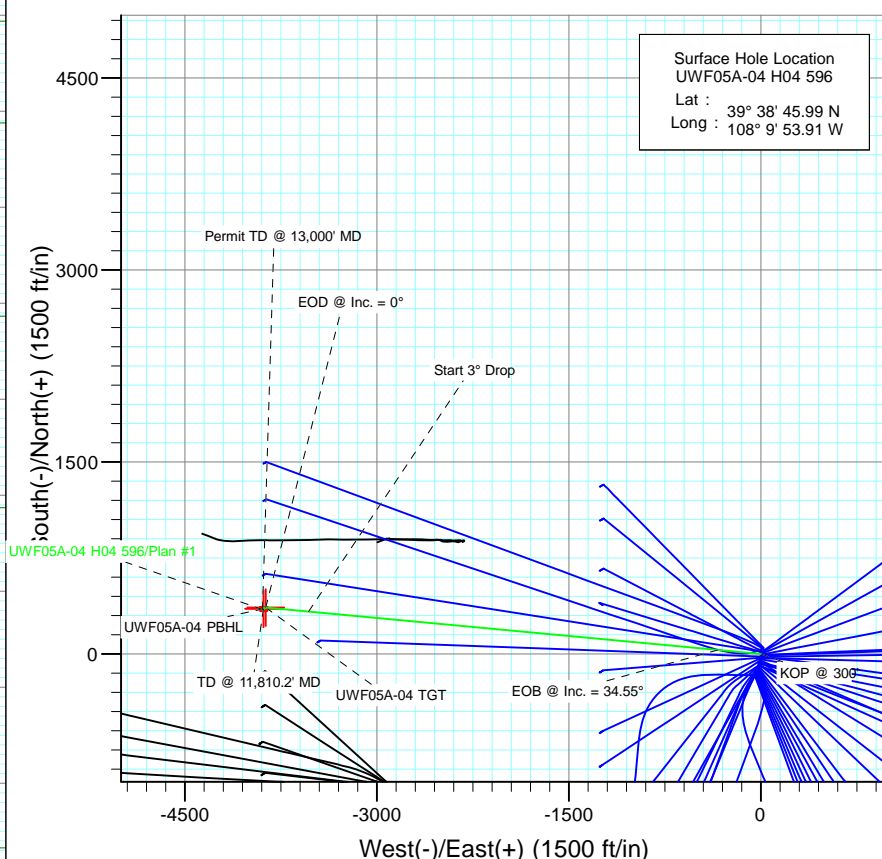


SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSecl | 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 | 1451.7 | 34.55 | 275.35 | 1383.2 | 31.4 | -335.4 | 3.00 | 275.35 | 336.9 | |
| 4 | 7115.4 | 34.55 | 275.35 | 6047.8 | 331.0 | -3533.6 | 0.00 | 0.00 | 3549.0 | |
| 5 | 8267.1 | 0.00 | 0.00 | 7131.0 | 362.4 | -3869.0 | 3.00 | 180.00 | 3885.9 | UWF05A-04 TGT |
| 6 | 10069.5 | 0.43 | 239.61 | 8933.3 | 359.0 | -3874.8 | 0.02 | 239.61 | 3891.4 | |
| 7 | 11810.2 | 0.43 | 239.61 | 10674.0 | 352.4 | -3886.0 | 0.00 | 0.00 | 3902.0 | UWF05A-04 PBHL |
| 8 | 13000.0 | 0.43 | 239.61 | 11863.8 | 347.9 | -3893.7 | 0.00 | 0.00 | 3909.2 | |



Azimuths to True North
Magnetic North: 10.34°

Magnetic Field
Strength: 52206.1snT
Dip Angle: 65.81°
Date: 4/18/2012
Model: IGRF2010

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|---------------|
| 1074.0 | 1096.9 | A GROOVE |
| 1231.0 | 1272.5 | B GROOVE |
| 1271.0 | 1318.6 | B GROOVE BASE |
| 2063.0 | 2277.1 | GARDEN GULCH |
| 3123.0 | 3564.2 | WASATCH FM |
| 5137.0 | 6009.5 | WASATCH G |
| 7131.0 | 8267.1 | WILLIAMS FORK |
| 10674.0 | 11810.2 | ROLLINS |
| 10910.0 | 12046.2 | COZZETTE |
| 11078.0 | 12214.2 | CORCORAN |
| 11382.0 | 12518.2 | UPPER SEGO |

Plan #1
UWF05A-04 H04 596
125XXX; SC
KBE @ 8293.0ft (Original Well Elev)
North American Datum 1983
Well UWF05A-04 H04 596, True North

| Type | Target | Azimuth | Origin | N/S | E/W | From |
|----------------|----------------------|---------|--------|---------|-----------------|------------------|
| TD | No Target (Freehand) | 275.11 | Slot | 0.0 | 0.0 | TVD |
| Name | | TVD | +N/-S | +E/-W | Latitude | Longitude |
| UWF05A-04 TGT | | 7131.0 | 362.4 | -3869.0 | 39° 38' 49.57 N | 108° 10' 43.37 W |
| UWF05A-04 PBHL | | 10674.0 | 352.4 | -3886.0 | 39° 38' 49.47 N | 108° 10' 43.59 W |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|-------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well UWF05A-04 H04 596 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KBE @ 8293.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | KBE @ 8293.0ft (Original Well Elev) |
| Site: | H04 Pad | North Reference: | True |
| Well: | UWF05A-04 H04 596 | 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 | H04 Pad | | | | |
| Site Position: | | Northing: | 1,671,070.85 ft | Latitude: | 39° 38' 44.37 N |
