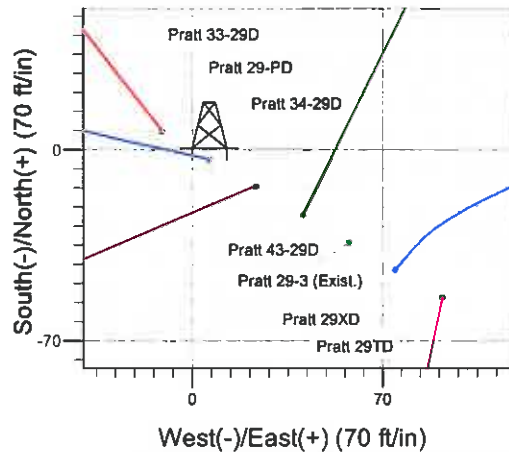
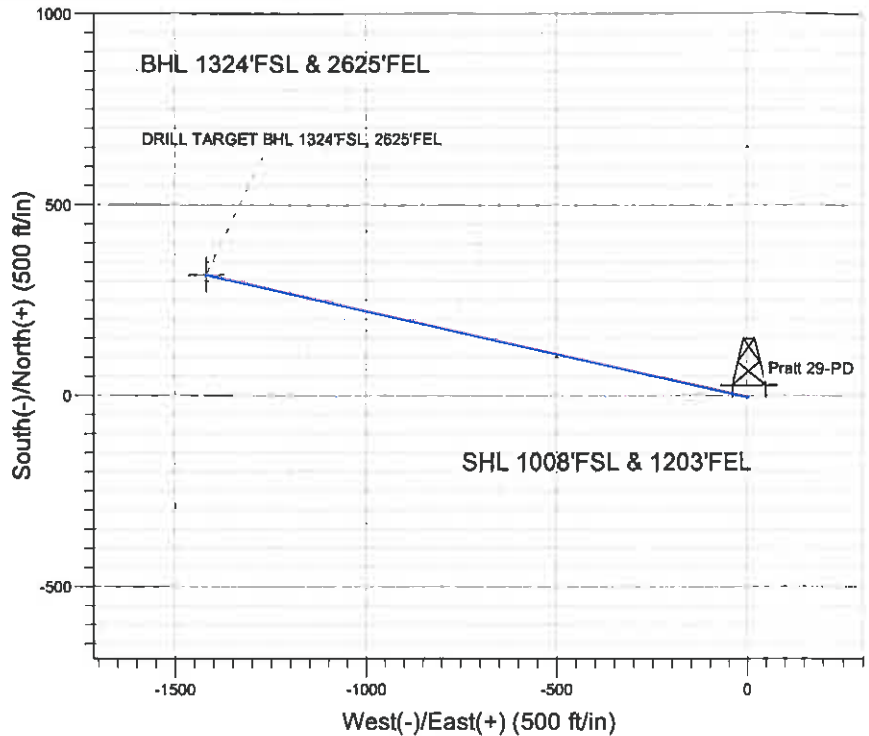
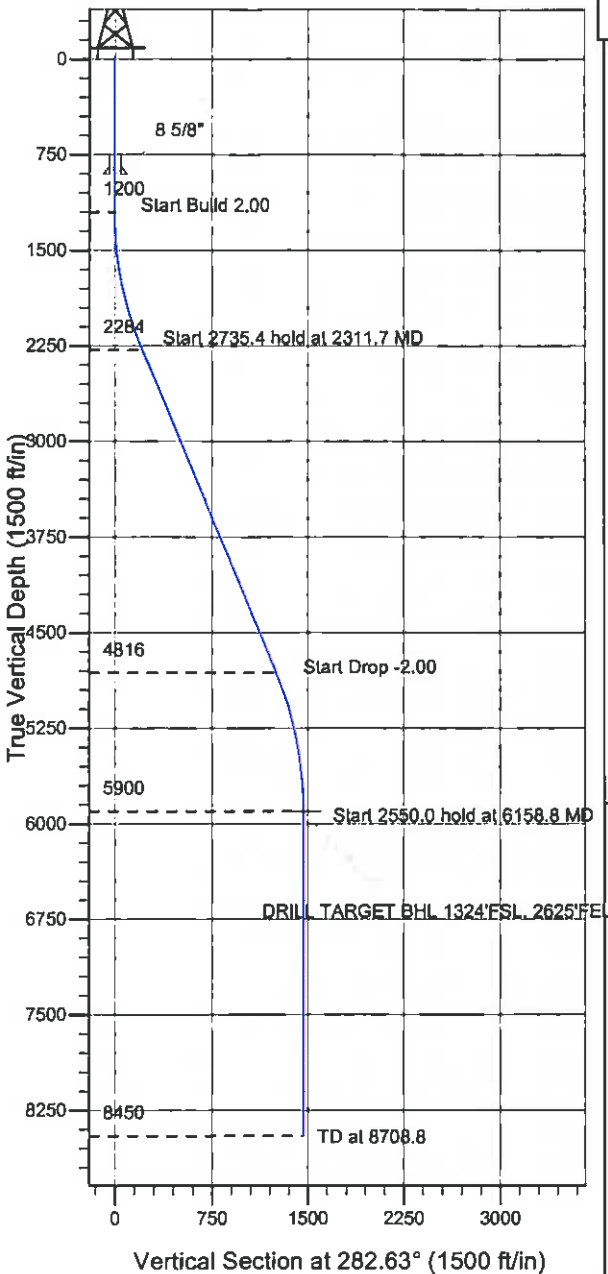


ENSIGN

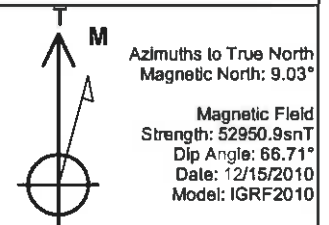
Directional

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
 -3.7 6.2 1249584.70 3133754.88 40° 1' 3.029 N 105° 1' 20.788 W
 Original Well Elev WELL @ 5193.0ft (Original Well Elev)

Synergy Resources



Pratt 34-29D Pad Sec.29-T1N-R68W
 Pratt 29-PD
 Plan #1 (12-15-10)
 17:02, December 15 2010



WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | Shape |
|-------------------------------------|--------|-------|---------|----------------|------------------|-------|
| DRILL TARGET BHL 1324'FSL, 2625'FEL | 5900.0 | 315.9 | -1419.5 | 40° 1' 6.186 N | 105° 1' 39.112 W | Point |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|-----|--------|-------|--------|--------|-------|---------|------|--------|--------|-------------------------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | -3.7 | 6.2 | 0.00 | 0.00 | 0.0 | |
| 2 | 1200.0 | 0.00 | 0.00 | 1200.0 | -3.7 | 6.2 | 0.00 | 0.00 | 0.0 | |
| 3 | 2311.7 | 22.23 | 282.63 | 2284.0 | 42.9 | -201.7 | 2.00 | 282.63 | 213.0 | |
| 4 | 5047.1 | 22.23 | 282.63 | 4816.0 | 269.3 | -1211.6 | 0.00 | 0.00 | 1248.0 | |
| 5 | 6158.8 | 0.00 | 0.00 | 5900.0 | 315.9 | -1419.5 | 2.00 | 180.00 | 1461.0 | DRILL TARGET BHL 1324'FSL, 2625'FEL |
| 6 | 8708.8 | 0.00 | 0.00 | 8450.0 | 315.9 | -1419.5 | 0.00 | 0.00 | 1461.0 | |



Directional

Synergy Resources

SEC.29-T1N-R68W

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

Pratt 29-PD

Wellbore #1

Plan: Plan #1 (12-15-10)

Standard Planning Report

15 December, 2010

| | | | |
|------------------|----------------------------------|-------------------------------------|---------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Site Pratt 34-29D Pad Sec.29-T1N-R68W |
| Company: | Synergy Resources | TVD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Project: | SEC.29-T1N-R68W | MD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Site: | Pratt 34-29D Pad Sec.29-T1N-R68W | North Reference: | True |
| Well: | Pratt 29-PD | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (12-15-10) | | |

| | | | |
|--------------------|--|----------------------|-----------------------------|
| 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 29-PD | | | | | |
| Well Position | +N/-S | -3.7 ft | Northing: | 1,249,584.70 ft | Latitude: | 40° 1' 3.029 N |
| | +E/-W | 6.2 ft | Easting: | 3,133,754.88 ft | Longitude: | 105° 1' 20.788 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 | Plan #1 (12-15-10) | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.0 | -3.7 | 6.2 | 282.63 |

| Plan Sections | | | | | | | | | | |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|-----------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | -3.7 | 6.2 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | -3.7 | 6.2 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,311.7 | 22.23 | 282.63 | 2,284.0 | 42.9 | -201.7 | 2.00 | 2.00 | 0.00 | 282.63 | |
| 5,047.1 | 22.23 | 282.63 | 4,816.0 | 269.3 | -1,211.6 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,158.8 | 0.00 | 0.00 | 5,900.0 | 315.9 | -1,419.5 | 2.00 | -2.00 | 0.00 | 180.00 | DRILL TARGET BH |
| 8,708.8 | 0.00 | 0.00 | 8,450.0 | 315.9 | -1,419.5 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | |
|------------------|----------------------------------|-------------------------------------|---------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Site Pratt 34-29D Pad Sec.29-T1N-R68W |
| Company: | Synergy Resources | TVD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Project: | SEC.29-T1N-R68W | MD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Site: | Pratt 34-29D Pad Sec.29-T1N-R68W | North Reference: | True |
| Well: | Pratt 29-PD | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (12-15-10) | | |

