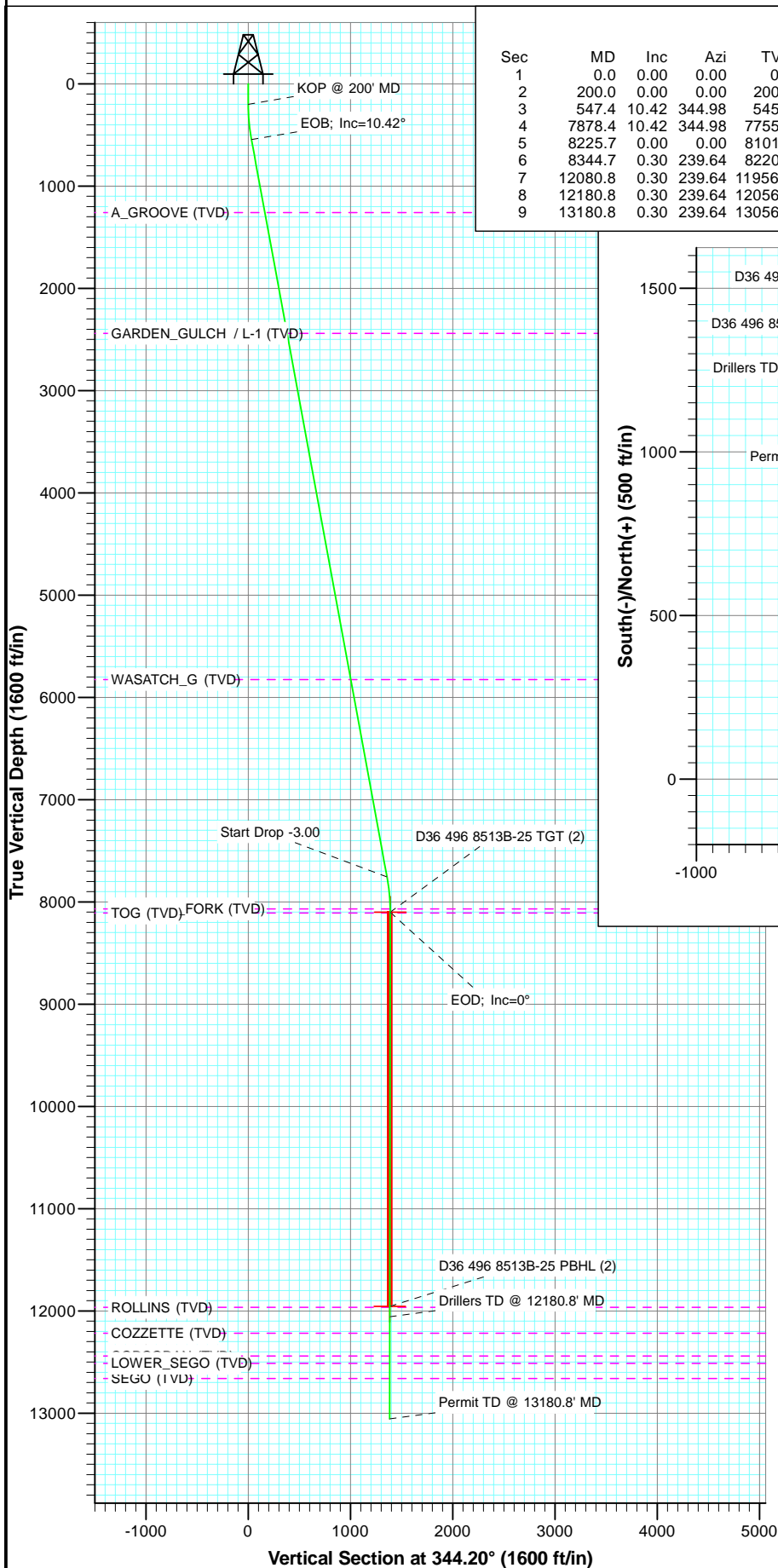
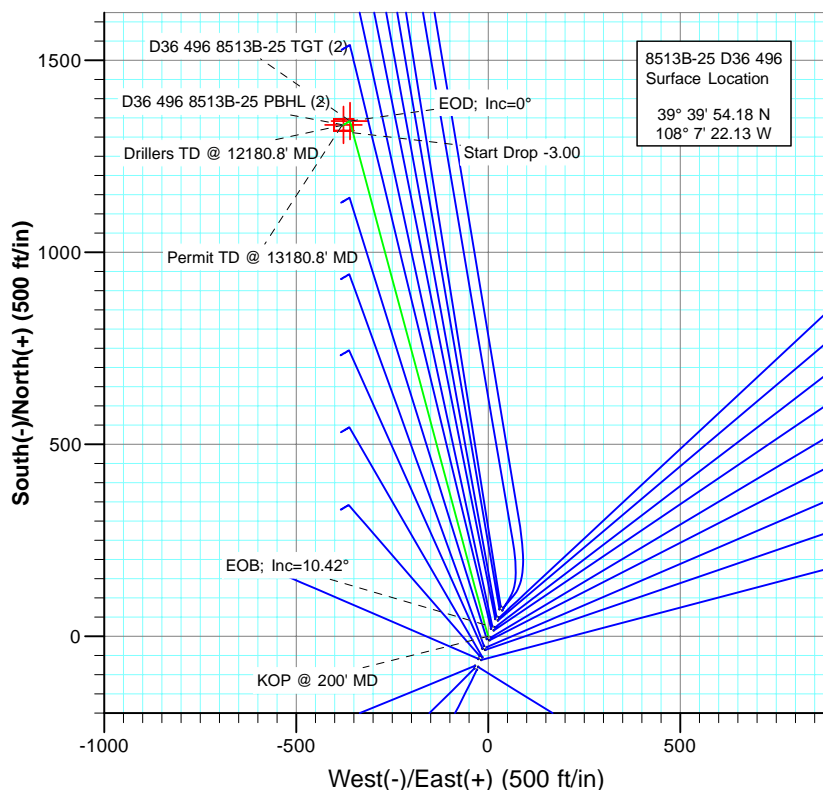




