




LEGEND

-  Meyer-4, Wellbore #1, Plan #3 (9-13-09) V0
-  Wellbore #1
-  Survey #1

Final Survey Plot

Projected Final Survey -
8410'MD & 8006'TVD @ 2048' VS
1.0 deg Inc 148.0 deg AZ

Project: SEC.21-T5N-R66W
Site: Meyer Pad Sec.21-T5N-R66W
Well: Meyer-4
Plan: Wellbore #1



Synergy Resources

SEC.21-T5N-R66W

Meyer Pad Sec.21-T5N-R66W

Meyer-4

Wellbore #1

Survey: Survey #1

Standard Survey Report

30 September, 2009

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Meyer-4
Project:	SEC.21-T5N-R66W	TVD Reference:	WELL @ 4938.0ft (Original Well Elev)
Site:	Meyer Pad Sec.21-T5N-R66W	MD Reference:	WELL @ 4938.0ft (Original Well Elev)
Well:	Meyer-4	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM den0-adp01 Server Data

Project	SEC.21-T5N-R66W, Weld County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site		Meyer Pad Sec.21-T5N-R66W			
Site Position:		Northing:	1,385,688.91 ft	Latitude:	40° 23' 23.856 N
From:	Lat/Long	Easting:	3,197,056.46 ft	Longitude:	104° 47' 33.216 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.46 °

Well	Meyer-4					
Well Position	+N/-S	0.0 ft	Northing:	1,385,670.35 ft	Latitude:	40° 23' 23.676 N
	+E/-W	0.0 ft	Easting:	3,197,014.82 ft	Longitude:	104° 47' 33.756 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,925.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	7/18/2008	9.24	67.14	53,445
	IGRF200510	8/19/2009	9.09	67.11	53,333

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	148.86	

Survey Program		Date	9/30/2009		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
138.0	8,410.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Survey	Wellbore Data									
	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Main Survey	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	138.0	0.90	200.60	138.0	-1.0	-0.4	0.7	0.65	0.65	0.00
	231.0	1.90	195.00	231.0	-3.2	-1.0	2.2	1.08	1.08	-6.02
	325.0	3.70	174.60	324.9	-7.7	-1.2	6.0	2.16	1.91	-21.70
	398.0	6.00	165.30	397.6	-13.7	0.0	11.8	3.32	3.15	-12.74
	475.0	7.90	164.00	474.0	-22.7	2.5	20.8	2.48	2.47	-1.69
	566.0	9.70	155.30	563.9	-35.7	7.4	34.4	2.45	1.98	-9.56
	653.0	10.30	150.60	649.6	-49.1	14.3	49.5	1.16	0.69	-5.40
	740.0	12.40	148.20	734.9	-63.9	23.1	66.6	2.47	2.41	-2.76
	827.0	14.40	148.50	819.5	-81.0	33.6	86.7	2.30	2.30	0.34
	915.0	16.40	149.30	904.4	-101.0	45.7	110.1	2.29	2.27	0.91
	1,002.0	17.30	147.30	987.6	-122.5	59.0	135.3	1.23	1.03	-2.30

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Meyer-4
Project:	SEC.21-T5N-R66W	TVD Reference:	WELL @ 4938.0ft (Original Well Elev)
Site:	Meyer Pad Sec.21-T5N-R66W	MD Reference:	WELL @ 4938.0ft (Original Well Elev)
Well:	Meyer-4	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM den0-adp01 Server Data

