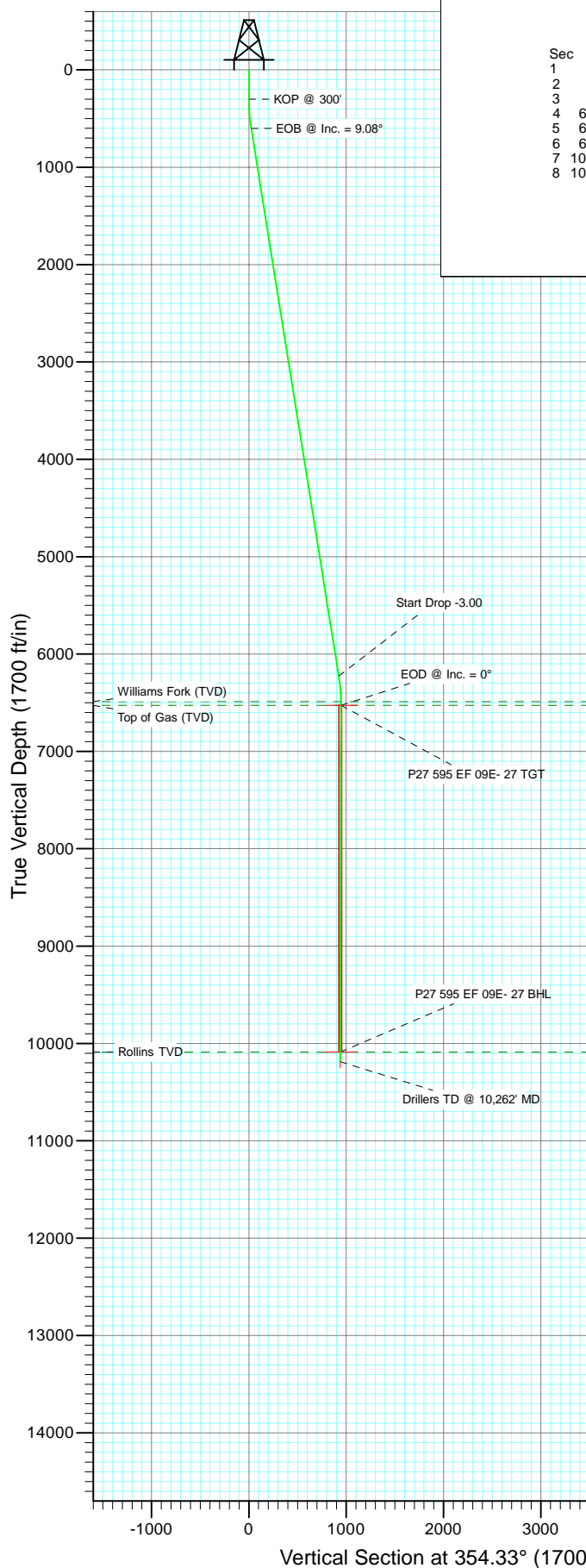


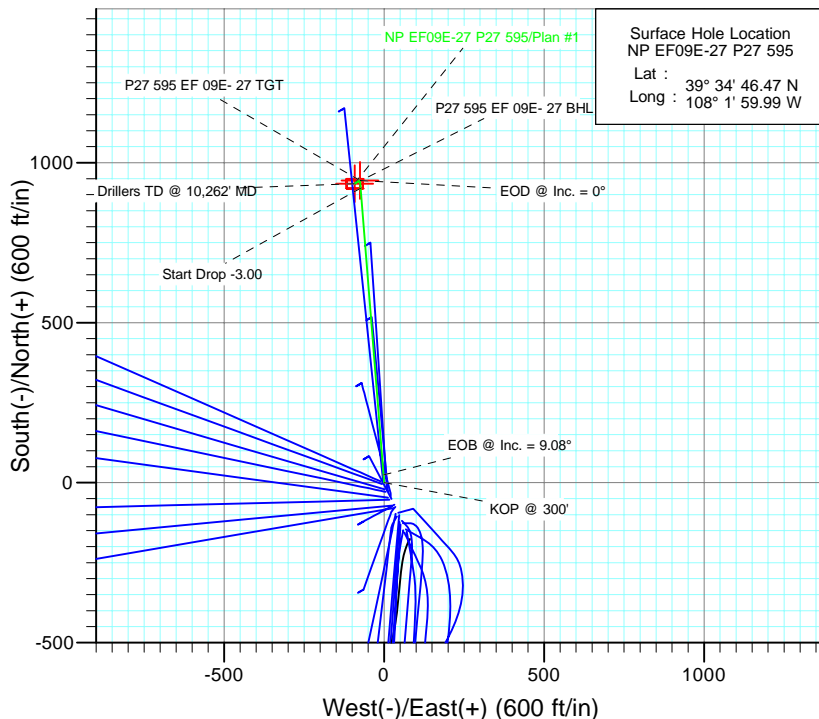


Project: North Piceance
Site: P27 595 (S27-T5S-R95W)
Well: NP EF09E-27 P27 595
Wellbore: DD
Design: Plan #1

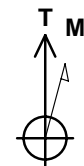


SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSection | Target |
|-----|---------|------|--------|---------|-------|-------|------|--------|----------|------------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 602.8 | 9.08 | 355.45 | 601.5 | 23.9 | -1.9 | 3.00 | 355.45 | 24.0 | |
| 4 | 6299.2 | 9.08 | 355.45 | 6226.5 | 920.4 | -73.3 | 0.00 | 0.00 | 923.2 | |
| 5 | 6602.0 | 0.00 | 0.00 | 6528.0 | 944.3 | -75.2 | 3.00 | 180.00 | 947.1 | P27 595 EF 09E- 27 TGT |
| 6 | 6731.2 | 0.32 | 239.56 | 6657.2 | 944.1 | -75.5 | 0.25 | 239.56 | 947.0 | |
| 7 | 10162.0 | 0.32 | 239.56 | 10088.0 | 934.3 | -92.2 | 0.00 | 0.00 | 938.9 | P27 595 EF 09E- 27 BHL |
| 8 | 10262.0 | 0.32 | 239.56 | 10188.0 | 934.0 | -92.7 | 0.00 | 0.00 | 938.6 | |



Surface Hole Location
NP EF09E-27 P27 595
Lat : 39° 34' 46.47 N
Long : 108° 1' 59.99 W



Azimuths to True North
Magnetic North: 10.46°

Magnetic Field
Strength: 52346.7nT
Dip Angle: 65.82°
Date: 11/5/2010
Model: IGRF2010

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|---------------------|
| 6488.0 | 6562.0 | Williams Fork (TVD) |
| 6528.0 | 6602.0 | Top of Gas (TVD) |
| 10088.0 | 10162.0 | Rollins TVD |

Plan #1
NP EF09E-27 P27 595
WELL @ 6671.0ft (Original Well Elev)
North American Datum 1983
