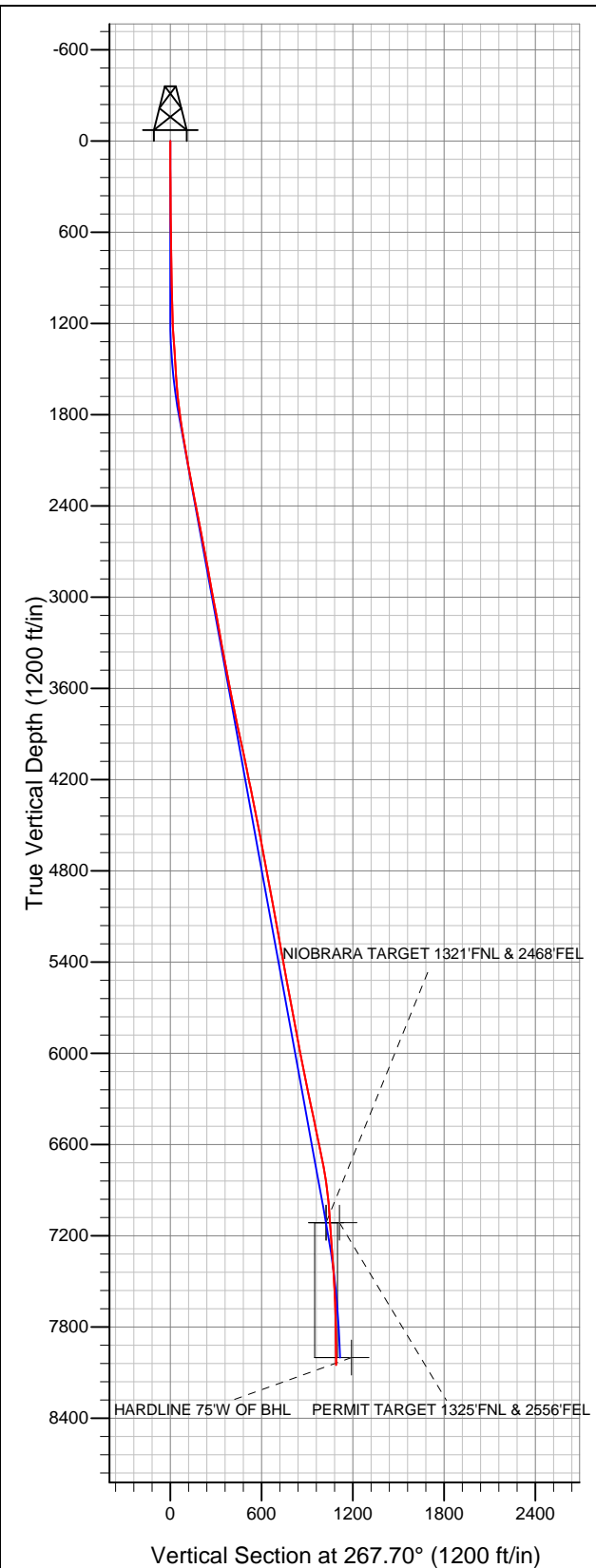




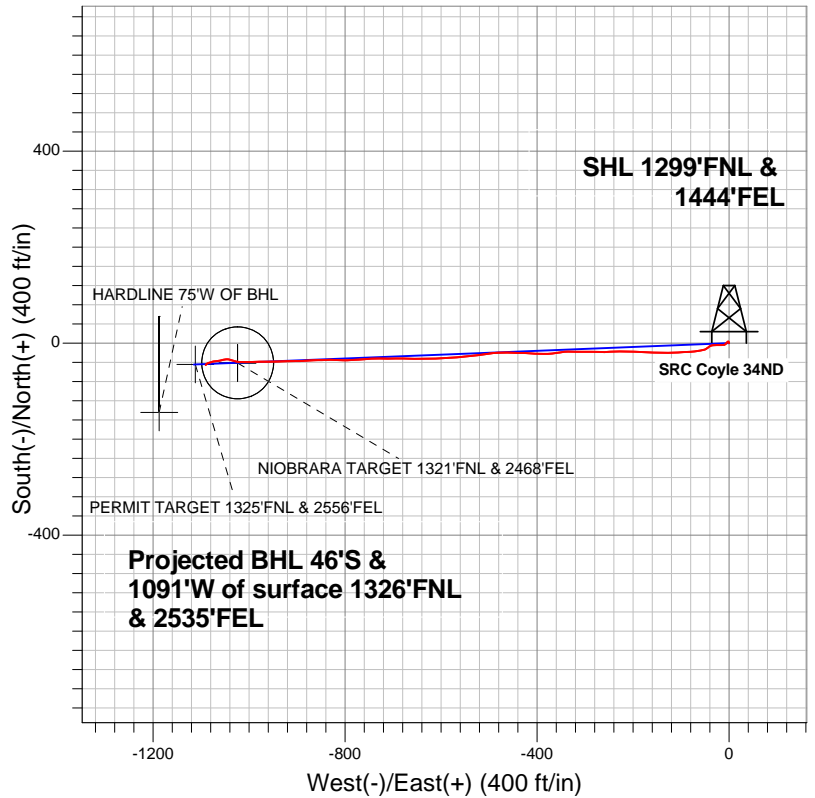
Well Name: SRC Coyle 34ND

Surface Location: SRC Coyle 31-34D Pad Sec.34-T4N-R68W
North American Datum 1983 US State Plane 1983Colorado Northern Zone
Ground Elevation: 5110.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1342942.86	3143712.50	40.273632	-104.984953	
Original Well Elev		WELL @ 5122.0ft (Original Well Elev)				



Synergy Resources



LEGEND

- Wellbore #1
- SRC Coyle 34ND, Wellbore #1, Plan #2 (7-25-12) R V0
- Survey #1

Final Survey Plot

Projected Final Survey -
8146'MD & 8049'TVD @ 1092'VS
1.10 deg Inc 227.00 deg AZ

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



Synergy Resources

SEC.34-T4N-R68W

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

SRC Coyle 34ND

Wellbore #1

Survey: Survey #1

Standard Survey Report

07 August, 2012

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Coyle 34ND
Project:	SEC.34-T4N-R68W	TVD Reference:	WELL @ 5122.0ft (Original Well Elev)
Site:	SRC Coyle 31-34D Pad Sec.34-T4N-R68W	MD Reference:	WELL @ 5122.0ft (Original Well Elev)
Well:	SRC Coyle 34ND	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 Coyle 31-34D Pad Sec.34-T4N-R68W			
Site Position:		Northing:	1,342,971.13ft	Latitude:	40.273710
