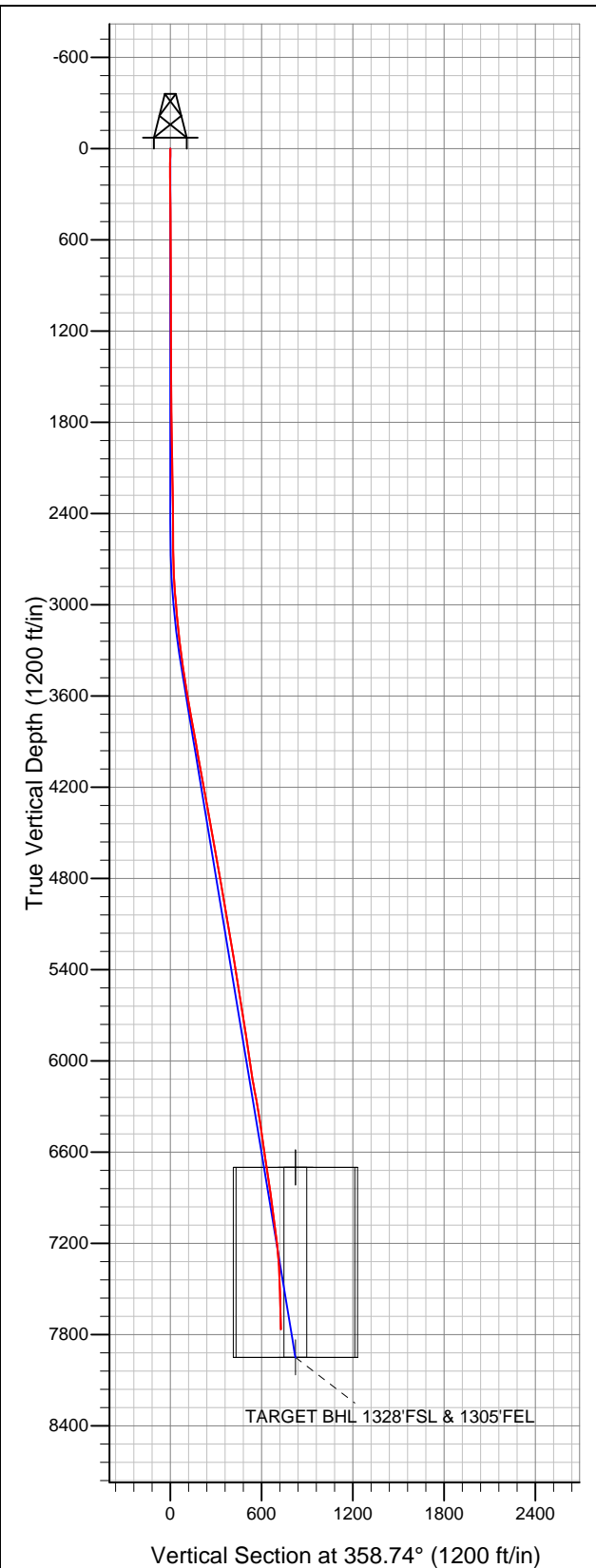


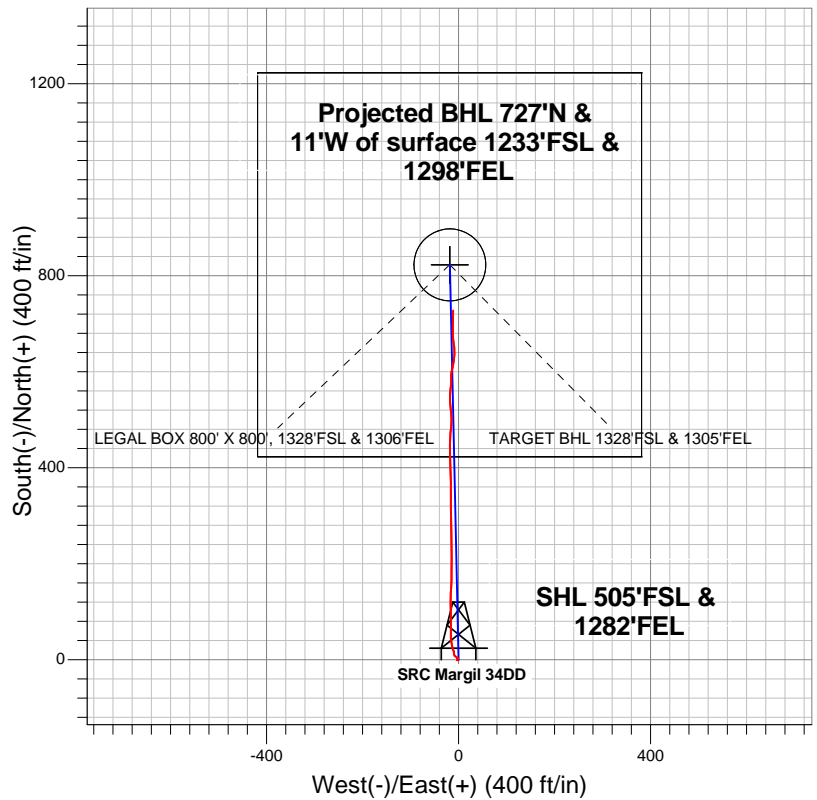
**Well Name: SRC Margil 34DD**

Surface Location: SRC Margil 34-34D Pad Sec.34-T4N-R68W  
North American Datum 1983 US State Plane 1983Colorado Northern Zone  
Ground Elevation: 5091.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1339438.55	3143870.72	40.264010	-104.984459	
Original Well Elev		WELL @ 5104.0ft (Original Well Elev)				



## Synergy Resources



- LEGEND
- Wellbore #1
  - SRC Margil 34DD, Wellbore #1, Plan #2 (6-18-12) R V0
  - Survey #1

## Final Survey Plot

Projected Final Survey -  
7821'MD & 7766'TVD @ 727'VS  
1.10 deg Inc 4.40 deg AZ

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



## **Synergy Resources**

**SEC.34-T4N-R68W**

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

**SRC Margil 34DD**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**28 June, 2012**

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Margil 34DD
<b>Project:</b>	SEC.34-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5104.0ft (Original Well Elev)
<b>Site:</b>	SRC Margil 34-34D Pad Sec.34-T4N-R68W	<b>MD Reference:</b>	WELL @ 5104.0ft (Original Well Elev)
<b>Well:</b>	SRC Margil 34DD	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	Landmark

<b>Project</b>	SEC.34-T4N-R68W, Weld County, Colorado		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

Site		SRC Margil 34-34D Pad Sec.34-T4N-R68W			