Well NP EF09E-27 P27 595, True North

| Type TD | Target No Target (Freehand) | Azimuth 354.33 | Origin Type Slot | N/S 0.0 | E/W 0.0 | From TVD 0.0 |
|------------------------|-----------------------------|----------------|------------------|-----------------|----------------|--------------|
| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | |
| P27 595 EF 09E- 27 TGT | 6528.0 | 944.3 | -75.2 | 39° 34' 55.80 N | 108° 2' 0.95 W | |
| P27 595 EF 09E- 27 BHL | 10088.0 | 934.3 | -92.2 | 39° 34' 55.70 N | 108° 2' 1.17 W | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM 5000.1 US Multi Users DB | Local Co-ordinate Reference: | Well NP EF09E-27 P27 595 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 6671.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | WELL @ 6671.0ft (Original Well Elev) |
| Site: | P27 595 (S27-T5S-R95W) | North Reference: | True |
| Well: | NP EF09E-27 P27 595 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #1 | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | North Piceance | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | |

| | | | | | |
|-----------------------|----------|------------------------|-----------------|-------------------|-----------------|
| Site | | P27 595 (S27-T5S-R95W) | | | |
| Site Position: | | Northing: | 1,645,842.89 ft | Latitude: | 39° 34' 45.45 N |
| From: | Lat/Long | Easting: | 2,286,079.88 ft | Longitude: | 108° 1' 59.43 W |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 0.000 in | Grid Convergence: | -1.60 ° |

