11.53	-75.26	339.93	542.92	160.88	137.48	23.40	6.875	
4,800.00	4,760.24	4,804.52	4,750.03	11.64	11.81	-75.26	346.92	555.58	163.71	139.77	23.94	6.838	
4,900.00	4,859.33	4,904.56	4,848.94	11.90	12.08	-75.26	353.91	568.24	166.54	142.07	24.47	6.807	
5,000.00	4,958.41	5,004.60	4,947.85	12.16	12.34	-75.26	360.90	580.90	169.37	144.37	25.00	6.776	
5,100.00	5,057.50	5,104.64	5,046.75	12.42	12.61	-75.26	367.89	593.57	172.20	146.67	25.53	6.745	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 30N-30B-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,204.68	5,145.66	12.69	12.88	-75.26	374.88	606.23	175.03	148.96	26.07	6.714	
5,300.00	5,255.66	5,304.72	5,244.57	12.96	13.16	-75.26	381.87	618.89	177.86	151.25	26.61	6.684	
5,400.00	5,354.75	5,404.76	5,343.48	13.23	13.43	-75.26	388.86	631.56	180.69	153.53	27.16	6.653	
5,500.00	5,453.83	5,504.80	5,442.39	13.50	13.71	-75.26	395.85	644.22	183.52	155.81	27.71	6.623	
5,600.00	5,552.92	5,604.84	5,541.29	13.78	13.99	-75.26	402.85	656.88	186.34	158.08	28.26	6.594	
5,700.00	5,652.00	5,704.88	5,640.20	14.05	14.27	-75.26	409.84	669.55	189.17	160.36	28.82	6.565	
5,800.00	5,751.09	5,795.08	5,739.11	14.33	14.52	-75.26	416.83	682.21	192.00	162.65	29.35	6.542	
5,900.00	5,850.17	5,904.96	5,838.02	14.61	14.83	-75.26	423.82	694.87	194.83	164.89	29.94	6.507	
6,000.00	5,949.25	6,005.00	5,936.93	14.89	15.12	-75.26	430.81	707.54	197.66	167.15	30.51	6.479	
6,100.00	6,048.34	6,105.04	6,035.83	15.18	15.40	-75.26	437.80	720.20	200.49	169.42	31.07	6.452	
6,200.00	6,147.42	6,205.08	6,134.74	15.46	15.69	-75.26	444.79	732.86	203.32	171.67	31.65	6.425	
6,300.00	6,246.51	6,305.12	6,233.65	15.74	15.98	-75.26	451.78	745.52	206.15	173.93	32.22	6.398	
6,400.00	6,345.70	6,405.18	6,332.54	16.01	16.27	-63.13	458.77	758.19	208.92	176.14	32.77	6.375	
6,500.00	6,445.51	6,493.80	6,430.48	16.18	16.52	63.33	465.69	770.72	211.38	178.24	33.14	6.378	
6,600.00	6,543.99	6,592.65	6,528.68	16.29	16.76	85.96	472.64	778.67	215.61	182.26	33.35	6.465	
6,700.00	6,638.74	6,695.58	6,630.97	16.35	16.92	95.56	479.90	771.07	222.38	188.97	33.41	6.656	
6,800.00	6,727.41	6,803.04	6,734.98	16.39	17.02	102.47	487.32	745.64	231.15	197.80	33.35	6.932	
6,900.00	6,807.81	6,915.37	6,837.52	16.41	17.08	107.97	494.66	700.74	241.13	207.97	33.16	7.272	
7,000.00	6,877.98	7,032.73	6,934.50	16.46	17.10	112.37	501.64	635.32	251.36	218.47	32.89	7.643	
7,100.00	6,936.18	7,155.00	7,021.03	16.57	17.14	115.78	507.92	549.42	260.87	228.23	32.64	7.992	
7,200.00	6,980.98	7,281.66	7,091.70	16.78	17.27	118.25	513.11	444.69	268.69	236.12	32.57	8.250	
7,300.00	7,011.28	7,411.75	7,141.32	17.11	17.57	119.79	516.82	324.74	274.07	241.22	32.85	8.344	
7,400.00	7,026.32	7,543.87	7,165.79	17.54	18.09	120.43	518.78	195.16	276.44	242.88	33.55	8.239	
7,500.00	7,028.24	7,656.64	7,168.11	18.08	18.70	120.40	519.13	82.45	276.39	241.88	34.51	8.009	
7,600.00	7,028.66	7,756.64	7,168.29	18.75	19.37	120.36	519.31	-17.55	276.25	240.64	35.61	7.757	
7,700.00	7,029.09	7,856.64	7,168.47	19.55	20.15	120.32	519.49	-117.55	276.12	239.19	36.93	7.477	
7,800.00	7,029.51	7,956.64	7,168.65	20.44	21.03	120.28	519.67	-217.55	275.98	237.54	38.45	7.179	
7,900.00	7,029.93	8,056.64	7,168.82	21.43	22.01	120.23	519.85	-317.55	275.85	235.71	40.13	6.873	
8,000.00	7,030.35	8,156.64	7,169.00	22.50	23.06	120.19	520.03	-417.55	275.71	233.74	41.97	6.569	
8,100.00	7,030.78	8,256.64	7,169.18	23.64	24.18	120.15	520.21	-517.55	275.57	231.63	43.95	6.270	
8,200.00	7,031.20	8,356.64	7,169.36	24.84	25.36	120.11	520.39	-617.55	275.44	229.40	46.04	5.983	
8,300.00	7,031.62	8,456.64	7,169.54	26.09	26.59	120.06	520.57	-717.54	275.30	227.07	48.23	5.708	
8,400.00	7,032.04	8,556.64	7,169.72	27.38	27.87	120.02	520.75	-817.54	275.17	224.65	50.51	5.447	
8,500.00	7,032.47	8,656.64	7,169.90	28.72	29.19	119.98	520.93	-917.54	275.03	222.16	52.87	5.202	
8,600.00	7,032.89	8,756.64	7,170.08	30.09	30.54	119.94	521.11	-1,017.54	274.90	219.60	55.30	4.971	
8,700.00	7,033.31	8,856.64	7,170.26	31.48	31.92	119.90	521.29	-1,117.54	274.76	216.98	57.78	4.755	
8,800.00	7,033.73	8,956.64	7,170.44	32.91	33.33	119.85	521.47	-1,217.54	274.62	214.31	60.32	4.553	
8,900.00	7,034.16	9,056.64	7,170.62	34.35	34.76	119.81	521.65	-1,317.54	274.49	211.59	62.90	4.364	
9,000.00	7,034.58	9,156.64	7,170.80	35.82	36.21	119.77	521.83	-1,417.54	274.36	208.83	65.53	4.187	
9,100.00	7,035.00	9,256.64	7,170.97	37.30	37.68	119.73	522.01	-1,517.54	274.22	206.03	68.19	4.022	
9,200.00	7,035.42	9,356.64	7,171.15	38.80	39.17	119.68	522.19	-1,617.54	274.09	203.21	70.88	3.867	
9,300.00	7,035.85	9,456.64	7,171.33	40.31	40.67	119.64	522.36	-1,717.54	273.95	200.35	73.60	3.722	
9,400.00	7,036.27	9,556.64	7,171.51	41.83	42.18	119.60	522.54	-1,817.54	273.82	197.47	76.35	3.586	
9,500.00	7,036.69	9,656.64	7,171.69	43.37	43.71	119.56	522.72	-1,917.54	273.68	194.56	79.12	3.459	
9,600.00	7,037.11	9,756.64	7,171.87	44.91	45.24	119.51	522.90	-2,017.54	273.55	191.64	81.91	3.340	
9,700.00	7,037.54	9,856.63	7,172.05	46.46	46.79	119.47	523.08	-2,117.54	273.42	188.69	84.72	3.227	
9,800.00	7,037.96	9,956.63	7,172.23	48.02	48.34	119.43	523.26	-2,217.54	273.28	185.73	87.55	3.121	
9,900.00	7,038.38	10,056.63	7,172.41	49.59	49.90	119.38	523.44	-2,317.53	273.15	182.75	90.40	3.022	
10,000.00	7,038.80	10,156.63	7,172.59	51.17	51.47	119.34	523.62	-2,417.53	273.02	179.76	93.26	2.928	
10,100.00	7,039.23	10,256.63	7,172.77	52.75	53.04	119.30	523.80	-2,517.53	272.88	176.75	96.13	2.839	
10,200.00	7,039.65	10,356.63	7,172.94	54.33	54.62	119.26	523.98	-2,617.53	272.75	173.73	99.02	2.755	
10,300.00	7,040.07	10,456.63	7,173.12	55.93	56.21	119.21	524.16	-2,717.53	272.62	170.70	101.92	2.675	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 30N-30B-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,040.49	10,556.63	7,173.30	57.52	57.80	119.17	524.34	-2,817.53	272.49	167.66	104.83	2.599	
10,500.00	7,040.92	10,656.63	7,173.48	59.12	59.39	119.13	524.52	-2,917.53	272.35	164.61	107.75	2.528	
10,600.00	7,041.34	10,756.63	7,173.66	60.73	60.99	119.08	524.70	-3,017.53	272.22	161.55	110.68	2.460	
10,700.00	7,041.76	10,856.63	7,173.84	62.33	62.59	119.04	524.88	-3,117.53	272.09	158.48	113.61	2.395	
10,800.00	7,042.18	10,956.63	7,174.02	63.94	64.20	119.00	525.06	-3,217.53	271.96	155.40	116.56	2.333	
10,900.00	7,042.61	11,056.63	7,174.20	65.56	65.81	118.95	525.24	-3,317.53	271.82	152.31	119.51	2.274	
11,000.00	7,043.03	11,156.63	7,174.38	67.17	67.42	118.91	525.42	-3,417.53	271.69	149.22	122.47	2.218	
11,100.00	7,043.45	11,256.63	7,174.56	68.79	69.04	118.87	525.60	-3,517.53	271.56	146.12	125.44	2.165	
11,200.00	7,043.87	11,356.63	7,174.74	70.41	70.65	118.82	525.78	-3,617.53	271.43	143.01	128.42	2.114	
11,300.00	7,044.30	11,456.63	7,174.92	72.04	72.27	118.78	525.96	-3,717.53	271.30	139.90	131.40	2.065	
11,400.00	7,044.72	11,556.63	7,175.09	73.67	73.90	118.74	526.14	-3,817.53	271.17	136.78	134.39	2.018	
11,500.00	7,045.14	11,656.63	7,175.27	75.29	75.52	118.69	526.32	-3,917.52	271.04	133.66	137.38	1.973	
11,600.00	7,045.56	11,756.63	7,175.45	76.92	77.15	118.65	526.50	-4,017.52	270.91	130.53	140.38	1.930	
11,700.00	7,045.99	11,856.63	7,175.63	78.56	78.78	118.61	526.68	-4,117.52	270.78	127.39	143.38	1.889	
11,800.00	7,046.41	11,956.63	7,175.81	80.19	80.41	118.56	526.86	-4,217.52	270.65	124.26	146.39	1.849	
11,900.00	7,046.83	12,056.63	7,175.99	81.82	82.04	118.52	527.04	-4,317.52	270.51	121.11	149.40	1.811	
12,000.00	7,047.25	12,156.63	7,176.17	83.46	83.67	118.48	527.22	-4,417.52	270.38	117.96	152.42	1.774	
12,100.00	7,047.68	12,256.63	7,176.35	85.10	85.31	118.43	527.40	-4,517.52	270.25	114.81	155.44	1.739	
12,200.00	7,048.10	12,356.63	7,176.53	86.74	86.94	118.39	527.58	-4,617.52	270.13	111.66	158.47	1.705	
12,300.00	7,048.52	12,456.63	7,176.71	88.38	88.58	118.34	527.76	-4,717.52	270.00	108.49	161.50	1.672	
12,400.00	7,048.94	12,556.63	7,176.89	90.02	90.22	118.30	527.94	-4,817.52	269.87	105.33	164.54	1.640	
12,500.00	7,049.37	12,656.63	7,177.07	91.66	91.86	118.26	528.12	-4,917.52	269.74	102.16	167.57	1.610	
12,600.00	7,049.79	12,756.63	7,177.24	93.31	93.50	118.21	528.30	-5,017.52	269.61	98.99	170.62	1.580	
12,700.00	7,050.21	12,856.63	7,177.42	94.95	95.14	118.17	528.48	-5,117.52	269.48	95.82	173.66	1.552	
12,800.00	7,050.63	12,956.63	7,177.60	96.60	96.79	118.12	528.66	-5,217.52	269.35	92.64	176.71	1.524	
12,900.00	7,051.06	13,056.63	7,177.78	98.24	98.43	118.08	528.84	-5,317.52	269.22	89.45	179.77	1.498	Level 3
13,000.00	7,051.48	13,156.63	7,177.96	99.89	100.08	118.04	529.02	-5,417.52	269.09	86.27	182.82	1.472	Level 3
13,100.00	7,051.90	13,256.62	7,178.14	101.54	101.72	117.99	529.20	-5,517.52	268.96	83.08	185.88	1.447	Level 3
13,200.00	7,052.32	13,356.62	7,178.32	103.19	103.37	117.95	529.38	-5,617.51	268.84	79.89	188.95	1.423	Level 3
13,300.00	7,052.75	13,456.62	7,178.50	104.84	105.02	117.90	529.56	-5,717.51	268.71	76.70	192.01	1.399	Level 3
13,400.00	7,053.17	13,556.62	7,178.68	106.49	106.66	117.86	529.74	-5,817.51	268.58	73.50	195.08	1.377	Level 3
13,500.00	7,053.59	13,656.62	7,178.86	108.14	108.31	117.82	529.92	-5,917.51	268.45	70.30	198.15	1.355	Level 3
13,600.00	7,054.01	13,756.62	7,179.04	109.79	109.96	117.77	530.10	-6,017.51	268.32	67.09	201.23	1.333	Level 3
13,700.00	7,054.44	13,856.62	7,179.21	111.44	111.61	117.73	530.27	-6,117.51	268.20	63.89	204.31	1.313	Level 3
13,800.00	7,054.86	13,956.62	7,179.39	113.09	113.27	117.68	530.45	-6,217.51	268.07	60.68	207.39	1.293	Level 3
13,900.00	7,055.28	14,056.62	7,179.57	114.75	114.92	117.64	530.63	-6,317.51	267.94	57.47	210.47	1.273	Level 3
14,000.00	7,055.70	14,156.62	7,179.75	116.40	116.57	117.59	530.81	-6,417.51	267.82	54.26	213.56	1.254	Level 3
14,100.00	7,056.13	14,256.62	7,179.93	118.06	118.22	117.55	530.99	-6,517.51	267.69	51.04	216.65	1.236	Level 2
14,200.00	7,056.55	14,356.62	7,180.11	119.71	119.88	117.50	531.17	-6,617.51	267.56	47.82	219.74	1.218	Level 2
14,300.00	7,056.97	14,456.62	7,180.29	121.37	121.53	117.46	531.35	-6,717.51	267.44	44.60	222.84	1.200	Level 2
14,400.00	7,057.39	14,556.62	7,180.47	123.02	123.18	117.41	531.53	-6,817.51	267.31	41.38	225.93	1.183	Level 2
14,500.00	7,057.82	14,656.62	7,180.65	124.68	124.84	117.37	531.71	-6,917.51	267.18	38.15	229.03	1.167	Level 2
14,600.00	7,058.24	14,756.62	7,180.83	126.33	126.49	117.32	531.89	-7,017.51	267.06	34.92	232.13	1.150	Level 2
14,700.00	7,058.66	14,856.62	7,181.01	127.99	128.15	117.28	532.07	-7,117.51	266.93	31.69	235.24	1.135	Level 2
14,800.00	7,059.08	14,956.62	7,181.19	129.65	129.81	117.24	532.25	-7,217.50	266.81	28.46	238.35	1.119	Level 2
14,900.00	7,059.51	15,056.62	7,181.36	131.31	131.46	117.19	532.43	-7,317.50	266.68	25.23	241.45	1.104	Level 2
15,000.00	7,059.93	15,156.62	7,181.54	132.96	133.12	117.15	532.61	-7,417.50	266.56	21.99	244.57	1.090	Level 2
15,100.00	7,060.35	15,256.62	7,181.72	134.62	134.78	117.10	532.79	-7,517.50	266.43	18.75	247.68	1.076	Level 2
15,200.00	7,060.77	15,356.62	7,181.90	136.28	136.43	117.06	532.97	-7,617.50	266.31	15.51	250.80	1.062	Level 2
15,253.82	7,061.00	15,410.44	7,182.00	137.17	137.33	117.03	533.07	-7,671.32	266.24	13.76	252.47	1.055	Level 2, ES, SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 31N-30B-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	179.60	-120.22	0.84	120.22				
100.00	100.00	100.00	100.00	3.28	3.28	179.60	-120.22	0.84	120.22	112.69	7.53	15.968	
200.00	200.00	200.00	200.00	3.31	3.31	179.60	-120.22	0.84	120.22	112.65	7.57	15.873	CC, ES
300.00	299.98	297.36	297.34	3.35	3.34	107.73	-121.27	2.12	121.83	114.18	7.66	15.914	
400.00	399.84	394.57	394.42	3.42	3.40	108.11	-124.40	5.95	126.67	118.90	7.78	16.289	
500.00	499.45	491.47	490.97	3.51	3.49	108.66	-129.60	12.30	134.74	126.80	7.94	16.960	
600.00	598.71	587.91	586.72	3.63	3.59	109.34	-136.83	21.13	146.02	137.86	8.17	17.878	
700.00	697.79	684.59	682.29	3.77	3.74	109.61	-146.06	32.41	159.74	151.30	8.44	18.921	
800.00	796.87	783.56	779.98	3.94	3.92	109.59	-156.12	44.71	174.06	165.28	8.78	19.833	
900.00	895.96	882.53	877.67	4.14	4.13	109.57	-166.19	57.00	188.38	179.22	9.15	20.580	
1,000.00	995.04	981.50	975.35	4.35	4.36	109.55	-176.26	69.30	202.69	193.12	9.57	21.184	
1,100.00	1,094.13	1,080.47	1,073.04	4.58	4.60	109.53	-186.32	81.60	217.01	206.99	10.02	21.666	
1,200.00	1,193.21	1,179.44	1,170.72	4.82	4.87	109.52	-196.39	93.90	231.33	220.83	10.49	22.047	
1,300.00	1,292.29	1,278.41	1,268.41	5.07	5.15	109.50	-206.45	106.19	245.64	234.65	10.99	22.347	
1,400.00	1,391.38	1,377.38	1,366.09	5.33	5.44	109.49	-216.52	118.49	259.96	248.45	11.51	22.579	
1,500.00	1,490.46	1,476.35	1,463.78	5.61	5.74	109.48	-226.58	130.79	274.28	262.22	12.05	22.759	
1,600.00	1,589.55	1,575.32	1,561.47	5.88	6.05	109.47	-236.65	143.09	288.59	275.99	12.61	22.894	
1,700.00	1,688.63	1,674.29	1,659.15	6.17	6.37	109.47	-246.71	155.38	302.91	289.74	13.17	22.995	
1,800.00	1,787.72	1,773.26	1,756.84	6.46	6.69	109.46	-256.78	167.68	317.23	303.48	13.75	23.069	
1,900.00	1,886.80	1,872.23	1,854.52	6.62	6.91	109.45	-266.84	179.98	331.54	317.82	13.72	24.162	
2,000.00	1,985.88	1,971.20	1,952.21	6.65	6.98	109.44	-276.91	192.28	345.86	332.04	13.82	25.031	
2,100.00	2,084.97	2,070.17	2,049.89	6.69	7.03	109.44	-286.98	204.57	360.18	346.27	13.90	25.909	
2,200.00	2,184.05	2,169.14	2,147.58	6.75	7.10	109.43	-297.04	216.87	374.49	360.48	14.02	26.720	
2,300.00	2,283.14	2,268.11	2,245.26	6.82	7.17	109.43	-307.11	229.17	388.81	374.65	14.16	27.462	
2,400.00	2,382.22	2,367.07	2,342.95	6.91	7.27	109.42	-317.17	241.47	403.13	388.80	14.33	28.136	
2,500.00	2,481.31	2,466.04	2,440.64	7.01	7.38	109.42	-327.24	253.76	417.44	402.92	14.52	28.741	
2,600.00	2,580.39	2,565.01	2,538.32	7.12	7.50	109.42	-337.30	266.06	431.76	417.01	14.75	29.279	
2,700.00	2,679.47	2,663.98	2,636.01	7.25	7.63	109.41	-347.37	278.36	446.08	431.08	14.99	29.753	
2,800.00	2,778.56	2,762.95	2,733.69	7.38	7.78	109.41	-357.43	290.66	460.39	445.13	15.26	30.166	
2,900.00	2,877.64	2,861.92	2,831.38	7.53	7.94	109.41	-367.50	302.95	474.71	459.16	15.55	30.521	
3,000.00	2,976.73	2,960.89	2,929.06	7.68	8.11	109.40	-377.56	315.25	489.03	473.16	15.87	30.823	
3,100.00	3,075.81	3,059.86	3,026.75	7.85	8.29	109.40	-387.63	327.55	503.34	487.15	16.20	31.076	
3,200.00	3,174.90	3,158.83	3,124.44	8.02	8.48	109.40	-397.69	339.85	517.66	501.11	16.55	31.285	
3,300.00	3,273.98	3,257.80	3,222.12	8.21	8.67	109.39	-407.76	352.14	531.98	515.06	16.91	31.453	
3,400.00	3,373.06	3,356.77	3,319.81	8.40	8.88	109.39	-417.83	364.44	546.29	529.00	17.30	31.585	
3,500.00	3,472.15	3,455.74	3,417.49	8.59	9.09	109.39	-427.89	376.74	560.61	542.92	17.69	31.685	
3,600.00	3,571.23	3,554.71	3,515.18	8.80	9.32	109.39	-437.96	389.04	574.93	556.82	18.10	31.756	
3,700.00	3,670.32	3,653.68	3,612.86	9.01	9.54	109.39	-448.02	401.34	589.24	570.72	18.53	31.802	
3,800.00	3,769.40	3,752.65	3,710.55	9.23	9.78	109.38	-458.09	413.63	603.56	584.60	18.96	31.826	
3,900.00	3,868.48	3,851.62	3,808.24	9.45	10.02	109.38	-468.15	425.93	617.88	598.47	19.41	31.830	
4,000.00	3,967.57	3,950.59	3,905.92	9.67	10.27	109.38	-478.22	438.23	632.19	612.33	19.87	31.817	
4,100.00	4,066.65	4,049.56	4,003.61	9.91	10.52	109.38	-488.28	450.53	646.51	626.17	20.34	31.790	
4,200.00	4,165.74	4,148.53	4,101.29	10.14	10.77	109.38	-498.35	462.82	660.83	640.02	20.81	31.751	
4,300.00	4,264.82	4,247.50	4,198.98	10.38	11.03	109.37	-508.41	475.12	675.15	653.85	21.30	31.700	
4,400.00	4,363.91	4,346.47	4,296.66	10.63	11.30	109.37	-518.48	487.42	689.46	667.67	21.79	31.641	
4,500.00	4,462.99	4,445.44	4,394.35	10.87	11.56	109.37	-528.55	499.72	703.78	681.49	22.29	31.573	
4,600.00	4,562.07	4,544.41	4,492.03	11.12	11.83	109.37	-538.61	512.01	718.10	695.30	22.80	31.500	
4,700.00	4,661.16	4,643.38	4,589.72	11.38	12.11	109.37	-548.68	524.31	732.41	709.10	23.31	31.421	
4,800.00	4,760.24	4,742.35	4,687.41	11.64	12.39	109.37	-558.74	536.61	746.73	722.90	23.83	31.337	
4,900.00	4,859.33	4,841.32	4,785.09	11.90	12.67	109.37	-568.81	548.91	761.05	736.69	24.35	31.250	
5,000.00	4,958.41	4,940.29	4,882.78	12.16	12.95	109.36	-578.87	561.20	775.36	750.48	24.88	31.160	
5,100.00	5,057.50	5,039.26	4,980.46	12.42	13.24	109.36	-588.94	573.50	789.68	764.26	25.42	31.068	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 31N-30B-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,138.23	5,078.15	12.69	13.53	109.36	-599.00	585.80	804.00	778.04	25.96	30.975	
5,300.00	5,255.66	5,237.20	5,175.83	12.96	13.82	109.36	-609.07	598.10	818.31	791.81	26.50	30.880	
5,400.00	5,354.75	5,336.17	5,273.52	13.23	14.11	109.36	-619.13	610.39	832.63	805.58	27.05	30.784	
5,500.00	5,453.83	5,435.14	5,371.21	13.50	14.40	109.36	-629.20	622.69	846.95	819.35	27.60	30.688	
5,600.00	5,552.92	5,534.11	5,468.89	13.78	14.70	109.36	-639.27	634.99	861.26	833.11	28.15	30.592	
5,700.00	5,652.00	5,633.08	5,566.58	14.05	15.00	109.36	-649.33	647.29	875.58	846.87	28.71	30.496	
5,800.00	5,751.09	5,732.05	5,664.26	14.33	15.30	109.36	-659.40	659.58	889.90	860.62	29.27	30.401	
5,900.00	5,850.17	5,831.02	5,761.95	14.61	15.60	109.36	-669.46	671.88	904.21	874.38	29.84	30.305	
6,000.00	5,949.25	5,929.99	5,859.63	14.89	15.90	109.35	-679.53	684.18	918.53	888.13	30.40	30.211	
6,100.00	6,048.34	6,028.96	5,957.32	15.18	16.20	109.35	-689.59	696.48	932.85	901.87	30.97	30.118	
6,200.00	6,147.42	6,127.93	6,055.01	15.46	16.51	109.35	-699.66	708.77	947.16	915.62	31.55	30.025	
6,300.00	6,246.51	6,226.90	6,152.69	15.74	16.82	109.35	-709.72	721.07	961.48	929.36	32.12	29.934	
6,400.00	6,345.70	6,325.85	6,250.36	16.01	17.12	121.70	-719.79	733.37	975.78	943.10	32.68	29.860	
6,500.00	6,445.51	6,423.86	6,347.10	16.18	17.43	-114.70	-729.76	745.55	989.80	956.69	33.11	29.894	
6,600.00	6,543.99	6,518.64	6,440.64	16.29	17.72	-98.35	-739.39	757.32	1,003.78	970.33	33.45	30.008	
6,700.00	6,638.74	6,613.73	6,534.92	16.35	17.94	-95.29	-749.09	764.16	1,018.38	984.71	33.66	30.251	
6,800.00	6,727.41	6,715.42	6,635.64	16.39	18.09	-94.48	-759.40	755.99	1,033.51	999.72	33.80	30.582	
6,900.00	6,807.81	6,825.01	6,741.24	16.41	18.20	-94.48	-770.14	729.28	1,048.74	1,014.86	33.87	30.959	
7,000.00	6,877.98	6,944.08	6,848.96	16.46	18.26	-94.88	-781.02	680.14	1,063.46	1,029.52	33.93	31.339	
7,100.00	6,936.18	7,074.10	6,953.94	16.57	18.27	-95.50	-791.53	604.54	1,076.93	1,042.89	34.04	31.641	
7,200.00	6,980.98	7,215.88	7,048.43	16.78	18.25	-96.20	-800.86	499.64	1,088.26	1,053.98	34.29	31.737	
7,300.00	7,011.28	7,368.81	7,121.79	17.11	18.23	-96.82	-807.92	366.06	1,096.53	1,061.68	34.85	31.462	
7,400.00	7,026.32	7,530.13	7,162.57	17.54	18.32	-97.22	-811.56	210.47	1,100.89	1,065.04	35.85	30.712	
7,500.00	7,028.24	7,662.44	7,168.08	18.08	18.69	-97.29	-811.67	78.39	1,101.33	1,064.28	37.05	29.728	
7,600.00	7,028.66	7,762.44	7,168.25	18.75	19.24	-97.28	-811.34	-21.61	1,101.16	1,062.84	38.33	28.732	
7,700.00	7,029.09	7,862.44	7,168.41	19.55	19.98	-97.27	-811.01	-121.61	1,101.00	1,061.15	39.84	27.633	
7,800.00	7,029.51	7,962.44	7,168.58	20.44	20.84	-97.26	-810.68	-221.61	1,100.83	1,059.25	41.57	26.478	
7,900.00	7,029.93	8,062.44	7,168.75	21.43	21.80	-97.25	-810.35	-321.60	1,100.66	1,057.17	43.50	25.305	
8,000.00	7,030.35	8,162.44	7,168.91	22.50	22.85	-97.23	-810.01	-421.60	1,100.50	1,054.92	45.58	24.144	
8,100.00	7,030.78	8,262.44	7,169.08	23.64	23.97	-97.22	-809.68	-521.60	1,100.33	1,052.52	47.81	23.015	
8,200.00	7,031.20	8,362.44	7,169.25	24.84	25.15	-97.21	-809.35	-621.60	1,100.16	1,050.00	50.16	21.933	
8,300.00	7,031.62	8,462.44	7,169.41	26.09	26.38	-97.20	-809.02	-721.60	1,100.00	1,047.38	52.62	20.905	
8,400.00	7,032.04	8,562.44	7,169.58	27.38	27.66	-97.18	-808.69	-821.60	1,099.83	1,044.66	55.17	19.935	
8,500.00	7,032.47	8,662.44	7,169.75	28.72	28.97	-97.17	-808.36	-921.60	1,099.67	1,041.86	57.80	19.024	
8,600.00	7,032.89	8,762.44	7,169.91	30.09	30.32	-97.16	-808.03	-1,021.60	1,099.50	1,039.00	60.50	18.172	
8,700.00	7,033.31	8,862.44	7,170.08	31.48	31.70	-97.15	-807.70	-1,121.60	1,099.33	1,036.07	63.27	17.376	
8,800.00	7,033.73	8,962.44	7,170.25	32.91	33.11	-97.13	-807.37	-1,221.59	1,099.17	1,033.09	66.08	16.634	
8,900.00	7,034.16	9,062.44	7,170.41	34.35	34.54	-97.12	-807.04	-1,321.59	1,099.00	1,030.06	68.94	15.941	
9,000.00	7,034.58	9,162.44	7,170.58	35.82	35.99	-97.11	-806.71	-1,421.59	1,098.84	1,026.99	71.84	15.295	
9,100.00	7,035.00	9,262.44	7,170.75	37.30	37.46	-97.10	-806.38	-1,521.59	1,098.67	1,023.89	74.78	14.692	
9,200.00	7,035.42	9,362.44	7,170.91	38.80	38.95	-97.08	-806.05	-1,621.59	1,098.51	1,020.75	77.75	14.128	
9,300.00	7,035.85	9,462.44	7,171.08	40.31	40.45	-97.07	-805.72	-1,721.59	1,098.34	1,017.59	80.75	13.601	
9,400.00	7,036.27	9,562.44	7,171.25	41.83	41.96	-97.06	-805.38	-1,821.59	1,098.18	1,014.40	83.78	13.109	
9,500.00	7,036.69	9,662.44	7,171.41	43.37	43.48	-97.05	-805.05	-1,921.59	1,098.01	1,011.19	86.82	12.647	
9,600.00	7,037.11	9,762.44	7,171.58	44.91	45.01	-97.04	-804.72	-2,021.59	1,097.84	1,007.96	89.89	12.213	
9,700.00	7,037.54	9,862.44	7,171.75	46.46	46.56	-97.02	-804.39	-2,121.58	1,097.68	1,004.70	92.98	11.806	
9,800.00	7,037.96	9,962.43	7,171.91	48.02	48.11	-97.01	-804.06	-2,221.58	1,097.51	1,001.44	96.08	11.423	
9,900.00	7,038.38	10,062.43	7,172.08	49.59	49.67	-97.00	-803.73	-2,321.58	1,097.35	998.15	99.19	11.063	
10,000.00	7,038.80	10,162.43	7,172.25	51.17	51.24	-96.99	-803.40	-2,421.58	1,097.18	994.86	102.33	10.723	
10,100.00	7,039.23	10,262.43	7,172.42	52.75	52.81	-96.97	-803.07	-2,521.58	1,097.02	991.55	105.47	10.401	
10,200.00	7,039.65	10,362.43	7,172.58	54.33	54.39	-96.96	-802.74	-2,621.58	1,096.85	988.23	108.62	10.098	
10,300.00	7,040.07	10,462.43	7,172.75	55.93	55.97	-96.95	-802.41	-2,721.58	1,096.69	984.90	111.79	9.810	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 31N-30B-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,040.49	10,562.43	7,172.92	57.52	57.56	-96.94	-802.08	-2,821.58	1,096.52	981.56	114.96	9.538	
10,500.00	7,040.92	10,662.43	7,173.08	59.12	59.15	-96.92	-801.75	-2,921.58	1,096.36	978.21	118.15	9.280	
10,600.00	7,041.34	10,762.43	7,173.25	60.73	60.75	-96.91	-801.42	-3,021.57	1,096.19	974.86	121.34	9.034	
10,700.00	7,041.76	10,862.43	7,173.42	62.33	62.35	-96.90	-801.09	-3,121.57	1,096.03	971.49	124.54	8.801	
10,800.00	7,042.18	10,962.43	7,173.58	63.94	63.96	-96.89	-800.75	-3,221.57	1,095.86	968.12	127.74	8.579	
10,900.00	7,042.61	11,062.43	7,173.75	65.56	65.57	-96.87	-800.42	-3,321.57	1,095.70	964.74	130.96	8.367	