From:	Lat/Long	Easting:	3,143,684.15ft	Longitude:	-104.985054
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.33 °

Well	SRC Coyle 34ND					
Well Position	+N/-S	0.0 ft	Northing:	1,342,942.86 ft	Latitude:	40.273632
	+E/-W	0.0 ft	Easting:	3,143,712.50 ft	Longitude:	-104.984953
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,110.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/25/2012	8.82	66.87	52,922

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	267.70	

Survey Program		Date	8/6/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
89.0	8,146.0	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
	89.0	1.20	334.30	89.0	0.8	-0.4	0.4	1.35	1.35	0.00
	179.0	0.30	357.60	179.0	1.9	-0.8	0.7	1.04	-1.00	25.89
	269.0	0.40	321.40	269.0	2.4	-1.0	0.9	0.26	0.11	-40.22
	364.0	0.80	298.90	364.0	3.0	-1.8	1.7	0.48	0.42	-23.68
	456.0	0.50	219.90	456.0	3.0	-2.6	2.5	0.93	-0.33	-85.87
	547.0	1.10	224.70	547.0	2.1	-3.5	3.4	0.66	0.66	5.27
	638.0	1.10	228.00	637.9	0.9	-4.8	4.7	0.07	0.00	3.63
	682.0	1.10	228.00	681.9	0.3	-5.4	5.4	0.00	0.00	0.00
	793.0	1.10	222.80	792.9	-1.2	-6.9	7.0	0.09	0.00	-4.68
	887.0	1.30	222.20	886.9	-2.7	-8.2	8.3	0.21	0.21	-0.64
	981.0	1.60	260.70	980.9	-3.7	-10.3	10.4	1.06	0.32	40.96
	1,074.0	1.70	265.60	1,073.8	-4.0	-12.9	13.1	0.19	0.11	5.27

