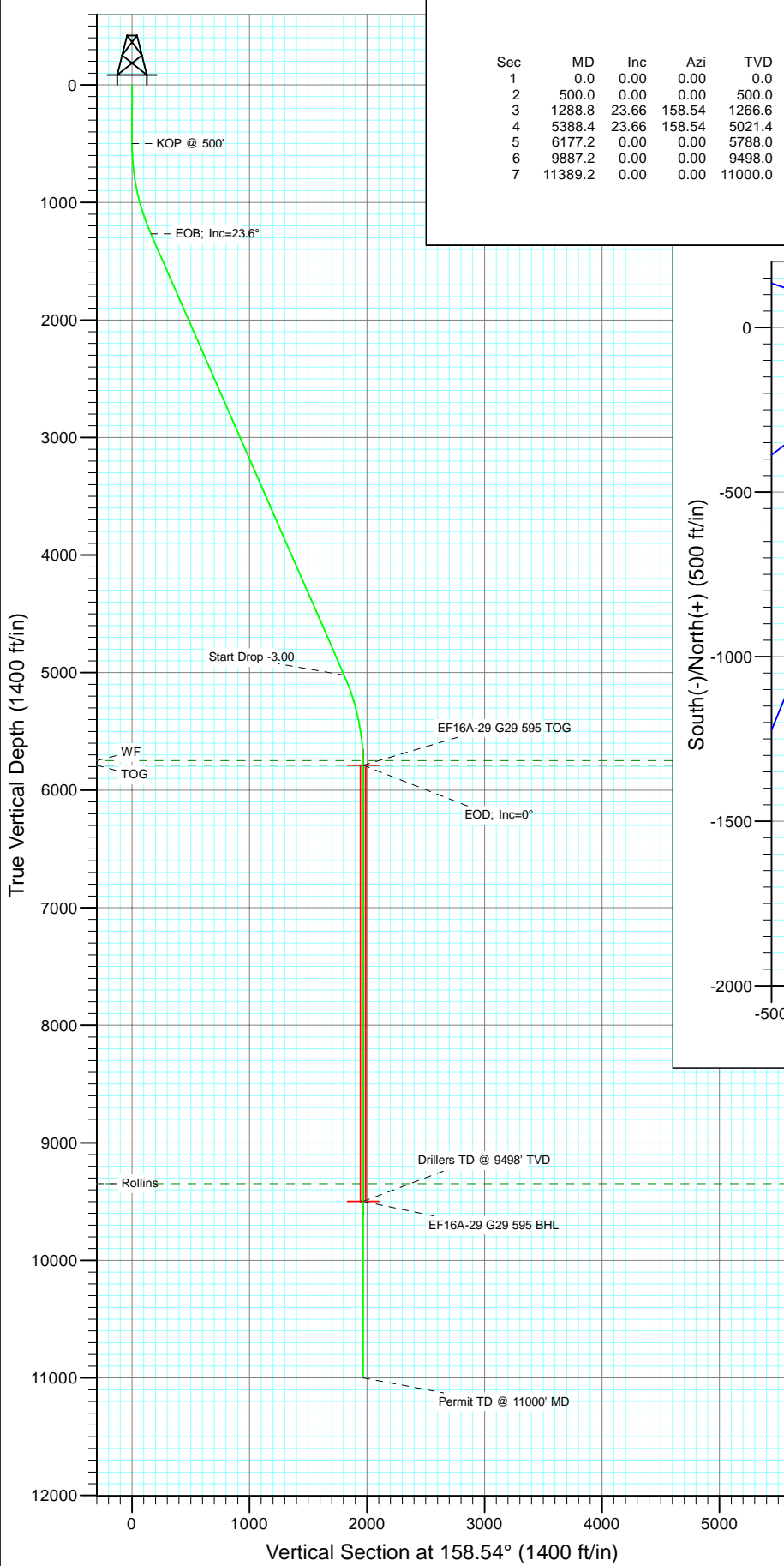
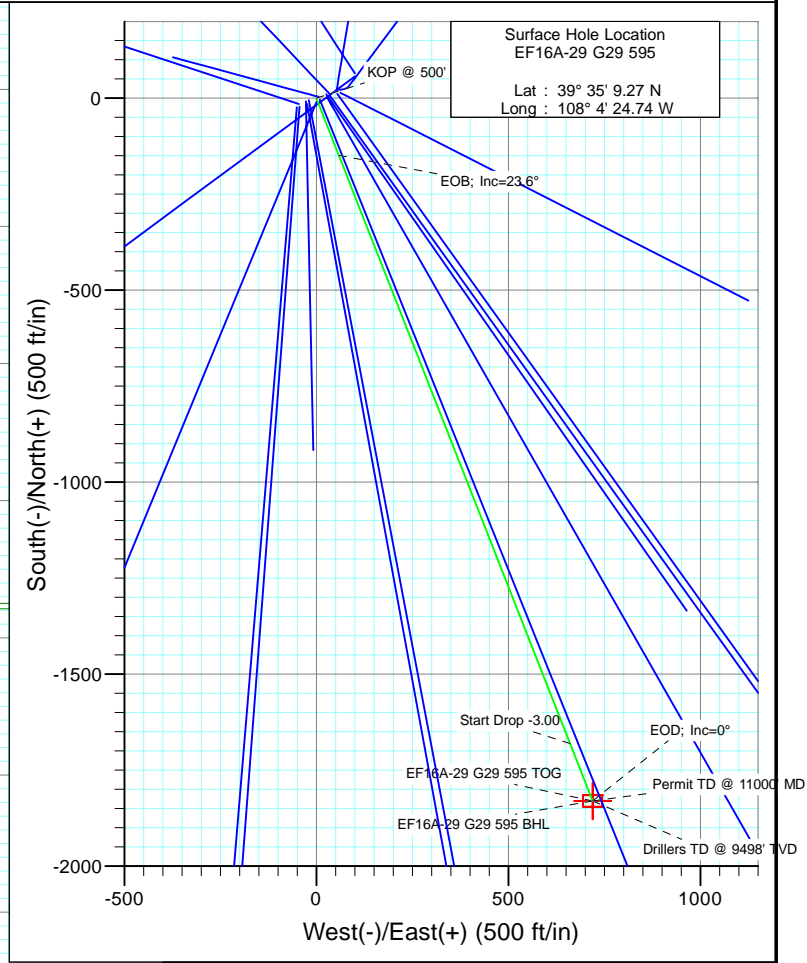




