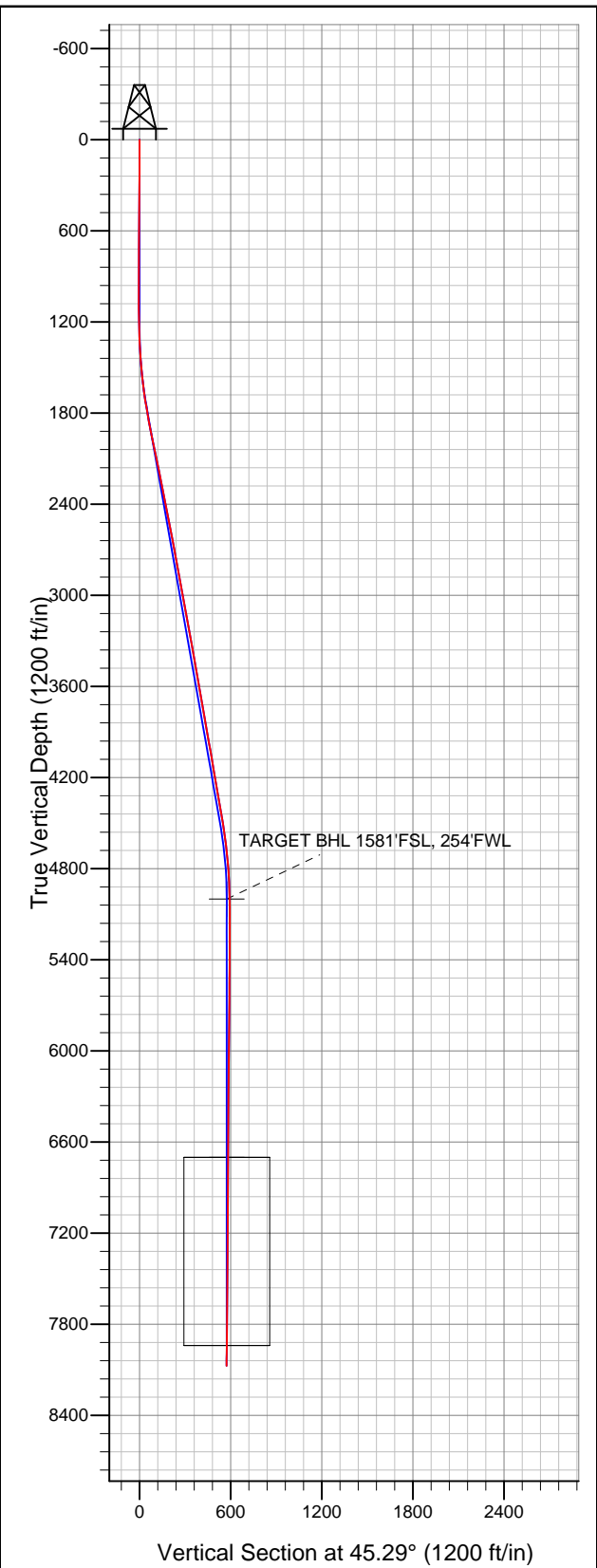


Well Name: SRC Margil 13-34D

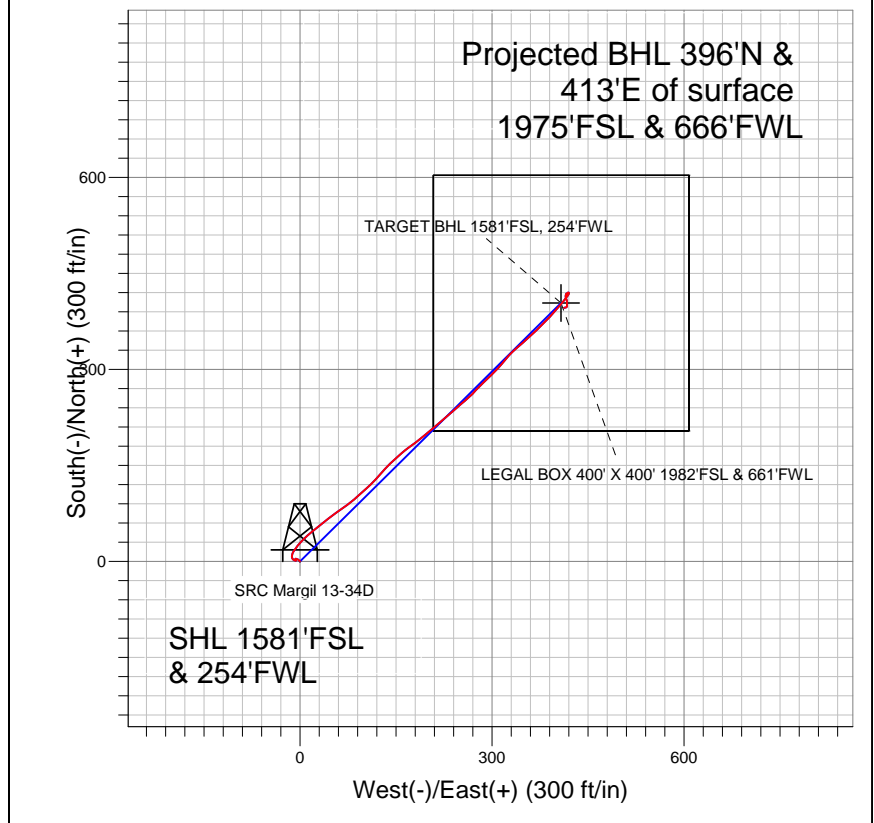
Surface Location: SRC Margil 13-34D Pad Sec.34-T4N-R68W
 North American Datum 1983 US State Plane 1983 Colorado Northern Zone
 Ground Elevation: 5134.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1340463.82	3140149.60	40.266883	-104.997772	

