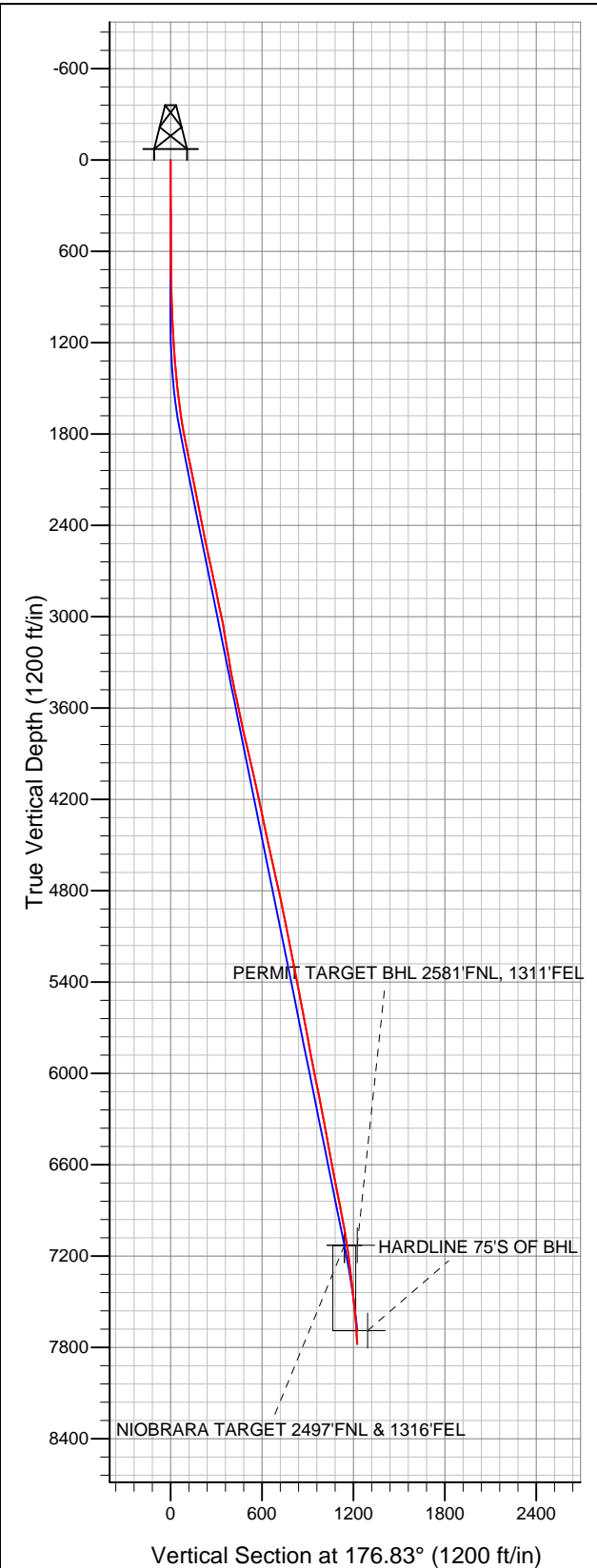


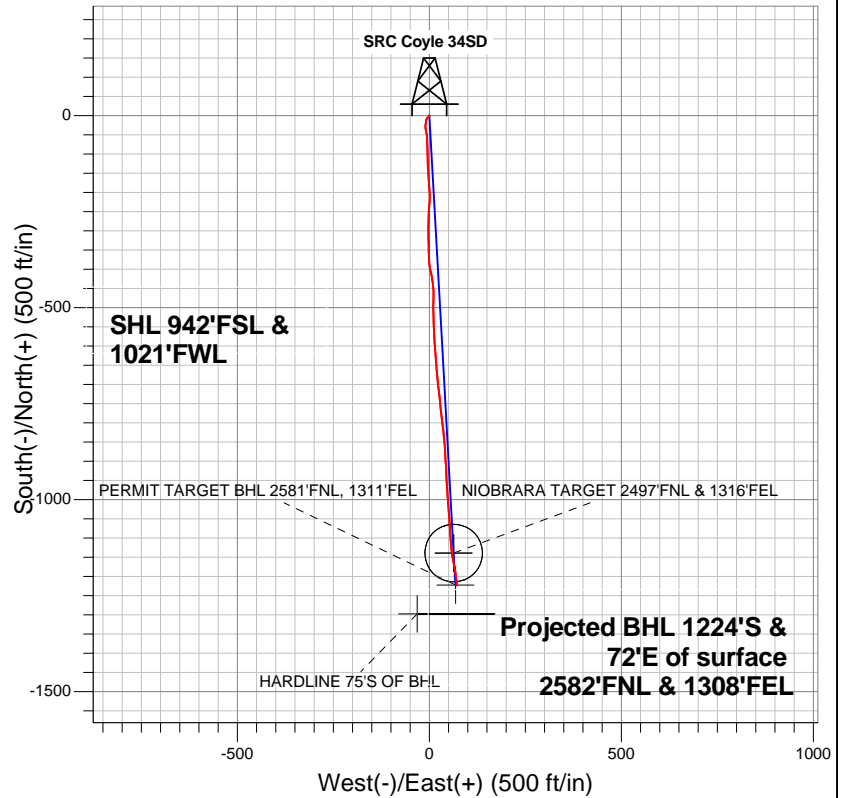
# Well Name: SRC Coyle 34SD

Surface Location: SRC Coyle 31-34D Pad Sec.34-T4N-R68W  
 North American Datum 1983 US State Plane 1983Colorado Northern Zone  
 Ground Elevation: 5112.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1342886.36	3143769.19	40.273476	-104.984751	
Original Well Elev			WELL @ 5124.0ft (Original Well Elev)			



## Synergy Resources



### LEGEND

- Wellbore #1
- + SRC Coyle 34SD, Wellbore #1, Plan #2 (8-20-12) R V0
- Survey #1

## Final Survey Plot

Projected Final Survey -  
 7895'MD & 7779'TVD @ 1226'VS  
 3.70 deg Inc 176.00 deg AZ

Project: SEC.34-T4N-R68W  
 Site: SRC Coyle 31-34D Pad Sec.34-T4N-R68W  
 Well: SRC Coyle 34SD  
 Plan: Wellbore #1



