

Well Name: **Pratt 13-29D**

Surface Location: Pratt 24-29D Pad Sec.29-T1N-R68W  
 North American Datum 1983 US State Plane 1983 Colorado Northern Zone

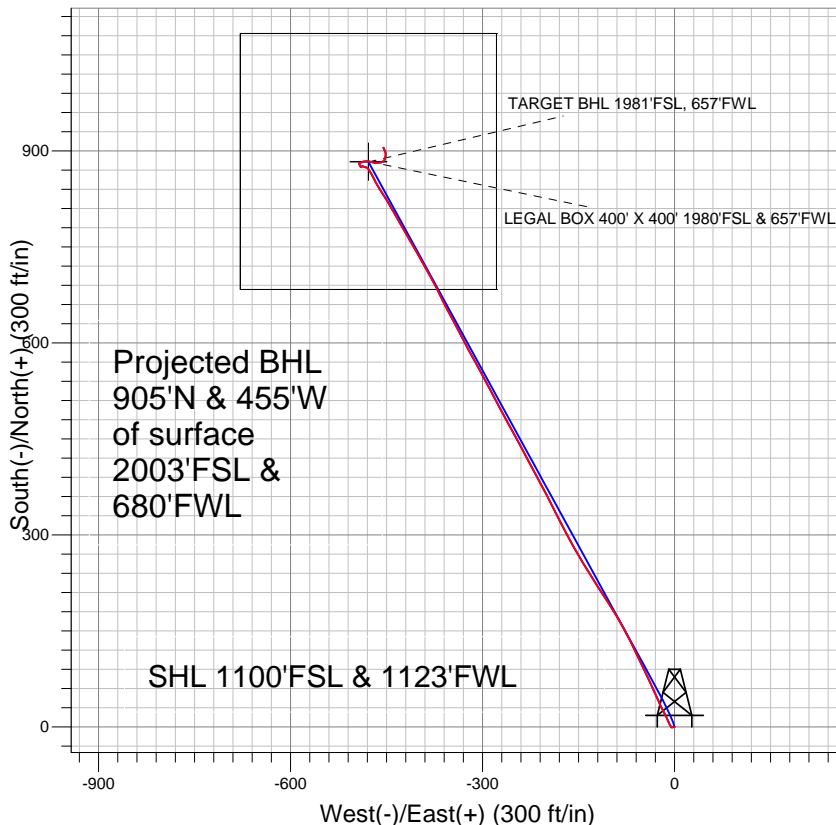
Ground Elevation: 5142.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1249667.83	3130829.78	40.017779	-105.032883

Original Well Elev WELL @ 5155.0ft (Original Well Elev)

