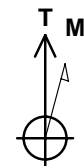
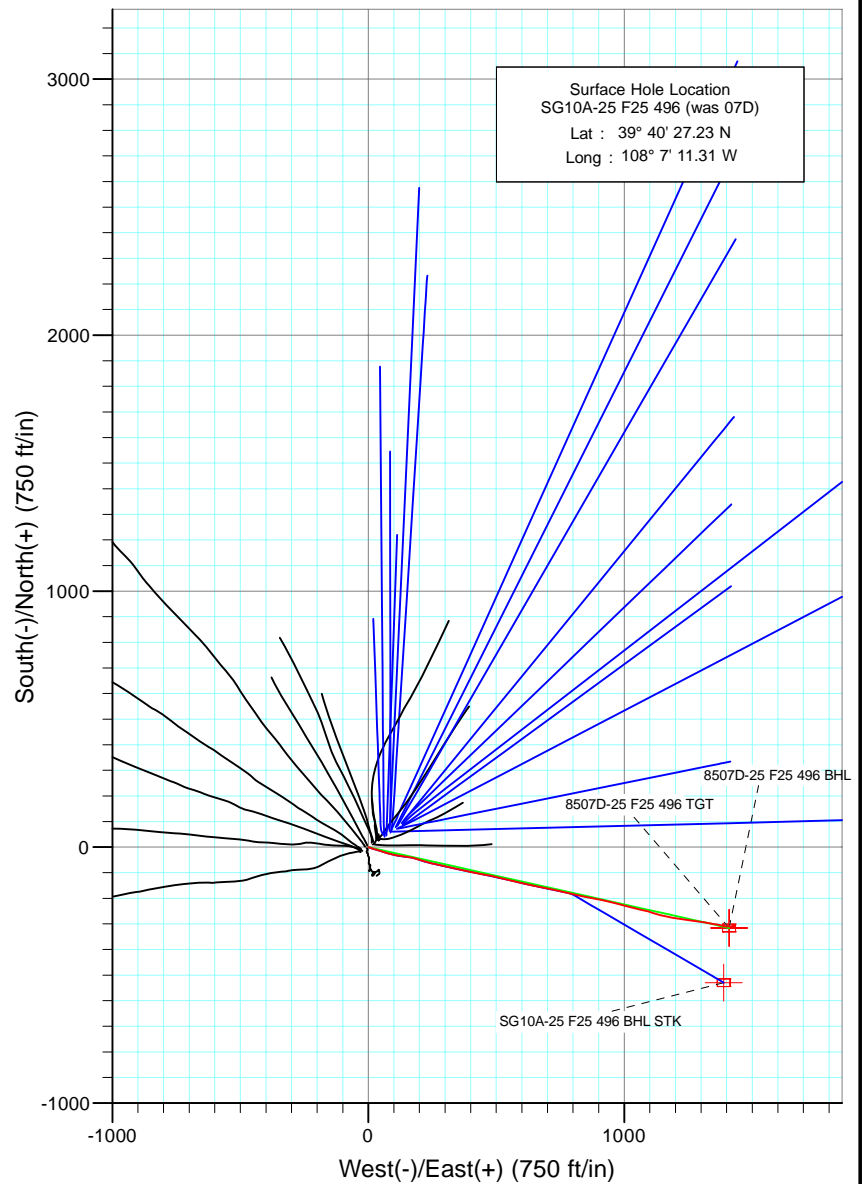
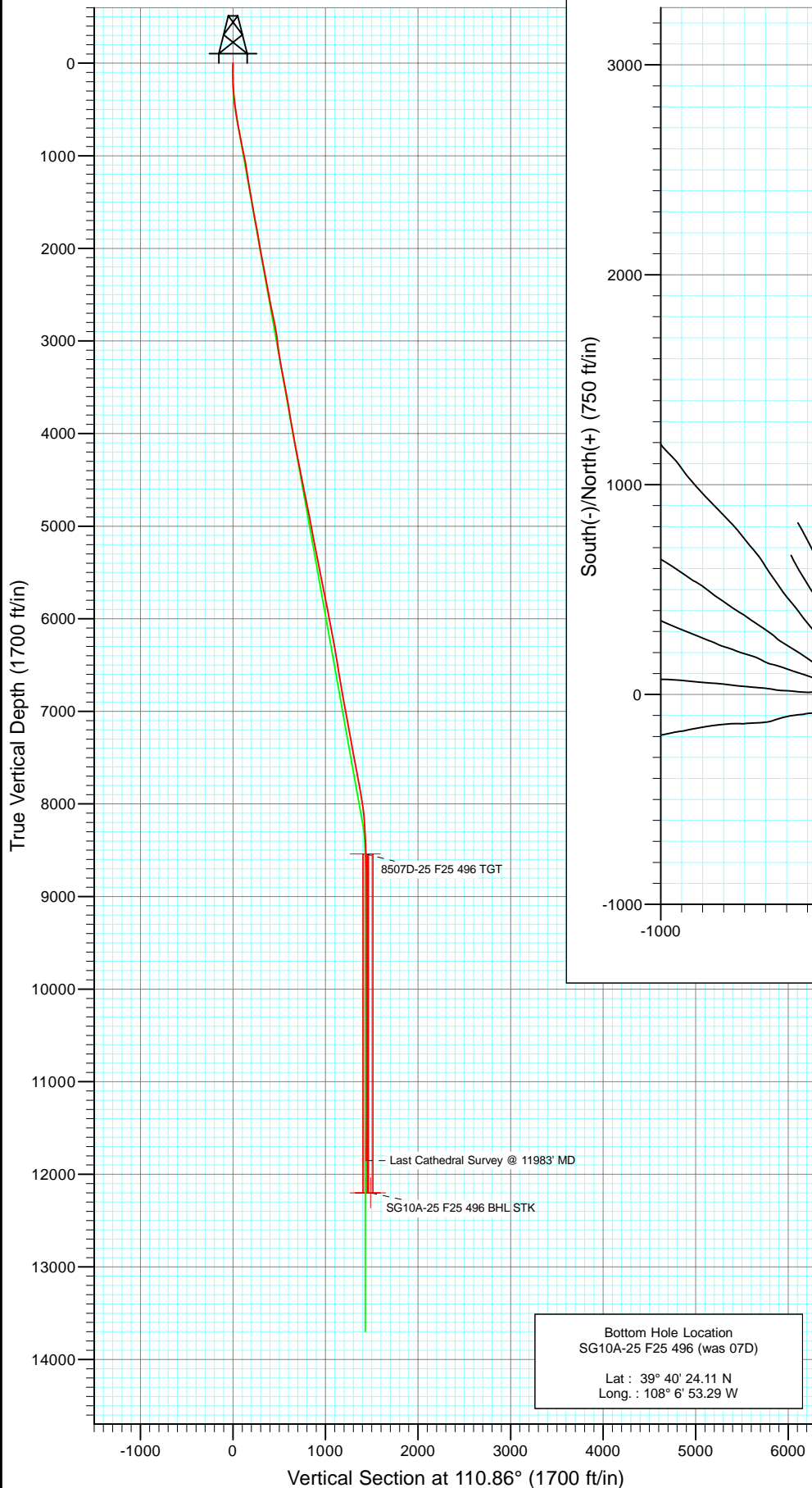