Project: North Piceance
 Site: G29 595
 Well: EF16A-29 G29 595
 Wellbore: DD
 Design: Plan #1



| SECTION DETAILS | | | | | | | | | | |
|-----------------|---------|-------|--------|---------|---------|-------|------|--------|--------|----------------------|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | V Sect | Target |
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1288.8 | 23.66 | 158.54 | 1266.6 | -149.5 | 58.8 | 3.00 | 158.54 | 160.6 | |
| 4 | 5388.4 | 23.66 | 158.54 | 5021.4 | -1680.9 | 660.8 | 0.00 | 0.00 | 1806.1 | |
| 5 | 6177.2 | 0.00 | 0.00 | 5788.0 | -1830.3 | 719.5 | 3.00 | 180.00 | 1966.7 | EF16A-29 G29 595 TOG |
| 6 | 9887.2 | 0.00 | 0.00 | 9498.0 | -1830.3 | 719.5 | 0.00 | 0.00 | 1966.7 | EF16A-29 G29 595 BHL |
| 7 | 11389.2 | 0.00 | 0.00 | 11000.0 | -1830.3 | 719.5 | 0.00 | 0.00 | 1966.7 | |



| FORMATION TOP DETAILS | | |
|-----------------------|--------|-----------|
| TVDPath | MDPath | Formation |
| 5748.0 | 6137.2 | WF |
| 5788.0 | 6177.2 | TOG |
| 9348.0 | 9737.2 | Rollins |