Slot

## Synergy Resources



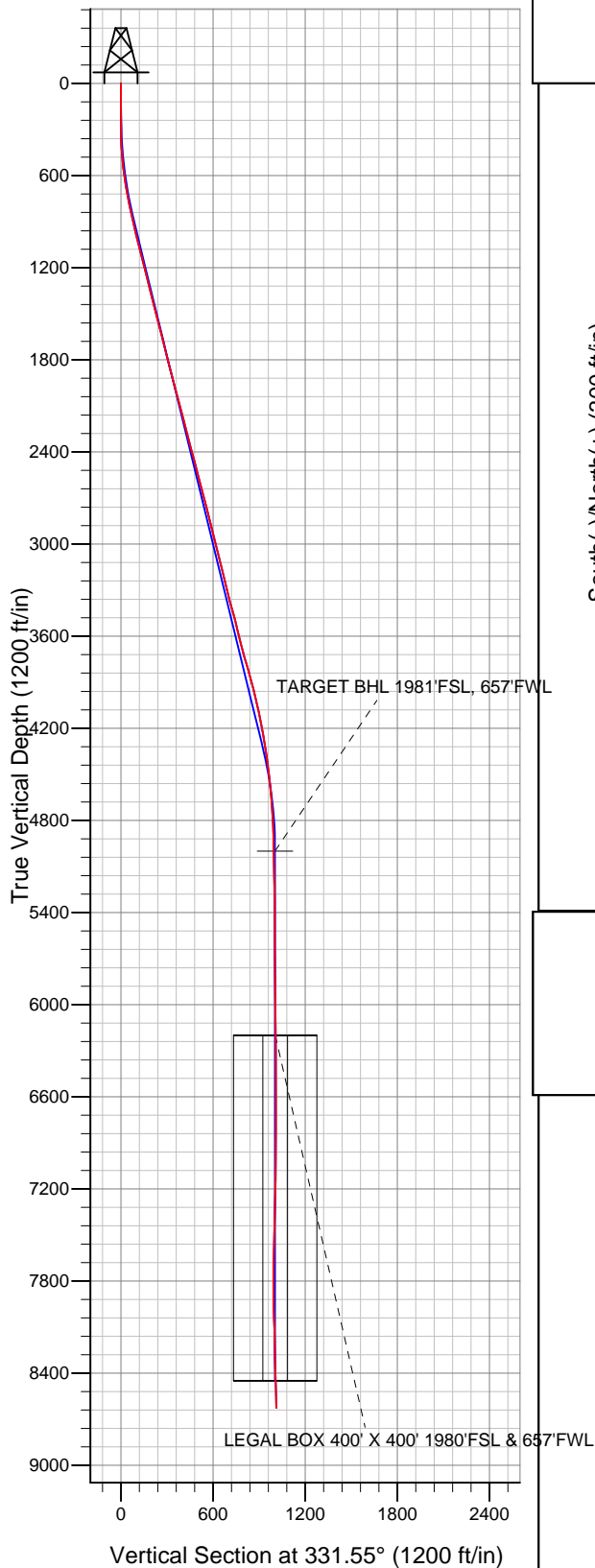
### LEGEND

- Pratt 13-29D, Wellbore #1, Plan #3 (3-21-11) V0
- Wellbore #1
- Survey #1

## Final Survey Plot

Projected Final Survey -  
 8744'MD & 8626'TVD @ 1012'VS  
 1.5 deg Inc 331.1 deg AZ

Project: SEC.29-T1N-R68W  
 Site: Pratt 24-29D Pad Sec.29-T1N-R68W  
 Well: Pratt 13-29D  
 Plan: Wellbore #1





# **Directional**

## **Synergy Resources**

**SEC.29-T1N-R68W**

**Pratt 24-29D Pad Sec.29-T1N-R68W**

**Pratt 13-29D**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**28 March, 2011**

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
	248.0	1.50	251.60	248.0	-1.0	-3.1	0.6	0.60	0.60	0.00
	340.0	1.10	308.50	340.0	-0.9	-4.9	1.6	1.40	-0.43	61.85
	432.0	2.90	335.50	431.9	1.8	-6.6	4.7	2.16	1.96	29.35
	526.0	5.90	335.80	525.6	8.4	-9.5	11.9	3.19	3.19	0.32
	621.0	8.30	333.30	619.9	19.0	-14.6	23.6	2.55	2.53	-2.63
	714.0	10.60	334.10	711.6	32.7	-21.4	38.9	2.48	2.47	0.86
	808.0	12.10	337.20	803.8	49.5	-29.0	57.3	1.72	1.60	3.30
	902.0	13.00	333.00	895.5	68.0	-37.6	77.7	1.36	0.96	-4.47
	1,023.0	13.60	336.20	1,013.3	93.2	-49.5	105.5	0.78	0.50	2.64
	1,117.0	14.00	334.10	1,104.6	113.5	-58.9	127.9	0.68	0.43	-2.23
	1,210.0	14.10	333.10	1,194.8	133.7	-69.0	150.4	0.28	0.11	-1.08
	1,303.0	14.10	332.10	1,285.0	153.8	-79.4	173.1	0.26	0.00	-1.08