Project: Story Gulch
 Site: F25 496
 Well: SG10A-25 F25 496 (was 07D)
 Wellbore: DD
 Design: DD



Azimuths to True North
 Magnetic North: 10.53°

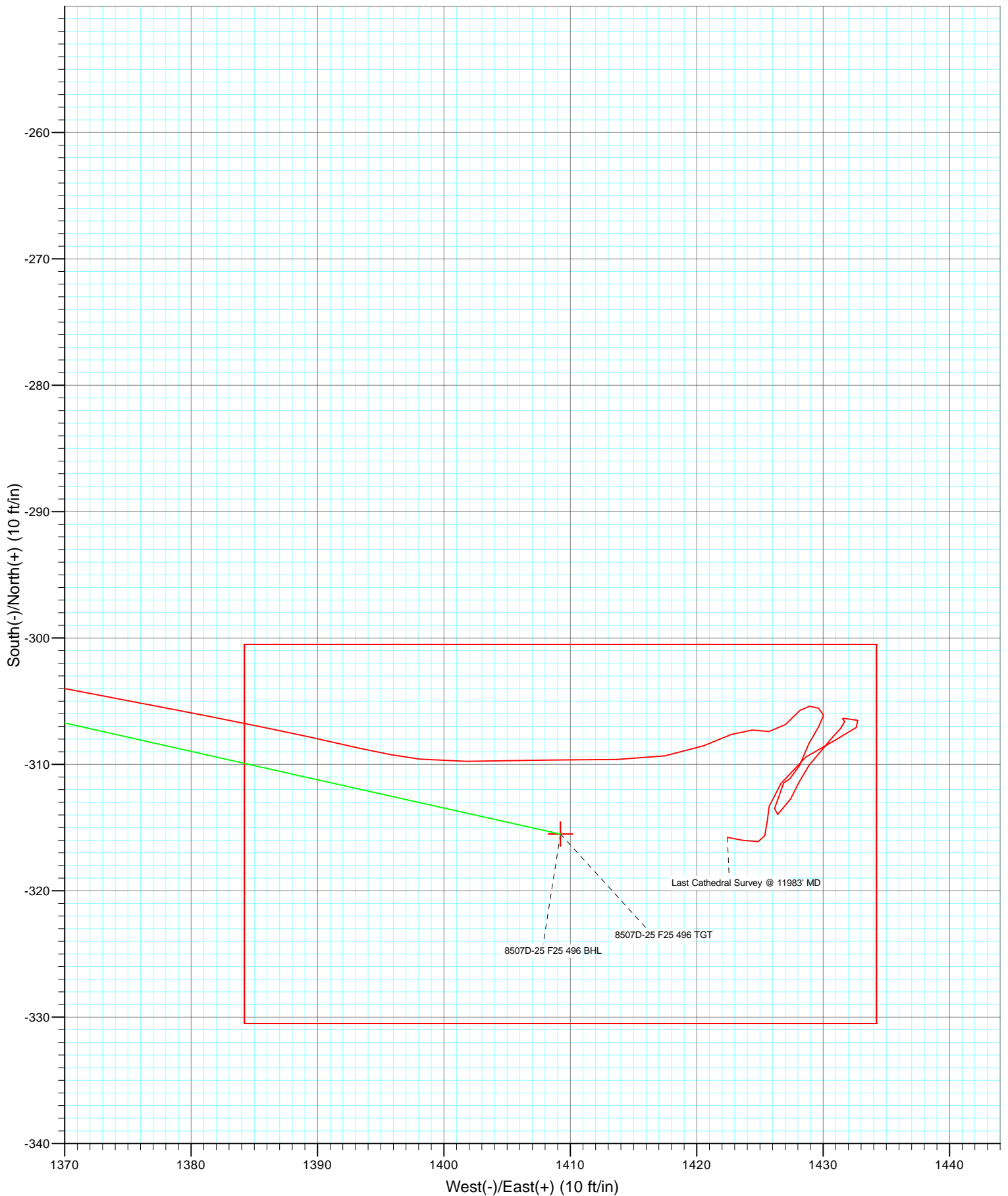
Magnetic Field
 Strength: 52436.9nT
 Dip Angle: 65.90°
 Date: 7/7/2010
 Model: IGRF200510