Azimuths to True North
Magnetic North: 10.50°

Magnetic Field
Strength: 52417.8snT
Dip Angle: 65.84°
Date: 6/18/2010
Model: IGRF200510

| Plan #1 EF16A-29 G29 595 105XXX; BH | | | | | | |
|---|----------------------|---------|--------------|----------|-----------------|-----|
| KBE @ 6118.0ft (Original Well Elev) North American Datum 1983 Well EF16A-29 G29 595, True North | | | | | | |
| Type Target | Target | Azimuth | Origin Type | N/S | E/W From | TVD |
| | EF16A-29 G29 595 BHL | 158.54 | Slot | 0.0 | 0.0 | 0.0 |
| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | |
| EF16A-29 G29 595 BHL | 9498.0 | -1830.3 | 719.539° 34' | 51.18 N | 108° 4' 15.55 W | |

Cathedral Energy Services

Planning Report

| | |
|---|---|
| Database: EDM 5000.1 US Multi Users DB | Local Co-ordinate Reference: Site G29 595 |
| Company: EnCana Oil & Gas (USA) Inc | TVD Reference: KBE @ 6118.0ft (Original Well Elev) |
| Project: North Piceance | MD Reference: KBE @ 6118.0ft (Original Well Elev) |
| Site: G29 595 | North Reference: True |
| Well: EF16A-29 G29 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 G29 595 | | | | | |
| Site Position: | | Northing: | 1,648,557.90 ft | Latitude: | 39° 35' 9.12 N |
| From: | Lat/Long | Easting: | 2,274,729.57 ft | Longitude: | 108° 4' 25.32 W |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13.200 in | Grid Convergence: | -1.62 ° |

| | | | | | |
|------------------------------|--------------|---------|----------------------------|-----------------|-----------------------------------|
| Well EF16A-29 G29 595 | | | | | |
| Well Position | +N/-S | 15.2 ft | Northing: | 1,648,571.77 ft | Latitude: 39° 35' 9.27 N |
| | +E/-W | 45.4 ft | Easting: | 2,274,775.39 ft | Longitude: 108° 4' 24.74 W |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: 6,003.0 ft |

| | | | | | |
|--------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| Wellbore DD | | | | | |
| Magnetics | Model Name | Sample Date | Declination | Dip Angle | Field Strength |
| | IGRF200510 | 6/18/2010 | (°) 10.50 | (°) 65.84 | (nT) 52,418 |

| | | | | | |
|--------------------------|-------------------------|--------------|----------------------|------------------|--|
| Design Plan #1 | | | | | |
| Audit Notes: | | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.0 | |
| Vertical Section: | Depth From (TVD) | +N/-S | +E/-W | Direction | |
| | (ft) | (ft) | (ft) | (°) | |
| | 0.0 | 15.2 | 45.4 | 158.54 | |

