

Well Name: **SRC Pratt 29SD**

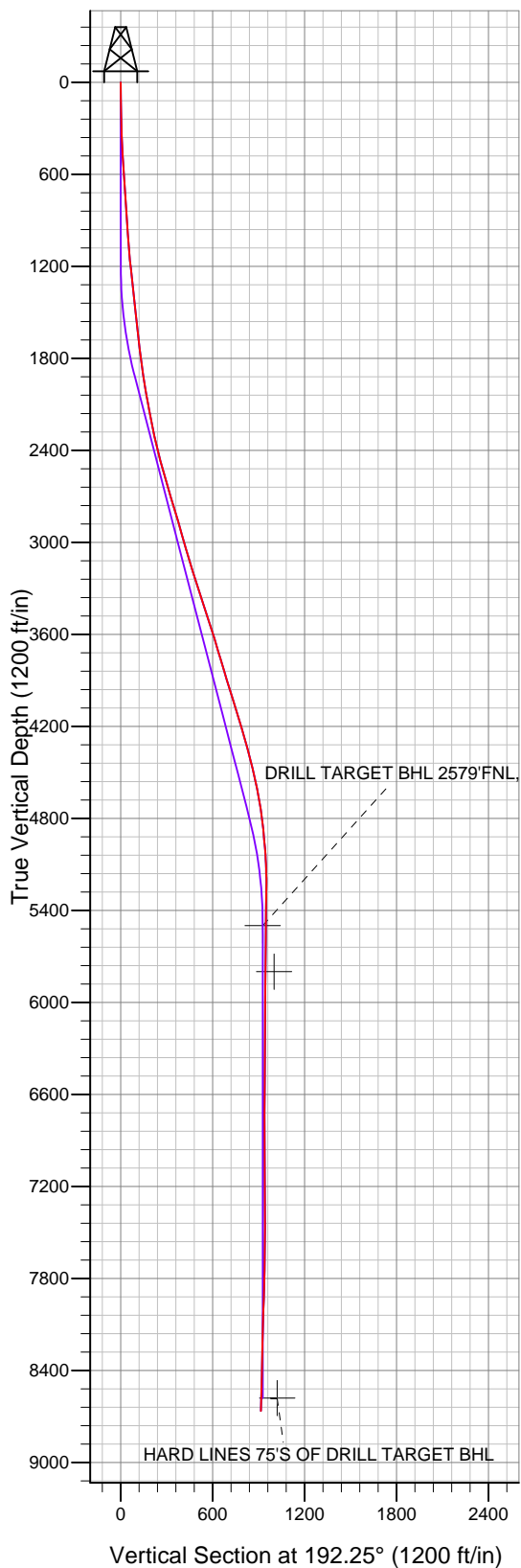
Surface Location: SRC Pratt 41-29D Pad Sec.29-T1N-R68W  
 North American Datum 1983 US State Plane 1983 Colorado Northern Zone