11,000.00	7,043.03	11,162.43	7,173.92	67.17	67.18	-96.86	-800.09	-3,421.57	1,095.53	961.36	134.17	8.165	
11,100.00	7,043.45	11,262.43	7,174.08	68.79	68.79	-96.85	-799.76	-3,521.57	1,095.37	957.97	137.40	7.972	
11,200.00	7,043.87	11,362.43	7,174.25	70.41	70.41	-96.84	-799.43	-3,621.57	1,095.21	954.58	140.63	7.788	
11,300.00	7,044.30	11,462.43	7,174.42	72.04	72.03	-96.82	-799.10	-3,721.57	1,095.04	951.18	143.86	7.612	
11,400.00	7,044.72	11,562.43	7,174.58	73.67	73.65	-96.81	-798.77	-3,821.57	1,094.88	947.78	147.10	7.443	
11,500.00	7,045.14	11,662.43	7,174.75	75.29	75.28	-96.80	-798.44	-3,921.56	1,094.71	944.37	150.34	7.281	
11,600.00	7,045.56	11,762.43	7,174.92	76.92	76.90	-96.79	-798.11	-4,021.56	1,094.55	940.96	153.59	7.126	
11,700.00	7,045.99	11,862.43	7,175.08	78.56	78.53	-96.77	-797.78	-4,121.56	1,094.38	937.54	156.84	6.978	
11,800.00	7,046.41	11,962.43	7,175.25	80.19	80.16	-96.76	-797.45	-4,221.56	1,094.22	934.12	160.09	6.835	
11,900.00	7,046.83	12,062.43	7,175.42	81.82	81.79	-96.75	-797.12	-4,321.56	1,094.06	930.70	163.35	6.698	
12,000.00	7,047.25	12,162.43	7,175.58	83.46	83.42	-96.74	-796.79	-4,421.56	1,093.89	927.28	166.61	6.565	
12,100.00	7,047.68	12,262.43	7,175.75	85.10	85.06	-96.72	-796.45	-4,521.56	1,093.73	923.85	169.88	6.438	
12,200.00	7,048.10	12,362.42	7,175.92	86.74	86.70	-96.71	-796.12	-4,621.56	1,093.56	920.42	173.14	6.316	
12,300.00	7,048.52	12,462.42	7,176.08	88.38	88.33	-96.70	-795.79	-4,721.56	1,093.40	916.99	176.41	6.198	
12,400.00	7,048.94	12,562.42	7,176.25	90.02	89.97	-96.69	-795.46	-4,821.55	1,093.24	913.55	179.68	6.084	
12,500.00	7,049.37	12,662.42	7,176.42	91.66	91.61	-96.67	-795.13	-4,921.55	1,093.07	910.12	182.96	5.974	
12,600.00	7,049.79	12,762.42	7,176.58	93.31	93.25	-96.66	-794.80	-5,021.55	1,092.91	906.68	186.23	5.869	
12,700.00	7,050.21	12,862.42	7,176.75	94.95	94.89	-96.65	-794.47	-5,121.55	1,092.74	903.23	189.51	5.766	
12,800.00	7,050.63	12,962.42	7,176.92	96.60	96.54	-96.64	-794.14	-5,221.55	1,092.58	899.79	192.79	5.667	
12,900.00	7,051.06	13,062.42	7,177.08	98.24	98.18	-96.62	-793.81	-5,321.55	1,092.42	896.34	196.07	5.571	
13,000.00	7,051.48	13,162.42	7,177.25	99.89	99.83	-96.61	-793.48	-5,421.55	1,092.25	892.90	199.36	5.479	
13,100.00	7,051.90	13,262.42	7,177.42	101.54	101.47	-96.60	-793.15	-5,521.55	1,092.09	889.45	202.64	5.389	
13,200.00	7,052.32	13,362.42	7,177.58	103.19	103.12	-96.59	-792.82	-5,621.55	1,091.93	886.00	205.93	5.302	
13,300.00	7,052.75	13,462.42	7,177.75	104.84	104.77	-96.57	-792.49	-5,721.54	1,091.76	882.54	209.22	5.218	
13,400.00	7,053.17	13,562.42	7,177.92	106.49	106.41	-96.56	-792.16	-5,821.54	1,091.60	879.09	212.51	5.137	
13,500.00	7,053.59	13,662.42	7,178.08	108.14	108.06	-96.55	-791.82	-5,921.54	1,091.44	875.63	215.80	5.058	
13,600.00	7,054.01	13,762.42	7,178.25	109.79	109.71	-96.54	-791.49	-6,021.54	1,091.27	872.18	219.09	4.981	
13,700.00	7,054.44	13,862.42	7,178.42	111.44	111.36	-96.52	-791.16	-6,121.54	1,091.11	868.72	222.39	4.906	
13,800.00	7,054.86	13,962.42	7,178.59	113.09	113.01	-96.51	-790.83	-6,221.54	1,090.95	865.26	225.69	4.834	
13,900.00	7,055.28	14,062.42	7,178.75	114.75	114.66	-96.50	-790.50	-6,321.54	1,090.78	861.80	228.98	4.764	
14,000.00	7,055.70	14,162.42	7,178.92	116.40	116.32	-96.49	-790.17	-6,421.54	1,090.62	858.34	232.28	4.695	
14,100.00	7,056.13	14,262.42	7,179.09	118.06	117.97	-96.47	-789.84	-6,521.54	1,090.46	854.88	235.58	4.629	
14,200.00	7,056.55	14,362.42	7,179.25	119.71	119.62	-96.46	-789.51	-6,621.53	1,090.29	851.41	238.88	4.564	
14,300.00	7,056.97	14,462.42	7,179.42	121.37	121.28	-96.45	-789.18	-6,721.53	1,090.13	847.95	242.18	4.501	
14,400.00	7,057.39	14,562.42	7,179.59	123.02	122.93	-96.44	-788.85	-6,821.53	1,089.97	844.48	245.49	4.440	
14,500.00	7,057.82	14,662.42	7,179.75	124.68	124.59	-96.42	-788.52	-6,921.53	1,089.80	841.02	248.79	4.380	
14,600.00	7,058.24	14,762.41	7,179.92	126.33	126.24	-96.41	-788.19	-7,021.53	1,089.64	837.55	252.09	4.322	
14,700.00	7,058.66	14,862.41	7,180.09	127.99	127.90	-96.40	-787.86	-7,121.53	1,089.48	834.08	255.40	4.266	
14,800.00	7,059.08	14,962.41	7,180.25	129.65	129.55	-96.39	-787.53	-7,221.53	1,089.32	830.61	258.71	4.211	
14,900.00	7,059.51	15,062.41	7,180.42	131.31	131.21	-96.37	-787.19	-7,321.53	1,089.15	827.14	262.01	4.157	
15,000.00	7,059.93	15,162.41	7,180.59	132.96	132.87	-96.36	-786.86	-7,421.53	1,088.99	823.67	265.32	4.104	
15,100.00	7,060.35	15,262.41	7,180.75	134.62	134.52	-96.35	-786.53	-7,521.52	1,088.83	820.20	268.63	4.053	
15,200.00	7,060.77	15,362.41	7,180.92	136.28	136.18	-96.34	-786.20	-7,621.52	1,088.67	816.73	271.94	4.003	
15,249.55	7,060.98	15,410.68	7,181.00	137.10	136.98	-96.33	-786.04	-7,669.80	1,088.59	815.03	273.56	3.979	
15,253.82	7,061.00	15,410.68	7,181.00	137.17	136.98	-96.33	-786.04	-7,669.80	1,088.59	814.96	273.63	3.978	SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 31N-30C-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	179.52	-100.18	0.84	100.18				
100.00	100.00	100.00	100.00	3.28	3.28	179.52	-100.18	0.84	100.18	92.66	7.53	13.307	
200.00	200.00	200.00	200.00	3.31	3.31	179.52	-100.18	0.84	100.18	92.61	7.57	13.228	CC, ES
300.00	299.98	298.26	298.24	3.35	3.35	107.60	-101.01	2.30	101.57	93.91	7.66	13.265	
400.00	399.84	396.40	396.25	3.42	3.41	107.80	-103.51	6.69	105.72	97.94	7.78	13.589	
500.00	499.45	494.33	493.81	3.51	3.49	108.11	-107.64	13.97	112.64	104.69	7.95	14.164	
600.00	598.71	591.92	590.69	3.63	3.60	108.47	-113.40	24.11	122.30	114.11	8.18	14.948	
700.00	697.79	709.02	688.77	3.77	3.78	108.66	-120.31	36.27	133.43	124.94	8.50	15.707	
800.00	796.87	809.64	787.14	3.94	3.96	108.80	-127.26	48.51	144.59	135.75	8.84	16.362	
900.00	895.96	889.73	885.52	4.14	4.12	108.92	-134.21	60.74	155.75	146.57	9.18	16.965	
1,000.00	995.04	989.11	983.89	4.35	4.34	109.02	-141.16	72.97	166.90	157.31	9.59	17.395	
1,100.00	1,094.13	1,088.48	1,082.26	4.58	4.57	109.12	-148.11	85.21	178.06	168.02	10.04	17.733	
1,200.00	1,193.21	1,187.86	1,180.64	4.82	4.82	109.20	-155.06	97.44	189.22	178.71	10.52	17.995	
1,300.00	1,292.29	1,287.23	1,279.01	5.07	5.09	109.27	-162.01	109.68	200.38	189.37	11.01	18.196	
1,400.00	1,391.38	1,386.61	1,377.38	5.33	5.36	109.33	-168.96	121.91	211.54	200.01	11.53	18.347	
1,500.00	1,490.46	1,485.98	1,475.76	5.61	5.64	109.39	-175.91	134.15	222.70	210.63	12.06	18.459	
1,600.00	1,589.55	1,585.36	1,574.13	5.88	5.93	109.44	-182.86	146.38	233.86	221.24	12.61	18.539	
1,700.00	1,688.63	1,684.73	1,672.51	6.17	6.23	109.49	-189.81	158.62	245.02	231.84	13.18	18.594	
1,800.00	1,787.72	1,784.11	1,770.88	6.46	6.53	109.53	-196.76	170.85	256.18	242.43	13.75	18.630	
1,900.00	1,886.80	1,883.48	1,869.25	6.62	6.72	109.57	-203.71	183.08	267.34	253.64	13.70	19.510	
2,000.00	1,985.88	1,982.86	1,967.63	6.65	6.77	109.61	-210.66	195.32	278.50	264.72	13.78	20.207	
2,100.00	2,084.97	2,082.23	2,066.00	6.69	6.82	109.64	-217.61	207.55	289.66	275.79	13.87	20.887	
2,200.00	2,184.05	2,181.61	2,164.38	6.75	6.88	109.67	-224.56	219.79	300.82	286.84	13.98	21.515	
2,300.00	2,283.14	2,280.98	2,262.75	6.82	6.95	109.70	-231.51	232.02	311.98	297.86	14.12	22.089	
2,400.00	2,382.22	2,380.36	2,361.12	6.91	7.04	109.73	-238.46	244.26	323.14	308.85	14.29	22.607	
2,500.00	2,481.31	2,479.73	2,459.50	7.01	7.14	109.76	-245.41	256.49	334.30	319.81	14.49	23.072	
2,600.00	2,580.39	2,579.11	2,557.87	7.12	7.26	109.78	-252.36	268.73	345.46	330.75	14.71	23.485	
2,700.00	2,679.47	2,678.48	2,656.25	7.25	7.39	109.80	-259.31	280.96	356.63	341.67	14.95	23.847	
2,800.00	2,778.56	2,777.86	2,754.62	7.38	7.53	109.82	-266.26	293.19	367.79	352.56	15.22	24.161	
2,900.00	2,877.64	2,877.23	2,852.99	7.53	7.68	109.84	-273.21	305.43	378.95	363.44	15.51	24.430	
3,000.00	2,976.73	2,976.61	2,951.37	7.68	7.84	109.86	-280.16	317.66	390.11	374.29	15.82	24.657	
3,100.00	3,075.81	3,075.98	3,049.74	7.85	8.01	109.88	-287.11	329.90	401.27	385.12	16.15	24.846	
3,200.00	3,174.90	3,175.36	3,148.12	8.02	8.19	109.89	-294.06	342.13	412.43	395.93	16.50	25.001	
3,300.00	3,273.98	3,274.73	3,246.49	8.21	8.38	109.91	-301.01	354.37	423.59	406.73	16.86	25.124	
3,400.00	3,373.06	3,374.11	3,344.86	8.40	8.57	109.92	-307.96	366.60	434.75	417.51	17.24	25.219	
3,500.00	3,472.15	3,473.48	3,443.24	8.59	8.78	109.94	-314.91	378.84	445.91	428.28	17.63	25.289	
3,600.00	3,571.23	3,572.86	3,541.61	8.80	8.99	109.95	-321.87	391.07	457.08	439.04	18.04	25.336	
3,700.00	3,670.32	3,672.23	3,639.98	9.01	9.21	109.96	-328.82	403.30	468.24	449.78	18.46	25.364	
3,800.00	3,769.40	3,771.61	3,738.36	9.23	9.43	109.98	-335.77	415.54	479.40	460.51	18.89	25.375	
3,900.00	3,868.48	3,870.98	3,836.73	9.45	9.66	109.99	-342.72	427.77	490.56	471.22	19.34	25.370	
4,000.00	3,967.57	3,970.36	3,935.11	9.67	9.90	110.00	-349.67	440.01	501.72	481.93	19.79	25.353	
4,100.00	4,066.65	4,069.74	4,033.48	9.91	10.14	110.01	-356.62	452.24	512.88	492.63	20.25	25.324	
4,200.00	4,165.74	4,169.11	4,131.85	10.14	10.38	110.02	-363.57	464.48	524.04	503.32	20.72	25.286	
4,300.00	4,264.82	4,268.49	4,230.23	10.38	10.63	110.03	-370.52	476.71	535.21	514.00	21.20	25.240	
4,400.00	4,363.91	4,367.86	4,328.60	10.63	10.88	110.04	-377.47	488.95	546.37	524.67	21.69	25.187	
4,500.00	4,462.99	4,467.24	4,426.98	10.87	11.14	110.05	-384.42	501.18	557.53	535.34	22.19	25.127	
4,600.00	4,562.07	4,566.61	4,525.35	11.12	11.40	110.06	-391.37	513.41	568.69	546.00	22.69	25.063	
4,700.00	4,661.16	4,665.99	4,623.72	11.38	11.66	110.06	-398.32	525.65	579.85	556.65	23.20	24.995	
4,800.00	4,760.24	4,765.36	4,722.10	11.64	11.93	110.07	-405.27	537.88	591.01	567.30	23.71	24.924	
4,900.00	4,859.33	4,864.74	4,820.47	11.90	12.20	110.08	-412.22	550.12	602.17	577.94	24.23	24.850	
5,000.00	4,958.41	4,964.11	4,918.85	12.16	12.47	110.09	-419.17	562.35	613.34	588.58	24.76	24.774	
5,100.00	5,057.50	5,063.49	5,017.22	12.42	12.74	110.09	-426.12	574.59	624.50	599.21	25.29	24.697	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 31N-30C-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,162.86	5,115.59	12.69	13.02	110.10	-433.07	586.82	635.66	609.84	25.82	24.618	
5,300.00	5,255.66	5,262.24	5,213.97	12.96	13.30	110.11	-440.02	599.06	646.82	620.46	26.36	24.539	
5,400.00	5,354.75	5,361.61	5,312.34	13.23	13.58	110.11	-446.97	611.29	657.98	631.08	26.90	24.459	
5,500.00	5,453.83	5,460.99	5,410.72	13.50	13.86	110.12	-453.92	623.52	669.14	641.70	27.45	24.379	
5,600.00	5,552.92	5,560.36	5,509.09	13.78	14.15	110.13	-460.87	635.76	680.31	652.31	28.00	24.299	
5,700.00	5,652.00	5,659.74	5,607.46	14.05	14.43	110.13	-467.82	647.99	691.47	662.92	28.55	24.219	
5,800.00	5,751.09	5,759.11	5,705.84	14.33	14.72	110.14	-474.77	660.23	702.63	673.52	29.11	24.140	
5,900.00	5,850.17	5,858.49	5,804.21	14.61	15.01	110.14	-481.72	672.46	713.79	684.12	29.67	24.061	
6,000.00	5,949.25	5,957.86	5,902.59	14.89	15.30	110.15	-488.67	684.70	724.95	694.72	30.23	23.983	
6,100.00	6,048.34	6,057.24	6,000.96	15.18	15.59	110.15	-495.62	696.93	736.11	705.32	30.79	23.906	
6,200.00	6,147.42	6,156.61	6,099.33	15.46	15.88	110.16	-502.57	709.17	747.27	715.92	31.36	23.830	
6,300.00	6,246.51	6,255.99	6,197.71	15.74	16.18	110.16	-509.52	721.40	758.44	726.51	31.93	23.755	
6,400.00	6,345.70	6,355.35	6,296.07	16.01	16.47	122.40	-516.47	733.63	769.56	737.08	32.48	23.692	
6,500.00	6,445.51	6,453.78	6,393.51	16.18	16.77	-114.51	-523.35	745.75	780.30	747.39	32.91	23.710	
6,600.00	6,543.99	6,548.99	6,487.76	16.29	17.05	-98.86	-530.01	757.47	791.06	757.82	33.25	23.792	
6,700.00	6,638.74	6,642.40	6,580.42	16.35	17.28	-96.72	-536.55	766.94	803.04	769.56	33.47	23.990	
6,800.00	6,727.41	6,742.96	6,680.56	16.39	17.44	-96.89	-543.60	763.35	816.55	782.95	33.60	24.303	
6,900.00	6,807.81	6,852.13	6,787.16	16.41	17.55	-97.83	-551.06	741.64	831.16	797.49	33.67	24.688	
7,000.00	6,877.98	6,971.95	6,897.99	16.46	17.61	-99.13	-558.78	697.22	846.18	812.49	33.70	25.113	
7,100.00	6,936.18	7,104.49	7,008.50	16.57	17.64	-100.58	-566.43	624.88	860.68	826.94	33.74	25.508	
7,200.00	6,980.98	7,251.23	7,110.49	16.78	17.64	-102.01	-573.41	520.07	873.44	839.51	33.92	25.747	
7,300.00	7,011.28	7,411.93	7,191.53	17.11	17.70	-103.19	-578.86	381.90	883.09	848.65	34.44	25.642	
7,400.00	7,026.32	7,583.39	7,237.14	17.54	17.98	-103.89	-581.76	217.18	888.34	852.88	35.46	25.052	
7,500.00	7,028.24	7,720.77	7,242.99	18.08	18.51	-103.98	-581.91	80.07	888.98	852.28	36.70	24.225	
7,600.00	7,028.66	7,820.77	7,242.97	18.75	19.11	-103.95	-581.72	-19.93	888.88	850.91	37.96	23.414	
7,700.00	7,029.09	7,920.77	7,242.94	19.55	19.85	-103.92	-581.53	-119.93	888.77	849.31	39.47	22.520	
7,800.00	7,029.51	8,020.77	7,242.91	20.44	20.71	-103.89	-581.34	-219.93	888.67	847.49	41.18	21.581	
7,900.00	7,029.93	8,120.77	7,242.89	21.43	21.67	-103.87	-581.14	-319.93	888.57	845.49	43.08	20.627	
8,000.00	7,030.35	8,220.77	7,242.86	22.50	22.71	-103.84	-580.95	-419.93	888.46	843.33	45.14	19.684	
8,100.00	7,030.78	8,320.76	7,242.84	23.64	23.83	-103.81	-580.76	-519.92	888.36	841.02	47.34	18.767	
8,200.00	7,031.20	8,420.76	7,242.81	24.84	25.01	-103.78	-580.57	-619.92	888.26	838.60	49.66	17.887	
8,300.00	7,031.62	8,520.76	7,242.79	26.09	26.24	-103.75	-580.38	-719.92	888.16	836.07	52.09	17.052	
8,400.00	7,032.04	8,620.76	7,242.76	27.38	27.52	-103.73	-580.19	-819.92	888.05	833.45	54.60	16.263	
8,500.00	7,032.47	8,720.76	7,242.73	28.72	28.84	-103.70	-580.00	-919.92	887.95	830.75	57.20	15.523	
8,600.00	7,032.89	8,820.76	7,242.71	30.09	30.20	-103.67	-579.81	-1,019.92	887.85	827.98	59.87	14.830	
8,700.00	7,033.31	8,920.76	7,242.68	31.48	31.58	-103.64	-579.62	-1,119.92	887.75	825.15	62.60	14.182	
8,800.00	7,033.73	9,020.76	7,242.66	32.91	32.99	-103.61	-579.42	-1,219.92	887.65	822.27	65.37	13.578	
8,900.00	7,034.16	9,120.76	7,242.63	34.35	34.43	-103.59	-579.23	-1,319.92	887.55	819.35	68.20	13.014	
9,000.00	7,034.58	9,220.76	7,242.61	35.82	35.88	-103.56	-579.04	-1,419.91	887.45	816.38	71.07	12.488	
9,100.00	7,035.00	9,320.75	7,242.58	37.30	37.35	-103.53	-578.85	-1,519.91	887.35	813.38	73.97	11.997	
9,200.00	7,035.42	9,420.75	7,242.55	38.80	38.84	-103.50	-578.66	-1,619.91	887.25	810.35	76.90	11.538	
9,300.00	7,035.85	9,520.75	7,242.53	40.31	40.34	-103.47	-578.47	-1,719.91	887.15	807.28	79.86	11.108	
9,400.00	7,036.27	9,620.75	7,242.50	41.83	41.86	-103.44	-578.28	-1,819.91	887.05	804.20	82.85	10.707	
9,500.00	7,036.69	9,720.75	7,242.48	43.37	43.38	-103.42	-578.09	-1,919.91	886.95	801.09	85.86	10.330	
9,600.00	7,037.11	9,820.75	7,242.45	44.91	44.92	-103.39	-577.90	-2,019.91	886.85	797.96	88.89	9.977	
9,700.00	7,037.54	9,920.75	7,242.43	46.46	46.47	-103.36	-577.71	-2,119.91	886.75	794.81	91.94	9.645	
9,800.00	7,037.96	10,020.75	7,242.40	48.02	48.02	-103.33	-577.51	-2,219.90	886.65	791.64	95.01	9.333	
9,900.00	7,038.38	10,120.75	7,242.38	49.59	49.58	-103.30	-577.32	-2,319.90	886.55	788.46	98.09	9.038	
10,000.00	7,038.80	10,220.75	7,242.35	51.17	51.15	-103.27	-577.13	-2,419.90	886.45	785.27	101.18	8.761	
10,100.00	7,039.23	10,320.74	7,242.32	52.75	52.73	-103.25	-576.94	-2,519.90	886.35	782.06	104.29	8.499	
10,200.00	7,039.65	10,420.74	7,242.30	54.33	54.31	-103.22	-576.75	-2,619.90	886.26	778.85	107.41	8.251	
10,300.00	7,040.07	10,520.74	7,242.27	55.93	55.90	-103.19	-576.56	-2,719.90	886.16	775.62	110.54	8.017	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 31N-30C-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,040.49	10,620.74	7,242.25	57.52	57.49	-103.16	-576.37	-2,819.90	886.06	772.38	113.68	7.794	
10,500.00	7,040.92	10,720.74	7,242.22	59.12	59.08	-103.13	-576.18	-2,919.90	885.96	769.13	116.83	7.583	
10,600.00	7,041.34	10,820.74	7,242.20	60.73	60.68	-103.10	-575.99	-3,019.90	885.87	765.88	119.99	7.383	
10,700.00	7,041.76	10,920.74	7,242.17	62.33	62.28	-103.08	-575.79	-3,119.89	885.77	762.62	123.15	7.193	
10,800.00	7,042.18	11,020.74	7,242.14	63.94	63.89	-103.05	-575.60	-3,219.89	885.67	759.35	126.32	7.011	
10,900.00	7,042.61	11,120.74	7,242.12	65.56	65.50	-103.02	-575.41	-3,319.89	885.58	756.07	129.50	6.838	
11,000.00	7,043.03	11,220.74	7,242.09	67.17	67.11	-102.99	-575.22	-3,419.89	885.48	752.79	132.69	6.673	
11,100.00	7,043.45	11,320.73	7,242.07	68.79	68.73	-102.96	-575.03	-3,519.89	885.38	749.50	135.88	6.516	
11,200.00	7,043.87	11,420.73	7,242.04	70.41	70.35	-102.93	-574.84	-3,619.89	885.29	746.21	139.08	6.365	
11,300.00	7,044.30	11,520.73	7,242.02	72.04	71.97	-102.91	-574.65	-3,719.89	885.19	742.91	142.28	6.222	
11,400.00	7,044.72	11,620.73	7,241.99	73.67	73.59	-102.88	-574.46	-3,819.89	885.10	739.61	145.49	6.084	
11,500.00	7,045.14	11,720.73	7,241.96	75.29	75.22	-102.85	-574.27	-3,919.88	885.00	736.30	148.70	5.952	
11,600.00	7,045.56	11,820.73	7,241.94	76.92	76.85	-102.82	-574.08	-4,019.88	884.91	732.99	151.91	5.825	
11,700.00	7,045.99	11,920.73	7,241.91	78.56	78.48	-102.79	-573.88	-4,119.88	884.81	729.68	155.13	5.704	
11,800.00	7,046.41	12,020.73	7,241.89	80.19	80.11	-102.76	-573.69	-4,219.88	884.72	726.36	158.36	5.587	
11,900.00	7,046.83	12,120.73	7,241.86	81.82	81.74	-102.74	-573.50	-4,319.88	884.62	723.04	161.58	5.475	
12,000.00	7,047.25	12,220.73	7,241.84	83.46	83.37	-102.71	-573.31	-4,419.88	884.53	719.71	164.81	5.367	
12,100.00	7,047.68	12,320.72	7,241.81	85.10	85.01	-102.68	-573.12	-4,519.88	884.43	716.39	168.05	5.263	
12,200.00	7,048.10	12,420.72	7,241.78	86.74	86.65	-102.65	-572.93	-4,619.88	884.34	713.05	171.29	5.163	
12,300.00	7,048.52	12,520.72	7,241.76	88.38	88.28	-102.62	-572.74	-4,719.87	884.25	709.72	174.53	5.067	
12,400.00	7,048.94	12,620.72	7,241.73	90.02	89.92	-102.59	-572.55	-4,819.87	884.15	706.38	177.77	4.974	
12,500.00	7,049.37	12,720.72	7,241.71	91.66	91.56	-102.57	-572.36	-4,919.87	884.06	703.05	181.01	4.884	
12,600.00	7,049.79	12,820.72	7,241.68	93.31	93.21	-102.54	-572.16	-5,019.87	883.97	699.70	184.26	4.797	
12,700.00	7,050.21	12,920.72	7,241.66	94.95	94.85	-102.51	-571.97	-5,119.87	883.87	696.36	187.51	4.714	
12,800.00	7,050.63	13,020.72	7,241.63	96.60	96.49	-102.48	-571.78	-5,219.87	883.78	693.02	190.77	4.633	
12,900.00	7,051.06	13,120.72	7,241.60	98.24	98.14	-102.45	-571.59	-5,319.87	883.69	689.67	194.02	4.555	
13,000.00	7,051.48	13,220.72	7,241.58	99.89	99.78	-102.42	-571.40	-5,419.87	883.60	686.32	197.28	4.479	
13,100.00	7,051.90	13,320.71	7,241.55	101.54	101.43	-102.40	-571.21	-5,519.87	883.51	682.97	200.54	4.406	
13,200.00	7,052.32	13,420.71	7,241.53	103.19	103.08	-102.37	-571.02	-5,619.86	883.41	679.61	203.80	4.335	
13,300.00	7,052.75	13,520.71	7,241.50	104.84	104.72	-102.34	-570.83	-5,719.86	883.32	676.26	207.06	4.266	
13,400.00	7,053.17	13,620.71	7,241.48	106.49	106.37	-102.31	-570.64	-5,819.86	883.23	672.90	210.33	4.199	
13,500.00	7,053.59	13,720.71	7,241.45	108.14	108.02	-102.28	-570.45	-5,919.86	883.14	669.54	213.60	4.135	
13,600.00	7,054.01	13,820.71	7,241.42	109.79	109.67	-102.25	-570.25	-6,019.86	883.05	666.18	216.87	4.072	
13,700.00	7,054.44	13,920.71	7,241.40	111.44	111.32	-102.22	-570.06	-6,119.86	882.96	662.82	220.14	4.011	
13,800.00	7,054.86	14,020.71	7,241.37	113.09	112.98	-102.20	-569.87	-6,219.86	882.87	659.46	223.41	3.952	
13,900.00	7,055.28	14,120.71	7,241.35	114.75	114.63	-102.17	-569.68	-6,319.86	882.78	656.10	226.68	3.894	
14,000.00	7,055.70	14,220.71	7,241.32	116.40	116.28	-102.14	-569.49	-6,419.85	882.69	652.73	229.96	3.838	
14,100.00	7,056.13	14,320.70	7,241.30	118.06	117.93	-102.11	-569.30	-6,519.85	882.60	649.37	233.23	3.784	
14,200.00	7,056.55	14,420.70	7,241.27	119.71	119.59	-102.08	-569.11	-6,619.85	882.51	646.00	236.51	3.731	
14,300.00	7,056.97	14,520.70	7,241.24	121.37	121.24	-102.05	-568.92	-6,719.85	882.42	642.63	239.79	3.680	
14,400.00	7,057.39	14,620.70	7,241.22	123.02	122.90	-102.03	-568.73	-6,819.85	882.33	639.26	243.07	3.630	
14,500.00	7,057.82	14,720.70	7,241.19	124.68	124.55	-102.00	-568.54	-6,919.85	882.24	635.89	246.36	3.581	
14,600.00	7,058.24	14,820.70	7,241.17	126.33	126.21	-101.97	-568.34	-7,019.85	882.16	632.52	249.64	3.534	
14,700.00	7,058.66	14,920.70	7,241.14	127.99	127.86	-101.94	-568.15	-7,119.85	882.07	629.14	252.92	3.487	
14,800.00	7,059.08	15,020.70	7,241.12	129.65	129.52	-101.91	-567.96	-7,219.85	881.98	625.77	256.21	3.442	
14,900.00	7,059.51	15,120.70	7,241.09	131.31	131.18	-101.88	-567.77	-7,319.84	881.89	622.39	259.50	3.398	
15,000.00	7,059.93	15,220.70	7,241.06	132.96	132.83	-101.85	-567.58	-7,419.84	881.80	619.02	262.79	3.356	
15,100.00	7,060.35	15,320.69	7,241.04	134.62	134.49	-101.83	-567.39	-7,519.84	881.72	615.64	266.08	3.314	
15,200.00	7,060.77	15,420.69	7,241.01	136.28	136.15	-101.80	-567.20	-7,619.84	881.63	612.26	269.37	3.273	
15,253.82	7,061.00	15,474.52	7,241.00	137.17	137.04	-101.78	-567.09	-7,673.66	881.58	610.45	271.14	3.251	SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 32N-30B-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	179.64	-220.03	1.39	220.03				
100.00	100.00	100.00	100.00	3.28	3.28	179.64	-220.03	1.39	220.03	212.51	7.53	29.225	
200.00	200.00	200.00	200.00	3.31	3.31	179.64	-220.03	1.39	220.03	212.46	7.57	29.052	CC, ES
300.00	299.98	296.76	296.75	3.35	3.35	107.99	-220.37	1.56	220.93	213.28	7.66	28.852	SF
400.00	399.84	390.11	390.05	3.42	3.40	108.74	-223.10	2.92	225.50	217.72	7.77	29.016	
500.00	499.45	483.02	482.77	3.51	3.47	109.78	-228.51	5.62	234.14	226.21	7.93	29.532	
600.00	598.71	575.25	574.55	3.63	3.56	111.04	-236.54	9.62	246.91	238.77	8.13	30.360	
700.00	697.79	666.78	665.31	3.77	3.68	112.29	-247.11	14.90	263.05	254.68	8.38	31.403	
800.00	796.87	757.58	754.93	3.94	3.83	113.07	-260.17	21.40	281.96	273.30	8.66	32.557	
900.00	895.96	847.47	843.15	4.14	4.02	113.45	-275.59	29.09	303.51	294.53	8.98	33.795	
1,000.00	995.04	936.31	929.76	4.35	4.24	113.50	-293.25	37.90	327.61	318.28	9.34	35.094	
1,100.00	1,094.13	1,023.93	1,014.55	4.58	4.49	113.30	-313.02	47.76	354.22	344.51	9.72	36.446	
1,200.00	1,193.21	1,116.57	1,103.60	4.82	4.81	112.93	-335.84	59.14	382.78	372.61	10.17	37.640	
1,300.00	1,292.29	1,212.33	1,195.62	5.07	5.17	112.59	-359.58	70.97	411.50	400.83	10.67	38.567	
1,400.00	1,391.38	1,308.09	1,287.63	5.33	5.55	112.29	-383.32	82.81	440.23	429.03	11.20	39.314	
1,500.00	1,490.46	1,403.85	1,379.65	5.61	5.95	112.03	-407.06	94.64	468.97	457.23	11.74	39.930	
1,600.00	1,589.55	1,499.61	1,471.66	5.88	6.36	111.80	-430.79	106.48	497.72	485.41	12.31	40.420	
1,700.00	1,688.63	1,604.63	1,563.67	6.17	6.83	111.59	-454.53	118.31	526.47	513.54	12.93	40.719	