| From: | Lat/Long | Easting: | 2,249,607.93 ft | Longitude: | 108° 9' 54.50 W |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13.200 in | Grid Convergence: | -1.68 ° |

| | | | | | | |
|----------------------|-------------------|--------|---------------------|-----------------|---------------|-----------------|
| Well | UWF05A-04 H04 596 | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,671,233.33 ft | Latitude: | 39° 38' 45.99 N |
| | +E/-W | 0.0 ft | Easting: | 2,249,658.87 ft | Longitude: | 108° 9' 53.91 W |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 8,260.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | DD | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 4/18/2012 | 10.34 | 65.81 | 52,206 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|-----|
| 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 | 275.11 | |

| 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 | |
| 1,451.7 | 34.55 | 275.35 | 1,383.2 | 31.4 | -335.4 | 3.00 | 3.00 | 0.00 | 275.35 | |
| 7,115.4 | 34.55 | 275.35 | 6,047.8 | 331.0 | -3,533.6 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,267.1 | 0.00 | 0.00 | 7,131.0 | 362.4 | -3,869.0 | 3.00 | -3.00 | 0.00 | 180.00 | UWF05A-04 TGT |
| 10,069.5 | 0.43 | 239.61 | 8,933.3 | 359.0 | -3,874.8 | 0.02 | 0.02 | -6.68 | 239.61 | |
| 11,810.2 | 0.43 | 239.61 | 10,674.0 | 352.4 | -3,886.0 | 0.00 | 0.00 | 0.00 | 0.00 | UWF05A-04 PBHL |
| 13,000.0 | 0.43 | 239.61 | 11,863.8 | 347.9 | -3,893.7 | 0.00 | 0.00 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|-------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well UWF05A-04 H04 596 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KBE @ 8293.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | KBE @ 8293.0ft (Original Well Elev) |
| Site: | H04 Pad | North Reference: | True |
| Well: | UWF05A-04 H04 596 | 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 | 275.35 | 400.0 | 0.2 | -2.6 | 2.6 | 3.00 | 3.00 | |
| 500.0 | 6.00 | 275.35 | 499.6 | 1.0 | -10.4 | 10.5 | 3.00 | 3.00 | |
| 600.0 | 9.00 | 275.35 | 598.8 | 2.2 | -23.4 | 23.5 | 3.00 | 3.00 | |
| 700.0 | 12.00 | 275.35 | 697.1 | 3.9 | -41.6 | 41.7 | 3.00 | 3.00 | |
| 800.0 | 15.00 | 275.35 | 794.3 | 6.1 | -64.8 | 65.1 | 3.00 | 3.00 | |
| 900.0 | 18.00 | 275.35 | 890.2 | 8.7 | -93.1 | 93.5 | 3.00 | 3.00 | |
| 1,000.0 | 21.00 | 275.35 | 984.4 | 11.8 | -126.3 | 126.9 | 3.00 | 3.00 | |
| 1,096.9 | 23.91 | 275.35 | 1,074.0 | 15.3 | -163.2 | 163.9 | 3.00 | 3.00 | A GROOVE |
