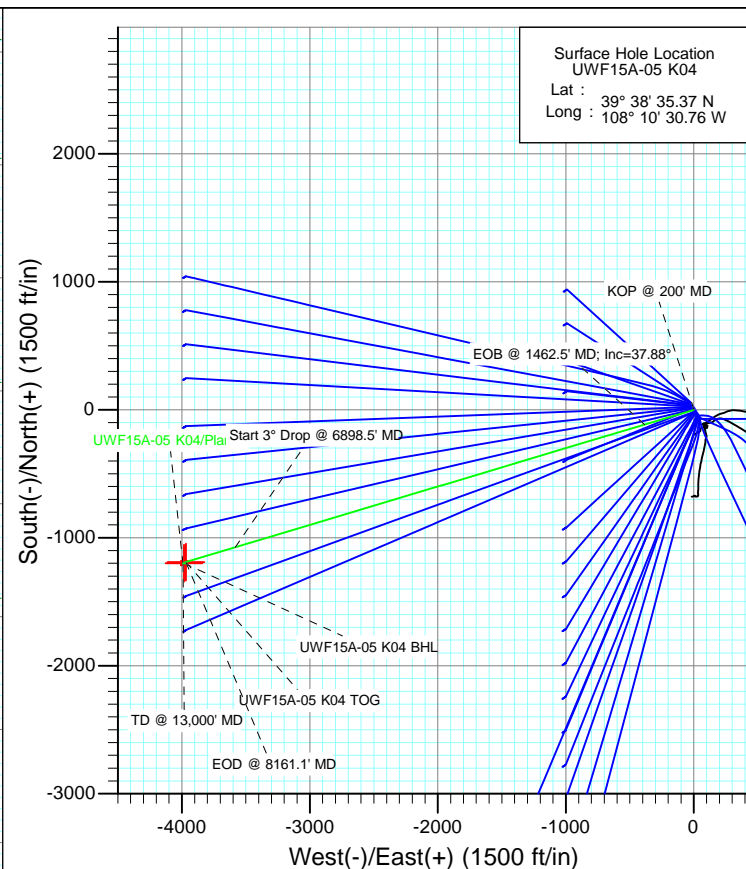


SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | Vsect | Target |
|-----|---------|-------|--------|---------|---------|---------|------|--------|--------|-------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1462.5 | 37.88 | 253.31 | 1372.6 | -115.6 | -385.4 | 3.00 | 253.31 | 402.3 | |
| 4 | 6898.5 | 37.88 | 253.31 | 5663.4 | -1074.1 | -3582.2 | 0.00 | 0.00 | 3739.8 | |
| 5 | 8161.1 | 0.00 | 0.00 | 6836.0 | -1189.7 | -3967.6 | 3.00 | 180.00 | 4142.1 | UWF15A-05 K04 TOG |
| 6 | 9898.8 | 0.39 | 236.37 | 8573.7 | -1193.0 | -3972.6 | 0.02 | 236.37 | 4147.8 | |
| 7 | 11654.1 | 0.39 | 236.37 | 10329.0 | -1199.7 | -3982.6 | 0.00 | 0.00 | 4159.4 | UWF15A-05 K04 BHL |
| 8 | 13000.0 | 0.39 | 236.37 | 11674.8 | -1204.8 | -3990.3 | 0.00 | 0.00 | 4168.3 | |



Azimuths to True North
Magnetic North: 10.34°

Magnetic Field
Strength: 52205.4snT
Dip Angle: 65.80°
Date: 4/12/2012
Model: IGRF2010

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|-------------------|
| 948.0 | 968.6 | A_GROOVE_TVD |
| 1102.0 | 1139.4 | B_GROOVE_TVD |
| 1142.0 | 1185.1 | B_GROOVE_BASE_TVD |
| 1890.0 | 2118.1 | GARDEN_GULCH_TVD |
| 2942.0 | 3450.8 | WASATCH_FM_TVD |
| 4926.0 | 5964.3 | WASATCH_G_TVD |
| 6836.0 | 8161.1 | WILLIAMS_FORK_TVD |
| 10329.0 | 11654.1 | ROLLINS_TVD |
| 10573.0 | 11898.1 | COZZETTE_TVD |
| 10748.0 | 12073.1 | CORCORAN_TVD |
| 11041.0 | 12366.2 | UPPER_SEGO_TVD |