 Original Well Elev WELL @ 5147.0ft (Original Well Elev)



Synergy Resources



LEGEND

- ◆ SRC Margil 13-34D, Wellbore #1, Plan #1 (6-07-11) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
 8125'MD & 8073'TVD @ 572'VS
 0.8 deg Inc 271.9 deg AZ

Project: SEC.34-T4N-R68W
 Site: SRC Margil 13-34D Pad Sec.34-T4N-R68W
 Well: SRC Margil 13-34D
 Plan: Wellbore #1



Synergy Resources

SEC.34-T4N-R68W

SRC Margil 13-34D Pad Sec.34-T4N-R68W

SRC Margil 13-34D

Wellbore #1

Survey: Survey #1

Standard Survey Report

07 December, 2011

Company:	Synergy Resources	Local Co-ordinate Reference:	Site SRC Margil 13-34D Pad Sec.34-T4N-R68W
Project:	SEC.34-T4N-R68W	TVD Reference:	WELL @ 5147.0ft (Original Well Elev)
Site:	SRC Margil 13-34D Pad Sec.34-T4N-R68W	MD Reference:	WELL @ 5147.0ft (Original Well Elev)
Well:	SRC Margil 13-34D	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.34-T4N-R68W, 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		SRC Margil 13-34D Pad Sec.34-T4N-R68W			
Site Position:		Northing:	1,340,463.83ft	Latitude:	40.266883
From:	Lat/Long	Easting:	3,140,149.60ft	Longitude:	-104.997772
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.32 °

Well	SRC Margil 13-34D					
Well Position	+N/-S	0.0 ft	Northing:	1,340,463.82 ft	Latitude:	40.266883
	+E/-W	0.0 ft	Easting:	3,140,149.60 ft	Longitude:	-104.997772
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,134.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/22/2011	8.92	66.89	52,987

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 (°)	
	5,000.0	0.0	0.0	45.29	

Survey Program		Date	12/7/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
118.0	8,125.0	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
118.0	1.80	312.10	118.0	1.2	-1.4	-0.1	1.53	1.53	0.00
208.0	1.60	303.90	207.9	2.9	-3.5	-0.4	0.35	-0.22	-9.11
299.0	1.70	286.50	298.9	4.0	-5.8	-1.3	0.56	0.11	-19.12
390.0	1.10	224.30	389.9	3.7	-7.7	-2.9	1.69	-0.66	-68.35
481.0	0.40	130.40	480.9	2.9	-8.1	-3.7	1.31	-0.77	-103.19
572.0	0.70	133.40	571.9	2.3	-7.4	-3.7	0.33	0.33	3.30
663.0	0.90	150.80	662.9	1.3	-6.7	-3.8	0.34	0.22	19.12
734.0	0.70	299.00	733.9	1.0	-6.8	-4.1	2.17	-0.28	208.73
828.0	0.70	292.50	827.9	1.5	-7.8	-4.5	0.08	0.00	-6.91
922.0	0.90	285.20	921.8	1.9	-9.1	-5.1	0.24	0.21	-7.77
1,015.0	1.20	307.00	1,014.8	2.7	-10.6	-5.6	0.53	0.32	23.44
1,109.0	1.70	326.00	1,108.8	4.5	-12.1	-5.5	0.73	0.53	20.21

Company:	Synergy Resources	Local Co-ordinate Reference:	Site SRC Margil 13-34D Pad Sec.34-T4N-R68W
Project:	SEC.34-T4N-R68W	TVD Reference:	WELL @ 5147.0ft (Original Well Elev)
Site:	SRC Margil 13-34D Pad Sec.34-T4N-R68W	MD Reference:	WELL @ 5147.0ft (Original Well Elev)
Well:	SRC Margil 13-34D	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