| 1,100.0 | 24.00 | 275.35 | 1,076.8 | 15.4 | -164.4 | 165.1 | 3.00 | 3.00 | |
| 1,200.0 | 27.00 | 275.35 | 1,167.1 | 19.4 | -207.3 | 208.2 | 3.00 | 3.00 | |
| 1,272.5 | 29.17 | 275.35 | 1,231.0 | 22.6 | -241.2 | 242.3 | 3.00 | 3.00 | B GROOVE |
| 1,300.0 | 30.00 | 275.35 | 1,254.9 | 23.9 | -254.8 | 255.9 | 3.00 | 3.00 | |
| 1,318.6 | 30.56 | 275.35 | 1,271.0 | 24.7 | -264.1 | 265.3 | 3.00 | 3.00 | B GROOVE BASE |
| 1,400.0 | 33.00 | 275.35 | 1,340.2 | 28.7 | -306.8 | 308.1 | 3.00 | 3.00 | |
| 1,451.7 | 34.55 | 275.35 | 1,383.2 | 31.4 | -335.4 | 336.9 | 3.00 | 3.00 | EOB @ Inc. = 34.55° |
| 1,500.0 | 34.55 | 275.35 | 1,422.9 | 34.0 | -362.7 | 364.2 | 0.00 | 0.00 | |
| 1,600.0 | 34.55 | 275.35 | 1,505.3 | 39.3 | -419.1 | 421.0 | 0.00 | 0.00 | |
| 1,700.0 | 34.55 | 275.35 | 1,587.7 | 44.5 | -475.6 | 477.7 | 0.00 | 0.00 | |
| 1,800.0 | 34.55 | 275.35 | 1,670.0 | 49.8 | -532.1 | 534.4 | 0.00 | 0.00 | |
| 1,900.0 | 34.55 | 275.35 | 1,752.4 | 55.1 | -588.5 | 591.1 | 0.00 | 0.00 | |
| 2,000.0 | 34.55 | 275.35 | 1,834.7 | 60.4 | -645.0 | 647.8 | 0.00 | 0.00 | |
| 2,100.0 | 34.55 | 275.35 | 1,917.1 | 65.7 | -701.5 | 704.5 | 0.00 | 0.00 | |
| 2,200.0 | 34.55 | 275.35 | 1,999.5 | 71.0 | -757.9 | 761.3 | 0.00 | 0.00 | |
| 2,277.1 | 34.55 | 275.35 | 2,063.0 | 75.1 | -801.5 | 805.0 | 0.00 | 0.00 | GARDEN GULCH |
| 2,300.0 | 34.55 | 275.35 | 2,081.8 | 76.3 | -814.4 | 818.0 | 0.00 | 0.00 | |
| 2,400.0 | 34.55 | 275.35 | 2,164.2 | 81.6 | -870.9 | 874.7 | 0.00 | 0.00 | |
| 2,500.0 | 34.55 | 275.35 | 2,246.5 | 86.9 | -927.4 | 931.4 | 0.00 | 0.00 | |
| 2,600.0 | 34.55 | 275.35 | 2,328.9 | 92.2 | -983.8 | 988.1 | 0.00 | 0.00 | |
| 2,700.0 | 34.55 | 275.35 | 2,411.3 | 97.4 | -1,040.3 | 1,044.8 | 0.00 | 0.00 | |
| 2,800.0 | 34.55 | 275.35 | 2,493.6 | 102.7 | -1,096.8 | 1,101.5 | 0.00 | 0.00 | |
| 2,900.0 | 34.55 | 275.35 | 2,576.0 | 108.0 | -1,153.2 | 1,158.3 | 0.00 | 0.00 | |
| 3,000.0 | 34.55 | 275.35 | 2,658.4 | 113.3 | -1,209.7 | 1,215.0 | 0.00 | 0.00 | |
| 3,100.0 | 34.55 | 275.35 | 2,740.7 | 118.6 | -1,266.2 | 1,271.7 | 0.00 | 0.00 | |
| 3,200.0 | 34.55 | 275.35 | 2,823.1 | 123.9 | -1,322.6 | 1,328.4 | 0.00 | 0.00 | |
| 3,300.0 | 34.55 | 275.35 | 2,905.4 | 129.2 | -1,379.1 | 1,385.1 | 0.00 | 0.00 | |
| 3,400.0 | 34.55 | 275.35 | 2,987.8 | 134.5 | -1,435.6 | 1,441.8 | 0.00 | 0.00 | |
| 3,500.0 | 34.55 | 275.35 | 3,070.2 | 139.8 | -1,492.0 | 1,498.6 | 0.00 | 0.00 | |
| 3,564.2 | 34.55 | 275.35 | 3,123.0 | 143.2 | -1,528.3 | 1,534.9 | 0.00 | 0.00 | WASATCH FM |
