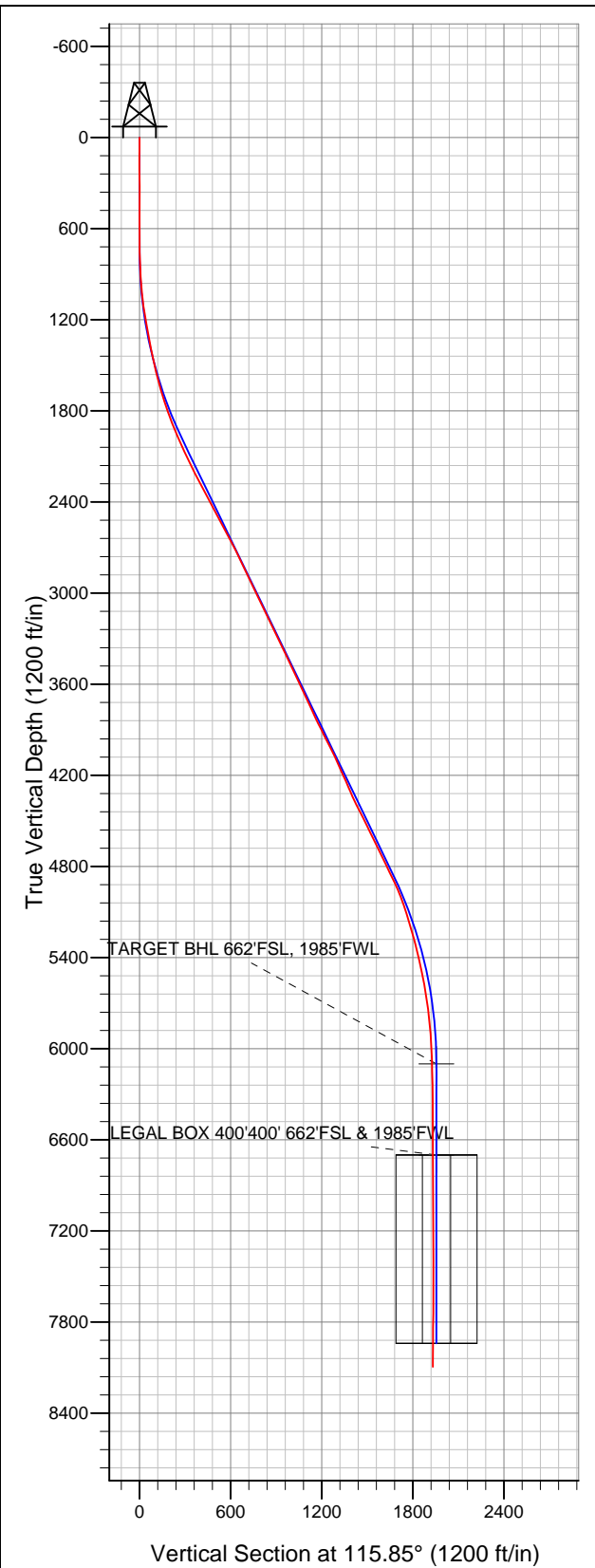


Well Name: SRC Margil 24-34D

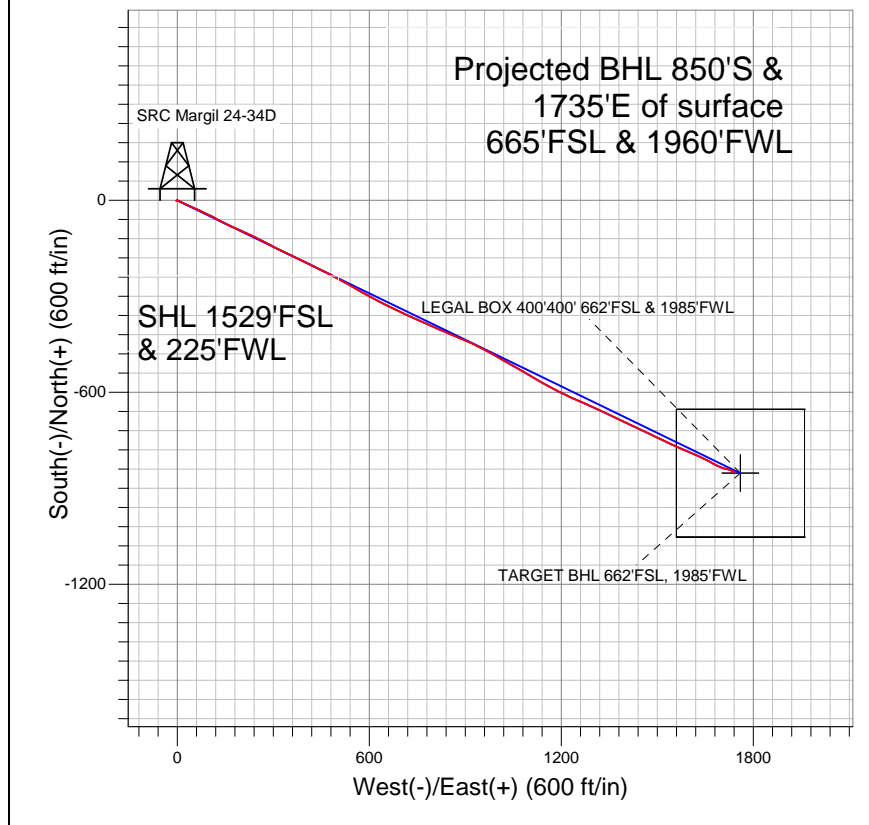
Surface Location: SRC Margil 13-34D Pad Sec.34-T4N-R68W
 North American Datum 1983 US State Plane 1983Colorado Northern Zone
 Ground Elevation: 5132.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1340410.83	3140121.16	40.266738	-104.997875	

Original Well Elev WELL @ 5145.0ft (Original Well Elev)



Synergy Resources



LEGEND

- Survey #1
- SRC Margil 24-34D, Wellbore #1, Plan #1 (12-19-11) R V0
- Wellbore #1

Final Survey Plot

Projected Final Survey -
 8490'MD & 8094'TVD @ 1932'VS
 0.50 deg Inc 215.60 deg AZ

Project: SEC.34-T4N-R68W
 Site: SRC Margil 13-34D Pad Sec.34-T4N-R68W
 Well: SRC Margil 24-34D
 Plan: Wellbore #1



Synergy Resources

SEC.34-T4N-R68W

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

SRC Margil 24-34D

Wellbore #1

Survey: Survey #1

Standard Survey Report

28 December, 2011

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Margil 24-34D
Project:	SEC.34-T4N-R68W	TVD Reference:	WELL @ 5145.0ft (Original Well Elev)
Site:	SRC Margil 13-34D Pad Sec.34-T4N-R68W	MD Reference:	WELL @ 5145.0ft (Original Well Elev)
Well:	SRC Margil 24-34D	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 24-34D					
Well Position	+N/-S	0.0 ft	Northing:	1,340,410.83 ft	Latitude:	40.266738
	+E/-W	0.0 ft	Easting:	3,140,121.16 ft	Longitude:	-104.997875
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,132.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/19/2011	8.91	66.89	52,980