Plan #1
UWF15A-05 K04
KB @ 8226.0ft (Original Well Elev)
North American Datum 1983
Well UWF15A-05 K04, True North

| Type | Target | Azimuth | Origin | Type | N/S | E/W | From |
|-------------------|----------------------|---------|---------|-----------------|------------------|-----|------|
| TD | No Target (Freehand) | 253.20 | Slot | | 0.0 | 0.0 | TVD |
| | | | | | | | 0.0 |
| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | | |
| UWF15A-05 K04 TOG | 6836.0 | -1189.7 | -3967.6 | 39° 38' 23.61 N | 108° 11' 21.48 W | | |
| UWF15A-05 K04 BHL | 10329.0 | -1199.7 | -3982.6 | 39° 38' 23.51 N | 108° 11' 21.67 W | | |

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well UWF15A-05 K04 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KB @ 8226.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | KB @ 8226.0ft (Original Well Elev) |
| Site: | K04 Pad | North Reference: | True |
| Well: | UWF15A-05 K04 | 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 | | K04 Pad | | | |
|-----------------------|----------|--------------|-----------------|-------------------|-----------------|
| Site Position: | | Northing: | 1,636,938.27 ft | Latitude: | 39° 33' 11.18 N |
| From: | Lat/Long | Easting: | 2,263,572.45 ft | Longitude: | 108° 6' 43.51 W |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13.200 in | Grid Convergence: | -1.65 ° |

| | | | | | | |
|----------------------|---------------|--------|---------------------|-----------------|---------------|------------------|
| Well | UWF15A-05 K04 | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,670,243.94 ft | Latitude: | 39° 38' 35.37 N |
| | +E/-W | 0.0 ft | Easting: | 2,246,745.99 ft | Longitude: | 108° 10' 30.76 W |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 8,193.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| Wellbore | DD | | | | |
| Magnetics | Model Name | Sample Date | Declination | Dip Angle | Field Strength |
| | | | (°) | (°) | (nT) |
| | IGRF2010 | 4/12/2012 | 10.34 | 65.80 | 52,205 |

| | | | | | |
|--------------------------|-------------------------|--------------|--------------|----------------------|-----|
| 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 | 0.0 | 0.0 | 253.20 | |

| 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 | |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,462.5 | 37.88 | 253.31 | 1,372.6 | -115.6 | -385.4 | 3.00 | 3.00 | 0.00 | 253.31 | |
| 6,898.5 | 37.88 | 253.31 | 5,663.4 | -1,074.1 | -3,582.2 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,161.1 | 0.00 | 0.00 | 6,836.0 | -1,189.7 | -3,967.6 | 3.00 | -3.00 | 0.00 | 180.00 | UWF15A-05 K04 TOC |
| 9,898.8 | 0.39 | 236.37 | 8,573.7 | -1,193.0 | -3,972.6 | 0.02 | 0.02 | -7.11 | 236.37 | |
| 11,654.1 | 0.39 | 236.37 | 10,329.0 | -1,199.7 | -3,982.6 | 0.00 | 0.00 | 0.00 | 0.00 | UWF15A-05 K04 BHL |
| 13,000.0 | 0.39 | 236.37 | 11,674.8 | -1,204.8 | -3,990.3 | 0.00 | 0.00 | 0.00 | 0.00 | |