| 3,600.0 | 34.55 | 275.35 | 3,152.5 | 145.0 | -1,548.5 | 1,555.3 | 0.00 | 0.00 | |
| 3,700.0 | 34.55 | 275.35 | 3,234.9 | 150.3 | -1,605.0 | 1,612.0 | 0.00 | 0.00 | |
| 3,800.0 | 34.55 | 275.35 | 3,317.2 | 155.6 | -1,661.4 | 1,668.7 | 0.00 | 0.00 | |
| 3,900.0 | 34.55 | 275.35 | 3,399.6 | 160.9 | -1,717.9 | 1,725.4 | 0.00 | 0.00 | |
| 4,000.0 | 34.55 | 275.35 | 3,482.0 | 166.2 | -1,774.4 | 1,782.1 | 0.00 | 0.00 | |
| 4,100.0 | 34.55 | 275.35 | 3,564.3 | 171.5 | -1,830.8 | 1,838.8 | 0.00 | 0.00 | |
| 4,200.0 | 34.55 | 275.35 | 3,646.7 | 176.8 | -1,887.3 | 1,895.6 | 0.00 | 0.00 | |
| 4,300.0 | 34.55 | 275.35 | 3,729.0 | 182.1 | -1,943.8 | 1,952.3 | 0.00 | 0.00 | |
| 4,400.0 | 34.55 | 275.35 | 3,811.4 | 187.4 | -2,000.3 | 2,009.0 | 0.00 | 0.00 | |
| 4,500.0 | 34.55 | 275.35 | 3,893.8 | 192.7 | -2,056.7 | 2,065.7 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|-------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well UWF05A-04 H04 596 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KBE @ 8293.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | KBE @ 8293.0ft (Original Well Elev) |
| Site: | H04 Pad | North Reference: | True |
| Well: | UWF05A-04 H04 596 | 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 |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------------------|
| 4,600.0 | 34.55 | 275.35 | 3,976.1 | 197.9 | -2,113.2 | 2,122.4 | 0.00 | 0.00 | |
| 4,700.0 | 34.55 | 275.35 | 4,058.5 | 203.2 | -2,169.7 | 2,179.1 | 0.00 | 0.00 | |
| 4,800.0 | 34.55 | 275.35 | 4,140.8 | 208.5 | -2,226.1 | 2,235.9 | 0.00 | 0.00 | |
| 4,900.0 | 34.55 | 275.35 | 4,223.2 | 213.8 | -2,282.6 | 2,292.6 | 0.00 | 0.00 | |
| 5,000.0 | 34.55 | 275.35 | 4,305.6 | 219.1 | -2,339.1 | 2,349.3 | 0.00 | 0.00 | |
| 5,100.0 | 34.55 | 275.35 | 4,387.9 | 224.4 | -2,395.5 | 2,406.0 | 0.00 | 0.00 | |
| 5,200.0 | 34.55 | 275.35 | 4,470.3 | 229.7 | -2,452.0 | 2,462.7 | 0.00 | 0.00 | |
| 5,300.0 | 34.55 | 275.35 | 4,552.7 | 235.0 | -2,508.5 | 2,519.4 | 0.00 | 0.00 | |
| 5,400.0 | 34.55 | 275.35 | 4,635.0 | 240.3 | -2,564.9 | 2,576.1 | 0.00 | 0.00 | |
| 5,500.0 | 34.55 | 275.35 | 4,717.4 | 245.5 | -2,621.4 | 2,632.9 | 0.00 | 0.00 | |
| 5,600.0 | 34.55 | 275.35 | 4,799.7 | 250.8 | -2,677.9 | 2,689.6 | 0.00 | 0.00 | |
| 5,700.0 | 34.55 | 275.35 | 4,882.1 | 256.1 | -2,734.3 | 2,746.3 | 0.00 | 0.00 | |
| 5,800.0 | 34.55 | 275.35 | 4,964.5 | 261.4 | -2,790.8 | 2,803.0 | 0.00 | 0.00 | |
| 5,900.0 | 34.55 | 275.35 | 5,046.8 | 266.7 | -2,847.3 | 2,859.7 | 0.00 | 0.00 | |