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	115.85	

Survey Program		Date	12/28/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
121.0	8,490.0	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 Wellbore	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	121.0	1.50	237.60	121.0	-0.8	-1.3	-0.8	1.24	1.24	0.00
	212.0	0.50	196.30	212.0	-1.9	-2.5	-1.4	1.29	-1.10	-45.38
	303.0	0.70	82.60	303.0	-2.2	-2.0	-0.9	1.11	0.22	-124.95
	395.0	1.00	66.20	395.0	-1.8	-0.7	0.1	0.42	0.33	-17.83
	485.0	0.30	41.80	485.0	-1.3	0.2	0.7	0.82	-0.78	-27.11
	576.0	0.40	328.70	576.0	-0.8	0.1	0.5	0.47	0.11	-80.33
	659.0	0.10	13.80	659.0	-0.5	0.0	0.2	0.41	-0.36	54.34
	734.0	0.60	99.40	733.9	-0.5	0.4	0.6	0.80	0.67	114.13
	828.0	1.80	117.70	827.9	-1.3	2.2	2.6	1.32	1.28	19.47
	921.0	3.70	108.80	920.8	-2.9	6.3	7.0	2.09	2.04	-9.57
	1,015.0	5.60	116.50	1,014.5	-6.0	13.3	14.6	2.12	2.02	8.19
	1,109.0	7.80	115.80	1,107.9	-10.8	23.2	25.6	2.34	2.34	-0.74