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
1,089.0	18.40	149.40	1,070.5	-145.2	72.9	162.0	1.46	1.26	2.41	
1,177.0	20.00	147.50	1,153.6	-169.8	88.1	190.9	1.95	1.82	-2.16	
1,264.0	21.10	147.70	1,235.0	-195.6	104.5	221.5	1.27	1.26	0.23	
1,351.0	22.90	149.00	1,315.7	-223.4	121.5	254.0	2.14	2.07	1.49	
1,439.0	24.10	149.30	1,396.4	-253.5	139.5	289.1	1.37	1.36	0.34	
1,526.0	24.40	150.20	1,475.7	-284.4	157.5	324.9	0.55	0.34	1.03	
1,613.0	23.90	149.70	1,555.1	-315.2	175.4	360.4	0.62	-0.57	-0.57	
1,700.0	22.80	149.50	1,635.0	-344.9	192.8	394.9	1.27	-1.26	-0.23	
1,788.0	23.10	148.90	1,716.0	-374.4	210.4	429.2	0.43	0.34	-0.68	
1,875.0	23.30	146.40	1,796.0	-403.3	228.7	463.5	1.16	0.23	-2.87	
1,962.0	23.00	147.60	1,876.0	-432.0	247.3	497.7	0.64	-0.34	1.38	
2,050.0	22.80	145.60	1,957.0	-460.6	266.2	531.9	0.91	-0.23	-2.27	
2,137.0	22.90	146.50	2,037.2	-488.6	285.1	565.6	0.42	0.11	1.03	
2,224.0	22.90	147.70	2,117.3	-517.0	303.4	599.5	0.54	0.00	1.38	
2,312.0	22.90	148.50	2,198.4	-546.1	321.5	633.7	0.35	0.00	0.91	
2,399.0	22.80	149.30	2,278.6	-575.0	339.0	667.5	0.38	-0.11	0.92	
2,486.0	22.20	146.80	2,359.0	-603.3	356.6	700.8	1.30	-0.69	-2.87	
2,573.0	21.20	149.20	2,439.8	-630.6	373.7	732.9	1.54	-1.15	2.76	
2,661.0	22.50	152.00	2,521.5	-659.1	389.7	765.7	1.89	1.48	3.18	
2,748.0	24.30	148.80	2,601.3	-689.1	406.8	800.2	2.53	2.07	-3.68	
2,835.0	24.00	146.40	2,680.7	-719.2	425.9	835.8	1.18	-0.34	-2.76	
2,923.0	26.70	148.00	2,760.2	-750.8	446.2	873.4	3.17	3.07	1.82	
3,010.0	27.90	148.60	2,837.5	-784.8	467.2	913.3	1.42	1.38	0.69	
3,097.0	29.00	148.70	2,914.0	-820.2	488.8	954.8	1.27	1.26	0.11	
3,185.0	27.00	149.80	2,991.7	-855.7	509.9	996.1	2.35	-2.27	1.25	
3,272.0	27.40	149.80	3,069.1	-890.1	529.9	1,035.8	0.46	0.46	0.00	
3,359.0	26.80	149.50	3,146.6	-924.3	549.9	1,075.5	0.71	-0.69	-0.34	
3,446.0	25.00	148.30	3,224.8	-956.8	569.5	1,113.5	2.15	-2.07	-1.38	
3,534.0	24.30	147.40	3,304.8	-987.9	589.1	1,150.2	0.90	-0.80	-1.02	
3,621.0	25.10	148.80	3,383.8	-1,018.7	608.3	1,186.5	1.14	0.92	1.61	
3,708.0	23.10	149.50	3,463.2	-1,049.2	626.5	1,222.0	2.32	-2.30	0.80	
3,796.0	23.00	148.00	3,544.2	-1,078.7	644.4	1,256.5	0.68	-0.11	-1.70	
3,883.0	23.00	143.50	3,624.3	-1,106.8	663.5	1,290.4	2.02	0.00	-5.17	
3,970.0	23.10	146.10	3,704.4	-1,134.6	683.1	1,324.4	1.18	0.11	2.99	
4,058.0	22.90	148.00	3,785.4	-1,163.4	701.8	1,358.7	0.87	-0.23	2.16	
4,145.0	26.20	148.70	3,864.5	-1,194.2	720.8	1,394.9	3.81	3.79	0.80	
4,232.0	26.60	148.00	3,942.4	-1,227.1	741.1	1,433.6	0.58	0.46	-0.80	
4,319.0	27.40	147.90	4,019.9	-1,260.6	762.0	1,473.0	0.92	0.92	-0.11	
4,407.0	27.60	147.30	4,098.0	-1,294.9	783.8	1,513.7	0.39	0.23	-0.68	
4,494.0	27.60	148.00	4,175.1	-1,329.0	805.4	1,554.0	0.37	0.00	0.80	
4,581.0	25.70	146.20	4,252.9	-1,361.7	826.6	1,593.0	2.37	-2.18	-2.07	
4,669.0	27.30	148.60	4,331.6	-1,394.8	847.7	1,632.2	2.19	1.82	2.73	
4,756.0	26.80	149.30	4,409.1	-1,428.7	868.1	1,671.8	0.68	-0.57	0.80	
4,843.0	24.20	147.80	4,487.6	-1,460.7	887.6	1,709.2	3.08	-2.99	-1.72	
4,931.0	24.40	147.20	4,567.8	-1,491.2	907.1	1,745.4	0.36	0.23	-0.68	
5,018.0	23.50	146.60	4,647.3	-1,520.8	926.4	1,780.7	1.07	-1.03	-0.69	
5,105.0	22.00	147.60	4,727.6	-1,549.1	944.6	1,814.3	1.78	-1.72	1.15	
5,192.0	19.70	148.00	4,808.8	-1,575.3	961.1	1,845.3	2.65	-2.64	0.46	
5,280.0	17.50	148.70	4,892.2	-1,599.1	975.9	1,873.4	2.51	-2.50	0.80	
5,367.0	16.10	149.50	4,975.5	-1,620.7	988.8	1,898.5	1.63	-1.61	0.92	
5,454.0	15.40	149.90	5,059.3	-1,641.1	1,000.7	1,922.1	0.81	-0.80	0.46	
5,542.0	14.20	151.80	5,144.3	-1,660.7	1,011.7	1,944.6	1.47	-1.36	2.16	
5,629.0	11.30	147.10	5,229.2	-1,677.3	1,021.3	1,963.8	3.54	-3.33	-5.40	
5,716.0	9.50	148.70	5,314.8	-1,690.6	1,029.7	1,979.5	2.10	-2.07	1.84	