DESIGN DETAILS: DD
 Job #105173, 105291: KR
 KBE @ 8320.0ft (Patterson 306)

| SG10A-25 F25 496 BHL STK 110.86 | Target | Azimuth | Origin | N/S | E/W | From TVD |
|---------------------------------|--------|---------|--------|-----|-----|----------|
| | | | Slot | 0.0 | 0.0 | 0.0 |



Project: Story Gulch
Site: F25 496
Well: SG10A-25 F25 496 (was 07D)
Wellbore: DD
Design: DD



Cathedral Energy Services

Survey Report

| | | | |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well SG10A-25 F25 496 (was 07D) |
| Project: | Story Gulch | TVD Reference: | KBE @ 8320.0ft (Patterson 306) |
| Site: | F25 496 | MD Reference: | KBE @ 8320.0ft (Patterson 306) |
| Well: | SG10A-25 F25 496 (was 07D) | North Reference: | True |
| Wellbore: | DD | Survey Calculation Method: | Minimum Curvature |
| Design: | DD | Database: | EDM 5000.1 US Multi Users DB |

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

| Site | | F25 496 | | | |
|-----------------------|----------|--------------|-----------------|-------------------|-----------------|
| Site Position: | | Northing: | 1,681,091.06 ft | Latitude: | 39° 40' 27.10 N |
| From: | Lat/Long | Easting: | 2,262,632.54 ft | Longitude: | 108° 7' 11.76 W |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13.200 in | Grid Convergence: | -1.65 ° |

| | | | | | | |
|----------------------|----------------------------|--------|---------------------|-----------------|---------------|-----------------|
| Well | SG10A-25 F25 496 (was 07D) | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,681,102.83 ft | Latitude: | 39° 40' 27.23 N |
| | +E/-W | 0.0 ft | Easting: | 2,262,667.54 ft | Longitude: | 108° 7' 11.31 W |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 8,298.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | DD | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF200510 | 7/7/2010 | 10.53 | 65.90 | 52,437 |

| | | | | | |
|--------------------------|-------------------------|---------------|--------------|----------------------|-----|
| Design | DD | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) | +N/-S | +E/-W | Direction | |
| | (ft) | (ft) | (ft) | (°) | |
| | 0.0 | 0.0 | 0.0 | 110.86 | |

| | | | | | |
|-----------------------|----------------|--------------------------|------------------|--------------------|--|
| Survey Program | Date | 7/30/2010 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 217.0 | 2,960.0 | Survey #1 (DD) | MWD | Geolink MWD | |
| 3,087.0 | 11,983.0 | Survey #2 (DD) | MWD | Geolink MWD | |