Planned 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 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 40.0 | 0.00 | 0.00 | 40.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 80.0 | 0.00 | 0.00 | 80.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 120.0 | 0.00 | 0.00 | 120.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 160.0 | 0.00 | 0.00 | 160.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 240.0 | 0.00 | 0.00 | 240.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 280.0 | 0.00 | 0.00 | 280.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 320.0 | 0.00 | 0.00 | 320.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 360.0 | 0.00 | 0.00 | 360.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 440.0 | 0.00 | 0.00 | 440.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 480.0 | 0.00 | 0.00 | 480.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 520.0 | 0.00 | 0.00 | 520.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 560.0 | 0.00 | 0.00 | 560.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 640.0 | 0.00 | 0.00 | 640.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 680.0 | 0.00 | 0.00 | 680.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 720.0 | 0.00 | 0.00 | 720.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 760.0 | 0.00 | 0.00 | 760.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 800.0 | 0.00 | 0.00 | 800.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 840.0 | 0.00 | 0.00 | 840.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 880.0 | 0.00 | 0.00 | 880.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 8 5/8" | | | | | | | | | |
| 920.0 | 0.00 | 0.00 | 920.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 960.0 | 0.00 | 0.00 | 960.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,040.0 | 0.00 | 0.00 | 1,040.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,080.0 | 0.00 | 0.00 | 1,080.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,120.0 | 0.00 | 0.00 | 1,120.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,160.0 | 0.00 | 0.00 | 1,160.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | -3.7 | 6.2 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,240.0 | 0.80 | 282.63 | 1,240.0 | -3.6 | 5.9 | 0.3 | 2.00 | 2.00 | 0.00 |
| 1,280.0 | 1.60 | 282.63 | 1,280.0 | -3.4 | 5.1 | 1.1 | 2.00 | 2.00 | 0.00 |
| 1,320.0 | 2.40 | 282.63 | 1,320.0 | -3.1 | 3.7 | 2.5 | 2.00 | 2.00 | 0.00 |
| 1,360.0 | 3.20 | 282.63 | 1,359.9 | -2.7 | 1.8 | 4.5 | 2.00 | 2.00 | 0.00 |
| 1,400.0 | 4.00 | 282.63 | 1,399.8 | -2.1 | -0.6 | 7.0 | 2.00 | 2.00 | 0.00 |
| 1,440.0 | 4.80 | 282.63 | 1,439.7 | -1.5 | -3.6 | 10.0 | 2.00 | 2.00 | 0.00 |
| 1,480.0 | 5.60 | 282.63 | 1,479.6 | -0.7 | -7.2 | 13.7 | 2.00 | 2.00 | 0.00 |
| 1,520.0 | 6.40 | 282.63 | 1,519.3 | 0.3 | -11.3 | 17.9 | 2.00 | 2.00 | 0.00 |
| 1,560.0 | 7.20 | 282.63 | 1,559.1 | 1.3 | -15.9 | 22.6 | 2.00 | 2.00 | 0.00 |
| 1,600.0 | 8.00 | 282.63 | 1,598.7 | 2.4 | -21.0 | 27.9 | 2.00 | 2.00 | 0.00 |
| 1,640.0 | 8.80 | 282.63 | 1,638.3 | 3.7 | -26.7 | 33.7 | 2.00 | 2.00 | 0.00 |
| 1,680.0 | 9.60 | 282.63 | 1,677.8 | 5.1 | -33.0 | 40.1 | 2.00 | 2.00 | 0.00 |
| 1,720.0 | 10.40 | 282.63 | 1,717.1 | 6.6 | -39.8 | 47.1 | 2.00 | 2.00 | 0.00 |
| 1,760.0 | 11.20 | 282.63 | 1,756.4 | 8.3 | -47.1 | 54.6 | 2.00 | 2.00 | 0.00 |
| 1,800.0 | 12.00 | 282.63 | 1,795.6 | 10.0 | -54.9 | 62.6 | 2.00 | 2.00 | 0.00 |
| 1,840.0 | 12.80 | 282.63 | 1,834.7 | 11.9 | -63.3 | 71.2 | 2.00 | 2.00 | 0.00 |
| 1,880.0 | 13.60 | 282.63 | 1,873.6 | 13.9 | -72.2 | 80.3 | 2.00 | 2.00 | 0.00 |
| 1,920.0 | 14.40 | 282.63 | 1,912.4 | 16.0 | -81.7 | 90.0 | 2.00 | 2.00 | 0.00 |
| 1,960.0 | 15.20 | 282.63 | 1,951.1 | 18.3 | -91.6 | 100.2 | 2.00 | 2.00 | 0.00 |
| 2,000.0 | 16.00 | 282.63 | 1,989.6 | 20.6 | -102.1 | 111.0 | 2.00 | 2.00 | 0.00 |
| 2,040.0 | 16.80 | 282.63 | 2,028.0 | 23.1 | -113.1 | 122.3 | 2.00 | 2.00 | 0.00 |

| | | | |
|------------------|----------------------------------|-------------------------------------|---------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Site Pratt 34-29D Pad Sec.29-T1N-R68W |
| Company: | Synergy Resources | TVD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Project: | SEC.29-T1N-R68W | MD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Site: | Pratt 34-29D Pad Sec.29-T1N-R68W | North Reference: | True |
| Well: | Pratt 29-PD | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (12-15-10) | | |

Planned 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) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 2,080.0 | 17.60 | 282.63 | 2,066.2 | 25.7 | -124.7 | 134.1 | 2.00 | 2.00 | 0.00 |
| 2,120.0 | 18.40 | 282.63 | 2,104.3 | 28.4 | -136.8 | 146.5 | 2.00 | 2.00 | 0.00 |
| 2,160.0 | 19.20 | 282.63 | 2,142.1 | 31.2 | -149.3 | 159.3 | 2.00 | 2.00 | 0.00 |
| 2,200.0 | 20.00 | 282.63 | 2,179.8 | 34.1 | -162.4 | 172.8 | 2.00 | 2.00 | 0.00 |
| 2,240.0 | 20.80 | 282.63 | 2,217.3 | 37.2 | -176.0 | 186.7 | 2.00 | 2.00 | 0.00 |
| 2,280.0 | 21.60 | 282.63 | 2,254.6 | 40.3 | -190.1 | 201.2 | 2.00 | 2.00 | 0.00 |
| 2,311.7 | 22.23 | 282.63 | 2,284.0 | 42.9 | -201.7 | 213.0 | 2.00 | 2.00 | 0.00 |
| 2,320.0 | 22.23 | 282.63 | 2,291.7 | 43.6 | -204.8 | 216.1 | 0.00 | 0.00 | 0.00 |
| 2,360.0 | 22.23 | 282.63 | 2,328.7 | 46.9 | -219.5 | 231.3 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 22.23 | 282.63 | 2,365.7 | 50.2 | -234.3 | 246.4 | 0.00 | 0.00 | 0.00 |
| 2,440.0 | 22.23 | 282.63 | 2,402.8 | 53.6 | -249.1 | 261.6 | 0.00 | 0.00 | 0.00 |
| 2,480.0 | 22.23 | 282.63 | 2,439.8 | 56.9 | -263.8 | 276.7 | 0.00 | 0.00 | 0.00 |
| 2,520.0 | 22.23 | 282.63 | 2,476.8 | 60.2 | -278.6 | 291.8 | 0.00 | 0.00 | 0.00 |
| 2,560.0 | 22.23 | 282.63 | 2,513.8 | 63.5 | -293.4 | 307.0 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 22.23 | 282.63 | 2,550.9 | 66.8 | -308.1 | 322.1 | 0.00 | 0.00 | 0.00 |
| 2,640.0 | 22.23 | 282.63 | 2,587.9 | 70.1 | -322.9 | 337.2 | 0.00 | 0.00 | 0.00 |
| 2,680.0 | 22.23 | 282.63 | 2,624.9 | 73.4 | -337.7 | 352.4 | 0.00 | 0.00 | 0.00 |
| 2,720.0 | 22.23 | 282.63 | 2,662.0 | 76.7 | -352.4 | 367.5 | 0.00 | 0.00 | 0.00 |
| 2,760.0 | 22.23 | 282.63 | 2,699.0 | 80.0 | -367.2 | 382.6 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 22.23 | 282.63 | 2,736.0 | 83.3 | -382.0 | 397.8 | 0.00 | 0.00 | 0.00 |
| 2,840.0 | 22.23 | 282.63 | 2,773.0 | 86.7 | -396.7 | 412.9 | 0.00 | 0.00 | 0.00 |
| 2,880.0 | 22.23 | 282.63 | 2,810.1 | 90.0 | -411.5 | 428.0 | 0.00 | 0.00 | 0.00 |
| 2,920.0 | 22.23 | 282.63 | 2,847.1 | 93.3 | -426.3 | 443.2 | 0.00 | 0.00 | 0.00 |
| 2,960.0 | 22.23 | 282.63 | 2,884.1 | 96.6 | -441.1 | 458.3 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 22.23 | 282.63 | 2,921.1 | 99.9 | -455.8 | 473.4 | 0.00 | 0.00 | 0.00 |
| 3,040.0 | 22.23 | 282.63 | 2,958.2 | 103.2 | -470.6 | 488.6 | 0.00 | 0.00 | 0.00 |
| 3,080.0 | 22.23 | 282.63 | 2,995.2 | 106.5 | -485.4 | 503.7 | 0.00 | 0.00 | 0.00 |
| 3,120.0 | 22.23 | 282.63 | 3,032.2 | 109.8 | -500.1 | 518.9 | 0.00 | 0.00 | 0.00 |
| 3,160.0 | 22.23 | 282.63 | 3,069.2 | 113.1 | -514.9 | 534.0 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 22.23 | 282.63 | 3,106.3 | 116.4 | -529.7 | 549.1 | 0.00 | 0.00 | 0.00 |
| 3,240.0 | 22.23 | 282.63 | 3,143.3 | 119.8 | -544.4 | 564.3 | 0.00 | 0.00 | 0.00 |
| 3,280.0 | 22.23 | 282.63 | 3,180.3 | 123.1 | -559.2 | 579.4 | 0.00 | 0.00 | 0.00 |
| 3,320.0 | 22.23 | 282.63 | 3,217.3 | 126.4 | -574.0 | 594.5 | 0.00 | 0.00 | 0.00 |
| 3,360.0 | 22.23 | 282.63 | 3,254.4 | 129.7 | -588.7 | 609.7 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 22.23 | 282.63 | 3,291.4 | 133.0 | -603.5 | 624.8 | 0.00 | 0.00 | 0.00 |
| 3,440.0 | 22.23 | 282.63 | 3,328.4 | 136.3 | -618.3 | 639.9 | 0.00 | 0.00 | 0.00 |
| 3,480.0 | 22.23 | 282.63 | 3,365.4 | 139.6 | -633.0 | 655.1 | 0.00 | 0.00 | 0.00 |
| 3,520.0 | 22.23 | 282.63 | 3,402.5 | 142.9 | -647.8 | 670.2 | 0.00 | 0.00 | 0.00 |
| 3,560.0 | 22.23 | 282.63 | 3,439.5 | 146.2 | -662.6 | 685.3 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 22.23 | 282.63 | 3,476.5 | 149.5 | -677.4 | 700.5 | 0.00 | 0.00 | 0.00 |
| 3,640.0 | 22.23 | 282.63 | 3,513.5 | 152.9 | -692.1 | 715.6 | 0.00 | 0.00 | 0.00 |
| 3,680.0 | 22.23 | 282.63 | 3,550.6 | 156.2 | -706.9 | 730.7 | 0.00 | 0.00 | 0.00 |
| 3,720.0 | 22.23 | 282.63 | 3,587.6 | 159.5 | -721.7 | 745.9 | 0.00 | 0.00 | 0.00 |
| 3,760.0 | 22.23 | 282.63 | 3,624.6 | 162.8 | -736.4 | 761.0 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 22.23 | 282.63 | 3,661.7 | 166.1 | -751.2 | 776.2 | 0.00 | 0.00 | 0.00 |
| 3,840.0 | 22.23 | 282.63 | 3,698.7 | 169.4 | -766.0 | 791.3 | 0.00 | 0.00 | 0.00 |
| 3,880.0 | 22.23 | 282.63 | 3,735.7 | 172.7 | -780.7 | 806.4 | 0.00 | 0.00 | 0.00 |
| 3,920.0 | 22.23 | 282.63 | 3,772.7 | 176.0 | -795.5 | 821.6 | 0.00 | 0.00 | 0.00 |
| 3,960.0 | 22.23 | 282.63 | 3,809.8 | 179.3 | -810.3 | 836.7 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 22.23 | 282.63 | 3,846.8 | 182.6 | -825.0 | 851.8 | 0.00 | 0.00 | 0.00 |
| 4,040.0 | 22.23 | 282.63 | 3,883.8 | 186.0 | -839.8 | 867.0 | 0.00 | 0.00 | 0.00 |
| 4,080.0 | 22.23 | 282.63 | 3,920.8 | 189.3 | -854.6 | 882.1 | 0.00 | 0.00 | 0.00 |
| 4,120.0 | 22.23 | 282.63 | 3,957.9 | 192.6 | -869.3 | 897.2 | 0.00 | 0.00 | 0.00 |
| 4,160.0 | 22.23 | 282.63 | 3,994.9 | 195.9 | -884.1 | 912.4 | 0.00 | 0.00 | 0.00 |