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)	
1,203.0	1.80	357.50	1,202.8	7.1	-13.0	-4.2	1.02	0.11	33.51	
1,297.0	2.50	14.40	1,296.7	10.6	-12.5	-1.5	1.00	0.74	17.98	
1,390.0	3.40	29.10	1,389.6	14.9	-10.7	2.9	1.26	0.97	15.81	
1,484.0	4.80	37.70	1,483.3	20.5	-6.9	9.5	1.62	1.49	9.15	
1,578.0	6.30	39.70	1,576.9	27.6	-1.2	18.5	1.61	1.60	2.13	
1,671.0	8.20	46.00	1,669.1	36.1	6.8	30.2	2.21	2.04	6.77	
1,765.0	9.80	51.10	1,762.0	45.8	17.9	44.9	1.90	1.70	5.43	
1,859.0	10.70	51.30	1,854.5	56.3	30.9	61.5	0.96	0.96	0.21	
1,952.0	11.00	51.10	1,945.8	67.2	44.5	79.0	0.33	0.32	-0.22	
2,046.0	12.00	56.00	2,037.9	78.3	59.6	97.5	1.49	1.06	5.21	
2,140.0	12.00	53.00	2,129.9	89.7	75.5	116.8	0.66	0.00	-3.19	
2,233.0	11.20	47.80	2,221.0	101.6	89.9	135.4	1.41	-0.86	-5.59	
2,327.0	11.20	47.60	2,313.2	113.8	103.4	153.6	0.04	0.00	-0.21	
2,421.0	10.50	43.70	2,405.5	126.2	116.1	171.3	1.08	-0.74	-4.15	
2,515.0	11.30	40.40	2,497.8	139.4	128.0	189.0	1.08	0.85	-3.51	
2,608.0	11.60	46.70	2,589.0	152.7	140.7	207.5	1.38	0.32	6.77	
2,702.0	11.60	47.80	2,681.0	165.6	154.6	226.4	0.24	0.00	1.17	
2,796.0	9.80	54.10	2,773.4	176.6	168.1	243.7	2.28	-1.91	6.70	
2,889.0	9.80	52.20	2,865.1	186.1	180.7	259.4	0.35	0.00	-2.04	
2,983.0	10.30	52.20	2,957.6	196.2	193.7	275.7	0.53	0.53	0.00	
3,077.0	10.50	47.20	3,050.1	207.1	206.6	292.6	0.98	0.21	-5.32	
3,170.0	10.60	50.10	3,141.5	218.4	219.4	309.6	0.58	0.11	3.12	
3,264.0	10.80	49.70	3,233.9	229.6	232.7	327.0	0.23	0.21	-0.43	
3,358.0	10.40	48.60	3,326.3	240.9	245.8	344.2	0.48	-0.43	-1.17	
3,451.0	9.30	50.10	3,417.9	251.3	257.9	360.1	1.21	-1.18	1.61	
3,545.0	9.30	44.80	3,510.7	261.6	269.1	375.2	0.91	0.00	-5.64	
3,638.0	9.70	42.80	3,602.4	272.6	279.7	390.6	0.56	0.43	-2.15	
3,732.0	10.30	47.80	3,694.9	284.1	291.3	406.9	1.12	0.64	5.32	
3,826.0	10.70	43.70	3,787.4	296.1	303.6	424.0	0.90	0.43	-4.36	
3,919.0	10.10	40.20	3,878.8	308.5	314.8	440.8	0.94	-0.65	-3.76	
4,013.0	10.30	42.70	3,971.4	321.0	325.8	457.4	0.52	0.21	2.66	
4,107.0	9.20	47.10	4,064.0	332.3	337.0	473.3	1.41	-1.17	4.68	
4,200.0	9.00	50.10	4,155.8	342.0	348.0	488.0	0.55	-0.22	3.23	
4,294.0	10.70	47.60	4,248.4	352.6	360.1	504.0	1.86	1.81	-2.66	
4,388.0	10.50	46.40	4,340.8	364.4	372.8	521.3	0.32	-0.21	-1.28	
4,481.0	9.80	43.70	4,432.4	376.0	384.4	537.7	0.91	-0.75	-2.90	
4,575.0	8.30	43.50	4,525.2	386.7	394.6	552.4	1.60	-1.60	-0.21	
4,669.0	7.10	39.90	4,618.4	396.1	403.0	565.0	1.38	-1.28	-3.83	
4,762.0	6.30	34.80	4,710.7	404.7	409.6	575.8	1.07	-0.86	-5.48	
4,856.0	4.50	43.20	4,804.3	411.6	415.0	584.5	2.09	-1.91	8.94	
4,950.0	1.80	30.70	4,898.2	415.5	418.3	589.6	2.95	-2.87	-13.30	
5,044.0	1.50	28.60	4,992.1	417.9	419.6	592.2	0.33	-0.32	-2.23	
5,051.6	1.40	27.62	4,999.7	418.1	419.7	592.4	1.36	-1.32	-12.86	
TARGET BHL 1581'FSL, 254'FWL										
5,137.0	0.40	341.70	5,085.1	419.3	420.1	593.5	1.36	-1.17	-53.78	
5,231.0	0.30	341.70	5,179.1	419.8	419.9	593.8	0.11	-0.11	0.00	
5,325.0	0.30	275.40	5,273.1	420.1	419.6	593.7	0.35	0.00	-70.53	
5,418.0	0.30	268.90	5,366.1	420.1	419.1	593.4	0.04	0.00	-6.99	
5,512.0	0.60	255.00	5,460.1	420.0	418.4	592.8	0.34	0.32	-14.79	
5,606.0	0.70	229.30	5,554.1	419.5	417.5	591.8	0.32	0.11	-27.34	
5,700.0	0.40	222.50	5,648.1	418.8	416.9	590.9	0.33	-0.32	-7.23	
5,793.0	0.40	238.80	5,741.1	418.4	416.4	590.3	0.12	0.00	17.53	
5,887.0	0.40	232.70	5,835.1	418.1	415.8	589.6	0.05	0.00	-6.49	
5,981.0	0.70	194.70	5,929.1	417.3	415.4	588.8	0.49	0.32	-40.43	