Project: Story Gulch  
Site: S36-T4S-R96W (D36 496)  
Well: 8513B-25 D36 496  
Wellbore: DD  
Plan: Plan #2



| SECTION DETAILS |         |       |        |         |        |        |      |        |        |                           |  |
|-----------------|---------|-------|--------|---------|--------|--------|------|--------|--------|---------------------------|--|
| Sec             | MD      | Inc   | Azi    | TVD     | +N/-S  | +E/-W  | Dleg | TFace  | VSec   | 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               | 547.4   | 10.42 | 344.98 | 545.4   | 30.4   | -8.2   | 3.00 | 344.98 | 31.5   |                           |  |
| 4               | 7878.4  | 10.42 | 344.98 | 7755.6  | 1311.1 | -351.7 | 0.00 | 0.00   | 1357.4 |                           |  |
| 5               | 8225.7  | 0.00  | 0.00   | 8101.0  | 1341.6 | -359.9 | 3.00 | 180.00 | 1388.9 | D36 496 8513B-25 TGT (2)  |  |
| 6               | 8344.7  | 0.30  | 239.64 | 8220.0  | 1341.4 | -360.2 | 0.25 | 239.64 | 1388.8 |                           |  |
| 7               | 12080.8 | 0.30  | 239.64 | 11956.0 | 1331.6 | -376.9 | 0.00 | 0.00   | 1383.9 | D36 496 8513B-25 PBHL (2) |  |
| 8               | 12180.8 | 0.30  | 239.64 | 12056.0 | 1331.3 | -377.4 | 0.00 | 0.00   | 1383.8 |                           |  |
| 9               | 13180.8 | 0.30  | 239.64 | 13056.0 | 1328.7 | -381.8 | 0.00 | 0.00   | 1382.5 |                           |  |



#### FORMATION TOP DETAILS

| TVDPath | MDPath  | Formation                |
|---------|---------|--------------------------|
| 1260.0  | 1273.9  | A_GROOVE (TVD)           |
| 2440.0  | 2473.7  | GARDEN_GULCH / L-1 (TVD) |
| 5826.0  | 5916.5  | WASATCH_G (TVD)          |
| 8070.0  | 8194.7  | WILLIAMS_FORK (TVD)      |
| 8110.0  | 8234.7  | TOG (TVD)                |
| 11965.0 | 12089.8 | ROLLINS (TVD)            |
| 12218.0 | 12342.8 | COZZETTE (TVD)           |
| 12441.0 | 12565.8 | CORCORAN (TVD)           |
| 12513.0 | 12637.8 | LOWER_SEGO (TVD)         |
| 12662.0 | 12786.8 | SEGO (TVD)               |



Azimuths to True North  
Magnetic North: 10.54°  
Magnetic Field  
Strength: 52439.0nT  
Dip Angle: 65.89°  
Date: 6/9/2010  
Model: IGRF200510