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well UWF15A-05 K04 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KB @ 8226.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | KB @ 8226.0ft (Original Well Elev) |
| Site: | K04 Pad | North Reference: | True |
| Well: | UWF15A-05 K04 | 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 | KOP @ 200' MD |
| 300.0 | 3.00 | 253.31 | 300.0 | -0.8 | -2.5 | 2.6 | 3.00 | 3.00 | |
| 400.0 | 6.00 | 253.31 | 399.6 | -3.0 | -10.0 | 10.5 | 3.00 | 3.00 | |
| 500.0 | 9.00 | 253.31 | 498.8 | -6.8 | -22.5 | 23.5 | 3.00 | 3.00 | |
| 600.0 | 12.00 | 253.31 | 597.1 | -12.0 | -40.0 | 41.7 | 3.00 | 3.00 | |
| 700.0 | 15.00 | 253.31 | 694.3 | -18.7 | -62.3 | 65.1 | 3.00 | 3.00 | |
| 800.0 | 18.00 | 253.31 | 790.2 | -26.8 | -89.5 | 93.5 | 3.00 | 3.00 | |
| 900.0 | 21.00 | 253.31 | 884.4 | -36.4 | -121.5 | 126.9 | 3.00 | 3.00 | |
| 968.6 | 23.06 | 253.31 | 948.0 | -43.8 | -146.1 | 152.6 | 3.00 | 3.00 | A_GROOVE_TVD |
| 1,000.0 | 24.00 | 253.31 | 976.8 | -47.4 | -158.2 | 165.1 | 3.00 | 3.00 | |
| 1,100.0 | 27.00 | 253.31 | 1,067.1 | -59.8 | -199.4 | 208.2 | 3.00 | 3.00 | |
| 1,139.4 | 28.18 | 253.31 | 1,102.0 | -65.0 | -216.9 | 226.4 | 3.00 | 3.00 | B_GROOVE_TVD |
| 1,185.1 | 29.55 | 253.31 | 1,142.0 | -71.4 | -238.0 | 248.5 | 3.00 | 3.00 | B_GROOVE_BASE_TVD |
| 1,200.0 | 30.00 | 253.31 | 1,154.9 | -73.5 | -245.1 | 255.9 | 3.00 | 3.00 | |
| 1,300.0 | 33.00 | 253.31 | 1,240.2 | -88.5 | -295.1 | 308.1 | 3.00 | 3.00 | |
| 1,400.0 | 36.00 | 253.31 | 1,322.6 | -104.8 | -349.4 | 364.8 | 3.00 | 3.00 | |
| 1,462.5 | 37.88 | 253.31 | 1,372.6 | -115.6 | -385.4 | 402.3 | 3.00 | 3.00 | EOB @ 1462.5' MD; Inc=37.88° |
| 1,500.0 | 37.88 | 253.31 | 1,402.1 | -122.2 | -407.4 | 425.3 | 0.00 | 0.00 | |
| 1,600.0 | 37.88 | 253.31 | 1,481.1 | -139.8 | -466.2 | 486.7 | 0.00 | 0.00 | |
| 1,700.0 | 37.88 | 253.31 | 1,560.0 | -157.4 | -525.0 | 548.1 | 0.00 | 0.00 | |
| 1,800.0 | 37.88 | 253.31 | 1,638.9 | -175.1 | -583.8 | 609.5 | 0.00 | 0.00 | |
| 1,900.0 | 37.88 | 253.31 | 1,717.9 | -192.7 | -642.6 | 670.9 | 0.00 | 0.00 | |
| 2,000.0 | 37.88 | 253.31 | 1,796.8 | -210.3 | -701.5 | 732.3 | 0.00 | 0.00 | |
| 2,100.0 | 37.88 | 253.31 | 1,875.7 | -228.0 | -760.3 | 793.7 | 0.00 | 0.00 | |