1,800.00	1,787.72	1,708.87	1,655.69	6.46	7.31	111.41	-478.27	130.15	555.23	541.68	13.56	40.953	
1,900.00	1,886.80	1,786.89	1,747.70	6.62	7.68	111.24	-502.00	141.98	584.00	570.23	13.77	42.406	
2,000.00	1,985.88	1,882.65	1,839.72	6.65	7.96	111.09	-525.74	153.81	612.77	598.94	13.83	44.311	
2,100.00	2,084.97	1,978.41	1,931.73	6.69	8.06	110.96	-549.48	165.65	641.54	627.61	13.93	46.047	
2,200.00	2,184.05	2,074.17	2,023.74	6.75	8.14	110.83	-573.21	177.48	670.32	656.28	14.04	47.748	
2,300.00	2,283.14	2,169.93	2,115.76	6.82	8.25	110.71	-596.95	189.32	699.09	684.92	14.18	49.310	
2,400.00	2,382.22	2,265.69	2,207.77	6.91	8.37	110.61	-620.69	201.15	727.88	713.53	14.35	50.731	
2,500.00	2,481.31	2,361.45	2,299.79	7.01	8.52	110.51	-644.43	212.99	756.66	742.11	14.55	52.011	
2,600.00	2,580.39	2,457.21	2,391.80	7.12	8.68	110.42	-668.16	224.82	785.44	770.67	14.78	53.152	
2,700.00	2,679.47	2,552.97	2,483.81	7.25	8.86	110.33	-691.90	236.66	814.23	799.20	15.03	54.159	
2,800.00	2,778.56	2,648.73	2,575.83	7.38	9.05	110.26	-715.64	248.49	843.02	827.70	15.32	55.039	
2,900.00	2,877.64	2,744.49	2,667.84	7.53	9.26	110.18	-739.37	260.33	871.81	856.18	15.62	55.799	
3,000.00	2,976.73	2,840.25	2,759.85	7.68	9.48	110.11	-763.11	272.16	900.60	884.64	15.95	56.447	
3,100.00	3,075.81	2,936.01	2,851.87	7.85	9.72	110.05	-786.85	284.00	929.39	913.08	16.31	56.994	
3,200.00	3,174.90	3,031.77	2,943.88	8.02	9.97	109.99	-810.58	295.83	958.18	941.50	16.68	57.448	
3,300.00	3,273.98	3,127.53	3,035.90	8.21	10.23	109.93	-834.32	307.67	986.98	969.91	17.07	57.818	
3,400.00	3,373.06	3,223.30	3,127.91	8.40	10.50	109.88	-858.06	319.50	1,015.77	998.29	17.48	58.113	
3,500.00	3,472.15	3,319.06	3,219.92	8.59	10.78	109.83	-881.79	331.34	1,044.57	1,026.66	17.90	58.342	
3,600.00	3,571.23	3,414.82	3,311.94	8.80	11.07	109.78	-905.53	343.17	1,073.36	1,055.02	18.34	58.512	
3,700.00	3,670.32	3,510.58	3,403.95	9.01	11.37	109.73	-929.27	355.01	1,102.16	1,083.36	18.80	58.630	
3,800.00	3,769.40	3,606.34	3,495.97	9.23	11.68	109.69	-953.01	366.84	1,130.96	1,111.69	19.27	58.702	
3,900.00	3,868.48	3,702.10	3,587.98	9.45	11.99	109.65	-976.74	378.68	1,159.75	1,140.01	19.75	58.736	
4,000.00	3,967.57	3,802.14	3,679.99	9.67	12.32	109.61	-1,000.48	390.51	1,188.55	1,168.30	20.25	58.699	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 32N-30C-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	179.60	-200.00	1.39	200.00				
100.00	100.00	100.00	100.00	3.28	3.28	179.60	-200.00	1.39	200.00	192.47	7.53	26.565	
200.00	200.00	200.00	200.00	3.31	3.31	179.60	-200.00	1.39	200.00	192.43	7.57	26.407	CC, ES
300.00	299.98	294.22	294.20	3.35	3.34	107.79	-201.34	2.16	201.97	194.31	7.65	26.390	SF
400.00	399.84	388.18	388.04	3.42	3.40	108.35	-205.37	4.45	207.87	200.10	7.77	26.759	
500.00	499.45	481.64	481.19	3.51	3.47	109.19	-212.02	8.24	217.74	209.81	7.93	27.470	
600.00	598.71	574.36	573.30	3.63	3.57	110.26	-221.23	13.48	231.60	223.46	8.13	28.472	
700.00	697.79	666.34	664.28	3.77	3.70	111.30	-232.91	20.13	248.71	240.32	8.38	29.665	
800.00	796.87	757.52	754.00	3.94	3.87	111.85	-247.00	28.15	268.48	259.81	8.68	30.949	
900.00	895.96	847.72	842.22	4.14	4.07	111.99	-263.36	37.46	290.83	281.82	9.01	32.295	
1,000.00	995.04	938.70	930.56	4.35	4.32	111.81	-282.23	48.20	315.61	306.23	9.38	33.648	
1,100.00	1,094.13	1,035.38	1,024.24	4.58	4.62	111.57	-303.01	60.03	341.13	331.31	9.82	34.722	
1,200.00	1,193.21	1,132.06	1,117.91	4.82	4.94	111.36	-323.80	71.86	366.65	356.35	10.30	35.589	
1,300.00	1,292.29	1,228.74	1,211.59	5.07	5.29	111.18	-344.58	83.69	392.18	381.37	10.81	36.285	
1,400.00	1,391.38	1,325.42	1,305.27	5.33	5.66	111.02	-365.36	95.52	417.71	406.37	11.34	36.836	
1,500.00	1,490.46	1,422.10	1,398.94	5.61	6.04	110.88	-386.14	107.35	443.24	431.36	11.89	37.290	
1,600.00	1,589.55	1,518.78	1,492.62	5.88	6.44	110.75	-406.92	119.18	468.78	456.32	12.45	37.640	
1,700.00	1,688.63	1,615.46	1,586.30	6.17	6.84	110.64	-427.70	131.01	494.32	481.28	13.04	37.918	
1,800.00	1,787.72	1,712.14	1,679.97	6.46	7.26	110.54	-448.49	142.84	519.85	506.22	13.63	38.137	
1,900.00	1,886.80	1,808.82	1,773.65	6.62	7.66	110.44	-469.27	154.67	545.39	531.51	13.89	39.278	
2,000.00	1,985.88	1,905.50	1,867.32	6.65	7.88	110.36	-490.05	166.50	570.93	557.03	13.91	41.049	
2,100.00	2,084.97	2,002.18	1,961.00	6.69	7.94	110.28	-510.83	178.33	596.48	582.49	13.99	42.650	
2,200.00	2,184.05	2,101.14	2,054.68	6.75	8.03	110.21	-531.61	190.16	622.02	607.92	14.10	44.130	
2,300.00	2,283.14	2,204.46	2,148.35	6.82	8.13	110.15	-552.39	201.99	647.56	633.32	14.24	45.472	
2,400.00	2,382.22	2,307.78	2,242.03	6.91	8.26	110.09	-573.17	213.82	673.11	658.69	14.42	46.682	
2,500.00	2,481.31	2,388.90	2,335.70	7.01	8.37	110.03	-593.96	225.65	698.65	684.05	14.60	47.844	
2,600.00	2,580.39	2,485.58	2,429.38	7.12	8.52	109.98	-614.74	237.48	724.20	709.37	14.83	48.835	
2,700.00	2,679.47	2,582.26	2,523.06	7.25	8.69	109.93	-635.52	249.31	749.75	734.66	15.08	49.709	
2,800.00	2,778.56	2,678.94	2,616.73	7.38	8.87	109.88	-656.30	261.14	775.29	759.93	15.36	50.471	
2,900.00	2,877.64	2,775.62	2,710.41	7.53	9.07	109.84	-677.08	272.97	800.84	785.18	15.66	51.129	
3,000.00	2,976.73	2,872.30	2,804.09	7.68	9.28	109.80	-697.86	284.80	826.39	810.40	15.99	51.690	
3,100.00	3,075.81	2,968.98	2,897.76	7.85	9.50	109.77	-718.65	296.62	851.93	835.60	16.33	52.162	
3,200.00	3,174.90	3,065.66	2,991.44	8.02	9.73	109.73	-739.43	308.45	877.48	860.79	16.70	52.553	
3,300.00	3,273.98	3,162.34	3,085.11	8.21	9.97	109.70	-760.21	320.28	903.03	885.95	17.08	52.870	
3,400.00	3,373.06	3,259.02	3,178.79	8.40	10.22	109.67	-780.99	332.11	928.58	911.10	17.48	53.121	
3,500.00	3,472.15	3,355.70	3,272.47	8.59	10.48	109.64	-801.77	343.94	954.13	936.23	17.90	53.314	
3,600.00	3,571.23	3,452.38	3,366.14	8.80	10.75	109.61	-822.55	355.77	979.68	961.35	18.33	53.455	
3,700.00	3,670.32	3,549.06	3,459.82	9.01	11.03	109.58	-843.33	367.60	1,005.23	986.46	18.77	53.550	
3,800.00	3,769.40	3,645.74	3,553.49	9.23	11.32	109.56	-864.12	379.43	1,030.78	1,011.55	19.23	53.605	
3,900.00	3,868.48	3,742.42	3,647.17	9.45	11.61	109.53	-884.90	391.26	1,056.33	1,036.63	19.70	53.626	
4,000.00	3,967.57	3,839.10	3,740.85	9.67	11.91	109.51	-905.68	403.09	1,081.88	1,061.70	20.18	53.616	
4,100.00	4,066.65	3,935.78	3,834.52	9.91	12.21	109.49	-926.46	414.92	1,107.43	1,086.76	20.67	53.580	
4,200.00	4,165.74	4,032.46	3,928.20	10.14	12.52	109.47	-947.24	426.75	1,132.98	1,111.81	21.17	53.522	
4,300.00	4,264.82	4,129.14	4,021.87	10.38	12.83	109.45	-968.02	438.58	1,158.53	1,136.85	21.68	53.445	
4,400.00	4,363.91	4,225.82	4,115.55	10.63	13.15	109.43	-988.81	450.41	1,184.08	1,161.89	22.19	53.352	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 40N-27B-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-143.50	-201.09	-148.78	250.14				
100.00	100.00	101.00	101.00	3.28	3.28	-143.50	-201.09	-148.78	250.14	242.62	7.53	33.224	
200.00	200.00	201.00	201.00	3.31	3.31	-143.50	-201.09	-148.78	250.14	242.57	7.57	33.026	CC, ES, SF
300.00	299.98	294.08	294.07	3.35	3.34	144.48	-202.63	-148.86	252.95	245.29	7.65	33.049	
400.00	399.84	386.81	386.68	3.42	3.40	144.45	-207.17	-149.08	261.28	253.51	7.77	33.620	
500.00	499.45	478.70	478.26	3.51	3.47	144.40	-214.62	-149.45	275.10	267.17	7.93	34.677	
600.00	598.71	569.36	568.34	3.63	3.56	144.35	-224.84	-149.96	294.31	286.16	8.14	36.136	
700.00	697.79	658.81	656.85	3.77	3.69	144.32	-237.71	-150.60	317.14	308.76	8.38	37.850	
800.00	796.87	747.09	743.77	3.94	3.84	144.03	-253.11	-151.37	342.47	333.83	8.65	39.595	
900.00	895.96	835.48	830.29	4.14	4.02	143.53	-271.16	-152.27	370.25	361.30	8.96	41.337	
1,000.00	995.04	931.21	923.78	4.35	4.26	142.98	-291.73	-153.29	398.94	389.61	9.33	42.752	
1,100.00	1,094.13	1,026.94	1,017.27	4.58	4.52	142.51	-312.29	-154.31	427.66	417.92	9.74	43.912	
1,200.00	1,193.21	1,122.67	1,110.76	4.82	4.81	142.09	-332.85	-155.34	456.40	446.23	10.18	44.853	
1,300.00	1,292.29	1,218.41	1,204.25	5.07	5.11	141.73	-353.42	-156.36	485.16	474.52	10.64	45.611	
1,400.00	1,391.38	1,314.14	1,297.74	5.33	5.43	141.40	-373.98	-157.39	513.94	502.82	11.12	46.216	
1,500.00	1,490.46	1,409.87	1,391.24	5.61	5.76	141.11	-394.55	-158.41	542.73	531.11	11.62	46.705	
1,600.00	1,589.55	1,505.60	1,484.73	5.88	6.10	140.85	-415.11	-159.43	571.53	559.39	12.14	47.088	
1,700.00	1,688.63	1,601.33	1,578.22	6.17	6.45	140.62	-435.67	-160.46	600.34	587.67	12.67	47.388	
1,800.00	1,787.72	1,702.94	1,671.71	6.46	6.83	140.40	-456.24	-161.48	629.16	615.93	13.23	47.558	
1,900.00	1,886.80	1,807.20	1,765.20	6.62	7.22	140.21	-476.80	-162.51	657.99	644.51	13.47	48.840	
2,000.00	1,985.88	1,888.53	1,858.69	6.65	7.39	140.03	-497.37	-163.53	686.82	673.36	13.46	51.042	
2,100.00	2,084.97	1,984.26	1,952.18	6.69	7.46	139.86	-517.93	-164.55	715.66	702.12	13.54	52.872	
2,200.00	2,184.05	2,079.99	2,045.68	6.75	7.53	139.71	-538.50	-165.58	744.50	730.88	13.63	54.629	
2,300.00	2,283.14	2,175.72	2,139.17	6.82	7.61	139.57	-559.06	-166.60	773.35	759.60	13.75	56.242	
2,400.00	2,382.22	2,271.45	2,232.66	6.91	7.71	139.44	-579.62	-167.63	802.21	788.30	13.90	57.707	
2,500.00	2,481.31	2,367.19	2,326.15	7.01	7.83	139.32	-600.19	-168.65	831.06	816.98	14.08	59.024	
2,600.00	2,580.39	2,462.92	2,419.64	7.12	7.96	139.20	-620.75	-169.67	859.92	845.64	14.29	60.195	
2,700.00	2,679.47	2,558.65	2,513.13	7.25	8.10	139.10	-641.32	-170.70	888.78	874.27	14.52	61.225	
2,800.00	2,778.56	2,654.38	2,606.62	7.38	8.26	139.00	-661.88	-171.72	917.65	902.88	14.77	62.121	
2,900.00	2,877.64	2,750.11	2,700.12	7.53	8.43	138.91	-682.44	-172.74	946.52	931.47	15.05	62.890	
3,000.00	2,976.73	2,845.85	2,793.61	7.68	8.62	138.82	-703.01	-173.77	975.38	960.03	15.35	63.541	
3,100.00	3,075.81	2,941.58	2,887.10	7.85	8.81	138.73	-723.57	-174.79	1,004.26	988.59	15.67	64.084	
3,200.00	3,174.90	3,037.31	2,980.59	8.02	9.02	138.66	-744.14	-175.82	1,033.13	1,017.12	16.01	64.527	
3,300.00	3,273.98	3,133.04	3,074.08	8.21	9.23	138.58	-764.70	-176.84	1,062.00	1,045.64	16.37	64.881	
3,400.00	3,373.06	3,228.77	3,167.57	8.40	9.46	138.51	-785.27	-177.86	1,090.88	1,074.14	16.74	65.154	
3,500.00	3,472.15	3,324.50	3,261.06	8.59	9.69	138.45	-805.83	-178.89	1,119.76	1,102.63	17.13	65.356	
3,600.00	3,571.23	3,420.24	3,354.55	8.80	9.94	138.38	-826.39	-179.91	1,148.64	1,131.10	17.54	65.494	
3,700.00	3,670.32	3,515.97	3,448.05	9.01	10.19	138.32	-846.96	-180.94	1,177.52	1,159.56	17.96	65.576	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 40N-27C-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-146.12	-221.13	-148.50	266.37				
100.00	100.00	101.00	101.00	3.28	3.28	-146.12	-221.13	-148.50	266.37	258.84	7.53	35.379	
200.00	200.00	201.00	201.00	3.31	3.31	-146.12	-221.13	-148.50	266.37	258.79	7.57	35.167	CC, ES
300.00	299.98	293.51	293.49	3.35	3.34	141.89	-222.66	-148.57	269.15	261.49	7.65	35.167	SF
400.00	399.84	385.67	385.54	3.42	3.40	141.92	-227.14	-148.76	277.41	269.64	7.77	35.701	
500.00	499.45	477.01	476.58	3.51	3.47	141.96	-234.50	-149.07	291.12	283.19	7.93	36.708	
600.00	598.71	567.14	566.14	3.63	3.56	142.03	-244.60	-149.50	310.19	302.05	8.14	38.105	
700.00	697.79	656.08	654.16	3.77	3.68	142.14	-257.33	-150.05	332.89	324.51	8.37	39.754	
800.00	796.87	743.88	740.62	3.94	3.83	141.99	-272.56	-150.70	358.12	349.48	8.64	41.438	
900.00	895.96	830.40	825.33	4.14	4.02	141.65	-290.15	-151.45	385.85	376.91	8.94	43.141	
1,000.00	995.04	915.51	908.10	4.35	4.23	141.16	-309.94	-152.30	416.04	406.77	9.27	44.861	
1,100.00	1,094.13	1,006.73	996.30	4.58	4.50	140.56	-333.17	-153.29	448.12	438.45	9.67	46.353	
1,200.00	1,193.21	1,101.29	1,087.70	4.82	4.80	140.01	-357.39	-154.33	480.36	470.25	10.11	47.519	
1,300.00	1,292.29	1,204.14	1,179.11	5.07	5.16	139.53	-381.60	-155.37	512.64	502.03	10.60	48.360	
1,400.00	1,391.38	1,309.58	1,270.52	5.33	5.55	139.10	-405.81	-156.40	544.94	533.81	11.13	48.979	
1,500.00	1,490.46	1,384.99	1,361.92	5.61	5.84	138.73	-430.03	-157.44	577.27	565.69	11.58	49.851	
1,600.00	1,589.55	1,479.55	1,453.33	5.88	6.22	138.39	-454.24	-158.48	609.62	597.51	12.11	50.341	
1,700.00	1,688.63	1,574.12	1,544.74	6.17	6.61	138.09	-478.46	-159.51	641.98	629.33	12.65	50.734	
1,800.00	1,787.72	1,668.69	1,636.15	6.46	7.00	137.81	-502.67	-160.55	674.36	661.15	13.21	51.048	
1,900.00	1,886.80	1,763.25	1,727.55	6.62	7.41	137.56	-526.88	-161.58	706.75	693.30	13.45	52.532	
2,000.00	1,985.88	1,857.82	1,818.96	6.65	7.71	137.34	-551.10	-162.62	739.16	725.63	13.53	54.637	
2,100.00	2,084.97	1,952.38	1,910.37	6.69	7.84	137.13	-575.31	-163.66	771.57	757.91	13.66	56.496	
2,200.00	2,184.05	2,046.95	2,001.78	6.75	7.91	136.94	-599.53	-164.69	803.99	790.24	13.75	58.481	
2,300.00	2,283.14	2,141.51	2,093.18	6.82	8.00	136.76	-623.74	-165.73	836.42	822.55	13.87	60.306	
2,400.00	2,382.22	2,236.08	2,184.59	6.91	8.11	136.60	-647.95	-166.76	868.86	854.83	14.02	61.967	
2,500.00	2,481.31	2,330.65	2,276.00	7.01	8.24	136.45	-672.17	-167.80	901.30	887.09	14.20	63.463	
2,600.00	2,580.39	2,425.21	2,367.40	7.12	8.38	136.31	-696.38	-168.84	933.74	919.33	14.41	64.795	
2,700.00	2,679.47	2,519.78	2,458.81	7.25	8.54	136.18	-720.60	-169.87	966.19	951.55	14.65	65.970	
2,800.00	2,778.56	2,614.34	2,550.22	7.38	8.71	136.05	-744.81	-170.91	998.65	983.74	14.91	66.994	
2,900.00	2,877.64	2,708.91	2,641.63	7.53	8.90	135.94	-769.02	-171.95	1,031.11	1,015.92	15.19	67.875	
3,000.00	2,976.73	2,803.47	2,733.03	7.68	9.10	135.83	-793.24	-172.98	1,063.57	1,048.07	15.50	68.625	
3,100.00	3,075.81	2,901.96	2,824.44	7.85	9.32	135.73	-817.45	-174.02	1,096.04	1,080.20	15.84	69.216	
3,200.00	3,174.90	2,992.61	2,915.85	8.02	9.54	135.63	-841.67	-175.05	1,128.51	1,112.33	16.18	69.760	
3,300.00	3,273.98	3,087.17	3,007.26	8.21	9.78	135.54	-865.88	-176.09	1,160.98	1,144.43	16.54	70.172	
3,400.00	3,373.06	3,181.74	3,098.66	8.40	10.02	135.45	-890.09	-177.13	1,193.45	1,176.52	16.93	70.494	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 41N-27B-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-124.05	-100.91	-149.34	180.23				
100.00	100.00	101.00	101.00	3.28	3.28	-124.05	-100.91	-149.34	180.23	172.70	7.53	23.939	
200.00	200.00	201.00	201.00	3.31	3.31	-124.05	-100.91	-149.34	180.23	172.66	7.57	23.795	CC, ES
300.00	299.98	296.90	296.89	3.35	3.34	163.69	-102.54	-149.54	183.04	175.38	7.66	23.909	
400.00	399.84	392.37	392.23	3.42	3.40	162.98	-107.32	-150.13	191.40	183.63	7.78	24.612	
500.00	499.45	508.66	490.96	3.51	3.49	162.20	-114.03	-150.97	204.31	196.35	7.96	25.652	
600.00	598.71	609.99	589.40	3.63	3.60	161.77	-120.72	-151.80	220.50	212.31	8.19	26.911	
700.00	697.79	688.47	687.63	3.77	3.70	161.59	-127.40	-152.63	237.96	229.55	8.42	28.268	
800.00	796.87	786.93	785.86	3.94	3.84	161.43	-134.08	-153.47	255.43	246.73	8.70	29.352	
900.00	895.96	885.39	884.09	4.14	4.00	161.29	-140.76	-154.30	272.89	263.88	9.02	30.256	
1,000.00	995.04	983.85	982.32	4.35	4.17	161.17	-147.44	-155.13	290.36	281.00	9.37	31.000	
1,100.00	1,094.13	1,082.31	1,080.55	4.58	4.35	161.06	-154.12	-155.96	307.83	298.09	9.74	31.608	
1,200.00	1,193.21	1,180.77	1,178.78	4.82	4.55	160.96	-160.80	-156.80	325.30	315.17	10.13	32.098	
1,300.00	1,292.29	1,279.23	1,277.01	5.07	4.76	160.88	-167.48	-157.63	342.77	332.22	10.55	32.489	
1,400.00	1,391.38	1,377.69	1,375.24	5.33	4.97	160.80	-174.16	-158.46	360.24	349.26	10.98	32.799	
1,500.00	1,490.46	1,476.16	1,473.48	5.61	5.20	160.73	-180.84	-159.29	377.71	366.28	11.43	33.041	
1,600.00	1,589.55	1,574.62	1,571.71	5.88	5.43	160.66	-187.52	-160.12	395.18	383.29	11.89	33.227	
1,700.00	1,688.63	1,673.08	1,669.94	6.17	5.66	160.60	-194.20	-160.96	412.66	400.29	12.37	33.367	
1,800.00	1,787.72	1,771.54	1,768.17	6.46	5.91	160.55	-200.88	-161.79	430.13	417.28	12.85	33.469	
1,900.00	1,886.80	1,870.00	1,866.40	6.62	6.07	160.50	-207.56	-162.62	447.60	434.84	12.76	35.073	
2,000.00	1,985.88	1,968.46	1,964.63	6.65	6.12	160.45	-214.23	-163.45	465.08	452.25	12.83	36.253	
2,100.00	2,084.97	2,066.92	2,062.86	6.69	6.15	160.41	-220.91	-164.28	482.55	469.66	12.89	37.447	
2,200.00	2,184.05	2,165.38	2,161.09	6.75	6.19	160.37	-227.59	-165.12	500.03	487.05	12.97	38.549	
2,300.00	2,283.14	2,263.84	2,259.32	6.82	6.24	160.33	-234.27	-165.95	517.50	504.42	13.08	39.556	
2,400.00	2,382.22	2,362.30	2,357.55	6.91	6.31	160.29	-240.95	-166.78	534.97	521.75	13.22	40.466	
2,500.00	2,481.31	2,460.76	2,455.78	7.01	6.38	160.26	-247.63	-167.61	552.45	539.07	13.38	41.281	
2,600.00	2,580.39	2,559.22	2,554.01	7.12	6.47	160.23	-254.31	-168.44	569.92	556.35	13.57	42.001	
2,700.00	2,679.47	2,657.69	2,652.24	7.25	6.58	160.20	-260.99	-169.28	587.40	573.62	13.78	42.629	
2,800.00	2,778.56	2,756.15	2,750.47	7.38	6.69	160.17	-267.67	-170.11	604.87	590.86	14.01	43.171	
2,900.00	2,877.64	2,854.61	2,848.70	7.53	6.81	160.15	-274.35	-170.94	622.35	608.09	14.26	43.631	
3,000.00	2,976.73	2,953.07	2,946.93	7.68	6.94	160.12	-281.03	-171.77	639.82	625.29	14.54	44.014	
3,100.00	3,075.81	3,051.53	3,045.16	7.85	7.09	160.10	-287.71	-172.60	657.30	642.47	14.83	44.328	
3,200.00	3,174.90	3,149.99	3,143.39	8.02	7.24	160.08	-294.39	-173.44	674.78	659.64	15.14	44.578	
3,300.00	3,273.98	3,248.45	3,241.62	8.21	7.39	160.06	-301.07	-174.27	692.25	676.79	15.46	44.770	
3,400.00	3,373.06	3,346.91	3,339.85	8.40	7.56	160.04	-307.75	-175.10	709.73	693.92	15.80	44.910	
3,500.00	3,472.15	3,445.37	3,438.09	8.59	7.73	160.02	-314.43	-175.93	727.20	711.04	16.16	45.005	
3,600.00	3,571.23	3,543.83	3,536.32	8.80	7.91	160.00	-321.11	-176.76	744.68	728.15	16.53	45.058	
3,700.00	3,670.32	3,642.29	3,634.55	9.01	8.10	159.98	-327.79	-177.60	762.16	745.25	16.91	45.076	
3,800.00	3,769.40	3,740.75	3,732.78	9.23	8.29	159.97	-334.47	-178.43	779.63	762.33	17.30	45.062	
3,900.00	3,868.48	3,839.22	3,831.01	9.45	8.49	159.95	-341.15	-179.26	797.11	779.40	17.71	45.021	
4,000.00	3,967.57	3,937.68	3,929.24	9.67	8.69	159.94	-347.82	-180.09	814.58	796.46	18.12	44.957	
4,100.00	4,066.65	4,036.14	4,027.47	9.91	8.90	159.92	-354.50	-180.92	832.06	813.52	18.54	44.873	
4,200.00	4,165.74	4,134.60	4,125.70	10.14	9.11	159.91	-361.18	-181.76	849.54	830.56	18.98	44.771	
4,300.00	4,264.82	4,233.06	4,223.93	10.38	9.32	159.90	-367.86	-182.59	867.01	847.60	19.42	44.656	
4,400.00	4,363.91	4,331.52	4,322.16	10.63	9.54	159.88	-374.54	-183.42	884.49	864.63	19.86	44.528	
4,500.00	4,462.99	4,429.98	4,420.39	10.87	9.76	159.87	-381.22	-184.25	901.97	881.65	20.32	44.390	
4,600.00	4,562.07	4,528.44	4,518.62	11.12	9.99	159.86	-387.90	-185.08	919.44	898.66	20.78	44.244	
4,700.00	4,661.16	4,626.90	4,616.85	11.38	10.22	159.85	-394.58	-185.92	936.92	915.67	21.25	44.092	
4,800.00	4,760.24	4,725.36	4,715.08	11.64	10.45	159.84	-401.26	-186.75	954.39	932.67	21.72	43.934	
4,900.00	4,859.33	4,823.82	4,813.31	11.90	10.68	159.83	-407.94	-187.58	971.87	949.67	22.20	43.773	
5,000.00	4,958.41	4,922.29	4,911.54	12.16	10.92	159.82	-414.62	-188.41	989.35	966.66	22.69	43.608	
5,100.00	5,057.50	5,020.75	5,009.77	12.42	11.16	159.81	-421.30	-189.24	1,006.82	983.65	23.18	43.442	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 41N-27B-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,119.21	5,108.00	12.69	11.40	159.80	-427.98	-190.08	1,024.30	1,000.63	23.67	43.274	
5,300.00	5,255.66	5,217.67	5,206.23	12.96	11.65	159.79	-434.66	-190.91	1,041.78	1,017.61	24.17	43.106	
5,400.00	5,354.75	5,316.13	5,304.46	13.23	11.89	159.78	-441.34	-191.74	1,059.25	1,034.58	24.67	42.937	
5,500.00	5,453.83	5,414.59	5,402.70	13.50	12.14	159.77	-448.02	-192.57	1,076.73	1,051.56	25.18	42.769	
5,600.00	5,552.92	5,513.05	5,500.93	13.78	12.39	159.76	-454.70	-193.40	1,094.21	1,068.52	25.68	42.602	
5,700.00	5,652.00	5,611.51	5,599.16	14.05	12.64	159.75	-461.38	-194.24	1,111.68	1,085.49	26.20	42.436	
5,800.00	5,751.09	5,709.97	5,697.39	14.33	12.89	159.75	-468.06	-195.07	1,129.16	1,102.45	26.71	42.271	
5,900.00	5,850.17	5,808.43	5,795.62	14.61	13.15	159.74	-474.74	-195.90	1,146.64	1,119.41	27.23	42.108	
6,000.00	5,949.25	5,906.89	5,893.85	14.89	13.40	159.73	-481.42	-196.73	1,164.12	1,136.36	27.75	41.947	
6,100.00	6,048.34	6,005.35	5,992.08	15.18	13.66	159.72	-488.09	-197.56	1,181.59	1,153.32	28.28	41.789	
6,200.00	6,147.42	6,103.82	6,090.31	15.46	13.91	159.72	-494.77	-198.40	1,199.07	1,170.27	28.80	41.632	
6,400.00	6,345.70	7,887.84	7,169.10	16.01	21.77	123.72	-563.17	774.15	1,156.98	1,123.99	32.99	35.068	
6,500.00	6,445.51	7,887.32	7,169.10	16.18	21.77	-120.96	-563.17	773.63	1,091.47	1,057.62	33.85	32.243	
6,600.00	6,543.99	7,871.19	7,169.10	16.29	21.59	-109.81	-563.25	757.50	1,032.32	997.75	34.58	29.855	
6,700.00	6,638.74	7,839.83	7,169.09	16.35	21.24	-109.28	-563.41	726.14	981.51	946.40	35.12	27.951	
6,800.00	6,727.41	7,805.98	7,169.07	16.39	20.86	-109.02	-563.64	680.33	940.26	904.73	35.53	26.465	
6,900.00	6,807.81	7,734.89	7,169.06	16.41	20.12	-108.01	-563.94	621.20	908.85	873.36	35.49	25.606	
7,000.00	6,877.98	7,663.89	7,169.03	16.46	19.43	-106.29	-564.30	550.20	886.65	851.29	35.36	25.075	
7,100.00	6,936.18	7,582.77	7,169.01	16.57	18.68	-104.19	-564.70	469.09	872.25	837.16	35.09	24.859	
7,200.00	6,980.98	7,460.19	7,162.91	16.78	17.71	-100.92	-564.91	346.79	862.80	828.19	34.62	24.923	
7,300.00	7,011.28	7,331.49	7,132.49	17.11	16.91	-97.16	-563.47	221.96	853.68	819.37	34.30	24.887	
7,400.00	7,026.32	7,219.55	7,086.13	17.54	16.51	-93.70	-560.84	120.27	845.61	811.36	34.25	24.690	
7,500.00	7,028.24	7,121.61	7,031.54	18.08	16.30	-90.15	-557.54	39.14	839.36	804.97	34.40	24.402	
7,599.49	7,028.66	7,042.63	6,978.88	18.75	16.14	-86.52	-554.25	-19.57	836.73	801.99	34.74	24.085	
7,600.00	7,028.66	7,042.27	6,978.63	18.75	16.14	-86.50	-554.24	-19.82	836.73	801.99	34.74	24.084	
7,700.00	7,029.09	6,979.05	6,931.48	19.55	16.02	-83.26	-551.25	-61.80	840.10	804.87	35.22	23.852	
7,800.00	7,029.51	6,928.41	6,890.87	20.44	15.91	-80.48	-548.64	-91.91	851.06	815.29	35.77	23.793	SF
7,900.00	7,029.93	6,887.43	6,856.34	21.43	15.83	-78.14	-546.40	-113.85	870.47	834.13	36.34	23.955	
8,000.00	7,030.35	6,850.00	6,823.63	22.50	15.75	-75.95	-544.27	-131.91	898.55	861.68	36.87	24.371	
8,100.00	7,030.78	6,825.96	6,802.08	23.64	15.70	-74.53	-542.86	-142.48	934.99	897.62	37.37	25.020	
8,200.00	7,031.20	6,800.00	6,778.39	24.84	15.64	-72.98	-541.30	-152.97	979.23	941.45	37.78	25.920	
8,300.00	7,031.62	6,782.59	6,762.27	26.09	15.60	-71.93	-540.24	-159.45	1,030.48	992.36	38.12	27.030	
8,400.00	7,032.04	6,765.48	6,746.26	27.38	15.57	-70.90	-539.18	-165.40	1,087.93	1,049.54	38.39	28.338	