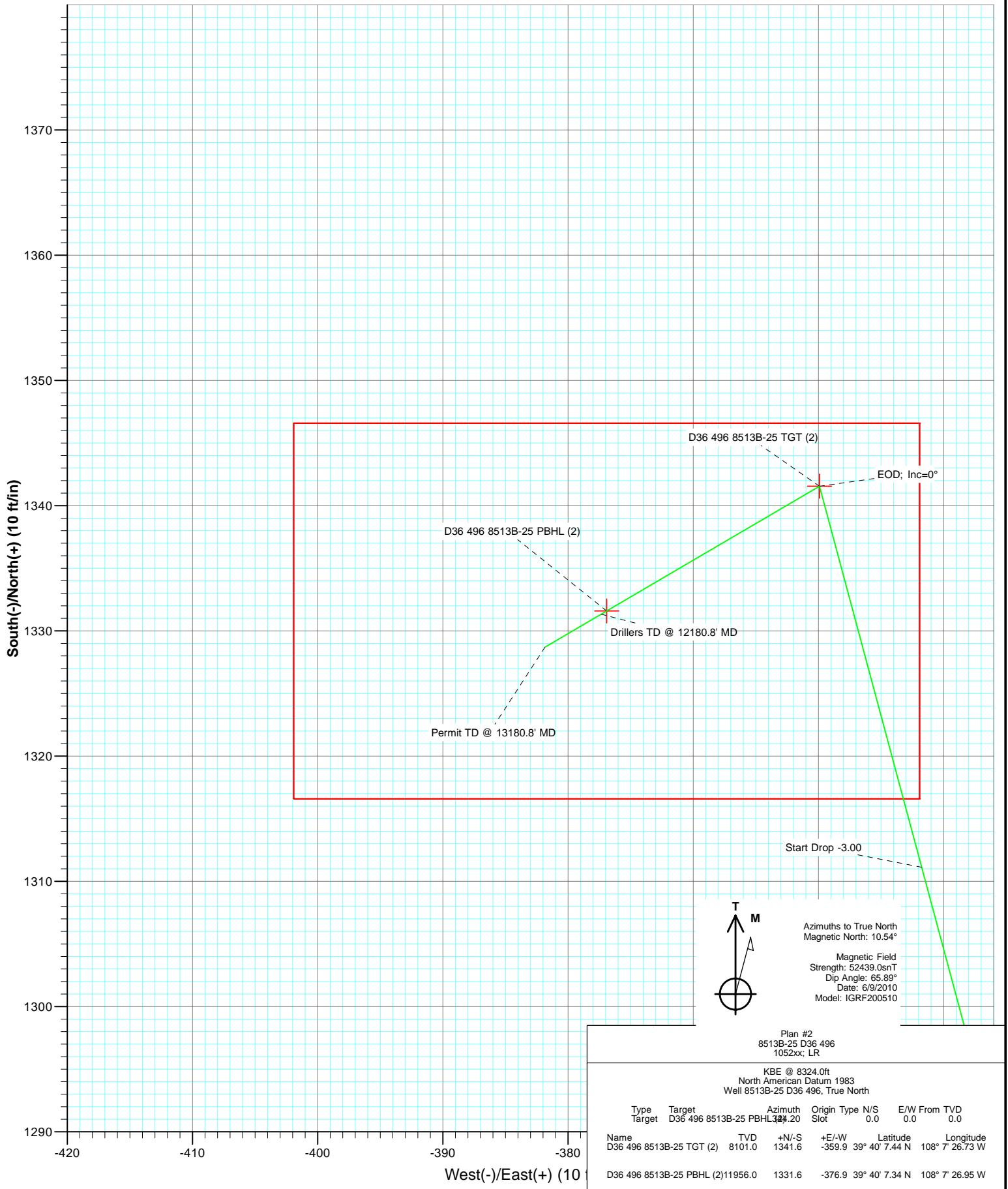
Plan #2  
8513B-25 D36 496  
1052xx; LR

KBE @ 8324.0ft  
North American Datum 1983  
Well 8513B-25 D36 496, True North

| Type   | Target                    | Azimuth | Origin | Type   | N/S            | E/W             | From | TVD |
|--------|---------------------------|---------|--------|--------|----------------|-----------------|------|-----|
| Target | D36 496 8513B-25 PBHL (2) | 1341.6  | Slot   | 0.0    | 0.0            | 0.0             | 0.0  | 0.0 |
| Name   | D36 496 8513B-25 TGT (2)  | TVD     | +N/-S  | +E/-W  | Latitude       | Longitude       |      |     |
|        |                           | 8101.0  | 1341.6 | -359.9 | 39° 40' 7.44 N | 108° 7' 26.73 W |      |     |
|        | D36 496 8513B-25 PBHL (2) | 11956.0 | 1331.6 | -376.9 | 39° 40' 7.34 N | 108° 7' 26.95 W |      |     |



Project: Story Gulch  
Site: S36-T4S-R96W (D36 496)  
Well: 8513B-25 D36 496  
Wellbore: DD  
Plan: Plan #2



# Cathedral Energy Services

## Planning Report

|                  |                              |                                     |                       |
|------------------|------------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM 5000.1 US Multi Users DB | <b>Local Co-ordinate Reference:</b> | Well 8513B-25 D36 496 |
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc   | <b>TVD Reference:</b>               | KBE @ 8324.0ft        |
| <b>Project:</b>  | Story Gulch                  | <b>MD Reference:</b>                | KBE @ 8324.0ft        |
| <b>Site:</b>     | S36-T4S-R96W (D36 496)       | <b>North Reference:</b>             | True                  |
| <b>Well:</b>     | 8513B-25 D36 496             | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | DD                           |                                     |                       |
| <b>Design:</b>   | Plan #2                      |                                     |                       |