| 2,118.1 | 37.88 | 253.31 | 1,890.0 | -231.2 | -770.9 | 804.8 | 0.00 | 0.00 | GARDEN_GULCH_TVD |
| 2,200.0 | 37.88 | 253.31 | 1,954.7 | -245.6 | -819.1 | 855.1 | 0.00 | 0.00 | |
| 2,300.0 | 37.88 | 253.31 | 2,033.6 | -263.2 | -877.9 | 916.5 | 0.00 | 0.00 | |
| 2,400.0 | 37.88 | 253.31 | 2,112.5 | -280.9 | -936.7 | 977.9 | 0.00 | 0.00 | |
| 2,500.0 | 37.88 | 253.31 | 2,191.5 | -298.5 | -995.5 | 1,039.3 | 0.00 | 0.00 | |
| 2,600.0 | 37.88 | 253.31 | 2,270.4 | -316.1 | -1,054.3 | 1,100.7 | 0.00 | 0.00 | |
| 2,700.0 | 37.88 | 253.31 | 2,349.3 | -333.8 | -1,113.1 | 1,162.1 | 0.00 | 0.00 | |
| 2,800.0 | 37.88 | 253.31 | 2,428.3 | -351.4 | -1,171.9 | 1,223.5 | 0.00 | 0.00 | |
| 2,900.0 | 37.88 | 253.31 | 2,507.2 | -369.0 | -1,230.7 | 1,284.9 | 0.00 | 0.00 | |
| 3,000.0 | 37.88 | 253.31 | 2,586.2 | -386.7 | -1,289.5 | 1,346.3 | 0.00 | 0.00 | |
| 3,100.0 | 37.88 | 253.31 | 2,665.1 | -404.3 | -1,348.3 | 1,407.7 | 0.00 | 0.00 | |
| 3,200.0 | 37.88 | 253.31 | 2,744.0 | -421.9 | -1,407.2 | 1,469.1 | 0.00 | 0.00 | |
| 3,300.0 | 37.88 | 253.31 | 2,823.0 | -439.6 | -1,466.0 | 1,530.4 | 0.00 | 0.00 | |
| 3,400.0 | 37.88 | 253.31 | 2,901.9 | -457.2 | -1,524.8 | 1,591.8 | 0.00 | 0.00 | |
| 3,450.8 | 37.88 | 253.31 | 2,942.0 | -466.2 | -1,554.7 | 1,623.0 | 0.00 | 0.00 | WASATCH_FM_TVD |
| 3,500.0 | 37.88 | 253.31 | 2,980.8 | -474.8 | -1,583.6 | 1,653.2 | 0.00 | 0.00 | |
| 3,600.0 | 37.88 | 253.31 | 3,059.8 | -492.5 | -1,642.4 | 1,714.6 | 0.00 | 0.00 | |
| 3,700.0 | 37.88 | 253.31 | 3,138.7 | -510.1 | -1,701.2 | 1,776.0 | 0.00 | 0.00 | |
| 3,800.0 | 37.88 | 253.31 | 3,217.6 | -527.7 | -1,760.0 | 1,837.4 | 0.00 | 0.00 | |
| 3,900.0 | 37.88 | 253.31 | 3,296.6 | -545.4 | -1,818.8 | 1,898.8 | 0.00 | 0.00 | |
| 4,000.0 | 37.88 | 253.31 | 3,375.5 | -563.0 | -1,877.6 | 1,960.2 | 0.00 | 0.00 | |
| 4,100.0 | 37.88 | 253.31 | 3,454.4 | -580.6 | -1,936.4 | 2,021.6 | 0.00 | 0.00 | |
| 4,200.0 | 37.88 | 253.31 | 3,533.4 | -598.3 | -1,995.2 | 2,083.0 | 0.00 | 0.00 | |
| 4,300.0 | 37.88 | 253.31 | 3,612.3 | -615.9 | -2,054.1 | 2,144.4 | 0.00 | 0.00 | |
| 4,400.0 | 37.88 | 253.31 | 3,691.2 | -633.5 | -2,112.9 | 2,205.8 | 0.00 | 0.00 | |
| 4,500.0 | 37.88 | 253.31 | 3,770.2 | -651.2 | -2,171.7 | 2,267.2 | 0.00 | 0.00 | |