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well Pratt 13-29D
<b>Project:</b>	SEC.29-T1N-R68W	<b>TVD Reference:</b>	WELL @ 5155.0ft (Original Well Elev)
<b>Site:</b>	Pratt 24-29D Pad Sec.29-T1N-R68W	<b>MD Reference:</b>	WELL @ 5155.0ft (Original Well Elev)
<b>Well:</b>	Pratt 13-29D	<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)
1,397.0	14.20	328.80	1,376.1	173.8	-90.7	196.1	0.86	0.11	-3.51
1,491.0	14.60	326.30	1,467.2	193.5	-103.3	219.4	0.79	0.43	-2.66
1,584.0	14.50	327.30	1,557.2	213.1	-116.1	242.7	0.29	-0.11	1.08
1,678.0	14.20	327.70	1,648.3	232.7	-128.6	265.9	0.34	-0.32	0.43
1,772.0	14.60	328.90	1,739.3	252.6	-140.9	289.2	0.53	0.43	1.28
1,866.0	14.60	329.80	1,830.3	273.0	-152.9	312.9	0.24	0.00	0.96
1,960.0	14.30	331.70	1,921.3	293.5	-164.4	336.4	0.60	-0.32	2.02
2,054.0	14.80	333.10	2,012.3	314.4	-175.3	360.0	0.65	0.53	1.49
2,148.0	15.00	333.20	2,103.1	336.0	-186.3	384.1	0.21	0.21	0.11
2,241.0	14.60	332.40	2,193.0	357.1	-197.1	407.9	0.48	-0.43	-0.86
2,335.0	14.30	331.90	2,284.1	377.8	-208.1	431.3	0.35	-0.32	-0.53
2,429.0	15.10	332.00	2,375.0	398.9	-219.3	455.2	0.85	0.85	0.11
2,522.0	14.90	332.60	2,464.8	420.2	-230.5	479.3	0.27	-0.22	0.65
2,616.0	14.50	330.80	2,555.7	441.2	-241.8	503.1	0.65	-0.43	-1.91
2,710.0	14.50	331.70	2,646.7	461.8	-253.1	526.6	0.24	0.00	0.96
2,803.0	14.30	331.70	2,736.8	482.2	-264.1	549.8	0.22	-0.22	0.00
2,897.0	14.10	331.90	2,828.0	502.5	-275.0	572.8	0.22	-0.21	0.21
2,991.0	14.20	332.00	2,919.1	522.8	-285.8	595.8	0.11	0.11	0.11
3,084.0	14.20	331.20	3,009.3	542.9	-296.6	618.6	0.21	0.00	-0.86
3,178.0	14.10	332.30	3,100.4	563.1	-307.5	641.6	0.31	-0.11	1.17
3,272.0	13.50	331.60	3,191.7	582.9	-318.0	664.0	0.66	-0.64	-0.74
3,366.0	13.90	331.90	3,283.0	602.5	-328.6	686.3	0.43	0.43	0.32
3,460.0	14.70	332.20	3,374.1	623.0	-339.5	709.5	0.85	0.85	0.32
3,554.0	15.20	331.40	3,464.9	644.4	-350.9	733.7	0.58	0.53	-0.85
3,647.0	14.10	333.70	3,554.9	665.2	-361.8	757.3	1.34	-1.18	2.47
3,741.0	14.40	333.90	3,646.0	686.0	-372.0	780.4	0.32	0.32	0.21
3,835.0	15.00	330.00	3,736.9	707.0	-383.2	804.2	1.23	0.64	-4.15
3,928.0	15.50	330.70	3,826.7	728.3	-395.3	828.7	0.57	0.54	0.75
4,022.0	15.30	330.60	3,917.3	750.1	-407.5	853.6	0.21	-0.21	-0.11
4,115.0	13.50	329.50	4,007.4	770.1	-419.1	876.7	1.96	-1.94	-1.18
4,209.0	12.60	330.60	4,098.9	788.5	-429.7	898.0	0.99	-0.96	1.17
4,303.0	11.00	330.30	4,190.9	805.2	-439.2	917.2	1.70	-1.70	-0.32
4,396.0	9.40	328.30	4,282.5	819.4	-447.5	933.6	1.76	-1.72	-2.15
4,490.0	7.90	327.80	4,375.4	831.4	-455.0	947.7	1.60	-1.60	-0.53
4,585.0	6.90	328.30	4,469.6	841.8	-461.5	960.0	1.05	-1.05	0.53
4,679.0	5.60	332.70	4,563.0	850.6	-466.6	970.2	1.47	-1.38	4.68
4,773.0	4.30	334.40	4,656.7	857.9	-470.2	978.3	1.39	-1.38	1.81
4,866.0	3.80	326.80	4,749.5	863.6	-473.4	984.8	0.79	-0.54	-8.17
4,960.0	2.90	329.40	4,843.3	868.3	-476.3	990.3	0.97	-0.96	2.77
5,053.0	1.10	338.30	4,936.2	871.1	-477.8	993.6	1.96	-1.94	9.57
5,116.9	1.14	319.19	5,000.1	872.2	-478.5	994.8	0.58	0.06	-29.90
<b>TARGET BHL 1981'FSL, 657'FWL</b>									
5,241.0	1.50	291.40	5,124.2	873.7	-480.8	997.2	0.58	0.29	-22.39
5,429.0	1.70	286.90	5,312.1	875.4	-485.8	1,001.1	0.13	0.11	-2.39
5,616.0	0.70	199.20	5,499.1	875.1	-488.8	1,002.3	0.97	-0.53	-46.90
5,804.0	0.30	308.80	5,687.1	874.4	-489.5	1,002.0	0.45	-0.21	58.30
5,992.0	0.70	320.60	5,875.1	875.6	-490.7	1,003.6	0.22	0.21	6.28
6,180.0	0.80	336.60	6,063.1	877.7	-491.9	1,006.0	0.12	0.05	8.51
6,316.9	0.50	343.02	6,200.0	879.1	-492.5	1,007.5	0.22	-0.22	4.68
<b>LEGAL BOX 400' X 400' 1980'FSL &amp; 657'FWL</b>									
6,367.0	0.40	347.70	6,250.0	879.5	-492.6	1,007.9	0.22	-0.21	9.36
6,554.0	0.20	237.50	6,437.0	879.9	-493.0	1,008.5	0.27	-0.11	-58.93
6,742.0	0.70	55.20	6,625.0	880.4	-492.3	1,008.6	0.48	0.27	94.52
6,929.0	1.10	64.40	6,812.0	881.9	-489.8	1,008.7	0.23	0.21	4.92

