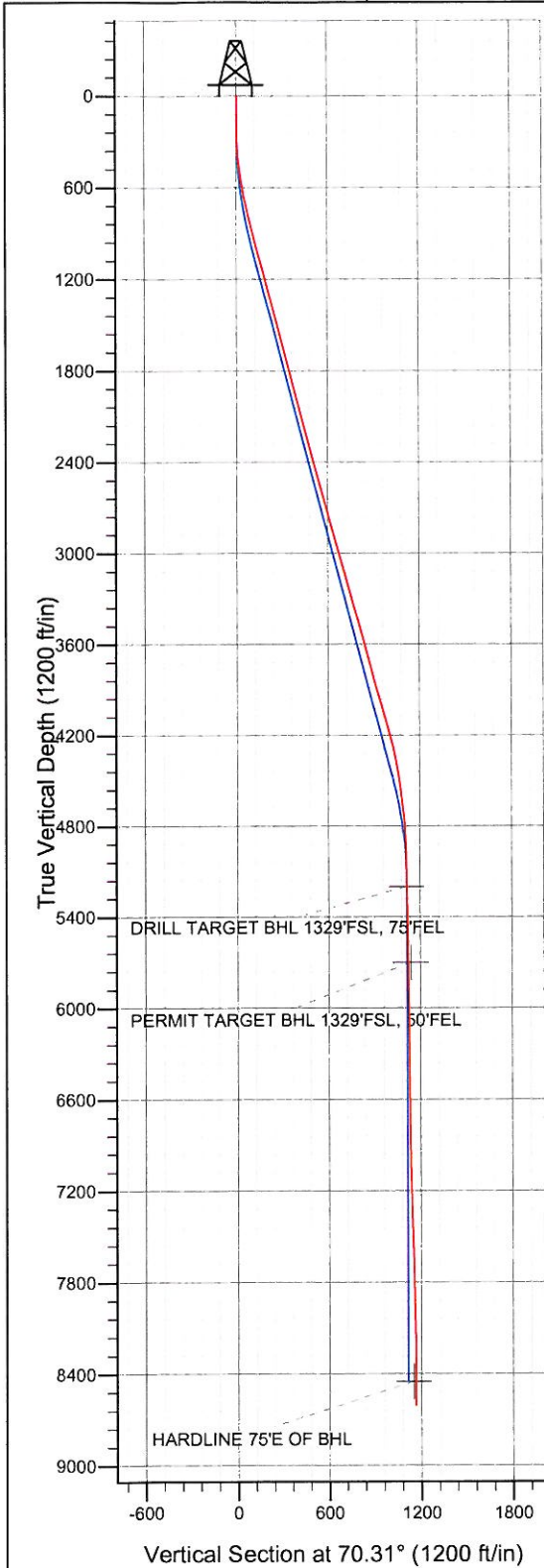


Well Name: **Pratt 29XD**

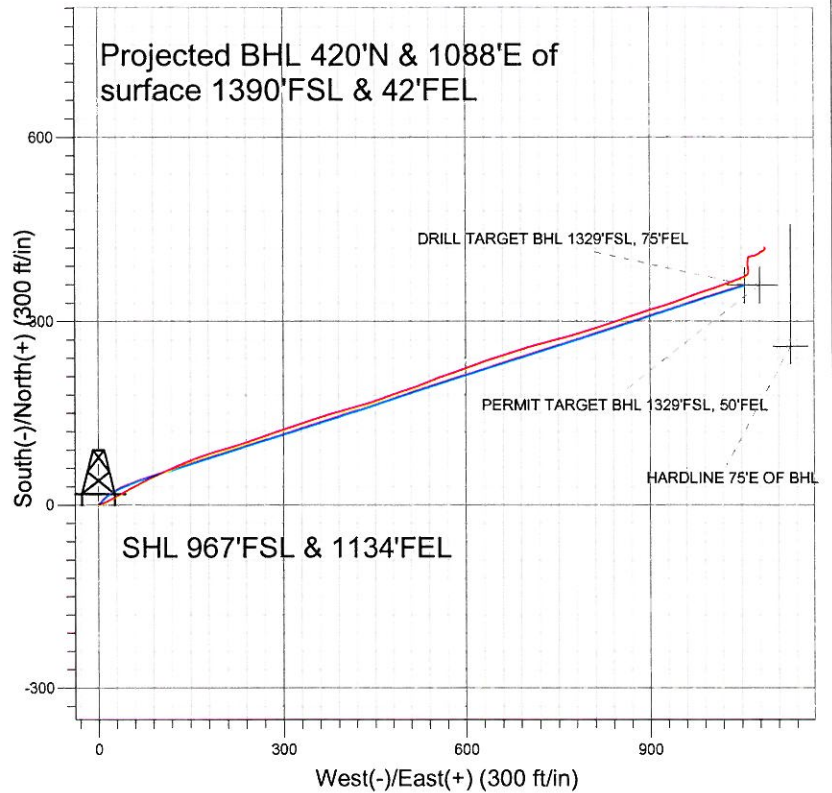
Surface Location: Pratt 34-29D Pad Sec.29-T1N-R68W
North American Datum 1983 US State Plane 1983 Colorado Northern Zone
Ground Elevation: 5180.0