Database: Landmark
Company: Synergy Resources
Project: SEC.29-T1N-R68W
Site: Pratt 34-29D Pad Sec.29-T1N-R68W
Well: Pratt 29-PD
Wellbore: Wellbore #1
Design: Plan #1 (12-15-10)

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site Pratt 34-29D Pad Sec.29-T1N-R68W
 WELL @ 5193.0ft (Original Well Elev)
 WELL @ 5193.0ft (Original Well Elev)
 True
 Minimum Curvature

Planned 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) |
|--|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| 4,200.0 | 22.23 | 282.63 | 4,031.9 | 199.2 | -898.9 | 927.5 | 0.00 | 0.00 | 0.00 |
| 4,240.0 | 22.23 | 282.63 | 4,068.9 | 202.5 | -913.7 | 942.6 | 0.00 | 0.00 | 0.00 |
| 4,280.0 | 22.23 | 282.63 | 4,106.0 | 205.8 | -928.4 | 957.8 | 0.00 | 0.00 | 0.00 |
| 4,320.0 | 22.23 | 282.63 | 4,143.0 | 209.1 | -943.2 | 972.9 | 0.00 | 0.00 | 0.00 |
| 4,360.0 | 22.23 | 282.63 | 4,180.0 | 212.4 | -958.0 | 988.0 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 22.23 | 282.63 | 4,217.0 | 215.7 | -972.7 | 1,003.2 | 0.00 | 0.00 | 0.00 |
| 4,440.0 | 22.23 | 282.63 | 4,254.1 | 219.1 | -987.5 | 1,018.3 | 0.00 | 0.00 | 0.00 |
| 4,480.0 | 22.23 | 282.63 | 4,291.1 | 222.4 | -1,002.3 | 1,033.4 | 0.00 | 0.00 | 0.00 |
| 4,520.0 | 22.23 | 282.63 | 4,328.1 | 225.7 | -1,017.0 | 1,048.6 | 0.00 | 0.00 | 0.00 |
| 4,560.0 | 22.23 | 282.63 | 4,365.1 | 229.0 | -1,031.8 | 1,063.7 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 22.23 | 282.63 | 4,402.2 | 232.3 | -1,046.6 | 1,078.9 | 0.00 | 0.00 | 0.00 |
| 4,640.0 | 22.23 | 282.63 | 4,439.2 | 235.6 | -1,061.3 | 1,094.0 | 0.00 | 0.00 | 0.00 |
| 4,680.0 | 22.23 | 282.63 | 4,476.2 | 238.9 | -1,076.1 | 1,109.1 | 0.00 | 0.00 | 0.00 |
| 4,720.0 | 22.23 | 282.63 | 4,513.3 | 242.2 | -1,090.9 | 1,124.3 | 0.00 | 0.00 | 0.00 |
| 4,760.0 | 22.23 | 282.63 | 4,550.3 | 245.5 | -1,105.7 | 1,139.4 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 22.23 | 282.63 | 4,587.3 | 248.8 | -1,120.4 | 1,154.5 | 0.00 | 0.00 | 0.00 |
| 4,840.0 | 22.23 | 282.63 | 4,624.3 | 252.2 | -1,135.2 | 1,169.7 | 0.00 | 0.00 | 0.00 |
| 4,880.0 | 22.23 | 282.63 | 4,661.4 | 255.5 | -1,150.0 | 1,184.8 | 0.00 | 0.00 | 0.00 |
| 4,920.0 | 22.23 | 282.63 | 4,698.4 | 258.8 | -1,164.7 | 1,199.9 | 0.00 | 0.00 | 0.00 |
| 4,960.0 | 22.23 | 282.63 | 4,735.4 | 262.1 | -1,179.5 | 1,215.1 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 22.23 | 282.63 | 4,772.4 | 265.4 | -1,194.3 | 1,230.2 | 0.00 | 0.00 | 0.00 |
| 5,040.0 | 22.23 | 282.63 | 4,809.5 | 268.7 | -1,209.0 | 1,245.3 | 0.00 | 0.00 | 0.00 |
| 5,047.1 | 22.23 | 282.63 | 4,816.0 | 269.3 | -1,211.6 | 1,248.0 | 0.00 | 0.00 | 0.00 |
| 5,080.0 | 21.58 | 282.63 | 4,846.6 | 272.0 | -1,223.6 | 1,260.3 | 2.00 | -2.00 | 0.00 |
| 5,120.0 | 20.78 | 282.63 | 4,883.9 | 275.1 | -1,237.7 | 1,274.8 | 2.00 | -2.00 | 0.00 |
| 5,160.0 | 19.98 | 282.63 | 4,921.4 | 278.2 | -1,251.3 | 1,288.7 | 2.00 | -2.00 | 0.00 |
| 5,200.0 | 19.18 | 282.63 | 4,959.0 | 281.1 | -1,264.4 | 1,302.1 | 2.00 | -2.00 | 0.00 |
| 5,240.0 | 18.38 | 282.63 | 4,996.9 | 283.9 | -1,277.0 | 1,315.0 | 2.00 | -2.00 | 0.00 |
| 5,280.0 | 17.58 | 282.63 | 5,035.0 | 286.6 | -1,289.0 | 1,327.3 | 2.00 | -2.00 | 0.00 |
| 5,320.0 | 16.78 | 282.63 | 5,073.2 | 289.2 | -1,300.5 | 1,339.1 | 2.00 | -2.00 | 0.00 |
| 5,360.0 | 15.98 | 282.63 | 5,111.6 | 291.7 | -1,311.5 | 1,350.4 | 2.00 | -2.00 | 0.00 |
| 5,400.0 | 15.18 | 282.63 | 5,150.1 | 294.0 | -1,322.0 | 1,361.1 | 2.00 | -2.00 | 0.00 |
| 5,440.0 | 14.38 | 282.63 | 5,188.8 | 296.3 | -1,332.0 | 1,371.3 | 2.00 | -2.00 | 0.00 |
| 5,480.0 | 13.58 | 282.63 | 5,227.6 | 298.4 | -1,341.4 | 1,381.0 | 2.00 | -2.00 | 0.00 |
| 5,520.0 | 12.78 | 282.63 | 5,266.5 | 300.4 | -1,350.3 | 1,390.1 | 2.00 | -2.00 | 0.00 |
| 5,560.0 | 11.98 | 282.63 | 5,305.6 | 302.2 | -1,358.7 | 1,398.7 | 2.00 | -2.00 | 0.00 |
| 5,600.0 | 11.18 | 282.63 | 5,344.8 | 304.0 | -1,366.5 | 1,406.7 | 2.00 | -2.00 | 0.00 |
| 5,640.0 | 10.38 | 282.63 | 5,384.1 | 305.6 | -1,373.8 | 1,414.2 | 2.00 | -2.00 | 0.00 |
| 5,680.0 | 9.58 | 282.63 | 5,423.5 | 307.1 | -1,380.5 | 1,421.1 | 2.00 | -2.00 | 0.00 |
| 5,720.0 | 8.78 | 282.63 | 5,463.0 | 308.5 | -1,386.8 | 1,427.5 | 2.00 | -2.00 | 0.00 |
| 5,760.0 | 7.98 | 282.63 | 5,502.5 | 309.8 | -1,392.5 | 1,433.3 | 2.00 | -2.00 | 0.00 |
| 5,800.0 | 7.18 | 282.63 | 5,542.2 | 311.0 | -1,397.6 | 1,438.6 | 2.00 | -2.00 | 0.00 |
| 5,840.0 | 6.38 | 282.63 | 5,581.9 | 312.0 | -1,402.2 | 1,443.3 | 2.00 | -2.00 | 0.00 |
| 5,880.0 | 5.58 | 282.63 | 5,621.7 | 312.9 | -1,406.3 | 1,447.5 | 2.00 | -2.00 | 0.00 |
| 5,920.0 | 4.78 | 282.63 | 5,661.5 | 313.7 | -1,409.8 | 1,451.1 | 2.00 | -2.00 | 0.00 |
| 5,960.0 | 3.98 | 282.63 | 5,701.4 | 314.4 | -1,412.8 | 1,454.1 | 2.00 | -2.00 | 0.00 |
| 6,000.0 | 3.18 | 282.63 | 5,741.3 | 314.9 | -1,415.2 | 1,456.6 | 2.00 | -2.00 | 0.00 |
| 6,040.0 | 2.38 | 282.63 | 5,781.3 | 315.3 | -1,417.1 | 1,458.6 | 2.00 | -2.00 | 0.00 |
| 6,080.0 | 1.58 | 282.63 | 5,821.3 | 315.6 | -1,418.4 | 1,459.9 | 2.00 | -2.00 | 0.00 |
| 6,120.0 | 0.78 | 282.63 | 5,861.2 | 315.8 | -1,419.2 | 1,460.8 | 2.00 | -2.00 | 0.00 |
| 6,158.8 | 0.00 | 0.00 | 5,900.0 | 315.9 | -1,419.5 | 1,461.0 | 2.00 | -2.00 | 199.62 |
| DRILL TARGET BHL 1324'FSL, 2625'FEL | | | | | | | | | |
| 6,160.0 | 0.00 | 0.00 | 5,901.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 0.00 | 0.00 | 5,941.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|----------------------------------|-------------------------------------|---------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Site Pratt 34-29D Pad Sec.29-T1N-R68W |
| Company: | Synergy Resources | TVD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Project: | SEC.29-T1N-R68W | MD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Site: | Pratt 34-29D Pad Sec.29-T1N-R68W | North Reference: | True |
| Well: | Pratt 29-PD | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (12-15-10) | | |