| 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 | 15.2 | 45.4 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 500.0 | 0.00 | 0.00 | 500.0 | 15.2 | 45.4 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,288.8 | 23.66 | 158.54 | 1,266.6 | -134.3 | 104.2 | 3.00 | 3.00 | 0.00 | 158.54 | |
| 5,388.4 | 23.66 | 158.54 | 5,021.4 | -1,665.7 | 706.2 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,177.2 | 0.00 | 0.00 | 5,788.0 | -1,815.2 | 764.9 | 3.00 | -3.00 | 0.00 | 180.00 | EF16A-29 G29 595 T |
| 9,887.2 | 0.00 | 0.00 | 9,498.0 | -1,815.2 | 764.9 | 0.00 | 0.00 | 0.00 | 0.00 | EF16A-29 G29 595 B |
| 11,389.2 | 0.00 | 0.00 | 11,000.0 | -1,815.2 | 764.9 | 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: | Site G29 595 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KBE @ 6118.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | KBE @ 6118.0ft (Original Well Elev) |
| Site: | G29 595 | North Reference: | True |
| Well: | EF16A-29 G29 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 | 15.2 | 45.4 | 0.0 | 0.00 | 0.00 | |
| 100.0 | 0.00 | 0.00 | 100.0 | 15.2 | 45.4 | 0.0 | 0.00 | 0.00 | |
| 200.0 | 0.00 | 0.00 | 200.0 | 15.2 | 45.4 | 0.0 | 0.00 | 0.00 | |
| 300.0 | 0.00 | 0.00 | 300.0 | 15.2 | 45.4 | 0.0 | 0.00 | 0.00 | |
| 400.0 | 0.00 | 0.00 | 400.0 | 15.2 | 45.4 | 0.0 | 0.00 | 0.00 | |
| 500.0 | 0.00 | 0.00 | 500.0 | 15.2 | 45.4 | 0.0 | 0.00 | 0.00 | KOP @ 500' |
| 600.0 | 3.00 | 158.54 | 600.0 | 12.7 | 46.4 | 2.6 | 3.00 | 3.00 | |
| 700.0 | 6.00 | 158.54 | 699.6 | 5.4 | 49.2 | 10.5 | 3.00 | 3.00 | |
| 800.0 | 9.00 | 158.54 | 798.8 | -6.7 | 54.0 | 23.5 | 3.00 | 3.00 | |
| 900.0 | 12.00 | 158.54 | 897.1 | -23.7 | 60.7 | 41.7 | 3.00 | 3.00 | |
| 1,000.0 | 15.00 | 158.54 | 994.3 | -45.4 | 69.2 | 65.1 | 3.00 | 3.00 | |
| 1,100.0 | 18.00 | 158.54 | 1,090.2 | -71.8 | 79.6 | 93.5 | 3.00 | 3.00 | |
| 1,200.0 | 21.00 | 158.54 | 1,184.4 | -102.9 | 91.8 | 126.9 | 3.00 | 3.00 | |
| 1,288.8 | 23.66 | 158.54 | 1,266.6 | -134.3 | 104.2 | 160.6 | 3.00 | 3.00 | EOB; Inc=23.6° |
| 1,300.0 | 23.66 | 158.54 | 1,276.8 | -138.5 | 105.8 | 165.1 | 0.00 | 0.00 | |
| 1,400.0 | 23.66 | 158.54 | 1,368.4 | -175.8 | 120.5 | 205.2 | 0.00 | 0.00 | |
| 1,500.0 | 23.66 | 158.54 | 1,460.0 | -213.2 | 135.2 | 245.4 | 0.00 | 0.00 | |
| 1,600.0 | 23.66 | 158.54 | 1,551.6 | -250.5 | 149.9 | 285.5 | 0.00 | 0.00 | |
| 1,700.0 | 23.66 | 158.54 | 1,643.2 | -287.9 | 164.5 | 325.6 | 0.00 | 0.00 | |
| 1,800.0 | 23.66 | 158.54 | 1,734.8 | -325.2 | 179.2 | 365.8 | 0.00 | 0.00 | |
| 1,900.0 | 23.66 | 158.54 | 1,826.4 | -362.6 | 193.9 | 405.9 | 0.00 | 0.00 | |
| 2,000.0 | 23.66 | 158.54 | 1,918.0 | -400.0 | 208.6 | 446.1 | 0.00 | 0.00 | |
| 2,100.0 | 23.66 | 158.54 | 2,009.6 | -437.3 | 223.3 | 486.2 | 0.00 | 0.00 | |
| 2,200.0 | 23.66 | 158.54 | 2,101.1 | -474.7 | 238.0 | 526.3 | 0.00 | 0.00 | |
| 2,300.0 | 23.66 | 158.54 | 2,192.7 | -512.0 | 252.7 | 566.5 | 0.00 | 0.00 | |
| 2,400.0 | 23.66 | 158.54 | 2,284.3 | -549.4 | 267.3 | 606.6 | 0.00 | 0.00 | |
| 2,500.0 | 23.66 | 158.54 | 2,375.9 | -586.7 | 282.0 | 646.7 | 0.00 | 0.00 | |
| 2,600.0 | 23.66 | 158.54 | 2,467.5 | -624.1 | 296.7 | 686.9 | 0.00 | 0.00 | |
| 2,700.0 | 23.66 | 158.54 | 2,559.1 | -661.4 | 311.4 | 727.0 | 0.00 | 0.00 | |
| 2,800.0 | 23.66 | 158.54 | 2,650.7 | -698.8 | 326.1 | 767.2 | 0.00 | 0.00 | |
| 2,900.0 | 23.66 | 158.54 | 2,742.3 | -736.2 | 340.8 | 807.3 | 0.00 | 0.00 | |
| 3,000.0 | 23.66 | 158.54 | 2,833.9 | -773.5 | 355.4 | 847.4 | 0.00 | 0.00 | |
| 3,100.0 | 23.66 | 158.54 | 2,925.5 | -810.9 | 370.1 | 887.6 | 0.00 | 0.00 | |
| 3,200.0 | 23.66 | 158.54 | 3,017.1 | -848.2 | 384.8 | 927.7 | 0.00 | 0.00 | |
| 3,300.0 | 23.66 | 158.54 | 3,108.6 | -885.6 | 399.5 | 967.8 | 0.00 | 0.00 | |
| 3,400.0 | 23.66 | 158.54 | 3,200.2 | -922.9 | 414.2 | 1,008.0 | 0.00 | 0.00 | |
| 3,500.0 | 23.66 | 158.54 | 3,291.8 | -960.3 | 428.9 | 1,048.1 | 0.00 | 0.00 | |
| 3,600.0 | 23.66 | 158.54 | 3,383.4 | -997.6 | 443.6 | 1,088.3 | 0.00 | 0.00 | |
| 3,700.0 | 23.66 | 158.54 | 3,475.0 | -1,035.0 | 458.2 | 1,128.4 | 0.00 | 0.00 | |