8,500.00	7,032.47	6,750.00	6,731.64	28.72	15.53	-69.98	-538.22	-170.40	1,150.75	1,112.16	38.59	29.818	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 41N-27C-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-129.06	-120.95	-149.06	191.95				
100.00	100.00	101.00	101.00	3.28	3.28	-129.06	-120.95	-149.06	191.95	184.43	7.53	25.496	
200.00	200.00	201.00	201.00	3.31	3.31	-129.06	-120.95	-149.06	191.95	184.38	7.57	25.343	CC, ES, SF
300.00	299.98	296.37	296.35	3.35	3.34	158.76	-122.56	-149.22	194.78	187.13	7.66	25.445	
400.00	399.84	391.32	391.18	3.42	3.40	158.25	-127.30	-149.70	203.21	195.43	7.78	26.133	
500.00	499.45	487.15	486.69	3.51	3.48	157.52	-135.05	-150.48	217.07	209.12	7.94	27.323	
600.00	598.71	585.59	584.74	3.63	3.58	157.05	-143.67	-151.34	234.60	226.43	8.17	28.718	
700.00	697.79	683.81	682.58	3.77	3.70	156.86	-152.27	-152.21	253.37	244.95	8.42	30.096	
800.00	796.87	782.03	780.42	3.94	3.85	156.71	-160.87	-153.08	272.13	263.43	8.71	31.257	
900.00	895.96	880.25	878.26	4.14	4.01	156.57	-169.48	-153.94	290.90	281.87	9.03	32.221	
1,000.00	995.04	978.47	976.10	4.35	4.19	156.45	-178.08	-154.81	309.67	300.29	9.38	33.012	
1,100.00	1,094.13	1,076.69	1,073.94	4.58	4.39	156.34	-186.68	-155.68	328.44	318.68	9.76	33.653	
1,200.00	1,193.21	1,174.91	1,171.78	4.82	4.59	156.25	-195.28	-156.54	347.21	337.05	10.16	34.168	
1,300.00	1,292.29	1,273.13	1,269.62	5.07	4.81	156.16	-203.89	-157.41	365.98	355.40	10.58	34.576	
1,400.00	1,391.38	1,371.35	1,367.46	5.33	5.04	156.09	-212.49	-158.27	384.75	373.73	11.03	34.897	
1,500.00	1,490.46	1,469.57	1,465.30	5.61	5.27	156.02	-221.09	-159.14	403.53	392.04	11.48	35.146	
1,600.00	1,589.55	1,567.79	1,563.14	5.88	5.51	155.96	-229.69	-160.01	422.30	410.35	11.95	35.334	
1,700.00	1,688.63	1,666.02	1,660.98	6.17	5.76	155.90	-238.30	-160.87	441.07	428.64	12.43	35.475	
1,800.00	1,787.72	1,764.24	1,758.82	6.46	6.01	155.84	-246.90	-161.74	459.85	446.92	12.93	35.575	
1,900.00	1,886.80	1,862.46	1,856.66	6.62	6.19	155.79	-255.50	-162.61	478.62	465.77	12.85	37.242	
2,000.00	1,985.88	1,960.68	1,954.50	6.65	6.26	155.75	-264.10	-163.47	497.40	484.47	12.93	38.469	
2,100.00	2,084.97	2,058.90	2,052.34	6.69	6.29	155.71	-272.71	-164.34	516.17	503.18	12.99	39.738	
2,200.00	2,184.05	2,157.12	2,150.18	6.75	6.33	155.67	-281.31	-165.20	534.95	521.87	13.08	40.911	
2,300.00	2,283.14	2,255.34	2,248.02	6.82	6.39	155.63	-289.91	-166.07	553.73	540.54	13.19	41.982	
2,400.00	2,382.22	2,353.56	2,345.86	6.91	6.46	155.60	-298.51	-166.94	572.50	559.17	13.33	42.950	
2,500.00	2,481.31	2,451.78	2,443.70	7.01	6.54	155.57	-307.12	-167.80	591.28	577.78	13.49	43.816	
2,600.00	2,580.39	2,550.00	2,541.53	7.12	6.63	155.54	-315.72	-168.67	610.05	596.37	13.68	44.581	
2,700.00	2,679.47	2,648.22	2,639.37	7.25	6.74	155.51	-324.32	-169.54	628.83	614.93	13.90	45.250	
2,800.00	2,778.56	2,746.45	2,737.21	7.38	6.86	155.48	-332.92	-170.40	647.61	633.48	14.13	45.826	
2,900.00	2,877.64	2,844.67	2,835.05	7.53	6.98	155.46	-341.52	-171.27	666.38	652.00	14.39	46.315	
3,000.00	2,976.73	2,942.89	2,932.89	7.68	7.12	155.43	-350.13	-172.13	685.16	670.50	14.66	46.723	
3,100.00	3,075.81	3,041.11	3,030.73	7.85	7.27	155.41	-358.73	-173.00	703.94	688.98	14.96	47.057	
3,200.00	3,174.90	3,139.33	3,128.57	8.02	7.42	155.39	-367.33	-173.87	722.72	707.44	15.27	47.323	
3,300.00	3,273.98	3,237.55	3,226.41	8.21	7.59	155.37	-375.93	-174.73	741.49	725.89	15.60	47.528	
3,400.00	3,373.06	3,335.77	3,324.25	8.40	7.76	155.35	-384.54	-175.60	760.27	744.32	15.95	47.678	
3,500.00	3,472.15	3,433.99	3,422.09	8.59	7.94	155.33	-393.14	-176.47	779.05	762.74	16.31	47.778	
3,600.00	3,571.23	3,532.21	3,519.93	8.80	8.12	155.31	-401.74	-177.33	797.82	781.15	16.68	47.836	
3,700.00	3,670.32	3,630.43	3,617.77	9.01	8.32	155.30	-410.34	-178.20	816.60	799.54	17.06	47.856	
3,800.00	3,769.40	3,728.65	3,715.61	9.23	8.51	155.28	-418.95	-179.07	835.38	817.92	17.46	47.842	
3,900.00	3,868.48	3,826.88	3,813.45	9.45	8.72	155.27	-427.55	-179.93	854.16	836.29	17.87	47.800	
4,000.00	3,967.57	3,925.10	3,911.29	9.67	8.93	155.25	-436.15	-180.80	872.94	854.65	18.29	47.732	
4,100.00	4,066.65	4,023.32	4,009.13	9.91	9.14	155.24	-444.75	-181.66	891.71	873.00	18.72	47.644	
4,200.00	4,165.74	4,121.54	4,106.97	10.14	9.36	155.22	-453.36	-182.53	910.49	891.34	19.15	47.537	
4,300.00	4,264.82	4,219.76	4,204.81	10.38	9.58	155.21	-461.96	-183.40	929.27	909.67	19.60	47.416	
4,400.00	4,363.91	4,317.98	4,302.65	10.63	9.80	155.20	-470.56	-184.26	948.05	928.00	20.05	47.281	
4,500.00	4,462.99	4,416.20	4,400.49	10.87	10.03	155.19	-479.16	-185.13	966.82	946.31	20.51	47.136	
4,600.00	4,562.07	4,514.42	4,498.33	11.12	10.26	155.18	-487.77	-186.00	985.60	964.62	20.98	46.982	
4,700.00	4,661.16	4,612.64	4,596.17	11.38	10.50	155.17	-496.37	-186.86	1,004.38	982.93	21.45	46.822	
4,800.00	4,760.24	4,710.86	4,694.01	11.64	10.74	155.16	-504.97	-187.73	1,023.16	1,001.23	21.93	46.655	
4,900.00	4,859.33	4,809.08	4,791.85	11.90	10.98	155.15	-513.57	-188.59	1,041.94	1,019.52	22.41	46.485	
5,000.00	4,958.41	4,907.31	4,889.69	12.16	11.22	155.14	-522.18	-189.46	1,060.72	1,037.81	22.90	46.311	
5,100.00	5,057.50	5,005.53	4,987.53	12.42	11.47	155.13	-530.78	-190.33	1,079.49	1,056.10	23.40	46.135	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 41N-27C-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,103.75	5,085.37	12.69	11.72	155.12	-539.38	-191.19	1,098.27	1,074.37	23.90	45.958	
5,300.00	5,255.66	5,201.97	5,183.21	12.96	11.97	155.11	-547.98	-192.06	1,117.05	1,092.65	24.40	45.780	
5,400.00	5,354.75	5,300.19	5,281.05	13.23	12.22	155.10	-556.58	-192.93	1,135.83	1,110.92	24.91	45.602	
5,500.00	5,453.83	5,401.59	5,378.88	13.50	12.48	155.09	-565.19	-193.79	1,154.61	1,129.18	25.43	45.410	
5,600.00	5,552.92	5,503.37	5,476.72	13.78	12.75	155.08	-573.79	-194.66	1,173.38	1,147.44	25.95	45.218	
5,700.00	5,652.00	5,605.15	5,574.56	14.05	13.02	155.08	-582.39	-195.52	1,192.16	1,165.69	26.48	45.028	
6,700.00	6,638.74	7,901.22	7,234.48	16.35	21.53	-107.25	-742.20	705.75	1,168.18	1,132.77	35.41	32.993	
6,800.00	6,727.41	7,853.03	7,234.40	16.39	21.03	-107.29	-741.50	660.00	1,128.39	1,092.78	35.61	31.691	
6,900.00	6,807.81	7,806.06	7,234.30	16.41	20.55	-106.80	-740.60	600.92	1,097.05	1,061.35	35.71	30.724	
7,000.00	6,877.98	7,722.99	7,234.18	16.46	19.77	-105.75	-739.51	529.98	1,073.65	1,038.21	35.44	30.296	
7,100.00	6,936.18	7,641.91	7,234.04	16.57	19.07	-104.38	-738.27	448.91	1,057.10	1,021.92	35.18	30.049	
7,200.00	6,980.98	7,474.86	7,216.65	16.78	17.91	-100.60	-734.24	283.26	1,043.39	1,008.84	34.55	30.199	
7,300.00	7,011.28	7,324.81	7,165.20	17.11	17.32	-96.80	-727.58	142.84	1,028.05	993.76	34.28	29.985	
7,400.00	7,026.32	7,204.49	7,101.15	17.54	17.04	-93.64	-720.41	41.44	1,013.36	979.04	34.33	29.522	
7,500.00	7,028.24	7,105.30	7,034.81	18.08	16.84	-90.29	-713.45	-31.83	1,000.68	966.12	34.56	28.956	
7,600.00	7,028.66	7,030.06	6,977.36	18.75	16.68	-86.96	-707.67	-80.00	991.91	956.93	34.99	28.352	
7,688.02	7,029.03	6,979.18	6,935.47	19.45	16.57	-84.51	-703.55	-108.57	989.19	953.71	35.48	27.883	
7,700.00	7,029.09	6,973.13	6,930.34	19.55	16.56	-84.22	-703.05	-111.74	989.24	953.70	35.54	27.832	
7,800.00	7,029.51	6,929.19	6,892.24	20.44	16.46	-81.99	-699.36	-133.27	994.03	957.84	36.19	27.466	
7,900.00	7,029.93	6,894.57	6,861.21	21.43	16.39	-80.19	-696.40	-148.35	1,006.98	970.10	36.88	27.303	
8,000.00	7,030.35	6,866.73	6,835.70	22.50	16.33	-78.72	-693.99	-159.23	1,028.29	990.72	37.57	27.372	
8,100.00	7,030.78	6,850.00	6,820.15	23.64	16.29	-77.82	-692.53	-165.23	1,057.80	1,019.57	38.23	27.667	
8,200.00	7,031.20	6,824.98	6,796.62	24.84	16.23	-76.48	-690.34	-173.42	1,094.99	1,056.19	38.79	28.226	
8,300.00	7,031.62	6,800.00	6,772.82	26.09	16.17	-75.12	-688.13	-180.68	1,139.39	1,100.11	39.27	29.013	
8,400.00	7,032.04	6,800.00	6,772.82	27.38	16.17	-75.12	-688.13	-180.68	1,190.09	1,150.35	39.73	29.952	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4C-30-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	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	52.58	7.53	7.984	
200.00	200.00	200.00	200.00	3.31	3.31	179.47	-60.11	0.56	60.11	52.54	7.57	7.937	CC, ES
300.00	299.98	299.32	299.30	3.35	3.35	107.47	-60.65	2.19	61.19	53.53	7.66	7.990	
400.00	399.84	398.57	398.41	3.42	3.41	107.47	-62.26	7.09	64.43	56.65	7.78	8.277	
500.00	499.45	497.68	497.15	3.51	3.50	107.46	-64.94	15.24	69.82	61.86	7.96	8.771	
600.00	598.71	596.85	595.61	3.63	3.61	107.56	-68.63	26.47	77.30	69.10	8.20	9.432	
700.00	697.79	703.48	694.46	3.77	3.77	108.09	-72.60	38.53	85.44	76.95	8.50	10.057	
800.00	796.87	803.82	793.31	3.94	3.94	108.53	-76.56	50.60	93.59	84.76	8.83	10.594	
900.00	895.96	895.85	892.17	4.14	4.12	108.89	-80.53	62.66	101.75	92.55	9.20	11.061	
1,000.00	995.04	1,004.49	991.02	4.35	4.34	109.20	-84.49	74.72	109.91	100.28	9.63	11.411	
1,100.00	1,094.13	1,104.82	1,089.87	4.58	4.57	109.47	-88.46	86.79	118.07	107.99	10.08	11.714	
1,200.00	1,193.21	1,205.16	1,188.72	4.82	4.81	109.70	-92.43	98.85	126.24	115.68	10.55	11.961	
1,300.00	1,292.29	1,305.49	1,287.58	5.07	5.07	109.91	-96.39	110.91	134.40	123.35	11.05	12.161	
1,400.00	1,391.38	1,405.83	1,386.43	5.33	5.33	110.09	-100.36	122.98	142.57	131.00	11.57	12.324	
1,500.00	1,490.46	1,506.16	1,485.28	5.61	5.60	110.25	-104.32	135.04	150.74	138.63	12.10	12.455	
1,600.00	1,589.55	1,606.50	1,584.14	5.88	5.88	110.39	-108.29	147.10	158.91	146.26	12.65	12.561	
1,700.00	1,688.63	1,706.83	1,682.99	6.17	6.16	110.53	-112.26	159.17	167.08	153.87	13.21	12.646	
1,800.00	1,787.72	1,807.17	1,781.84	6.46	6.45	110.64	-116.22	171.23	175.25	161.47	13.77	12.722	
1,900.00	1,886.80	1,907.50	1,880.69	6.62	6.59	110.75	-120.19	183.29	183.42	169.73	13.69	13.395	
2,000.00	1,985.88	2,007.84	1,979.55	6.65	6.62	110.85	-124.16	195.36	191.59	177.84	13.75	13.932	
2,100.00	2,084.97	2,108.17	2,078.40	6.69	6.67	110.94	-128.12	207.42	199.77	185.93	13.84	14.434	
2,200.00	2,184.05	2,208.51	2,177.25	6.75	6.73	111.03	-132.09	219.48	207.94	193.98	13.96	14.899	
2,300.00	2,283.14	2,308.84	2,276.10	6.82	6.80	111.10	-136.05	231.54	216.11	202.01	14.10	15.325	
2,400.00	2,382.22	2,409.18	2,374.96	6.91	6.89	111.17	-140.02	243.61	224.29	210.02	14.27	15.714	
2,500.00	2,481.31	2,509.51	2,473.81	7.01	6.99	111.24	-143.99	255.67	232.46	217.99	14.47	16.064	
2,600.00	2,580.39	2,609.85	2,572.66	7.12	7.10	111.30	-147.95	267.73	240.64	225.94	14.69	16.377	
2,700.00	2,679.47	2,689.82	2,671.52	7.25	7.20	111.36	-151.92	279.80	248.81	233.90	14.91	16.683	
2,800.00	2,778.56	2,789.48	2,770.37	7.38	7.34	111.42	-155.88	291.86	256.99	241.81	15.18	16.929	
2,900.00	2,877.64	2,889.15	2,869.22	7.53	7.48	111.47	-159.85	303.92	265.17	249.70	15.47	17.143	
3,000.00	2,976.73	2,988.81	2,968.07	7.68	7.64	111.51	-163.82	315.99	273.34	257.57	15.78	17.327	
3,100.00	3,075.81	3,088.48	3,066.93	7.85	7.80	111.56	-167.78	328.05	281.52	265.42	16.10	17.483	
3,200.00	3,174.90	3,188.14	3,165.78	8.02	7.98	111.60	-171.75	340.11	289.69	273.25	16.45	17.614	
3,300.00	3,273.98	3,287.81	3,264.63	8.21	8.16	111.64	-175.72	352.18	297.87	281.06	16.81	17.723	
3,400.00	3,373.06	3,387.47	3,363.48	8.40	8.35	111.68	-179.68	364.24	306.05	288.86	17.18	17.810	
3,500.00	3,472.15	3,487.14	3,462.34	8.59	8.54	111.72	-183.65	376.30	314.22	296.65	17.58	17.879	
3,600.00	3,571.23	3,586.80	3,561.19	8.80	8.75	111.75	-187.61	388.37	322.40	304.42	17.98	17.931	
3,700.00	3,670.32	3,686.47	3,660.04	9.01	8.96	111.78	-191.58	400.43	330.58	312.18	18.40	17.969	
3,800.00	3,769.40	3,786.13	3,758.89	9.23	9.18	111.82	-195.55	412.49	338.75	319.93	18.83	17.993	
3,900.00	3,868.48	3,885.80	3,857.75	9.45	9.40	111.84	-199.51	424.55	346.93	327.66	19.27	18.007	
4,000.00	3,967.57	3,985.46	3,956.60	9.67	9.63	111.87	-203.48	436.62	355.11	335.39	19.72	18.010	
4,100.00	4,066.65	4,085.13	4,055.45	9.91	9.86	111.90	-207.44	448.68	363.29	343.11	20.18	18.005	
4,200.00	4,165.74	4,184.79	4,154.31	10.14	10.09	111.93	-211.41	460.74	371.46	350.82	20.65	17.992	
4,300.00	4,264.82	4,284.46	4,253.16	10.38	10.33	111.95	-215.38	472.81	379.64	358.52	21.12	17.973	
4,400.00	4,363.91	4,384.12	4,352.01	10.63	10.58	111.97	-219.34	484.87	387.82	366.21	21.61	17.948	
4,500.00	4,462.99	4,483.79	4,450.86	10.87	10.83	112.00	-223.31	496.93	396.00	373.90	22.10	17.918	
4,600.00	4,562.07	4,583.45	4,549.72	11.12	11.08	112.02	-227.28	509.00	404.17	381.58	22.60	17.885	
4,700.00	4,661.16	4,683.12	4,648.57	11.38	11.33	112.04	-231.24	521.06	412.35	389.25	23.10	17.848	
4,800.00	4,760.24	4,782.78	4,747.42	11.64	11.59	112.06	-235.21	533.12	420.53	396.91	23.61	17.808	
4,900.00	4,859.33	4,882.45	4,846.27	11.90	11.85	112.08	-239.17	545.19	428.71	404.58	24.13	17.766	
5,000.00	4,958.41	4,982.11	4,945.13	12.16	12.11	112.10	-243.14	557.25	436.88	412.23	24.65	17.722	
5,100.00	5,057.50	5,081.78	5,043.98	12.42	12.38	112.11	-247.11	569.31	445.06	419.88	25.18	17.677	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4C-30-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,181.44	5,142.83	12.69	12.65	112.13	-251.07	581.38	453.24	427.53	25.71	17.630	
5,300.00	5,255.66	5,281.11	5,241.69	12.96	12.92	112.15	-255.04	593.44	461.42	435.18	26.24	17.582	
5,400.00	5,354.75	5,380.77	5,340.54	13.23	13.19	112.16	-259.00	605.50	469.60	442.81	26.78	17.534	
5,500.00	5,453.83	5,480.44	5,439.39	13.50	13.46	112.18	-262.97	617.56	477.77	450.45	27.32	17.485	
5,600.00	5,552.92	5,580.10	5,538.24	13.78	13.74	112.20	-266.94	629.63	485.95	458.08	27.87	17.436	
5,700.00	5,652.00	5,679.77	5,637.10	14.05	14.01	112.21	-270.90	641.69	494.13	465.71	28.42	17.387	
5,800.00	5,751.09	5,779.43	5,735.95	14.33	14.29	112.22	-274.87	653.75	502.31	473.34	28.97	17.337	
5,900.00	5,850.17	5,879.10	5,834.80	14.61	14.57	112.24	-278.83	665.82	510.49	480.96	29.53	17.288	
6,000.00	5,949.25	5,978.76	5,933.65	14.89	14.85	112.25	-282.80	677.88	518.67	488.58	30.09	17.239	
6,100.00	6,048.34	6,078.43	6,032.51	15.18	15.14	112.26	-286.77	689.94	526.84	496.20	30.65	17.191	
6,200.00	6,147.42	6,178.09	6,131.36	15.46	15.42	112.28	-290.73	702.01	535.02	503.81	31.21	17.143	
6,300.00	6,246.51	6,277.76	6,230.21	15.74	15.71	112.29	-294.70	714.07	543.20	511.42	31.78	17.095	
6,400.00	6,345.70	6,377.41	6,329.05	16.01	15.99	124.40	-298.67	726.13	551.31	518.98	32.33	17.055	
6,500.00	6,445.51	6,476.17	6,427.00	16.18	16.28	-113.19	-302.60	738.08	558.64	525.89	32.76	17.054	
6,600.00	6,543.99	6,571.73	6,521.78	16.29	16.55	-98.64	-306.40	749.65	565.89	532.79	33.10	17.095	
6,700.00	6,638.74	6,661.73	6,611.06	16.35	16.81	-97.85	-309.98	760.54	575.04	541.69	33.35	17.242	
6,800.00	6,727.41	6,751.39	6,700.17	16.39	17.05	-99.80	-313.55	769.48	588.56	555.06	33.50	17.568	
6,900.00	6,807.81	6,853.51	6,802.03	16.41	17.20	-102.73	-317.60	765.73	606.57	573.01	33.56	18.076	
7,000.00	6,877.98	6,969.26	6,915.04	16.46	17.31	-106.02	-322.04	741.88	628.05	594.51	33.53	18.728	
7,100.00	6,936.18	7,103.86	7,038.46	16.57	17.37	-109.55	-326.83	689.01	651.36	617.93	33.44	19.480	
7,200.00	6,980.98	7,263.64	7,166.61	16.78	17.40	-113.13	-331.71	594.39	674.02	640.69	33.34	20.219	
7,300.00	7,011.28	7,453.70	7,282.68	17.11	17.49	-116.30	-335.97	444.86	692.60	659.06	33.54	20.652	
7,400.00	7,026.32	7,671.56	7,354.94	17.54	17.93	-118.24	-338.36	240.46	703.14	668.56	34.57	20.339	
7,500.00	7,028.24	7,831.79	7,364.07	18.08	18.61	-118.48	-338.34	80.75	704.30	668.35	35.95	19.592	
7,600.00	7,028.66	7,931.79	7,364.19	18.75	19.22	-118.46	-338.10	-19.25	704.12	666.98	37.14	18.957	
7,700.00	7,029.09	8,031.79	7,364.32	19.55	19.96	-118.44	-337.87	-119.25	703.95	665.40	38.55	18.260	
7,800.00	7,029.51	8,131.79	7,364.45	20.44	20.81	-118.42	-337.63	-219.25	703.77	663.63	40.15	17.530	
7,900.00	7,029.93	8,231.79	7,364.58	21.43	21.76	-118.40	-337.40	-319.25	703.60	661.69	41.91	16.787	
8,000.00	7,030.35	8,331.79	7,364.71	22.50	22.80	-118.38	-337.16	-419.25	703.43	659.60	43.82	16.051	
8,100.00	7,030.78	8,431.79	7,364.83	23.64	23.91	-118.36	-336.93	-519.25	703.25	657.38	45.87	15.333	
8,200.00	7,031.20	8,531.79	7,364.96	24.84	25.08	-118.34	-336.69	-619.25	703.08	655.06	48.02	14.641	
8,300.00	7,031.62	8,631.79	7,365.09	26.09	26.31	-118.32	-336.46	-719.25	702.90	652.63	50.27	13.982	
8,400.00	7,032.04	8,731.78	7,365.22	27.38	27.59	-118.30	-336.22	-819.25	702.73	650.12	52.61	13.357	
8,500.00	7,032.47	8,831.78	7,365.35	28.72	28.90	-118.28	-335.99	-919.25	702.55	647.53	55.02	12.768	
8,600.00	7,032.89	8,931.78	7,365.48	30.09	30.25	-118.26	-335.75	-1,019.25	702.38	644.88	57.50	12.215	
8,700.00	7,033.31	9,031.78	7,365.60	31.48	31.63	-118.24	-335.52	-1,119.24	702.21	642.17	60.04	11.696	
8,800.00	7,033.73	9,131.78	7,365.73	32.91	33.04	-118.22	-335.28	-1,219.24	702.03	639.41	62.62	11.211	
8,900.00	7,034.16	9,231.78	7,365.86	34.35	34.47	-118.20	-335.05	-1,319.24	701.86	636.61	65.25	10.756	
9,000.00	7,034.58	9,331.78	7,365.99	35.82	35.92	-118.18	-334.81	-1,419.24	701.68	633.76	67.92	10.331	
9,100.00	7,035.00	9,431.78	7,366.12	37.30	37.39	-118.16	-334.58	-1,519.24	701.51	630.89	70.62	9.933	
9,200.00	7,035.42	9,531.78	7,366.24	38.80	38.88	-118.14	-334.34	-1,619.24	701.34	627.98	73.36	9.560	
9,300.00	7,035.85	9,631.78	7,366.37	40.31	40.38	-118.13	-334.10	-1,719.24	701.16	625.04	76.12	9.211	
9,400.00	7,036.27	9,731.78	7,366.50	41.83	41.89	-118.11	-333.87	-1,819.24	700.99	622.08	78.91	8.884	
9,500.00	7,036.69	9,831.78	7,366.63	43.37	43.42	-118.09	-333.63	-1,919.24	700.82	619.10	81.72	8.576	
9,600.00	7,037.11	9,931.78	7,366.76	44.91	44.96	-118.07	-333.40	-2,019.24	700.64	616.09	84.55	8.287	
9,700.00	7,037.54	10,031.78	7,366.89	46.46	46.50	-118.05	-333.16	-2,119.24	700.47	613.07	87.40	8.015	
9,800.00	7,037.96	10,131.78	7,367.01	48.02	48.05	-118.03	-332.93	-2,219.24	700.30	610.03	90.26	7.758	
9,900.00	7,038.38	10,231.78	7,367.14	49.59	49.62	-118.01	-332.69	-2,319.24	700.12	606.98	93.14	7.517	
10,000.00	7,038.80	10,331.78	7,367.27	51.17	51.18	-117.99	-332.46	-2,419.23	699.95	603.91	96.04	7.288	
10,100.00	7,039.23	10,431.78	7,367.40	52.75	52.76	-117.97	-332.22	-2,519.23	699.78	600.83	98.94	7.072	
10,200.00	7,039.65	10,531.78	7,367.53	54.33	54.34	-117.95	-331.99	-2,619.23	699.60	597.74	101.86	6.868	
10,300.00	7,040.07	10,631.78	7,367.65	55.93	55.93	-117.93	-331.75	-2,719.23	699.43	594.64	104.79	6.674	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4C-30-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,040.49	10,731.78	7,367.78	57.52	57.52	-117.91	-331.52	-2,819.23	699.26	591.53	107.73	6.491	
10,500.00	7,040.92	10,831.78	7,367.91	59.12	59.11	-117.89	-331.28	-2,919.23	699.09	588.41	110.68	6.316	
10,600.00	7,041.34	10,931.78	7,368.04	60.73	60.71	-117.87	-331.05	-3,019.23	698.91	585.28	113.64	6.150	
10,700.00	7,041.76	11,031.77	7,368.17	62.33	62.31	-117.85	-330.81	-3,119.23	698.74	582.14	116.60	5.992	
10,800.00	7,042.18	11,131.77	7,368.30	63.94	63.92	-117.83	-330.58	-3,219.23	698.57	578.99	119.58	5.842	
10,900.00	7,042.61	11,231.77	7,368.42	65.56	65.53	-117.81	-330.34	-3,319.23	698.40	575.84	122.56	5.699	
11,000.00	7,043.03	11,331.77	7,368.55	67.17	67.14	-117.79	-330.11	-3,419.23	698.22	572.68	125.54	5.562	
11,100.00	7,043.45	11,431.77	7,368.68	68.79	68.76	-117.77	-329.87	-3,519.23	698.05	569.52	128.53	5.431	
11,200.00	7,043.87	11,531.77	7,368.81	70.41	70.38	-117.75	-329.64	-3,619.22	697.88	566.35	131.53	5.306	
11,300.00	7,044.30	11,631.77	7,368.94	72.04	72.00	-117.73	-329.40	-3,719.22	697.71	563.17	134.54	5.186	
11,400.00	7,044.72	11,731.77	7,369.06	73.67	73.62	-117.71	-329.17	-3,819.22	697.54	559.99	137.54	5.071	
11,500.00	7,045.14	11,831.77	7,369.19	75.29	75.25	-117.69	-328.93	-3,919.22	697.36	556.81	140.56	4.961	
11,600.00	7,045.56	11,931.77	7,369.32	76.92	76.87	-117.67	-328.70	-4,019.22	697.19	553.62	143.57	4.856	
11,700.00	7,045.99	12,031.77	7,369.45	78.56	78.50	-117.65	-328.46	-4,119.22	697.02	550.42	146.60	4.755	
11,800.00	7,046.41	12,131.77	7,369.58	80.19	80.13	-117.63	-328.23	-4,219.22	696.85	547.23	149.62	4.657	
11,900.00	7,046.83	12,231.77	7,369.70	81.82	81.77	-117.61	-327.99	-4,319.22	696.68	544.02	152.65	4.564	
12,000.00	7,047.25	12,331.77	7,369.83	83.46	83.40	-117.59	-327.76	-4,419.22	696.51	540.82	155.69	4.474	
12,100.00	7,047.68	12,431.77	7,369.96	85.10	85.04	-117.57	-327.52	-4,519.22	696.34	537.61	158.72	4.387	
12,200.00	7,048.10	12,531.77	7,370.09	86.74	86.67	-117.55	-327.29	-4,619.22	696.16	534.40	161.77	4.304	
12,300.00	7,048.52	12,631.77	7,370.22	88.38	88.31	-117.53	-327.05	-4,719.22	695.99	531.18	164.81	4.223	
12,400.00	7,048.94	12,731.77	7,370.35	90.02	89.95	-117.51	-326.81	-4,819.22	695.82	527.97	167.86	4.145	
12,500.00	7,049.37	12,831.77	7,370.47	91.66	91.59	-117.49	-326.58	-4,919.21	695.65	524.74	170.91	4.070	
12,600.00	7,049.79	12,931.77	7,370.60	93.31	93.23	-117.47	-326.34	-5,019.21	695.48	521.52	173.96	3.998	
12,700.00	7,050.21	13,031.77	7,370.73	94.95	94.88	-117.45	-326.11	-5,119.21	695.31	518.29	177.01	3.928	
12,800.00	7,050.63	13,131.77	7,370.86	96.60	96.52	-117.43	-325.87	-5,219.21	695.14	515.07	180.07	3.860	
12,900.00	7,051.06	13,231.77	7,370.99	98.24	98.16	-117.41	-325.64	-5,319.21	694.97	511.83	183.13	3.795	
13,000.00	7,051.48	13,331.76	7,371.11	99.89	99.81	-117.39	-325.40	-5,419.21	694.80	508.60	186.20	3.732	
13,100.00	7,051.90	13,431.76	7,371.24	101.54	101.46	-117.37	-325.17	-5,519.21	694.63	505.36	189.26	3.670	
13,200.00	7,052.32	13,531.76	7,371.37	103.19	103.10	-117.35	-324.93	-5,619.21	694.46	502.13	192.33	3.611	
13,300.00	7,052.75	13,631.76	7,371.50	104.84	104.75	-117.33	-324.70	-5,719.21	694.29	498.89	195.40	3.553	
13,400.00	7,053.17	13,731.76	7,371.63	106.49	106.40	-117.31	-324.46	-5,819.21	694.12	495.64	198.47	3.497	
13,500.00	7,053.59	13,831.76	7,371.76	108.14	108.05	-117.29	-324.23	-5,919.21	693.95	492.40	201.55	3.443	
13,600.00	7,054.01	13,931.76	7,371.88	109.79	109.70	-117.27	-323.99	-6,019.21	693.78	489.15	204.62	3.390	
13,700.00	7,054.44	14,031.76	7,372.01	111.44	111.35	-117.25	-323.76	-6,119.20	693.61	485.90	207.70	3.339	
13,800.00	7,054.86	14,131.76	7,372.14	113.09	113.00	-117.23	-323.52	-6,219.20	693.44	482.65	210.78	3.290	
13,900.00	7,055.28	14,231.76	7,372.27	114.75	114.65	-117.21	-323.29	-6,319.20	693.27	479.40	213.86	3.242	
14,000.00	7,055.70	14,331.76	7,372.40	116.40	116.31	-117.19	-323.05	-6,419.20	693.10	476.15	216.95	3.195	
14,100.00	7,056.13	14,431.76	7,372.52	118.06	117.96	-117.17	-322.82	-6,519.20	692.93	472.89	220.03	3.149	
14,200.00	7,056.55	14,531.76	7,372.65	119.71	119.61	-117.15	-322.58	-6,619.20	692.76	469.64	223.12	3.105	