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|-------|-------|------------|------------|----------------|------------------|------|
| 0.0 | 0.0 | 1249544.64 | 3133823.99 | 40° 1' 2.629 N | 105° 1' 19.902 W | |

Original Well Elev WELL @ 5193.0ft (Original Well Elev)



Synergy Resources



LEGEND

- ◆ Pratt 29XD, Wellbore #1, Plan #3 (1-6-11) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
8750'MD & 8609'TVD @ 1164' VS
0.5 deg Inc 345.3 deg AZ

Project: SEC.29-T1N-R68W
Site: Pratt 34-29D Pad Sec.29-T1N-R68W
Well: Pratt 29XD
Plan: Wellbore #1



Directional

Synergy Resources

SEC.29-T1N-R68W

Pratt 34-29D Pad Sec.29-T1N-R68W

Pratt 29XD

Wellbore #1

Survey: Survey #1

Standard Survey Report

14 January, 2011

| | | | |
|------------------|----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Synergy Resources | Local Co-ordinate Reference: | Well Pratt 29XD |
| Project: | SEC.29-T1N-R68W | TVD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Site: | Pratt 34-29D Pad Sec.29-T1N-R68W | MD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Well: | Pratt 29XD | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Landmark |

| | | | |
|--------------------|--|-----------------------------|----------------|
| Project | SEC.29-T1N-R68W, Weld County, Colorado | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | Using geodetic scale factor | |

| | | | | | |
|-----------------------|----------------------------------|--------------|-----------------|-------------------|------------------|
| Site | Pratt 34-29D Pad Sec.29-T1N-R68W | | | | |
| Site Position: | | Northing: | 1,249,588.32 ft | Latitude: | 40° 1' 3.065 N |
| From: | Lat/Long | Easting: | 3,133,748.69 ft | Longitude: | 105° 1' 20.867 W |
| Position Uncertainty: | 0.0 ft | Slot Radius: | " | Grid Convergence: | 0.31 ° |

| | | | | | | |
|----------------------|------------|--------|---------------------|-----------------|---------------|------------------|
| Well | Pratt 29XD | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,249,544.64 ft | Latitude: | 40° 1' 2.629 N |
| | +E/-W | 0.0 ft | Easting: | 3,133,823.99 ft | Longitude: | 105° 1' 19.902 W |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 5,180.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 12/15/2010 | 9.03 | 66.71 | 52,951 |

| | | | | | |
|-------------------|--------------------------|---------------|---------------|------------------|-----|
| 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 | 70.31 | |