Planned 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) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 6,240.0 | 0.00 | 0.00 | 5,981.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,280.0 | 0.00 | 0.00 | 6,021.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,320.0 | 0.00 | 0.00 | 6,061.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,360.0 | 0.00 | 0.00 | 6,101.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 0.00 | 0.00 | 6,141.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,440.0 | 0.00 | 0.00 | 6,181.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,480.0 | 0.00 | 0.00 | 6,221.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,520.0 | 0.00 | 0.00 | 6,261.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,560.0 | 0.00 | 0.00 | 6,301.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 0.00 | 0.00 | 6,341.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,640.0 | 0.00 | 0.00 | 6,381.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,680.0 | 0.00 | 0.00 | 6,421.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,720.0 | 0.00 | 0.00 | 6,461.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,760.0 | 0.00 | 0.00 | 6,501.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 0.00 | 0.00 | 6,541.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,840.0 | 0.00 | 0.00 | 6,581.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,880.0 | 0.00 | 0.00 | 6,621.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,920.0 | 0.00 | 0.00 | 6,661.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 6,960.0 | 0.00 | 0.00 | 6,701.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 0.00 | 0.00 | 6,741.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,040.0 | 0.00 | 0.00 | 6,781.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,080.0 | 0.00 | 0.00 | 6,821.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,120.0 | 0.00 | 0.00 | 6,861.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,160.0 | 0.00 | 0.00 | 6,901.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 0.00 | 0.00 | 6,941.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,240.0 | 0.00 | 0.00 | 6,981.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,280.0 | 0.00 | 0.00 | 7,021.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,320.0 | 0.00 | 0.00 | 7,061.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,360.0 | 0.00 | 0.00 | 7,101.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 0.00 | 0.00 | 7,141.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,440.0 | 0.00 | 0.00 | 7,181.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,480.0 | 0.00 | 0.00 | 7,221.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,520.0 | 0.00 | 0.00 | 7,261.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,560.0 | 0.00 | 0.00 | 7,301.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 0.00 | 0.00 | 7,341.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,640.0 | 0.00 | 0.00 | 7,381.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,680.0 | 0.00 | 0.00 | 7,421.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,720.0 | 0.00 | 0.00 | 7,461.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,760.0 | 0.00 | 0.00 | 7,501.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 0.00 | 0.00 | 7,541.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,840.0 | 0.00 | 0.00 | 7,581.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,880.0 | 0.00 | 0.00 | 7,621.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,920.0 | 0.00 | 0.00 | 7,661.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 7,960.0 | 0.00 | 0.00 | 7,701.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 0.00 | 0.00 | 7,741.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,040.0 | 0.00 | 0.00 | 7,781.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,080.0 | 0.00 | 0.00 | 7,821.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,120.0 | 0.00 | 0.00 | 7,861.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,160.0 | 0.00 | 0.00 | 7,901.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 0.00 | 0.00 | 7,941.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,240.0 | 0.00 | 0.00 | 7,981.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,280.0 | 0.00 | 0.00 | 8,021.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,320.0 | 0.00 | 0.00 | 8,061.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,360.0 | 0.00 | 0.00 | 8,101.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|----------------------------------|-------------------------------------|---------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Site Pratt 34-29D Pad Sec.29-T1N-R68W |
| Company: | Synergy Resources | TVD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Project: | SEC.29-T1N-R68W | MD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Site: | Pratt 34-29D Pad Sec.29-T1N-R68W | North Reference: | True |
| Well: | Pratt 29-PD | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (12-15-10) | | |

Planned 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) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 8,400.0 | 0.00 | 0.00 | 8,141.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,440.0 | 0.00 | 0.00 | 8,181.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,480.0 | 0.00 | 0.00 | 8,221.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,520.0 | 0.00 | 0.00 | 8,261.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,560.0 | 0.00 | 0.00 | 8,301.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 0.00 | 0.00 | 8,341.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,640.0 | 0.00 | 0.00 | 8,381.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,680.0 | 0.00 | 0.00 | 8,421.2 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |
| 8,708.8 | 0.00 | 0.00 | 8,450.0 | 315.9 | -1,419.5 | 1,461.0 | 0.00 | 0.00 | 0.00 |

Targets

| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|---------------------------|---------------|--------------|----------|------------|------------|---------------|--------------|----------------|------------------|
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| DRILL TARGET BHL | 0.00 | 0.00 | 5,900.0 | 315.9 | -1,419.5 | 1,249,896.54 | 3,132,327.58 | 40° 1' 6.186 N | 105° 1' 39.112 W |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

Casing Points

| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
|---------------------|---------------------|--------|---------------------|-------------------|
| 900.0 | 900.0 | 8 5/8" | 8-5/8 | 12-1/4 |



Directional

Synergy Resources

SEC.29-T1N-R68W

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

Pratt 29-PD

Wellbore #1

Plan #1 (12-15-10)

Anticollision Report

15 December, 2010

| | | | |
|---------------------------|----------------------------------|-------------------------------------|---------------------------------------|
| Company: | Synergy Resources | Local Co-ordinate Reference: | Site Pratt 34-29D Pad Sec.29-T1N-R68W |
| Project: | SEC.29-T1N-R68W | TVD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Reference Site: | Pratt 34-29D Pad Sec.29-T1N-R68W | MD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Pratt 29-PD | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (12-15-10) | Offset TVD Reference: | Offset Datum |

| | | | |
|------------------------------|---|----------------|---------------------|
| Reference | Plan #1 (12-15-10) | | |
| Filter type: | NO GLOBAL FILTER: Using user defined selection & filtering criteria | | |
| Interpolation Method: | Stations | Error Model: | ISCWSA |
| Depth Range: | Unlimited | Scan Method: | Closest Approach 3D |
| Results Limited by: | Maximum center-center distance of 10,000.0ft | Error Surface: | Elliptical Conc |
| Warning Levels Evaluated at: | 2.00 Sigma | | |

| Survey Tool Program | | Date | 12/15/2010 | | |
|---------------------|------------|----------------------------------|------------|----------------|--|
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 0.0 | 8,708.8 | Plan #1 (12-15-10) (Wellbore #1) | MWD | MWD - Standard | |

| Summary | | | | | | |
|---|--|-------------------------------------|--|---|----------------------|---------|
| Site Name | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design | | | | | | |
| Pratt 34-29D Pad Sec.29-T1N-R68W | | | | | | |
| Pratt 33-29D - Wellbore #1 - Plan #1 (12-15-10) | 1,000.0 | 999.0 | 19.9 | 15.7 | 4.694 | CC, ES |
| Pratt 33-29D - Wellbore #1 - Plan #1 (12-15-10) | 1,100.0 | 1,098.3 | 21.5 | 16.8 | 4.588 | SF |
| Pratt 34-29D - Wellbore #1 - Plan #2 (12-15-10) | 1,200.0 | 1,199.0 | 19.7 | 14.6 | 3.837 | CC, ES |
| Pratt 34-29D - Wellbore #1 - Plan #2 (12-15-10) | 1,300.0 | 1,299.0 | 21.4 | 15.8 | 3.836 | SF |

| Pratt 34-29D Pad Sec.29-T1N-R68W - Pratt 33-29D - Wellbore #1 - Plan #1 (12-15-10) | | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|--------|-----------------------|-----------------------------------|-----------------------------------|----------------------|-----------------------|-------------------------|-------------------|--|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference | Offset | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | Offset Wellbore Centre +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -59.16 | 6.5 | -10.9 | 19.9 | | | | | | |
| 100.0 | 100.0 | 99.0 | 99.0 | 0.1 | 0.1 | -59.16 | 6.5 | -10.9 | 19.9 | 19.7 | 0.19 | 102.271 | | | |
| 200.0 | 200.0 | 199.0 | 199.0 | 0.3 | 0.3 | -59.16 | 6.5 | -10.9 | 19.9 | 19.3 | 0.64 | 30.955 | | | |
| 300.0 | 300.0 | 299.0 | 299.0 | 0.5 | 0.5 | -59.16 | 6.5 | -10.9 | 19.9 | 18.8 | 1.09 | 18.216 | | | |
| 400.0 | 400.0 | 399.0 | 399.0 | 0.8 | 0.8 | -59.16 | 6.5 | -10.9 | 19.9 | 18.4 | 1.54 | 12.905 | | | |
| 500.0 | 500.0 | 499.0 | 499.0 | 1.0 | 1.0 | -59.16 | 6.5 | -10.9 | 19.9 | 17.9 | 1.99 | 9.992 | | | |
| 600.0 | 600.0 | 599.0 | 599.0 | 1.2 | 1.2 | -59.16 | 6.5 | -10.9 | 19.9 | 17.5 | 2.44 | 8.152 | | | |
| 700.0 | 700.0 | 699.0 | 699.0 | 1.4 | 1.4 | -59.16 | 6.5 | -10.9 | 19.9 | 17.0 | 2.89 | 6.884 | | | |
| 800.0 | 800.0 | 799.0 | 799.0 | 1.7 | 1.7 | -59.16 | 6.5 | -10.9 | 19.9 | 16.6 | 3.34 | 5.958 | | | |
| 900.0 | 900.0 | 899.0 | 899.0 | 1.9 | 1.9 | -59.16 | 6.5 | -10.9 | 19.9 | 16.1 | 3.79 | 5.251 | | | |
| 1,000.0 | 1,000.0 | 999.0 | 999.0 | 2.1 | 2.1 | -59.16 | 6.5 | -10.9 | 19.9 | 15.7 | 4.24 | 4.694 CC, ES | | | |
| 1,100.0 | 1,100.0 | 1,098.3 | 1,098.3 | 2.3 | 2.3 | -57.54 | 7.9 | -12.0 | 21.5 | 16.8 | 4.68 | 4.588 SF | | | |
| 1,200.0 | 1,200.0 | 1,197.4 | 1,197.2 | 2.6 | 2.6 | -53.82 | 11.9 | -15.1 | 26.4 | 21.3 | 5.13 | 5.148 | | | |
| 1,300.0 | 1,300.0 | 1,296.1 | 1,295.6 | 2.8 | 2.8 | 28.88 | 18.6 | -20.3 | 33.2 | 27.7 | 5.56 | 5.976 | | | |
| 1,400.0 | 1,399.8 | 1,394.5 | 1,393.3 | 3.0 | 3.0 | 35.19 | 27.9 | -27.6 | 40.8 | 34.8 | 5.99 | 6.809 | | | |
| 1,500.0 | 1,499.5 | 1,492.4 | 1,490.0 | 3.2 | 3.3 | 42.07 | 39.8 | -36.9 | 49.4 | 43.0 | 6.42 | 7.698 | | | |
| 1,600.0 | 1,598.7 | 1,589.8 | 1,585.7 | 3.5 | 3.6 | 48.73 | 54.2 | -48.2 | 59.7 | 52.8 | 6.89 | 8.864 | | | |
| 1,700.0 | 1,697.5 | 1,686.7 | 1,680.1 | 3.7 | 3.9 | 54.84 | 71.1 | -61.4 | 71.7 | 64.3 | 7.40 | 9.697 | | | |
| 1,800.0 | 1,795.6 | 1,782.9 | 1,773.2 | 4.0 | 4.3 | 60.22 | 90.3 | -76.4 | 85.8 | 77.8 | 7.98 | 10.757 | | | |
| 1,900.0 | 1,893.1 | 1,879.4 | 1,865.7 | 4.4 | 4.8 | 64.97 | 111.9 | -93.3 | 101.8 | 93.2 | 8.65 | 11.776 | | | |
| 2,000.0 | 1,989.6 | 1,977.6 | 1,959.6 | 4.8 | 5.2 | 69.79 | 134.5 | -110.9 | 117.8 | 108.4 | 9.43 | 12.498 | | | |
| 2,100.0 | 2,085.3 | 2,075.7 | 2,053.4 | 5.3 | 5.7 | 74.79 | 157.0 | -128.6 | 133.6 | 123.3 | 10.34 | 12.921 | | | |
| 2,200.0 | 2,179.8 | 2,173.4 | 2,147.0 | 5.8 | 6.3 | 79.93 | 179.5 | -146.1 | 149.7 | 138.3 | 11.39 | 13.147 | | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