14,300.00	7,056.97	14,631.76	7,372.78	121.37	121.27	-117.13	-322.35	-6,719.20	692.59	466.38	226.21	3.062	
14,400.00	7,057.39	14,731.76	7,372.91	123.02	122.92	-117.11	-322.11	-6,819.20	692.42	463.12	229.30	3.020	
14,500.00	7,057.82	14,831.76	7,373.04	124.68	124.58	-117.09	-321.88	-6,919.20	692.25	459.86	232.39	2.979	
14,600.00	7,058.24	14,931.76	7,373.17	126.33	126.23	-117.07	-321.64	-7,019.20	692.08	456.59	235.49	2.939	
14,700.00	7,058.66	15,031.76	7,373.29	127.99	127.89	-117.05	-321.41	-7,119.20	691.91	453.33	238.58	2.900	
14,800.00	7,059.08	15,131.76	7,373.42	129.65	129.55	-117.03	-321.17	-7,219.20	691.74	450.06	241.68	2.862	
14,900.00	7,059.51	15,231.76	7,373.55	131.31	131.20	-117.01	-320.94	-7,319.20	691.57	446.80	244.78	2.825	
15,000.00	7,059.93	15,331.76	7,373.68	132.96	132.86	-116.99	-320.70	-7,419.19	691.41	443.53	247.88	2.789	
15,100.00	7,060.35	15,431.76	7,373.81	134.62	134.52	-116.97	-320.47	-7,519.19	691.24	440.26	250.98	2.754	
15,200.00	7,060.77	15,531.76	7,373.93	136.28	136.18	-116.95	-320.23	-7,619.19	691.07	436.99	254.08	2.720	
15,253.82	7,061.00	15,585.58	7,374.00	137.17	137.07	-116.94	-320.10	-7,673.01	690.98	435.22	255.75	2.702	SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4N-30A-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	179.60	-80.14	0.56	80.14				
100.00	100.00	100.00	100.00	3.28	3.28	179.60	-80.14	0.56	80.14	72.61	7.53	10.645	
200.00	200.00	200.00	200.00	3.31	3.31	179.60	-80.14	0.56	80.14	72.57	7.57	10.581	CC, ES
300.00	299.98	299.02	299.00	3.35	3.35	107.61	-80.73	2.17	81.27	73.61	7.66	10.613	
400.00	399.84	397.97	397.81	3.42	3.41	107.63	-82.48	6.98	84.66	76.88	7.78	10.877	
500.00	499.45	496.77	496.24	3.51	3.50	107.66	-85.39	14.99	90.30	82.34	7.96	11.346	
600.00	598.71	604.59	594.15	3.63	3.62	107.70	-89.46	26.15	98.17	89.97	8.20	11.965	
700.00	697.79	695.02	692.84	3.77	3.76	107.76	-94.08	38.86	106.98	98.49	8.48	12.611	
800.00	796.87	794.63	791.53	3.94	3.93	107.81	-98.70	51.56	115.78	106.96	8.82	13.126	
900.00	895.96	905.76	890.22	4.14	4.15	107.85	-103.33	64.26	124.59	115.36	9.22	13.506	
1,000.00	995.04	1,006.15	988.91	4.35	4.37	107.89	-107.95	76.97	133.39	123.75	9.65	13.830	
1,100.00	1,094.13	1,106.53	1,087.60	4.58	4.60	107.92	-112.58	89.67	142.20	132.10	10.10	14.082	
1,200.00	1,193.21	1,206.92	1,186.29	4.82	4.85	107.95	-117.20	102.38	151.00	140.43	10.58	14.277	
1,300.00	1,292.29	1,307.31	1,284.98	5.07	5.11	107.97	-121.82	115.08	159.81	148.73	11.08	14.424	
1,400.00	1,391.38	1,407.70	1,383.67	5.33	5.38	108.00	-126.45	127.78	168.62	157.01	11.60	14.533	
1,500.00	1,490.46	1,508.09	1,482.36	5.61	5.66	108.02	-131.07	140.49	177.42	165.28	12.14	14.612	
1,600.00	1,589.55	1,608.48	1,581.05	5.88	5.95	108.03	-135.69	153.19	186.23	173.53	12.70	14.668	
1,700.00	1,688.63	1,708.87	1,679.74	6.17	6.24	108.05	-140.32	165.89	195.03	181.77	13.26	14.704	
1,800.00	1,787.72	1,809.25	1,778.43	6.46	6.53	108.07	-144.94	178.60	203.84	190.01	13.83	14.740	
1,900.00	1,886.80	1,909.64	1,877.12	6.62	6.68	108.08	-149.57	191.30	212.65	198.90	13.75	15.467	
2,000.00	1,985.88	1,989.97	1,975.81	6.65	6.70	108.09	-154.19	204.00	221.45	207.65	13.80	16.045	
2,100.00	2,084.97	2,089.58	2,074.50	6.69	6.75	108.11	-158.81	216.71	230.26	216.37	13.89	16.579	
2,200.00	2,184.05	2,189.19	2,173.19	6.75	6.81	108.12	-163.44	229.41	239.06	225.06	14.00	17.071	
2,300.00	2,283.14	2,288.80	2,271.88	6.82	6.88	108.13	-168.06	242.11	247.87	233.72	14.15	17.521	
2,400.00	2,382.22	2,388.41	2,370.57	6.91	6.97	108.14	-172.68	254.82	256.68	242.36	14.32	17.927	
2,500.00	2,481.31	2,488.03	2,469.26	7.01	7.07	108.15	-177.31	267.52	265.48	250.97	14.51	18.291	
2,600.00	2,580.39	2,587.64	2,567.95	7.12	7.18	108.15	-181.93	280.22	274.29	259.55	14.74	18.614	
2,700.00	2,679.47	2,687.25	2,666.64	7.25	7.31	108.16	-186.56	292.93	283.09	268.11	14.98	18.897	
2,800.00	2,778.56	2,786.86	2,765.33	7.38	7.44	108.17	-191.18	305.63	291.90	276.65	15.25	19.142	
2,900.00	2,877.64	2,886.47	2,864.02	7.53	7.59	108.18	-195.80	318.34	300.71	285.17	15.54	19.352	
3,000.00	2,976.73	2,986.08	2,962.71	7.68	7.75	108.18	-200.43	331.04	309.51	293.66	15.85	19.529	
3,100.00	3,075.81	3,085.70	3,061.40	7.85	7.92	108.19	-205.05	343.74	318.32	302.14	16.18	19.677	
3,200.00	3,174.90	3,185.31	3,160.09	8.02	8.10	108.20	-209.67	356.45	327.12	310.60	16.52	19.797	
3,300.00	3,273.98	3,284.92	3,258.78	8.21	8.28	108.20	-214.30	369.15	335.93	319.04	16.89	19.892	
3,400.00	3,373.06	3,384.53	3,357.47	8.40	8.48	108.21	-218.92	381.85	344.74	327.47	17.27	19.965	
3,500.00	3,472.15	3,484.14	3,456.16	8.59	8.68	108.21	-223.54	394.56	353.54	335.88	17.66	20.019	
3,600.00	3,571.23	3,583.75	3,554.85	8.80	8.89	108.22	-228.17	407.26	362.35	344.28	18.07	20.055	
3,700.00	3,670.32	3,683.36	3,653.54	9.01	9.10	108.22	-232.79	419.96	371.15	352.67	18.49	20.076	
3,800.00	3,769.40	3,782.98	3,752.23	9.23	9.32	108.23	-237.42	432.67	379.96	361.04	18.92	20.083	
3,900.00	3,868.48	3,882.59	3,850.92	9.45	9.55	108.23	-242.04	445.37	388.77	369.40	19.36	20.079	
4,000.00	3,967.57	3,982.20	3,949.61	9.67	9.78	108.23	-246.66	458.07	397.57	377.76	19.82	20.064	
4,100.00	4,066.65	4,081.81	4,048.30	9.91	10.02	108.24	-251.29	470.78	406.38	386.10	20.28	20.041	
4,200.00	4,165.74	4,181.42	4,146.99	10.14	10.26	108.24	-255.91	483.48	415.18	394.44	20.75	20.010	
4,300.00	4,264.82	4,281.03	4,245.68	10.38	10.50	108.24	-260.53	496.19	423.99	402.76	21.23	19.972	
4,400.00	4,363.91	4,380.65	4,344.37	10.63	10.75	108.25	-265.16	508.89	432.80	411.08	21.72	19.930	
4,500.00	4,462.99	4,480.26	4,443.06	10.87	11.00	108.25	-269.78	521.59	441.60	419.39	22.21	19.882	
4,600.00	4,562.07	4,579.87	4,541.75	11.12	11.26	108.25	-274.41	534.30	450.41	427.70	22.71	19.831	
4,700.00	4,661.16	4,679.48	4,640.44	11.38	11.52	108.26	-279.03	547.00	459.22	436.00	23.22	19.777	
4,800.00	4,760.24	4,779.09	4,739.13	11.64	11.78	108.26	-283.65	559.70	468.02	444.29	23.73	19.720	
4,900.00	4,859.33	4,878.70	4,837.82	11.90	12.05	108.26	-288.28	572.41	476.83	452.58	24.25	19.661	
5,000.00	4,958.41	4,978.31	4,936.51	12.16	12.31	108.27	-292.90	585.11	485.63	460.86	24.78	19.601	
5,100.00	5,057.50	5,077.93	5,035.20	12.42	12.58	108.27	-297.52	597.81	494.44	469.13	25.30	19.539	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4N-30A-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,177.54	5,133.89	12.69	12.86	108.27	-302.15	610.52	503.25	477.41	25.84	19.477	
5,300.00	5,255.66	5,277.15	5,232.58	12.96	13.13	108.27	-306.77	623.22	512.05	485.68	26.38	19.414	
5,400.00	5,354.75	5,376.76	5,331.27	13.23	13.41	108.27	-311.40	635.92	520.86	493.94	26.92	19.350	
5,500.00	5,453.83	5,476.37	5,429.96	13.50	13.68	108.28	-316.02	648.63	529.66	502.20	27.46	19.287	
5,600.00	5,552.92	5,575.98	5,528.65	13.78	13.96	108.28	-320.64	661.33	538.47	510.46	28.01	19.223	
5,700.00	5,652.00	5,675.59	5,627.34	14.05	14.25	108.28	-325.27	674.03	547.28	518.71	28.56	19.160	
5,800.00	5,751.09	5,775.21	5,726.03	14.33	14.53	108.28	-329.89	686.74	556.08	526.96	29.12	19.097	
5,900.00	5,850.17	5,874.82	5,824.72	14.61	14.81	108.29	-334.51	699.44	564.89	535.21	29.68	19.035	
6,000.00	5,949.25	5,974.43	5,923.41	14.89	15.10	108.29	-339.14	712.15	573.69	543.46	30.24	18.973	
6,100.00	6,048.34	6,074.04	6,022.10	15.18	15.39	108.29	-343.76	724.85	582.50	551.70	30.80	18.912	
6,200.00	6,147.42	6,173.65	6,120.79	15.46	15.68	108.29	-348.39	737.55	591.31	559.94	31.37	18.851	
6,300.00	6,246.51	6,273.26	6,219.48	15.74	15.97	108.29	-353.01	750.26	600.11	568.18	31.94	18.792	
6,400.00	6,345.70	6,372.86	6,318.15	16.01	16.26	120.43	-357.63	762.96	608.92	576.43	32.49	18.743	
6,500.00	6,445.51	6,471.96	6,416.82	16.18	16.46	-116.37	-362.24	769.78	617.75	584.90	32.84	18.808	
6,600.00	6,543.99	6,572.16	6,516.43	16.29	16.59	-99.64	-366.85	761.15	626.54	593.47	33.08	18.942	
6,700.00	6,638.74	6,673.62	6,614.67	16.35	16.67	-95.74	-371.35	736.60	635.08	601.87	33.21	19.123	
6,800.00	6,727.41	6,776.40	6,708.92	16.39	16.71	-94.03	-375.62	696.14	643.14	609.87	33.27	19.330	
6,900.00	6,807.81	6,880.47	6,796.49	16.41	16.73	-93.09	-379.55	640.26	650.51	617.21	33.31	19.531	
7,000.00	6,877.98	6,985.77	6,874.66	16.46	16.74	-92.51	-382.99	569.95	656.99	623.61	33.38	19.681	
7,100.00	6,936.18	7,092.20	6,940.82	16.57	16.78	-92.13	-385.85	486.79	662.38	628.81	33.58	19.727	
7,200.00	6,980.98	7,199.58	6,992.63	16.78	16.88	-91.90	-388.00	392.91	666.54	632.58	33.96	19.625	
7,300.00	7,011.28	7,307.69	7,028.14	17.11	17.10	-91.76	-389.38	290.95	669.34	634.74	34.60	19.346	
7,400.00	7,026.32	7,416.25	7,045.96	17.54	17.47	-91.71	-389.92	184.00	670.69	635.21	35.48	18.901	
7,500.00	7,028.24	7,520.32	7,048.00	18.08	17.97	-91.69	-389.74	79.97	670.77	634.19	36.58	18.339	
7,600.00	7,028.66	7,620.32	7,048.02	18.75	18.61	-91.65	-389.47	-20.03	670.68	632.78	37.90	17.695	
7,700.00	7,029.09	7,720.32	7,048.03	19.55	19.38	-91.62	-389.20	-120.02	670.60	631.13	39.47	16.990	
7,800.00	7,029.51	7,820.32	7,048.04	20.44	20.27	-91.58	-388.93	-220.02	670.52	629.26	41.26	16.253	
7,900.00	7,029.93	7,920.32	7,048.05	21.43	21.25	-91.55	-388.66	-320.02	670.43	627.20	43.23	15.509	
8,000.00	7,030.35	8,020.32	7,048.07	22.50	22.32	-91.51	-388.39	-420.02	670.35	624.99	45.36	14.777	
8,100.00	7,030.78	8,120.32	7,048.08	23.64	23.46	-91.48	-388.12	-520.02	670.26	622.63	47.64	14.069	
8,200.00	7,031.20	8,220.32	7,048.09	24.84	24.66	-91.44	-387.86	-620.02	670.18	620.14	50.04	13.394	
8,300.00	7,031.62	8,320.32	7,048.11	26.09	25.91	-91.41	-387.59	-720.02	670.10	617.56	52.54	12.754	
8,400.00	7,032.04	8,420.32	7,048.12	27.38	27.21	-91.37	-387.32	-820.02	670.02	614.88	55.13	12.153	
8,500.00	7,032.47	8,520.32	7,048.13	28.72	28.55	-91.34	-387.05	-920.01	669.93	612.13	57.80	11.590	
8,600.00	7,032.89	8,620.32	7,048.14	30.09	29.92	-91.30	-386.78	-1,020.01	669.85	609.31	60.54	11.064	
8,700.00	7,033.31	8,720.31	7,048.16	31.48	31.32	-91.27	-386.51	-1,120.01	669.77	606.43	63.34	10.574	
8,800.00	7,033.73	8,820.31	7,048.17	32.91	32.74	-91.24	-386.24	-1,220.01	669.69	603.50	66.19	10.118	
8,900.00	7,034.16	8,920.31	7,048.18	34.35	34.19	-91.20	-385.98	-1,320.01	669.61	600.52	69.08	9.693	
9,000.00	7,034.58	9,020.31	7,048.20	35.82	35.66	-91.17	-385.71	-1,420.01	669.52	597.51	72.02	9.297	
9,100.00	7,035.00	9,120.31	7,048.21	37.30	37.14	-91.13	-385.44	-1,520.01	669.44	594.46	74.98	8.928	
9,200.00	7,035.42	9,220.31	7,048.22	38.80	38.64	-91.10	-385.17	-1,620.01	669.36	591.38	77.98	8.584	
9,300.00	7,035.85	9,320.31	7,048.23	40.31	40.15	-91.06	-384.90	-1,720.00	669.28	588.28	81.01	8.262	
9,400.00	7,036.27	9,420.31	7,048.25	41.83	41.68	-91.03	-384.63	-1,820.00	669.20	585.15	84.06	7.961	
9,500.00	7,036.69	9,520.31	7,048.26	43.37	43.21	-90.99	-384.37	-1,920.00	669.12	581.99	87.13	7.680	
9,600.00	7,037.11	9,620.31	7,048.27	44.91	44.76	-90.96	-384.10	-2,020.00	669.04	578.82	90.22	7.416	
9,700.00	7,037.54	9,720.31	7,048.29	46.46	46.32	-90.92	-383.83	-2,120.00	668.96	575.64	93.33	7.168	
9,800.00	7,037.96	9,820.30	7,048.30	48.02	47.88	-90.89	-383.56	-2,220.00	668.88	572.43	96.45	6.935	
9,900.00	7,038.38	9,920.30	7,048.31	49.59	49.45	-90.85	-383.29	-2,320.00	668.80	569.21	99.59	6.716	
10,000.00	7,038.80	10,020.30	7,048.32	51.17	51.02	-90.82	-383.02	-2,420.00	668.73	565.98	102.74	6.509	
10,100.00	7,039.23	10,120.30	7,048.34	52.75	52.61	-90.78	-382.75	-2,519.99	668.65	562.74	105.91	6.314	
10,200.00	7,039.65	10,220.30	7,048.35	54.33	54.19	-90.75	-382.49	-2,619.99	668.57	559.49	109.08	6.129	
10,300.00	7,040.07	10,320.30	7,048.36	55.93	55.79	-90.71	-382.22	-2,719.99	668.49	556.23	112.27	5.955	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4N-30A-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,040.49	10,420.30	7,048.38	57.52	57.38	-90.68	-381.95	-2,819.99	668.41	552.95	115.46	5.789	
10,500.00	7,040.92	10,520.30	7,048.39	59.12	58.98	-90.64	-381.68	-2,919.99	668.34	549.67	118.66	5.632	
10,600.00	7,041.34	10,620.30	7,048.40	60.73	60.59	-90.61	-381.41	-3,019.99	668.26	546.39	121.87	5.483	
10,700.00	7,041.76	10,720.30	7,048.41	62.33	62.20	-90.57	-381.14	-3,119.99	668.18	543.09	125.09	5.342	
10,800.00	7,042.18	10,820.30	7,048.43	63.94	63.81	-90.54	-380.87	-3,219.99	668.10	539.80	128.31	5.207	
10,900.00	7,042.61	10,920.30	7,048.44	65.56	65.42	-90.50	-380.61	-3,319.98	668.03	536.49	131.54	5.079	
11,000.00	7,043.03	11,020.29	7,048.45	67.17	67.04	-90.47	-380.34	-3,419.98	667.95	533.18	134.77	4.956	
11,100.00	7,043.45	11,120.29	7,048.47	68.79	68.66	-90.43	-380.07	-3,519.98	667.88	529.86	138.01	4.839	
11,200.00	7,043.87	11,220.29	7,048.48	70.41	70.28	-90.40	-379.80	-3,619.98	667.80	526.54	141.26	4.728	
11,300.00	7,044.30	11,320.29	7,048.49	72.04	71.91	-90.36	-379.53	-3,719.98	667.72	523.22	144.51	4.621	
11,400.00	7,044.72	11,420.29	7,048.50	73.67	73.53	-90.32	-379.26	-3,819.98	667.65	519.89	147.76	4.518	
11,500.00	7,045.14	11,520.29	7,048.52	75.29	75.16	-90.29	-379.00	-3,919.98	667.57	516.56	151.02	4.421	
11,600.00	7,045.56	11,620.29	7,048.53	76.92	76.79	-90.25	-378.73	-4,019.98	667.50	513.22	154.28	4.327	
11,700.00	7,045.99	11,720.29	7,048.54	78.56	78.43	-90.22	-378.46	-4,119.97	667.43	509.88	157.54	4.236	
11,800.00	7,046.41	11,820.29	7,048.56	80.19	80.06	-90.18	-378.19	-4,219.97	667.35	506.54	160.81	4.150	
11,900.00	7,046.83	11,920.29	7,048.57	81.82	81.70	-90.15	-377.92	-4,319.97	667.28	503.20	164.08	4.067	
12,000.00	7,047.25	12,020.29	7,048.58	83.46	83.33	-90.11	-377.65	-4,419.97	667.20	499.85	167.35	3.987	
12,100.00	7,047.68	12,120.29	7,048.59	85.10	84.97	-90.08	-377.38	-4,519.97	667.13	496.50	170.63	3.910	
12,200.00	7,048.10	12,220.28	7,048.61	86.74	86.61	-90.04	-377.12	-4,619.97	667.06	493.15	173.91	3.836	
12,300.00	7,048.52	12,320.28	7,048.62	88.38	88.25	-90.01	-376.85	-4,719.97	666.98	489.80	177.19	3.764	
12,400.00	7,048.94	12,420.28	7,048.63	90.02	89.89	-89.97	-376.58	-4,819.97	666.91	486.44	180.47	3.695	
12,500.00	7,049.37	12,520.28	7,048.65	91.66	91.54	-89.94	-376.31	-4,919.97	666.84	483.08	183.76	3.629	
12,600.00	7,049.79	12,620.28	7,048.66	93.31	93.18	-89.90	-376.04	-5,019.96	666.77	479.72	187.04	3.565	
12,700.00	7,050.21	12,720.28	7,048.67	94.95	94.83	-89.87	-375.77	-5,119.96	666.69	476.36	190.33	3.503	
12,800.00	7,050.63	12,820.28	7,048.68	96.60	96.47	-89.83	-375.50	-5,219.96	666.62	473.00	193.62	3.443	
12,900.00	7,051.06	12,920.28	7,048.70	98.24	98.12	-89.80	-375.24	-5,319.96	666.55	469.64	196.92	3.385	
13,000.00	7,051.48	13,020.28	7,048.71	99.89	99.77	-89.76	-374.97	-5,419.96	666.48	466.27	200.21	3.329	
13,100.00	7,051.90	13,120.28	7,048.72	101.54	101.41	-89.73	-374.70	-5,519.96	666.41	462.90	203.50	3.275	
13,200.00	7,052.32	13,220.28	7,048.74	103.19	103.06	-89.69	-374.43	-5,619.96	666.34	459.54	206.80	3.222	
13,300.00	7,052.75	13,320.27	7,048.75	104.84	104.71	-89.66	-374.16	-5,719.96	666.27	456.17	210.10	3.171	
13,400.00	7,053.17	13,420.27	7,048.76	106.49	106.36	-89.62	-373.89	-5,819.95	666.20	452.80	213.40	3.122	
13,500.00	7,053.59	13,520.27	7,048.78	108.14	108.02	-89.59	-373.63	-5,919.95	666.13	449.43	216.70	3.074	
13,600.00	7,054.01	13,620.27	7,048.79	109.79	109.67	-89.55	-373.36	-6,019.95	666.06	446.06	220.00	3.028	
13,700.00	7,054.44	13,720.27	7,048.80	111.44	111.32	-89.52	-373.09	-6,119.95	665.99	442.68	223.30	2.982	
13,800.00	7,054.86	13,820.27	7,048.81	113.09	112.97	-89.48	-372.82	-6,219.95	665.92	439.31	226.61	2.939	
13,900.00	7,055.28	13,920.27	7,048.83	114.75	114.63	-89.44	-372.55	-6,319.95	665.85	435.94	229.91	2.896	
14,000.00	7,055.70	14,020.27	7,048.84	116.40	116.28	-89.41	-372.28	-6,419.95	665.78	432.56	233.22	2.855	
14,100.00	7,056.13	14,120.27	7,048.85	118.06	117.94	-89.37	-372.01	-6,519.95	665.71	429.19	236.52	2.815	
14,200.00	7,056.55	14,220.27	7,048.87	119.71	119.59	-89.34	-371.75	-6,619.94	665.64	425.81	239.83	2.775	
14,300.00	7,056.97	14,320.27	7,048.88	121.37	121.25	-89.30	-371.48	-6,719.94	665.58	422.44	243.14	2.737	
14,400.00	7,057.39	14,420.27	7,048.89	123.02	122.90	-89.27	-371.21	-6,819.94	665.51	419.06	246.45	2.700	
14,500.00	7,057.82	14,520.26	7,048.90	124.68	124.56	-89.23	-370.94	-6,919.94	665.44	415.68	249.76	2.664	
14,600.00	7,058.24	14,620.26	7,048.92	126.33	126.22	-89.20	-370.67	-7,019.94	665.37	412.30	253.07	2.629	
14,700.00	7,058.66	14,720.26	7,048.93	127.99	127.87	-89.16	-370.40	-7,119.94	665.31	408.93	256.38	2.595	
14,800.00	7,059.08	14,820.26	7,048.94	129.65	129.53	-89.13	-370.13	-7,219.94	665.24	405.55	259.69	2.562	
14,900.00	7,059.51	14,920.26	7,048.96	131.31	131.19	-89.09	-369.87	-7,319.94	665.17	402.17	263.00	2.529	
15,000.00	7,059.93	15,020.26	7,048.97	132.96	132.85	-89.06	-369.60	-7,419.93	665.11	398.79	266.32	2.497	
15,100.00	7,060.35	15,120.26	7,048.98	134.62	134.51	-89.02	-369.33	-7,519.93	665.04	395.41	269.63	2.466	
15,200.00	7,060.77	15,220.26	7,048.99	136.28	136.17	-88.98	-369.06	-7,619.93	664.98	392.03	272.94	2.436	
15,253.82	7,061.00	15,274.08	7,049.00	137.17	137.06	-88.97	-368.92	-7,673.75	664.94	390.21	274.73	2.420	SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4N-30B-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	179.60	-40.07	0.28	40.07				
100.00	100.00	100.00	100.00	3.28	3.28	179.60	-40.07	0.28	40.07	32.54	7.53	5.322	
200.00	200.00	200.00	200.00	3.31	3.31	179.60	-40.07	0.28	40.07	32.50	7.57	5.290	CC, ES
300.00	299.98	299.93	299.91	3.35	3.35	107.48	-40.14	2.02	40.69	33.03	7.66	5.312	
400.00	399.84	399.83	399.67	3.42	3.41	107.13	-40.37	7.24	42.53	34.75	7.79	5.462	
500.00	499.45	499.68	499.14	3.51	3.50	106.62	-40.75	15.92	45.61	37.65	7.97	5.725	
600.00	598.71	600.48	598.26	3.63	3.62	106.28	-41.27	27.81	49.90	41.69	8.21	6.080	
700.00	697.79	700.59	697.36	3.77	3.77	106.73	-41.82	40.35	54.61	46.11	8.50	6.425	
800.00	796.87	800.70	796.45	3.94	3.94	107.10	-42.37	52.89	59.32	50.48	8.84	6.710	
900.00	895.96	900.81	895.55	4.14	4.13	107.43	-42.91	65.43	64.04	54.82	9.22	6.944	
1,000.00	995.04	1,000.92	994.65	4.35	4.33	107.70	-43.46	77.98	68.76	59.12	9.64	7.132	
1,100.00	1,094.13	1,101.04	1,093.74	4.58	4.56	107.95	-44.01	90.52	73.48	63.39	10.09	7.283	
1,200.00	1,193.21	1,201.15	1,192.84	4.82	4.79	108.16	-44.56	103.06	78.20	67.64	10.57	7.402	
1,300.00	1,292.29	1,301.26	1,291.94	5.07	5.04	108.35	-45.10	115.60	82.92	71.86	11.06	7.495	
1,400.00	1,391.38	1,401.37	1,391.03	5.33	5.30	108.52	-45.65	128.14	87.65	76.06	11.58	7.568	
1,500.00	1,490.46	1,501.48	1,490.13	5.61	5.57	108.67	-46.20	140.69	92.37	80.25	12.12	7.624	
1,600.00	1,589.55	1,601.60	1,589.22	5.88	5.84	108.80	-46.75	153.23	97.09	84.43	12.67	7.666	
1,700.00	1,688.63	1,701.71	1,688.32	6.17	6.12	108.93	-47.29	165.77	101.82	88.59	13.23	7.698	
1,800.00	1,787.72	1,801.82	1,787.42	6.46	6.40	109.04	-47.84	178.31	106.54	92.75	13.80	7.722	
1,900.00	1,886.80	1,901.93	1,886.51	6.62	6.55	109.14	-48.39	190.85	111.27	97.55	13.72	8.108	
2,000.00	1,985.88	2,002.04	1,985.61	6.65	6.58	109.24	-48.94	203.40	115.99	102.21	13.78	8.417	
2,100.00	2,084.97	2,102.16	2,084.70	6.69	6.63	109.33	-49.48	215.94	120.72	106.85	13.87	8.704	
2,200.00	2,184.05	2,202.27	2,183.80	6.75	6.68	109.41	-50.03	228.48	125.45	111.46	13.98	8.970	
2,300.00	2,283.14	2,302.38	2,282.90	6.82	6.76	109.48	-50.58	241.02	130.17	116.05	14.13	9.214	
2,400.00	2,382.22	2,402.49	2,381.99	6.91	6.84	109.55	-51.13	253.56	134.90	120.60	14.30	9.434	
2,500.00	2,481.31	2,502.60	2,481.09	7.01	6.94	109.62	-51.67	266.11	139.63	125.13	14.50	9.632	
2,600.00	2,580.39	2,602.72	2,580.18	7.12	7.05	109.68	-52.22	278.65	144.36	129.64	14.72	9.808	
2,700.00	2,679.47	2,702.83	2,679.28	7.25	7.17	109.73	-52.77	291.19	149.08	134.12	14.96	9.963	
2,800.00	2,778.56	2,802.94	2,778.38	7.38	7.31	109.79	-53.32	303.73	153.81	138.58	15.23	10.099	
2,900.00	2,877.64	2,903.05	2,877.47	7.53	7.45	109.84	-53.87	316.27	158.54	143.02	15.52	10.215	
3,000.00	2,976.73	3,003.16	2,976.57	7.68	7.61	109.89	-54.41	328.82	163.27	147.44	15.83	10.314	
3,100.00	3,075.81	3,103.28	3,075.66	7.85	7.77	109.93	-54.96	341.36	167.99	151.83	16.16	10.397	
3,200.00	3,174.90	3,203.39	3,174.76	8.02	7.94	109.97	-55.51	353.90	172.72	156.22	16.50	10.465	
3,300.00	3,273.98	3,303.50	3,273.86	8.21	8.12	110.01	-56.06	366.44	177.45	160.58	16.87	10.520	
3,400.00	3,373.06	3,403.61	3,372.95	8.40	8.31	110.05	-56.60	378.98	182.18	164.93	17.25	10.564	
3,500.00	3,472.15	3,503.72	3,472.05	8.59	8.51	110.09	-57.15	391.53	186.91	169.27	17.64	10.596	
3,600.00	3,571.23	3,603.83	3,571.14	8.80	8.71	110.12	-57.70	404.07	191.63	173.59	18.05	10.620	
3,700.00	3,670.32	3,703.95	3,670.24	9.01	8.92	110.15	-58.25	416.61	196.36	177.90	18.46	10.635	
3,800.00	3,769.40	3,804.06	3,769.34	9.23	9.14	110.18	-58.79	429.15	201.09	182.19	18.90	10.642	
3,900.00	3,868.48	3,904.17	3,868.43	9.45	9.36	110.21	-59.34	441.69	205.82	186.48	19.34	10.644	
4,000.00	3,967.57	4,004.28	3,967.53	9.67	9.58	110.24	-59.89	454.24	210.55	190.76	19.79	10.640	
4,100.00	4,066.65	4,104.39	4,066.63	9.91	9.81	110.27	-60.44	466.78	215.28	195.02	20.25	10.631	
4,200.00	4,165.74	4,204.51	4,165.72	10.14	10.05	110.29	-60.98	479.32	220.00	199.28	20.72	10.617	
4,300.00	4,264.82	4,304.62	4,264.82	10.38	10.29	110.32	-61.53	491.86	224.73	203.53	21.20	10.601	
4,400.00	4,363.91	4,404.73	4,363.91	10.63	10.53	110.34	-62.08	504.40	229.46	207.78	21.69	10.581	
4,500.00	4,462.99	4,504.84	4,463.01	10.87	10.78	110.37	-62.63	516.94	234.19	212.01	22.18	10.559	
4,600.00	4,562.07	4,604.95	4,562.11	11.12	11.03	110.39	-63.17	529.49	238.92	216.24	22.68	10.535	
4,700.00	4,661.16	4,705.07	4,661.20	11.38	11.28	110.41	-63.72	542.03	243.65	220.46	23.19	10.508	
4,800.00	4,760.24	4,805.18	4,760.30	11.64	11.54	110.43	-64.27	554.57	248.38	224.68	23.70	10.481	
4,900.00	4,859.33	4,905.29	4,859.39	11.90	11.80	110.45	-64.82	567.11	253.10	228.89	24.22	10.452	
5,000.00	4,958.41	5,005.40	4,958.49	12.16	12.06	110.47	-65.36	579.65	257.83	233.10	24.74	10.422	
5,100.00	5,057.50	5,105.51	5,057.59	12.42	12.32	110.48	-65.91	592.20	262.56	237.30	25.27	10.392	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4N-30B-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,205.63	5,156.68	12.69	12.59	110.50	-66.46	604.74	267.29	241.49	25.80	10.361	
5,300.00	5,255.66	5,305.74	5,255.78	12.96	12.85	110.52	-67.01	617.28	272.02	245.69	26.33	10.330	
5,400.00	5,354.75	5,405.85	5,354.87	13.23	13.12	110.54	-67.55	629.82	276.75	249.88	26.87	10.298	
5,500.00	5,453.83	5,505.96	5,453.97	13.50	13.40	110.55	-68.10	642.36	281.48	254.06	27.42	10.266	
5,600.00	5,552.92	5,606.07	5,553.07	13.78	13.67	110.57	-68.65	654.91	286.21	258.24	27.97	10.234	