| 6,000.0 | 34.55 | 275.35 | 5,129.2 | 272.0 | -2,903.8 | 2,916.4 | 0.00 | 0.00 | |
| 6,009.5 | 34.55 | 275.35 | 5,137.0 | 272.5 | -2,909.1 | 2,921.8 | 0.00 | 0.00 | WASATCH G |
| 6,100.0 | 34.55 | 275.35 | 5,211.5 | 277.3 | -2,960.2 | 2,973.2 | 0.00 | 0.00 | |
| 6,200.0 | 34.55 | 275.35 | 5,293.9 | 282.6 | -3,016.7 | 3,029.9 | 0.00 | 0.00 | |
| 6,300.0 | 34.55 | 275.35 | 5,376.3 | 287.9 | -3,073.2 | 3,086.6 | 0.00 | 0.00 | |
| 6,400.0 | 34.55 | 275.35 | 5,458.6 | 293.1 | -3,129.6 | 3,143.3 | 0.00 | 0.00 | |
| 6,500.0 | 34.55 | 275.35 | 5,541.0 | 298.4 | -3,186.1 | 3,200.0 | 0.00 | 0.00 | |
| 6,600.0 | 34.55 | 275.35 | 5,623.3 | 303.7 | -3,242.6 | 3,256.7 | 0.00 | 0.00 | |
| 6,700.0 | 34.55 | 275.35 | 5,705.7 | 309.0 | -3,299.0 | 3,313.4 | 0.00 | 0.00 | |
| 6,800.0 | 34.55 | 275.35 | 5,788.1 | 314.3 | -3,355.5 | 3,370.2 | 0.00 | 0.00 | |
| 6,900.0 | 34.55 | 275.35 | 5,870.4 | 319.6 | -3,412.0 | 3,426.9 | 0.00 | 0.00 | |
| 7,000.0 | 34.55 | 275.35 | 5,952.8 | 324.9 | -3,468.4 | 3,483.6 | 0.00 | 0.00 | |
| 7,100.0 | 34.55 | 275.35 | 6,035.1 | 330.2 | -3,524.9 | 3,540.3 | 0.00 | 0.00 | |
| 7,115.4 | 34.55 | 275.35 | 6,047.8 | 331.0 | -3,533.6 | 3,549.0 | 0.00 | 0.00 | Start 3° Drop |
| 7,200.0 | 32.01 | 275.35 | 6,118.5 | 335.3 | -3,579.8 | 3,595.5 | 3.00 | -3.00 | |
| 7,300.0 | 29.01 | 275.35 | 6,204.7 | 340.1 | -3,630.4 | 3,646.2 | 3.00 | -3.00 | |
| 7,400.0 | 26.01 | 275.35 | 6,293.4 | 344.4 | -3,676.4 | 3,692.4 | 3.00 | -3.00 | |
| 7,500.0 | 23.01 | 275.35 | 6,384.3 | 348.2 | -3,717.7 | 3,733.9 | 3.00 | -3.00 | |
| 7,600.0 | 20.01 | 275.35 | 6,477.4 | 351.6 | -3,754.2 | 3,770.6 | 3.00 | -3.00 | |
| 7,700.0 | 17.01 | 275.35 | 6,572.2 | 354.6 | -3,785.8 | 3,802.3 | 3.00 | -3.00 | |
| 7,800.0 | 14.01 | 275.35 | 6,668.5 | 357.1 | -3,812.4 | 3,829.1 | 3.00 | -3.00 | |
| 7,900.0 | 11.01 | 275.35 | 6,766.1 | 359.1 | -3,834.0 | 3,850.7 | 3.00 | -3.00 | |
| 8,000.0 | 8.01 | 275.35 | 6,864.8 | 360.7 | -3,850.4 | 3,867.3 | 3.00 | -3.00 | |
| 8,100.0 | 5.01 | 275.35 | 6,964.1 | 361.7 | -3,861.7 | 3,878.6 | 3.00 | -3.00 | |
| 8,200.0 | 2.01 | 275.35 | 7,063.9 | 362.3 | -3,867.8 | 3,884.7 | 3.00 | -3.00 | |
| 8,267.1 | 0.00 | 0.00 | 7,131.0 | 362.4 | -3,869.0 | 3,885.9 | 3.00 | -3.00 | EOD @ Inc. = 0° - WILLIAMS FORK |
| 8,300.0 | 0.01 | 239.61 | 7,163.9 | 362.4 | -3,869.0 | 3,885.9 | 0.02 | 0.02 | |
| 8,400.0 | 0.03 | 239.61 | 7,263.9 | 362.4 | -3,869.0 | 3,885.9 | 0.02 | 0.02 | |