| | | | | | |
|-----------------------|----------------|--------------------------|------------------|--------------------|--|
| Survey Program | Date | 1/14/2011 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 240.0 | 8,750.0 | 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 | |
| 240.0 | 1.40 | 86.40 | 240.0 | 0.2 | 2.9 | 2.8 | 0.58 | 0.58 | 0.00 | |
| 332.0 | 3.60 | 67.70 | 331.9 | 1.4 | 6.7 | 6.8 | 2.52 | 2.39 | -20.33 | |
| 427.0 | 5.80 | 65.10 | 426.6 | 4.5 | 13.8 | 14.5 | 2.33 | 2.32 | -2.74 | |
| 521.0 | 7.90 | 62.10 | 519.9 | 9.5 | 23.9 | 25.7 | 2.27 | 2.23 | -3.19 | |
| 615.0 | 10.10 | 60.60 | 612.7 | 16.6 | 36.7 | 40.2 | 2.35 | 2.34 | -1.60 | |
| 709.0 | 12.00 | 61.20 | 705.0 | 25.4 | 52.5 | 58.0 | 2.02 | 2.02 | 0.64 | |
| 803.0 | 13.90 | 62.90 | 796.6 | 35.2 | 71.1 | 78.8 | 2.06 | 2.02 | 1.81 | |
| 912.0 | 15.50 | 65.40 | 902.0 | 47.2 | 96.0 | 106.3 | 1.58 | 1.47 | 2.29 | |
| 1,022.0 | 14.90 | 64.00 | 1,008.2 | 59.5 | 122.1 | 135.0 | 0.64 | -0.55 | -1.27 | |
| 1,116.0 | 14.90 | 68.30 | 1,099.0 | 69.3 | 144.2 | 159.1 | 1.18 | 0.00 | 4.57 | |
| 1,209.0 | 14.20 | 70.80 | 1,189.0 | 77.5 | 166.1 | 182.5 | 1.01 | -0.75 | 2.69 | |
| 1,303.0 | 14.60 | 72.00 | 1,280.1 | 84.9 | 188.2 | 205.8 | 0.53 | 0.43 | 1.28 | |