Ground Elevation: 5211.0

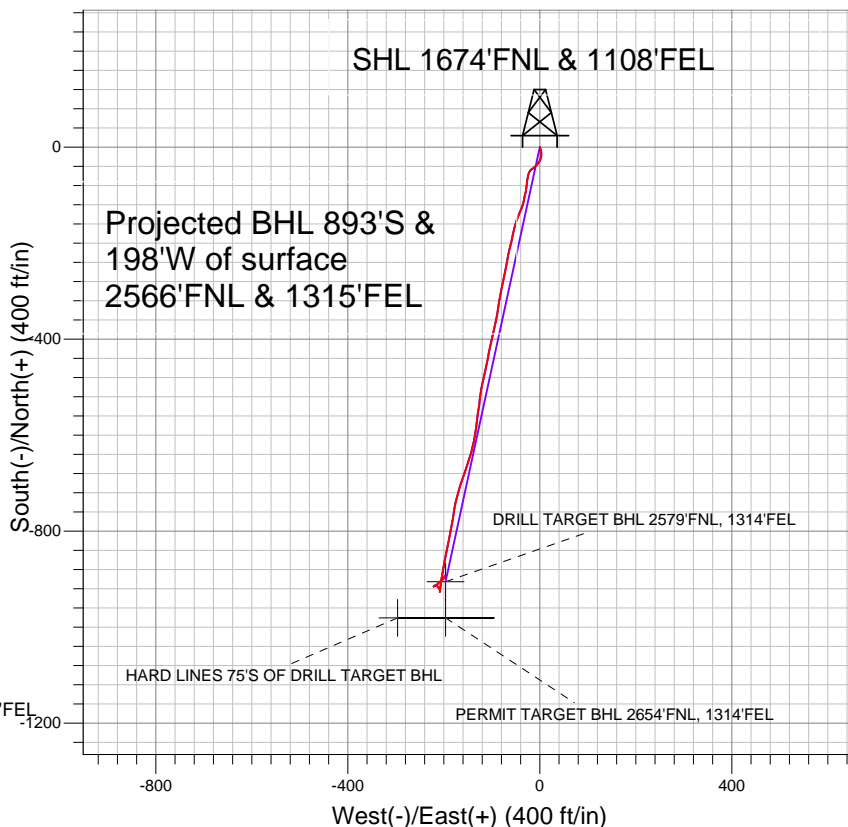
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1252211.46	3133810.18	40.024718	-105.022193

Original Well Elev WELL @ 5224.0ft (Original Well Elev)

Slot



## Synergy Resources



### LEGEND

- SRC Pratt 29SD, Wellbore #1, Plan #1 (3-01-11) V0
- Wellbore #1
- Survey #1

## Final Survey Plot

Projected Final Survey -  
 8780'MD & 8665'TVD, @ 914'VS  
 1.5 deg Inc 22.9 deg AZ

Project: SEC.29-T1N-R68W  
 Site: SRC Pratt 41-29D Pad Sec.29-T1N-R68W  
 Well: SRC Pratt 29SD  
 Plan: Wellbore #1



## **Directional**

### **Synergy Resources**

**SEC.29-T1N-R68W**

**SRC Pratt 41-29D Pad Sec.29-T1N-R68W**

**SRC Pratt 29SD**

**Wellbore #1**

**Survey: Survey #1**

### **Standard Survey Report**

**10 May, 2011**

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)
Survey	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	216.0	1.50	155.30	216.0	-2.6	1.2	2.3	0.69	0.69	0.00
	465.0	3.10	173.80	464.8	-12.2	3.3	11.3	0.70	0.64	7.43
	716.0	5.00	204.70	715.2	-28.9	-0.6	28.4	1.13	0.76	12.31
	903.0	4.30	234.80	901.6	-40.4	-9.7	41.5	1.34	-0.37	16.10
	1,024.0	4.40	231.50	1,022.2	-45.9	-17.0	48.4	0.22	0.08	-2.73
	1,117.0	5.60	207.10	1,114.9	-52.1	-21.9	55.6	2.60	1.29	-26.24
	1,211.0	6.60	192.70	1,208.3	-61.5	-25.2	65.4	1.94	1.06	-15.32
	1,305.0	6.20	180.90	1,301.8	-71.8	-26.4	75.8	1.46	-0.43	-12.55
	1,399.0	5.90	191.40	1,395.2	-81.6	-27.5	85.6	1.22	-0.32	11.17
	1,492.0	6.10	191.10	1,487.7	-91.2	-29.4	95.3	0.22	0.22	-0.32
	1,586.0	6.00	189.70	1,581.2	-100.9	-31.2	105.2	0.19	-0.11	-1.49
	1,680.0	6.50	192.00	1,674.7	-111.0	-33.1	115.5	0.59	0.53	2.45