| | | | | | | | | | | |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|------------------------------|--|
| Survey | | | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Formations / Comments | |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | | |
| 217.0 | 1.70 | 115.60 | 217.0 | -1.4 | 2.9 | 3.2 | 0.78 | 0.78 | | |
| 278.0 | 2.60 | 109.10 | 277.9 | -2.2 | 5.0 | 5.5 | 1.53 | 1.48 | | |
| 309.0 | 3.10 | 103.80 | 308.9 | -2.7 | 6.5 | 7.0 | 1.82 | 1.61 | | |
| 340.0 | 4.40 | 102.00 | 339.8 | -3.1 | 8.5 | 9.0 | 4.21 | 4.19 | | |
| 371.0 | 5.00 | 111.00 | 370.7 | -3.8 | 10.9 | 11.6 | 3.06 | 1.94 | | |
| 401.0 | 5.60 | 107.90 | 400.6 | -4.8 | 13.5 | 14.3 | 2.22 | 2.00 | | |
| 432.0 | 6.60 | 105.40 | 431.4 | -5.7 | 16.7 | 17.6 | 3.34 | 3.23 | | |
| 463.0 | 7.60 | 107.30 | 462.2 | -6.8 | 20.4 | 21.4 | 3.31 | 3.23 | | |
| 494.0 | 8.70 | 105.50 | 492.9 | -8.0 | 24.6 | 25.8 | 3.64 | 3.55 | | |
| 586.0 | 9.90 | 108.70 | 583.6 | -12.4 | 38.8 | 40.6 | 1.42 | 1.30 | | |
| 676.0 | 10.80 | 105.40 | 672.2 | -17.1 | 54.2 | 56.8 | 1.20 | 1.00 | | |

Cathedral Energy Services

Survey Report

| | | | |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well SG10A-25 F25 496 (was 07D) |
| Project: | Story Gulch | TVD Reference: | KBE @ 8320.0ft (Patterson 306) |
| Site: | F25 496 | MD Reference: | KBE @ 8320.0ft (Patterson 306) |
| Well: | SG10A-25 F25 496 (was 07D) | North Reference: | True |
| Wellbore: | DD | Survey Calculation Method: | Minimum Curvature |
| Design: | DD | Database: | EDM 5000.1 US Multi Users DB |