| 8,500.0 | 0.06 | 239.61 | 7,363.9 | 362.3 | -3,869.1 | 3,886.0 | 0.02 | 0.02 | |
| 8,600.0 | 0.08 | 239.61 | 7,463.9 | 362.3 | -3,869.2 | 3,886.1 | 0.02 | 0.02 | |
| 8,700.0 | 0.10 | 239.61 | 7,563.9 | 362.2 | -3,869.3 | 3,886.2 | 0.02 | 0.02 | |
| 8,800.0 | 0.13 | 239.61 | 7,663.9 | 362.1 | -3,869.5 | 3,886.4 | 0.02 | 0.02 | |
| 8,900.0 | 0.15 | 239.61 | 7,763.9 | 362.0 | -3,869.7 | 3,886.6 | 0.02 | 0.02 | |
| 9,000.0 | 0.17 | 239.61 | 7,863.9 | 361.8 | -3,870.0 | 3,886.8 | 0.02 | 0.02 | |
| 9,100.0 | 0.20 | 239.61 | 7,963.9 | 361.7 | -3,870.2 | 3,887.1 | 0.02 | 0.02 | |
| 9,200.0 | 0.22 | 239.61 | 8,063.9 | 361.5 | -3,870.6 | 3,887.4 | 0.02 | 0.02 | |
| 9,300.0 | 0.25 | 239.61 | 8,163.9 | 361.3 | -3,870.9 | 3,887.7 | 0.02 | 0.02 | |
| 9,400.0 | 0.27 | 239.61 | 8,263.9 | 361.1 | -3,871.3 | 3,888.1 | 0.02 | 0.02 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|-------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well UWF05A-04 H04 596 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KBE @ 8293.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | KBE @ 8293.0ft (Original Well Elev) |
| Site: | H04 Pad | North Reference: | True |
| Well: | UWF05A-04 H04 596 | 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 |
| 9,500.0 | 0.29 | 239.61 | 8,363.9 | 360.8 | -3,871.7 | 3,888.5 | 0.02 | 0.02 | |
| 9,600.0 | 0.32 | 239.61 | 8,463.9 | 360.5 | -3,872.2 | 3,888.9 | 0.02 | 0.02 | |
| 9,700.0 | 0.34 | 239.61 | 8,563.9 | 360.3 | -3,872.7 | 3,889.4 | 0.02 | 0.02 | |
| 9,800.0 | 0.36 | 239.61 | 8,663.9 | 359.9 | -3,873.2 | 3,889.9 | 0.02 | 0.02 | |
| 9,900.0 | 0.39 | 239.61 | 8,763.9 | 359.6 | -3,873.8 | 3,890.4 | 0.02 | 0.02 | |
| 10,000.0 | 0.41 | 239.61 | 8,863.9 | 359.3 | -3,874.4 | 3,891.0 | 0.02 | 0.02 | |
| 10,069.5 | 0.43 | 239.61 | 8,933.3 | 359.0 | -3,874.8 | 3,891.4 | 0.02 | 0.02 | |
| 10,100.0 | 0.43 | 239.61 | 8,963.9 | 358.9 | -3,875.0 | 3,891.6 | 0.00 | 0.00 | |
| 10,200.0 | 0.43 | 239.61 | 9,063.9 | 358.5 | -3,875.6 | 3,892.2 | 0.00 | 0.00 | |
| 10,300.0 | 0.43 | 239.61 | 9,163.9 | 358.1 | -3,876.3 | 3,892.8 | 0.00 | 0.00 | |
| 10,400.0 | 0.43 | 239.61 | 9,263.9 | 357.8 | -3,876.9 | 3,893.4 | 0.00 | 0.00 | |
| 10,500.0 | 0.43 | 239.61 | 9,363.9 | 357.4 | -3,877.6 | 3,894.0 | 0.00 | 0.00 | |
| 10,600.0 | 0.43 | 239.61 | 9,463.9 | 357.0 | -3,878.2 | 3,894.6 | 0.00 | 0.00 | |
| 10,700.0 | 0.43 | 239.61 | 9,563.9 | 356.6 | -3,878.9 | 3,895.2 | 0.00 | 0.00 | |