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

| Site                  |          | S36-T4S-R96W (D36 496) |                 |                   |                 |
|-----------------------|----------|------------------------|-----------------|-------------------|-----------------|
| Site Position:        |          | Northing:              | 1,677,676.10 ft | Latitude:         | 39° 39' 53.09 N |
| From:                 | Lat/Long | Easting:               | 2,261,675.01 ft | Longitude:        | 108° 7' 22.74 W |
| Position Uncertainty: | 0.0 ft   | Slot Radius:           | 13.200 in       | Grid Convergence: | -1.65 °         |

|                      |                  |        |                     |                 |               |                 |
|----------------------|------------------|--------|---------------------|-----------------|---------------|-----------------|
| Well                 | 8513B-25 D36 496 |        |                     |                 |               |                 |
| Well Position        | +N/-S            | 0.0 ft | Northing:           | 1,677,784.64 ft | Latitude:     | 39° 39' 54.18 N |
|                      | +E/-W            | 0.0 ft | Easting:            | 2,261,725.55 ft | Longitude:    | 108° 7' 22.13 W |
| Position Uncertainty |                  | 0.0 ft | Wellhead Elevation: | ft              | Ground Level: | 8,302.0 ft      |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | DD                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF200510        | 6/9/2010           | 10.54                  | 65.89                | 52,439                     |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | Plan #2                      |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PLAN              | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.0                          | 0.0               | 0.0                  | 344.20               |

| <b>Plan Sections</b> |                 |             |                     |            |            |                       |                      |                     |         |                     |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|---------------------|
| 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    |                     |
| 547.4                | 10.42           | 344.98      | 545.4               | 30.4       | -8.2       | 3.00                  | 3.00                 | 0.00                | 344.98  |                     |
| 7,878.4              | 10.42           | 344.98      | 7,755.6             | 1,311.1    | -351.7     | 0.00                  | 0.00                 | 0.00                | 0.00    |                     |
| 8,225.7              | 0.00            | 0.00        | 8,101.0             | 1,341.6    | -359.9     | 3.00                  | -3.00                | 0.00                | 180.00  | D36 496 8513B-25 TC |
| 8,344.7              | 0.30            | 239.64      | 8,220.0             | 1,341.4    | -360.2     | 0.25                  | 0.25                 | -101.16             | 239.64  |                     |
| 12,080.8             | 0.30            | 239.64      | 11,956.0            | 1,331.6    | -376.9     | 0.00                  | 0.00                 | 0.00                | 0.00    | D36 496 8513B-25 PE |
| 12,180.8             | 0.30            | 239.64      | 12,056.0            | 1,331.3    | -377.4     | 0.00                  | 0.00                 | 0.00                | 0.00    |                     |
| 13,180.8             | 0.30            | 239.64      | 13,056.0            | 1,328.7    | -381.8     | 0.00                  | 0.00                 | 0.00                | 0.00    |                     |

# Cathedral Energy Services

## Planning Report

|                  |                              |                                     |                       |
|------------------|------------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM 5000.1 US Multi Users DB | <b>Local Co-ordinate Reference:</b> | Well 8513B-25 D36 496 |
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc   | <b>TVD Reference:</b>               | KBE @ 8324.0ft        |
| <b>Project:</b>  | Story Gulch                  | <b>MD Reference:</b>                | KBE @ 8324.0ft        |
| <b>Site:</b>     | S36-T4S-R96W (D36 496)       | <b>North Reference:</b>             | True                  |
| <b>Well:</b>     | 8513B-25 D36 496             | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | DD                           |                                     |                       |
| <b>Design:</b>   | Plan #2                      |                                     |                       |