| 3,800.0 | 23.66 | 158.54 | 3,566.6 | -1,072.4 | 472.9 | 1,168.5 | 0.00 | 0.00 | |
| 3,900.0 | 23.66 | 158.54 | 3,658.2 | -1,109.7 | 487.6 | 1,208.7 | 0.00 | 0.00 | |
| 4,000.0 | 23.66 | 158.54 | 3,749.8 | -1,147.1 | 502.3 | 1,248.8 | 0.00 | 0.00 | |
| 4,100.0 | 23.66 | 158.54 | 3,841.4 | -1,184.4 | 517.0 | 1,289.0 | 0.00 | 0.00 | |
| 4,200.0 | 23.66 | 158.54 | 3,933.0 | -1,221.8 | 531.7 | 1,329.1 | 0.00 | 0.00 | |
| 4,300.0 | 23.66 | 158.54 | 4,024.6 | -1,259.1 | 546.4 | 1,369.2 | 0.00 | 0.00 | |
| 4,400.0 | 23.66 | 158.54 | 4,116.1 | -1,296.5 | 561.0 | 1,409.4 | 0.00 | 0.00 | |
| 4,500.0 | 23.66 | 158.54 | 4,207.7 | -1,333.8 | 575.7 | 1,449.5 | 0.00 | 0.00 | |
| 4,600.0 | 23.66 | 158.54 | 4,299.3 | -1,371.2 | 590.4 | 1,489.6 | 0.00 | 0.00 | |
| 4,700.0 | 23.66 | 158.54 | 4,390.9 | -1,408.6 | 605.1 | 1,529.8 | 0.00 | 0.00 | |
| 4,800.0 | 23.66 | 158.54 | 4,482.5 | -1,445.9 | 619.8 | 1,569.9 | 0.00 | 0.00 | |
| 4,900.0 | 23.66 | 158.54 | 4,574.1 | -1,483.3 | 634.5 | 1,610.1 | 0.00 | 0.00 | |
| 5,000.0 | 23.66 | 158.54 | 4,665.7 | -1,520.6 | 649.1 | 1,650.2 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|------------------------------|-------------------------------------|-------------------------------------|
| Database: | EDM 5000.1 US Multi Users DB | Local Co-ordinate Reference: | Site G29 595 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KBE @ 6118.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | KBE @ 6118.0ft (Original Well Elev) |
| Site: | G29 595 | North Reference: | True |
| Well: | EF16A-29 G29 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 | 23.66 | 158.54 | 4,757.3 | -1,558.0 | 663.8 | 1,690.3 | 0.00 | 0.00 | |
| 5,200.0 | 23.66 | 158.54 | 4,848.9 | -1,595.3 | 678.5 | 1,730.5 | 0.00 | 0.00 | |
| 5,300.0 | 23.66 | 158.54 | 4,940.5 | -1,632.7 | 693.2 | 1,770.6 | 0.00 | 0.00 | |
| 5,388.4 | 23.66 | 158.54 | 5,021.4 | -1,665.7 | 706.2 | 1,806.1 | 0.00 | 0.00 | Start Drop -3.00 |
| 5,400.0 | 23.32 | 158.54 | 5,032.1 | -1,670.0 | 707.9 | 1,810.7 | 3.00 | -3.00 | |
| 5,500.0 | 20.32 | 158.54 | 5,124.9 | -1,704.6 | 721.5 | 1,847.9 | 3.00 | -3.00 | |
| 5,600.0 | 17.32 | 158.54 | 5,219.5 | -1,734.6 | 733.3 | 1,880.1 | 3.00 | -3.00 | |
| 5,700.0 | 14.32 | 158.54 | 5,315.7 | -1,760.0 | 743.2 | 1,907.4 | 3.00 | -3.00 | |
| 5,800.0 | 11.32 | 158.54 | 5,413.2 | -1,780.6 | 751.4 | 1,929.6 | 3.00 | -3.00 | |
| 5,900.0 | 8.32 | 158.54 | 5,511.8 | -1,796.5 | 757.6 | 1,946.6 | 3.00 | -3.00 | |
| 6,000.0 | 5.32 | 158.54 | 5,611.1 | -1,807.5 | 761.9 | 1,958.5 | 3.00 | -3.00 | |
| 6,100.0 | 2.32 | 158.54 | 5,710.8 | -1,813.7 | 764.4 | 1,965.1 | 3.00 | -3.00 | |
| 6,137.2 | 1.20 | 158.54 | 5,748.0 | -1,814.8 | 764.8 | 1,966.3 | 3.00 | -3.00 | WF |
| 6,177.2 | 0.00 | 0.00 | 5,788.0 | -1,815.2 | 764.9 | 1,966.7 | 3.00 | -3.00 | EOD; Inc=0° - TOG - EF16A-29 G29 595 TOG |
| 6,200.0 | 0.00 | 0.00 | 5,810.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 6,300.0 | 0.00 | 0.00 | 5,910.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 6,400.0 | 0.00 | 0.00 | 6,010.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 6,500.0 | 0.00 | 0.00 | 6,110.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 6,600.0 | 0.00 | 0.00 | 6,210.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 6,700.0 | 0.00 | 0.00 | 6,310.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 6,800.0 | 0.00 | 0.00 | 6,410.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 6,900.0 | 0.00 | 0.00 | 6,510.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 7,000.0 | 0.00 | 0.00 | 6,610.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 7,100.0 | 0.00 | 0.00 | 6,710.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 7,200.0 | 0.00 | 0.00 | 6,810.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 7,300.0 | 0.00 | 0.00 | 6,910.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 7,400.0 | 0.00 | 0.00 | 7,010.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 7,500.0 | 0.00 | 0.00 | 7,110.