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well UWF15A-05 K04 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KB @ 8226.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | KB @ 8226.0ft (Original Well Elev) |
| Site: | K04 Pad | North Reference: | True |
| Well: | UWF15A-05 K04 | 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 | 37.88 | 253.31 | 3,849.1 | -668.8 | -2,230.5 | 2,328.6 | 0.00 | 0.00 | |
| 4,700.0 | 37.88 | 253.31 | 3,928.0 | -686.5 | -2,289.3 | 2,390.0 | 0.00 | 0.00 | |
| 4,800.0 | 37.88 | 253.31 | 4,007.0 | -704.1 | -2,348.1 | 2,451.4 | 0.00 | 0.00 | |
| 4,900.0 | 37.88 | 253.31 | 4,085.9 | -721.7 | -2,406.9 | 2,512.8 | 0.00 | 0.00 | |
| 5,000.0 | 37.88 | 253.31 | 4,164.8 | -739.4 | -2,465.7 | 2,574.2 | 0.00 | 0.00 | |
| 5,100.0 | 37.88 | 253.31 | 4,243.8 | -757.0 | -2,524.5 | 2,635.6 | 0.00 | 0.00 | |
| 5,200.0 | 37.88 | 253.31 | 4,322.7 | -774.6 | -2,583.3 | 2,697.0 | 0.00 | 0.00 | |
| 5,300.0 | 37.88 | 253.31 | 4,401.6 | -792.3 | -2,642.1 | 2,758.4 | 0.00 | 0.00 | |
| 5,400.0 | 37.88 | 253.31 | 4,480.6 | -809.9 | -2,700.9 | 2,819.8 | 0.00 | 0.00 | |
| 5,500.0 | 37.88 | 253.31 | 4,559.5 | -827.5 | -2,759.8 | 2,881.1 | 0.00 | 0.00 | |
| 5,600.0 | 37.88 | 253.31 | 4,638.4 | -845.2 | -2,818.6 | 2,942.5 | 0.00 | 0.00 | |
| 5,700.0 | 37.88 | 253.31 | 4,717.4 | -862.8 | -2,877.4 | 3,003.9 | 0.00 | 0.00 | |
| 5,800.0 | 37.88 | 253.31 | 4,796.3 | -880.4 | -2,936.2 | 3,065.3 | 0.00 | 0.00 | |
| 5,900.0 | 37.88 | 253.31 | 4,875.2 | -898.1 | -2,995.0 | 3,126.7 | 0.00 | 0.00 | |
| 5,964.3 | 37.88 | 253.31 | 4,926.0 | -909.4 | -3,032.8 | 3,166.2 | 0.00 | 0.00 | WASATCH_G_TVD |
| 6,000.0 | 37.88 | 253.31 | 4,954.2 | -915.7 | -3,053.8 | 3,188.1 | 0.00 | 0.00 | |
| 6,100.0 | 37.88 | 253.31 | 5,033.1 | -933.3 | -3,112.6 | 3,249.5 | 0.00 | 0.00 | |
| 6,200.0 | 37.88 | 253.31 | 5,112.0 | -951.0 | -3,171.4 | 3,310.9 | 0.00 | 0.00 | |
| 6,300.0 | 37.88 | 253.31 | 5,191.0 | -968.6 | -3,230.2 | 3,372.3 | 0.00 | 0.00 | |
| 6,400.0 | 37.88 | 253.31 | 5,269.9 | -986.2 | -3,289.0 | 3,433.7 | 0.00 | 0.00 | |
| 6,500.0 | 37.88 | 253.31 | 5,348.8 | -1,003.9 | -3,347.8 | 3,495.1 | 0.00 | 0.00 | |
| 6,600.0 | 37.88 | 253.31 | 5,427.8 | -1,021.5 | -3,406.7 | 3,556.5 | 0.00 | 0.00 | |
| 6,700.0 | 37.88 | 253.31 | 5,506.7 | -1,039.1 | -3,465.5 | 3,617.9 | 0.00 | 0.00 | |
| 6,800.0 | 37.88 | 253.31 | 5,585.6 | -1,056.8 | -3,524.3 | 3,679.3 | 0.00 | 0.00 | |