| | | | | | | |
|----------------------|---------------------|--------|---------------------|-----------------|---------------|-----------------|
| Well | NP EF09E-27 P27 595 | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,645,946.94 ft | Latitude: | 39° 34' 46.47 N |
| | +E/-W | 0.0 ft | Easting: | 2,286,038.88 ft | Longitude: | 108° 1' 59.99 W |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 6,649.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | DD | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 11/5/2010 | 10.46 | 65.82 | 52,347 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|-----|
| Design | Plan #1 | | | | |
| Audit Notes: | | | | | |
| Version: | Phase: | PLAN | | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.0 | 0.0 | 0.0 | 354.33 | |

| 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 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 602.8 | 9.08 | 355.45 | 601.5 | 23.9 | -1.9 | 3.00 | 3.00 | 0.00 | 355.45 | |
| 6,299.2 | 9.08 | 355.45 | 6,226.5 | 920.4 | -73.3 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,602.0 | 0.00 | 0.00 | 6,528.0 | 944.3 | -75.2 | 3.00 | -3.00 | 0.00 | 180.00 | P27 595 EF 09E- 27 1 |
| 6,731.2 | 0.32 | 239.56 | 6,657.2 | 944.1 | -75.5 | 0.25 | 0.25 | -93.19 | 239.56 | |
| 10,162.0 | 0.32 | 239.56 | 10,088.0 | 934.3 | -92.2 | 0.00 | 0.00 | 0.00 | 0.00 | P27 595 EF 09E- 27 6 |
| 10,262.0 | 0.32 | 239.56 | 10,188.0 | 934.0 | -92.7 | 0.00 | 0.00 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM 5000.1 US Multi Users DB | Local Co-ordinate Reference: | Well NP EF09E-27 P27 595 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 6671.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | WELL @ 6671.0ft (Original Well Elev) |
| Site: | P27 595 (S27-T5S-R95W) | North Reference: | True |
| Well: | NP EF09E-27 P27 595 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #1 | | |