5,700.00	5,652.00	5,706.18	5,652.16	14.05	13.94	110.58	-69.20	667.45	290.94	262.42	28.52	10.203	
5,800.00	5,751.09	5,806.30	5,751.26	14.33	14.22	110.59	-69.75	679.99	295.67	266.60	29.07	10.171	
5,900.00	5,850.17	5,906.41	5,850.35	14.61	14.50	110.61	-70.29	692.53	300.39	270.77	29.63	10.139	
6,000.00	5,949.25	5,993.48	5,949.45	14.89	14.74	110.62	-70.84	705.07	305.12	274.97	30.15	10.120	
6,100.00	6,048.34	6,106.63	6,048.55	15.18	15.06	110.63	-71.39	717.62	309.85	279.10	30.75	10.077	
6,200.00	6,147.42	6,206.74	6,147.64	15.46	15.34	110.65	-71.94	730.16	314.58	283.27	31.31	10.047	
6,300.00	6,246.51	6,306.86	6,246.74	15.74	15.63	110.66	-72.48	742.70	319.31	287.43	31.88	10.016	
6,400.00	6,345.70	6,406.98	6,345.82	16.01	15.91	122.59	-73.03	755.24	324.00	291.57	32.43	9.990	
6,500.00	6,445.51	6,491.94	6,443.96	16.18	16.15	-116.21	-73.57	767.66	328.43	295.60	32.83	10.004	
6,600.00	6,543.99	6,588.97	6,540.71	16.29	16.35	-102.78	-74.34	773.61	334.00	300.88	33.12	10.085	
6,700.00	6,638.74	6,689.25	6,640.45	16.35	16.48	-102.05	-75.69	764.32	341.42	308.15	33.27	10.261	
6,800.00	6,727.41	6,793.33	6,741.08	16.39	16.56	-103.28	-77.67	738.26	350.41	317.09	33.33	10.514	
6,900.00	6,807.81	6,901.56	6,839.74	16.41	16.60	-104.96	-80.29	694.19	360.53	327.23	33.30	10.827	
7,000.00	6,877.98	7,014.15	6,932.92	16.46	16.63	-106.62	-83.55	631.33	371.22	337.97	33.25	11.164	
7,100.00	6,936.18	7,131.16	7,016.44	16.57	16.67	-108.05	-87.39	549.71	381.84	348.56	33.28	11.473	
7,200.00	6,980.98	7,252.36	7,085.70	16.78	16.79	-109.14	-91.74	450.56	391.72	358.20	33.51	11.689	
7,300.00	7,011.28	7,377.19	7,136.07	17.11	17.05	-109.82	-96.43	336.66	400.22	366.15	34.07	11.745	
7,400.00	7,026.32	7,504.73	7,163.60	17.54	17.48	-110.05	-101.27	212.44	406.84	371.83	35.01	11.620	
7,500.00	7,028.24	7,621.22	7,168.08	18.08	18.05	-109.91	-105.58	96.21	411.10	374.91	36.19	11.361	
7,600.00	7,028.66	7,721.14	7,168.26	18.75	18.67	-109.70	-109.24	-3.65	414.65	377.20	37.46	11.070	
7,700.00	7,029.09	7,821.07	7,168.44	19.55	19.42	-109.49	-112.91	-103.51	418.21	379.26	38.96	10.735	
7,800.00	7,029.51	7,920.99	7,168.61	20.44	20.28	-109.28	-116.57	-203.37	421.78	381.12	40.66	10.372	
7,900.00	7,029.93	8,020.92	7,168.79	21.43	21.23	-109.08	-120.24	-303.23	425.35	382.80	42.55	9.997	
8,000.00	7,030.35	8,120.84	7,168.97	22.50	22.27	-108.88	-123.91	-403.08	428.93	384.33	44.59	9.618	
8,100.00	7,030.78	8,220.77	7,169.15	23.64	23.39	-108.68	-127.57	-502.94	432.51	385.73	46.78	9.246	
8,200.00	7,031.20	8,320.69	7,169.33	24.84	24.56	-108.49	-131.24	-602.80	436.09	387.01	49.08	8.885	
8,300.00	7,031.62	8,420.62	7,169.51	26.09	25.79	-108.30	-134.91	-702.66	439.68	388.19	51.49	8.539	
8,400.00	7,032.04	8,520.54	7,169.69	27.38	27.07	-108.11	-138.57	-802.51	443.28	389.28	53.99	8.210	
8,500.00	7,032.47	8,620.47	7,169.87	28.72	28.39	-107.93	-142.24	-902.37	446.88	390.30	56.58	7.899	
8,600.00	7,032.89	8,720.39	7,170.05	30.09	29.74	-107.75	-145.90	-1,002.23	450.48	391.26	59.23	7.606	
8,700.00	7,033.31	8,820.32	7,170.23	31.48	31.13	-107.57	-149.57	-1,102.09	454.09	392.15	61.94	7.331	
8,800.00	7,033.73	8,920.24	7,170.41	32.91	32.54	-107.39	-153.24	-1,201.94	457.71	393.00	64.70	7.074	
8,900.00	7,034.16	9,020.17	7,170.59	34.35	33.97	-107.22	-156.90	-1,301.80	461.32	393.81	67.52	6.833	
9,000.00	7,034.58	9,120.09	7,170.76	35.82	35.43	-107.05	-160.57	-1,401.66	464.95	394.57	70.37	6.607	
9,100.00	7,035.00	9,220.02	7,170.94	37.30	36.90	-106.89	-164.23	-1,501.52	468.57	395.30	73.27	6.395	
9,200.00	7,035.42	9,319.94	7,171.12	38.80	38.39	-106.72	-167.90	-1,601.37	472.20	396.01	76.19	6.197	
9,300.00	7,035.85	9,419.87	7,171.30	40.31	39.89	-106.56	-171.57	-1,701.23	475.83	396.68	79.15	6.012	
9,400.00	7,036.27	9,519.79	7,171.48	41.83	41.40	-106.40	-175.23	-1,801.09	479.47	397.34	82.13	5.838	
9,500.00	7,036.69	9,624.09	7,171.67	43.37	43.00	-106.24	-178.93	-1,905.32	483.01	397.76	85.24	5.666	
9,600.00	7,037.11	9,735.77	7,171.87	44.91	44.72	-106.16	-180.07	-2,016.99	484.06	395.56	88.51	5.469	
9,700.00	7,037.54	9,835.77	7,172.05	46.46	46.27	-106.12	-180.28	-2,116.99	484.38	392.85	91.54	5.292	
9,800.00	7,037.96	9,935.77	7,172.23	48.02	47.83	-106.08	-180.49	-2,216.99	484.70	390.12	94.58	5.125	
9,900.00	7,038.38	10,035.77	7,172.41	49.59	49.40	-106.04	-180.70	-2,316.99	485.03	387.38	97.64	4.967	
10,000.00	7,038.80	10,135.77	7,172.59	51.17	50.97	-106.00	-180.91	-2,416.98	485.35	384.63	100.72	4.819	
10,100.00	7,039.23	10,235.77	7,172.76	52.75	52.55	-105.96	-181.12	-2,516.98	485.67	381.86	103.81	4.679	
10,200.00	7,039.65	10,335.76	7,172.94	54.33	54.13	-105.92	-181.33	-2,616.98	485.99	379.09	106.91	4.546	
10,300.00	7,040.07	10,435.76	7,173.12	55.93	55.72	-105.88	-181.54	-2,716.98	486.32	376.30	110.02	4.420	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4N-30B-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,040.49	10,535.76	7,173.30	57.52	57.32	-105.84	-181.75	-2,816.98	486.64	373.50	113.14	4.301	
10,500.00	7,040.92	10,635.76	7,173.48	59.12	58.92	-105.80	-181.96	-2,916.98	486.97	370.69	116.27	4.188	
10,600.00	7,041.34	10,735.76	7,173.66	60.73	60.52	-105.76	-182.17	-3,016.97	487.29	367.88	119.41	4.081	
10,700.00	7,041.76	10,835.76	7,173.84	62.33	62.13	-105.72	-182.38	-3,116.97	487.61	365.06	122.56	3.979	
10,800.00	7,042.18	10,935.76	7,174.02	63.94	63.73	-105.68	-182.59	-3,216.97	487.94	362.23	125.71	3.881	
10,900.00	7,042.61	11,035.76	7,174.20	65.56	65.35	-105.64	-182.80	-3,316.97	488.26	359.39	128.87	3.789	
11,000.00	7,043.03	11,135.76	7,174.38	67.17	66.96	-105.60	-183.01	-3,416.97	488.59	356.55	132.04	3.700	
11,100.00	7,043.45	11,235.75	7,174.56	68.79	68.58	-105.56	-183.22	-3,516.97	488.91	353.70	135.21	3.616	
11,200.00	7,043.87	11,335.75	7,174.74	70.41	70.20	-105.52	-183.43	-3,616.97	489.24	350.85	138.39	3.535	
11,300.00	7,044.30	11,435.75	7,174.91	72.04	71.83	-105.48	-183.64	-3,716.96	489.56	347.99	141.58	3.458	
11,400.00	7,044.72	11,535.75	7,175.09	73.67	73.45	-105.44	-183.85	-3,816.96	489.89	345.12	144.77	3.384	
11,500.00	7,045.14	11,635.75	7,175.27	75.29	75.08	-105.40	-184.06	-3,916.96	490.22	342.25	147.96	3.313	
11,600.00	7,045.56	11,735.75	7,175.45	76.92	76.71	-105.36	-184.27	-4,016.96	490.54	339.38	151.16	3.245	
11,700.00	7,045.99	11,835.75	7,175.63	78.56	78.34	-105.32	-184.48	-4,116.96	490.87	336.51	154.36	3.180	
11,800.00	7,046.41	11,935.75	7,175.81	80.19	79.97	-105.28	-184.69	-4,216.96	491.20	333.63	157.57	3.117	
11,900.00	7,046.83	12,035.75	7,175.99	81.82	81.60	-105.24	-184.90	-4,316.96	491.52	330.74	160.78	3.057	
12,000.00	7,047.25	12,135.74	7,176.17	83.46	83.24	-105.20	-185.11	-4,416.95	491.85	327.85	164.00	2.999	
12,100.00	7,047.68	12,235.74	7,176.35	85.10	84.88	-105.16	-185.32	-4,516.95	492.18	324.96	167.21	2.943	
12,200.00	7,048.10	12,335.74	7,176.53	86.74	86.52	-105.12	-185.53	-4,616.95	492.50	322.07	170.44	2.890	
12,300.00	7,048.52	12,435.74	7,176.71	88.38	88.15	-105.08	-185.73	-4,716.95	492.83	319.17	173.66	2.838	
12,400.00	7,048.94	12,535.74	7,176.89	90.02	89.80	-105.04	-185.94	-4,816.95	493.16	316.27	176.89	2.788	
12,500.00	7,049.37	12,635.74	7,177.07	91.66	91.44	-105.00	-186.15	-4,916.95	493.49	313.37	180.12	2.740	
12,600.00	7,049.79	12,735.74	7,177.24	93.31	93.08	-104.96	-186.36	-5,016.94	493.82	310.47	183.35	2.693	
12,700.00	7,050.21	12,835.74	7,177.42	94.95	94.72	-104.92	-186.57	-5,116.94	494.15	307.56	186.59	2.648	
12,800.00	7,050.63	12,935.74	7,177.60	96.60	96.37	-104.88	-186.78	-5,216.94	494.48	304.65	189.83	2.605	
12,900.00	7,051.06	13,035.73	7,177.78	98.24	98.02	-104.84	-186.99	-5,316.94	494.81	301.74	193.07	2.563	
13,000.00	7,051.48	13,135.73	7,177.96	99.89	99.66	-104.80	-187.20	-5,416.94	495.14	298.82	196.31	2.522	
13,100.00	7,051.90	13,235.73	7,178.14	101.54	101.31	-104.76	-187.41	-5,516.94	495.47	295.91	199.56	2.483	
13,200.00	7,052.32	13,335.73	7,178.32	103.19	102.96	-104.72	-187.62	-5,616.94	495.80	292.99	202.81	2.445	
13,300.00	7,052.75	13,435.73	7,178.50	104.84	104.61	-104.68	-187.83	-5,716.93	496.13	290.07	206.06	2.408	
13,400.00	7,053.17	13,535.73	7,178.68	106.49	106.26	-104.65	-188.04	-5,816.93	496.46	287.15	209.31	2.372	
13,500.00	7,053.59	13,635.73	7,178.86	108.14	107.91	-104.61	-188.25	-5,916.93	496.79	284.22	212.57	2.337	
13,600.00	7,054.01	13,735.73	7,179.04	109.79	109.56	-104.57	-188.46	-6,016.93	497.12	281.30	215.82	2.303	
13,700.00	7,054.44	13,835.73	7,179.22	111.44	111.21	-104.53	-188.67	-6,116.93	497.45	278.37	219.08	2.271	
13,800.00	7,054.86	13,935.72	7,179.39	113.09	112.86	-104.49	-188.88	-6,216.93	497.78	275.44	222.34	2.239	
13,900.00	7,055.28	14,035.72	7,179.57	114.75	114.51	-104.45	-189.09	-6,316.93	498.11	272.51	225.60	2.208	
14,000.00	7,055.70	14,135.72	7,179.75	116.40	116.17	-104.41	-189.30	-6,416.92	498.44	269.58	228.87	2.178	
14,100.00	7,056.13	14,235.72	7,179.93	118.06	117.82	-104.37	-189.51	-6,516.92	498.78	266.65	232.13	2.149	
14,200.00	7,056.55	14,335.72	7,180.11	119.71	119.47	-104.33	-189.72	-6,616.92	499.11	263.71	235.40	2.120	
14,300.00	7,056.97	14,435.72	7,180.29	121.37	121.13	-104.30	-189.93	-6,716.92	499.44	260.77	238.67	2.093	
14,400.00	7,057.39	14,535.72	7,180.47	123.02	122.78	-104.26	-190.14	-6,816.92	499.77	257.84	241.94	2.066	
14,500.00	7,057.82	14,635.72	7,180.65	124.68	124.44	-104.22	-190.35	-6,916.92	500.11	254.90	245.21	2.040	
14,600.00	7,058.24	14,735.72	7,180.83	126.33	126.10	-104.18	-190.56	-7,016.91	500.44	251.96	248.48	2.014	
14,700.00	7,058.66	14,835.71	7,181.01	127.99	127.75	-104.14	-190.77	-7,116.91	500.77	249.02	251.76	1.989	
14,800.00	7,059.08	14,935.71	7,181.19	129.65	129.41	-104.10	-190.98	-7,216.91	501.11	246.08	255.03	1.965	
14,900.00	7,059.51	15,035.71	7,181.37	131.31	131.07	-104.07	-191.19	-7,316.91	501.44	243.13	258.31	1.941	
15,000.00	7,059.93	15,135.71	7,181.54	132.96	132.72	-104.03	-191.40	-7,416.91	501.78	240.19	261.59	1.918	
15,100.00	7,060.35	15,235.71	7,181.72	134.62	134.38	-103.99	-191.61	-7,516.91	502.11	237.24	264.87	1.896	
15,200.00	7,060.77	15,335.71	7,181.90	136.28	136.04	-103.95	-191.82	-7,616.91	502.45	234.30	268.15	1.874	
15,253.82	7,061.00	15,389.53	7,182.00	137.17	136.93	-103.93	-191.93	-7,670.73	502.63	232.71	269.91	1.862	SF

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4N-30C-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	179.20	-20.04	0.28	20.04				
100.00	100.00	100.00	100.00	3.28	3.28	179.20	-20.04	0.28	20.04	12.51	7.53	2.662	
200.00	200.00	200.00	200.00	3.31	3.31	179.20	-20.04	0.28	20.04	12.47	7.57	2.646	CC, ES
300.00	299.98	300.12	300.10	3.35	3.35	107.04	-19.72	2.00	20.26	12.60	7.66	2.645	
400.00	399.84	400.23	400.07	3.42	3.42	106.59	-18.75	7.15	20.92	13.13	7.79	2.686	
500.00	499.45	500.34	499.79	3.51	3.51	105.89	-17.15	15.74	22.01	14.04	7.97	2.762	
600.00	598.71	600.40	599.13	3.63	3.63	105.58	-14.95	27.49	23.58	15.37	8.21	2.873	
700.00	697.79	700.38	698.32	3.77	3.77	106.79	-12.63	39.87	25.42	16.92	8.50	2.990	
800.00	796.87	800.36	797.50	3.94	3.94	107.84	-10.31	52.26	27.27	18.43	8.84	3.084	
900.00	895.96	900.35	896.68	4.14	4.13	108.76	-7.99	64.64	29.13	19.91	9.22	3.158	
1,000.00	995.04	1,000.33	995.87	4.35	4.33	109.56	-5.68	77.03	31.00	21.36	9.64	3.215	
1,100.00	1,094.13	1,100.31	1,095.05	4.58	4.56	110.28	-3.36	89.41	32.87	22.78	10.09	3.258	
1,200.00	1,193.21	1,200.29	1,194.24	4.82	4.79	110.92	-1.04	101.80	34.74	24.18	10.56	3.290	
1,300.00	1,292.29	1,300.27	1,293.42	5.07	5.04	111.49	1.28	114.18	36.62	25.57	11.05	3.313	
1,400.00	1,391.38	1,400.25	1,392.61	5.33	5.29	112.00	3.59	126.57	38.50	26.94	11.57	3.328	
1,500.00	1,490.46	1,500.24	1,491.79	5.61	5.56	112.47	5.91	138.95	40.39	28.29	12.10	3.338	
1,600.00	1,589.55	1,600.22	1,590.98	5.88	5.83	112.90	8.23	151.34	42.28	29.63	12.64	3.344	
1,700.00	1,688.63	1,700.20	1,690.16	6.17	6.11	113.29	10.55	163.72	44.17	30.97	13.20	3.346	
1,800.00	1,787.72	1,800.18	1,789.35	6.46	6.39	113.64	12.87	176.11	46.06	32.29	13.77	3.345	
1,900.00	1,886.80	1,900.16	1,888.53	6.62	6.54	113.97	15.18	188.50	47.95	34.26	13.69	3.503	
2,000.00	1,985.88	2,000.14	1,987.71	6.65	6.57	114.28	17.50	200.88	49.85	36.10	13.74	3.627	
2,100.00	2,084.97	2,100.13	2,086.90	6.69	6.61	114.56	19.82	213.27	51.74	37.92	13.83	3.742	
2,200.00	2,184.05	2,200.11	2,186.08	6.75	6.67	114.82	22.14	225.65	53.64	39.70	13.94	3.848	
2,300.00	2,283.14	2,300.09	2,285.27	6.82	6.74	115.07	24.45	238.04	55.54	41.46	14.08	3.945	
2,400.00	2,382.22	2,400.07	2,384.45	6.91	6.83	115.29	26.77	250.42	57.44	43.19	14.24	4.032	
2,500.00	2,481.31	2,500.05	2,483.64	7.01	6.92	115.51	29.09	262.81	59.34	44.90	14.44	4.110	
2,600.00	2,580.39	2,600.03	2,582.82	7.12	7.03	115.71	31.41	275.19	61.24	46.58	14.65	4.179	
2,700.00	2,679.47	2,700.02	2,682.01	7.25	7.15	115.90	33.73	287.58	63.14	48.25	14.90	4.239	
2,800.00	2,778.56	2,800.00	2,781.19	7.38	7.29	116.07	36.04	299.96	65.04	49.88	15.16	4.290	
2,900.00	2,877.64	2,900.02	2,880.38	7.53	7.43	116.24	38.36	312.35	66.95	51.50	15.45	4.334	
3,000.00	2,976.73	3,000.04	2,979.56	7.68	7.58	116.40	40.68	324.73	68.85	53.10	15.75	4.371	
3,100.00	3,075.81	3,100.06	3,078.75	7.85	7.74	116.55	43.00	337.12	70.75	54.68	16.08	4.401	
3,200.00	3,174.90	3,199.92	3,177.93	8.02	7.91	116.69	45.32	349.50	72.66	56.24	16.42	4.425	
3,300.00	3,273.98	3,300.09	3,277.11	8.21	8.09	116.82	47.63	361.89	74.56	57.78	16.78	4.443	
3,400.00	3,373.06	3,400.11	3,376.30	8.40	8.28	116.95	49.95	374.27	76.47	59.31	17.16	4.457	
3,500.00	3,472.15	3,500.13	3,475.48	8.59	8.48	117.07	52.27	386.66	78.37	60.83	17.55	4.467	
3,600.00	3,571.23	3,600.15	3,574.67	8.80	8.68	117.19	54.59	399.04	80.28	62.33	17.95	4.472	
3,700.00	3,670.32	3,700.17	3,673.85	9.01	8.88	117.30	56.90	411.43	82.19	63.82	18.37	4.475	
3,800.00	3,769.40	3,800.19	3,773.04	9.23	9.10	117.40	59.22	423.81	84.09	65.30	18.79	4.474	
3,900.00	3,868.48	3,899.80	3,872.22	9.45	9.31	117.50	61.54	436.20	86.00	66.77	19.23	4.471	
4,000.00	3,967.57	4,000.22	3,971.41	9.67	9.54	117.60	63.86	448.59	87.91	68.22	19.68	4.466	
4,100.00	4,066.65	4,100.24	4,070.59	9.91	9.77	117.69	66.18	460.97	89.81	69.67	20.14	4.459	
4,200.00	4,165.74	4,200.26	4,169.78	10.14	10.00	117.78	68.49	473.36	91.72	71.11	20.61	4.450	
4,300.00	4,264.82	4,300.28	4,268.96	10.38	10.24	117.87	70.81	485.74	93.63	72.54	21.09	4.440	
4,400.00	4,363.91	4,400.30	4,368.14	10.63	10.48	117.95	73.13	498.13	95.54	73.96	21.57	4.429	
4,500.00	4,462.99	4,500.31	4,467.33	10.87	10.72	118.02	75.45	510.51	97.44	75.38	22.06	4.417	
4,600.00	4,562.07	4,600.33	4,566.51	11.12	10.97	118.10	77.77	522.90	99.35	76.79	22.56	4.404	
4,700.00	4,661.16	4,700.35	4,665.70	11.38	11.22	118.17	80.08	535.28	101.26	78.20	23.07	4.390	
4,800.00	4,760.24	4,800.37	4,764.88	11.64	11.47	118.24	82.40	547.67	103.17	79.59	23.58	4.376	
4,900.00	4,859.33	4,900.39	4,864.07	11.90	11.73	118.31	84.72	560.05	105.08	80.99	24.09	4.362	
5,000.00	4,958.41	5,000.40	4,963.25	12.16	11.99	118.37	87.04	572.44	106.99	82.37	24.61	4.347	
5,100.00	5,057.50	5,100.42	5,062.44	12.42	12.25	118.44	89.35	584.82	108.90	83.76	25.14	4.332	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4N-30C-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,200.44	5,161.62	12.69	12.51	118.50	91.67	597.21	110.80	85.14	25.67	4.317	
5,300.00	5,255.66	5,299.54	5,260.81	12.96	12.78	118.55	93.99	609.59	112.71	86.51	26.20	4.302	
5,400.00	5,354.75	5,400.48	5,359.99	13.23	13.05	118.61	96.31	621.98	114.62	87.88	26.74	4.287	
5,500.00	5,453.83	5,500.50	5,459.17	13.50	13.32	118.67	98.63	634.36	116.53	89.25	27.28	4.271	
5,600.00	5,552.92	5,600.51	5,558.36	13.78	13.59	118.72	100.94	646.75	118.44	90.61	27.83	4.256	
5,700.00	5,652.00	5,700.53	5,657.54	14.05	13.86	118.77	103.26	659.13	120.35	91.98	28.38	4.241	
5,800.00	5,751.09	5,800.55	5,756.73	14.33	14.14	118.82	105.58	671.52	122.26	93.33	28.93	4.226	
5,900.00	5,850.17	5,900.57	5,855.91	14.61	14.41	118.87	107.90	683.91	124.17	94.69	29.48	4.212	
6,000.00	5,949.25	6,000.59	5,955.10	14.89	14.69	118.91	110.21	696.29	126.08	96.04	30.04	4.197	
6,100.00	6,048.34	6,100.61	6,054.28	15.18	14.97	118.96	112.53	708.68	127.99	97.39	30.60	4.183	
6,200.00	6,147.42	6,200.62	6,153.47	15.46	15.25	119.00	114.85	721.06	129.90	98.74	31.16	4.168	
6,300.00	6,246.51	6,300.64	6,252.65	15.74	15.53	119.04	117.17	733.45	131.81	100.08	31.73	4.154	
6,400.00	6,345.70	6,399.33	6,351.82	16.01	15.81	130.66	119.49	745.83	133.54	101.26	32.28	4.137	
6,500.00	6,445.51	6,501.64	6,450.07	16.18	16.10	-111.78	121.78	758.10	133.65	100.84	32.81	4.073	
6,600.00	6,543.99	6,594.49	6,545.45	16.29	16.35	-106.41	124.01	769.88	136.02	102.81	33.21	4.096	
6,700.00	6,638.74	6,693.79	6,644.58	16.35	16.53	-115.05	126.34	772.47	145.85	112.59	33.26	4.385	
6,800.00	6,727.41	6,799.14	6,748.83	16.39	16.66	-123.97	128.82	758.35	162.08	129.08	33.01	4.910	
6,900.00	6,807.81	6,911.53	6,855.85	16.41	16.73	-131.46	131.39	724.57	182.19	149.72	32.47	5.611	
7,000.00	6,877.98	7,031.89	6,961.94	16.46	16.77	-137.30	133.97	668.18	203.57	171.83	31.74	6.414	
7,100.00	6,936.18	7,160.80	7,061.64	16.57	16.82	-141.66	136.44	586.84	223.88	192.89	31.00	7.223	
7,200.00	6,980.98	7,298.21	7,147.56	16.78	16.94	-144.74	138.62	479.98	241.08	210.53	30.55	7.891	
7,300.00	7,011.28	7,443.00	7,211.14	17.11	17.25	-146.69	140.30	350.25	253.45	222.69	30.76	8.240	
7,400.00	7,026.32	7,592.82	7,244.38	17.54	17.80	-147.61	141.30	204.52	259.70	227.90	31.80	8.167	
7,500.00	7,028.24	7,715.79	7,248.03	18.08	18.43	-147.66	141.56	81.68	260.15	227.14	33.01	7.882	
7,600.00	7,028.66	7,815.79	7,248.08	18.75	19.08	-147.60	141.71	-18.32	259.86	225.85	34.01	7.641	
7,700.00	7,029.09	7,915.79	7,248.13	19.55	19.84	-147.55	141.86	-118.32	259.58	224.43	35.14	7.386	
7,800.00	7,029.51	8,015.79	7,248.19	20.44	20.72	-147.50	142.01	-218.32	259.29	222.89	36.40	7.123	
7,900.00	7,029.93	8,115.79	7,248.24	21.43	21.68	-147.45	142.15	-318.32	259.00	221.23	37.77	6.857	
8,000.00	7,030.35	8,215.79	7,248.29	22.50	22.73	-147.39	142.30	-418.32	258.71	219.47	39.24	6.593	
8,100.00	7,030.78	8,315.79	7,248.34	23.64	23.85	-147.34	142.45	-518.32	258.43	217.63	40.80	6.335	
8,200.00	7,031.20	8,415.79	7,248.39	24.84	25.04	-147.29	142.60	-618.32	258.14	215.71	42.43	6.083	
8,300.00	7,031.62	8,515.79	7,248.44	26.09	26.27	-147.23	142.74	-718.31	257.85	213.71	44.14	5.842	
8,400.00	7,032.04	8,615.79	7,248.49	27.38	27.55	-147.18	142.89	-818.31	257.57	211.66	45.91	5.610	
8,500.00	7,032.47	8,715.79	7,248.54	28.72	28.88	-147.12	143.04	-918.31	257.28	209.54	47.74	5.389	
8,600.00	7,032.89	8,815.78	7,248.59	30.09	30.23	-147.07	143.19	-1,018.31	257.00	207.38	49.62	5.179	
8,700.00	7,033.31	8,915.78	7,248.65	31.48	31.62	-147.02	143.33	-1,118.31	256.71	205.17	51.54	4.980	
8,800.00	7,033.73	9,015.78	7,248.70	32.91	33.03	-146.96	143.48	-1,218.31	256.43	202.92	53.51	4.792	
8,900.00	7,034.16	9,115.78	7,248.75	34.35	34.47	-146.91	143.63	-1,318.31	256.14	200.63	55.51	4.614	
9,000.00	7,034.58	9,215.78	7,248.80	35.82	35.92	-146.85	143.78	-1,418.31	255.86	198.31	57.55	4.446	
9,100.00	7,035.00	9,315.78	7,248.85	37.30	37.40	-146.80	143.92	-1,518.31	255.57	195.96	59.62	4.287	
9,200.00	7,035.42	9,415.78	7,248.90	38.80	38.89	-146.74	144.07	-1,618.31	255.29	193.58	61.71	4.137	
9,300.00	7,035.85	9,515.78	7,248.95	40.31	40.39	-146.69	144.22	-1,718.31	255.00	191.17	63.83	3.995	
9,400.00	7,036.27	9,615.78	7,249.00	41.83	41.91	-146.63	144.37	-1,818.31	254.72	188.75	65.97	3.861	
9,500.00	7,036.69	9,715.78	7,249.06	43.37	43.44	-146.58	144.51	-1,918.31	254.44	186.30	68.14	3.734	
9,600.00	7,037.11	9,815.78	7,249.11	44.91	44.98	-146.52	144.66	-2,018.30	254.15	183.83	70.32	3.614	
9,700.00	7,037.54	9,915.78	7,249.16	46.46	46.53	-146.47	144.81	-2,118.30	253.87	181.34	72.53	3.500	
9,800.00	7,037.96	10,015.78	7,249.21	48.02	48.08	-146.41	144.96	-2,218.30	253.59	178.84	74.75	3.393	
9,900.00	7,038.38	10,115.78	7,249.26	49.59	49.65	-146.36	145.10	-2,318.30	253.31	176.33	76.98	3.291	
10,000.00	7,038.80	10,215.77	7,249.31	51.17	51.22	-146.30	145.25	-2,418.30	253.02	173.79	79.23	3.194	
10,100.00	7,039.23	10,315.77	7,249.36	52.75	52.80	-146.25	145.40	-2,518.30	252.74	171.25	81.49	3.101	
10,200.00	7,039.65	10,415.77	7,249.41	54.33	54.38	-146.19	145.55	-2,618.30	252.46	168.69	83.77	3.014	
10,300.00	7,040.07	10,515.77	7,249.46	55.93	55.97	-146.13	145.69	-2,718.30	252.18	166.12	86.06	2.930	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 4N-30C-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	7,040.49	10,615.77	7,249.52	57.52	57.56	-146.08	145.84	-2,818.30	251.90	163.54	88.36	2.851	
10,500.00	7,040.92	10,715.77	7,249.57	59.12	59.16	-146.02	145.99	-2,918.30	251.62	160.95	90.67	2.775	
10,600.00	7,041.34	10,815.77	7,249.62	60.73	60.76	-145.97	146.14	-3,018.30	251.33	158.34	92.99	2.703	
10,700.00	7,041.76	10,915.77	7,249.67	62.33	62.36	-145.91	146.28	-3,118.30	251.05	155.73	95.32	2.634	
10,800.00	7,042.18	11,015.77	7,249.72	63.94	63.97	-145.85	146.43	-3,218.29	250.77	153.11	97.66	2.568	
10,900.00	7,042.61	11,115.77	7,249.77	65.56	65.58	-145.80	146.58	-3,318.29	250.49	150.48	100.01	2.505	
11,000.00	7,043.03	11,215.77	7,249.82	67.17	67.19	-145.74	146.73	-3,418.29	250.21	147.84	102.37	2.444	
11,100.00	7,043.45	11,315.77	7,249.87	68.79	68.81	-145.68	146.87	-3,518.29	249.93	145.20	104.73	2.386	
11,200.00	7,043.87	11,415.77	7,249.93	70.41	70.43	-145.62	147.02	-3,618.29	249.65	142.55	107.11	2.331	
11,300.00	7,044.30	11,515.77	7,249.98	72.04	72.05	-145.57	147.17	-3,718.29	249.38	139.89	109.49	2.278	
11,400.00	7,044.72	11,615.77	7,250.03	73.67	73.68	-145.51	147.32	-3,818.29	249.10	137.22	111.88	2.226	
11,500.00	7,045.14	11,715.76	7,250.08	75.29	75.30	-145.45	147.46	-3,918.29	248.82	134.54	114.28	2.177	
11,600.00	7,045.56	11,815.76	7,250.13	76.92	76.93	-145.39	147.61	-4,018.29	248.54	131.86	116.68	2.130	
11,700.00	7,045.99	11,915.76	7,250.18	78.56	78.56	-145.34	147.76	-4,118.29	248.26	129.17	119.09	2.085	
11,800.00	7,046.41	12,015.76	7,250.23	80.19	80.19	-145.28	147.91	-4,218.29	247.98	126.48	121.50	2.041	
11,900.00	7,046.83	12,115.76	7,250.28	81.82	81.83	-145.22	148.05	-4,318.29	247.71	123.78	123.93	1.999	
12,000.00	7,047.25	12,215.76	7,250.34	83.46	83.46	-145.16	148.20	-4,418.28	247.43	121.07	126.35	1.958	
12,100.00	7,047.68	12,315.76	7,250.39	85.10	85.10	-145.10	148.35	-4,518.28	247.15	118.36	128.79	1.919	
12,200.00	7,048.10	12,415.76	7,250.44	86.74	86.74	-145.05	148.50	-4,618.28	246.87	115.65	131.23	1.881	
12,300.00	7,048.52	12,515.76	7,250.49	88.38	88.38	-144.99	148.64	-4,718.28	246.60	112.92	133.68	1.845	