## **Synergy Resources**

**SEC.34-T4N-R68W**

**SRC Coyle 31-34D Pad Sec.34-T4N-R68W**

**SRC Coyle 34SD**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**28 August, 2012**

Survey	Survey 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
	118.0	0.40	129.20	118.0	-0.3	0.3	0.3	0.34	0.34	0.00
	209.0	0.30	127.00	209.0	-0.6	0.8	0.6	0.11	-0.11	-2.42
	302.0	0.30	238.20	302.0	-0.9	0.7	0.9	0.53	0.00	119.57
	394.0	0.40	242.60	394.0	-1.2	0.3	1.2	0.11	0.11	4.78
	486.0	0.70	215.40	486.0	-1.8	-0.4	1.7	0.42	0.33	-29.57
	577.0	0.50	233.30	577.0	-2.5	-1.0	2.4	0.30	-0.22	19.67
	632.0	0.70	237.00	632.0	-2.8	-1.5	2.7	0.37	0.36	6.73
	681.0	0.70	237.00	681.0	-3.1	-2.0	3.0	0.00	0.00	0.00
	700.0	1.10	229.40	700.0	-3.3	-2.2	3.2	2.19	2.11	-40.00
	792.0	1.10	234.20	792.0	-4.4	-3.6	4.2	0.10	0.00	5.22
	886.0	2.10	224.90	885.9	-6.1	-5.5	5.8	1.10	1.06	-9.89
	980.0	2.70	202.50	979.8	-9.4	-7.6	9.0	1.17	0.64	-23.83