| | | | |
|----------------------------|----------------------------------|-------------------------------------|---------------------------------------|
| Company: | Synergy Resources | Local Co-ordinate Reference: | Site Pratt 34-29D Pad Sec.29-T1N-R68W |
| Project: | SEC.29-T1N-R68W | TVD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Reference Site: | Pratt 34-29D Pad Sec.29-T1N-R68W | MD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Pratt 29-PD | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore: | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (12-15-10) | Offset TVD Reference: | Offset Datum |

| Offset Design Pratt 34-29D Pad Sec.29-T1N-R68W - Pratt 33-29D - Wellbore #1 - Plan #1 (12-15-10) | | | | | | | | | | | | | Offset Site Error: | 0.0ft |
|--|---------------------|---------------------|---------------------|-----------|--------|----------------------|-----------------------|-----------------------------------|-----------------------------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0ft |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference | Offset | Semi Major Axis (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | Offset Wellbore Centre +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning |
| 2,300.0 | 2,273.2 | 2,270.8 | 2,240.1 | 6.4 | 6.8 | 85.14 | | 201.9 | -163.6 | 166.5 | 154.0 | 12.55 | 13.268 | |
| 2,311.7 | 2,284.0 | 2,282.1 | 2,250.9 | 6.5 | 6.9 | 85.75 | | 204.5 | -165.7 | 168.6 | 155.9 | 12.69 | 13.279 | |
| 2,400.0 | 2,365.7 | 2,367.9 | 2,333.0 | 7.1 | 7.3 | 90.27 | | 224.2 | -181.1 | 184.6 | 170.9 | 13.80 | 13.383 | |
| 2,500.0 | 2,458.3 | 2,465.0 | 2,425.8 | 7.8 | 7.9 | 94.51 | | 246.5 | -198.5 | 204.0 | 188.9 | 15.05 | 13.552 | |
| 2,600.0 | 2,550.9 | 2,562.0 | 2,518.7 | 8.5 | 8.4 | 98.01 | | 268.8 | -215.9 | 224.2 | 207.9 | 16.31 | 13.749 | |
| 2,700.0 | 2,643.4 | 2,659.1 | 2,611.5 | 9.3 | 9.0 | 100.93 | | 291.1 | -233.4 | 245.1 | 227.6 | 17.56 | 13.959 | |
| 2,800.0 | 2,736.0 | 2,756.2 | 2,704.4 | 10.0 | 9.5 | 103.40 | | 313.4 | -250.8 | 266.6 | 247.8 | 18.81 | 14.171 | |
| 2,900.0 | 2,828.6 | 2,853.3 | 2,797.2 | 10.8 | 10.1 | 105.50 | | 335.7 | -268.3 | 288.4 | 268.4 | 20.06 | 14.380 | |
| 3,000.0 | 2,921.1 | 2,950.3 | 2,890.1 | 11.5 | 10.7 | 107.30 | | 358.0 | -285.7 | 310.6 | 289.3 | 21.30 | 14.582 | |
| 3,100.0 | 3,013.7 | 3,047.4 | 2,982.9 | 12.3 | 11.2 | 108.87 | | 380.3 | -303.1 | 333.0 | 310.5 | 22.54 | 14.774 | |
| 3,200.0 | 3,106.3 | 3,144.5 | 3,075.8 | 13.1 | 11.8 | 110.23 | | 402.6 | -320.6 | 355.7 | 331.9 | 23.78 | 14.957 | |
| 3,300.0 | 3,198.8 | 3,241.6 | 3,168.6 | 13.9 | 12.4 | 111.44 | | 424.9 | -338.0 | 378.5 | 353.4 | 25.01 | 15.129 | |
| 3,400.0 | 3,291.4 | 3,338.6 | 3,261.5 | 14.7 | 12.9 | 112.50 | | 447.2 | -355.4 | 401.4 | 375.1 | 26.25 | 15.292 | |
| 3,500.0 | 3,384.0 | 3,435.7 | 3,354.3 | 15.4 | 13.5 | 113.46 | | 469.5 | -372.9 | 424.5 | 397.0 | 27.48 | 15.445 | |
| 3,600.0 | 3,476.5 | 3,532.8 | 3,447.2 | 16.2 | 14.1 | 114.31 | | 491.8 | -390.3 | 447.6 | 418.9 | 28.71 | 15.588 | |
| 3,700.0 | 3,569.1 | 3,629.9 | 3,540.1 | 17.0 | 14.6 | 115.08 | | 514.2 | -407.8 | 470.9 | 440.9 | 29.95 | 15.724 | |
| 3,800.0 | 3,661.7 | 3,726.9 | 3,632.9 | 17.8 | 15.2 | 115.78 | | 536.5 | -425.2 | 494.2 | 463.0 | 31.18 | 15.851 | |
| 3,900.0 | 3,754.2 | 3,824.0 | 3,725.8 | 18.6 | 15.8 | 116.41 | | 558.8 | -442.6 | 517.6 | 485.2 | 32.41 | 15.971 | |
| 4,000.0 | 3,846.8 | 3,921.1 | 3,818.6 | 19.4 | 16.4 | 116.99 | | 581.1 | -460.1 | 541.0 | 507.4 | 33.64 | 16.084 | |
| 4,100.0 | 3,939.3 | 4,018.2 | 3,911.5 | 20.2 | 17.0 | 117.53 | | 603.4 | -477.5 | 564.5 | 529.6 | 34.87 | 16.190 | |
| 4,200.0 | 4,031.9 | 4,115.2 | 4,004.3 | 21.0 | 17.5 | 118.02 | | 625.7 | -495.0 | 588.0 | 551.9 | 36.09 | 16.291 | |
| 4,300.0 | 4,124.5 | 4,212.3 | 4,097.2 | 21.8 | 18.1 | 118.47 | | 648.0 | -512.4 | 611.8 | 574.3 | 37.32 | 16.386 | |
| 4,400.0 | 4,217.0 | 4,309.4 | 4,190.0 | 22.6 | 18.7 | 118.89 | | 670.3 | -529.8 | 635.2 | 596.6 | 38.55 | 16.476 | |
| 4,500.0 | 4,309.6 | 4,406.5 | 4,282.9 | 23.4 | 19.3 | 119.28 | | 692.6 | -547.3 | 658.8 | 619.0 | 39.78 | 16.561 | |
| 4,600.0 | 4,402.2 | 4,503.5 | 4,375.7 | 24.2 | 19.8 | 119.64 | | 714.9 | -564.7 | 682.5 | 641.4 | 41.01 | 16.642 | |
| 4,700.0 | 4,494.7 | 4,600.6 | 4,468.6 | 25.0 | 20.4 | 119.98 | | 737.2 | -582.2 | 706.1 | 663.9 | 42.24 | 16.718 | |
| 4,800.0 | 4,587.3 | 4,697.7 | 4,561.4 | 25.8 | 21.0 | 120.29 | | 759.5 | -599.6 | 729.8 | 686.4 | 43.47 | 16.791 | |
| 4,900.0 | 4,679.9 | 4,794.8 | 4,654.3 | 26.6 | 21.6 | 120.59 | | 781.8 | -617.0 | 753.6 | 708.9 | 44.69 | 16.860 | |
| 5,000.0 | 4,772.4 | 4,891.8 | 4,747.1 | 27.5 | 22.2 | 120.87 | | 804.1 | -634.5 | 777.3 | 731.4 | 45.92 | 16.926 | |
| 5,047.1 | 4,816.0 | 4,937.5 | 4,790.9 | 27.8 | 22.4 | 120.99 | | 814.6 | -642.7 | 788.5 | 742.0 | 46.50 | 16.956 | |
| 5,100.0 | 4,865.2 | 4,989.0 | 4,840.1 | 28.2 | 22.8 | 121.31 | | 826.5 | -651.9 | 800.8 | 753.7 | 47.13 | 16.991 | |
| 5,200.0 | 4,959.0 | 5,086.5 | 4,933.4 | 28.8 | 23.3 | 121.73 | | 848.9 | -669.5 | 822.7 | 774.5 | 48.25 | 17.051 | |
| 5,300.0 | 5,054.0 | 5,184.4 | 5,027.0 | 29.3 | 23.9 | 121.90 | | 871.4 | -687.0 | 842.9 | 793.5 | 49.36 | 17.075 | |
| 5,400.0 | 5,150.1 | 5,284.6 | 5,123.1 | 29.8 | 24.5 | 121.88 | | 893.9 | -704.7 | 861.2 | 810.8 | 50.42 | 17.080 | |
| 5,500.0 | 5,247.0 | 5,386.8 | 5,221.8 | 30.2 | 24.9 | 121.84 | | 914.3 | -720.6 | 877.3 | 826.0 | 51.31 | 17.098 | |
| 5,600.0 | 5,344.8 | 5,489.5 | 5,322.0 | 30.6 | 25.3 | 121.82 | | 932.1 | -734.5 | 891.3 | 839.2 | 52.10 | 17.108 | |
| 5,700.0 | 5,443.2 | 5,592.7 | 5,423.5 | 30.9 | 25.6 | 121.80 | | 947.1 | -746.2 | 903.0 | 850.2 | 52.78 | 17.109 | |
| 5,800.0 | 5,542.2 | 5,696.4 | 5,526.0 | 31.2 | 25.9 | 121.78 | | 959.2 | -755.7 | 912.4 | 859.0 | 53.35 | 17.100 | |
| 5,900.0 | 5,641.6 | 5,800.4 | 5,629.3 | 31.4 | 26.2 | 121.77 | | 968.4 | -762.9 | 919.5 | 865.7 | 53.83 | 17.082 | |
| 6,000.0 | 5,741.3 | 5,904.6 | 5,733.3 | 31.6 | 26.4 | 121.77 | | 974.7 | -767.8 | 924.4 | 870.2 | 54.20 | 17.054 | |
| 6,100.0 | 5,841.2 | 6,009.0 | 5,837.6 | 31.7 | 26.5 | 121.76 | | 978.0 | -770.4 | 926.9 | 872.4 | 54.47 | 17.015 | |
| 6,158.8 | 5,900.0 | 6,070.4 | 5,899.0 | 31.8 | 26.6 | 44.39 | | 978.5 | -770.8 | 927.3 | 872.7 | 54.59 | 16.987 | |
| 6,200.0 | 5,941.2 | 6,111.7 | 5,940.2 | 31.8 | 26.6 | 44.39 | | 978.5 | -770.8 | 927.3 | 872.6 | 54.67 | 16.962 | |
| 6,300.0 | 6,041.2 | 6,211.7 | 6,040.2 | 31.9 | 26.7 | 44.39 | | 978.5 | -770.8 | 927.3 | 872.4 | 54.87 | 16.899 | |
| 6,400.0 | 6,141.2 | 6,311.7 | 6,140.2 | 32.0 | 26.8 | 44.39 | | 978.5 | -770.8 | 927.3 | 872.2 | 55.08 | 16.835 | |
| 6,500.0 | 6,241.2 | 6,411.7 | 6,240.2 | 32.1 | 26.9 | 44.39 | | 978.5 | -770.8 | 927.3 | 872.0 | 55.29 | 16.770 | |
| 6,600.0 | 6,341.2 | 6,511.7 | 6,340.2 | 32.2 | 27.1 | 44.39 | | 978.5 | -770.8 | 927.3 | 871.8 | 55.51 | 16.706 | |
| 6,700.0 | 6,441.2 | 6,611.7 | 6,440.2 | 32.3 | 27.2 | 44.39 | | 978.5 | -770.8 | 927.3 | 871.6 | 55.72 | 16.641 | |
| 6,800.0 | 6,541.2 | 6,711.7 | 6,540.2 | 32.4 | 27.3 | 44.39 | | 978.5 | -770.8 | 927.3 | 871.3 | 55.94 | 16.575 | |
| 6,900.0 | 6,641.2 | 6,811.7 | 6,640.2 | 32.4 | 27.4 | 44.39 | | 978.5 | -770.8 | 927.3 | 871.1 | 56.17 | 16.510 | |
| 7,000.0 | 6,741.2 | 6,911.7 | 6,740.2 | 32.5 | 27.5 | 44.39 | | 978.5 | -770.8 | 927.3 | 870.9 | 56.39 | 16.444 | |
| 7,100.0 | 6,841.2 | 7,011.7 | 6,840.2 | 32.6 | 27.6 | 44.39 | | 978.5 | -770.8 | 927.3 | 870.7 | 56.62 | 16.377 | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company: Synergy Resources
Project: SEC.29-T1N-R68W
Reference Site: Pratt 34-29D Pad Sec.29-T1N-R68W
Site Error: 0.0ft
Reference Well: Pratt 29-PD
Well Error: 0.0ft
Reference Wellbore: Wellbore #1
Reference Design: Plan #1 (12-15-10)

