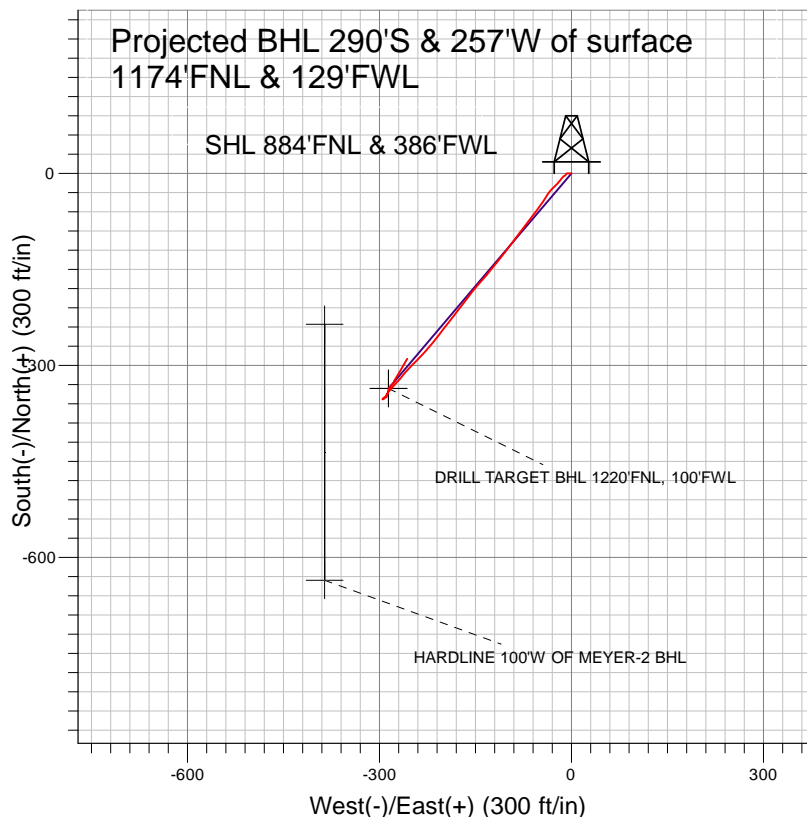


Synergy Resources



LEGEND

- △ Meyer-2, Wellbore #1, Design #1 V0
- Wellbore #1

Final Survey Plot

Projected Final Survey -
8010'MD & 7962'TVD @ 387' VS
1.8 deg Inc 34.2 deg AZ

Project: SEC.21-T5N-R66W
Site: Meyer Pad Sec.21-T5N-R66W
Well: Meyer-2
Plan: Wellbore #1



Synergy Resources

SEC.21-T5N-R66W

Meyer Pad Sec.21-T5N-R66W

Meyer-2

Wellbore #1

Design: Wellbore #1

Standard Survey Report

05 October, 2009

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Meyer-2
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-2	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-2					
Well Position	+N/-S	0.0 ft	Northing:	1,385,659.20 ft	Latitude:	40° 23' 23.568 N
	+E/-W	0.0 ft	Easting:	3,196,987.05 ft	Longitude:	104° 47' 34.116 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	221.51	

Survey Program		Date	10/5/2009		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
522.0	8,010.0	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)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	522.0	1.30	269.90	522.0	0.0	-5.9	3.9	0.25	0.25	0.00
	653.0	0.70	213.20	652.9	-0.7	-7.8	5.7	0.83	-0.46	-43.28
	784.0	0.40	210.40	783.9	-1.7	-8.5	7.0	0.23	-0.23	-2.14
	915.0	0.70	227.10	914.9	-2.7	-9.3	8.2	0.26	0.23	12.75
	1,046.0	0.60	227.70	1,045.9	-3.7	-10.4	9.7	0.08	-0.08	0.46
	1,177.0	0.70	248.90	1,176.9	-4.4	-11.7	11.1	0.20	0.08	16.18
	1,308.0	0.70	214.80	1,307.9	-5.4	-12.9	12.6	0.31	0.00	-26.03
	1,439.0	0.60	233.70	1,438.9	-6.5	-13.9	14.0	0.18	-0.08	14.43
	1,570.0	0.90	223.20	1,569.9	-7.6	-15.2	15.7	0.25	0.23	-8.02
	1,700.0	0.80	217.70	1,699.9	-9.1	-16.4	17.7	0.10	-0.08	-4.23
	1,831.0	0.60	205.10	1,830.9	-10.4	-17.3	19.2	0.19	-0.15	-9.62