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Margil 24-34D
Project:	SEC.34-T4N-R68W	TVD Reference:	WELL @ 5145.0ft (Original Well Elev)
Site:	SRC Margil 13-34D Pad Sec.34-T4N-R68W	MD Reference:	WELL @ 5145.0ft (Original Well Elev)
Well:	SRC Margil 24-34D	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)	
1,202.0	9.20	114.60	1,199.8	-16.6	35.6	39.3	1.52	1.51	-1.29	
1,296.0	10.90	114.60	1,292.4	-23.5	50.5	55.7	1.81	1.81	0.00	
1,390.0	11.30	114.60	1,384.6	-31.0	67.0	73.8	0.43	0.43	0.00	
1,484.0	12.50	114.60	1,476.6	-39.1	84.6	93.2	1.28	1.28	0.00	
1,577.0	14.00	116.10	1,567.1	-48.2	103.9	114.5	1.65	1.61	1.61	
1,671.0	16.00	118.10	1,657.9	-59.3	125.5	138.8	2.20	2.13	2.13	
1,765.0	18.50	118.10	1,747.7	-72.4	150.1	166.6	2.66	2.66	0.00	
1,858.0	20.00	113.70	1,835.5	-85.8	177.7	197.3	2.24	1.61	-4.73	
1,952.0	21.90	113.20	1,923.3	-99.1	208.5	230.9	2.03	2.02	-0.53	
2,046.0	24.60	116.80	2,009.6	-114.9	242.1	267.9	3.24	2.87	3.83	
2,139.0	26.00	118.30	2,093.7	-133.3	277.3	307.7	1.66	1.51	1.61	
2,233.0	26.20	116.30	2,178.1	-152.2	314.1	349.0	0.96	0.21	-2.13	
2,327.0	26.90	115.10	2,262.2	-170.4	351.9	391.0	0.94	0.74	-1.28	
2,421.0	27.70	116.30	2,345.7	-189.1	390.8	434.1	1.03	0.85	1.28	
2,514.0	28.10	115.30	2,427.9	-208.1	429.9	477.6	0.66	0.43	-1.08	
2,608.0	28.80	117.60	2,510.6	-228.0	470.0	522.4	1.38	0.74	2.45	
2,702.0	28.50	118.30	2,593.1	-249.2	509.8	567.5	0.48	-0.32	0.74	
2,795.0	27.50	120.20	2,675.2	-270.5	547.9	611.0	1.44	-1.08	2.04	
2,889.0	25.70	118.80	2,759.2	-291.2	584.6	653.0	2.03	-1.91	-1.49	
2,983.0	25.80	118.30	2,843.9	-310.7	620.4	693.8	0.25	0.11	-0.53	
3,076.0	25.80	116.80	2,927.6	-329.4	656.3	734.3	0.70	0.00	-1.61	
3,170.0	24.90	113.70	3,012.6	-346.6	692.7	774.5	1.71	-0.96	-3.30	
3,264.0	24.90	114.70	3,097.8	-362.8	728.8	814.1	0.45	0.00	1.06	
3,357.0	27.10	114.90	3,181.4	-380.0	765.8	854.8	2.37	2.37	0.22	
3,451.0	25.70	114.00	3,265.6	-397.3	803.8	896.6	1.55	-1.49	-0.96	
3,544.0	24.90	111.80	3,349.7	-412.7	840.4	936.3	1.33	-0.86	-2.37	
3,638.0	26.70	113.70	3,434.3	-428.6	878.1	977.1	2.11	1.91	2.02	
3,732.0	25.20	113.50	3,518.9	-445.0	915.8	1,018.2	1.60	-1.60	-0.21	
3,825.0	24.40	118.30	3,603.3	-462.0	950.9	1,057.2	2.33	-0.86	5.16	
3,919.0	25.10	118.80	3,688.7	-480.9	985.5	1,096.5	0.78	0.74	0.53	
4,012.0	24.90	119.80	3,772.9	-500.1	1,019.8	1,135.8	0.50	-0.22	1.08	
4,106.0	26.10	119.70	3,857.8	-520.2	1,054.9	1,176.1	1.28	1.28	-0.11	
4,200.0	27.30	120.90	3,941.8	-541.5	1,091.3	1,218.2	1.40	1.28	1.28	
4,294.0	26.60	120.20	4,025.5	-563.1	1,128.0	1,260.7	0.82	-0.74	-0.74	
4,387.0	24.40	117.20	4,109.5	-582.4	1,163.1	1,300.7	2.74	-2.37	-3.23	
4,481.0	24.00	116.70	4,195.2	-599.9	1,197.5	1,339.2	0.48	-0.43	-0.53	
4,575.0	23.00	115.40	4,281.4	-616.3	1,231.1	1,376.7	1.20	-1.06	-1.38	
4,668.0	25.60	113.20	4,366.2	-632.0	1,266.0	1,414.9	2.96	2.80	-2.37	
4,762.0	26.70	113.50	4,450.6	-648.5	1,304.1	1,456.3	1.18	1.17	0.32	
4,856.0	26.90	116.80	4,534.5	-666.5	1,342.4	1,498.7	1.60	0.21	3.51	
4,949.0	25.40	115.30	4,617.9	-684.5	1,379.2	1,539.7	1.76	-1.61	-1.61	
5,043.0	26.00	115.10	4,702.6	-701.8	1,416.1	1,580.4	0.64	0.64	-0.21	
5,137.0	26.60	114.70	4,786.9	-719.4	1,453.9	1,622.1	0.67	0.64	-0.43	