| 10,800.0 | 0.43 | 239.61 | 9,663.8 | 356.2 | -3,879.5 | 3,895.8 | 0.00 | 0.00 | |
| 10,900.0 | 0.43 | 239.61 | 9,763.8 | 355.9 | -3,880.2 | 3,896.4 | 0.00 | 0.00 | |
| 11,000.0 | 0.43 | 239.61 | 9,863.8 | 355.5 | -3,880.8 | 3,897.0 | 0.00 | 0.00 | |
| 11,100.0 | 0.43 | 239.61 | 9,963.8 | 355.1 | -3,881.4 | 3,897.6 | 0.00 | 0.00 | |
| 11,200.0 | 0.43 | 239.61 | 10,063.8 | 354.7 | -3,882.1 | 3,898.3 | 0.00 | 0.00 | |
| 11,300.0 | 0.43 | 239.61 | 10,163.8 | 354.4 | -3,882.7 | 3,898.9 | 0.00 | 0.00 | |
| 11,400.0 | 0.43 | 239.61 | 10,263.8 | 354.0 | -3,883.4 | 3,899.5 | 0.00 | 0.00 | |
| 11,500.0 | 0.43 | 239.61 | 10,363.8 | 353.6 | -3,884.0 | 3,900.1 | 0.00 | 0.00 | |
| 11,600.0 | 0.43 | 239.61 | 10,463.8 | 353.2 | -3,884.7 | 3,900.7 | 0.00 | 0.00 | |
| 11,700.0 | 0.43 | 239.61 | 10,563.8 | 352.8 | -3,885.3 | 3,901.3 | 0.00 | 0.00 | |
| 11,800.0 | 0.43 | 239.61 | 10,663.8 | 352.5 | -3,885.9 | 3,901.9 | 0.00 | 0.00 | |
| 11,810.2 | 0.43 | 239.61 | 10,674.0 | 352.4 | -3,886.0 | 3,902.0 | 0.00 | 0.00 | TD @ 11,810.2' MD - ROLLINS |
| 11,900.0 | 0.43 | 239.61 | 10,763.8 | 352.1 | -3,886.6 | 3,902.5 | 0.00 | 0.00 | |
| 12,000.0 | 0.43 | 239.61 | 10,863.8 | 351.7 | -3,887.2 | 3,903.1 | 0.00 | 0.00 | |
| 12,046.2 | 0.43 | 239.61 | 10,910.0 | 351.5 | -3,887.5 | 3,903.4 | 0.00 | 0.00 | COZZETTE |
| 12,100.0 | 0.43 | 239.61 | 10,963.8 | 351.3 | -3,887.9 | 3,903.7 | 0.00 | 0.00 | |
| 12,200.0 | 0.43 | 239.61 | 11,063.8 | 351.0 | -3,888.5 | 3,904.3 | 0.00 | 0.00 | |
| 12,214.2 | 0.43 | 239.61 | 11,078.0 | 350.9 | -3,888.6 | 3,904.4 | 0.00 | 0.00 | CORCORAN |
| 12,300.0 | 0.43 | 239.61 | 11,163.8 | 350.6 | -3,889.2 | 3,904.9 | 0.00 | 0.00 | |
| 12,400.0 | 0.43 | 239.61 | 11,263.8 | 350.2 | -3,889.8 | 3,905.5 | 0.00 | 0.00 | |
| 12,500.0 | 0.43 | 239.61 | 11,363.8 | 349.8 | -3,890.5 | 3,906.2 | 0.00 | 0.00 | |
| 12,518.2 | 0.43 | 239.61 | 11,382.0 | 349.7 | -3,890.6 | 3,906.3 | 0.00 | 0.00 | UPPER SEGO |
| 12,600.0 | 0.43 | 239.61 | 11,463.8 | 349.4 | -3,891.1 | 3,906.8 | 0.00 | 0.00 | |
| 12,700.0 | 0.43 | 239.61 | 11,563.8 | 349.1 | -3,891.7 | 3,907.4 | 0.00 | 0.00 | |
| 12,800.0 | 0.43 | 239.61 | 11,663.8 | 348.7 | -3,892.4 | 3,908.0 | 0.00 | 0.00 | |
| 12,900.0 | 0.43 | 239.61 | 11,763.8 | 348.3 | -3,893.0 | 3,908.6 | 0.00 | 0.00 | |
| 13,000.0 | 0.43 | 239.61 | 11,863.8 | 347.9 | -3,893.7 | 3,909.2 | 0.00 | 0.00 | Permit TD @ 13,000' MD |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|-------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well UWF05A-04 H04 596 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KBE @ 8293.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | KBE @ 8293.0ft (Original Well Elev) |