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Coyle 34SD
<b>Project:</b>	SEC.34-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site:</b>	SRC Coyle 31-34D Pad Sec.34-T4N-R68W	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Well:</b>	SRC Coyle 34SD	<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)	
1,073.0	3.30	190.20	1,072.7	-14.0	-8.9	13.5	0.94	0.65	-13.23	
1,167.0	4.10	184.60	1,166.5	-20.1	-9.7	19.5	0.93	0.85	-5.96	
1,261.0	3.90	185.00	1,260.3	-26.6	-10.2	26.0	0.21	-0.21	0.43	
1,355.0	4.00	172.00	1,354.1	-33.0	-10.0	32.4	0.96	0.11	-13.83	
1,448.0	4.70	167.70	1,446.8	-40.0	-8.8	39.4	0.83	0.75	-4.62	
1,542.0	6.90	172.30	1,540.3	-49.3	-7.2	48.8	2.39	2.34	4.89	
1,636.0	8.00	176.20	1,633.5	-61.4	-6.0	61.0	1.29	1.17	4.15	
1,730.0	9.40	177.90	1,726.4	-75.6	-5.3	75.2	1.51	1.49	1.81	
1,823.0	10.60	179.70	1,818.0	-91.8	-5.0	91.4	1.33	1.29	1.94	
1,917.0	11.40	179.70	1,910.3	-109.7	-4.9	109.3	0.85	0.85	0.00	
2,010.0	11.90	175.50	2,001.4	-128.5	-4.1	128.0	1.06	0.54	-4.52	
2,104.0	11.60	177.20	2,093.4	-147.6	-2.9	147.2	0.49	-0.32	1.81	
2,198.0	11.60	176.90	2,185.5	-166.4	-1.9	166.1	0.06	0.00	-0.32	
2,292.0	11.10	175.60	2,277.7	-184.9	-0.7	184.6	0.60	-0.53	-1.38	
2,385.0	11.00	176.30	2,368.9	-202.7	0.6	202.4	0.18	-0.11	0.75	
2,479.0	10.80	184.10	2,461.2	-220.4	0.5	220.1	1.58	-0.21	8.30	
2,573.0	12.20	182.90	2,553.3	-239.1	-0.6	238.7	1.51	1.49	-1.28	
2,666.0	13.00	183.70	2,644.1	-259.4	-1.8	258.9	0.88	0.86	0.86	
2,760.0	12.00	179.70	2,735.9	-279.7	-2.4	279.1	1.41	-1.06	-4.26	
2,854.0	11.80	180.70	2,827.9	-299.1	-2.5	298.5	0.31	-0.21	1.06	
2,948.0	11.60	178.10	2,919.9	-318.1	-2.3	317.5	0.60	-0.21	-2.77	
3,041.0	11.50	180.90	3,011.0	-336.8	-2.1	336.1	0.61	-0.11	3.01	
3,135.0	9.40	177.40	3,103.5	-353.8	-1.9	353.1	2.33	-2.23	-3.72	
3,229.0	9.30	176.90	3,196.2	-369.0	-1.1	368.4	0.14	-0.11	-0.53	
3,322.0	9.60	176.20	3,287.9	-384.3	-0.2	383.7	0.35	0.32	-0.75	
3,416.0	10.80	167.90	3,380.5	-400.7	2.1	400.2	2.02	1.28	-8.83	
3,510.0	11.90	169.00	3,472.6	-418.8	5.8	418.5	1.19	1.17	1.17	
3,604.0	12.00	172.00	3,564.6	-438.0	9.0	437.9	0.67	0.11	3.19	
3,697.0	11.90	179.70	3,655.6	-457.2	10.4	457.1	1.72	-0.11	8.28	
3,791.0	12.60	180.90	3,747.4	-477.1	10.3	477.0	0.79	0.74	1.28	
3,885.0	13.20	179.70	3,839.1	-498.1	10.2	497.9	0.70	0.64	-1.28	
3,979.0	13.50	178.60	3,930.5	-519.8	10.5	519.6	0.42	0.32	-1.17	
4,071.0	13.00	178.50	4,020.1	-540.9	11.1	540.7	0.54	-0.54	-0.11	
4,166.0	12.00	176.50	4,112.8	-561.4	12.0	561.3	1.15	-1.05	-2.11	
4,260.0	11.90	176.20	4,204.8	-580.9	13.2	580.7	0.13	-0.11	-0.32	
4,353.0	12.10	177.60	4,295.8	-600.2	14.2	600.0	0.38	0.22	1.51	
4,447.0	12.30	176.20	4,387.6	-620.0	15.3	619.9	0.38	0.21	-1.49	
4,541.0	12.00	174.60	4,479.5	-639.7	16.9	639.7	0.48	-0.32	-1.70	
4,634.0	12.00	175.60	4,570.5	-659.0	18.6	659.0	0.22	0.00	1.08	
4,728.0	12.80	174.10	4,662.3	-679.1	20.4	679.2	0.92	0.85	-1.60	
4,822.0	12.50	173.70	4,754.0	-699.6	22.6	699.7	0.33	-0.32	-0.43	
4,915.0	12.70	173.00	4,844.8	-719.7	24.9	720.0	0.27	0.22	-0.75	
5,009.0	11.60	174.10	4,936.7	-739.4	27.1	739.7	1.20	-1.17	1.17	
5,103.0	10.80	173.40	5,028.9	-757.5	29.1	758.0	0.86	-0.85	-0.74	
5,197.0	11.30	174.80	5,121.1	-775.4	31.0	776.0	0.60	0.53	1.49	
5,290.0	11.10	174.20	5,212.4	-793.4	32.7	794.0	0.25	-0.22	-0.65	
5,384.0	11.20	171.80	5,304.6	-811.5	34.9	812.2	0.51	0.11	-2.55	
5,478.0	10.70	173.90	5,396.9	-829.2	37.2	830.0	0.68	-0.53	2.23	
5,571.0	10.90	174.90	5,488.2	-846.5	38.9	847.4	0.29	0.22	1.08	
5,666.0	10.50	175.50	5,581.6	-864.1	40.3	865.0	0.44	-0.42	0.63	
5,759.0	11.00	178.50	5,673.0	-881.4	41.2	882.3	0.81	0.54	3.23	
5,853.0	10.40	174.60	5,765.3	-898.8	42.3	899.8	1.00	-0.64	-4.15	
5,947.0	11.10	177.40	5,857.7	-916.3	43.5	917.3	0.93	0.74	2.98	
6,040.0	11.00	177.90	5,948.9	-934.1	44.2	935.1	0.15	-0.11	0.54	