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Meyer-2
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-2	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)
1,962.0	0.40	226.20	1,961.9	-11.4	-17.9	20.3	0.21	-0.15	16.11
2,050.0	1.80	224.00	2,049.8	-12.6	-19.1	22.0	1.59	1.59	-2.50
2,137.0	3.10	219.50	2,136.8	-15.4	-21.5	25.7	1.51	1.49	-5.17
2,224.0	4.70	225.70	2,223.5	-19.7	-25.6	31.7	1.90	1.84	7.13
2,312.0	5.80	223.80	2,311.2	-25.4	-31.2	39.7	1.27	1.25	-2.16
2,399.0	7.80	214.70	2,397.6	-33.4	-37.6	50.0	2.60	2.30	-10.46
2,486.0	8.30	211.20	2,483.7	-43.6	-44.2	62.0	0.80	0.57	-4.02
2,573.0	9.80	217.70	2,569.6	-54.9	-52.0	75.6	2.08	1.72	7.47
2,661.0	11.70	216.80	2,656.1	-67.9	-61.9	91.9	2.17	2.16	-1.02
2,748.0	14.40	217.70	2,740.8	-83.6	-73.8	111.5	3.11	3.10	1.03
2,835.0	16.00	217.40	2,824.8	-101.7	-87.7	134.3	1.84	1.84	-0.34
2,923.0	16.60	217.20	2,909.2	-121.3	-102.7	158.9	0.68	0.68	-0.23
3,010.0	15.40	218.40	2,992.9	-140.3	-117.4	182.8	1.43	-1.38	1.38
3,097.0	16.70	221.30	3,076.5	-158.7	-132.8	206.9	1.76	1.49	3.33
3,185.0	15.30	219.60	3,161.1	-177.1	-148.6	231.1	1.68	-1.59	-1.93
3,272.0	14.20	217.00	3,245.2	-194.5	-162.3	253.2	1.48	-1.26	-2.99
3,359.0	13.60	218.30	3,329.6	-211.1	-175.1	274.1	0.78	-0.69	1.49
3,446.0	14.20	217.80	3,414.1	-227.5	-187.9	294.9	0.70	0.69	-0.57
3,534.0	13.40	217.70	3,499.6	-244.1	-200.8	315.9	0.91	-0.91	-0.11
3,621.0	12.80	217.50	3,584.3	-259.7	-212.8	335.6	0.69	-0.69	-0.23
3,708.0	12.70	221.80	3,669.1	-274.5	-225.1	354.7	1.10	-0.11	4.94
3,796.0	11.30	224.80	3,755.2	-287.8	-237.6	373.0	1.74	-1.59	3.41
3,883.0	10.50	224.40	3,840.7	-299.6	-249.1	389.4	0.92	-0.92	-0.46
3,970.0	10.10	220.00	3,926.3	-311.1	-259.6	405.0	1.01	-0.46	-5.06
4,058.0	8.80	221.40	4,013.1	-322.0	-269.0	419.4	1.50	-1.48	1.59
4,145.0	7.70	222.50	4,099.2	-331.3	-277.3	431.9	1.28	-1.26	1.26
4,232.0	4.40	216.50	4,185.7	-338.3	-283.3	441.1	3.86	-3.79	-6.90
4,319.0	3.20	219.20	4,272.5	-342.9	-286.8	446.8	1.39	-1.38	3.10
4,407.0	2.20	206.80	4,360.4	-346.3	-289.1	450.9	1.31	-1.14	-14.09
4,494.0	0.80	222.30	4,447.3	-348.2	-290.3	453.1	1.66	-1.61	17.82
4,625.0	1.10	230.40	4,578.3	-349.7	-291.8	455.3	0.25	0.23	6.18
4,756.0	1.30	229.70	4,709.3	-351.5	-294.0	458.0	0.15	0.15	-0.53
4,887.0	0.40	230.40	4,840.3	-352.7	-295.4	459.9	0.69	-0.69	0.53
5,018.0	0.40	123.30	4,971.3	-353.2	-295.4	460.3	0.49	0.00	-81.76
5,046.7	0.37	111.45	5,000.0	-353.3	-295.2	460.3	0.30	-0.12	-41.24
TARGET MEYER-2 BHL 1220°FNL, 100°FNL - DRILL TARGET BHL 1220°FNL, 100°FNL									
5,149.0	0.40	64.50	5,102.3	-353.3	-294.6	459.8	0.30	0.03	-45.91
5,280.0	0.40	67.40	5,233.3	-352.9	-293.8	459.0	0.02	0.00	2.21
5,411.0	0.40	21.40	5,364.3	-352.3	-293.2	458.1	0.24	0.00	-35.11
5,542.0	0.20	1.50	5,495.3	-351.7	-293.0	457.5	0.17	-0.15	-15.19
5,673.0	0.20	13.10	5,626.3	-351.2	-293.0	457.2	0.03	0.00	8.85
5,804.0	0.80	92.10	5,757.3	-351.0	-292.0	456.4	0.60	0.46	60.31
5,935.0	1.10	48.10	5,888.2	-350.2	-290.1	454.6	0.58	0.23	-33.59
6,065.0	1.20	35.70	6,018.2	-348.3	-288.4	452.0	0.21	0.08	-9.54
6,196.0	1.40	8.60	6,149.2	-345.6	-287.4	449.3	0.49	0.15	-20.69
6,327.0	2.20	4.00	6,280.1	-341.5	-287.0	445.9	0.62	0.61	-3.51
6,458.0	2.00	27.40	6,411.0	-337.0	-285.7	441.7	0.67	-0.15	17.86
6,589.0	2.10	43.50	6,541.9	-333.2	-283.0	437.1	0.44	0.08	12.29
6,720.0	1.80	36.30	6,672.9	-329.8	-280.2	432.6	0.30	-0.23	-5.50
6,851.0	1.30	27.70	6,803.8	-326.8	-278.3	429.1	0.42	-0.38	-6.56
6,982.0	1.20	28.40	6,934.8	-324.3	-276.9	426.4	0.08	-0.08	0.53
7,113.0	1.90	30.20	7,065.7	-321.2	-275.2	422.9	0.54	0.53	1.37
7,244.0	2.20	35.40	7,196.7	-317.3	-272.6	418.3	0.27	0.23	3.97
7,375.0	2.70	29.20	7,327.5	-312.5	-269.7	412.8	0.43	0.38	-4.73