### 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            | 344.98      | 300.0               | 2.5        | -0.7       | 2.6                   | 3.00                  | 3.00                 |                          |
| 400.0               | 6.00            | 344.98      | 399.6               | 10.1       | -2.7       | 10.5                  | 3.00                  | 3.00                 |                          |
| 500.0               | 9.00            | 344.98      | 498.8               | 22.7       | -6.1       | 23.5                  | 3.00                  | 3.00                 |                          |
| 547.4               | 10.42           | 344.98      | 545.4               | 30.4       | -8.2       | 31.5                  | 3.00                  | 3.00                 | EOB; Inc=10.42°          |
| 600.0               | 10.42           | 344.98      | 597.2               | 39.6       | -10.6      | 41.0                  | 0.00                  | 0.00                 |                          |
| 700.0               | 10.42           | 344.98      | 695.6               | 57.1       | -15.3      | 59.1                  | 0.00                  | 0.00                 |                          |
| 800.0               | 10.42           | 344.98      | 793.9               | 74.6       | -20.0      | 77.2                  | 0.00                  | 0.00                 |                          |
| 900.0               | 10.42           | 344.98      | 892.3               | 92.0       | -24.7      | 95.3                  | 0.00                  | 0.00                 |                          |
| 1,000.0             | 10.42           | 344.98      | 990.6               | 109.5      | -29.4      | 113.4                 | 0.00                  | 0.00                 |                          |
| 1,100.0             | 10.42           | 344.98      | 1,089.0             | 127.0      | -34.1      | 131.4                 | 0.00                  | 0.00                 |                          |
| 1,200.0             | 10.42           | 344.98      | 1,187.3             | 144.4      | -38.7      | 149.5                 | 0.00                  | 0.00                 |                          |
| 1,273.9             | 10.42           | 344.98      | 1,260.0             | 157.3      | -42.2      | 162.9                 | 0.00                  | 0.00                 | A_GROOVE (TVD)           |
| 1,300.0             | 10.42           | 344.98      | 1,285.7             | 161.9      | -43.4      | 167.6                 | 0.00                  | 0.00                 |                          |
| 1,400.0             | 10.42           | 344.98      | 1,384.0             | 179.4      | -48.1      | 185.7                 | 0.00                  | 0.00                 |                          |
| 1,500.0             | 10.42           | 344.98      | 1,482.4             | 196.8      | -52.8      | 203.8                 | 0.00                  | 0.00                 |                          |
| 1,600.0             | 10.42           | 344.98      | 1,580.7             | 214.3      | -57.5      | 221.9                 | 0.00                  | 0.00                 |                          |
| 1,700.0             | 10.42           | 344.98      | 1,679.1             | 231.8      | -62.2      | 240.0                 | 0.00                  | 0.00                 |                          |
| 1,800.0             | 10.42           | 344.98      | 1,777.4             | 249.3      | -66.9      | 258.0                 | 0.00                  | 0.00                 |                          |
| 1,900.0             | 10.42           | 344.98      | 1,875.8             | 266.7      | -71.6      | 276.1                 | 0.00                  | 0.00                 |                          |
| 2,000.0             | 10.42           | 344.98      | 1,974.1             | 284.2      | -76.2      | 294.2                 | 0.00                  | 0.00                 |                          |
| 2,100.0             | 10.42           | 344.98      | 2,072.5             | 301.7      | -80.9      | 312.3                 | 0.00                  | 0.00                 |                          |
| 2,200.0             | 10.42           | 344.98      | 2,170.8             | 319.1      | -85.6      | 330.4                 | 0.00                  | 0.00                 |                          |
| 2,300.0             | 10.42           | 344.98      | 2,269.2             | 336.6      | -90.3      | 348.5                 | 0.00                  | 0.00                 |                          |
| 2,400.0             | 10.42           | 344.98      | 2,367.5             | 354.1      | -95.0      | 366.6                 | 0.00                  | 0.00                 |                          |
| 2,473.7             | 10.42           | 344.98      | 2,440.0             | 366.9      | -98.4      | 379.9                 | 0.00                  | 0.00                 | GARDEN_GULCH / L-1 (TVD) |
| 2,500.0             | 10.42           | 344.98      | 2,465.9             | 371.5      | -99.7      | 384.6                 | 0.00                  | 0.00                 |                          |
| 2,600.0             | 10.42           | 344.98      | 2,564.2             | 389.0      | -104.4     | 402.7                 | 0.00                  | 0.00                 |                          |
| 2,700.0             | 10.42           | 344.98      | 2,662.6             | 406.5      | -109.1     | 420.8                 | 0.00                  | 0.00                 |                          |
| 2,800.0             | 10.42           | 344.98      | 2,760.9             | 424.0      | -113.7     | 438.9                 | 0.00                  | 0.00                 |                          |
| 2,900.0             | 10.42           | 344.98      | 2,859.3             | 441.4      | -118.4     | 457.0                 | 0.00                  | 0.00                 |                          |
| 3,000.0             | 10.42           | 344.98      | 2,957.6             | 458.9      | -123.1     | 475.1                 | 0.00                  | 0.00                 |                          |
| 3,100.0             | 10.42           | 344.98      | 3,056.0             | 476.4      | -127.8     | 493.2                 | 0.00                  | 0.00                 |                          |
| 3,200.0             | 10.42           | 344.98      | 3,154.3             | 493.8      | -132.5     | 511.2                 | 0.00                  | 0.00                 |                          |
| 3,300.0             | 10.42           | 344.98      | 3,252.7             | 511.3      | -137.2     | 529.3                 | 0.00                  | 0.00                 |                          |
| 3,400.0             | 10.42           | 344.98      | 3,351.0             | 528.8      | -141.9     | 547.4                 | 0.00                  | 0.00                 |                          |
| 3,500.0             | 10.42           | 344.98      | 3,449.4             | 546.2      | -146.5     | 565.5                 | 0.00                  | 0.00                 |                          |
| 3,600.0             | 10.42           | 344.98      | 3,547.7             | 563.7      | -151.2     | 583.6                 | 0.00                  | 0.00                 |                          |
| 3,700.0             | 10.42           | 344.98      | 3,646.1             | 581.2      | -155.9     | 601.7                 | 0.00                  | 0.00                 |                          |
| 3,800.0             | 10.42           | 344.98      | 3,744.4             | 598.6      | -160.6     | 619.8                 | 0.00                  | 0.00                 |                          |
| 3,900.0             | 10.42           | 344.98      | 3,842.8             | 616.1      | -165.3     | 637.8                 | 0.00                  | 0.00                 |                          |
| 4,000.0             | 10.42           | 344.98      | 3,941.1             | 633.6      | -170.0     | 655.9                 | 0.00                  | 0.00                 |                          |
| 4,100.0             | 10.42           | 344.98      | 4,039.5             | 651.1      | -174.7     | 674.0                 | 0.00                  | 0.00                 |                          |
| 4,200.0             | 10.42           | 344.98      | 4,137.8             | 668.5      | -179.4     | 692.1                 | 0.00                  | 0.00                 |                          |
| 4,300.0             | 10.42           | 344.98      | 4,236.2             | 686.0      | -184.0     | 710.2                 | 0.00                  | 0.00                 |                          |
| 4,400.0             | 10.42           | 344.98      | 4,334.5             | 703.5      | -188.7     | 728.3                 | 0.00                  | 0.00                 |                          |
| 4,500.0             | 10.42           | 344.98      | 4,432.9             | 720.9      | -193.4     | 746.4                 | 0.00                  | 0.00                 |                          |
| 4,600.0             | 10.42           | 344.98      | 4,531.2             | 738.4      | -198.1     | 764.4                 | 0.00                  | 0.00                 |                          |
| 4,700.0             | 10.42           | 344.98      | 4,629.6             | 755.9      | -202.8     | 782.5                 | 0.00                  | 0.00                 |                          |
| 4,800.0             | 10.42           | 344.98      | 4,727.9             | 773.3      | -207.5     | 800.6                 | 0.00                  | 0.00                 |                          |