| Site: | H04 Pad | North Reference: | True |
| Well: | UWF05A-04 H04 596 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | DD | | |
| Design: | Plan #1 | | |

| Targets | | | | | | | | | |
|--------------------------------------|-----------|----------|----------|-------|----------|--------------|--------------|-----------------|------------------|
| Target Name | | | | | | | | | |
| - hit/miss target | Dip Angle | Dip Dir. | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| - Shape | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (ft) | | |
| UWF05A-04 TGT | 0.00 | 0.00 | 7,131.0 | 362.4 | -3,869.0 | 1,671,709.06 | 2,245,802.16 | 39° 38' 49.57 N | 108° 10' 43.37 W |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| UWF05A-04 PBHL | 0.00 | 0.00 | 10,674.0 | 352.4 | -3,886.0 | 1,671,699.58 | 2,245,784.86 | 39° 38' 49.47 N | 108° 10' 43.59 W |
| - plan hits target center | | | | | | | | | |
| - Rectangle (sides W30.0 H50.0 D0.0) | | | | | | | | | |

| Formations | | | | | | |
|----------------|----------------|---------------|-----------|-----|---------------|--|
| Measured Depth | Vertical Depth | Name | Lithology | Dip | Dip Direction | |
| (ft) | (ft) | | | (°) | (°) | |
| 1,096.9 | 1,074.0 | A GROOVE | | | | |
| 1,272.5 | 1,231.0 | B GROOVE | | | | |
| 1,318.6 | 1,271.0 | B GROOVE BASE | | | | |
| 2,277.1 | 2,063.0 | GARDEN GULCH | | | | |
| 3,564.2 | 3,123.0 | WASATCH FM | | | | |
| 6,009.5 | 5,137.0 | WASATCH G | | | | |
| 8,267.1 | 7,131.0 | WILLIAMS FORK | | | | |
| 11,810.2 | 10,674.0 | ROLLINS | | | | |
| 12,046.2 | 10,910.0 | COZZETTE | | | | |
| 12,214.2 | 11,078.0 | CORCORAN | | | | |
| 12,518.2 | 11,382.0 | UPPER SEGO | | | | |

| Plan Annotations | | | | |
|------------------|----------------|-------------------|------------|------------------------|
| Measured Depth | Vertical Depth | Local Coordinates | | Comment |
| (ft) | (ft) | +N/-S (ft) | +E/-W (ft) | |
| 300.0 | 300.0 | 0.0 | 0.0 | KOP @ 300' |
| 1,451.7 | 1,383.2 | 31.4 | -335.4 | EOB @ Inc. = 34.55° |
| 7,115.4 | 6,047.8 | 331.0 | -3,533.6 | Start 3° Drop |
| 8,267.1 | 7,131.0 | 362.4 | -3,869.0 | EOD @ Inc. = 0° |
| 11,810.2 | 10,674.0 | 352.4 | -3,886.0 | TD @ 11,810.2' MD |
| 13,000.0 | 11,863.8 | 347.9 | -3,893.7 | Permit TD @ 13,000' MD |