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 7,600.0 | 0.00 | 0.00 | 7,210.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 7,700.0 | 0.00 | 0.00 | 7,310.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 7,800.0 | 0.00 | 0.00 | 7,410.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 7,900.0 | 0.00 | 0.00 | 7,510.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 8,000.0 | 0.00 | 0.00 | 7,610.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 8,100.0 | 0.00 | 0.00 | 7,710.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 8,200.0 | 0.00 | 0.00 | 7,810.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 8,300.0 | 0.00 | 0.00 | 7,910.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 8,400.0 | 0.00 | 0.00 | 8,010.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 8,500.0 | 0.00 | 0.00 | 8,110.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 8,600.0 | 0.00 | 0.00 | 8,210.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 8,700.0 | 0.00 | 0.00 | 8,310.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 8,800.0 | 0.00 | 0.00 | 8,410.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 8,900.0 | 0.00 | 0.00 | 8,510.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 9,000.0 | 0.00 | 0.00 | 8,610.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 9,100.0 | 0.00 | 0.00 | 8,710.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 9,200.0 | 0.00 | 0.00 | 8,810.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 9,300.0 | 0.00 | 0.00 | 8,910.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 9,400.0 | 0.00 | 0.00 | 9,010.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 9,500.0 | 0.00 | 0.00 | 9,110.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 9,600.0 | 0.00 | 0.00 | 9,210.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 9,700.0 | 0.00 | 0.00 | 9,310.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 9,737.2 | 0.00 | 0.00 | 9,348.0 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | Rollins |
| 9,800.0 | 0.00 | 0.00 | 9,410.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | |
|---|---|
| Database: EDM 5000.1 US Multi Users DB | Local Co-ordinate Reference: Site G29 595 |
| Company: EnCana Oil & Gas (USA) Inc | TVD Reference: KBE @ 6118.0ft (Original Well Elev) |
| Project: North Piceance | MD Reference: KBE @ 6118.0ft (Original Well Elev) |
| Site: G29 595 | North Reference: True |
| Well: EF16A-29 G29 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 |
| 9,887.2 | 0.00 | 0.00 | 9,498.0 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | Drillers TD @ 9498' TVD - EF16A-29 G29 595 f |
| 9,900.0 | 0.00 | 0.00 | 9,510.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 10,000.0 | 0.00 | 0.00 | 9,610.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 10,100.0 | 0.00 | 0.00 | 9,710.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 10,200.0 | 0.00 | 0.00 | 9,810.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 10,300.0 | 0.00 | 0.00 | 9,910.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 10,400.0 | 0.00 | 0.00 | 10,010.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 10,500.0 | 0.00 | 0.00 | 10,110.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 10,600.0 | 0.00 | 0.00 | 10,210.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 10,700.0 | 0.00 | 0.00 | 10,310.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 10,800.0 | 0.00 | 0.00 | 10,410.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 10,900.0 | 0.00 | 0.00 | 10,510.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 11,000.0 | 0.00 | 0.00 | 10,610.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 11,100.0 | 0.00 | 0.00 | 10,710.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 11,200.0 | 0.00 | 0.00 | 10,810.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 11,300.0 | 0.00 | 0.00 | 10,910.8 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | |
| 11,389.2 | 0.00 | 0.00 | 11,000.0 | -1,815.2 | 764.9 | 1,966.7 | 0.00 | 0.00 | Permit TD @ 11000' MD |