Local Co-ordinate Reference: Site Pratt 34-29D Pad Sec.29-T1N-R68W
TVD Reference: WELL @ 5193.0ft (Original Well Elev)
MD Reference: WELL @ 5193.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: Landmark
Offset TVD Reference: Offset Datum

| Offset Design Pratt 34-29D Pad Sec.29-T1N-R68W - Pratt 33-29D - Wellbore #1 - Plan #1 (12-15-10) | | | | | | | | | | | | | Offset Site Error: | 0.0ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|---------------|-------------------------|-------------------|--------------------|-------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 7,200.0 | 6,941.2 | 7,111.7 | 6,940.2 | 32.8 | 27.7 | 44.39 | 978.5 | -770.8 | 927.3 | 870.4 | 56.85 | 16.311 | | |
| 7,300.0 | 7,041.2 | 7,211.7 | 7,040.2 | 32.9 | 27.9 | 44.39 | 978.5 | -770.8 | 927.3 | 870.2 | 57.08 | 16.244 | | |
| 7,400.0 | 7,141.2 | 7,311.7 | 7,140.2 | 33.0 | 28.0 | 44.39 | 978.5 | -770.8 | 927.3 | 870.0 | 57.32 | 16.177 | | |
| 7,500.0 | 7,241.2 | 7,411.7 | 7,240.2 | 33.1 | 28.1 | 44.39 | 978.5 | -770.8 | 927.3 | 869.7 | 57.56 | 16.110 | | |
| 7,600.0 | 7,341.2 | 7,511.7 | 7,340.2 | 33.2 | 28.2 | 44.39 | 978.5 | -770.8 | 927.3 | 869.5 | 57.80 | 16.043 | | |
| 7,700.0 | 7,441.2 | 7,611.7 | 7,440.2 | 33.3 | 28.4 | 44.39 | 978.5 | -770.8 | 927.3 | 869.3 | 58.04 | 15.976 | | |
| 7,800.0 | 7,541.2 | 7,711.7 | 7,540.2 | 33.4 | 28.5 | 44.39 | 978.5 | -770.8 | 927.3 | 869.0 | 58.29 | 15.909 | | |
| 7,900.0 | 7,641.2 | 7,811.7 | 7,640.2 | 33.5 | 28.6 | 44.39 | 978.5 | -770.8 | 927.3 | 868.8 | 58.54 | 15.841 | | |
| 8,000.0 | 7,741.2 | 7,921.4 | 7,650.0 | 33.6 | 28.6 | 44.39 | 978.5 | -770.8 | 931.7 | 873.0 | 58.67 | 15.880 | | |
| 8,100.0 | 7,841.2 | 7,921.4 | 7,650.0 | 33.7 | 28.6 | 44.39 | 978.5 | -770.8 | 946.6 | 887.8 | 58.79 | 16.101 | | |
| 8,200.0 | 7,941.2 | 7,921.4 | 7,650.0 | 33.8 | 28.6 | 44.39 | 978.5 | -770.8 | 971.7 | 912.7 | 58.92 | 16.492 | | |
| 8,300.0 | 8,041.2 | 7,921.4 | 7,650.0 | 33.9 | 28.6 | 44.39 | 978.5 | -770.8 | 1,006.1 | 947.0 | 59.04 | 17.040 | | |
| 8,400.0 | 8,141.2 | 7,921.4 | 7,650.0 | 34.1 | 28.6 | 44.39 | 978.5 | -770.8 | 1,048.9 | 989.7 | 59.17 | 17.728 | | |
| 8,500.0 | 8,241.2 | 7,921.4 | 7,650.0 | 34.2 | 28.6 | 44.39 | 978.5 | -770.8 | 1,099.2 | 1,039.9 | 59.29 | 18.539 | | |
| 8,600.0 | 8,341.2 | 7,921.4 | 7,650.0 | 34.3 | 28.6 | 44.39 | 978.5 | -770.8 | 1,156.0 | 1,096.6 | 59.42 | 19.454 | | |
| 8,708.8 | 8,450.0 | 7,921.4 | 7,650.0 | 34.4 | 28.6 | 44.39 | 978.5 | -770.8 | 1,224.0 | 1,164.5 | 59.56 | 20.551 | | |

Company: Synergy Resources
Project: SEC.29-T1N-R68W
Reference Site: Pratt 34-29D Pad Sec.29-T1N-R68W
Site Error: 0.0ft
Reference Well: Pratt 29-PD
Well Error: 0.0ft
Reference Wellbore: Wellbore #1
Reference Design: Plan #1 (12-15-10)

Local Co-ordinate Reference: Site Pratt 34-29D Pad Sec.29-T1N-R68W
TVD Reference: WELL @ 5193.0ft (Original Well Elev)
MD Reference: WELL @ 5193.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: Landmark
Offset TVD Reference: Offset Datum