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Formations / Comments |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|----------------------------|
| 768.0 | 10.70 | 107.70 | 762.6 | -22.0 | 70.7 | 73.9 | 0.48 | -0.11 | |
| 896.0 | 10.90 | 103.00 | 888.3 | -28.4 | 93.8 | 97.7 | 0.71 | 0.16 | |
| 992.0 | 11.60 | 103.70 | 982.5 | -32.7 | 112.0 | 116.3 | 0.74 | 0.73 | |
| 1,087.0 | 10.80 | 95.20 | 1,075.7 | -35.8 | 130.1 | 134.3 | 1.93 | -0.84 | |
| 1,182.0 | 9.50 | 94.50 | 1,169.2 | -37.2 | 146.8 | 150.4 | 1.37 | -1.37 | |
| 1,277.0 | 8.70 | 99.70 | 1,263.0 | -39.0 | 161.7 | 165.0 | 1.21 | -0.84 | |
| 1,371.0 | 8.90 | 103.80 | 1,355.9 | -41.9 | 175.8 | 179.2 | 0.70 | 0.21 | |
| 1,467.0 | 9.20 | 109.80 | 1,450.7 | -46.3 | 190.2 | 194.2 | 1.03 | 0.31 | |
| 1,561.0 | 10.70 | 107.90 | 1,543.3 | -51.5 | 205.6 | 210.5 | 1.63 | 1.60 | |
| 1,656.0 | 10.60 | 107.20 | 1,636.6 | -56.8 | 222.3 | 228.0 | 0.17 | -0.11 | |
| 1,752.0 | 11.30 | 102.20 | 1,730.9 | -61.4 | 240.0 | 246.1 | 1.23 | 0.73 | |
| 1,847.0 | 10.90 | 103.20 | 1,824.1 | -65.4 | 257.8 | 264.2 | 0.47 | -0.42 | |
| 1,942.0 | 9.20 | 101.80 | 1,917.6 | -69.0 | 274.0 | 280.6 | 1.81 | -1.79 | |
| 2,037.0 | 9.10 | 101.50 | 2,011.4 | -72.1 | 288.8 | 295.5 | 0.12 | -0.11 | |
| 2,132.0 | 10.20 | 101.80 | 2,105.1 | -75.3 | 304.4 | 311.3 | 1.16 | 1.16 | |
| 2,227.0 | 12.10 | 103.60 | 2,198.3 | -79.4 | 322.3 | 329.4 | 2.03 | 2.00 | |
| 2,322.0 | 10.90 | 105.20 | 2,291.4 | -84.1 | 340.6 | 348.3 | 1.31 | -1.26 | |
| 2,418.0 | 10.00 | 104.10 | 2,385.8 | -88.5 | 357.5 | 365.6 | 0.96 | -0.94 | |
| 2,513.0 | 10.60 | 101.60 | 2,479.3 | -92.2 | 374.0 | 382.4 | 0.79 | 0.63 | |
| 2,608.0 | 11.10 | 101.50 | 2,572.6 | -95.8 | 391.6 | 400.0 | 0.53 | 0.53 | |
| 2,703.0 | 12.60 | 100.40 | 2,665.5 | -99.5 | 410.7 | 419.2 | 1.60 | 1.58 | |
| 2,798.0 | 11.80 | 100.10 | 2,758.4 | -103.1 | 430.5 | 439.0 | 0.84 | -0.84 | |
| 2,893.0 | 10.40 | 98.40 | 2,851.6 | -106.1 | 448.5 | 456.9 | 1.51 | -1.47 | |
| 2,960.0 | 9.10 | 102.30 | 2,917.6 | -108.1 | 459.7 | 468.0 | 2.18 | -1.94 | Last Cathedral svy @ 2960' |
| 3,087.0 | 6.90 | 101.60 | 3,043.4 | -111.7 | 477.0 | 485.5 | 1.73 | -1.73 | |
| 3,179.0 | 7.90 | 103.60 | 3,134.6 | -114.3 | 488.5 | 497.2 | 1.12 | 1.09 | |
| 3,271.0 | 9.50 | 103.40 | 3,225.6 | -117.6 | 502.1 | 511.0 | 1.74 | 1.74 | |
| 3,362.0 | 10.60 | 101.00 | 3,315.2 | -120.9 | 517.6 | 526.7 | 1.29 | 1.21 | |
| 3,454.0 | 11.60 | 104.40 | 3,405.4 | -124.8 | 534.8 | 544.2 | 1.30 | 1.09 | |
| 3,546.0 | 11.00 | 104.50 | 3,495.7 | -129.3 | 552.3 | 562.2 | 0.65 | -0.65 | |
| 3,637.0 | 10.30 | 103.70 | 3,585.1 | -133.4 | 568.6 | 578.9 | 0.79 | -0.77 | |
| 3,729.0 | 10.10 | 103.20 | 3,675.6 | -137.2 | 584.5 | 595.0 | 0.24 | -0.22 | |
| 3,821.0 | 9.80 | 100.30 | 3,766.3 | -140.5 | 600.0 | 610.7 | 0.63 | -0.33 | |
| 3,912.0 | 10.50 | 105.50 | 3,855.8 | -144.1 | 615.6 | 626.6 | 1.27 | 0.77 | |
| 4,004.0 | 8.80 | 102.40 | 3,946.5 | -147.8 | 630.6 | 641.9 | 1.93 | -1.85 | |
| 4,096.0 | 9.40 | 101.70 | 4,037.4 | -150.9 | 644.8 | 656.3 | 0.66 | 0.65 | |
| 4,187.0 | 10.00 | 99.80 | 4,127.1 | -153.7 | 659.9 | 671.4 | 0.75 | 0.66 | |
| 4,279.0 | 11.80 | 101.00 | 4,217.4 | -156.9 | 677.0 | 688.5 | 1.97 | 1.96 | |
| 4,371.0 | 10.60 | 102.40 | 4,307.6 | -160.5 | 694.5 | 706.1 | 1.34 | -1.30 | |
| 4,463.0 | 11.70 | 103.80 | 4,397.9 | -164.5 | 711.8 | 723.7 | 1.23 | 1.20 | |
| 4,554.0 | 12.90 | 101.50 | 4,486.8 | -168.7 | 730.7 | 742.9 | 1.42 | 1.32 | |
| 4,646.0 | 11.70 | 101.20 | 4,576.7 | -172.6 | 749.9 | 762.2 | 1.31 | -1.30 | |
| 4,738.0 | 10.50 | 101.80 | 4,667.0 | -176.1 | 767.3 | 779.7 | 1.31 | -1.30 | |
| 4,829.0 | 12.00 | 103.40 | 4,756.2 | -180.0 | 784.6 | 797.3 | 1.68 | 1.65 | |
| 4,921.0 | 11.30 | 103.70 | 4,846.3 | -184.4 | 802.7 | 815.7 | 0.76 | -0.76 | |
| 5,013.0 | 10.40 | 102.30 | 4,936.7 | -188.3 | 819.5 | 832.9 | 1.02 | -0.98 | |
| 5,104.0 | 11.00 | 102.30 | 5,026.1 | -191.9 | 836.0 | 849.6 | 0.66 | 0.66 | |
| 5,196.0 | 11.00 | 101.30 | 5,116.4 | -195.5 | 853.2 | 866.9 | 0.21 | 0.00 | |
| 5,288.0 | 11.20 | 101.80 | 5,206.7 | -199.0 | 870.6 | 884.4 | 0.24 | 0.22 | |
| 5,380.0 | 10.70 | 99.30 | 5,297.0 | -202.2 | 887.8 | 901.6 | 0.75 | -0.54 | |
| 5,471.0 | 11.70 | 102.50 | 5,386.3 | -205.6 | 905.1 | 919.0 | 1.29 | 1.10 | |
| 5,563.0 | 10.80 | 100.90 | 5,476.5 | -209.2 | 922.7 | 936.7 | 1.04 | -0.98 | |
| 5,655.0 | 11.50 | 104.00 | 5,566.8 | -213.1 | 940.0 | 954.3 | 1.00 | 0.76 | |