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<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)	
7,117.0	1.50	77.80	7,000.0	883.2	-485.7	1,007.9	0.27	0.21	7.13	
7,304.0	1.60	92.90	7,186.9	883.5	-480.7	1,005.9	0.22	0.05	8.07	
7,490.0	2.50	103.80	7,372.8	882.4	-474.2	1,001.8	0.53	0.48	5.86	
7,678.0	3.50	91.10	7,560.5	881.4	-464.5	996.2	0.64	0.53	-6.76	
7,865.0	1.80	62.40	7,747.3	882.6	-456.2	993.3	1.13	-0.91	-15.35	
8,053.0	1.60	20.30	7,935.2	886.4	-452.6	995.0	0.66	-0.11	-22.39	
8,240.0	1.70	8.10	8,122.2	891.6	-451.3	999.0	0.19	0.05	-6.52	
8,428.0	1.50	349.10	8,310.1	896.8	-451.4	1,003.5	0.30	-0.11	-10.11	
8,616.0	1.60	331.30	8,498.0	901.5	-453.1	1,008.5	0.26	0.05	-9.47	
8,700.0	1.50	331.10	8,582.0	903.5	-454.2	1,010.8	0.12	-0.12	-0.24	
8,744.0	1.50	331.10	8,626.0	904.5	-454.8	1,011.9	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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