| Offset Design Pratt 34-29D Pad Sec.29-T1N-R68W - Pratt 34-29D - Wellbore #1 - Plan #2 (12-15-10) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | Offset | Semi Major Axis | | Distance | | Minimum | | Separation | | Warning | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 119.93 | -13.5 | 23.2 | 19.7 | | | | | |
| 100.0 | 100.0 | 99.0 | 99.0 | 0.1 | 0.1 | 119.93 | -13.5 | 23.2 | 19.7 | 19.5 | 0.19 | 101.324 | | |
| 200.0 | 200.0 | 199.0 | 199.0 | 0.3 | 0.3 | 119.93 | -13.5 | 23.2 | 19.7 | 19.1 | 0.64 | 30.668 | | |
| 300.0 | 300.0 | 299.0 | 299.0 | 0.5 | 0.5 | 119.93 | -13.5 | 23.2 | 19.7 | 18.6 | 1.09 | 18.048 | | |
| 400.0 | 400.0 | 399.0 | 399.0 | 0.8 | 0.8 | 119.93 | -13.5 | 23.2 | 19.7 | 18.2 | 1.54 | 12.786 | | |
| 500.0 | 500.0 | 499.0 | 499.0 | 1.0 | 1.0 | 119.93 | -13.5 | 23.2 | 19.7 | 17.7 | 1.99 | 9.900 | | |
| 600.0 | 600.0 | 599.0 | 599.0 | 1.2 | 1.2 | 119.93 | -13.5 | 23.2 | 19.7 | 17.3 | 2.44 | 8.077 | | |
| 700.0 | 700.0 | 699.0 | 699.0 | 1.4 | 1.4 | 119.93 | -13.5 | 23.2 | 19.7 | 16.8 | 2.89 | 8.820 | | |
| 800.0 | 800.0 | 799.0 | 799.0 | 1.7 | 1.7 | 119.93 | -13.5 | 23.2 | 19.7 | 16.4 | 3.34 | 5.902 | | |
| 900.0 | 900.0 | 899.0 | 899.0 | 1.9 | 1.9 | 119.93 | -13.5 | 23.2 | 19.7 | 15.9 | 3.79 | 5.202 | | |
| 1,000.0 | 1,000.0 | 999.0 | 999.0 | 2.1 | 2.1 | 119.93 | -13.5 | 23.2 | 19.7 | 15.5 | 4.24 | 4.651 | | |
| 1,100.0 | 1,100.0 | 1,099.0 | 1,099.0 | 2.3 | 2.3 | 119.93 | -13.5 | 23.2 | 19.7 | 15.0 | 4.69 | 4.205 | | |
| 1,200.0 | 1,200.0 | 1,199.0 | 1,199.0 | 2.6 | 2.6 | 119.93 | -13.5 | 23.2 | 19.7 | 14.6 | 5.14 | 3.837 CC, ES | | |
| 1,300.0 | 1,300.0 | 1,299.0 | 1,299.0 | 2.8 | 2.8 | -164.09 | -13.5 | 23.2 | 21.4 | 15.8 | 5.58 | 3.836 SF | | |
| 1,400.0 | 1,399.8 | 1,398.8 | 1,398.8 | 3.0 | 3.0 | -167.17 | -13.5 | 23.2 | 26.5 | 20.5 | 6.00 | 4.410 | | |
| 1,500.0 | 1,499.5 | 1,499.3 | 1,499.2 | 3.2 | 3.2 | -168.25 | -14.2 | 21.7 | 33.8 | 27.4 | 6.40 | 5.285 | | |
| 1,600.0 | 1,598.7 | 1,599.8 | 1,599.6 | 3.5 | 3.4 | -166.36 | -16.2 | 16.8 | 42.3 | 35.5 | 6.79 | 6.230 | | |
| 1,700.0 | 1,697.5 | 1,700.3 | 1,699.8 | 3.7 | 3.6 | -163.05 | -19.7 | 8.8 | 51.9 | 44.7 | 7.19 | 7.227 | | |
| 1,800.0 | 1,795.6 | 1,800.8 | 1,799.5 | 4.0 | 3.8 | -159.18 | -24.5 | -2.5 | 63.0 | 55.4 | 7.61 | 8.272 | | |
| 1,900.0 | 1,893.1 | 1,901.2 | 1,898.6 | 4.4 | 4.1 | -155.19 | -30.7 | -17.0 | 75.6 | 67.5 | 8.09 | 9.347 | | |
| 2,000.0 | 1,889.6 | 2,001.4 | 1,996.9 | 4.8 | 4.4 | -151.35 | -38.2 | -34.6 | 90.0 | 81.3 | 8.64 | 10.418 | | |
| 2,100.0 | 2,085.3 | 2,101.3 | 2,094.3 | 5.3 | 4.7 | -147.75 | -47.1 | -55.3 | 106.2 | 96.9 | 9.28 | 11.445 | | |
| 2,200.0 | 2,179.8 | 2,199.8 | 2,189.7 | 5.8 | 5.1 | -144.90 | -56.8 | -77.9 | 124.6 | 114.6 | 10.01 | 12.448 | | |
| 2,300.0 | 2,273.2 | 2,297.5 | 2,284.2 | 6.4 | 5.5 | -143.49 | -66.4 | -100.4 | 145.9 | 135.1 | 10.79 | 13.523 | | |
| 2,311.7 | 2,284.0 | 2,308.8 | 2,295.2 | 6.5 | 5.6 | -143.40 | -67.5 | -103.1 | 148.6 | 137.7 | 10.88 | 13.653 | | |
| 2,400.0 | 2,365.7 | 2,394.8 | 2,378.4 | 7.1 | 5.9 | -143.05 | -76.0 | -122.9 | 168.9 | 157.3 | 11.65 | 14.502 | | |
| 2,500.0 | 2,458.3 | 2,492.1 | 2,472.6 | 7.8 | 6.4 | -142.74 | -85.6 | -145.3 | 192.0 | 179.4 | 12.55 | 15.298 | | |
| 2,600.0 | 2,550.9 | 2,589.4 | 2,566.8 | 8.5 | 6.8 | -142.50 | -95.2 | -167.8 | 215.0 | 201.5 | 13.48 | 15.954 | | |
| 2,700.0 | 2,643.4 | 2,686.7 | 2,661.0 | 9.3 | 7.3 | -142.30 | -104.8 | -190.2 | 238.0 | 223.6 | 14.43 | 16.500 | | |
| 2,800.0 | 2,736.0 | 2,784.0 | 2,755.2 | 10.0 | 7.7 | -142.14 | -114.4 | -212.7 | 261.1 | 245.7 | 15.40 | 16.957 | | |
| 2,900.0 | 2,828.6 | 2,881.3 | 2,849.4 | 10.8 | 8.2 | -142.00 | -124.0 | -235.1 | 284.1 | 267.8 | 16.38 | 17.344 | | |
| 3,000.0 | 2,921.1 | 2,978.6 | 2,943.6 | 11.5 | 8.7 | -141.89 | -133.6 | -257.6 | 307.2 | 289.8 | 17.38 | 17.675 | | |
| 3,100.0 | 3,013.7 | 3,075.9 | 3,037.8 | 12.3 | 9.2 | -141.79 | -143.2 | -280.0 | 330.3 | 311.9 | 18.39 | 17.958 | | |
| 3,200.0 | 3,106.3 | 3,173.2 | 3,132.0 | 13.1 | 9.7 | -141.70 | -152.8 | -302.5 | 353.3 | 333.9 | 19.41 | 18.204 | | |
| 3,300.0 | 3,198.8 | 3,270.5 | 3,226.2 | 13.9 | 10.2 | -141.63 | -162.4 | -324.9 | 376.4 | 355.9 | 20.43 | 18.418 | | |
| 3,400.0 | 3,291.4 | 3,367.8 | 3,320.3 | 14.7 | 10.7 | -141.56 | -172.0 | -347.4 | 399.4 | 377.9 | 21.47 | 18.606 | | |
| 3,500.0 | 3,384.0 | 3,465.1 | 3,414.5 | 15.4 | 11.2 | -141.50 | -181.6 | -369.8 | 422.5 | 400.0 | 22.51 | 18.772 | | |
| 3,600.0 | 3,476.5 | 3,562.4 | 3,508.7 | 16.2 | 11.7 | -141.45 | -191.2 | -392.3 | 445.5 | 422.0 | 23.55 | 18.919 | | |
| 3,700.0 | 3,569.1 | 3,659.7 | 3,602.9 | 17.0 | 12.2 | -141.40 | -200.8 | -414.7 | 468.6 | 444.0 | 24.60 | 19.051 | | |
| 3,800.0 | 3,661.7 | 3,757.0 | 3,697.1 | 17.8 | 12.7 | -141.36 | -210.4 | -437.2 | 491.6 | 466.0 | 25.65 | 19.169 | | |
| 3,900.0 | 3,754.2 | 3,854.3 | 3,791.3 | 18.6 | 13.2 | -141.32 | -220.0 | -459.6 | 514.7 | 488.0 | 26.70 | 19.275 | | |
| 4,000.0 | 3,846.8 | 3,951.7 | 3,885.5 | 19.4 | 13.7 | -141.28 | -229.6 | -482.1 | 537.8 | 510.0 | 27.76 | 19.371 | | |
| 4,100.0 | 3,939.3 | 4,049.0 | 3,979.7 | 20.2 | 14.2 | -141.25 | -239.2 | -504.5 | 560.8 | 532.0 | 28.82 | 19.458 | | |
| 4,200.0 | 4,031.9 | 4,146.3 | 4,073.9 | 21.0 | 14.7 | -141.22 | -248.8 | -527.0 | 583.9 | 554.0 | 29.88 | 19.537 | | |
| 4,300.0 | 4,124.5 | 4,243.6 | 4,168.1 | 21.8 | 15.2 | -141.19 | -258.4 | -549.4 | 606.9 | 576.0 | 30.95 | 19.610 | | |
| 4,400.0 | 4,217.0 | 4,340.9 | 4,262.3 | 22.6 | 15.8 | -141.16 | -268.0 | -571.9 | 630.0 | 598.0 | 32.02 | 19.676 | | |
| 4,500.0 | 4,309.6 | 4,438.2 | 4,356.5 | 23.4 | 16.3 | -141.14 | -277.6 | -594.3 | 653.0 | 620.0 | 33.09 | 19.737 | | |
| 4,600.0 | 4,402.2 | 4,535.5 | 4,450.6 | 24.2 | 16.8 | -141.12 | -287.2 | -616.8 | 676.1 | 641.9 | 34.16 | 19.794 | | |
| 4,700.0 | 4,494.7 | 4,632.8 | 4,544.8 | 25.0 | 17.3 | -141.10 | -296.8 | -639.2 | 699.2 | 663.9 | 35.23 | 19.846 | | |
| 4,800.0 | 4,587.3 | 4,730.1 | 4,639.0 | 25.8 | 17.8 | -141.08 | -306.5 | -661.7 | 722.2 | 685.9 | 36.30 | 19.894 | | |
| 4,900.0 | 4,679.9 | 4,823.6 | 4,729.7 | 26.6 | 18.3 | -141.09 | -315.5 | -682.9 | 745.4 | 708.1 | 37.29 | 19.988 | | |
| 5,000.0 | 4,772.4 | 4,913.7 | 4,817.5 | 27.5 | 18.6 | -141.29 | -323.3 | -701.0 | 769.4 | 731.3 | 38.12 | 20.183 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

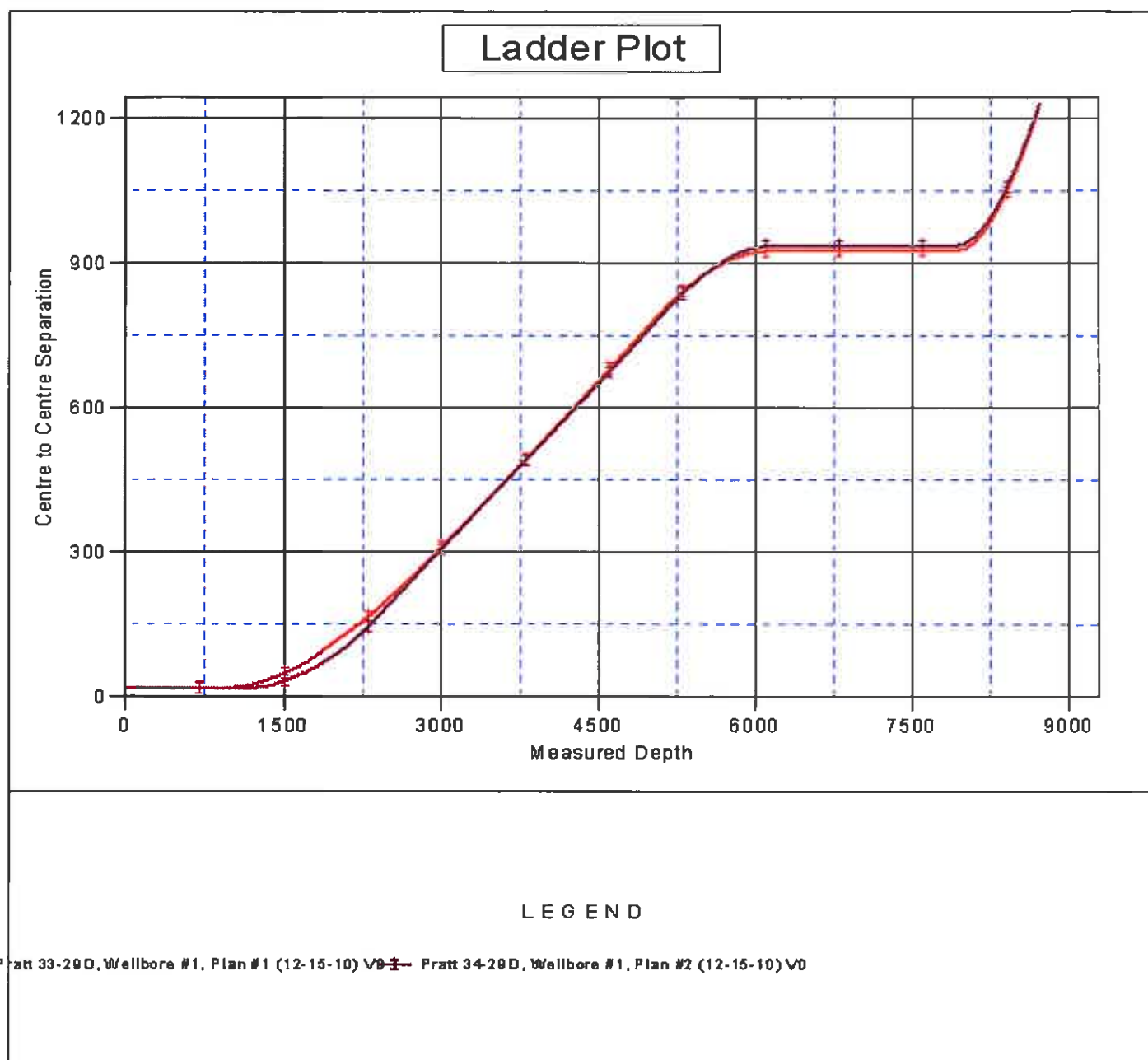
| | | | |
|----------------------------|----------------------------------|-------------------------------------|---------------------------------------|
| Company: | Synergy Resources | Local Co-ordinate Reference: | Site Pratt 34-29D Pad Sec.29-T1N-R68W |
| Project: | SEC.29-T1N-R68W | TVD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Reference Site: | Pratt 34-29D Pad Sec.29-T1N-R68W | MD Reference: | WELL @ 5193.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Pratt 29-PD | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore: | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (12-15-10) | Offset TVD Reference: | Offset Datum |