<b>Company:</b>	Synergy Resources	<b>Local Co-ordinate Reference:</b>	Well SRC Pratt 29SD
<b>Project:</b>	SEC.29-T1N-R68W	<b>TVD Reference:</b>	WELL @ 5224.0ft (Original Well Elev)
<b>Site:</b>	SRC Pratt 41-29D Pad Sec.29-T1N-R68W	<b>MD Reference:</b>	WELL @ 5224.0ft (Original Well Elev)
<b>Well:</b>	SRC Pratt 29SD	<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)
1,773.0	7.60	200.30	1,767.0	-121.9	-36.3	126.8	1.61	1.18	8.92
1,866.0	8.70	201.40	1,859.0	-134.2	-41.0	139.8	1.19	1.18	1.18
1,962.0	8.50	201.80	1,953.9	-147.5	-46.3	154.0	0.22	-0.21	0.42
2,056.0	9.80	197.50	2,046.7	-161.6	-51.3	168.8	1.56	1.38	-4.57
2,149.0	10.90	189.80	2,138.2	-177.8	-55.2	185.5	1.90	1.18	-8.28
2,243.0	11.70	194.10	2,230.4	-195.8	-59.0	203.9	1.24	0.85	4.57
2,337.0	12.40	194.10	2,322.3	-214.9	-63.8	223.5	0.74	0.74	0.00
2,430.0	13.50	187.90	2,413.0	-235.3	-67.7	244.3	1.90	1.18	-6.67
2,524.0	15.60	193.50	2,504.0	-258.5	-72.2	267.9	2.69	2.23	5.96
2,618.0	16.40	191.00	2,594.3	-283.8	-77.7	293.8	1.12	0.85	-2.66
2,711.0	16.30	190.00	2,683.6	-309.5	-82.4	320.0	0.32	-0.11	-1.08
2,805.0	16.90	188.20	2,773.6	-336.0	-86.7	346.8	0.84	0.64	-1.91
2,899.0	16.40	192.80	2,863.7	-362.5	-91.6	373.7	1.50	-0.53	4.89
2,993.0	16.00	192.20	2,954.0	-388.1	-97.2	399.9	0.46	-0.43	-0.64
3,086.0	16.70	193.30	3,043.2	-413.6	-103.0	426.1	0.82	0.75	1.18
3,180.0	17.10	190.10	3,133.1	-440.4	-108.5	453.4	1.08	0.43	-3.40
3,274.0	16.90	193.30	3,223.0	-467.3	-114.1	480.9	1.02	-0.21	3.40
3,368.0	17.30	191.70	3,312.9	-494.3	-120.1	508.5	0.66	0.43	-1.70
3,462.0	19.30	186.70	3,402.1	-523.4	-124.7	537.9	2.70	2.13	-5.32
3,555.0	18.20	188.50	3,490.2	-553.0	-128.7	567.7	1.34	-1.18	1.94
3,649.0	17.40	187.20	3,579.7	-581.5	-132.6	596.4	0.95	-0.85	-1.38
3,743.0	16.20	190.90	3,669.7	-608.3	-136.9	623.5	1.71	-1.28	3.94
3,836.0	17.20	193.70	3,758.8	-634.4	-142.6	650.2	1.38	1.08	3.01
3,930.0	16.60	200.20	3,848.7	-660.5	-150.5	677.4	2.11	-0.64	6.91
4,024.0	18.30	199.80	3,938.4	-687.0	-160.1	705.3	1.81	1.81	-0.43
4,117.0	16.80	195.20	4,027.1	-713.7	-168.6	733.2	2.20	-1.61	-4.95
4,211.0	16.40	193.30	4,117.1	-739.7	-175.2	760.1	0.72	-0.43	-2.02
4,305.0	16.80	187.90	4,207.2	-766.1	-180.1	786.9	1.69	0.43	-5.74
4,398.0	15.50	191.40	4,296.6	-791.6	-184.4	812.7	1.75	-1.40	3.76
4,492.0	15.20	190.10	4,387.2	-816.1	-189.1	837.6	0.49	-0.32	-1.38
4,586.0	13.80	192.00	4,478.2	-839.2	-193.6	861.1	1.57	-1.49	2.02