Cathedral Energy Services

Survey Report

| | | | |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well SG10A-25 F25 496 (was 07D) |
| Project: | Story Gulch | TVD Reference: | KBE @ 8320.0ft (Patterson 306) |
| Site: | F25 496 | MD Reference: | KBE @ 8320.0ft (Patterson 306) |
| Well: | SG10A-25 F25 496 (was 07D) | North Reference: | True |
| Wellbore: | DD | Survey Calculation Method: | Minimum Curvature |
| Design: | DD | Database: | EDM 5000.1 US Multi Users DB |

| Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Formations / Comments |
| 5,746.0 | 12.00 | 103.00 | 5,655.9 | -217.4 | 958.1 | 972.7 | 0.59 | 0.55 | |
| 5,838.0 | 10.70 | 104.90 | 5,746.1 | -221.7 | 975.6 | 990.6 | 1.47 | -1.41 | |
| 5,930.0 | 11.70 | 104.90 | 5,836.3 | -226.3 | 992.9 | 1,008.4 | 1.09 | 1.09 | |
| 6,021.0 | 11.50 | 107.80 | 5,925.5 | -231.5 | 1,010.5 | 1,026.6 | 0.68 | -0.22 | |
| 6,113.0 | 11.50 | 102.20 | 6,015.6 | -236.2 | 1,028.2 | 1,044.9 | 1.21 | 0.00 | |
| 6,205.0 | 10.00 | 104.60 | 6,106.0 | -240.2 | 1,044.8 | 1,061.9 | 1.70 | -1.63 | |
| 6,296.0 | 10.00 | 100.60 | 6,195.6 | -243.6 | 1,060.3 | 1,077.5 | 0.76 | 0.00 | |
| 6,388.0 | 11.10 | 102.60 | 6,286.1 | -247.0 | 1,076.8 | 1,094.1 | 1.26 | 1.20 | |
| 6,480.0 | 9.90 | 106.10 | 6,376.5 | -251.1 | 1,093.0 | 1,110.8 | 1.48 | -1.30 | |
| 6,571.0 | 9.10 | 105.50 | 6,466.3 | -255.2 | 1,107.4 | 1,125.7 | 0.89 | -0.88 | |
| 6,663.0 | 8.60 | 107.90 | 6,557.2 | -259.3 | 1,121.0 | 1,139.9 | 0.68 | -0.54 | |
| 6,755.0 | 9.40 | 110.20 | 6,648.1 | -264.0 | 1,134.6 | 1,154.2 | 0.95 | 0.87 | |
| 6,847.0 | 9.70 | 105.30 | 6,738.8 | -268.6 | 1,149.1 | 1,169.5 | 0.94 | 0.33 | |
| 6,938.0 | 10.40 | 101.30 | 6,828.4 | -272.3 | 1,164.6 | 1,185.2 | 1.09 | 0.77 | |
| 7,030.0 | 10.70 | 99.00 | 6,918.8 | -275.2 | 1,181.2 | 1,201.7 | 0.56 | 0.33 | |
| 7,122.0 | 10.90 | 95.30 | 7,009.2 | -277.4 | 1,198.2 | 1,218.5 | 0.78 | 0.22 | |
| 7,214.0 | 10.90 | 98.00 | 7,099.5 | -279.4 | 1,215.5 | 1,235.3 | 0.55 | 0.00 | |
| 7,305.0 | 10.60 | 100.00 | 7,188.9 | -282.0 | 1,232.3 | 1,251.9 | 0.53 | -0.33 | |
| 7,397.0 | 10.10 | 98.20 | 7,279.4 | -284.7 | 1,248.6 | 1,268.1 | 0.65 | -0.54 | |
| 7,489.0 | 10.70 | 98.20 | 7,369.9 | -287.0 | 1,265.0 | 1,284.3 | 0.65 | 0.65 | |
| 7,581.0 | 10.10 | 99.60 | 7,460.4 | -289.6 | 1,281.5 | 1,300.6 | 0.71 | -0.65 | |
| 7,672.0 | 11.60 | 97.80 | 7,549.8 | -292.2 | 1,298.4 | 1,317.3 | 1.69 | 1.65 | |
| 7,764.0 | 11.30 | 98.40 | 7,640.0 | -294.7 | 1,316.5 | 1,335.1 | 0.35 | -0.33 | |