| 6,898.5 | 37.88 | 253.31 | 5,663.4 | -1,074.1 | -3,582.2 | 3,739.8 | 0.00 | 0.00 | Start 3° Drop @ 6898.5' MD |
| 6,900.0 | 37.83 | 253.31 | 5,664.6 | -1,074.4 | -3,583.1 | 3,740.7 | 3.00 | -3.00 | |
| 7,000.0 | 34.83 | 253.31 | 5,745.1 | -1,091.4 | -3,639.8 | 3,799.9 | 3.00 | -3.00 | |
| 7,100.0 | 31.83 | 253.31 | 5,828.7 | -1,107.2 | -3,692.4 | 3,854.9 | 3.00 | -3.00 | |
| 7,200.0 | 28.83 | 253.31 | 5,915.0 | -1,121.7 | -3,740.8 | 3,905.4 | 3.00 | -3.00 | |
| 7,300.0 | 25.83 | 253.31 | 6,003.8 | -1,134.9 | -3,784.8 | 3,951.3 | 3.00 | -3.00 | |
| 7,400.0 | 22.83 | 253.31 | 6,094.9 | -1,146.7 | -3,824.3 | 3,992.5 | 3.00 | -3.00 | |
| 7,500.0 | 19.83 | 253.31 | 6,188.0 | -1,157.2 | -3,859.1 | 4,028.8 | 3.00 | -3.00 | |
| 7,600.0 | 16.83 | 253.31 | 6,283.0 | -1,166.2 | -3,889.2 | 4,060.3 | 3.00 | -3.00 | |
| 7,700.0 | 13.83 | 253.31 | 6,379.4 | -1,173.8 | -3,914.5 | 4,086.7 | 3.00 | -3.00 | |
| 7,800.0 | 10.83 | 253.31 | 6,477.1 | -1,179.9 | -3,935.0 | 4,108.1 | 3.00 | -3.00 | |
| 7,900.0 | 7.83 | 253.31 | 6,575.7 | -1,184.6 | -3,950.5 | 4,124.3 | 3.00 | -3.00 | |
| 8,000.0 | 4.83 | 253.31 | 6,675.1 | -1,187.8 | -3,961.1 | 4,135.3 | 3.00 | -3.00 | |
| 8,100.0 | 1.83 | 253.31 | 6,774.9 | -1,189.4 | -3,966.7 | 4,141.1 | 3.00 | -3.00 | |
| 8,161.1 | 0.00 | 0.00 | 6,836.0 | -1,189.7 | -3,967.6 | 4,142.1 | 3.00 | -3.00 | EOD @ 8161.1' MD - WILLIAMS_FORK_TVD - |
| 8,200.0 | 0.01 | 236.37 | 6,874.9 | -1,189.7 | -3,967.6 | 4,142.1 | 0.02 | 0.02 | |
| 8,300.0 | 0.03 | 236.37 | 6,974.9 | -1,189.7 | -3,967.6 | 4,142.2 | 0.02 | 0.02 | |
| 8,400.0 | 0.05 | 236.37 | 7,074.9 | -1,189.8 | -3,967.7 | 4,142.2 | 0.02 | 0.02 | |
| 8,500.0 | 0.08 | 236.37 | 7,174.9 | -1,189.8 | -3,967.8 | 4,142.3 | 0.02 | 0.02 | |
| 8,600.0 | 0.10 | 236.37 | 7,274.9 | -1,189.9 | -3,967.9 | 4,142.5 | 0.02 | 0.02 | |
| 8,700.0 | 0.12 | 236.37 | 7,374.9 | -1,190.0 | -3,968.1 | 4,142.7 | 0.02 | 0.02 | |
| 8,800.0 | 0.14 | 236.37 | 7,474.9 | -1,190.1 | -3,968.3 | 4,142.9 | 0.02 | 0.02 | |
| 8,900.0 | 0.17 | 236.37 | 7,574.9 | -1,190.3 | -3,968.5 | 4,143.2 | 0.02 | 0.02 | |
| 9,000.0 | 0.19 | 236.37 | 7,674.9 | -1,190.5 | -3,968.8 | 4,143.5 | 0.02 | 0.02 | |
| 9,100.0 | 0.21 | 236.37 | 7,774.9 | -1,190.7 | -3,969.1 | 4,143.8 | 0.02 | 0.02 | |
| 9,200.0 | 0.24 | 236.37 | 7,874.9 | -1,190.9 | -3,969.4 | 4,144.2 | 0.02 | 0.02 | |
| 9,300.0 | 0.26 | 236.37 | 7,974.9 | -1,191.1 | -3,969.7 | 4,144.6 | 0.02 | 0.02 | |
| 9,400.0 | 0.28 | 236.37 | 8,074.9 | -1,191.4 | -3,970.1 | 4,145.0 | 0.02 | 0.02 | |

