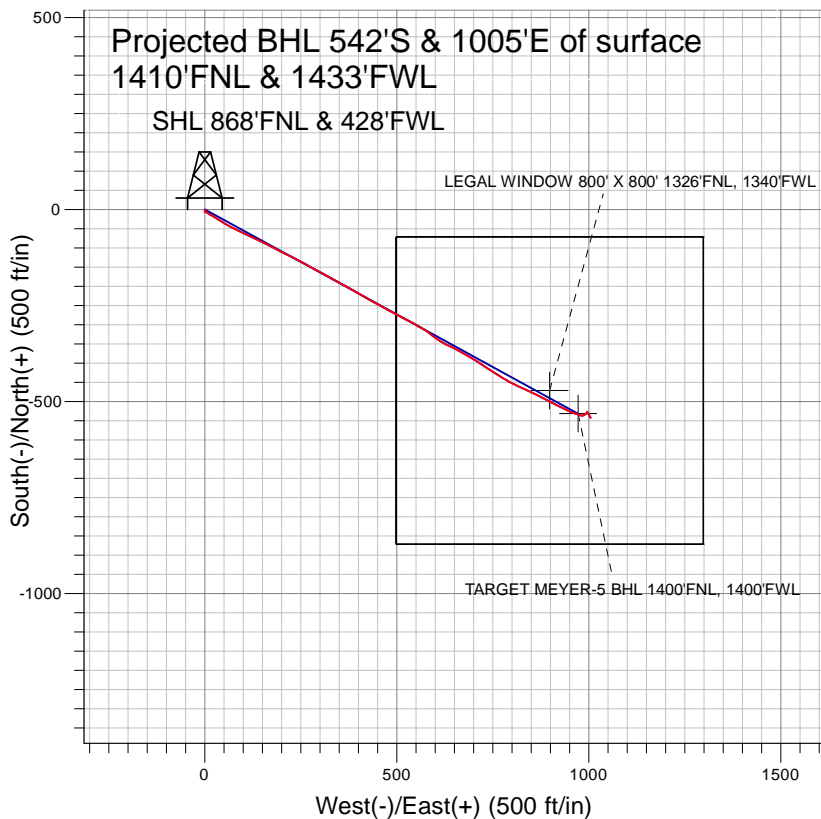


Synergy Resources



LEGEND

- ✕ Meyer-5, Wellbore #1, Plan #3 (9-13-09) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
7665'MD & 7531'TVD @ 1142' VS
0.8 deg Inc 127.4 deg AZ

Project: SEC.21-T5N-R66W
Site: Meyer Pad Sec.21-T5N-R66W
Well: Meyer-5
Plan: Wellbore #1



Synergy Resources

SEC.21-T5N-R66W

Meyer Pad Sec.21-T5N-R66W

Meyer-5

Wellbore #1

Survey: Survey #1

Standard Survey Report

06 October, 2009

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Meyer-5
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-5	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-5					
Well Position	+N/-S	0.0 ft	Northing:	1,385,677.75 ft	Latitude:	40° 23' 23.748 N
	+E/-W	0.0 ft	Easting:	3,197,028.69 ft	Longitude:	104° 47' 33.576 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	8/20/2009	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	118.36	

Survey Program		Date	10/6/2009		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
522.0	7,665.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

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)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	522.0	1.10	183.00	522.0	-5.0	-0.3	2.1	0.21	0.21	0.00
	609.0	0.20	36.10	609.0	-5.7	-0.2	2.5	1.46	-1.03	-168.85
	697.0	0.20	36.00	697.0	-5.5	0.0	2.6	0.00	0.00	-0.11
	784.0	0.20	24.60	784.0	-5.2	0.1	2.6	0.05	0.00	-13.10
	871.0	0.00	293.20	871.0	-5.1	0.2	2.6	0.23	-0.23	0.00
	958.0	0.20	85.10	958.0	-5.1	0.3	2.7	0.23	0.23	0.00
	1,046.0	2.20	119.20	1,045.9	-5.9	2.0	4.5	2.32	2.27	38.75
	1,133.0	4.40	128.90	1,132.8	-8.8	6.0	9.5	2.60	2.53	11.15
	1,220.0	6.10	116.10	1,219.4	-12.9	12.8	17.4	2.36	1.95	-14.71
	1,308.0	6.90	122.50	1,306.9	-17.8	21.4	27.3	1.23	0.91	7.27
	1,395.0	8.90	122.40	1,393.0	-24.2	31.5	39.2	2.30	2.30	-0.11

