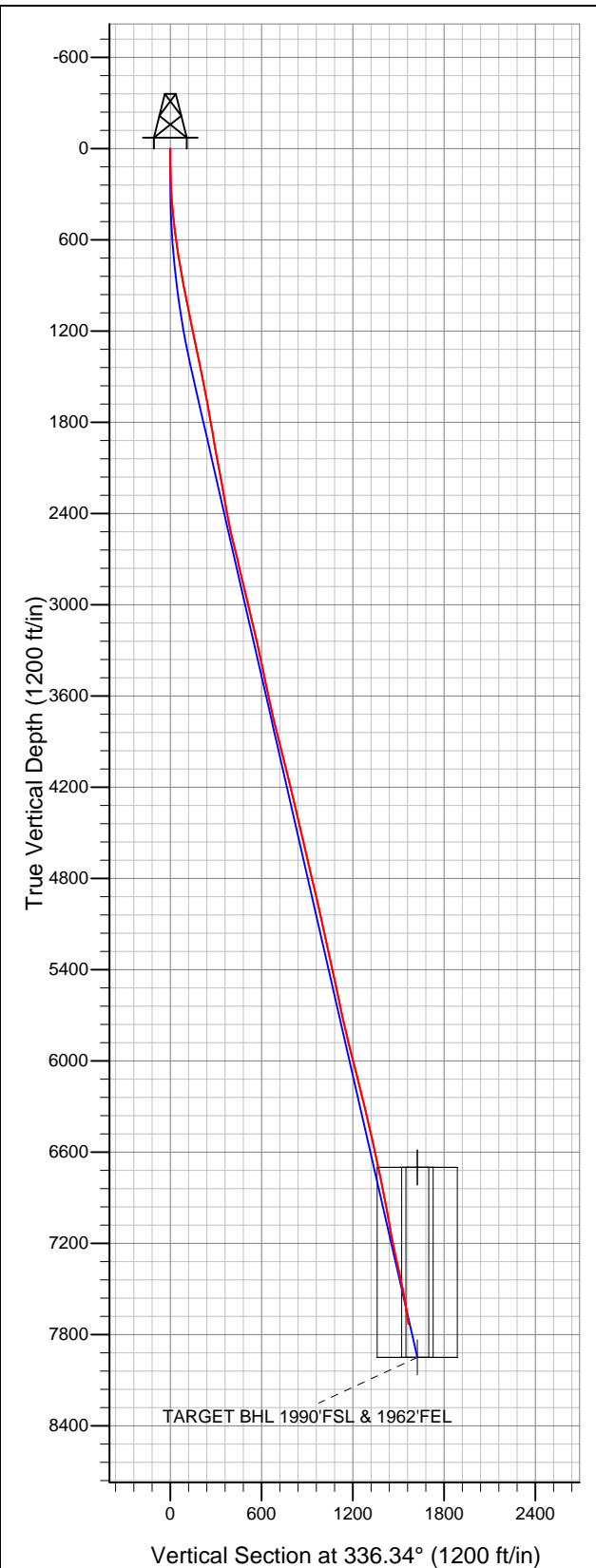


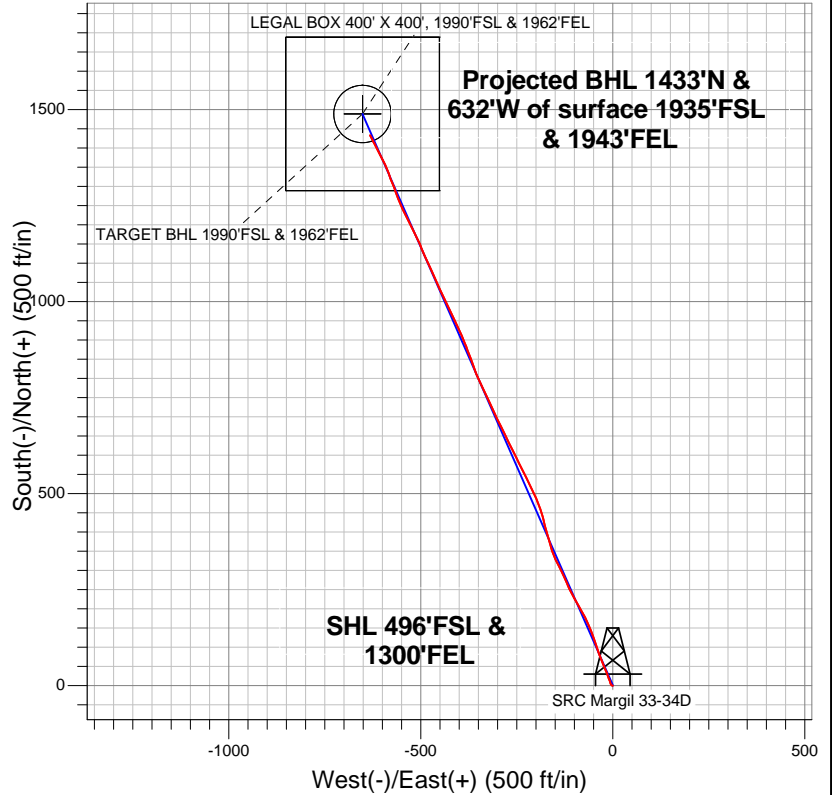
Well Name: SRC Margil 33-34D

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	1339429.71	3143852.91	40.263986	-104.984523	
Original Well Elev		WELL @ 5104.0ft (Original Well Elev)				



Synergy Resources



- LEGEND
- Wellbore #1
 - SRC Margil 33-34D, Wellbore #1, Plan #2 (6-11-12) R V0
 - Survey #1

Final Survey Plot

Projected Final Survey -
7896'MD & 7729'TVD @ 1566'VS
8.40 deg Inc 330.20 deg AZ

Project: SEC.34-T4N-R68W
Site: SRC Margil 34-34D Pad Sec.34-T4N-R68W
Well: SRC Margil 33-34D
Plan: Wellbore #1



Synergy Resources

SEC.34-T4N-R68W

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

SRC Margil 33-34D

Wellbore #1

Survey: Survey #1

Standard Survey Report

21 June, 2012

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Margil 33-34D
Project:	SEC.34-T4N-R68W	TVD Reference:	WELL @ 5104.0ft (Original Well Elev)
Site:	SRC Margil 34-34D Pad Sec.34-T4N-R68W	MD Reference:	WELL @ 5104.0ft (Original Well Elev)
Well:	SRC Margil 33-34D	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 34-34D Pad Sec.34-T4N-R68W			
Site Position:		Northing:		1,339,412.39 ft	
From:	Lat/Long	Easting:		Longitude:	
		3,143,817.01 ft		-104.984652	
Position Uncertainty:		Slot Radius:		Grid Convergence:	
0.0 ft		"		0.33 °	

Well	SRC Margil 33-34D					
Well Position	+N/-S	0.0 ft	Northing:	1,339,429.71 ft	Latitude:	40.263986
	+E/-W	0.0 ft	Easting:	3,143,852.91 ft	Longitude:	-104.984523
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	6/11/2012	8.84	66.87	52,930

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 (°)	
	7,950.0	0.0	0.0	336.34	