Site Position:		Northing:	1,339,412.39 ft	Latitude:	40.263939
From:	Lat/Long	Easting:	3,143,817.01 ft	Longitude:	-104.984652
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.33 °

Well	SRC Margil 34DD					
Well Position	+N/-S	0.0 ft	Northing:	1,339,438.55 ft	Latitude:	40.264010
	+E/-W	0.0 ft	Easting:	3,143,870.72 ft	Longitude:	-104.984455
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,091.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/18/2012	8.83	66.87	52,928

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	358.74	

Survey Program		Date	6/27/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
94.0	7,821.0	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)
Survey Data	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	94.0	1.10	237.00	94.0	-0.5	-0.8	-0.5	1.17	1.17	0.00
	185.0	1.10	265.30	185.0	-1.0	-2.4	-1.0	0.59	0.00	31.10
	275.0	1.80	357.10	275.0	0.3	-3.3	0.4	2.38	0.78	102.00
	369.0	0.70	42.80	368.9	2.2	-3.0	2.3	1.49	-1.17	48.62
	461.0	0.80	49.60	460.9	3.0	-2.1	3.1	0.15	0.11	7.39
	552.0	0.20	105.20	551.9	3.4	-1.5	3.4	0.78	-0.66	61.10
	644.0	0.40	223.10	643.9	3.1	-1.5	3.2	0.57	0.22	128.15
	734.0	0.20	352.50	733.9	3.0	-1.8	3.1	0.61	-0.22	143.78
	825.0	0.20	233.10	824.9	3.1	-1.9	3.2	0.38	0.00	-131.21
	917.0	0.40	294.30	916.9	3.1	-2.3	3.2	0.38	0.22	66.52
	964.0	0.10	346.70	963.9	3.3	-2.5	3.3	0.74	-0.64	111.49
1,006.0	0.10	346.70	1,005.9	3.3	-2.5	3.4	0.00	0.00	0.00	