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well UWF15A-05 K04 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KB @ 8226.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | KB @ 8226.0ft (Original Well Elev) |
| Site: | K04 Pad | North Reference: | True |
| Well: | UWF15A-05 K04 | 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 | 0.30 | 236.37 | 8,174.9 | -1,191.7 | -3,970.6 | 4,145.5 | 0.02 | 0.02 | |
| 9,600.0 | 0.33 | 236.37 | 8,274.9 | -1,192.0 | -3,971.0 | 4,146.0 | 0.02 | 0.02 | |
| 9,700.0 | 0.35 | 236.37 | 8,374.9 | -1,192.3 | -3,971.5 | 4,146.6 | 0.02 | 0.02 | |
| 9,800.0 | 0.37 | 236.37 | 8,474.9 | -1,192.6 | -3,972.0 | 4,147.2 | 0.02 | 0.02 | |
| 9,898.8 | 0.39 | 236.37 | 8,573.7 | -1,193.0 | -3,972.6 | 4,147.8 | 0.02 | 0.02 | |
| 9,900.0 | 0.39 | 236.37 | 8,574.9 | -1,193.0 | -3,972.6 | 4,147.9 | 0.00 | 0.00 | |
| 10,000.0 | 0.39 | 236.37 | 8,674.9 | -1,193.4 | -3,973.2 | 4,148.5 | 0.00 | 0.00 | |
| 10,100.0 | 0.39 | 236.37 | 8,774.9 | -1,193.8 | -3,973.7 | 4,149.2 | 0.00 | 0.00 | |
| 10,200.0 | 0.39 | 236.37 | 8,874.9 | -1,194.2 | -3,974.3 | 4,149.8 | 0.00 | 0.00 | |
| 10,300.0 | 0.39 | 236.37 | 8,974.9 | -1,194.5 | -3,974.9 | 4,150.5 | 0.00 | 0.00 | |
| 10,400.0 | 0.39 | 236.37 | 9,074.9 | -1,194.9 | -3,975.4 | 4,151.1 | 0.00 | 0.00 | |
| 10,500.0 | 0.39 | 236.37 | 9,174.9 | -1,195.3 | -3,976.0 | 4,151.8 | 0.00 | 0.00 | |
| 10,600.0 | 0.39 | 236.37 | 9,274.9 | -1,195.7 | -3,976.6 | 4,152.5 | 0.00 | 0.00 | |
| 10,700.0 | 0.39 | 236.37 | 9,374.9 | -1,196.1 | -3,977.2 | 4,153.1 | 0.00 | 0.00 | |
| 10,800.0 | 0.39 | 236.37 | 9,474.9 | -1,196.4 | -3,977.7 | 4,153.8 | 0.00 | 0.00 | |
| 10,900.0 | 0.39 | 236.37 | 9,574.9 | -1,196.8 | -3,978.3 | 4,154.4 | 0.00 | 0.00 | |
| 11,000.0 | 0.39 | 236.37 | 9,674.9 | -1,197.2 | -3,978.9 | 4,155.1 | 0.00 | 0.00 | |
| 11,100.0 | 0.39 | 236.37 | 9,774.9 | -1,197.6 | -3,979.5 | 4,155.8 | 0.00 | 0.00 | |
| 11,200.0 | 0.39 | 236.37 | 9,874.9 | -1,198.0 | -3,980.0 | 4,156.4 | 0.00 | 0.00 | |
| 11,300.0 | 0.39 | 236.37 | 9,974.9 | -1,198.4 | -3,980.6 | 4,157.1 | 0.00 | 0.00 | |
| 11,400.0 | 0.39 | 236.37 | 10,074.9 | -1,198.7 | -3,981.2 | 4,157.7 | 0.00 | 0.00 | |
| 11,500.0 | 0.39 | 236.37 | 10,174.9 | -1,199.1 | -3,981.8 | 4,158.4 | 0.00 | 0.00 | |
| 11,600.0 | 0.39 | 236.37 | 10,274.9 | -1,199.5 | -3,982.3 | 4,159.1 | 0.00 | 0.00 | |
| 11,654.1 | 0.39 | 236.37 | 10,329.0 | -1,199.7 | -3,982.6 | 4,159.4 | 0.00 | 0.00 | ROLLINS_TVD - UWF15A-05 K04 BHL |
| 11,700.0 | 0.39 | 236.37 | 10,374.9 | -1,199.9 | -3,982.9 | 4,159.7 | 0.00 | 0.00 | |
| 11,800.0 | 0.39 | 236.37 | 10,474.9 | -1,200.3 | -3,983.5 | 4,160.4 | 0.00 | 0.00 | |
| 11,898.1 | 0.39 | 236.37 | 10,573.0 | -1,200.6 | -3,984.0 | 4,161.0 | 0.00 | 0.00 | COZZETTE_TVD |
| 11,900.0 | 0.39 | 236.37 | 10,574.9 | -1,200.6 | -3,984.0 | 4,161.0 | 0.00 | 0.00 | |
| 12,000.0 | 0.39 | 236.37 | 10,674.9 | -1,201.0 | -3,984.6 | 4,161.7 | 0.00 | 0.00 | |
| 12,073.1 | 0.39 | 236.37 | 10,748.0 | -1,201.3 | -3,985.0 | 4,162.2 | 0.00 | 0.00 | CORCORAN_TVD |
| 12,100.0 | 0.39 | 236.37 | 10,774.9 | -1,201.4 | -3,985.2 | 4,162.3 | 0.00 | 0.00 | |
| 12,200.0 | 0.39 | 236.37 | 10,874.9 | -1,201.8 | -3,985.8 | 4,163.0 | 0.00 | 0.00 | |
| 12,300.0 | 0.39 | 236.37 | 10,974.8 | -1,202.2 | -3,986.3 | 4,163.7 | 0.00 | 0.00 | |
| 12,366.2 | 0.39 | 236.37 | 11,041.0 | -1,202.4 | -3,986.7 | 4,164.1 | 0.00 | 0.00 | UPPER_SEGO_TVD |
| 12,400.0 | 0.39 | 236.37 | 11,074.8 | -1,202.5 | -3,986.9 | 4,164.3 | 0.00 | 0.00 | |
| 12,500.0 | 0.39 | 236.37 | 11,174.8 | -1,202.9 | -3,987.5 | 4,165.0 | 0.00 | 0.00 | |
| 12,600.0 | 0.39 | 236.37 | 11,274.8 | -1,203.3 | -3,988.1 | 4,165.6 | 0.00 | 0.00 | |
| 12,700.0 | 0.39 | 236.37 | 11,374.8 | -1,203.7 | -3,988.6 | 4,166.3 | 0.00 | 0.00 | |
| 12,800.0 | 0.39 | 236.37 | 11,474.8 | -1,204.1 | -3,989.2 | 4,167.0 | 0.00 | 0.00 | |
| 12,900.0 | 0.39 | 236.37 | 11,574.8 | -1,204.5 | -3,989.8 | 4,167.6 | 0.00 | 0.00 | |
| 13,000.0 | 0.39 | 236.37 | 11,674.8 | -1,204.8 | -3,990.3 | 4,168.3 | 0.00 | 0.00 | TD @ 13,000' MD |