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Meyer-5
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-5	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)
1,482.0	10.90	121.80	1,478.7	-32.2	44.2	54.2	2.30	2.30	-0.69
1,570.0	12.10	119.40	1,565.0	-41.1	59.3	71.7	1.47	1.36	-2.73
1,657.0	13.10	116.50	1,649.9	-49.9	76.1	90.7	1.36	1.15	-3.33
1,744.0	13.20	116.00	1,734.6	-58.7	93.8	110.4	0.17	0.11	-0.57
1,831.0	14.80	115.50	1,819.0	-67.8	112.8	131.5	1.84	1.84	-0.57
1,919.0	15.10	114.30	1,904.0	-77.4	133.4	154.1	0.49	0.34	-1.36
2,006.0	15.40	115.80	1,988.0	-87.1	154.1	177.0	0.57	0.34	1.72
2,093.0	15.40	118.90	2,071.8	-97.7	174.6	200.1	0.95	0.00	3.56
2,181.0	14.90	117.10	2,156.8	-108.5	194.9	223.1	0.78	-0.57	-2.05
2,268.0	14.80	115.10	2,240.9	-118.3	214.9	245.3	0.60	-0.11	-2.30
2,355.0	14.80	118.20	2,325.0	-128.3	234.8	267.5	0.91	0.00	3.56
2,443.0	15.00	118.20	2,410.0	-139.0	254.7	290.2	0.23	0.23	0.00
2,530.0	14.80	119.30	2,494.1	-149.7	274.3	312.5	0.40	-0.23	1.26
2,617.0	14.90	116.50	2,578.2	-160.2	294.0	334.8	0.83	0.11	-3.22
2,704.0	15.50	119.40	2,662.2	-170.9	314.2	357.6	1.11	0.69	3.33
2,792.0	15.80	118.90	2,746.9	-182.4	334.9	381.4	0.37	0.34	-0.57
2,879.0	16.20	119.30	2,830.5	-194.1	355.9	405.3	0.48	0.46	0.46
2,966.0	15.80	119.30	2,914.2	-205.8	376.8	429.3	0.46	-0.46	0.00
3,054.0	14.40	119.10	2,999.1	-217.0	396.8	452.2	1.59	-1.59	-0.23
3,141.0	14.60	121.00	3,083.3	-227.9	415.6	474.0	0.59	0.23	2.18
3,228.0	13.60	118.70	3,167.7	-238.5	434.0	495.2	1.32	-1.15	-2.64
3,316.0	14.00	117.60	3,253.2	-248.4	452.5	516.2	0.54	0.45	-1.25
3,403.0	13.90	120.20	3,337.6	-258.5	470.9	537.1	0.73	-0.11	2.99
3,490.0	15.10	118.00	3,421.8	-269.1	489.9	558.9	1.52	1.38	-2.53
3,577.0	14.60	116.30	3,505.9	-279.3	509.7	581.2	0.76	-0.57	-1.95
3,665.0	14.40	119.90	3,591.1	-289.6	529.2	603.2	1.05	-0.23	4.09
3,752.0	13.20	117.90	3,675.6	-299.7	547.3	624.0	1.48	-1.38	-2.30
3,839.0	12.40	119.80	3,760.5	-309.0	564.2	643.3	1.04	-0.92	2.18
3,927.0	12.70	126.90	3,846.4	-319.5	580.2	662.3	1.78	0.34	8.07
4,014.0	13.30	125.60	3,931.1	-331.0	595.9	681.7	0.77	0.69	-1.49
4,101.0	13.60	124.00	4,015.7	-342.6	612.6	701.8	0.55	0.34	-1.84
4,189.0	16.00	116.10	4,100.8	-353.7	632.0	724.2	3.56	2.73	-8.98
4,276.0	14.60	115.10	4,184.7	-363.6	652.7	747.1	1.64	-1.61	-1.15
4,363.0	12.70	122.10	4,269.3	-373.4	670.8	767.6	2.89	-2.18	8.05
4,450.0	12.70	117.40	4,354.2	-382.8	687.4	786.7	1.19	0.00	-5.40
4,538.0	13.80	123.00	4,439.8	-393.0	704.7	806.8	1.92	1.25	6.36
4,625.0	12.80	124.30	4,524.5	-404.1	721.4	826.8	1.20	-1.15	1.49
4,712.0	14.20	123.70	4,609.1	-415.4	738.2	847.0	1.62	1.61	-0.69
4,800.0	16.40	120.70	4,694.0	-427.8	757.9	870.1	2.66	2.50	-3.41
4,887.0	15.70	123.30	4,777.6	-440.5	778.3	894.1	1.15	-0.80	2.99
4,974.0	14.50	116.20	4,861.6	-451.8	797.9	916.8	2.53	-1.38	-8.16
5,062.0	15.50	114.80	4,946.6	-461.6	818.5	939.5	1.21	1.14	-1.59
5,149.0	15.20	114.40	5,030.5	-471.2	839.4	962.5	0.37	-0.34	-0.46
5,236.0	15.00	116.40	5,114.5	-480.9	859.9	985.1	0.64	-0.23	2.30
5,323.0	14.20	117.40	5,198.7	-490.8	879.5	1,007.0	0.96	-0.92	1.15
5,411.0	12.40	116.80	5,284.3	-500.0	897.5	1,027.3	2.05	-2.05	-0.68
5,498.0	10.90	116.80	5,369.5	-507.9	913.2	1,044.8	1.72	-1.72	0.00
5,585.0	9.30	117.40	5,455.1	-514.9	926.7	1,060.1	1.84	-1.84	0.69
5,673.0	7.70	115.90	5,542.2	-520.7	938.4	1,073.1	1.84	-1.82	-1.70
5,760.0	6.70	114.70	5,628.5	-525.4	948.2	1,084.0	1.16	-1.15	-1.38
5,847.0	5.70	112.50	5,715.0	-529.2	956.8	1,093.3	1.18	-1.15	-2.53
5,935.0	5.00	105.80	5,802.6	-531.9	964.5	1,101.4	1.06	-0.80	-7.61
6,022.0	4.40	106.90	5,889.3	-533.9	971.4	1,108.4	0.70	-0.69	1.26
6,109.0	3.60	112.00	5,976.1	-535.9	977.1	1,114.4	1.01	-0.92	5.86