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Coyle 34SD
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<b>Site:</b>	SRC Coyle 31-34D Pad Sec.34-T4N-R68W	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Well:</b>	SRC Coyle 34SD	<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)
6,134.0	11.00	177.20	6,041.2	-952.0	45.0	953.1	0.14	0.00	-0.74
6,228.0	11.80	176.50	6,133.4	-970.6	46.0	971.6	0.86	0.85	-0.74
6,322.0	10.80	174.80	6,225.5	-989.0	47.4	990.1	1.12	-1.06	-1.81
6,416.0	10.20	176.50	6,318.0	-1,006.0	48.7	1,007.2	0.72	-0.64	1.81
6,509.0	10.90	176.50	6,409.4	-1,023.0	49.7	1,024.2	0.75	0.75	0.00
6,603.0	10.20	173.50	6,501.8	-1,040.2	51.2	1,041.4	0.95	-0.74	-3.19
6,697.0	10.20	177.20	6,594.3	-1,056.8	52.6	1,058.0	0.70	0.00	3.94
6,790.0	10.80	177.10	6,685.8	-1,073.7	53.4	1,075.0	0.65	0.65	-0.11
6,884.0	11.50	176.70	6,778.0	-1,091.8	54.4	1,093.2	0.75	0.74	-0.43
6,978.0	11.70	175.50	6,870.1	-1,110.7	55.7	1,112.1	0.33	0.21	-1.28
7,072.0	10.30	172.80	6,962.3	-1,128.5	57.5	1,130.0	1.59	-1.49	-2.87
7,166.0	10.10	171.40	7,054.9	-1,145.0	59.8	1,146.6	0.34	-0.21	-1.49
7,239.4	8.76	171.55	7,127.2	-1,156.9	61.5	1,158.5	1.83	-1.83	0.21
<b>TARGET CIRCLE 2497'FNL &amp; 1306'FEL</b>									
7,239.6	8.76	171.55	7,127.4	-1,156.9	61.5	1,158.6	0.00	0.00	0.00
<b>NIOBRARA TARGET 2497'FNL &amp; 1316'FEL</b>									
7,252.0	8.53	171.58	7,139.7	-1,158.8	61.8	1,160.4	1.85	-1.85	0.25
<b>PERMIT TARGET BHL 2581'FNL, 1311'FEL</b>									
7,259.0	8.40	171.60	7,146.6	-1,159.8	62.0	1,161.4	1.85	-1.85	0.26
7,353.0	7.00	165.50	7,239.8	-1,172.1	64.4	1,173.9	1.72	-1.49	-6.49
7,447.0	6.40	173.20	7,333.2	-1,182.9	66.5	1,184.7	1.15	-0.64	8.19
7,540.0	6.80	171.40	7,425.5	-1,193.5	67.9	1,195.4	0.48	0.43	-1.94
7,634.0	5.70	171.80	7,519.0	-1,203.6	69.4	1,205.6	1.17	-1.17	0.43
7,728.0	4.70	172.70	7,612.6	-1,212.0	70.6	1,214.1	1.07	-1.06	0.96
7,810.7	4.04	174.70	7,695.0	-1,218.3	71.2	1,220.4	0.82	-0.80	2.42
<b>HARDLINE 75'S OF BHL</b>									
7,853.0	3.70	176.00	7,737.2	-1,221.1	71.5	1,223.2	0.82	-0.80	3.07
7,895.0	3.70	176.00	7,779.2	-1,223.8	71.7	1,225.9	0.00	0.00	0.00

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_