12,400.00	7,048.94	12,615.76	7,250.54	90.02	90.02	-144.93	148.79	-4,818.28	246.32	110.19	136.13	1.809	
12,500.00	7,049.37	12,715.76	7,250.59	91.66	91.66	-144.87	148.94	-4,918.28	246.05	107.46	138.58	1.775	
12,600.00	7,049.79	12,815.76	7,250.64	93.31	93.30	-144.81	149.09	-5,018.28	245.77	104.72	141.05	1.742	
12,700.00	7,050.21	12,915.76	7,250.69	94.95	94.94	-144.75	149.23	-5,118.28	245.49	101.98	143.52	1.711	
12,800.00	7,050.63	13,015.76	7,250.74	96.60	96.59	-144.69	149.38	-5,218.28	245.22	99.23	145.99	1.680	
12,900.00	7,051.06	13,115.75	7,250.80	98.24	98.23	-144.63	149.53	-5,318.28	244.94	96.48	148.47	1.650	
13,000.00	7,051.48	13,215.75	7,250.85	99.89	99.88	-144.57	149.68	-5,418.28	244.67	93.72	150.95	1.621	
13,100.00	7,051.90	13,315.75	7,250.90	101.54	101.53	-144.51	149.82	-5,518.28	244.39	90.95	153.44	1.593	
13,200.00	7,052.32	13,415.75	7,250.95	103.19	103.17	-144.45	149.97	-5,618.27	244.12	88.19	155.93	1.566	
13,300.00	7,052.75	13,515.75	7,251.00	104.84	104.82	-144.39	150.12	-5,718.27	243.85	85.41	158.43	1.539	
13,400.00	7,053.17	13,615.75	7,251.05	106.49	106.47	-144.33	150.27	-5,818.27	243.57	82.64	160.94	1.513	
13,500.00	7,053.59	13,715.75	7,251.10	108.14	108.12	-144.27	150.41	-5,918.27	243.30	79.85	163.44	1.489	Level 3
13,600.00	7,054.01	13,815.75	7,251.15	109.79	109.77	-144.21	150.56	-6,018.27	243.03	77.07	165.96	1.464	Level 3
13,700.00	7,054.44	13,915.75	7,251.21	111.44	111.43	-144.15	150.71	-6,118.27	242.75	74.28	168.48	1.441	Level 3
13,800.00	7,054.86	14,015.75	7,251.26	113.09	113.08	-144.09	150.86	-6,218.27	242.48	71.48	171.00	1.418	Level 3
13,900.00	7,055.28	14,115.75	7,251.31	114.75	114.73	-144.03	151.00	-6,318.27	242.21	68.68	173.53	1.396	Level 3
14,000.00	7,055.70	14,215.75	7,251.36	116.40	116.38	-143.97	151.15	-6,418.27	241.94	65.88	176.06	1.374	Level 3
14,100.00	7,056.13	14,315.75	7,251.41	118.06	118.04	-143.91	151.30	-6,518.27	241.66	63.07	178.59	1.353	Level 3
14,200.00	7,056.55	14,415.75	7,251.46	119.71	119.69	-143.85	151.45	-6,618.27	241.39	60.26	181.13	1.333	Level 3
14,300.00	7,056.97	14,515.74	7,251.51	121.37	121.35	-143.79	151.59	-6,718.27	241.12	57.44	183.68	1.313	Level 3
14,400.00	7,057.39	14,615.74	7,251.56	123.02	123.00	-143.72	151.74	-6,818.26	240.85	54.62	186.23	1.293	Level 3
14,500.00	7,057.82	14,715.74	7,251.61	124.68	124.66	-143.66	151.89	-6,918.26	240.58	51.80	188.78	1.274	Level 3
14,600.00	7,058.24	14,815.74	7,251.67	126.33	126.31	-143.60	152.04	-7,018.26	240.31	48.97	191.34	1.256	Level 3
14,700.00	7,058.66	14,915.74	7,251.72	127.99	127.97	-143.54	152.18	-7,118.26	240.04	46.13	193.91	1.238	Level 2
14,800.00	7,059.08	15,015.74	7,251.77	129.65	129.62	-143.48	152.33	-7,218.26	239.77	43.30	196.47	1.220	Level 2
14,900.00	7,059.51	15,115.74	7,251.82	131.31	131.28	-143.42	152.48	-7,318.26	239.50	40.46	199.04	1.203	Level 2
15,000.00	7,059.93	15,215.74	7,251.87	132.96	132.94	-143.35	152.63	-7,418.26	239.23	37.61	201.62	1.187	Level 2
15,100.00	7,060.35	15,315.74	7,251.92	134.62	134.60	-143.29	152.77	-7,518.26	238.96	34.76	204.20	1.170	Level 2
15,200.00	7,060.77	15,415.74	7,251.97	136.28	136.26	-143.23	152.92	-7,618.26	238.69	31.91	206.79	1.154	Level 2
15,253.82	7,061.00	15,469.56	7,252.00	137.17	137.15	-143.19	153.00	-7,672.08	238.55	30.37	208.18	1.146	Level 2, SF

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5C-30-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	179.60	-159.93	1.11	159.93				
100.00	100.00	100.00	100.00	3.28	3.28	179.60	-159.93	1.11	159.93	152.40	7.53	21.243	
200.00	200.00	200.00	200.00	3.31	3.31	179.60	-159.93	1.11	159.93	152.36	7.57	21.116	CC, ES, SF
300.00	299.98	295.63	295.61	3.35	3.34	107.80	-161.22	2.05	161.82	154.16	7.65	21.141	
400.00	399.84	391.03	390.88	3.42	3.40	108.36	-165.07	4.87	167.48	159.71	7.77	21.552	
500.00	499.45	485.98	485.50	3.51	3.48	109.21	-171.45	9.52	176.94	169.00	7.93	22.304	
600.00	598.71	580.27	579.15	3.63	3.58	110.26	-180.29	15.96	190.20	182.05	8.15	23.348	
700.00	697.79	673.88	671.72	3.77	3.72	111.15	-191.53	24.15	206.52	198.12	8.40	24.574	
800.00	796.87	766.74	763.05	3.94	3.89	111.39	-205.08	34.04	225.32	216.62	8.71	25.883	
900.00	895.96	863.20	857.49	4.14	4.11	111.25	-220.94	45.60	245.87	236.80	9.07	27.110	
1,000.00	995.04	961.04	953.27	4.35	4.36	111.13	-237.11	57.39	266.50	257.02	9.48	28.109	
1,100.00	1,094.13	1,058.89	1,049.05	4.58	4.64	111.02	-253.27	69.18	287.12	277.20	9.93	28.922	
1,200.00	1,193.21	1,156.74	1,144.83	4.82	4.94	110.92	-269.44	80.97	307.75	297.35	10.40	29.579	
1,300.00	1,292.29	1,254.59	1,240.61	5.07	5.25	110.84	-285.61	92.76	328.38	317.47	10.91	30.106	
1,400.00	1,391.38	1,352.44	1,336.39	5.33	5.58	110.77	-301.78	104.55	349.01	337.58	11.43	30.527	
1,500.00	1,490.46	1,450.28	1,432.17	5.61	5.93	110.70	-317.95	116.34	369.64	357.66	11.97	30.868	
1,600.00	1,589.55	1,548.13	1,527.95	5.88	6.28	110.64	-334.11	128.13	390.27	377.73	12.53	31.135	
1,700.00	1,688.63	1,645.98	1,623.73	6.17	6.64	110.59	-350.28	139.92	410.90	397.79	13.11	31.346	
1,800.00	1,787.72	1,743.83	1,719.51	6.46	7.01	110.54	-366.45	151.71	431.53	417.83	13.69	31.511	
1,900.00	1,886.80	1,841.68	1,815.29	6.62	7.31	110.50	-382.62	163.50	452.16	438.44	13.72	32.966	
2,000.00	1,985.88	1,939.53	1,911.07	6.65	7.45	110.46	-398.78	175.29	472.79	458.93	13.86	34.121	
2,100.00	2,084.97	2,037.37	2,006.85	6.69	7.51	110.43	-414.95	187.08	493.42	479.48	13.94	35.403	
2,200.00	2,184.05	2,135.22	2,102.63	6.75	7.58	110.39	-431.12	198.87	514.05	500.00	14.05	36.591	
2,300.00	2,283.14	2,233.07	2,198.41	6.82	7.67	110.36	-447.29	210.66	534.69	520.50	14.19	37.681	
2,400.00	2,382.22	2,330.92	2,294.19	6.91	7.78	110.33	-463.45	222.45	555.32	540.96	14.36	38.672	
2,500.00	2,481.31	2,428.77	2,389.97	7.01	7.90	110.31	-479.62	234.24	575.95	561.39	14.56	39.565	
2,600.00	2,580.39	2,526.61	2,485.75	7.12	8.03	110.28	-495.79	246.03	596.58	581.80	14.78	40.361	
2,700.00	2,679.47	2,624.46	2,581.53	7.25	8.18	110.26	-511.96	257.82	617.21	602.18	15.03	41.064	
2,800.00	2,778.56	2,722.31	2,677.31	7.38	8.35	110.24	-528.12	269.61	637.84	622.54	15.30	41.678	
2,900.00	2,877.64	2,820.16	2,773.09	7.53	8.52	110.22	-544.29	281.40	658.48	642.88	15.60	42.210	
3,000.00	2,976.73	2,918.01	2,868.88	7.68	8.71	110.20	-560.46	293.18	679.11	663.19	15.92	42.664	
3,100.00	3,075.81	3,015.86	2,964.66	7.85	8.91	110.18	-576.63	304.97	699.74	683.49	16.26	43.047	
3,200.00	3,174.90	3,113.70	3,060.44	8.02	9.12	110.17	-592.79	316.76	720.37	703.76	16.61	43.365	
3,300.00	3,273.98	3,211.55	3,156.22	8.21	9.34	110.15	-608.96	328.55	741.01	724.02	16.99	43.624	
3,400.00	3,373.06	3,309.40	3,252.00	8.40	9.57	110.14	-625.13	340.34	761.64	744.26	17.38	43.831	
3,500.00	3,472.15	3,407.25	3,347.78	8.59	9.81	110.12	-641.30	352.13	782.27	764.49	17.78	43.991	
3,600.00	3,571.23	3,505.10	3,443.56	8.80	10.06	110.11	-657.46	363.92	802.90	784.70	18.20	44.109	
3,700.00	3,670.32	3,602.94	3,539.34	9.01	10.31	110.10	-673.63	375.71	823.54	804.90	18.64	44.190	
3,800.00	3,769.40	3,700.79	3,635.12	9.23	10.57	110.08	-689.80	387.50	844.17	825.09	19.08	44.239	
3,900.00	3,868.48	3,801.36	3,730.90	9.45	10.84	110.07	-705.97	399.29	864.80	845.26	19.55	44.244	
4,000.00	3,967.57	3,903.51	3,826.68	9.67	11.12	110.06	-722.13	411.08	885.44	865.41	20.03	44.215	
4,100.00	4,066.65	3,994.34	3,922.46	9.91	11.38	110.05	-738.30	422.87	906.07	885.58	20.49	44.229	
4,200.00	4,165.74	4,107.81	4,018.24	10.14	11.71	110.04	-754.47	434.66	926.70	905.69	21.01	44.099	
4,300.00	4,264.82	4,190.03	4,114.02	10.38	11.95	110.03	-770.64	446.45	947.33	925.86	21.47	44.125	
4,400.00	4,363.91	4,287.88	4,209.80	10.63	12.24	110.02	-786.80	458.24	967.97	945.99	21.97	44.053	
4,500.00	4,462.99	4,385.73	4,305.58	10.87	12.54	110.01	-802.97	470.03	988.60	966.12	22.48	43.968	
4,600.00	4,562.07	4,483.58	4,401.36	11.12	12.84	110.00	-819.14	481.82	1,009.23	986.23	23.00	43.875	
4,700.00	4,661.16	4,581.43	4,497.14	11.38	13.14	110.00	-835.31	493.61	1,029.87	1,006.34	23.53	43.773	
4,800.00	4,760.24	4,679.27	4,592.92	11.64	13.44	109.99	-851.47	505.40	1,050.50	1,026.44	24.06	43.665	
4,900.00	4,859.33	4,777.12	4,688.70	11.90	13.75	109.98	-867.64	517.19	1,071.13	1,046.54	24.59	43.551	
5,000.00	4,958.41	4,874.97	4,784.48	12.16	14.06	109.97	-883.81	528.98	1,091.76	1,066.63	25.14	43.433	
5,100.00	5,057.50	4,972.82	4,880.26	12.42	14.38	109.97	-899.98	540.77	1,112.40	1,086.71	25.68	43.312	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5C-30-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,070.67	4,976.04	12.69	14.69	109.96	-916.14	552.56	1,133.03	1,106.80	26.23	43.188	
5,300.00	5,255.66	5,168.52	5,071.82	12.96	15.01	109.95	-932.31	564.34	1,153.66	1,126.87	26.79	43.062	
5,400.00	5,354.75	5,266.36	5,167.60	13.23	15.33	109.95	-948.48	576.13	1,174.30	1,146.95	27.35	42.935	
5,500.00	5,453.83	5,364.21	5,263.38	13.50	15.66	109.94	-964.65	587.92	1,194.93	1,167.01	27.91	42.807	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5N-30B-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	179.65	-179.96	1.11	179.97				
100.00	100.00	100.00	100.00	3.28	3.28	179.65	-179.96	1.11	179.97	172.44	7.53	23.903	
200.00	200.00	200.00	200.00	3.31	3.31	179.65	-179.96	1.11	179.97	172.39	7.57	23.761	CC, ES, SF
300.00	299.98	294.97	294.95	3.35	3.34	107.83	-181.27	1.98	181.88	174.23	7.65	23.764	
400.00	399.84	389.70	389.56	3.42	3.40	108.38	-185.19	4.58	187.64	179.87	7.77	24.151	
500.00	499.45	483.96	483.50	3.51	3.48	109.20	-191.68	8.89	197.27	189.34	7.93	24.876	
600.00	598.71	577.53	576.44	3.63	3.58	110.24	-200.66	14.84	210.77	202.63	8.14	25.890	
700.00	697.79	670.40	668.29	3.77	3.71	111.17	-212.08	22.41	227.41	219.02	8.40	27.089	
800.00	796.87	762.50	758.89	3.94	3.88	111.55	-225.84	31.54	246.61	237.92	8.69	28.370	
900.00	895.96	854.08	848.41	4.14	4.09	111.47	-241.92	42.20	268.28	259.24	9.03	29.708	
1,000.00	995.04	951.45	943.30	4.35	4.35	111.23	-260.11	54.27	291.02	281.58	9.44	30.823	
1,100.00	1,094.13	1,048.82	1,038.19	4.58	4.64	111.03	-278.31	66.34	313.77	303.88	9.89	31.729	
1,200.00	1,193.21	1,146.19	1,133.09	4.82	4.95	110.85	-296.51	78.41	336.53	326.16	10.37	32.458	
1,300.00	1,292.29	1,243.56	1,227.98	5.07	5.28	110.70	-314.71	90.47	359.28	348.41	10.87	33.041	
1,400.00	1,391.38	1,340.94	1,322.87	5.33	5.63	110.57	-332.91	102.54	382.04	370.64	11.40	33.503	
1,500.00	1,490.46	1,438.31	1,417.76	5.61	5.99	110.45	-351.11	114.61	404.80	392.85	11.95	33.879	
1,600.00	1,589.55	1,535.68	1,512.65	5.88	6.37	110.34	-369.31	126.68	427.56	415.05	12.51	34.168	
1,700.00	1,688.63	1,633.05	1,607.54	6.17	6.75	110.24	-387.51	138.75	450.33	437.24	13.09	34.396	
1,800.00	1,787.72	1,730.43	1,702.44	6.46	7.14	110.16	-405.71	150.82	473.09	459.41	13.68	34.574	
1,900.00	1,886.80	1,827.80	1,797.33	6.62	7.48	110.08	-423.91	162.89	495.86	481.95	13.90	35.665	
2,000.00	1,985.88	1,925.17	1,892.22	6.65	7.66	110.00	-442.11	174.96	518.62	504.73	13.89	37.325	
2,100.00	2,084.97	2,022.54	1,987.11	6.69	7.72	109.94	-460.31	187.03	541.39	527.42	13.97	38.743	
2,200.00	2,184.05	2,119.91	2,082.00	6.75	7.79	109.88	-478.51	199.09	564.16	550.07	14.08	40.055	
2,300.00	2,283.14	2,217.29	2,176.89	6.82	7.89	109.82	-496.71	211.16	586.93	572.70	14.23	41.260	
2,400.00	2,382.22	2,314.66	2,271.79	6.91	8.00	109.77	-514.91	223.23	609.69	595.30	14.40	42.354	
2,500.00	2,481.31	2,412.03	2,366.68	7.01	8.13	109.72	-533.11	235.30	632.46	617.87	14.59	43.338	
2,600.00	2,580.39	2,509.40	2,461.57	7.12	8.27	109.68	-551.31	247.37	655.23	640.41	14.82	44.216	
2,700.00	2,679.47	2,606.77	2,556.46	7.25	8.43	109.63	-569.51	259.44	678.00	662.93	15.07	44.989	
2,800.00	2,778.56	2,704.15	2,651.35	7.38	8.60	109.60	-587.71	271.51	700.77	685.43	15.35	45.666	
2,900.00	2,877.64	2,801.52	2,746.24	7.53	8.78	109.56	-605.91	283.58	723.54	707.90	15.65	46.247	
3,000.00	2,976.73	2,901.11	2,841.14	7.68	8.99	109.52	-624.11	295.65	746.31	730.34	15.97	46.732	
3,100.00	3,075.81	3,003.74	2,936.03	7.85	9.21	109.49	-642.31	307.71	769.08	752.76	16.32	47.120	
3,200.00	3,174.90	3,106.37	3,030.92	8.02	9.44	109.46	-660.51	319.78	791.86	775.16	16.69	47.434	
3,300.00	3,273.98	3,208.99	3,125.81	8.21	9.69	109.43	-678.71	331.85	814.63	797.54	17.08	47.681	
3,400.00	3,373.06	3,288.38	3,220.70	8.40	9.88	109.41	-696.91	343.92	837.40	819.96	17.44	48.009	
3,500.00	3,472.15	3,385.75	3,315.59	8.59	10.13	109.38	-715.11	355.99	860.17	842.32	17.85	48.180	
3,600.00	3,571.23	3,483.12	3,410.49	8.80	10.39	109.36	-733.31	368.06	882.94	864.66	18.28	48.304	
3,700.00	3,670.32	3,580.49	3,505.38	9.01	10.65	109.33	-751.50	380.13	905.71	887.00	18.72	48.388	
3,800.00	3,769.40	3,677.87	3,600.27	9.23	10.92	109.31	-769.70	392.20	928.49	909.32	19.17	48.437	
3,900.00	3,868.48	3,775.24	3,695.16	9.45	11.20	109.29	-787.90	404.27	951.26	931.63	19.63	48.455	
4,000.00	3,967.57	3,872.61	3,790.05	9.67	11.49	109.27	-806.10	416.34	974.03	953.92	20.11	48.445	
4,100.00	4,066.65	3,969.98	3,884.94	9.91	11.78	109.25	-824.30	428.40	996.80	976.21	20.59	48.413	
4,200.00	4,165.74	4,067.35	3,979.84	10.14	12.07	109.23	-842.50	440.47	1,019.58	998.49	21.08	48.361	
4,300.00	4,264.82	4,164.73	4,074.73	10.38	12.37	109.21	-860.70	452.54	1,042.35	1,020.76	21.58	48.291	
4,400.00	4,363.91	4,262.10	4,169.62	10.63	12.67	109.20	-878.90	464.61	1,065.12	1,043.03	22.09	48.207	
4,500.00	4,462.99	4,359.47	4,264.51	10.87	12.98	109.18	-897.10	476.68	1,087.89	1,065.28	22.61	48.111	
4,600.00	4,562.07	4,456.84	4,359.40	11.12	13.29	109.17	-915.30	488.75	1,110.67	1,087.53	23.14	48.004	
4,700.00	4,661.16	4,554.21	4,454.29	11.38	13.61	109.15	-933.50	500.82	1,133.44	1,109.77	23.67	47.889	
4,800.00	4,760.24	4,651.59	4,549.19	11.64	13.93	109.14	-951.70	512.89	1,156.21	1,132.01	24.21	47.767	
4,900.00	4,859.33	4,748.96	4,644.08	11.90	14.25	109.12	-969.90	524.96	1,178.99	1,154.24	24.75	47.639	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5N-30C-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	179.66	-139.89	0.84	139.89				
100.00	100.00	100.00	100.00	3.28	3.28	179.66	-139.89	0.84	139.89	132.36	7.53	18.581	
200.00	200.00	200.00	200.00	3.31	3.31	179.66	-139.89	0.84	139.89	132.32	7.57	18.470	CC, ES, SF
300.00	299.98	296.55	296.53	3.35	3.34	107.82	-141.06	1.96	141.65	133.99	7.66	18.503	
400.00	399.84	392.90	392.76	3.42	3.40	108.29	-144.58	5.33	146.91	139.13	7.77	18.898	
500.00	499.45	488.89	488.40	3.51	3.48	108.98	-150.39	10.91	155.69	147.75	7.94	19.610	
600.00	598.71	584.31	583.16	3.63	3.59	109.84	-158.47	18.65	167.98	159.82	8.16	20.592	
700.00	697.79	679.16	676.93	3.77	3.73	110.40	-168.74	28.51	183.04	174.62	8.42	21.730	
800.00	796.87	776.26	772.51	3.94	3.91	110.35	-181.08	40.33	199.87	191.13	8.75	22.851	
900.00	895.96	874.81	869.49	4.14	4.12	110.27	-193.73	52.47	216.85	207.72	9.12	23.772	
1,000.00	995.04	973.35	966.46	4.35	4.36	110.20	-206.39	64.61	233.82	224.28	9.54	24.520	
1,100.00	1,094.13	1,071.90	1,063.44	4.58	4.62	110.14	-219.05	76.75	250.79	240.81	9.98	25.120	
1,200.00	1,193.21	1,170.45	1,160.41	4.82	4.90	110.09	-231.70	88.88	267.77	257.31	10.46	25.598	
1,300.00	1,292.29	1,269.00	1,257.39	5.07	5.20	110.04	-244.36	101.02	284.74	273.78	10.96	25.975	
1,400.00	1,391.38	1,367.55	1,354.36	5.33	5.50	110.00	-257.02	113.16	301.72	290.23	11.48	26.271	
1,500.00	1,490.46	1,466.10	1,451.34	5.61	5.82	109.96	-269.67	125.30	318.69	306.66	12.02	26.503	
1,600.00	1,589.55	1,564.65	1,548.32	5.88	6.15	109.93	-282.33	137.43	335.66	323.08	12.58	26.679	
1,700.00	1,688.63	1,663.19	1,645.29	6.17	6.48	109.90	-294.99	149.57	352.64	339.49	13.15	26.814	
1,800.00	1,787.72	1,761.74	1,742.27	6.46	6.82	109.87	-307.65	161.71	369.61	355.88	13.73	26.914	
1,900.00	1,886.80	1,860.29	1,839.24	6.62	7.07	109.85	-320.30	173.85	386.59	372.87	13.72	28.171	
2,000.00	1,985.88	1,958.84	1,936.22	6.65	7.17	109.83	-332.96	185.98	403.56	389.73	13.84	29.169	
2,100.00	2,084.97	2,057.39	2,033.20	6.69	7.22	109.80	-345.62	198.12	420.54	406.62	13.92	30.214	
2,200.00	2,184.05	2,155.94	2,130.17	6.75	7.29	109.79	-358.27	210.26	437.51	423.48	14.03	31.180	
2,300.00	2,283.14	2,254.49	2,227.15	6.82	7.37	109.77	-370.93	222.40	454.49	440.31	14.17	32.066	
2,400.00	2,382.22	2,353.03	2,324.12	6.91	7.47	109.75	-383.59	234.53	471.46	457.12	14.34	32.870	
2,500.00	2,481.31	2,451.58	2,421.10	7.01	7.59	109.74	-396.24	246.67	488.44	473.90	14.54	33.592	
2,600.00	2,580.39	2,550.13	2,518.08	7.12	7.71	109.72	-408.90	258.81	505.41	490.65	14.76	34.235	
2,700.00	2,679.47	2,648.68	2,615.05	7.25	7.85	109.71	-421.56	270.95	522.39	507.38	15.01	34.801	
2,800.00	2,778.56	2,747.23	2,712.03	7.38	8.01	109.70	-434.21	283.08	539.36	524.08	15.28	35.295	
2,900.00	2,877.64	2,845.78	2,809.00	7.53	8.17	109.68	-446.87	295.22	556.34	540.76	15.57	35.720	
3,000.00	2,976.73	2,944.33	2,905.98	7.68	8.35	109.67	-459.53	307.36	573.31	557.42	15.89	36.083	
3,100.00	3,075.81	3,042.88	3,002.95	7.85	8.54	109.66	-472.18	319.50	590.29	574.07	16.22	36.387	
3,200.00	3,174.90	3,141.42	3,099.93	8.02	8.74	109.65	-484.84	331.63	607.26	590.69	16.57	36.638	
3,300.00	3,273.98	3,239.97	3,196.91	8.21	8.94	109.64	-497.50	343.77	624.24	607.29	16.94	36.841	
3,400.00	3,373.06	3,338.52	3,293.88	8.40	9.16	109.63	-510.15	355.91	641.21	623.88	17.33	37.001	
3,500.00	3,472.15	3,437.07	3,390.86	8.59	9.38	109.63	-522.81	368.05	658.19	640.46	17.73	37.122	
3,600.00	3,571.23	3,535.62	3,487.83	8.80	9.61	109.62	-535.47	380.18	675.16	657.02	18.14	37.210	
3,700.00	3,670.32	3,634.17	3,584.81	9.01	9.85	109.61	-548.13	392.32	692.14	673.57	18.57	37.267	
3,800.00	3,769.40	3,732.72	3,681.79	9.23	10.09	109.60	-560.78	404.46	709.11	690.10	19.01	37.298	
3,900.00	3,868.48	3,831.26	3,778.76	9.45	10.34	109.60	-573.44	416.60	726.09	706.63	19.46	37.305	
4,000.00	3,967.57	3,929.81	3,875.74	9.67	10.60	109.59	-586.10	428.73	743.07	723.14	19.92	37.293	
4,100.00	4,066.65	4,028.36	3,972.71	9.91	10.86	109.58	-598.75	440.87	760.04	739.64	20.40	37.264	
4,200.00	4,165.74	4,126.91	4,069.69	10.14	11.13	109.58	-611.41	453.01	777.02	756.14	20.88	37.219	
4,300.00	4,264.82	4,225.46	4,166.67	10.38	11.40	109.57	-624.07	465.15	793.99	772.63	21.37	37.162	
4,400.00	4,363.91	4,324.01	4,263.64	10.63	11.67	109.57	-636.72	477.28	810.97	789.10	21.86	37.094	
4,500.00	4,462.99	4,422.56	4,360.62	10.87	11.95	109.56	-649.38	489.42	827.94	805.58	22.37	37.017	
4,600.00	4,562.07	4,521.10	4,457.59	11.12	12.23	109.56	-662.04	501.56	844.92	822.04	22.88	36.932	
4,700.00	4,661.16	4,619.65	4,554.57	11.38	12.52	109.55	-674.69	513.70	861.89	838.50	23.40	36.841	
4,800.00	4,760.24	4,718.20	4,651.54	11.64	12.81	109.55	-687.35	525.83	878.87	854.95	23.92	36.744	
4,900.00	4,859.33	4,816.75	4,748.52	11.90	13.10	109.54	-700.01	537.97	895.84	871.40	24.45	36.644	
5,000.00	4,958.41	4,915.30	4,845.50	12.16	13.39	109.54	-712.66	550.11	912.82	887.84	24.98	36.539	
5,100.00	5,057.50	5,013.85	4,942.47	12.42	13.69	109.53	-725.32	562.25	929.79	904.27	25.52	36.433	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 5N-30C-M - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,156.58	5,112.40	5,039.45	12.69	13.99	109.53	-737.98	574.38	946.77	920.70	26.06	36.324	
5,300.00	5,255.66	5,210.95	5,136.42	12.96	14.29	109.53	-750.64	586.52	963.74	937.13	26.61	36.214	
5,400.00	5,354.75	5,309.49	5,233.40	13.23	14.59	109.52	-763.29	598.66	980.72	953.56	27.16	36.103	
5,500.00	5,453.83	5,408.04	5,330.38	13.50	14.90	109.52	-775.95	610.79	997.70	969.97	27.72	35.991	
5,600.00	5,552.92	5,506.59	5,427.35	13.78	15.21	109.51	-788.61	622.93	1,014.67	986.39	28.28	35.879	
5,700.00	5,652.00	5,605.14	5,524.33	14.05	15.51	109.51	-801.26	635.07	1,031.65	1,002.80	28.84	35.767	
5,800.00	5,751.09	5,703.69	5,621.30	14.33	15.83	109.51	-813.92	647.21	1,048.62	1,019.21	29.41	35.656	
5,900.00	5,850.17	5,802.24	5,718.28	14.61	16.14	109.50	-826.58	659.34	1,065.60	1,035.62	29.98	35.546	
6,000.00	5,949.25	5,900.79	5,815.25	14.89	16.45	109.50	-839.23	671.48	1,082.57	1,052.02	30.55	35.436	
6,100.00	6,048.34	6,000.67	5,912.23	15.18	16.77	109.50	-851.89	683.62	1,099.55	1,068.42	31.13	35.323	
6,200.00	6,147.42	6,102.12	6,009.21	15.46	17.10	109.50	-864.55	695.76	1,116.52	1,084.81	31.71	35.205	
6,300.00	6,246.51	6,203.57	6,106.18	15.74	17.42	109.49	-877.20	707.89	1,133.50	1,101.20	32.30	35.090	
6,400.00	6,345.70	6,305.04	6,203.14	16.01	17.75	121.94	-889.86	720.03	1,150.45	1,117.57	32.88	34.994	
6,500.00	6,445.51	6,407.43	6,299.19	16.18	18.09	-114.11	-902.39	732.05	1,167.06	1,133.73	33.33	35.018	
6,600.00	6,543.99	6,486.95	6,392.06	16.29	18.35	-97.31	-914.52	743.68	1,183.39	1,149.77	33.63	35.192	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8C-27-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-133.41	-140.98	-149.06	205.17				
100.00	100.00	101.00	101.00	3.28	3.28	-133.41	-140.98	-149.06	205.17	197.64	7.53	27.250	
200.00	200.00	201.00	201.00	3.31	3.31	-133.41	-140.98	-149.06	205.17	197.59	7.57	27.088	CC, ES, SF
300.00	299.98	295.84	295.82	3.35	3.34	154.47	-142.58	-149.18	207.99	200.34	7.65	27.172	
400.00	399.84	390.29	390.15	3.42	3.40	154.12	-147.28	-149.53	216.41	208.64	7.77	27.834	
500.00	499.45	483.84	483.38	3.51	3.47	153.59	-154.99	-150.11	230.39	222.45	7.94	29.014	
600.00	598.71	577.06	575.97	3.63	3.57	152.96	-165.65	-150.91	249.80	241.64	8.16	30.620	
700.00	697.79	674.71	672.85	3.77	3.70	152.51	-177.90	-151.83	271.25	262.84	8.41	32.250	
800.00	796.87	772.36	769.72	3.94	3.86	152.13	-190.16	-152.75	292.72	284.01	8.70	33.629	
900.00	895.96	870.01	866.60	4.14	4.04	151.80	-202.41	-153.68	314.19	305.16	9.03	34.779	
1,000.00	995.04	967.66	963.47	4.35	4.24	151.51	-214.67	-154.60	335.68	326.28	9.40	35.726	
1,100.00	1,094.13	1,065.31	1,060.35	4.58	4.45	151.25	-226.92	-155.52	357.17	347.38	9.79	36.498	
1,200.00	1,193.21	1,162.97	1,157.22	4.82	4.68	151.03	-239.18	-156.44	378.67	368.47	10.20	37.121	
1,300.00	1,292.29	1,260.62	1,254.10	5.07	4.92	150.83	-251.43	-157.36	400.17	389.53	10.64	37.621	
1,400.00	1,391.38	1,358.27	1,350.97	5.33	5.17	150.65	-263.69	-158.28	421.68	410.59	11.09	38.017	
1,500.00	1,490.46	1,455.92	1,447.85	5.61	5.43	150.48	-275.94	-159.21	443.19	431.63	11.56	38.330	
1,600.00	1,589.55	1,553.57	1,544.72	5.88	5.70	150.33	-288.20	-160.13	464.70	452.66	12.05	38.571	
1,700.00	1,688.63	1,651.22	1,641.60	6.17	5.98	150.20	-300.45	-161.05	486.22	473.67	12.55	38.756	
1,800.00	1,787.72	1,748.87	1,738.48	6.46	6.26	150.08	-312.71	-161.97	507.74	494.69	13.05	38.894	
1,900.00	1,886.80	1,846.53	1,835.35	6.62	6.48	149.96	-324.96	-162.89	529.26	516.25	13.01	40.673	