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) | Comments / Formations |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | KOP @ 300' |
| 400.0 | 3.00 | 355.45 | 400.0 | 2.6 | -0.2 | 2.6 | 3.00 | 3.00 | |
| 500.0 | 6.00 | 355.45 | 499.6 | 10.4 | -0.8 | 10.5 | 3.00 | 3.00 | |
| 600.0 | 9.00 | 355.45 | 598.8 | 23.4 | -1.9 | 23.5 | 3.00 | 3.00 | |
| 602.8 | 9.08 | 355.45 | 601.6 | 23.9 | -1.9 | 24.0 | 2.98 | 2.98 | EOB @ Inc. = 9.08° |
| 700.0 | 9.08 | 355.45 | 697.5 | 39.2 | -3.1 | 39.3 | 0.00 | 0.00 | |
| 800.0 | 9.08 | 355.45 | 796.3 | 54.9 | -4.4 | 55.1 | 0.00 | 0.00 | |
| 900.0 | 9.08 | 355.45 | 895.0 | 70.7 | -5.6 | 70.9 | 0.00 | 0.00 | |
| 1,000.0 | 9.08 | 355.45 | 993.8 | 86.4 | -6.9 | 86.6 | 0.00 | 0.00 | |
| 1,100.0 | 9.08 | 355.45 | 1,092.5 | 102.1 | -8.1 | 102.4 | 0.00 | 0.00 | |
| 1,200.0 | 9.08 | 355.45 | 1,191.2 | 117.9 | -9.4 | 118.2 | 0.00 | 0.00 | |
| 1,300.0 | 9.08 | 355.45 | 1,290.0 | 133.6 | -10.6 | 134.0 | 0.00 | 0.00 | |
| 1,400.0 | 9.08 | 355.45 | 1,388.7 | 149.3 | -11.9 | 149.8 | 0.00 | 0.00 | |
| 1,500.0 | 9.08 | 355.45 | 1,487.5 | 165.1 | -13.1 | 165.6 | 0.00 | 0.00 | |
| 1,600.0 | 9.08 | 355.45 | 1,586.2 | 180.8 | -14.4 | 181.4 | 0.00 | 0.00 | |
| 1,700.0 | 9.08 | 355.45 | 1,685.0 | 196.6 | -15.7 | 197.1 | 0.00 | 0.00 | |
| 1,800.0 | 9.08 | 355.45 | 1,783.7 | 212.3 | -16.9 | 212.9 | 0.00 | 0.00 | |
| 1,900.0 | 9.08 | 355.45 | 1,882.5 | 228.0 | -18.2 | 228.7 | 0.00 | 0.00 | |
| 2,000.0 | 9.08 | 355.45 | 1,981.2 | 243.8 | -19.4 | 244.5 | 0.00 | 0.00 | |
| 2,100.0 | 9.08 | 355.45 | 2,080.0 | 259.5 | -20.7 | 260.3 | 0.00 | 0.00 | |
| 2,200.0 | 9.08 | 355.45 | 2,178.7 | 275.3 | -21.9 | 276.1 | 0.00 | 0.00 | |
| 2,300.0 | 9.08 | 355.45 | 2,277.4 | 291.0 | -23.2 | 291.9 | 0.00 | 0.00 | |
| 2,400.0 | 9.08 | 355.45 | 2,376.2 | 306.7 | -24.4 | 307.6 | 0.00 | 0.00 | |
| 2,500.0 | 9.08 | 355.45 | 2,474.9 | 322.5 | -25.7 | 323.4 | 0.00 | 0.00 | |
| 2,600.0 | 9.08 | 355.45 | 2,573.7 | 338.2 | -26.9 | 339.2 | 0.00 | 0.00 | |
| 2,700.0 | 9.08 | 355.45 | 2,672.4 | 354.0 | -28.2 | 355.0 | 0.00 | 0.00 | |
| 2,800.0 | 9.08 | 355.45 | 2,771.2 | 369.7 | -29.4 | 370.8 | 0.00 | 0.00 | |
| 2,900.0 | 9.08 | 355.45 | 2,869.9 | 385.4 | -30.7 | 386.6 | 0.00 | 0.00 | |
| 3,000.0 | 9.08 | 355.45 | 2,968.7 | 401.2 | -31.9 | 402.4 | 0.00 | 0.00 | |
| 3,100.0 | 9.08 | 355.45 | 3,067.4 | 416.9 | -33.2 | 418.1 | 0.00 | 0.00 | |
| 3,200.0 | 9.08 | 355.45 | 3,166.2 | 432.6 | -34.5 | 433.9 | 0.00 | 0.00 | |
| 3,300.0 | 9.08 | 355.45 | 3,264.9 | 448.4 | -35.7 | 449.7 | 0.00 | 0.00 | |
| 3,400.0 | 9.08 | 355.45 | 3,363.6 | 464.1 | -37.0 | 465.5 | 0.00 | 0.00 | |
| 3,500.0 | 9.08 | 355.45 | 3,462.4 | 479.9 | -38.2 | 481.3 | 0.00 | 0.00 | |
| 3,600.0 | 9.08 | 355.45 | 3,561.1 | 495.6 | -39.5 | 497.1 | 0.00 | 0.00 | |
| 3,700.0 | 9.08 | 355.45 | 3,659.9 | 511.3 | -40.7 | 512.9 | 0.00 | 0.00 | |
| 3,800.0 | 9.08 | 355.45 | 3,758.6 | 527.1 | -42.0 | 528.6 | 0.00 | 0.00 | |
| 3,900.0 | 9.08 | 355.45 | 3,857.4 | 542.8 | -43.2 | 544.4 | 0.00 | 0.00 | |
| 4,000.0 | 9.08 | 355.45 | 3,956.1 | 558.6 | -44.5 | 560.2 | 0.00 | 0.00 | |
| 4,100.0 | 9.08 | 355.45 | 4,054.9 | 574.3 | -45.7 | 576.0 | 0.00 | 0.00 | |
| 4,200.0 | 9.08 | 355.45 | 4,153.6 | 590.0 | -47.0 | 591.8 | 0.00 | 0.00 | |
| 4,300.0 | 9.08 | 355.45 | 4,252.4 | 605.8 | -48.2 | 607.6 | 0.00 | 0.00 | |
| 4,400.0 | 9.08 | 355.45 | 4,351.1 | 621.5 | -49.5 | 623.4 | 0.00 | 0.00 | |
| 4,500.0 | 9.08 | 355.45 | 4,449.9 | 637.3 | -50.7 | 639.1 | 0.00 | 0.00 | |
| 4,600.0 | 9.08 | 355.45 | 4,548.6 | 653.0 | -52.0 | 654.9 | 0.00 | 0.00 | |
| 4,700.0 | 9.08 | 355.45 | 4,647.3 | 668.7 | -53.3 | 670.7 | 0.00 | 0.00 | |
| 4,800.0 | 9.08 | 355.45 | 4,746.1 | 684.5 | -54.5 | 686.5 | 0.00 | 0.00 | |
| 4,900.0 | 9.08 | 355.45 | 4,844.8 | 700.2 | -55.8 | 702.3 | 0.00 | 0.00 | |
| 5,000.0 | 9.08 | 355.45 | 4,943.6 | 715.9 | -57.0 | 718.1 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM 5000.1 US Multi Users DB | Local Co-ordinate Reference: | Well NP EF09E-27 P27 595 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 6671.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | WELL @ 6671.0ft (Original Well Elev) |
| Site: | P27 595 (S27-T5S-R95W) | North Reference: | True |
| Well: | NP EF09E-27 P27 595 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #1 | | |