# Cathedral Energy Services

## Planning Report

|                  |                              |                                     |                       |
|------------------|------------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM 5000.1 US Multi Users DB | <b>Local Co-ordinate Reference:</b> | Well 8513B-25 D36 496 |
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc   | <b>TVD Reference:</b>               | KBE @ 8324.0ft        |
| <b>Project:</b>  | Story Gulch                  | <b>MD Reference:</b>                | KBE @ 8324.0ft        |
| <b>Site:</b>     | S36-T4S-R96W (D36 496)       | <b>North Reference:</b>             | True                  |
| <b>Well:</b>     | 8513B-25 D36 496             | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | DD                           |                                     |                       |
| <b>Design:</b>   | Plan #2                      |                                     |                       |

| 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                  |
| 4,900.0             | 10.42           | 344.98      | 4,826.3             | 790.8      | -212.2     | 818.7                 | 0.00                  | 0.00                 |  |
| 5,000.0             | 10.42           | 344.98      | 4,924.6             | 808.3      | -216.8     | 836.8                 | 0.00                  | 0.00                 |  |
| 5,100.0             | 10.42           | 344.98      | 5,023.0             | 825.8      | -221.5     | 854.9                 | 0.00                  | 0.00                 |  |
| 5,200.0             | 10.42           | 344.98      | 5,121.3             | 843.2      | -226.2     | 873.0                 | 0.00                  | 0.00                 |  |
| 5,300.0             | 10.42           | 344.98      | 5,219.7             | 860.7      | -230.9     | 891.0                 | 0.00                  | 0.00                 |  |
| 5,400.0             | 10.42           | 344.98      | 5,318.1             | 878.2      | -235.6     | 909.1                 | 0.00                  | 0.00                 |  |
| 5,500.0             | 10.42           | 344.98      | 5,416.4             | 895.6      | -240.3     | 927.2                 | 0.00                  | 0.00                 |  |
| 5,600.0             | 10.42           | 344.98      | 5,514.8             | 913.1      | -245.0     | 945.3                 | 0.00                  | 0.00                 |  |
| 5,700.0             | 10.42           | 344.98      | 5,613.1             | 930.6      | -249.7     | 963.4                 | 0.00                  | 0.00                 |  |
| 5,800.0             | 10.42           | 344.98      | 5,711.5             | 948.0      | -254.3     | 981.5                 | 0.00                  | 0.00                 |  |
| 5,900.0             | 10.42           | 344.98      | 5,809.8             | 965.5      | -259.0     | 999.6                 | 0.00                  | 0.00                 |  |
| 5,916.5             | 10.42           | 344.98      | 5,826.0             | 968.4      | -259.8     | 1,002.5               | 0.00                  | 0.00                 | WASATCH_G (TVD)                        |
| 6,000.0             | 10.42           | 344.98      | 5,908.2             | 983.0      | -263.7     | 1,017.6               | 0.00                  | 0.00                 |  |
| 6,100.0             | 10.42           | 344.98      | 6,006.5             | 1,000.5    | -268.4     | 1,035.7               | 0.00                  | 0.00                 |  |
| 6,200.0             | 10.42           | 344.98      | 6,104.9             | 1,017.9    | -273.1     | 1,053.8               | 0.00                  | 0.00                 |  |
| 6,300.0             | 10.42           | 344.98      | 6,203.2             | 1,035.4    | -277.8     | 1,071.9               | 0.00                  | 0.00                 |  |
| 6,400.0             | 10.42           | 344.98      | 6,301.6             | 1,052.9    | -282.5     | 1,090.0               | 0.00                  | 0.00                 |  |
| 6,500.0             | 10.42           | 344.98      | 6,399.9             | 1,070.3    | -287.1     | 1,108.1               | 0.00                  | 0.00                 |  |
| 6,600.0             | 10.42           | 344.98      | 6,498.3             | 1,087.8    | -291.8     | 1,126.2               | 0.00                  | 0.00                 |  |
| 6,700.0             | 10.42           | 344.98      | 6,596.6             | 1,105.3    | -296.5     | 1,144.2               | 0.00                  | 0.00                 |  |
| 6,800.0             | 10.42           | 344.98      | 6,695.0             | 1,122.7    | -301.2     | 1,162.3               | 0.00                  | 0.00                 |  |
| 6,900.0             | 10.42           | 344.98      | 6,793.3             | 1,140.2    | -305.9     | 1,180.4               | 0.00                  | 0.00                 |  |
| 7,000.0             | 10.42           | 344.98      | 6,891.7             | 1,157.7    | -310.6     | 1,198.5               | 0.00                  | 0.00                 |  |