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Coyle 34ND
Project:	SEC.34-T4N-R68W	TVD Reference:	WELL @ 5122.0ft (Original Well Elev)
Site:	SRC Coyle 31-34D Pad Sec.34-T4N-R68W	MD Reference:	WELL @ 5122.0ft (Original Well Elev)
Well:	SRC Coyle 34ND	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)	
1,168.0	1.70	273.00	1,167.8	-4.0	-15.7	15.8	0.23	0.00	7.87	
1,262.0	3.00	266.20	1,261.7	-4.1	-19.5	19.7	1.41	1.38	-7.23	
1,355.0	4.70	268.30	1,354.5	-4.4	-25.8	25.9	1.83	1.83	2.26	
1,449.0	3.90	267.30	1,448.2	-4.6	-32.8	33.0	0.85	-0.85	-1.06	
1,543.0	3.70	247.90	1,542.0	-5.9	-38.8	39.0	1.38	-0.21	-20.64	
1,637.0	4.90	227.50	1,635.8	-9.8	-44.6	45.0	2.05	1.28	-21.70	
1,730.0	7.50	254.60	1,728.2	-14.1	-53.4	53.9	4.14	2.80	29.14	
1,824.0	8.10	261.60	1,821.4	-16.7	-65.8	66.5	1.19	0.64	7.45	
1,918.0	9.40	265.30	1,914.3	-18.3	-80.0	80.7	1.51	1.38	3.94	
2,011.0	10.10	268.30	2,005.9	-19.1	-95.8	96.5	0.93	0.75	3.23	
2,105.0	10.10	268.80	2,098.5	-19.6	-112.2	112.9	0.09	0.00	0.53	
2,199.0	9.90	266.90	2,191.0	-20.2	-128.6	129.3	0.41	-0.21	-2.02	
2,293.0	10.60	270.90	2,283.5	-20.5	-145.3	146.0	1.06	0.74	4.26	
2,386.0	10.90	274.40	2,374.9	-19.7	-162.6	163.2	0.77	0.32	3.76	
2,480.0	10.90	273.40	2,467.2	-18.4	-180.3	180.9	0.20	0.00	-1.06	
2,573.0	11.50	270.00	2,558.4	-17.9	-198.4	198.9	0.96	0.65	-3.66	
2,667.0	11.20	272.20	2,650.6	-17.6	-216.9	217.4	0.56	-0.32	2.34	
2,761.0	10.20	268.60	2,743.0	-17.4	-234.3	234.8	1.28	-1.06	-3.83	
2,855.0	10.30	264.60	2,835.5	-18.4	-251.0	251.5	0.76	0.11	-4.26	
2,948.0	10.50	273.00	2,927.0	-18.8	-267.7	268.3	1.64	0.22	9.03	
3,042.0	10.30	271.40	3,019.4	-18.1	-284.7	285.2	0.37	-0.21	-1.70	
3,136.0	10.50	268.50	3,111.9	-18.1	-301.7	302.1	0.60	0.21	-3.09	
3,230.0	10.60	271.40	3,204.3	-18.1	-318.9	319.3	0.57	0.11	3.09	
3,323.0	10.10	270.00	3,295.8	-17.9	-335.6	336.0	0.60	-0.54	-1.51	
3,417.0	9.80	260.70	3,388.4	-19.2	-351.7	352.2	1.74	-0.32	-9.89	
3,511.0	11.20	263.20	3,480.8	-21.6	-368.7	369.2	1.57	1.49	2.66	
3,605.0	11.20	270.40	3,573.0	-22.6	-386.9	387.5	1.49	0.00	7.66	
3,698.0	10.90	273.60	3,664.3	-22.0	-404.7	405.2	0.73	-0.32	3.44	
3,792.0	11.90	271.80	3,756.4	-21.1	-423.2	423.7	1.13	1.06	-1.91	
3,886.0	12.00	272.30	3,848.4	-20.4	-442.7	443.1	0.15	0.11	0.53	
3,979.0	12.30	270.70	3,939.3	-19.9	-462.2	462.7	0.48	0.32	-1.72	
4,073.0	12.10	267.10	4,031.2	-20.3	-482.1	482.5	0.84	-0.21	-3.83	
4,167.0	11.30	261.80	4,123.2	-22.1	-501.0	501.5	1.42	-0.85	-5.64	
4,260.0	12.00	262.50	4,214.3	-24.7	-519.6	520.2	0.77	0.75	0.75	
4,354.0	10.90	263.40	4,306.4	-27.0	-538.2	538.8	1.19	-1.17	0.96	
4,448.0	11.70	266.00	4,398.6	-28.7	-556.5	557.2	1.01	0.85	2.77	
4,542.0	10.90	264.40	4,490.8	-30.2	-574.9	575.6	0.91	-0.85	-1.70	
4,635.0	10.50	266.00	4,582.2	-31.6	-592.1	592.9	0.54	-0.43	1.72	
4,729.0	11.20	267.90	4,674.5	-32.6	-609.7	610.5	0.84	0.74	2.02	
4,822.0	10.60	269.90	4,765.8	-32.9	-627.3	628.1	0.76	-0.65	2.15	
4,916.0	10.70	271.60	4,858.2	-32.7	-644.7	645.5	0.35	0.11	1.81	
5,010.0	10.40	272.20	4,950.6	-32.1	-661.9	662.6	0.34	-0.32	0.64	