| 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) | Comments / Formations |
| 5,100.0 | 9.08 | 355.45 | 5,042.3 | 731.7 | -58.3 | 733.9 | 0.00 | 0.00 | |
| 5,200.0 | 9.08 | 355.45 | 5,141.1 | 747.4 | -59.5 | 749.6 | 0.00 | 0.00 | |
| 5,300.0 | 9.08 | 355.45 | 5,239.8 | 763.2 | -60.8 | 765.4 | 0.00 | 0.00 | |
| 5,400.0 | 9.08 | 355.45 | 5,338.6 | 778.9 | -62.0 | 781.2 | 0.00 | 0.00 | |
| 5,500.0 | 9.08 | 355.45 | 5,437.3 | 794.6 | -63.3 | 797.0 | 0.00 | 0.00 | |
| 5,600.0 | 9.08 | 355.45 | 5,536.1 | 810.4 | -64.5 | 812.8 | 0.00 | 0.00 | |
| 5,700.0 | 9.08 | 355.45 | 5,634.8 | 826.1 | -65.8 | 828.6 | 0.00 | 0.00 | |
| 5,800.0 | 9.08 | 355.45 | 5,733.5 | 841.9 | -67.0 | 844.4 | 0.00 | 0.00 | |
| 5,900.0 | 9.08 | 355.45 | 5,832.3 | 857.6 | -68.3 | 860.1 | 0.00 | 0.00 | |
| 6,000.0 | 9.08 | 355.45 | 5,931.0 | 873.3 | -69.5 | 875.9 | 0.00 | 0.00 | |
| 6,100.0 | 9.08 | 355.45 | 6,029.8 | 889.1 | -70.8 | 891.7 | 0.00 | 0.00 | |
| 6,200.0 | 9.08 | 355.45 | 6,128.5 | 904.8 | -72.1 | 907.5 | 0.00 | 0.00 | |
| 6,299.2 | 9.08 | 355.45 | 6,226.4 | 920.4 | -73.3 | 923.2 | 0.00 | 0.00 | Start Drop -3.00 |
| 6,300.0 | 9.06 | 355.45 | 6,227.3 | 920.6 | -73.3 | 923.3 | 2.97 | -2.97 | |
| 6,400.0 | 6.06 | 355.45 | 6,326.4 | 933.7 | -74.4 | 936.4 | 3.00 | -3.00 | |
| 6,500.0 | 3.06 | 355.45 | 6,426.1 | 941.6 | -75.0 | 944.4 | 3.00 | -3.00 | |
| 6,562.0 | 1.20 | 355.45 | 6,488.0 | 943.9 | -75.2 | 946.7 | 3.00 | -3.00 | Williams Fork (TVD) |
| 6,600.0 | 0.06 | 355.45 | 6,526.0 | 944.3 | -75.2 | 947.1 | 3.00 | -3.00 | |
| 6,602.0 | 0.00 | 0.00 | 6,528.0 | 944.3 | -75.2 | 947.1 | 3.00 | -3.00 | EOD @ Inc. = 0° - Top of Gas (TVD) - P27 595 |
| 6,700.0 | 0.25 | 239.56 | 6,626.0 | 944.2 | -75.4 | 947.0 | 0.25 | 0.25 | |
| 6,731.2 | 0.32 | 239.56 | 6,657.2 | 944.1 | -75.5 | 947.0 | 0.25 | 0.25 | |
| 6,800.0 | 0.32 | 239.56 | 6,726.0 | 943.9 | -75.8 | 946.8 | 0.00 | 0.00 | |
| 6,900.0 | 0.32 | 239.56 | 6,826.0 | 943.6 | -76.3 | 946.6 | 0.00 | 0.00 | |
| 7,000.0 | 0.32 | 239.56 | 6,926.0 | 943.3 | -76.8 | 946.3 | 0.00 | 0.00 | |
| 7,100.0 | 0.32 | 239.56 | 7,026.0 | 943.1 | -77.3 | 946.1 | 0.00 | 0.00 | |
| 7,200.0 | 0.32 | 239.56 | 7,126.0 | 942.8 | -77.8 | 945.9 | 0.00 | 0.00 | |
| 7,300.0 | 0.32 | 239.56 | 7,226.0 | 942.5 | -78.3 | 945.6 | 0.00 | 0.00 | |
| 7,400.0 | 0.32 | 239.56 | 7,326.0 | 942.2 | -78.8 | 945.4 | 0.00 | 0.00 | |