| Targets | | | | | | | | | |
|--|---------------|--------------|----------|------------|------------|---------------|--------------|-----------------|-----------------|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
| EF16A-29 G29 595 BHL - hit/miss target - Shape - Rectangle (sides W30.0 H50.0 D0.0) | 0.00 | 0.00 | 9,498.0 | -1,815.2 | 764.9 | 1,646,721.79 | 2,275,442.79 | 39° 34' 51.18 N | 108° 4' 15.55 W |
| EF16A-29 G29 595 TOC - plan hits target center - Point | 0.00 | 0.00 | 5,788.0 | -1,815.2 | 764.9 | 1,646,721.79 | 2,275,442.79 | 39° 34' 51.18 N | 108° 4' 15.55 W |

| Formations | | | | | |
|---------------------|---------------------|---------|-----------|---------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
| 6,137.2 | 5,748.0 | WF | | 0.00 | |
| 6,177.2 | 5,788.0 | TOG | | 0.00 | |
| 9,737.2 | 9,348.0 | Rollins | | 0.00 | |

| Plan Annotations | | | | |
|---------------------|---------------------|------------|------------|-------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Comment |
| 500.0 | 500.0 | 15.2 | 45.4 | KOP @ 500' |
| 1,288.8 | 1,266.6 | -134.3 | 104.2 | EOB; Inc=23.6° |
| 5,388.4 | 5,021.4 | -1,665.7 | 706.2 | Start Drop -3.00 |
| 6,177.2 | 5,788.0 | -1,815.2 | 764.9 | EOD; Inc=0° |
| 9,887.2 | 9,498.0 | -1,815.2 | 764.9 | Drillers TD @ 9498' TVD |
| 11,389.2 | 11,000.0 | -1,815.2 | 764.9 | Permit TD @ 11000' MD |