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Meyer-2
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-2	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)
7,506.0	2.60	29.20	7,458.4	-307.3	-266.7	406.8	0.08	-0.08	0.00
7,637.0	2.60	27.00	7,589.3	-302.0	-263.9	401.1	0.08	0.00	-1.68
7,768.0	2.30	29.90	7,720.1	-297.1	-261.2	395.6	0.25	-0.23	2.21
7,899.0	1.90	34.20	7,851.1	-293.0	-258.7	390.9	0.33	-0.31	3.28
7,936.4	1.84	34.20	7,888.4	-292.0	-258.0	389.7	0.15	-0.15	0.00
HARDLINE 100'W OF MEYER-2 BHL									
7,947.1	1.83	34.20	7,899.2	-291.7	-257.8	389.3	0.15	-0.15	0.00
HARDLINE 100'W OF BHL									
7,965.0	1.80	34.20	7,917.0	-291.3	-257.5	388.8	0.15	-0.15	0.00
8,010.0	1.80	34.20	7,962.0	-290.1	-256.7	387.4	0.00	0.00	0.00

Wellbore Targets									
Target Name									
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
TARGET MEYER-2 B	0.00	0.00	5,000.0	-336.0	-286.0	1,385,320.94	3,196,703.75	40° 23' 20.248 N	104° 47' 37.812 W
- actual wellpath misses target center by 19.6ft at 5046.8ft MD (5000.1 TVD, -353.3 N, -295.2 E)									
- Point									
DRILL TARGET BHL	0.00	0.00	5,000.0	-336.0	-286.0	1,385,320.94	3,196,703.75	40° 23' 20.248 N	104° 47' 37.812 W
- actual wellpath misses target center by 19.6ft at 5046.8ft MD (5000.1 TVD, -353.3 N, -295.2 E)									
- Point									
HARDLINE 100'W OF	0.00	0.00	7,900.0	-236.0	-386.0	1,385,420.14	3,196,602.96	40° 23' 21.236 N	104° 47' 39.104 W
- actual wellpath misses target center by 139.8ft at 7947.1ft MD (7899.2 TVD, -291.7 N, -257.8 E)									
- Polygon									
Point 1			7,900.0	0.0	0.0	1,385,420.14	3,196,602.96		
Point 2			7,900.0	-200.0	0.0	1,385,220.15	3,196,604.56		
HARDLINE 100'W OF	0.00	0.00	7,900.0	-636.0	-386.0	1,385,020.17	3,196,606.15	40° 23' 17.283 N	104° 47' 39.104 W
- actual wellpath misses target center by 367.2ft at 7936.5ft MD (7888.6 TVD, -292.0 N, -258.0 E)									
- Polygon									
Point 1			7,900.0	0.0	0.0	1,385,020.17	3,196,606.15		
Point 2			7,900.0	200.0	0.0	1,385,220.16	3,196,604.56		

Checked By: _____ Approved By: _____ Date: _____