| 7,500.0 | 0.32 | 239.56 | 7,426.0 | 941.9 | -79.3 | 945.1 | 0.00 | 0.00 | |
| 7,600.0 | 0.32 | 239.56 | 7,526.0 | 941.6 | -79.7 | 944.9 | 0.00 | 0.00 | |
| 7,700.0 | 0.32 | 239.56 | 7,626.0 | 941.3 | -80.2 | 944.7 | 0.00 | 0.00 | |
| 7,800.0 | 0.32 | 239.56 | 7,726.0 | 941.1 | -80.7 | 944.4 | 0.00 | 0.00 | |
| 7,900.0 | 0.32 | 239.56 | 7,826.0 | 940.8 | -81.2 | 944.2 | 0.00 | 0.00 | |
| 8,000.0 | 0.32 | 239.56 | 7,926.0 | 940.5 | -81.7 | 944.0 | 0.00 | 0.00 | |
| 8,100.0 | 0.32 | 239.56 | 8,026.0 | 940.2 | -82.2 | 943.7 | 0.00 | 0.00 | |
| 8,200.0 | 0.32 | 239.56 | 8,126.0 | 939.9 | -82.7 | 943.5 | 0.00 | 0.00 | |
| 8,300.0 | 0.32 | 239.56 | 8,226.0 | 939.6 | -83.1 | 943.3 | 0.00 | 0.00 | |
| 8,400.0 | 0.32 | 239.56 | 8,326.0 | 939.3 | -83.6 | 943.0 | 0.00 | 0.00 | |
| 8,500.0 | 0.32 | 239.56 | 8,426.0 | 939.1 | -84.1 | 942.8 | 0.00 | 0.00 | |
| 8,600.0 | 0.32 | 239.56 | 8,526.0 | 938.8 | -84.6 | 942.5 | 0.00 | 0.00 | |
| 8,700.0 | 0.32 | 239.56 | 8,626.0 | 938.5 | -85.1 | 942.3 | 0.00 | 0.00 | |
| 8,800.0 | 0.32 | 239.56 | 8,726.0 | 938.2 | -85.6 | 942.1 | 0.00 | 0.00 | |
| 8,900.0 | 0.32 | 239.56 | 8,826.0 | 937.9 | -86.1 | 941.8 | 0.00 | 0.00 | |
| 9,000.0 | 0.32 | 239.56 | 8,926.0 | 937.6 | -86.5 | 941.6 | 0.00 | 0.00 | |
| 9,100.0 | 0.32 | 239.56 | 9,026.0 | 937.3 | -87.0 | 941.4 | 0.00 | 0.00 | |
| 9,200.0 | 0.32 | 239.56 | 9,126.0 | 937.1 | -87.5 | 941.1 | 0.00 | 0.00 | |
| 9,300.0 | 0.32 | 239.56 | 9,226.0 | 936.8 | -88.0 | 940.9 | 0.00 | 0.00 | |
| 9,400.0 | 0.32 | 239.56 | 9,326.0 | 936.5 | -88.5 | 940.7 | 0.00 | 0.00 | |
| 9,500.0 | 0.32 | 239.56 | 9,426.0 | 936.2 | -89.0 | 940.4 | 0.00 | 0.00 | |
| 9,600.0 | 0.32 | 239.56 | 9,526.0 | 935.9 | -89.5 | 940.2 | 0.00 | 0.00 | |
| 9,700.0 | 0.32 | 239.56 | 9,626.0 | 935.6 | -89.9 | 939.9 | 0.00 | 0.00 | |
| 9,800.0 | 0.32 | 239.56 | 9,726.0 | 935.3 | -90.4 | 939.7 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM 5000.1 US Multi Users DB | Local Co-ordinate Reference: | Well NP EF09E-27 P27 595 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 6671.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | WELL @ 6671.0ft (Original Well Elev) |
| Site: | P27 595 (S27-T5S-R95W) | North Reference: | True |
| Well: | NP EF09E-27 P27 595 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #1 | | |

