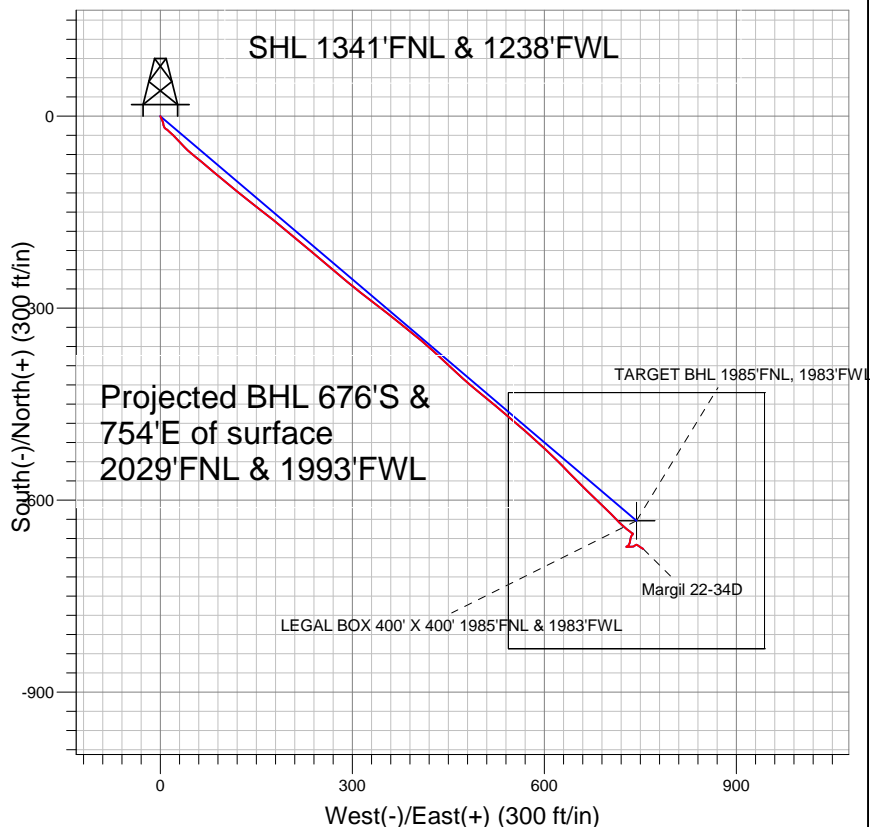


## Synergy Resources



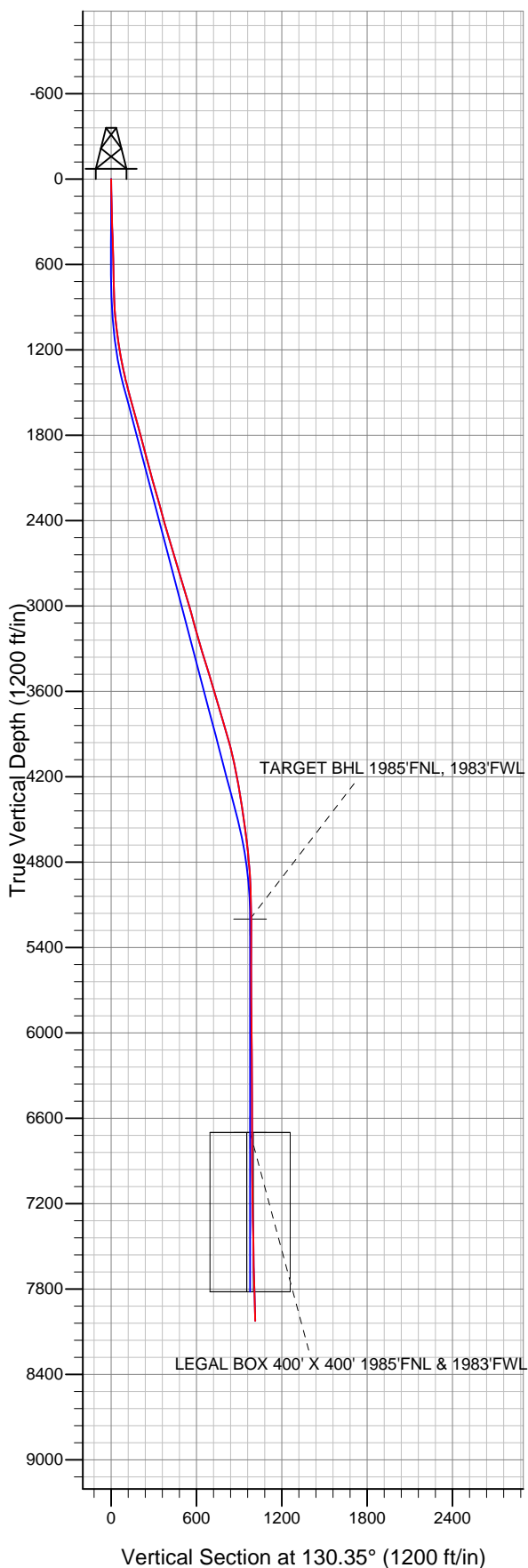
### LEGEND

- Margil 22-34D, Wellbore #1, Plan #1 (5-23-11) V0
- Wellbore #1
- Survey #1

## Final Survey Plot

Projected Final Survey -  
 8148'MD & 8025'TVD @ 1013'VS  
 1.2 deg Inc 127.3 deg AZ

Project: SEC.34-T4N-R68W  
 Site: Margil 11-34D Pad Sec.34-T4N-R68W  
 Well: Margil 22-34D  
 Plan: Wellbore #1