| 7,856.0 | 10.90 | 99.70 | 7,730.2 | -297.5 | 1,334.0 | 1,352.5 | 0.51 | -0.43 | |
| 7,948.0 | 10.30 | 100.10 | 7,820.7 | -300.4 | 1,350.6 | 1,369.1 | 0.66 | -0.65 | |
| 8,039.0 | 9.80 | 100.60 | 7,910.3 | -303.3 | 1,366.2 | 1,384.7 | 0.56 | -0.55 | |
| 8,131.0 | 8.90 | 101.10 | 8,001.1 | -306.1 | 1,380.9 | 1,399.4 | 0.98 | -0.98 | |
| 8,223.0 | 6.90 | 103.00 | 8,092.2 | -308.7 | 1,393.3 | 1,411.9 | 2.19 | -2.17 | |
| 8,314.0 | 4.00 | 86.60 | 8,182.8 | -309.8 | 1,401.8 | 1,420.2 | 3.59 | -3.19 | |
| 8,406.0 | 4.20 | 91.50 | 8,274.5 | -309.7 | 1,408.4 | 1,426.3 | 0.44 | 0.22 | |
| 8,498.0 | 2.50 | 86.30 | 8,366.4 | -309.6 | 1,413.7 | 1,431.3 | 1.88 | -1.85 | |
| 8,590.0 | 2.20 | 85.00 | 8,458.3 | -309.3 | 1,417.5 | 1,434.7 | 0.33 | -0.33 | |
| 8,682.0 | 1.80 | 63.50 | 8,550.2 | -308.5 | 1,420.6 | 1,437.3 | 0.92 | -0.43 | |
| 8,773.0 | 1.20 | 74.50 | 8,641.2 | -307.6 | 1,422.7 | 1,439.0 | 0.73 | -0.66 | |
| 8,865.0 | 0.90 | 82.40 | 8,733.2 | -307.3 | 1,424.4 | 1,440.4 | 0.36 | -0.33 | |
| 8,957.0 | 0.80 | 109.30 | 8,825.2 | -307.4 | 1,425.7 | 1,441.7 | 0.44 | -0.11 | |
| 9,048.0 | 1.30 | 42.40 | 8,916.2 | -306.8 | 1,427.0 | 1,442.7 | 1.35 | 0.55 | |
| 9,140.0 | 0.70 | 52.90 | 9,008.1 | -305.7 | 1,428.2 | 1,443.4 | 0.68 | -0.65 | |
| 9,232.0 | 0.40 | 89.80 | 9,100.1 | -305.4 | 1,428.9 | 1,444.0 | 0.49 | -0.33 | |
| 9,324.0 | 0.50 | 112.00 | 9,192.1 | -305.5 | 1,429.6 | 1,444.7 | 0.22 | 0.11 | |
| 9,416.0 | 0.50 | 173.20 | 9,284.1 | -306.1 | 1,430.0 | 1,445.3 | 0.55 | 0.00 | |
| 9,507.0 | 0.80 | 220.60 | 9,375.1 | -307.0 | 1,429.7 | 1,445.3 | 0.65 | 0.33 | |
| 9,599.0 | 1.20 | 203.20 | 9,467.1 | -308.3 | 1,428.9 | 1,445.0 | 0.54 | 0.43 | |
| 9,691.0 | 1.20 | 202.70 | 9,559.1 | -310.1 | 1,428.1 | 1,444.9 | 0.01 | 0.00 | |
| 9,783.0 | 0.50 | 250.90 | 9,651.1 | -311.1 | 1,427.4 | 1,444.6 | 1.03 | -0.76 | |
| 9,874.0 | 0.30 | 209.10 | 9,742.1 | -311.5 | 1,426.9 | 1,444.3 | 0.37 | -0.22 | |
| 9,966.0 | 0.70 | 195.70 | 9,834.1 | -312.2 | 1,426.6 | 1,444.3 | 0.45 | 0.43 | |
| 10,057.0 | 1.00 | 203.50 | 9,925.1 | -313.5 | 1,426.2 | 1,444.3 | 0.35 | 0.33 | |
| 10,149.0 | 0.80 | 64.50 | 10,017.1 | -314.0 | 1,426.4 | 1,444.7 | 1.83 | -0.22 | |
| 10,241.0 | 1.30 | 25.10 | 10,109.1 | -312.7 | 1,427.4 | 1,445.2 | 0.92 | 0.54 | |
| 10,333.0 | 0.60 | 30.50 | 10,201.0 | -311.4 | 1,428.1 | 1,445.4 | 0.77 | -0.76 | |
| 10,424.0 | 1.30 | 31.40 | 10,292.0 | -310.1 | 1,428.9 | 1,445.6 | 0.77 | 0.77 | |
| 10,608.0 | 0.60 | 57.80 | 10,476.0 | -307.8 | 1,430.8 | 1,446.6 | 0.44 | -0.38 | |