5,104.0	9.40	267.90	5,043.2	-32.1	-678.0	678.8	1.32	-1.06	-4.57	
5,198.0	10.30	269.90	5,135.8	-32.4	-694.1	694.8	1.02	0.96	2.13	
5,291.0	10.90	269.90	5,227.2	-32.4	-711.2	711.9	0.65	0.65	0.00	
5,385.0	10.20	270.60	5,319.6	-32.3	-728.4	729.1	0.76	-0.74	0.74	
5,479.0	10.50	267.10	5,412.1	-32.7	-745.3	746.0	0.74	0.32	-3.72	
5,572.0	11.10	265.30	5,503.5	-33.8	-762.7	763.4	0.74	0.65	-1.94	
5,666.0	9.60	267.00	5,595.9	-35.0	-779.5	780.3	1.63	-1.60	1.81	
5,760.0	9.80	268.30	5,688.6	-35.6	-795.4	796.1	0.32	0.21	1.38	
5,854.0	11.30	273.00	5,781.0	-35.4	-812.5	813.3	1.84	1.60	5.00	
5,948.0	11.00	268.60	5,873.2	-35.1	-830.7	831.4	0.96	-0.32	-4.68	
6,041.0	10.50	270.00	5,964.6	-35.4	-848.1	848.8	0.61	-0.54	1.51	
6,135.0	11.30	266.50	6,056.9	-35.9	-865.8	866.6	1.10	0.85	-3.72	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Coyle 34ND
Project:	SEC.34-T4N-R68W	TVD Reference:	WELL @ 5122.0ft (Original Well Elev)
Site:	SRC Coyle 31-34D Pad Sec.34-T4N-R68W	MD Reference:	WELL @ 5122.0ft (Original Well Elev)
Well:	SRC Coyle 34ND	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)
6,229.0	10.70	267.20	6,149.2	-36.9	-883.7	884.5	0.65	-0.64	0.74
6,323.0	12.40	269.70	6,241.3	-37.4	-902.5	903.3	1.88	1.81	2.66
6,416.0	11.80	267.60	6,332.2	-37.8	-922.0	922.8	0.80	-0.65	-2.26
6,510.0	11.70	268.50	6,424.2	-38.5	-941.1	941.9	0.22	-0.11	0.96
6,604.0	11.40	269.20	6,516.3	-38.9	-960.0	960.7	0.35	-0.32	0.74
6,698.0	12.50	269.20	6,608.3	-39.1	-979.4	980.2	1.17	1.17	0.00
6,791.0	10.60	269.50	6,699.4	-39.3	-998.0	998.8	2.04	-2.04	0.32
6,885.0	10.60	269.70	6,791.8	-39.5	-1,015.3	1,016.1	0.04	0.00	0.21
6,979.0	6.70	286.40	6,884.7	-38.0	-1,029.2	1,029.9	4.89	-4.15	17.77
7,073.0	6.50	286.90	6,978.1	-34.9	-1,039.6	1,040.2	0.22	-0.21	0.53
7,166.0	4.00	264.60	7,070.7	-33.6	-1,047.9	1,048.4	3.42	-2.69	-23.98
7,207.6	3.98	260.09	7,112.2	-34.0	-1,050.7	1,051.3	0.76	-0.04	-10.85
TARGET CIRCLE 1321'FNL & 2468'FEL - NIOBRARA TARGET 1321'FNL & 2468'FEL									
7,213.7	3.98	259.42	7,118.3	-34.1	-1,051.2	1,051.7	0.76	0.00	-10.88
PERMIT TARGET 1325'FNL & 2556'FEL									
7,260.0	4.00	254.40	7,164.5	-34.8	-1,054.3	1,054.8	0.76	0.03	-10.85
7,354.0	4.00	255.10	7,258.3	-36.6	-1,060.6	1,061.2	0.05	0.00	0.74
7,447.0	3.80	269.30	7,351.0	-37.4	-1,066.8	1,067.5	1.06	-0.22	15.27
7,541.0	4.20	258.10	7,444.8	-38.2	-1,073.3	1,074.0	0.93	0.43	-11.91
7,635.0	3.00	253.50	7,538.6	-39.6	-1,079.0	1,079.8	1.31	-1.28	-4.89
7,729.0	2.10	251.80	7,632.5	-40.8	-1,083.0	1,083.8	0.96	-0.96	-1.81
7,823.0	1.40	245.80	7,726.5	-41.8	-1,085.7	1,086.5	0.77	-0.74	-6.38
7,916.0	1.00	234.70	7,819.5	-42.8	-1,087.4	1,088.3	0.50	-0.43	-11.94
8,010.0	1.10	223.30	7,913.5	-43.9	-1,088.7	1,089.6	0.25	0.11	-12.13
8,099.2	1.10	226.81	8,002.7	-45.1	-1,089.9	1,090.8	0.08	0.00	3.94
HARDLINE 75'W OF BHL									
8,104.0	1.10	227.00	8,007.4	-45.2	-1,090.0	1,090.9	0.08	0.00	3.93
8,146.0	1.10	227.00	8,049.4	-45.7	-1,090.6	1,091.5	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
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