5,231.0	25.70	115.80	4,871.3	-737.0	1,491.4	1,663.5	1.09	-0.96	1.17	
5,324.0	23.00	115.80	4,956.0	-753.7	1,525.9	1,701.8	2.90	-2.90	0.00	
5,418.0	19.40	113.70	5,043.6	-768.0	1,556.7	1,735.8	3.91	-3.83	-2.23	
5,512.0	16.90	113.50	5,133.0	-779.7	1,583.5	1,765.1	2.66	-2.66	-0.21	
5,606.0	16.20	113.20	5,223.1	-790.3	1,608.1	1,791.8	0.75	-0.74	-0.32	
5,699.0	14.30	113.70	5,312.8	-800.1	1,630.6	1,816.2	2.05	-2.04	0.54	
5,793.0	13.20	117.00	5,404.1	-809.6	1,650.8	1,838.6	1.44	-1.17	3.51	
5,887.0	11.80	119.80	5,495.9	-819.2	1,668.7	1,858.9	1.62	-1.49	2.98	
5,980.0	9.90	116.70	5,587.2	-827.6	1,684.1	1,876.4	2.14	-2.04	-3.33	
6,074.0	8.30	113.50	5,680.0	-833.9	1,697.5	1,891.2	1.78	-1.70	-3.40	
6,168.0	7.10	104.70	5,773.2	-838.1	1,709.3	1,903.7	1.79	-1.28	-9.36	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Margil 24-34D
Project:	SEC.34-T4N-R68W	TVD Reference:	WELL @ 5145.0ft (Original Well Elev)
Site:	SRC Margil 13-34D Pad Sec.34-T4N-R68W	MD Reference:	WELL @ 5145.0ft (Original Well Elev)
Well:	SRC Margil 24-34D	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)	
6,262.0	5.30	101.00	5,866.6	-840.4	1,719.2	1,913.6	1.96	-1.91	-3.94	
6,355.0	3.10	105.80	5,959.4	-841.9	1,725.9	1,920.2	2.39	-2.37	5.16	
6,449.0	1.80	113.90	6,053.3	-843.2	1,729.7	1,924.2	1.43	-1.38	8.62	
6,496.6	1.59	119.04	6,100.8	-843.8	1,730.9	1,925.6	0.55	-0.44	10.81	
TARGET BHL 662'FSL, 1985'FWL										
6,543.0	1.40	125.50	6,147.2	-844.4	1,731.9	1,926.8	0.55	-0.41	13.91	
6,637.0	1.10	131.10	6,241.2	-845.7	1,733.6	1,928.8	0.34	-0.32	5.96	
6,730.0	0.60	135.10	6,334.2	-846.6	1,734.6	1,930.2	0.54	-0.54	4.30	
6,824.0	0.40	128.60	6,428.2	-847.2	1,735.2	1,930.9	0.22	-0.21	-6.91	
6,918.0	0.40	128.10	6,522.2	-847.6	1,735.7	1,931.6	0.00	0.00	-0.53	
7,012.0	0.30	132.00	6,616.2	-848.0	1,736.1	1,932.1	0.11	-0.11	4.15	
7,095.9	0.21	122.10	6,700.1	-848.2	1,736.4	1,932.5	0.12	-0.11	-11.80	
LEGAL BOX 400'400' 662'FSL & 1985'FWL										
7,105.0	0.20	120.50	6,709.2	-848.2	1,736.5	1,932.5	0.12	-0.10	-17.61	
7,199.0	0.10	164.00	6,803.2	-848.4	1,736.6	1,932.8	0.15	-0.11	46.28	
7,293.0	0.10	128.80	6,897.2	-848.5	1,736.7	1,932.9	0.06	0.00	-37.45	
7,387.0	0.20	149.50	6,991.2	-848.7	1,736.8	1,933.1	0.12	0.11	22.02	
7,480.0	0.00	282.40	7,084.2	-848.8	1,736.9	1,933.2	0.22	-0.22	0.00	
7,574.0	0.40	80.50	7,178.2	-848.8	1,737.3	1,933.5	0.43	0.43	0.00	
7,668.0	1.10	82.60	7,272.2	-848.6	1,738.5	1,934.5	0.75	0.74	2.23	
7,764.0	0.60	66.60	7,368.2	-848.3	1,739.8	1,935.6	0.57	-0.52	-16.67	
7,858.0	0.20	2.40	7,462.2	-847.9	1,740.3	1,935.9	0.58	-0.43	-68.30	
7,951.0	0.40	276.40	7,555.2	-847.7	1,740.0	1,935.5	0.47	0.22	-92.47	
8,045.0	0.40	281.90	7,649.2	-847.6	1,739.3	1,934.9	0.04	0.00	5.85	
8,139.0	0.70	275.90	7,743.2	-847.5	1,738.5	1,934.0	0.32	0.32	-6.38	
8,233.0	0.70	240.20	7,837.2	-847.7	1,737.4	1,933.2	0.46	0.00	-37.98	
8,326.0	0.80	239.70	7,930.1	-848.3	1,736.3	1,932.5	0.11	0.11	-0.54	
8,446.0	0.50	215.60	8,050.1	-849.2	1,735.3	1,931.9	0.33	-0.25	-20.08	
8,490.0	0.50	215.60	8,094.1	-849.5	1,735.1	1,931.9	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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