Cathedral Energy Services

Survey Report

| | | | |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well SG10A-25 F25 496 (was 07D) |
| Project: | Story Gulch | TVD Reference: | KBE @ 8320.0ft (Patterson 306) |
| Site: | F25 496 | MD Reference: | KBE @ 8320.0ft (Patterson 306) |
| Well: | SG10A-25 F25 496 (was 07D) | North Reference: | True |
| Wellbore: | DD | Survey Calculation Method: | Minimum Curvature |
| Design: | DD | Database: | EDM 5000.1 US Multi Users DB |

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Formations / Comments |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------------------|
| 10,699.0 | 0.50 | 25.80 | 10,567.0 | -307.2 | 1,431.4 | 1,446.9 | 0.35 | -0.11 | |
| 10,791.0 | 0.30 | 39.60 | 10,659.0 | -306.6 | 1,431.7 | 1,447.0 | 0.24 | -0.22 | |
| 10,882.0 | 0.40 | 280.50 | 10,750.0 | -306.4 | 1,431.5 | 1,446.8 | 0.67 | 0.11 | |
| 10,974.0 | 0.60 | 95.10 | 10,842.0 | -306.4 | 1,431.7 | 1,447.0 | 1.09 | 0.22 | |
| 11,066.0 | 0.70 | 100.50 | 10,934.0 | -306.5 | 1,432.7 | 1,448.0 | 0.13 | 0.11 | |
| 11,158.0 | 1.00 | 235.10 | 11,026.0 | -307.1 | 1,432.6 | 1,448.1 | 1.71 | 0.33 | |
| 11,249.0 | 1.60 | 241.40 | 11,117.0 | -308.1 | 1,430.9 | 1,446.8 | 0.68 | 0.66 | |
| 11,341.0 | 1.60 | 238.90 | 11,208.9 | -309.4 | 1,428.6 | 1,445.2 | 0.08 | 0.00 | |
| 11,433.0 | 2.10 | 211.40 | 11,300.9 | -311.5 | 1,426.7 | 1,444.1 | 1.09 | 0.54 | |
| 11,524.0 | 0.50 | 189.10 | 11,391.8 | -313.3 | 1,425.7 | 1,443.8 | 1.81 | -1.76 | |
| 11,616.0 | 0.90 | 186.30 | 11,483.8 | -314.4 | 1,425.6 | 1,444.1 | 0.44 | 0.43 | |
| 11,708.0 | 0.60 | 193.80 | 11,575.8 | -315.6 | 1,425.4 | 1,444.4 | 0.34 | -0.33 | |
| 11,800.0 | 0.50 | 270.00 | 11,667.8 | -316.1 | 1,424.9 | 1,444.0 | 0.74 | -0.11 | |
| 11,891.0 | 1.00 | 276.30 | 11,758.8 | -316.0 | 1,423.7 | 1,442.9 | 0.56 | 0.55 | |
| 11,983.0 | 0.60 | 287.80 | 11,850.8 | -315.8 | 1,422.4 | 1,441.6 | 0.47 | -0.43 | Last Cathedral Survey @ 11983' MD |

Targets

| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|---|---------------|--------------|----------|------------|------------|---------------|--------------|-----------------|-----------------|
| 8507D-25 F25 496 TGT - actual wellpath misses target center by 13.0ft at 8671.3ft MD (8539.6 TVD, -308.7 N, 1420.2 E) - Point | 0.00 | 0.00 | 8,540.0 | -315.5 | 1,409.2 | 1,680,746.82 | 2,264,067.08 | 39° 40' 24.11 N | 108° 6' 53.29 W |
| SG10A-25 F25 496 BHL - actual wellpath misses target center by 410.6ft at 11983.0ft MD (11850.8 TVD, -315.8 N, 1422.4 E) - Rectangle (sides W30.0 H50.0 D0.0) | 0.00 | 0.00 | 12,200.0 | -529.0 | 1,388.1 | 1,680,534.02 | 2,264,039.83 | 39° 40' 22.00 N | 108° 6' 53.56 W |
| 8507D-25 F25 496 BHL - actual wellpath misses target center by 349.4ft at 11983.0ft MD (11850.8 TVD, -315.8 N, 1422.4 E) - Rectangle (sides W30.0 H50.0 D0.0) | 0.00 | 0.00 | 12,200.0 | -315.5 | 1,409.2 | 1,680,746.82 | 2,264,067.08 | 39° 40' 24.11 N | 108° 6' 53.29 W |

Design Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates +N/-S (ft) | +E/-W (ft) | Comment |
|---------------------|---------------------|---------------------------------|------------|-----------------------------------|
| 2,960.0 | 2,917.6 | -108.1 | 459.7 | Last Cathedral svy @ 2960' |
| 11,983.0 | 11,850.8 | -315.8 | 1,422.4 | Last Cathedral Survey @ 11983' MD |

Checked By: _____ Approved By: _____ Date: _____