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Margil 34DD
<b>Project:</b>	SEC.34-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5104.0ft (Original Well Elev)
<b>Site:</b>	SRC Margil 34-34D Pad Sec.34-T4N-R68W	<b>MD Reference:</b>	WELL @ 5104.0ft (Original Well Elev)
<b>Well:</b>	SRC Margil 34DD	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	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)	
1,012.0	0.10	175.50	1,011.9	3.3	-2.5	3.4	3.32	0.00	-2,853.34	
1,106.0	0.40	336.10	1,105.9	3.5	-2.6	3.6	0.53	0.32	170.85	
1,200.0	0.30	327.50	1,199.9	4.0	-2.9	4.1	0.12	-0.11	-9.15	
1,293.0	0.50	309.40	1,292.9	4.5	-3.4	4.6	0.25	0.22	-19.46	
1,387.0	0.70	309.40	1,386.9	5.1	-4.1	5.2	0.21	0.21	0.00	
1,481.0	0.70	302.40	1,480.9	5.8	-5.0	5.9	0.09	0.00	-7.45	
1,574.0	0.90	302.60	1,573.9	6.5	-6.1	6.6	0.22	0.22	0.22	
1,668.0	1.10	299.60	1,667.9	7.3	-7.5	7.5	0.22	0.21	-3.19	
1,762.0	0.90	337.40	1,761.9	8.5	-8.6	8.7	0.72	-0.21	40.21	
1,855.0	0.90	344.00	1,854.9	9.9	-9.1	10.1	0.11	0.00	7.10	
1,949.0	0.80	339.50	1,948.8	11.2	-9.5	11.4	0.13	-0.11	-4.79	
2,043.0	0.70	0.90	2,042.8	12.4	-9.7	12.6	0.31	-0.11	22.77	
2,137.0	1.00	5.70	2,136.8	13.8	-9.7	14.0	0.33	0.32	5.11	
2,230.0	0.90	355.50	2,229.8	15.3	-9.6	15.5	0.21	-0.11	-10.97	
2,324.0	0.70	352.10	2,323.8	16.6	-9.8	16.8	0.22	-0.21	-3.62	
2,418.0	0.40	337.90	2,417.8	17.5	-10.0	17.7	0.35	-0.32	-15.11	
2,511.0	0.40	298.70	2,510.8	17.9	-10.4	18.2	0.29	0.00	-42.15	
2,605.0	0.40	338.90	2,604.8	18.4	-10.8	18.6	0.29	0.00	42.77	
2,699.0	1.80	343.50	2,698.8	20.1	-11.3	20.4	1.49	1.49	4.89	
2,792.0	2.30	344.90	2,791.7	23.3	-12.2	23.6	0.54	0.54	1.51	
2,886.0	3.90	348.60	2,885.6	28.3	-13.3	28.6	1.71	1.70	3.94	
2,980.0	5.20	348.30	2,979.3	35.6	-14.8	35.9	1.38	1.38	-0.32	
3,074.0	5.30	356.00	3,072.9	44.1	-16.0	44.4	0.76	0.11	8.19	
3,167.0	6.00	0.90	3,165.4	53.2	-16.2	53.6	0.91	0.75	5.27	
3,261.0	6.50	0.90	3,258.9	63.5	-16.1	63.8	0.53	0.53	0.00	
3,355.0	7.70	1.80	3,352.2	75.1	-15.8	75.4	1.28	1.28	0.96	
3,449.0	9.30	356.20	3,445.1	88.9	-16.1	89.3	1.91	1.70	-5.96	
3,542.0	8.80	357.60	3,537.0	103.5	-16.9	103.9	0.59	-0.54	1.51	
3,637.0	9.10	1.40	3,630.8	118.3	-17.0	118.7	0.70	0.32	4.00	
3,730.0	10.30	4.30	3,722.5	134.0	-16.2	134.3	1.39	1.29	3.12	
3,824.0	10.30	2.70	3,815.0	150.7	-15.2	151.0	0.30	0.00	-1.70	
3,918.0	10.20	359.70	3,907.5	167.5	-14.8	167.7	0.58	-0.11	-3.19	
4,011.0	9.80	358.50	3,999.0	183.6	-15.1	183.9	0.48	-0.43	-1.29	
4,105.0	10.40	1.30	4,091.6	200.1	-15.1	200.4	0.82	0.64	2.98	
4,199.0	10.10	359.00	4,184.1	216.8	-15.0	217.1	0.54	-0.32	-2.45	
4,292.0	10.20	2.90	4,275.6	233.2	-14.8	233.5	0.75	0.11	4.19	
4,386.0	10.90	358.50	4,368.0	250.4	-14.6	250.6	1.13	0.74	-4.68	
4,480.0	10.00	356.70	4,460.5	267.4	-15.3	267.7	1.02	-0.96	-1.91	
4,574.0	9.80	359.70	4,553.1	283.6	-15.8	283.8	0.59	-0.21	3.19	
4,667.0	10.60	359.90	4,644.6	300.0	-15.9	300.3	0.86	0.86	0.22	
4,761.0	10.10	359.30	4,737.1	316.9	-16.0	317.2	0.54	-0.53	-0.64	
4,854.0	9.80	359.00	4,828.7	333.0	-16.2	333.3	0.33	-0.32	-0.32	
4,948.0	10.10	0.60	4,921.3	349.2	-16.3	349.5	0.43	0.32	1.70	
5,042.0	8.70	0.40	5,014.0	364.6	-16.1	364.8	1.49	-1.49	-0.21	
5,136.0	9.70	357.60	5,106.8	379.6	-16.4	379.9	1.17	1.06	-2.98	
5,230.0	10.10	358.80	5,199.4	395.7	-16.9	396.0	0.48	0.43	1.28	
5,323.0	9.20	357.10	5,291.1	411.3	-17.5	411.6	1.01	-0.97	-1.83	
5,417.0	9.50	359.00	5,383.8	426.6	-18.0	426.9	0.46	0.32	2.02	
5,511.0	9.40	0.70	5,476.6	442.0	-18.0	442.3	0.32	-0.11	1.81	
5,604.0	8.60	0.60	5,568.4	456.6	-17.9	456.8	0.86	-0.86	-0.11	
5,698.0	9.10	7.20	5,661.3	471.0	-16.8	471.2	1.20	0.53	7.02	
5,792.0	8.50	5.00	5,754.2	485.3	-15.3	485.5	0.73	-0.64	-2.34	
5,886.0	8.90	359.00	5,847.1	499.5	-14.8	499.7	1.05	0.43	-6.38	
5,980.0	8.70	356.70	5,940.0	513.8	-15.4	514.0	0.43	-0.21	-2.45	