| 7,100.0             | 10.42           | 344.98      | 6,990.0             | 1,175.1    | -315.3     | 1,216.6               | 0.00                  | 0.00                 |  |
| 7,200.0             | 10.42           | 344.98      | 7,088.4             | 1,192.6    | -320.0     | 1,234.7               | 0.00                  | 0.00                 |  |
| 7,300.0             | 10.42           | 344.98      | 7,186.7             | 1,210.1    | -324.6     | 1,252.8               | 0.00                  | 0.00                 |  |
| 7,400.0             | 10.42           | 344.98      | 7,285.1             | 1,227.6    | -329.3     | 1,270.8               | 0.00                  | 0.00                 |  |
| 7,500.0             | 10.42           | 344.98      | 7,383.4             | 1,245.0    | -334.0     | 1,288.9               | 0.00                  | 0.00                 |  |
| 7,600.0             | 10.42           | 344.98      | 7,481.8             | 1,262.5    | -338.7     | 1,307.0               | 0.00                  | 0.00                 |  |
| 7,700.0             | 10.42           | 344.98      | 7,580.1             | 1,280.0    | -343.4     | 1,325.1               | 0.00                  | 0.00                 |  |
| 7,800.0             | 10.42           | 344.98      | 7,678.5             | 1,297.4    | -348.1     | 1,343.2               | 0.00                  | 0.00                 |  |
| 7,878.4             | 10.42           | 344.98      | 7,755.6             | 1,311.1    | -351.7     | 1,357.4               | 0.00                  | 0.00                 | Start Drop -3.00                       |
| 7,900.0             | 9.77            | 344.98      | 7,776.8             | 1,314.8    | -352.7     | 1,361.2               | 3.00                  | -3.00                |  |
| 8,000.0             | 6.77            | 344.98      | 7,875.8             | 1,328.7    | -356.5     | 1,375.5               | 3.00                  | -3.00                |  |
| 8,100.0             | 3.77            | 344.98      | 7,975.4             | 1,337.6    | -358.8     | 1,384.7               | 3.00                  | -3.00                |  |
| 8,194.7             | 0.93            | 344.98      | 8,070.0             | 1,341.3    | -359.8     | 1,388.6               | 3.00                  | -3.00                | WILLIAMS_FORK (TVD)                    |
| 8,200.0             | 0.77            | 344.98      | 8,075.3             | 1,341.4    | -359.9     | 1,388.7               | 3.00                  | -3.00                |  |
| 8,225.7             | 0.00            | 0.00        | 8,101.0             | 1,341.6    | -359.9     | 1,388.9               | 3.00                  | -3.00                | EOD; Inc=0° - D36 496 8513B-25 TGT (2) |
| 8,234.7             | 0.02            | 239.64      | 8,110.0             | 1,341.6    | -359.9     | 1,388.9               | 0.25                  | 0.25                 | TOG (TVD)                              |
| 8,300.0             | 0.19            | 239.64      | 8,175.3             | 1,341.5    | -360.0     | 1,388.8               | 0.25                  | 0.25                 |  |
| 8,344.7             | 0.30            | 239.64      | 8,220.0             | 1,341.4    | -360.2     | 1,388.8               | 0.25                  | 0.25                 |  |
| 8,400.0             | 0.30            | 239.64      | 8,275.3             | 1,341.3    | -360.4     | 1,388.7               | 0.00                  | 0.00                 |  |
| 8,409.0             | 0.30            | 239.64      | 8,284.3             | 1,341.2    | -360.5     | 1,388.7               | 0.00                  | 0.00                 | D36 496 8513B-25 TGT                   |
| 8,500.0             | 0.30            | 239.64      | 8,375.3             | 1,341.0    | -360.9     | 1,388.6               | 0.00                  | 0.00                 |  |
| 8,600.0             | 0.30            | 239.64      | 8,475.3             | 1,340.7    | -361.3     | 1,388.4               | 0.00                  | 0.00                 |  |
| 8,700.0             | 0.30            | 239.64      | 8,575.3             | 1,340.5    | -361.8     | 1,388.3               | 0.00                  | 0.00                 |  |
| 8,800.0             | 0.30            | 239.64      | 8,675.3             | 1,340.2    | -362.2     | 1,388.2               | 0.00                  | 0.00                 |  |
| 8,900.0             | 0.30            | 239.64      | 8,775.3             | 1,339.9    | -362.7     | 1,388.1               | 0.00                  | 0.00                 |  |
| 9,000.0             | 0.30            | 239.64      | 8,875.3             | 1,339.7    | -363.1     | 1,387.9               | 0.00                  | 0.00                 |  |
| 9,100.0             | 0.30            | 239.64      | 8,975.3             | 1,339.4    | -363.6     | 1,387.8               | 0.00                  | 0.00                 |  |
| 9,200.0             | 0.30            | 239.64      | 9,075.2             | 1,339.2    | -364.0     | 1,387.7               | 0.00                  | 0.00                 |  |
| 9,300.0             | 0.30            | 239.64      | 9,175.2             | 1,338.9    | -364.5     | 1,387.5               | 0.00                  | 0.00                 |  |