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well UWF15A-05 K04 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | KB @ 8226.0ft (Original Well Elev) |
| Project: | North Piceance | MD Reference: | KB @ 8226.0ft (Original Well Elev) |
| Site: | K04 Pad | North Reference: | True |
| Well: | UWF15A-05 K04 | 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) | | |
| UWF15A-05 K04 BHL | 0.00 | 0.00 | 10,329.0 | -1,199.7 | -3,982.6 | 1,669,162.02 | 2,242,729.76 | 39° 38' 23.51 N | 108° 11' 21.67 W |
| - plan hits target center | | | | | | | | | |
| - Rectangle (sides W30.0 H50.0 D0.0) | | | | | | | | | |
| UWF15A-05 K04 TOG | 0.00 | 0.00 | 6,836.0 | -1,189.7 | -3,967.6 | 1,669,171.58 | 2,242,745.08 | 39° 38' 23.61 N | 108° 11' 21.48 W |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

| Formations | | | | | | |
|----------------|----------------|-------------------|-----------|-----|---------------|--|
| Measured Depth | Vertical Depth | Name | Lithology | Dip | Dip Direction | |
| (ft) | (ft) | | | (°) | (°) | |
| 968.6 | 948.0 | A_GROOVE_TVD | | | | |
| 1,139.4 | 1,102.0 | B_GROOVE_TVD | | | | |
| 1,185.1 | 1,142.0 | B_GROOVE_BASE_TVD | | | | |
| 2,118.1 | 1,890.0 | GARDEN_GULCH_TVD | | | | |
| 3,450.8 | 2,942.0 | WASATCH_FM_TVD | | | | |
| 5,964.3 | 4,926.0 | WASATCH_G_TVD | | | | |
| 8,161.1 | 6,836.0 | WILLIAMS_FORK_TVD | | | | |
| 11,654.1 | 10,329.0 | ROLLINS_TVD | | | | |
| 11,898.1 | 10,573.0 | COZZETTE_TVD | | | | |
| 12,073.1 | 10,748.0 | CORCORAN_TVD | | | | |
| 12,366.2 | 11,041.0 | UPPER_SEGO_TVD | | | | |

| Plan Annotations | | | | |
|------------------|----------------|-------------------|------------|------------------------------|
| Measured Depth | Vertical Depth | Local Coordinates | | Comment |
| (ft) | (ft) | +N/-S (ft) | +E/-W (ft) | |
| 200.0 | 200.0 | 0.0 | 0.0 | KOP @ 200' MD |
| 1,462.5 | 1,372.6 | -115.6 | -385.4 | EOB @ 1462.5' MD; Inc=37.88° |
| 6,898.5 | 5,663.4 | -1,074.1 | -3,582.2 | Start 3° Drop @ 6898.5' MD |
| 8,161.1 | 6,836.0 | -1,189.7 | -3,967.6 | EOD @ 8161.1' MD |
| 13,000.0 | 11,674.8 | -1,204.8 | -3,990.3 | TD @ 13,000' MD |