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Margil 34DD
<b>Project:</b>	SEC.34-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5104.0ft (Original Well Elev)
<b>Site:</b>	SRC Margil 34-34D Pad Sec.34-T4N-R68W	<b>MD Reference:</b>	WELL @ 5104.0ft (Original Well Elev)
<b>Well:</b>	SRC Margil 34DD	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	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)
6,073.0	8.20	350.00	6,032.0	527.4	-16.9	527.6	1.19	-0.54	-7.20
6,167.0	9.30	358.60	6,124.9	541.6	-18.3	541.8	1.82	1.17	9.15
6,261.0	10.50	8.30	6,217.5	557.6	-17.2	557.9	2.18	1.28	10.32
6,355.0	10.10	3.60	6,310.0	574.3	-15.5	574.5	0.99	-0.43	-5.00
6,448.0	9.30	358.50	6,401.7	590.0	-15.2	590.2	1.26	-0.86	-5.48
6,542.0	8.10	11.30	6,494.6	604.1	-14.1	604.2	2.42	-1.28	13.62
6,636.0	7.80	14.30	6,587.7	616.8	-11.2	616.9	0.54	-0.32	3.19
6,730.0	8.40	4.30	6,680.8	629.8	-9.1	629.8	1.63	0.64	-10.64
6,778.8	8.91	0.21	6,729.0	637.1	-8.8	637.2	1.63	1.04	-8.38
<b>LEGAL BOX 800' X 800', 1328'FSL &amp; 1306'FEL</b>									
6,779.7	8.92	0.14	6,729.9	637.3	-8.8	637.3	1.63	1.08	-7.89
<b>TARGET CIRCLE 1328'FSL &amp; 1305'FEL</b>									
6,823.0	9.40	356.90	6,772.6	644.1	-9.0	644.2	1.63	1.12	-7.48
6,917.0	8.10	352.50	6,865.5	658.4	-10.3	658.4	1.55	-1.38	-4.68
7,011.0	7.20	355.60	6,958.7	670.8	-11.6	670.9	1.05	-0.96	3.30
7,105.0	7.40	0.00	7,051.9	682.7	-12.0	682.8	0.63	0.21	4.68
7,198.0	8.20	2.70	7,144.1	695.4	-11.7	695.4	0.95	0.86	2.90
7,292.0	5.20	359.30	7,237.4	706.3	-11.5	706.4	3.22	-3.19	-3.62
7,386.0	3.30	355.50	7,331.2	713.3	-11.7	713.4	2.04	-2.02	-4.04
7,479.0	2.60	357.80	7,424.0	718.1	-12.0	718.1	0.76	-0.75	2.47
7,573.0	1.80	11.50	7,518.0	721.6	-11.8	721.7	1.01	-0.85	14.57
7,667.0	1.30	2.70	7,611.9	724.1	-11.5	724.2	0.59	-0.53	-9.36
7,779.0	1.10	4.40	7,723.9	726.5	-11.3	726.6	0.18	-0.18	1.52
7,821.0	1.10	4.40	7,765.9	727.3	-11.3	727.4	0.00	0.00	0.00
<b>TARGET BHL 1328'FSL &amp; 1305'FEL</b>									

Checked By: _____	Approved By: _____	Date: _____
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