## **Directional**

### **Synergy Resources**

**SEC.34-T4N-R68W**

**Margil 11-34D Pad Sec.34-T4N-R68W**

**Margil 22-34D**

**Wellbore #1**

**Survey: Survey #1**

### **Standard Survey Report**

**15 August, 2011**



<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well Margil 22-34D
<b>Project:</b>	SEC.34-T4N-R68W	<b>TVD Reference:</b>	WELL @ 5119.0ft (Original Well Elev)
<b>Site:</b>	Margil 11-34D Pad Sec.34-T4N-R68W	<b>MD Reference:</b>	WELL @ 5119.0ft (Original Well Elev)
<b>Well:</b>	Margil 22-34D	<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)
1,390.0	12.80	128.50	1,383.8	-71.4	64.3	95.2	1.95	1.91	-1.70
1,484.0	15.10	131.00	1,475.0	-85.9	81.7	117.9	2.53	2.45	2.66
1,577.0	14.90	129.40	1,564.8	-101.5	100.1	142.0	0.49	-0.22	-1.72
1,671.0	15.40	128.20	1,655.6	-116.8	119.2	166.5	0.63	0.53	-1.28
1,765.0	15.40	128.90	1,746.2	-132.4	138.7	191.5	0.20	0.00	0.74
1,858.0	14.90	128.20	1,836.0	-147.6	157.7	215.8	0.57	-0.54	-0.75
1,952.0	14.70	127.60	1,926.9	-162.3	176.7	239.7	0.27	-0.21	-0.64
2,045.0	14.80	131.00	2,016.8	-177.3	195.0	263.4	0.94	0.11	3.66
2,140.0	15.90	129.70	2,108.4	-193.6	214.2	288.6	1.21	1.16	-1.37
2,234.0	15.60	129.60	2,198.9	-209.8	233.8	314.1	0.32	-0.32	-0.11
2,328.0	15.60	129.60	2,289.4	-226.0	253.3	339.3	0.00	0.00	0.00
2,422.0	15.10	130.40	2,380.1	-242.0	272.4	364.2	0.58	-0.53	0.85
2,515.0	16.20	130.30	2,469.6	-258.2	291.5	389.3	1.18	1.18	-0.11
2,609.0	17.30	128.00	2,559.6	-275.3	312.5	416.4	1.37	1.17	-2.45
2,703.0	16.90	127.80	2,649.5	-292.3	334.3	444.0	0.43	-0.43	-0.21
2,796.0	15.90	128.00	2,738.7	-308.4	355.0	470.2	1.08	-1.08	0.22
2,890.0	17.30	128.70	2,828.8	-325.1	376.1	497.1	1.50	1.49	0.74
2,984.0	16.70	128.70	2,918.6	-342.2	397.5	524.5	0.64	-0.64	0.00
3,077.0	15.90	131.70	3,007.9	-359.1	417.5	550.6	1.25	-0.86	3.23
3,171.0	14.90	132.60	3,098.5	-375.8	436.0	575.6	1.09	-1.06	0.96
3,265.0	16.00	133.80	3,189.1	-393.0	454.2	600.6	1.22	1.17	1.28
3,358.0	16.10	131.10	3,278.5	-410.3	473.2	626.3	0.81	0.11	-2.90
3,452.0	17.50	129.90	3,368.5	-427.9	493.9	653.5	1.53	1.49	-1.28
3,546.0	17.40	129.00	3,458.2	-445.9	515.6	681.6	0.31	-0.11	-0.96
3,640.0	16.50	130.80	3,548.1	-463.4	536.7	709.0	1.11	-0.96	1.91
3,734.0	16.10	129.90	3,638.3	-480.5	556.8	735.4	0.50	-0.43	-0.96
3,828.0	16.30	131.90	3,728.6	-497.7	576.6	761.6	0.63	0.21	2.13
3,921.0	16.40	133.10	3,817.8	-515.4	595.9	787.8	0.38	0.11	1.29
4,015.0	16.80	133.60	3,907.9	-533.8	615.4	814.6	0.45	0.43	0.53
4,108.0	14.80	136.40	3,997.4	-551.7	633.3	839.9	2.30	-2.15	3.01