Company: Synergy Resources
Project: SEC.29-T1N-R68W
Site: Pratt 34-29D Pad Sec.29-T1N-R68W
Well: Pratt 29XD
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Pratt 29XD
TVD Reference: WELL @ 5193.0ft (Original Well Elev)
MD Reference: WELL @ 5193.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
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) |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 1,396.0 | 15.10 | 73.70 | 1,370.0 | 92.0 | 211.0 | 229.6 | 0.71 | 0.54 | 1.83 |
| 1,490.0 | 15.60 | 71.60 | 1,460.6 | 99.4 | 234.7 | 254.5 | 0.80 | 0.53 | -2.23 |
| 1,584.0 | 15.50 | 70.50 | 1,551.2 | 107.6 | 258.6 | 279.7 | 0.33 | -0.11 | -1.17 |
| 1,677.0 | 15.00 | 69.90 | 1,640.9 | 115.9 | 281.6 | 304.2 | 0.56 | -0.54 | -0.65 |
| 1,771.0 | 14.50 | 72.10 | 1,731.8 | 123.7 | 304.2 | 328.1 | 0.80 | -0.53 | 2.34 |
| 1,865.0 | 14.30 | 72.50 | 1,822.8 | 130.8 | 326.5 | 351.4 | 0.24 | -0.21 | 0.43 |
| 1,959.0 | 14.80 | 70.70 | 1,913.8 | 138.2 | 348.9 | 375.0 | 0.72 | 0.53 | -1.91 |
| 2,053.0 | 14.70 | 72.00 | 2,004.7 | 145.9 | 371.5 | 399.0 | 0.37 | -0.11 | 1.38 |
| 2,147.0 | 15.80 | 74.90 | 2,095.4 | 152.9 | 395.2 | 423.7 | 1.42 | 1.17 | 3.09 |
| 2,240.0 | 15.60 | 73.70 | 2,185.0 | 159.7 | 419.5 | 448.8 | 0.41 | -0.22 | -1.29 |
| 2,334.0 | 14.70 | 74.00 | 2,275.7 | 166.5 | 443.1 | 473.3 | 0.96 | -0.96 | 0.32 |
| 2,428.0 | 14.60 | 68.10 | 2,366.6 | 174.2 | 465.5 | 497.0 | 1.59 | -0.11 | -6.28 |
| 2,521.0 | 15.30 | 72.20 | 2,456.5 | 182.4 | 488.1 | 521.0 | 1.36 | 0.75 | 4.41 |
| 2,615.0 | 15.30 | 72.10 | 2,547.2 | 190.0 | 511.7 | 545.8 | 0.03 | 0.00 | -0.11 |
| 2,709.0 | 15.70 | 67.70 | 2,637.7 | 198.6 | 535.3 | 570.9 | 1.32 | 0.43 | -4.68 |
| 2,803.0 | 15.10 | 70.00 | 2,728.4 | 207.6 | 558.5 | 595.8 | 0.91 | -0.64 | 2.45 |
| 2,896.0 | 15.70 | 70.20 | 2,818.0 | 216.0 | 581.8 | 620.5 | 0.65 | 0.65 | 0.22 |
| 2,990.0 | 16.10 | 70.40 | 2,908.4 | 224.7 | 606.0 | 646.3 | 0.43 | 0.43 | 0.21 |
| 3,084.0 | 15.60 | 69.60 | 2,998.9 | 233.5 | 630.1 | 672.0 | 0.58 | -0.53 | -0.85 |
| 3,177.0 | 15.60 | 72.00 | 3,088.4 | 241.7 | 653.7 | 697.0 | 0.69 | 0.00 | 2.58 |
| 3,271.0 | 15.80 | 72.70 | 3,178.9 | 249.4 | 678.0 | 722.4 | 0.29 | 0.21 | 0.74 |
| 3,365.0 | 15.80 | 72.80 | 3,269.4 | 257.0 | 702.4 | 748.0 | 0.03 | 0.00 | 0.11 |
| 3,459.0 | 15.60 | 76.60 | 3,359.9 | 263.7 | 726.9 | 773.3 | 1.11 | -0.21 | 4.04 |
| 3,553.0 | 15.70 | 75.20 | 3,450.4 | 269.9 | 751.5 | 798.5 | 0.42 | 0.11 | -1.49 |
| 3,646.0 | 16.00 | 73.30 | 3,539.8 | 276.8 | 776.0 | 823.9 | 0.64 | 0.32 | -2.04 |
| 3,740.0 | 15.10 | 71.20 | 3,630.4 | 284.5 | 800.0 | 849.1 | 1.13 | -0.96 | -2.23 |
| 3,834.0 | 15.20 | 72.60 | 3,721.1 | 292.1 | 823.3 | 873.6 | 0.40 | 0.11 | 1.49 |
| 3,927.0 | 15.30 | 71.50 | 3,810.9 | 299.6 | 846.6 | 898.1 | 0.33 | 0.11 | -1.18 |
| 4,021.0 | 15.80 | 70.50 | 3,901.4 | 307.8 | 870.4 | 923.3 | 0.60 | 0.53 | -1.06 |
| 4,115.0 | 16.30 | 73.30 | 3,991.8 | 315.9 | 895.1 | 949.2 | 0.98 | 0.53 | 2.98 |
| 4,209.0 | 15.80 | 71.50 | 4,082.1 | 323.8 | 919.9 | 975.2 | 0.75 | -0.53 | -1.91 |
| 4,302.0 | 14.80 | 71.70 | 4,171.8 | 331.5 | 943.2 | 999.7 | 1.08 | -1.08 | 0.22 |
| 4,396.0 | 13.80 | 70.50 | 4,262.9 | 339.0 | 965.1 | 1,022.9 | 1.11 | -1.06 | -1.28 |
| 4,489.0 | 11.30 | 70.50 | 4,353.7 | 345.8 | 984.2 | 1,043.1 | 2.69 | -2.69 | 0.00 |
| 4,584.0 | 9.60 | 71.30 | 4,447.1 | 351.4 | 1,000.5 | 1,060.4 | 1.80 | -1.79 | 0.84 |
| 4,678.0 | 8.00 | 70.40 | 4,540.0 | 356.1 | 1,014.1 | 1,074.8 | 1.71 | -1.70 | -0.96 |
| 4,772.0 | 6.50 | 68.90 | 4,633.2 | 360.2 | 1,025.2 | 1,086.6 | 1.61 | -1.60 | -1.60 |
| 4,865.0 | 5.30 | 67.90 | 4,725.7 | 363.7 | 1,034.1 | 1,096.2 | 1.30 | -1.29 | -1.08 |
| 4,959.0 | 4.20 | 67.60 | 4,819.4 | 366.7 | 1,041.3 | 1,103.9 | 1.17 | -1.17 | -0.32 |
| 5,053.0 | 1.80 | 68.20 | 4,913.3 | 368.5 | 1,045.8 | 1,108.9 | 2.55 | -2.55 | 0.64 |
| 5,147.0 | 0.80 | 61.60 | 5,007.2 | 369.4 | 1,047.8 | 1,111.0 | 1.07 | -1.06 | -7.02 |
| 5,334.0 | 0.80 | 70.90 | 5,194.2 | 370.5 | 1,050.2 | 1,113.6 | 0.07 | 0.00 | 4.97 |
| 5,339.8 | 0.82 | 71.28 | 5,200.0 | 370.5 | 1,050.2 | 1,113.7 | 0.33 | 0.31 | 6.44 |
| DRILL TARGET BHL 1329'FSL, 75'FEL | | | | | | | | | |
| 5,522.0 | 1.40 | 78.00 | 5,382.2 | 371.4 | 1,053.7 | 1,117.2 | 0.33 | 0.32 | 3.69 |
| 5,710.0 | 1.20 | 62.20 | 5,570.1 | 372.8 | 1,057.6 | 1,121.4 | 0.22 | -0.11 | -8.40 |
| 5,839.9 | 1.34 | 32.14 | 5,700.0 | 374.7 | 1,059.7 | 1,123.9 | 0.52 | 0.11 | -23.14 |
| PERMIT TARGET BHL 1329'FSL, 50'FEL | | | | | | | | | |
| 5,897.0 | 1.50 | 22.00 | 5,757.1 | 375.9 | 1,060.3 | 1,125.0 | 0.52 | 0.28 | -17.77 |
| 6,085.0 | 1.10 | 13.10 | 5,945.0 | 380.0 | 1,061.6 | 1,127.6 | 0.24 | -0.21 | -4.73 |
| 6,272.0 | 1.30 | 353.30 | 6,132.0 | 383.8 | 1,061.8 | 1,129.0 | 0.24 | 0.11 | -10.59 |
| 6,459.0 | 1.40 | 333.00 | 6,318.9 | 388.0 | 1,060.5 | 1,129.2 | 0.26 | 0.05 | -10.86 |
| 6,647.0 | 2.20 | 6.50 | 6,506.9 | 393.6 | 1,059.9 | 1,130.5 | 0.69 | 0.43 | 17.82 |
| 6,835.0 | 1.50 | 358.40 | 6,694.8 | 399.7 | 1,060.2 | 1,132.9 | 0.40 | -0.37 | -4.31 |