Company:	Synergy Resources	Local Co-ordinate Reference:	Well Meyer-5
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-5	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)
6,132.6	3.25	108.20	5,999.6	-536.4	978.4	1,115.8	1.78	-1.50	-16.11
TARGET MEYER-5 BHL 1400'FNL, 1400'FWL									
6,196.0	2.40	92.70	6,063.0	-537.0	981.5	1,118.7	1.78	-1.33	-24.44
6,284.0	2.10	77.80	6,150.9	-536.7	984.9	1,121.6	0.74	-0.34	-16.93
6,371.0	2.30	55.30	6,237.8	-535.4	987.9	1,123.6	1.01	0.23	-25.86
6,458.0	1.80	51.50	6,324.8	-533.6	990.4	1,125.0	0.60	-0.57	-4.37
6,546.0	1.50	52.90	6,412.7	-532.0	992.4	1,126.0	0.34	-0.34	1.59
6,633.0	1.20	45.70	6,499.7	-530.7	993.9	1,126.7	0.40	-0.34	-8.28
6,720.0	1.00	22.30	6,586.7	-529.4	994.9	1,126.9	0.56	-0.23	-26.90
6,808.0	0.80	22.20	6,674.7	-528.1	995.4	1,126.8	0.23	-0.23	-0.11
6,895.0	0.40	10.70	6,761.7	-527.2	995.7	1,126.6	0.48	-0.46	-13.22
6,982.0	0.20	167.50	6,848.7	-527.1	995.8	1,126.6	0.68	-0.23	180.23
7,069.0	1.10	159.80	6,935.7	-528.0	996.1	1,127.3	1.04	1.03	-8.85
7,157.0	1.50	150.30	7,023.7	-529.8	997.0	1,129.0	0.51	0.45	-10.80
7,244.0	2.20	150.20	7,110.6	-532.2	998.3	1,131.3	0.80	0.80	-0.11
7,331.0	2.70	152.00	7,197.5	-535.5	1,000.1	1,134.5	0.58	0.57	2.07
7,419.0	1.80	152.90	7,285.5	-538.5	1,001.7	1,137.3	1.02	-1.02	1.02
7,506.0	1.30	148.50	7,372.4	-540.6	1,002.9	1,139.3	0.59	-0.57	-5.06
7,593.0	0.80	127.40	7,459.4	-541.8	1,003.9	1,140.8	0.72	-0.57	-24.25
7,620.0	0.80	127.40	7,486.4	-542.0	1,004.2	1,141.1	0.00	0.00	0.00
7,665.0	0.80	127.40	7,531.4	-542.4	1,004.7	1,141.8	0.00	0.00	0.00
LEGAL WINDOW 800' X 800' 1326'FNL, 1340'FWL									

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									
TARGET MEYER-5 B	0.00	0.00	6,000.0	-532.0	972.0	1,385,153.54	3,198,004.86	40° 23' 18.491 N	104° 47' 21.015 W
- survey misses target center by 7.8ft at 6132.5ft MD (5999.5 TVD, -536.4 N, 978.4 E)									
- Point									
LEGAL WINDOW 800	0.00	0.00	7,900.0	-472.0	898.0	1,385,212.95	3,197,930.39	40° 23' 19.084 N	104° 47' 21.971 W
- survey misses target center by 390.1ft at 7665.0ft MD (7531.4 TVD, -542.4 N, 1004.7 E)									
- Rectangle (sides W800.0 H800.0 D0.0)									

Checked By: _____	Approved By: _____	Date: _____
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