| 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) | Comments / Formations |
| 9,900.0 | 0.32 | 239.56 | 9,826.0 | 935.1 | -90.9 | 939.5 | 0.00 | 0.00 | |
| 10,000.0 | 0.32 | 239.56 | 9,926.0 | 934.8 | -91.4 | 939.2 | 0.00 | 0.00 | |
| 10,100.0 | 0.32 | 239.56 | 10,026.0 | 934.5 | -91.9 | 939.0 | 0.00 | 0.00 | |
| 10,162.0 | 0.32 | 239.56 | 10,088.0 | 934.3 | -92.2 | 938.9 | 0.00 | 0.00 | Rollins TVD - P27 595 EF 09E- 27 BHL |
| 10,200.0 | 0.32 | 239.56 | 10,126.0 | 934.2 | -92.4 | 938.8 | 0.00 | 0.00 | |
| 10,262.0 | 0.32 | 239.56 | 10,188.0 | 934.0 | -92.7 | 938.6 | 0.00 | 0.00 | Drillers TD @ 10,262' MD |

| Targets | | | | | | | | | |
|-----------------------|--------------------------------------|---------------|--------------|----------|------------|------------|---------------|--------------|--------------------------------|
| Target Name | - hit/miss target | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | |
| - Shape | | | | | | | | | Latitude Longitude |
| P27 595 EF 09E- 27 TG | - plan hits target center | 0.00 | 0.00 | 6,528.0 | 944.3 | -75.2 | 1,646,892.97 | 2,285,990.04 | 39° 34' 55.80 N 108° 2' 0.95 W |
| | - Point | | | | | | | | |
| P27 595 EF 09E- 27 BH | - plan hits target center | 0.00 | 0.00 | 10,088.0 | 934.3 | -92.2 | 1,646,883.46 | 2,285,972.77 | 39° 34' 55.70 N 108° 2' 1.17 W |
| | - Rectangle (sides W30.0 H50.0 D0.0) | | | | | | | | |

| Formations | | | | | | |
|---------------------|---------------------|---------------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 6,562.0 | 6,488.0 | Williams Fork (TVD) | | | | |
| 6,602.0 | 6,528.0 | Top of Gas (TVD) | | | | |
| 10,162.0 | 10,088.0 | Rollins TVD | | | | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|--------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 300.0 | 300.0 | 0.0 | 0.0 | KOP @ 300' | |
| 602.8 | 601.6 | 23.9 | -1.9 | EOB @ Inc. = 9.08° | |
| 6,299.2 | 6,226.4 | 920.4 | -73.3 | Start Drop -3.00 | |
| 6,602.0 | 6,528.0 | 944.3 | -75.2 | EOD @ Inc. = 0° | |
| 10,262.0 | 10,188.0 | 934.0 | -92.7 | Drillers TD @ 10,262' MD | |