Survey Program		Date	6/21/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
94.0	7,896.0	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
	94.0	1.60	271.30	94.0	0.0	-1.3	0.6	1.70	1.70	0.00
	185.0	2.00	316.30	184.9	1.2	-3.7	2.6	1.57	0.44	49.45
	275.0	3.40	342.50	274.8	4.9	-5.6	6.7	2.04	1.56	29.11
	369.0	4.60	337.40	368.6	11.0	-7.9	13.3	1.33	1.28	-5.43
	461.0	5.80	339.80	460.2	18.8	-10.9	21.6	1.33	1.30	2.61
	552.0	6.90	339.70	550.7	28.2	-14.4	31.6	1.21	1.21	-0.11
	644.0	8.30	338.60	641.9	39.6	-18.7	43.8	1.53	1.52	-1.20
	734.0	8.90	337.70	730.9	52.1	-23.7	57.2	0.68	0.67	-1.00
	825.0	10.60	338.10	820.5	66.4	-29.5	72.6	1.87	1.87	0.44
	917.0	10.80	340.70	910.9	82.4	-35.5	89.7	0.57	0.22	2.83
	965.0	11.20	341.20	958.1	91.0	-38.5	98.8	0.86	0.83	1.04
1,044.0	12.00	340.70	1,035.4	106.0	-43.7	114.7	1.02	1.01	-0.63	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Margil 33-34D
Project:	SEC.34-T4N-R68W	TVD Reference:	WELL @ 5104.0ft (Original Well Elev)
Site:	SRC Margil 34-34D Pad Sec.34-T4N-R68W	MD Reference:	WELL @ 5104.0ft (Original Well Elev)
Well:	SRC Margil 33-34D	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)	
1,138.0	12.00	340.70	1,127.4	124.5	-50.1	134.1	0.00	0.00	0.00	
1,231.0	11.60	338.80	1,218.4	142.3	-56.7	153.1	0.60	-0.43	-2.04	
1,325.0	12.00	335.80	1,310.4	160.0	-64.1	172.3	0.78	0.43	-3.19	
1,419.0	11.20	333.30	1,402.5	177.1	-72.3	191.2	1.00	-0.85	-2.66	
1,512.0	11.10	330.00	1,493.8	192.9	-80.8	209.1	0.69	-0.11	-3.55	
1,606.0	10.50	329.60	1,586.1	208.2	-89.6	226.6	0.64	-0.64	-0.43	
1,700.0	10.70	332.10	1,678.5	223.3	-98.1	243.8	0.53	0.21	2.66	
1,793.0	10.40	331.40	1,769.9	238.3	-106.1	260.8	0.35	-0.32	-0.75	
1,887.0	9.80	334.60	1,862.5	252.9	-113.6	277.3	0.87	-0.64	3.40	
1,981.0	10.10	337.00	1,955.1	267.7	-120.3	293.5	0.54	0.32	2.55	
2,075.0	10.50	335.60	2,047.5	283.1	-127.0	310.3	0.50	0.43	-1.49	
2,168.0	10.20	334.40	2,139.0	298.3	-134.1	327.0	0.40	-0.32	-1.29	
2,262.0	10.30	332.50	2,231.5	313.2	-141.6	343.7	0.38	0.11	-2.02	
2,356.0	10.00	335.40	2,324.1	328.1	-148.8	360.3	0.63	-0.32	3.09	
2,449.0	10.10	337.00	2,415.6	343.0	-155.4	376.5	0.32	0.11	1.72	
2,543.0	13.00	344.90	2,507.7	360.8	-161.4	395.2	3.51	3.09	8.40	
2,637.0	14.20	345.10	2,599.1	382.1	-167.1	417.0	1.28	1.28	0.21	
2,731.0	13.20	343.50	2,690.4	403.5	-173.1	439.1	1.14	-1.06	-1.70	
2,824.0	12.20	345.10	2,781.1	423.2	-178.6	459.3	1.14	-1.08	1.72	