2,000.00	1,985.88	1,944.18	1,932.23	6.65	6.58	149.86	-337.22	-163.81	550.78	537.67	13.12	41.992	
2,100.00	2,084.97	2,041.83	2,029.10	6.69	6.61	149.76	-349.47	-164.73	572.31	559.13	13.18	43.429	
2,200.00	2,184.05	2,139.48	2,125.98	6.75	6.66	149.67	-361.73	-165.66	593.83	580.57	13.27	44.757	
2,300.00	2,283.14	2,237.13	2,222.85	6.82	6.72	149.59	-373.98	-166.58	615.36	601.98	13.39	45.973	
2,400.00	2,382.22	2,334.78	2,319.73	6.91	6.80	149.51	-386.24	-167.50	636.89	623.36	13.53	47.074	
2,500.00	2,481.31	2,432.44	2,416.60	7.01	6.89	149.44	-398.50	-168.42	658.42	644.72	13.70	48.062	
2,600.00	2,580.39	2,530.09	2,513.48	7.12	7.00	149.37	-410.75	-169.34	679.95	666.06	13.89	48.937	
2,700.00	2,679.47	2,627.74	2,610.35	7.25	7.11	149.30	-423.01	-170.26	701.48	687.37	14.11	49.704	
2,800.00	2,778.56	2,725.39	2,707.23	7.38	7.24	149.24	-435.26	-171.19	723.01	708.66	14.35	50.368	
2,900.00	2,877.64	2,823.04	2,804.10	7.53	7.38	149.19	-447.52	-172.11	744.55	729.93	14.62	50.935	
3,000.00	2,976.73	2,920.69	2,900.98	7.68	7.53	149.13	-459.77	-173.03	766.08	751.18	14.90	51.412	
3,100.00	3,075.81	3,018.35	2,997.85	7.85	7.69	149.08	-472.03	-173.95	787.61	772.41	15.20	51.806	
3,200.00	3,174.90	3,116.00	3,094.73	8.02	7.86	149.04	-484.28	-174.87	809.15	793.63	15.52	52.123	
3,300.00	3,273.98	3,213.65	3,191.60	8.21	8.03	148.99	-496.54	-175.79	830.68	814.82	15.86	52.372	
3,400.00	3,373.06	3,311.30	3,288.48	8.40	8.22	148.95	-508.79	-176.71	852.22	836.01	16.21	52.559	
3,500.00	3,472.15	3,408.95	3,385.35	8.59	8.41	148.91	-521.05	-177.64	873.76	857.17	16.58	52.691	
3,600.00	3,571.23	3,506.60	3,482.23	8.80	8.61	148.87	-533.30	-178.56	895.29	878.33	16.96	52.775	
3,700.00	3,670.32	3,604.25	3,579.10	9.01	8.82	148.83	-545.56	-179.48	916.83	899.47	17.36	52.816	
3,800.00	3,769.40	3,701.91	3,675.98	9.23	9.03	148.79	-557.81	-180.40	938.37	920.60	17.77	52.819	
3,900.00	3,868.48	3,800.44	3,772.85	9.45	9.25	148.76	-570.07	-181.32	959.90	941.72	18.19	52.785	
4,000.00	3,967.57	3,902.79	3,869.73	9.67	9.48	148.73	-582.32	-182.24	981.44	962.82	18.62	52.698	
4,100.00	4,066.65	4,005.14	3,966.60	9.91	9.72	148.70	-594.58	-183.17	1,002.98	983.91	19.07	52.588	
4,200.00	4,165.74	4,107.49	4,063.48	10.14	9.97	148.67	-606.83	-184.09	1,024.52	1,004.99	19.53	52.457	
4,300.00	4,264.82	4,209.84	4,160.35	10.38	10.22	148.64	-619.09	-185.01	1,046.06	1,026.06	20.00	52.310	
4,400.00	4,363.91	4,287.82	4,257.23	10.63	10.41	148.61	-631.34	-185.93	1,067.60	1,047.18	20.41	52.295	
4,500.00	4,462.99	4,385.47	4,354.10	10.87	10.66	148.59	-643.60	-186.85	1,089.14	1,068.25	20.89	52.149	
4,600.00	4,562.07	4,483.12	4,450.98	11.12	10.90	148.56	-655.85	-187.77	1,110.68	1,089.31	21.36	51.992	
4,700.00	4,661.16	4,580.77	4,547.85	11.38	11.16	148.54	-668.11	-188.69	1,132.21	1,110.37	21.85	51.827	
4,800.00	4,760.24	4,678.42	4,644.73	11.64	11.41	148.51	-680.36	-189.62	1,153.75	1,131.42	22.34	51.656	
4,900.00	4,859.33	4,776.07	4,741.61	11.90	11.67	148.49	-692.62	-190.54	1,175.29	1,152.46	22.83	51.479	
5,000.00	4,958.41	4,873.73	4,838.48	12.16	11.93	148.47	-704.87	-191.46	1,196.83	1,173.50	23.33	51.299	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27B-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-137.26	-161.02	-148.78	219.23				
100.00	100.00	101.00	101.00	3.28	3.28	-137.26	-161.02	-148.78	219.23	211.70	7.53	29.119	
200.00	200.00	201.00	201.00	3.31	3.31	-137.26	-161.02	-148.78	219.23	211.66	7.57	28.945	CC, ES, SF
300.00	299.98	295.26	295.24	3.35	3.34	150.66	-162.60	-148.88	222.06	214.40	7.65	29.011	
400.00	399.84	389.14	389.00	3.42	3.40	150.44	-167.25	-149.18	230.47	222.70	7.77	29.647	
500.00	499.45	482.15	481.69	3.51	3.47	150.12	-174.88	-149.66	244.42	236.48	7.94	30.792	
600.00	598.71	573.88	572.82	3.63	3.57	149.73	-185.34	-150.33	263.82	255.67	8.15	32.360	
700.00	697.79	665.45	663.41	3.77	3.69	149.30	-198.64	-151.18	286.78	278.39	8.39	34.173	
800.00	796.87	762.53	759.29	3.94	3.86	148.79	-213.81	-152.15	310.62	301.93	8.69	35.753	
900.00	895.96	859.61	855.18	4.14	4.05	148.35	-228.98	-153.11	334.48	325.46	9.02	37.073	
1,000.00	995.04	956.69	951.06	4.35	4.26	147.96	-244.15	-154.08	358.36	348.97	9.39	38.162	
1,100.00	1,094.13	1,053.78	1,046.95	4.58	4.50	147.63	-259.33	-155.05	382.25	372.46	9.79	39.052	
1,200.00	1,193.21	1,150.86	1,142.83	4.82	4.74	147.34	-274.50	-156.02	406.16	395.94	10.21	39.772	
1,300.00	1,292.29	1,247.94	1,238.71	5.07	5.01	147.07	-289.67	-156.99	430.07	419.41	10.66	40.350	
1,400.00	1,391.38	1,345.02	1,334.60	5.33	5.28	146.84	-304.84	-157.95	453.99	442.86	11.12	40.810	
1,500.00	1,490.46	1,442.10	1,430.48	5.61	5.56	146.63	-320.02	-158.92	477.91	466.30	11.61	41.178	
1,600.00	1,589.55	1,539.18	1,526.36	5.88	5.86	146.44	-335.19	-159.89	501.84	489.74	12.10	41.464	
1,700.00	1,688.63	1,636.27	1,622.25	6.17	6.16	146.26	-350.36	-160.86	525.78	513.16	12.61	41.685	
1,800.00	1,787.72	1,733.35	1,718.13	6.46	6.46	146.11	-365.54	-161.83	549.72	536.58	13.13	41.853	
1,900.00	1,886.80	1,830.43	1,814.01	6.62	6.73	145.96	-380.71	-162.79	573.66	560.53	13.12	43.709	
2,000.00	1,985.88	1,927.51	1,909.90	6.65	6.86	145.83	-395.88	-163.76	597.61	584.35	13.25	45.087	
2,100.00	2,084.97	2,024.59	2,005.78	6.69	6.90	145.70	-411.05	-164.73	621.55	608.24	13.32	46.673	
2,200.00	2,184.05	2,121.67	2,101.67	6.75	6.95	145.59	-426.23	-165.70	645.51	632.10	13.41	48.141	
2,300.00	2,283.14	2,218.75	2,197.55	6.82	7.02	145.48	-441.40	-166.67	669.46	655.93	13.53	49.486	
2,400.00	2,382.22	2,315.84	2,293.43	6.91	7.11	145.39	-456.57	-167.63	693.42	679.74	13.68	50.706	
2,500.00	2,481.31	2,412.92	2,389.32	7.01	7.21	145.29	-471.75	-168.60	717.37	703.53	13.85	51.801	
2,600.00	2,580.39	2,510.00	2,485.20	7.12	7.32	145.21	-486.92	-169.57	741.33	727.29	14.05	52.773	
2,700.00	2,679.47	2,607.08	2,581.08	7.25	7.45	145.13	-502.09	-170.54	765.29	751.02	14.27	53.627	
2,800.00	2,778.56	2,704.16	2,676.97	7.38	7.58	145.05	-517.26	-171.51	789.26	774.74	14.52	54.367	
2,900.00	2,877.64	2,801.24	2,772.85	7.53	7.73	144.98	-532.44	-172.47	813.22	798.43	14.79	55.001	
3,000.00	2,976.73	2,898.32	2,868.73	7.68	7.90	144.91	-547.61	-173.44	837.19	822.11	15.07	55.535	
3,100.00	3,075.81	3,004.59	2,964.62	7.85	8.08	144.85	-562.78	-174.41	861.15	845.75	15.40	55.923	
3,200.00	3,174.90	3,107.51	3,060.50	8.02	8.28	144.79	-577.95	-175.38	885.12	869.38	15.74	56.244	
3,300.00	3,273.98	3,189.57	3,156.38	8.21	8.44	144.73	-593.13	-176.35	909.08	893.03	16.06	56.621	
3,400.00	3,373.06	3,286.65	3,252.27	8.40	8.63	144.68	-608.30	-177.31	933.05	916.64	16.42	56.837	
3,500.00	3,472.15	3,383.73	3,348.15	8.59	8.84	144.63	-623.47	-178.28	957.02	940.23	16.79	56.994	
3,600.00	3,571.23	3,480.81	3,444.04	8.80	9.05	144.58	-638.65	-179.25	980.99	963.81	17.18	57.096	
3,700.00	3,670.32	3,577.89	3,539.92	9.01	9.27	144.53	-653.82	-180.22	1,004.96	987.38	17.58	57.152	
3,800.00	3,769.40	3,674.98	3,635.80	9.23	9.50	144.49	-668.99	-181.19	1,028.93	1,010.93	18.00	57.167	
3,900.00	3,868.48	3,772.06	3,731.69	9.45	9.73	144.45	-684.16	-182.15	1,052.90	1,034.48	18.42	57.146	
4,000.00	3,967.57	3,869.14	3,827.57	9.67	9.97	144.40	-699.34	-183.12	1,076.88	1,058.01	18.86	57.094	
4,100.00	4,066.65	3,966.22	3,923.45	9.91	10.21	144.37	-714.51	-184.09	1,100.85	1,081.54	19.31	57.016	
4,200.00	4,165.74	4,063.30	4,019.34	10.14	10.46	144.33	-729.68	-185.06	1,124.82	1,105.06	19.76	56.915	
4,300.00	4,264.82	4,160.38	4,115.22	10.38	10.71	144.29	-744.86	-186.02	1,148.79	1,128.57	20.23	56.794	
4,400.00	4,363.91	4,257.47	4,211.10	10.63	10.97	144.26	-760.03	-186.99	1,172.77	1,152.07	20.70	56.657	
4,500.00	4,462.99	4,354.55	4,306.99	10.87	11.23	144.23	-775.20	-187.96	1,196.74	1,175.56	21.18	56.507	

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Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-29 SANFORD 21-29 PAD - SANFORD 8N-27C-XR - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-SRC Energy_ISCWSA REV 2 MWD+IFR1, 1800-SRC Energy_ISCWSA REV 2 MWD+IFR1+MSA

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	3.28	3.28	-140.59	-181.05	-148.78	234.34				
100.00	100.00	101.00	101.00	3.28	3.28	-140.59	-181.05	-148.78	234.34	226.81	7.53	31.125	
200.00	200.00	201.00	201.00	3.31	3.31	-140.59	-181.05	-148.78	234.34	226.77	7.57	30.939	CC, ES, SF
300.00	299.98	294.68	294.66	3.35	3.34	147.37	-182.62	-148.86	237.16	229.50	7.65	30.984	
400.00	399.84	387.99	387.86	3.42	3.40	147.26	-187.21	-149.11	245.53	237.76	7.77	31.589	
500.00	499.45	480.45	480.00	3.51	3.47	147.08	-194.75	-149.52	259.42	251.49	7.94	32.691	
600.00	598.71	571.66	570.62	3.63	3.57	146.88	-205.09	-150.08	278.73	270.58	8.15	34.206	
700.00	697.79	661.64	659.64	3.77	3.69	146.67	-218.11	-150.79	301.65	293.26	8.38	35.976	
800.00	796.87	751.86	748.46	3.94	3.85	146.19	-233.92	-151.64	326.98	318.32	8.66	37.756	
900.00	895.96	848.31	843.24	4.14	4.05	145.65	-251.80	-152.61	353.18	344.18	9.00	39.254	
1,000.00	995.04	944.77	938.02	4.35	4.27	145.18	-269.68	-153.58	379.40	370.03	9.37	40.492	
1,100.00	1,094.13	1,041.23	1,032.80	4.58	4.52	144.78	-287.57	-154.55	405.64	395.86	9.77	41.504	
1,200.00	1,193.21	1,137.69	1,127.58	4.82	4.79	144.42	-305.45	-155.52	431.89	421.69	10.20	42.324	
1,300.00	1,292.29	1,234.15	1,222.37	5.07	5.07	144.11	-323.33	-156.48	458.16	447.50	10.66	42.983	
1,400.00	1,391.38	1,330.61	1,317.15	5.33	5.37	143.83	-341.21	-157.45	484.45	473.31	11.13	43.508	
1,500.00	1,490.46	1,427.07	1,411.93	5.61	5.67	143.58	-359.10	-158.42	510.74	499.11	11.63	43.932	
1,600.00	1,589.55	1,523.53	1,506.71	5.88	5.99	143.35	-376.98	-159.39	537.04	524.90	12.13	44.261	
1,700.00	1,688.63	1,619.99	1,601.49	6.17	6.31	143.15	-394.86	-160.36	563.34	550.69	12.65	44.517	
1,800.00	1,787.72	1,716.44	1,696.28	6.46	6.65	142.96	-412.75	-161.33	589.66	576.47	13.19	44.715	
1,900.00	1,886.80	1,812.90	1,791.06	6.62	6.96	142.79	-430.63	-162.30	615.97	602.59	13.38	46.023	
2,000.00	1,985.88	1,909.36	1,885.84	6.65	7.15	142.63	-448.51	-163.26	642.30	628.91	13.38	47.991	
2,100.00	2,084.97	2,005.82	1,980.62	6.69	7.18	142.48	-466.40	-164.23	668.62	655.19	13.43	49.770	
2,200.00	2,184.05	2,102.28	2,075.40	6.75	7.24	142.35	-484.28	-165.20	694.95	681.43	13.53	51.378	
2,300.00	2,283.14	2,201.26	2,170.18	6.82	7.32	142.23	-502.16	-166.17	721.29	707.64	13.65	52.845	
2,400.00	2,382.22	2,304.80	2,264.97	6.91	7.42	142.11	-520.04	-167.14	747.63	733.82	13.81	54.156	
2,500.00	2,481.31	2,408.34	2,359.75	7.01	7.54	142.00	-537.93	-168.11	773.96	759.97	13.99	55.323	
2,600.00	2,580.39	2,488.12	2,454.53	7.12	7.64	141.90	-555.81	-169.08	800.31	786.13	14.18	56.453	
2,700.00	2,679.47	2,584.57	2,549.31	7.25	7.77	141.81	-573.69	-170.05	826.65	812.25	14.40	57.390	
2,800.00	2,778.56	2,681.03	2,644.09	7.38	7.92	141.72	-591.58	-171.01	853.00	838.34	14.66	58.204	
2,900.00	2,877.64	2,777.49	2,738.88	7.53	8.08	141.64	-609.46	-171.98	879.34	864.42	14.93	58.902	
3,000.00	2,976.73	2,873.95	2,833.66	7.68	8.25	141.56	-627.34	-172.95	905.69	890.47	15.22	59.492	
3,100.00	3,075.81	2,970.41	2,928.44	7.85	8.44	141.48	-645.23	-173.92	932.05	916.51	15.54	59.982	
3,200.00	3,174.90	3,066.87	3,023.22	8.02	8.63	141.41	-663.11	-174.89	958.40	942.53	15.87	60.382	
3,300.00	3,273.98	3,163.33	3,118.00	8.21	8.83	141.35	-680.99	-175.86	984.75	968.53	16.22	60.700	
3,400.00	3,373.06	3,259.79	3,212.78	8.40	9.04	141.29	-698.87	-176.83	1,011.11	994.51	16.59	60.943	
3,500.00	3,472.15	3,356.25	3,307.57	8.59	9.26	141.23	-716.76	-177.79	1,037.46	1,020.49	16.97	61.122	
3,600.00	3,571.23	3,452.71	3,402.35	8.80	9.49	141.17	-734.64	-178.76	1,063.82	1,046.45	17.37	61.242	
3,700.00	3,670.32	3,549.16	3,497.13	9.01	9.73	141.12	-752.52	-179.73	1,090.18	1,072.39	17.78	61.311	
3,800.00	3,769.40	3,645.62	3,591.91	9.23	9.97	141.06	-770.41	-180.70	1,116.53	1,098.33	18.20	61.335	
3,900.00	3,868.48	3,742.08	3,686.69	9.45	10.21	141.02	-788.29	-181.67	1,142.89	1,124.26	18.64	61.320	
4,000.00	3,967.57	3,838.54	3,781.47	9.67	10.47	140.97	-806.17	-182.64	1,169.25	1,150.17	19.08	61.272	
4,100.00	4,066.65	3,935.00	3,876.26	9.91	10.73	140.92	-824.06	-183.61	1,195.61	1,176.08	19.54	61.194	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-30 Offsets Incomplete - HOMYAK 1 - XOG PR Well - No Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,900.00	7,042.61	7,104.61	7,104.61	65.56	249.98	-89.16	-33.85	-4,434.91	1,162.00	886.07	275.94	4.211	
11,000.00	7,043.03	7,105.03	7,105.03	67.17	250.00	-89.24	-33.85	-4,434.91	1,066.32	788.72	277.60	3.841	
11,100.00	7,043.45	7,105.45	7,105.45	68.79	250.01	-89.31	-33.85	-4,434.91	971.50	691.87	279.63	3.474	
11,200.00	7,043.87	7,105.87	7,105.87	70.41	250.03	-89.39	-33.85	-4,434.91	877.84	595.69	282.14	3.111	
11,300.00	7,044.30	7,106.30	7,106.30	72.04	250.04	-89.46	-33.85	-4,434.91	785.74	500.44	285.29	2.754	
11,400.00	7,044.72	7,106.72	7,106.72	73.67	250.06	-89.54	-33.85	-4,434.91	695.82	406.53	289.29	2.405	
11,500.00	7,045.14	7,107.14	7,107.14	75.29	250.07	-89.61	-33.85	-4,434.91	609.06	314.66	294.40	2.069	
11,600.00	7,045.56	7,107.56	7,107.56	76.92	250.09	-89.69	-33.85	-4,434.91	527.00	226.06	300.95	1.751	
11,700.00	7,045.99	7,107.99	7,107.99	78.56	250.10	-89.76	-33.85	-4,434.91	452.23	143.05	309.19	1.463	Level 3
11,800.00	7,046.41	7,108.41	7,108.41	80.19	250.12	-89.84	-33.85	-4,434.91	388.97	70.07	318.90	1.220	Level 2
11,900.00	7,046.83	7,108.83	7,108.83	81.82	250.13	-89.91	-33.85	-4,434.91	343.63	15.17	328.46	1.046	Level 2
12,000.00	7,047.25	7,109.25	7,109.25	83.46	250.15	-89.99	-33.85	-4,434.91	323.82	-10.33	334.15	0.969	Level 1
12,016.09	7,047.32	7,109.32	7,109.32	83.72	250.15	-90.00	-33.85	-4,434.91	323.42	-11.02	334.44	0.967	Level 1, CC, ES, SF
12,100.00	7,047.68	7,109.68	7,109.68	85.10	250.16	-90.06	-33.85	-4,434.91	334.13	1.29	332.84	1.004	Level 2
12,200.00	7,048.10	7,110.10	7,110.10	86.74	250.18	-90.14	-33.85	-4,434.91	372.05	46.15	325.91	1.142	Level 2
12,300.00	7,048.52	7,110.52	7,110.52	88.38	250.19	-90.21	-33.85	-4,434.91	430.35	113.13	317.22	1.357	Level 3
12,400.00	7,048.94	7,110.94	7,110.94	90.02	250.21	-90.29	-33.85	-4,434.91	501.98	192.74	309.24	1.623	
12,500.00	7,049.37	7,111.37	7,111.37	91.66	250.22	-90.36	-33.85	-4,434.91	582.04	279.36	302.68	1.923	
12,600.00	7,049.79	7,111.79	7,111.79	93.31	250.24	-90.44	-33.85	-4,434.91	667.49	370.02	297.47	2.244	
12,700.00	7,050.21	7,112.21	7,112.21	94.95	250.25	-90.51	-33.85	-4,434.91	756.52	463.15	293.37	2.579	
12,800.00	7,050.63	7,112.63	7,112.63	96.60	250.27	-90.59	-33.85	-4,434.91	848.00	557.87	290.13	2.923	
12,900.00	7,051.06	7,113.06	7,113.06	98.24	250.28	-90.66	-33.85	-4,434.91	941.21	653.67	287.54	3.273	
13,000.00	7,051.48	7,113.48	7,113.48	99.89	250.30	-90.74	-33.85	-4,434.91	1,035.69	750.24	285.45	3.628	
13,100.00	7,051.90	7,113.90	7,113.90	101.54	250.31	-90.81	-33.85	-4,434.91	1,131.12	847.36	283.76	3.986	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-30 Offsets Incomplete - LUNDVALL 4 - Noble PR Well - No Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,200.00	7,048.10	7,134.10	7,134.10	86.74	251.03	-89.07	1.39	-5,737.95	1,156.35	875.79	280.56	4.122	
12,300.00	7,048.52	7,134.52	7,134.52	88.38	251.04	-89.15	1.39	-5,737.95	1,059.87	777.31	282.55	3.751	
12,400.00	7,048.94	7,134.94	7,134.94	90.02	251.06	-89.23	1.39	-5,737.95	964.09	679.11	284.98	3.383	
12,500.00	7,049.37	7,135.37	7,135.37	91.66	251.07	-89.32	1.39	-5,737.95	869.27	581.28	287.99	3.018	
12,600.00	7,049.79	7,135.79	7,135.79	93.31	251.09	-89.40	1.39	-5,737.95	775.75	483.98	291.77	2.659	
12,700.00	7,050.21	7,136.21	7,136.21	94.95	251.10	-89.48	1.39	-5,737.95	684.07	387.48	296.59	2.306	
12,800.00	7,050.63	7,136.63	7,136.63	96.60	251.12	-89.57	1.39	-5,737.95	595.07	292.26	302.81	1.965	
12,900.00	7,051.06	7,137.06	7,137.06	98.24	251.13	-89.65	1.39	-5,737.95	510.16	199.22	310.94	1.641	
13,000.00	7,051.48	7,137.48	7,137.48	99.89	251.15	-89.73	1.39	-5,737.95	431.77	110.28	321.49	1.343	Level 3
13,100.00	7,051.90	7,137.90	7,137.90	101.54	251.16	-89.82	1.39	-5,737.95	364.12	29.61	334.51	1.089	Level 2
13,200.00	7,052.32	7,138.32	7,138.32	103.19	251.18	-89.90	1.39	-5,737.95	314.23	-33.84	348.07	0.903	Level 1
13,300.00	7,052.75	7,138.75	7,138.75	104.84	251.19	-89.98	1.39	-5,737.95	291.37	-65.11	356.48	0.817	Level 1
13,319.22	7,052.83	7,138.83	7,138.83	105.15	251.20	-90.00	1.39	-5,737.95	290.73	-66.19	356.92	0.815	Level 1, CC, ES, SF
13,400.00	7,053.17	7,139.17	7,139.17	106.49	251.21	-90.07	1.39	-5,737.95	301.75	-52.34	354.09	0.852	Level 1
13,500.00	7,053.59	7,139.59	7,139.59	108.14	251.22	-90.15	1.39	-5,737.95	342.36	-1.02	343.37	0.997	Level 1
13,600.00	7,054.01	7,140.01	7,140.01	109.79	251.24	-90.23	1.39	-5,737.95	404.18	73.33	330.85	1.222	Level 2
13,700.00	7,054.44	7,140.44	7,140.44	111.44	251.25	-90.32	1.39	-5,737.95	479.08	159.09	319.99	1.497	Level 3
13,800.00	7,054.86	7,140.86	7,140.86	113.09	251.27	-90.40	1.39	-5,737.95	561.85	250.42	311.42	1.804	
13,900.00	7,055.28	7,141.28	7,141.28	114.75	251.28	-90.48	1.39	-5,737.95	649.48	344.65	304.83	2.131	
14,000.00	7,055.70	7,141.70	7,141.70	116.40	251.30	-90.57	1.39	-5,737.95	740.26	440.52	299.74	2.470	
14,100.00	7,056.13	7,142.13	7,142.13	118.06	251.31	-90.65	1.39	-5,737.95	833.15	537.37	295.77	2.817	
14,200.00	7,056.55	7,142.55	7,142.55	119.71	251.33	-90.73	1.39	-5,737.95	927.52	634.87	292.64	3.169	
14,300.00	7,056.97	7,142.97	7,142.97	121.37	251.34	-90.82	1.39	-5,737.95	1,022.96	732.81	290.14	3.526	
14,400.00	7,057.39	7,143.39	7,143.39	123.02	251.36	-90.90	1.39	-5,737.95	1,119.19	831.07	288.12	3.884	

Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design 5N-66W-30 Offsets Incomplete - LUNDVALL J 30-19 - Noble PR Well - Actual Ensign Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-SRC Energy_2° CONE_2.448, 1023-SRC Energy_ISCWSA REV 2 MWD

Offset Well Error: 3.28 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,300.00	7,052.75	7,257.88	7,147.17	104.84	42.77	-89.27	-682.60	-6,401.58	1,190.45	1,064.36	126.09	9.441	
13,400.00	7,053.17	7,259.30	7,148.59	106.49	42.77	-89.35	-682.61	-6,401.60	1,136.17	1,004.68	131.49	8.641	
13,500.00	7,053.59	7,260.73	7,150.02	108.14	42.78	-89.44	-682.61	-6,401.61	1,088.38	951.46	136.93	7.949	
13,600.00	7,054.01	7,262.15	7,151.44	109.79	42.78	-89.52	-682.61	-6,401.62	1,047.99	905.77	142.22	7.369	
13,700.00	7,054.44	7,263.57	7,152.86	111.44	42.78	-89.60	-682.62	-6,401.64	1,015.86	868.72	147.14	6.904	
13,800.00	7,054.86	7,265.00	7,154.29	113.09	42.78	-89.69	-682.62	-6,401.65	992.80	841.36	151.45	6.555	
13,900.00	7,055.28	7,266.42	7,155.71	114.75	42.78	-89.77	-682.62	-6,401.67	979.46	824.59	154.88	6.324	
13,981.60	7,055.63	7,267.58	7,156.87	116.10	42.78	-89.84	-682.63	-6,401.68	976.06	819.17	156.89	6.221	CC
14,000.00	7,055.70	7,267.84	7,157.13	116.40	42.78	-89.85	-682.63	-6,401.68	976.23	819.00	157.23	6.209	ES
14,100.00	7,056.13	7,269.26	7,158.55	118.06	42.78	-89.94	-682.63	-6,401.70	983.21	824.80	158.41	6.207	SF
14,200.00	7,056.55	7,270.68	7,159.97	119.71	42.79	-90.02	-682.64	-6,401.71	1,000.19	841.79	158.40	6.314	
14,300.00	7,056.97	7,272.10	7,161.39	121.37	42.79	-90.10	-682.64	-6,401.72	1,026.67	869.36	157.31	6.526	
14,400.00	7,057.39	7,273.52	7,162.81	123.02	42.79	-90.19	-682.64	-6,401.74	1,061.94	906.62	155.32	6.837	
14,500.00	7,057.82	7,274.95	7,164.24	124.68	42.79	-90.27	-682.65	-6,401.75	1,105.16	952.51	152.65	7.240	
14,600.00	7,058.24	7,276.39	7,165.68	126.33	42.79	-90.36	-682.65	-6,401.77	1,155.44	1,005.93	149.51	7.728	

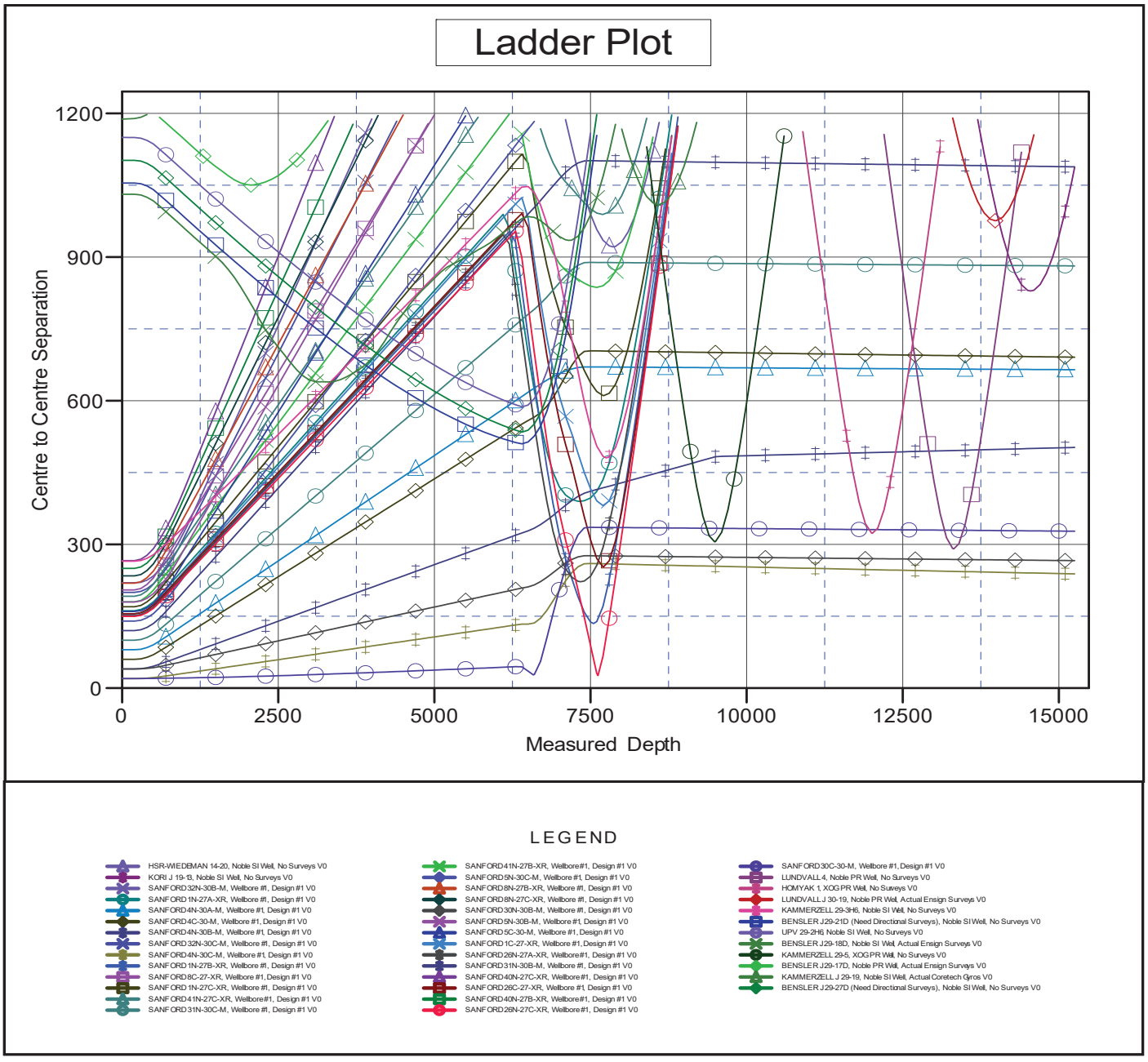
Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB = 4' @ 4908.00usft (RIG)
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000

Coordinates are relative to: SANFORD 30N-30A-M
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.45°



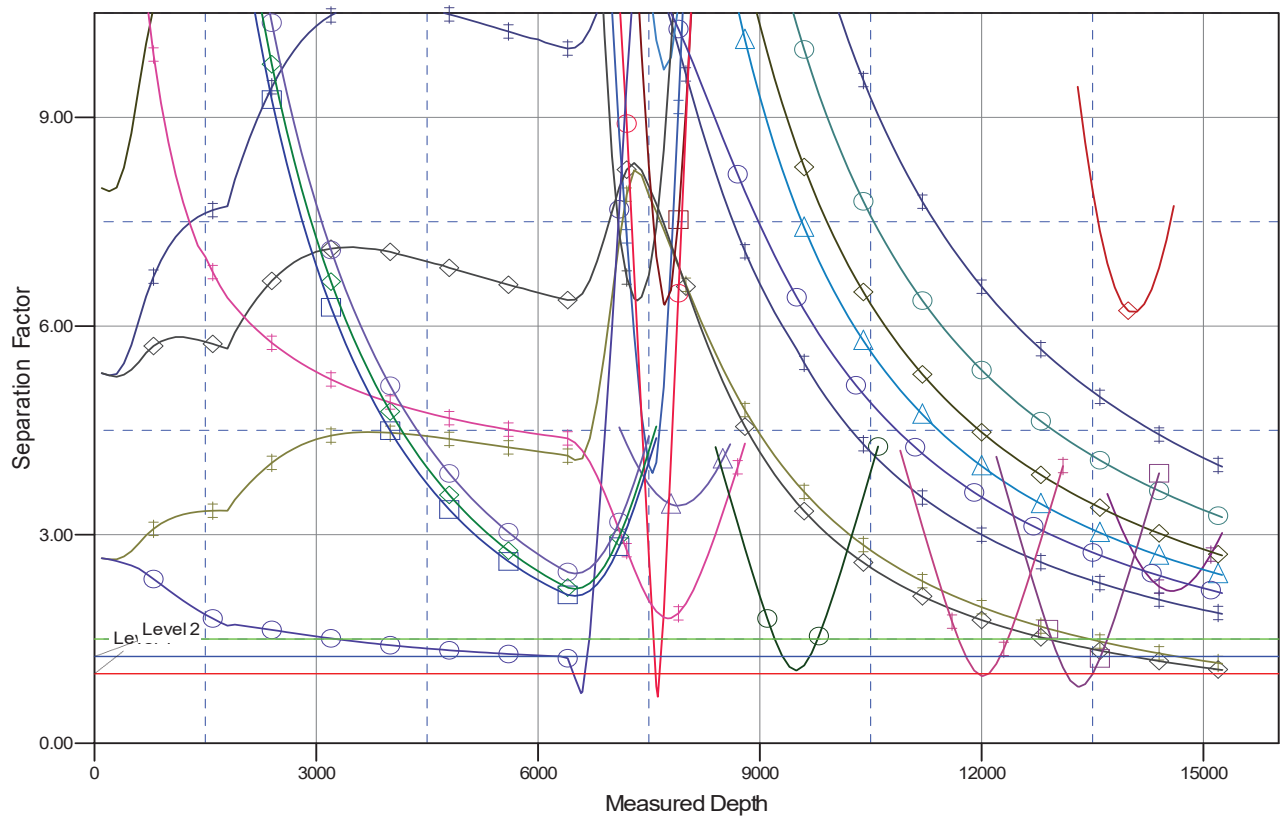
Hewlett-Packard

Anticollision Report

Company:	SRC ENERGY	**Local Co-ordinate Reference:**	Well SANFORD 30N-30A-M
Project:	WELD COUNTY (NAD83, TRUE NORTH)	**TVD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Reference Site:	5N-66W-29 SANFORD 21-29 PAD	**MD Reference:**	RKB = 4' @ 4908.00usft (RIG)
Site Error:	0.00 usft	**North Reference:**	True
Reference Well:	SANFORD 30N-30A-M	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.28 usft	**Output errors are at**	2.45 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Single User Db
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB = 4' @ 4908.00usft (RIG)	Coordinates are relative to: SANFORD 30N-30A-M
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000	Grid Convergence at Surface is: 0.45°

Separation Factor Plot



LEGEND

HSR-WIEDEMAN 14-20, Noble SI Well, No Surveys V0
KORI J 19-13, Noble SI Well, No Surveys V0
SANFORD32N-30B-M, Wellbore #1, Design #1 V0
SANFORD 1N-27A-XR, Wellbore #1, Design #1 V0
SANFORD4N-30A-M, Wellbore #1, Design #1 V0
SANFORD 4C-30-M, Wellbore #1, Design #1 V0
SANFORD4N-30B-M, Wellbore #1, Design #1 V0
SANFORD32N-30C-M, Wellbore #1, Design #1 V0
SANFORD4N-30C-M, Wellbore #1, Design #1 V0
SANFORD 1N-27B-XR, Wellbore #1, Design #1 V0
SANFORD8C-27-XR, Wellbore #1, Design #1 V0
SANFORD 1N-27C-XR, Wellbore #1, Design #1 V0
SANFORD41N-27C-XR, Wellbore#1, Design #1 V0
SANFORD31N-30C-M, Wellbore #1, Design #1 V0
SANFORD41N-27B-XR, Wellbore#1, Design #1 V0
SANFORD 5N-30C-M, Wellbore #1, Design #1 V0
SANFORD8N-27B-XR, Wellbore #1, Design #1 V0
SANFORD 8N-27C-XR, Wellbore #1, Design #1 V0
SANFORD30N-30B-M, Wellbore #1, Design #1 V0
SANFORD 5N-30B-M, Wellbore #1, Design #1 V0
SANFORD 5C-30-M, Wellbore #1, Design #1 V0
SANFORD 1C-27-XR, Wellbore #1, Design #1 V0
SANFORD 26N-27A-XR, Wellbore#1, Design #1 V0
SANFORD 31N-30B-M, Wellbore #1, Design #1 V0
SANFORD 40N-27C-XR, Wellbore#1, Design #1 V0
SANFORD 26C-27-XR, Wellbore #1, Design #1 V0
SANFORD40N-27B-XR, Wellbore#1, Design #1 V0
SANFORD 26N-27C-XR, Wellbore#1, Design #1 V0
SANFORD30C-30-M, Wellbore #1, Design #1 V0
LUNDVALL 4, Noble PR Well, No Surveys V0
HOMYAK 1, XOG PR Well, No Surveys V0
LUNDVALL J 30-19, Noble PR Well, Actual Ensign Surveys V0
KAMMERZELL 29-3H6, Noble SI Well, No Surveys V0
BENSLER J29-21D (Need Directional Surveys), Noble SI Well, No Surveys V0
UPV 29-2H6 Noble SI Well, No Surveys V0
BENSLER J29-18D, Noble SI Well, Actual Ensign Surveys V0
KAMMERZELL 29-5, XOG PR Well, No Surveys V0
BENSLER J29-17D, Noble PR Well, Actual Ensign Surveys V0
KAMMERZELL J 29-19, Noble SI Well, Actual Coretech Gyros V0
BENSLER J29-27D (Need Directional Surveys), Noble SI Well, No Surveys V0