| Offset Design Pratt 34-29D Pad Sec.29-T1N-R68W - Pratt 34-29D - Wellbore #1 - Plan #2 (12-15-10) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|-------------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | Offset | Semi Major Axis | | Distance | | Minimum Separation | | Separation Factor | | Warning | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 5,047.1 | 4,816.0 | 4,955.9 | 4,858.9 | 27.8 | 18.7 | -141.46 | -326.5 | -708.6 | 781.0 | 742.5 | 38.48 | 20.299 | | |
| 5,100.0 | 4,865.2 | 5,000.0 | 4,902.3 | 28.2 | 18.9 | -141.81 | -329.7 | -715.9 | 794.0 | 755.1 | 38.84 | 20.442 | | |
| 5,200.0 | 4,959.0 | 5,092.6 | 4,993.8 | 28.8 | 19.2 | -142.53 | -335.4 | -729.4 | 817.1 | 777.7 | 39.41 | 20.734 | | |
| 5,300.0 | 5,054.0 | 5,182.0 | 5,082.4 | 29.3 | 19.4 | -143.23 | -339.8 | -739.7 | 838.5 | 798.6 | 39.88 | 21.024 | | |
| 5,400.0 | 5,150.1 | 5,271.3 | 5,171.3 | 29.8 | 19.6 | -143.94 | -343.2 | -747.6 | 858.2 | 817.9 | 40.27 | 21.310 | | |
| 5,500.0 | 5,247.0 | 5,360.4 | 5,260.3 | 30.2 | 19.7 | -144.64 | -345.4 | -752.8 | 876.2 | 835.6 | 40.57 | 21.596 | | |
| 5,600.0 | 5,344.8 | 5,449.4 | 5,349.2 | 30.6 | 19.9 | -145.36 | -346.6 | -755.6 | 892.5 | 851.7 | 40.79 | 21.881 | | |
| 5,700.0 | 5,443.2 | 5,542.4 | 5,442.2 | 30.9 | 20.0 | -146.09 | -346.8 | -756.0 | 907.0 | 866.1 | 40.93 | 22.160 | | |
| 5,800.0 | 5,542.2 | 5,641.4 | 5,541.2 | 31.2 | 20.1 | -146.71 | -346.8 | -756.0 | 918.9 | 877.8 | 41.05 | 22.382 | | |
| 5,900.0 | 5,641.6 | 5,740.8 | 5,640.6 | 31.4 | 20.2 | -147.18 | -346.8 | -756.0 | 927.9 | 886.7 | 41.18 | 22.530 | | |
| 6,000.0 | 5,741.3 | 5,840.5 | 5,740.3 | 31.6 | 20.4 | -147.49 | -346.8 | -756.0 | 934.0 | 892.7 | 41.32 | 22.606 | | |
| 6,100.0 | 5,841.2 | 5,940.5 | 5,840.2 | 31.7 | 20.5 | -147.64 | -346.8 | -756.0 | 937.2 | 895.8 | 41.46 | 22.608 | | |
| 6,158.8 | 5,900.0 | 5,999.2 | 5,899.0 | 31.8 | 20.6 | 134.96 | -346.8 | -756.0 | 937.7 | 896.2 | 41.54 | 22.575 | | |
| 6,200.0 | 5,941.2 | 6,040.5 | 5,940.2 | 31.8 | 20.6 | 134.96 | -346.8 | -756.0 | 937.7 | 896.1 | 41.64 | 22.519 | | |
| 6,300.0 | 6,041.2 | 6,140.5 | 6,040.2 | 31.9 | 20.7 | 134.96 | -346.8 | -756.0 | 937.7 | 895.9 | 41.90 | 22.381 | | |
| 6,400.0 | 6,141.2 | 6,240.5 | 6,140.2 | 32.0 | 20.9 | 134.96 | -346.8 | -756.0 | 937.7 | 895.6 | 42.16 | 22.242 | | |
| 6,500.0 | 6,241.2 | 6,340.5 | 6,240.2 | 32.1 | 21.0 | 134.96 | -346.8 | -756.0 | 937.7 | 895.3 | 42.42 | 22.104 | | |
| 6,600.0 | 6,341.2 | 6,440.5 | 6,340.2 | 32.2 | 21.2 | 134.96 | -346.8 | -756.0 | 937.7 | 895.1 | 42.69 | 21.966 | | |
| 6,700.0 | 6,441.2 | 6,540.5 | 6,440.2 | 32.3 | 21.3 | 134.96 | -346.8 | -756.0 | 937.7 | 894.8 | 42.96 | 21.828 | | |
| 6,800.0 | 6,541.2 | 6,640.5 | 6,540.2 | 32.4 | 21.4 | 134.96 | -346.8 | -756.0 | 937.7 | 894.5 | 43.23 | 21.690 | | |
| 6,900.0 | 6,641.2 | 6,740.5 | 6,640.2 | 32.4 | 21.6 | 134.96 | -346.8 | -756.0 | 937.7 | 894.2 | 43.51 | 21.552 | | |
| 7,000.0 | 6,741.2 | 6,840.5 | 6,740.2 | 32.5 | 21.7 | 134.96 | -346.8 | -756.0 | 937.7 | 894.0 | 43.79 | 21.415 | | |
| 7,100.0 | 6,841.2 | 6,940.5 | 6,840.2 | 32.6 | 21.9 | 134.96 | -346.8 | -756.0 | 937.7 | 893.7 | 44.07 | 21.278 | | |
| 7,200.0 | 6,941.2 | 7,040.5 | 6,940.2 | 32.8 | 22.0 | 134.96 | -346.8 | -756.0 | 937.7 | 893.4 | 44.36 | 21.142 | | |
| 7,300.0 | 7,041.2 | 7,140.5 | 7,040.2 | 32.9 | 22.1 | 134.96 | -346.8 | -756.0 | 937.7 | 893.1 | 44.64 | 21.006 | | |
| 7,400.0 | 7,141.2 | 7,240.5 | 7,140.2 | 33.0 | 22.3 | 134.96 | -346.8 | -756.0 | 937.7 | 892.8 | 44.93 | 20.870 | | |
| 7,500.0 | 7,241.2 | 7,340.5 | 7,240.2 | 33.1 | 22.4 | 134.96 | -346.8 | -756.0 | 937.7 | 892.5 | 45.22 | 20.735 | | |
| 7,600.0 | 7,341.2 | 7,440.5 | 7,340.2 | 33.2 | 22.5 | 134.96 | -346.8 | -756.0 | 937.7 | 892.2 | 45.52 | 20.601 | | |
| 7,700.0 | 7,441.2 | 7,540.5 | 7,440.2 | 33.3 | 22.7 | 134.96 | -346.8 | -756.0 | 937.7 | 891.9 | 45.82 | 20.467 | | |
| 7,800.0 | 7,541.2 | 7,640.5 | 7,540.2 | 33.4 | 22.9 | 134.96 | -346.8 | -756.0 | 937.7 | 891.6 | 46.12 | 20.334 | | |
| 7,900.0 | 7,641.2 | 7,740.5 | 7,640.2 | 33.5 | 23.0 | 134.96 | -346.8 | -756.0 | 937.7 | 891.3 | 46.42 | 20.202 | | |
| 8,000.0 | 7,741.2 | 7,750.2 | 7,650.0 | 33.6 | 23.1 | 134.96 | -346.8 | -756.0 | 942.1 | 895.5 | 46.58 | 20.224 | | |
| 8,100.0 | 7,841.2 | 7,750.2 | 7,650.0 | 33.7 | 23.1 | 134.96 | -346.8 | -756.0 | 956.9 | 910.1 | 46.73 | 20.476 | | |
| 8,200.0 | 7,941.2 | 7,750.2 | 7,650.0 | 33.8 | 23.1 | 134.96 | -346.8 | -756.0 | 981.6 | 934.8 | 46.88 | 20.940 | | |
| 8,300.0 | 8,041.2 | 7,750.2 | 7,650.0 | 33.9 | 23.1 | 134.96 | -346.8 | -756.0 | 1,015.7 | 968.7 | 47.03 | 21.597 | | |
| 8,400.0 | 8,141.2 | 7,750.2 | 7,650.0 | 34.1 | 23.1 | 134.96 | -346.8 | -756.0 | 1,058.2 | 1,011.0 | 47.16 | 22.428 | | |
| 8,500.0 | 8,241.2 | 7,750.2 | 7,650.0 | 34.2 | 23.1 | 134.96 | -346.8 | -756.0 | 1,108.0 | 1,060.7 | 47.33 | 23.409 | | |
| 8,600.0 | 8,341.2 | 7,750.2 | 7,650.0 | 34.3 | 23.1 | 134.96 | -346.8 | -756.0 | 1,164.4 | 1,116.9 | 47.49 | 24.520 | | |
| 8,708.8 | 8,450.0 | 7,750.2 | 7,650.0 | 34.4 | 23.1 | 134.96 | -346.8 | -756.0 | 1,232.0 | 1,184.3 | 47.66 | 25.851 | | |

Company: Synergy Resources
Project: SEC.29-T1N-R68W
Reference Site: Pratt 34-29D Pad Sec.29-T1N-R68W
Site Error: 0.0ft
Reference Well: Pratt 29-PD
Well Error: 0.0ft
Reference Wellbore: Wellbore #1
Reference Design: Plan #1 (12-15-10)

Local Co-ordinate Reference: Site Pratt 34-29D Pad Sec.29-T1N-R68W
TVD Reference: WELL @ 5193.0ft (Original Well Elev)
MD Reference: WELL @ 5193.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: Landmark
Offset TVD Reference: Offset Datum

Reference Depths are relative to WELL @ 5193.0ft (Original Well Elev) Coordinates are relative to: Pratt 34-29D Pad Sec.29-T1N-R68W
 Offset Depths are relative to Offset Datum
 Central Meridian is 105° 30' 0.000 W °
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.31°



Company: Synergy Resources
Project: SEC.29-T1N-R68W
Reference Site: Pratt 34-29D Pad Sec.29-T1N-R68W
Site Error: 0.0ft
Reference Well: Pratt 29-PD
Well Error: 0.0ft
Reference Wellbore: Wellbore #1
Reference Design: Plan #1 (12-15-10)

Local Co-ordinate Reference: Site Pratt 34-29D Pad Sec.29-T1N-R68W
TVD Reference: WELL @ 5193.0ft (Original Well Elev)
MD Reference: WELL @ 5193.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: Landmark
Offset TVD Reference: Offset Datum

Reference Depths are relative to WELL @ 5193.0ft (Original Well Elev) Coordinates are relative to: Pratt 34-29D Pad Sec.29-T1N-R68W
Offset Depths are relative to Offset Datum
Central Meridian is 105° 30' 0.000 W °
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.31°