Company: Synergy Resources
Project: SEC.29-T1N-R68W
Site: Pratt 34-29D Pad Sec.29-T1N-R68W
Well: Pratt 29XD
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Design: Wellbore #1

Local Co-ordinate Reference: Well Pratt 29XD
TVD Reference: WELL @ 5193.0ft (Original Well Elev)
MD Reference: WELL @ 5193.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
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) |
|-----------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 7,022.0 | 0.60 | 41.80 | 6,881.7 | 402.8 | 1,060.8 | 1,134.5 | 0.61 | -0.48 | 23.21 |
| 7,210.0 | 1.10 | 67.10 | 7,069.7 | 404.3 | 1,063.1 | 1,137.2 | 0.33 | 0.27 | 13.46 |
| 7,397.0 | 2.30 | 78.20 | 7,256.6 | 405.7 | 1,068.4 | 1,142.7 | 0.66 | 0.64 | 5.94 |
| 7,583.0 | 1.30 | 60.40 | 7,442.5 | 407.5 | 1,073.9 | 1,148.4 | 0.61 | -0.54 | -9.57 |
| 7,771.0 | 1.50 | 63.20 | 7,630.5 | 409.7 | 1,078.0 | 1,153.0 | 0.11 | 0.11 | 1.49 |
| 7,958.0 | 1.30 | 59.30 | 7,817.4 | 411.9 | 1,082.0 | 1,157.5 | 0.12 | -0.11 | -2.09 |
| 8,146.0 | 1.10 | 49.50 | 8,005.4 | 414.1 | 1,085.2 | 1,161.3 | 0.15 | -0.11 | -5.21 |
| 8,333.0 | 1.10 | 54.70 | 8,192.3 | 416.3 | 1,088.0 | 1,164.7 | 0.05 | 0.00 | 2.78 |
| 8,521.0 | 0.60 | 321.40 | 8,380.3 | 418.2 | 1,088.9 | 1,166.1 | 0.68 | -0.27 | -49.63 |
| 8,589.2 | 0.55 | 329.17 | 8,448.5 | 418.7 | 1,088.5 | 1,165.9 | 0.13 | -0.07 | 11.39 |
| HARDLINE 75'E OF BHL | | | | | | | | | |
| 8,706.0 | 0.50 | 345.30 | 8,565.3 | 419.7 | 1,088.1 | 1,165.9 | 0.13 | -0.04 | 13.81 |
| 8,750.0 | 0.50 | 345.30 | 8,609.3 | 420.1 | 1,088.0 | 1,165.9 | 0.00 | 0.00 | 0.00 |

Checked By: _____ Approved By: _____ Date: _____