4,202.0	12.00	135.40	4,088.8	-567.3	648.5	861.5	2.99	-2.98	-1.06
4,296.0	10.70	134.00	4,181.0	-580.3	661.6	880.0	1.41	-1.38	-1.49
4,389.0	9.80	133.40	4,272.5	-591.8	673.6	896.5	0.97	-0.97	-0.65
4,483.0	9.10	135.20	4,365.2	-602.6	684.6	911.9	0.81	-0.74	1.91
4,577.0	8.50	133.10	4,458.1	-612.6	694.9	926.2	0.72	-0.64	-2.23
4,670.0	7.60	134.70	4,550.2	-621.6	704.3	939.2	1.00	-0.97	1.72
4,764.0	6.90	136.20	4,643.4	-630.0	712.7	951.0	0.77	-0.74	1.60
4,859.0	6.00	134.30	4,737.8	-637.6	720.2	961.7	0.97	-0.95	-2.00
4,952.0	4.90	128.30	4,830.4	-643.5	726.8	970.5	1.33	-1.18	-6.45
5,046.0	3.30	130.10	4,924.2	-647.7	732.0	977.2	1.71	-1.70	1.91
5,140.0	1.30	122.70	5,018.1	-650.0	734.9	981.0	2.15	-2.13	-7.87
5,234.0	1.20	131.30	5,112.1	-651.3	736.6	983.0	0.23	-0.11	9.15
5,321.9	0.52	87.97	5,200.0	-651.9	737.7	984.2	1.02	-0.77	-49.30
<b>TARGET BHL 1985'FNL, 1983'FWL</b>									
5,328.0	0.50	81.40	5,206.1	-651.9	737.7	984.3	1.02	-0.35	-107.59
5,515.0	0.40	180.90	5,393.1	-652.4	738.5	985.2	0.37	-0.05	53.21
5,703.0	0.50	238.00	5,581.0	-653.5	737.8	985.4	0.23	0.05	30.37
5,891.0	1.10	211.70	5,769.0	-655.4	736.2	985.4	0.37	0.32	-13.99
6,078.0	1.10	192.30	5,956.0	-658.7	734.8	986.5	0.20	0.00	-10.37
6,266.0	1.30	189.30	6,144.0	-662.6	734.1	988.5	0.11	0.11	-1.60
6,454.0	1.00	190.70	6,331.9	-666.3	733.5	990.4	0.16	-0.16	0.74
6,640.0	1.00	212.50	6,517.9	-669.3	732.3	991.4	0.20	0.00	11.72
6,821.6	0.80	235.99	6,699.4	-671.3	730.4	991.3	0.23	-0.11	12.94
<b>LEGAL BOX 400' X 400' 1985'FNL &amp; 1983'FWL</b>									

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well Margil 22-34D
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<b>Site:</b>	Margil 11-34D Pad Sec.34-T4N-R68W	<b>MD Reference:</b>	WELL @ 5119.0ft (Original Well Elev)
<b>Well:</b>	Margil 22-34D	<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)
6,828.0	0.80	237.00	6,705.9	-671.4	730.3	991.3	0.23	-0.06	15.72
7,016.0	0.70	243.60	6,893.9	-672.6	728.2	990.4	0.07	-0.05	3.51
7,203.0	1.90	85.60	7,080.8	-672.9	730.3	992.2	1.37	0.64	-84.49
7,391.0	1.80	90.10	7,268.7	-672.6	736.3	996.6	0.09	-0.05	2.39
7,578.0	1.80	47.10	7,455.6	-670.6	741.4	999.2	0.71	0.00	-22.99
7,764.0	1.40	134.10	7,641.6	-670.2	745.2	1,001.8	1.19	-0.22	46.77
7,951.0	2.10	117.20	7,828.5	-673.4	749.9	1,007.5	0.46	0.37	-9.04
8,104.0	1.20	127.30	7,981.4	-675.6	753.6	1,011.8	0.62	-0.59	6.60
8,148.0	1.20	127.30	8,025.4	-676.2	754.4	1,012.7	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
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