2,918.0	14.60	343.20	2,872.6	444.2	-184.6	480.9	2.60	2.55	-2.02	
3,012.0	14.30	340.90	2,963.6	466.5	-191.8	504.3	0.69	-0.32	-2.45	
3,105.0	13.20	339.00	3,053.9	487.2	-199.4	526.3	1.28	-1.18	-2.04	
3,199.0	12.50	334.20	3,145.6	506.4	-207.7	547.2	1.36	-0.74	-5.11	
3,293.0	12.80	330.90	3,237.3	524.7	-217.2	567.7	0.83	0.32	-3.51	
3,387.0	12.00	332.80	3,329.1	542.5	-226.7	587.8	0.96	-0.85	2.02	
3,480.0	11.80	335.30	3,420.1	559.7	-235.1	607.0	0.59	-0.22	2.69	
3,574.0	12.60	333.70	3,512.0	577.6	-243.7	626.9	0.92	0.85	-1.70	
3,668.0	11.80	334.70	3,603.9	595.5	-252.3	646.7	0.88	-0.85	1.06	
3,761.0	12.40	333.20	3,694.8	613.0	-260.9	666.2	0.73	0.65	-1.61	
3,855.0	14.30	333.90	3,786.2	632.5	-270.5	687.9	2.03	2.02	0.74	
3,949.0	14.20	333.70	3,877.4	653.2	-280.7	711.0	0.12	-0.11	-0.21	
4,043.0	13.90	333.30	3,968.5	673.6	-290.9	733.8	0.34	-0.32	-0.43	
4,136.0	13.40	334.20	4,058.9	693.3	-300.6	755.7	0.58	-0.54	0.97	
4,230.0	13.90	336.00	4,150.3	713.4	-310.0	777.9	0.70	0.53	1.91	
4,324.0	14.40	335.10	4,241.4	734.4	-319.5	800.8	0.58	0.53	-0.96	
4,417.0	13.50	334.70	4,331.7	754.7	-329.0	823.3	0.97	-0.97	-0.43	
4,511.0	12.90	334.00	4,423.2	774.0	-338.3	844.7	0.66	-0.64	-0.74	
4,605.0	12.70	334.70	4,514.8	792.8	-347.3	865.5	0.27	-0.21	0.74	
4,698.0	12.80	338.40	4,605.5	811.6	-355.5	886.0	0.88	0.11	3.98	
4,792.0	12.80	340.20	4,697.2	831.1	-362.8	906.8	0.42	0.00	1.91	
4,886.0	14.20	339.80	4,788.6	851.7	-370.3	928.7	1.49	1.49	-0.43	
4,980.0	13.50	339.50	4,879.9	872.8	-378.1	951.2	0.75	-0.74	-0.32	
5,073.0	12.40	338.40	4,970.5	892.3	-385.6	972.0	1.21	-1.18	-1.18	
5,167.0	12.00	337.40	5,062.4	910.7	-393.1	991.9	0.48	-0.43	-1.06	
5,261.0	12.80	333.50	5,154.2	929.0	-401.5	1,012.0	1.23	0.85	-4.15	
5,354.0	12.80	334.60	5,244.9	947.5	-410.5	1,032.6	0.26	0.00	1.18	
5,448.0	11.60	335.60	5,336.8	965.5	-418.9	1,052.5	1.30	-1.28	1.06	
5,542.0	12.10	334.70	5,428.8	983.1	-427.0	1,071.8	0.57	0.53	-0.96	
5,636.0	12.30	335.30	5,520.6	1,001.1	-435.4	1,091.6	0.25	0.21	0.64	
5,730.0	11.70	334.00	5,612.6	1,018.7	-443.8	1,111.2	0.70	-0.64	-1.38	
5,823.0	12.40	333.00	5,703.5	1,036.1	-452.4	1,130.6	0.79	0.75	-1.08	
5,917.0	13.50	336.00	5,795.1	1,055.1	-461.5	1,151.6	1.37	1.17	3.19	
6,011.0	14.40	337.40	5,886.4	1,075.9	-470.4	1,174.3	1.02	0.96	1.49	
6,105.0	13.80	334.70	5,977.5	1,096.9	-479.7	1,197.2	0.95	-0.64	-2.87	