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Well:	Meyer-4	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM den0-adp01 Server Data

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,804.0	7.80	148.90	5,401.8	-1,701.9	1,036.6	1,992.7	1.93	-1.93	0.23
5,891.0	6.60	144.10	5,488.1	-1,711.0	1,042.5	2,003.6	1.54	-1.38	-5.52
5,978.0	4.80	142.20	5,574.6	-1,717.9	1,047.7	2,012.2	2.08	-2.07	-2.18
6,065.0	2.90	153.50	5,661.4	-1,722.8	1,050.9	2,018.0	2.34	-2.18	12.99
6,153.0	2.50	143.50	5,749.3	-1,726.3	1,053.1	2,022.1	0.70	-0.45	-11.36
6,240.0	2.30	143.30	5,836.3	-1,729.2	1,055.2	2,025.8	0.23	-0.23	-0.23
6,327.0	0.20	105.00	5,923.2	-1,730.7	1,056.4	2,027.6	2.47	-2.41	-44.02
6,415.0	0.40	147.90	6,011.2	-1,731.0	1,056.7	2,028.0	0.33	0.23	48.75
6,546.0	0.40	152.70	6,142.2	-1,731.8	1,057.2	2,028.9	0.03	0.00	3.66
6,603.6	0.38	182.28	6,199.8	-1,732.1	1,057.3	2,029.3	0.35	-0.03	51.36
DRILL TARGET BHL 2578'FNL, 1450'FWL									
6,677.0	0.50	212.50	6,273.2	-1,732.7	1,057.1	2,029.6	0.35	0.16	41.17
6,808.0	1.00	193.40	6,404.2	-1,734.3	1,056.5	2,030.7	0.42	0.38	-14.58
6,938.0	0.80	202.40	6,534.2	-1,736.2	1,055.9	2,032.1	0.19	-0.15	6.92
7,069.0	1.00	195.10	6,665.2	-1,738.1	1,055.3	2,033.4	0.18	0.15	-5.57
7,200.0	0.60	204.80	6,796.2	-1,739.9	1,054.7	2,034.6	0.32	-0.31	7.40
7,331.0	0.80	215.70	6,927.2	-1,741.2	1,053.8	2,035.3	0.18	0.15	8.32
7,462.0	0.70	239.80	7,058.2	-1,742.4	1,052.6	2,035.7	0.25	-0.08	18.40
7,593.0	0.30	249.40	7,189.1	-1,742.9	1,051.6	2,035.6	0.31	-0.31	7.33
7,724.0	0.70	162.20	7,320.1	-1,743.8	1,051.5	2,036.3	0.57	0.31	-66.57
7,855.0	0.70	134.20	7,451.1	-1,745.1	1,052.4	2,037.8	0.26	0.00	-21.37
7,986.0	1.50	137.40	7,582.1	-1,746.9	1,054.1	2,040.3	0.61	0.61	2.44
8,117.0	1.10	132.90	7,713.1	-1,749.0	1,056.2	2,043.2	0.31	-0.31	-3.44
8,248.0	1.00	146.70	7,844.1	-1,750.9	1,057.7	2,045.5	0.21	-0.08	10.53
8,303.2	1.00	147.31	7,899.3	-1,751.7	1,058.2	2,046.5	0.02	0.00	1.11
HARDLINE 75'S OF MEYER-4 BHL									
8,365.0	1.00	148.00	7,961.0	-1,752.6	1,058.8	2,047.6	0.02	0.00	1.11
8,410.0	1.00	148.00	8,006.0	-1,753.2	1,059.2	2,048.4	0.00	0.00	0.00

Wellbore Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
DRILL TARGET BHL	0.00	0.00	6,200.0	-1,704.0	1,037.0	1,383,974.75	3,198,065.33	40° 23' 6.837 N	104° 47' 20.355 W
- survey misses target center by 34.7ft at 6603.6ft MD (6199.8 TVD, -1732.1 N, 1057.3 E)									
- Point									
HARDLINE 75'S OF M	0.00	0.00	7,900.0	-1,779.0	937.0	1,383,898.96	3,197,965.94	40° 23' 6.096 N	104° 47' 21.648 W
- survey misses target center by 124.3ft at 8303.2ft MD (7899.2 TVD, -1751.7 N, 1058.2 E)									
- Polygon									
Point 1			7,900.0	0.0	0.0	1,383,898.96	3,197,965.94		
Point 2			7,900.0	0.0	200.0	1,383,900.55	3,198,165.92		

Checked By: _____ Approved By: _____ Date: _____