Company:	Synergy Resources	Local Co-ordinate Reference:	Site SRC Margil 13-34D Pad Sec.34-T4N-R68W
Project:	SEC.34-T4N-R68W	TVD Reference:	WELL @ 5147.0ft (Original Well Elev)
Site:	SRC Margil 13-34D Pad Sec.34-T4N-R68W	MD Reference:	WELL @ 5147.0ft (Original Well Elev)
Well:	SRC Margil 13-34D	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

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)
6,075.0	0.80	190.50	6,023.1	416.1	415.1	587.8	0.12	0.11	-4.47
6,168.0	0.60	188.00	6,116.1	415.0	415.0	586.9	0.22	-0.22	-2.69
6,262.0	0.90	178.70	6,210.1	413.8	414.9	586.0	0.34	0.32	-9.89
6,356.0	0.70	168.50	6,304.0	412.5	415.0	585.1	0.26	-0.21	-10.85
6,450.0	1.00	162.40	6,398.0	411.1	415.4	584.4	0.33	0.32	-6.49
6,543.0	0.70	151.70	6,491.0	409.8	415.9	583.9	0.36	-0.32	-11.51
6,637.0	0.90	159.40	6,585.0	408.6	416.4	583.4	0.24	0.21	8.19
6,731.0	0.60	169.90	6,679.0	407.5	416.8	582.9	0.35	-0.32	11.17
6,752.0	0.62	172.26	6,700.0	407.2	416.8	582.7	0.16	0.10	11.23
LEGAL BOX 400' X 400' 1982'FSL & 661'FWL									
6,825.0	0.70	179.30	6,773.0	406.4	416.9	582.2	0.16	0.11	9.65
6,918.0	0.50	169.60	6,866.0	405.4	417.0	581.6	0.24	-0.22	-10.43
7,012.0	0.50	197.40	6,960.0	404.6	416.9	581.0	0.26	0.00	29.57
7,106.0	0.40	166.80	7,054.0	403.9	416.9	580.4	0.27	-0.11	-32.55
7,200.0	0.40	184.50	7,148.0	403.3	416.9	580.0	0.13	0.00	18.83
7,293.0	0.50	179.80	7,241.0	402.6	416.9	579.5	0.11	0.11	-5.05
7,387.0	0.40	185.20	7,335.0	401.8	416.9	578.9	0.12	-0.11	5.74
7,481.0	0.50	162.40	7,429.0	401.1	417.0	578.5	0.22	0.11	-24.26
7,574.0	0.70	167.10	7,522.0	400.2	417.2	578.0	0.22	0.22	5.05
7,668.0	0.70	188.90	7,616.0	399.0	417.2	577.3	0.28	0.00	23.19
7,764.0	0.60	201.80	7,712.0	398.0	417.0	576.3	0.18	-0.10	13.44
7,858.0	0.70	247.10	7,806.0	397.3	416.3	575.3	0.54	0.11	48.19
7,952.0	0.80	253.80	7,900.0	396.9	415.1	574.2	0.14	0.11	7.13
8,045.0	1.00	251.70	7,992.9	396.5	413.7	572.9	0.22	0.22	-2.26
8,081.0	0.80	271.90	8,028.9	396.4	413.2	572.5	1.03	-0.56	56.11
8,125.0	0.80	271.90	8,072.9	396.4	412.5	572.1	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____