Company:	Synergy Resources	Local Co-ordinate Reference:	Well SRC Margil 33-34D
Project:	SEC.34-T4N-R68W	TVD Reference:	WELL @ 5104.0ft (Original Well Elev)
Site:	SRC Margil 34-34D Pad Sec.34-T4N-R68W	MD Reference:	WELL @ 5104.0ft (Original Well Elev)
Well:	SRC Margil 33-34D	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)	
6,198.0	14.20	335.80	6,067.8	1,117.3	-489.1	1,219.7	0.52	0.43	1.18	
6,292.0	13.80	338.40	6,159.0	1,138.2	-498.0	1,242.4	0.79	-0.43	2.77	
6,386.0	14.10	333.50	6,250.2	1,158.9	-507.2	1,265.0	1.30	0.32	-5.21	
6,480.0	13.90	334.00	6,341.4	1,179.3	-517.3	1,287.7	0.25	-0.21	0.53	
6,573.0	12.90	333.30	6,431.9	1,198.6	-526.8	1,309.3	1.09	-1.08	-0.75	
6,667.0	12.00	334.40	6,523.7	1,216.8	-535.8	1,329.5	0.99	-0.96	1.17	
6,761.0	12.00	334.90	6,615.6	1,234.5	-544.1	1,349.1	0.11	0.00	0.53	
6,855.0	12.30	334.70	6,707.5	1,252.4	-552.6	1,368.8	0.32	0.32	-0.21	
6,901.2	12.09	337.39	6,752.7	1,261.3	-556.5	1,378.6	1.31	-0.46	5.82	
LEGAL BOX 400' X 400', 1990'FSL & 1962'FEL - TARGET CIRCLE 1990'FSL & 1962'FEL										
6,948.0	11.90	340.20	6,798.5	1,270.3	-560.0	1,388.3	1.31	-0.40	6.01	
7,042.0	11.00	341.10	6,890.6	1,287.9	-566.2	1,406.9	0.98	-0.96	0.96	
7,136.0	10.70	336.00	6,982.9	1,304.4	-572.7	1,424.6	1.07	-0.32	-5.43	
7,230.0	10.60	338.40	7,075.3	1,320.4	-579.4	1,441.9	0.48	-0.11	2.55	
7,323.0	9.80	343.70	7,166.8	1,336.0	-584.8	1,458.3	1.33	-0.86	5.70	
7,417.0	11.50	336.30	7,259.2	1,352.2	-590.8	1,475.6	2.32	1.81	-7.87	
7,511.0	12.80	329.60	7,351.1	1,369.8	-599.8	1,495.4	2.04	1.38	-7.13	
7,604.0	13.20	333.70	7,441.7	1,388.2	-609.8	1,516.2	1.08	0.43	4.41	
7,698.0	10.80	334.20	7,533.7	1,405.7	-618.3	1,535.7	2.56	-2.55	0.53	
7,792.0	8.10	333.20	7,626.4	1,419.6	-625.2	1,551.1	2.88	-2.87	-1.06	
7,854.0	8.40	330.20	7,687.7	1,427.4	-629.4	1,560.0	0.85	0.48	-4.84	
7,896.0	8.40	330.20	7,729.3	1,432.7	-632.4	1,566.1	0.00	0.00	0.00	
TARGET BHL 1990'FSL & 1962'FEL										

Checked By: _____	Approved By: _____	Date: _____
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