4,680.0	12.10	191.10	4,569.8	-859.8	-197.8	882.2	1.82	-1.81	-0.96
4,774.0	10.10	192.20	4,662.0	-877.5	-201.4	900.3	2.14	-2.13	1.17
4,868.0	8.00	187.10	4,754.9	-892.1	-204.0	915.0	2.39	-2.23	-5.43
4,962.0	6.50	187.90	4,848.1	-903.8	-205.5	926.9	1.60	-1.60	0.85
5,055.0	5.10	184.80	4,940.6	-913.2	-206.6	936.2	1.54	-1.51	-3.33
5,149.0	4.00	187.30	5,034.3	-920.6	-207.4	943.6	1.19	-1.17	2.66
5,243.0	2.00	195.30	5,128.2	-925.4	-208.2	948.5	2.17	-2.13	8.51
5,337.0	0.60	29.90	5,222.2	-926.6	-208.4	949.7	2.75	-1.49	-175.96
5,524.0	0.60	357.80	5,409.2	-924.7	-208.0	947.8	0.18	0.00	-17.17
5,615.0	0.59	349.00	5,500.2	-923.8	-208.1	946.9	0.10	-0.01	-9.68
<b>DRILL TARGET BHL 2579'FNL, 1314'FEL</b>									
5,712.0	0.60	339.60	5,597.2	-922.8	-208.3	946.0	0.10	0.01	-9.68
5,900.0	0.60	337.50	5,785.2	-921.0	-209.1	944.4	0.01	0.00	-1.12
5,914.2	0.61	336.16	5,799.4	-920.9	-209.1	944.3	0.11	0.04	-9.41
<b>PERMIT TARGET BHL 2654'FNL, 1314'FEL</b>									
6,088.0	0.70	322.00	5,973.2	-919.2	-210.1	942.8	0.11	0.05	-8.15
6,275.0	0.60	316.20	6,160.1	-917.6	-211.5	941.6	0.06	-0.05	-3.10
6,462.0	0.40	322.30	6,347.1	-916.4	-212.6	940.6	0.11	-0.11	3.26
6,650.0	0.50	352.90	6,535.1	-915.0	-213.1	939.4	0.14	0.05	16.28
6,837.0	0.70	309.80	6,722.1	-913.5	-214.1	938.1	0.26	0.11	-23.05
7,025.0	0.60	280.40	6,910.1	-912.6	-215.9	937.6	0.18	-0.05	-15.64
7,212.0	1.00	247.30	7,097.1	-913.0	-218.4	938.6	0.32	0.21	-17.70
7,400.0	0.80	217.00	7,285.1	-914.7	-220.7	940.7	0.27	-0.11	-16.12

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<b>Design:</b>	Wellbore #1	<b>Database:</b>	Landmark

Survey										
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7,585.0	0.10	92.70	7,470.1	-915.7	-221.3	941.8	0.47	-0.38	-67.19	
7,772.0	2.20	58.00	7,657.0	-913.8	-218.1	939.3	1.13	1.12	-18.56	
7,960.0	1.80	42.50	7,844.9	-909.8	-213.1	934.2	0.36	-0.21	-8.24	
8,147.0	1.80	52.20	8,031.8	-905.8	-208.7	929.5	0.16	0.00	5.19	
8,335.0	1.50	54.20	8,219.7	-902.5	-204.4	925.4	0.16	-0.16	1.06	
8,552.0	1.60	31.50	8,436.7	-898.3	-200.5	920.4	0.28	0.05	-10.46	
8,692.1	1.52	25.05	8,576.7	-894.9	-198.7	916.7	0.14	-0.06	-4.60	
<b>HARD LINES 75'S OF DRILL TARGET BHL</b>										
8,736.0	1.50	22.90	8,620.6	-893.9	-198.3	915.6	0.14	-0.05	-4.90	
8,780.0	1.50	22.90	8,664.6	-892.8	-197.8	914.5	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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