# Cathedral Energy Services

## Planning Report

|                  |                              |                                     |                       |
|------------------|------------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM 5000.1 US Multi Users DB | <b>Local Co-ordinate Reference:</b> | Well 8513B-25 D36 496 |
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc   | <b>TVD Reference:</b>               | KBE @ 8324.0ft        |
| <b>Project:</b>  | Story Gulch                  | <b>MD Reference:</b>                | KBE @ 8324.0ft        |
| <b>Site:</b>     | S36-T4S-R96W (D36 496)       | <b>North Reference:</b>             | True                  |
| <b>Well:</b>     | 8513B-25 D36 496             | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | DD                           |                                     |                       |
| <b>Design:</b>   | Plan #2                      |                                     |                       |

| 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     |
| 9,400.0             | 0.30            | 239.64      | 9,275.2             | 1,338.6    | -364.9     | 1,387.4               | 0.00                  | 0.00                 |                           |
| 9,500.0             | 0.30            | 239.64      | 9,375.2             | 1,338.4    | -365.3     | 1,387.3               | 0.00                  | 0.00                 |                           |
| 9,600.0             | 0.30            | 239.64      | 9,475.2             | 1,338.1    | -365.8     | 1,387.1               | 0.00                  | 0.00                 |                           |
| 9,700.0             | 0.30            | 239.64      | 9,575.2             | 1,337.8    | -366.2     | 1,387.0               | 0.00                  | 0.00                 |                           |
| 9,800.0             | 0.30            | 239.64      | 9,675.2             | 1,337.6    | -366.7     | 1,386.9               | 0.00                  | 0.00                 |                           |
| 9,900.0             | 0.30            | 239.64      | 9,775.2             | 1,337.3    | -367.1     | 1,386.8               | 0.00                  | 0.00                 |                           |
| 10,000.0            | 0.30            | 239.64      | 9,875.2             | 1,337.1    | -367.6     | 1,386.6               | 0.00                  | 0.00                 |                           |
| 10,100.0            | 0.30            | 239.64      | 9,975.2             | 1,336.8    | -368.0     | 1,386.5               | 0.00                  | 0.00                 |                           |
| 10,200.0            | 0.30            | 239.64      | 10,075.2            | 1,336.5    | -368.5     | 1,386.4               | 0.00                  | 0.00                 |                           |
| 10,300.0            | 0.30            | 239.64      | 10,175.2            | 1,336.3    | -368.9     | 1,386.2               | 0.00                  | 0.00                 |                           |
| 10,400.0            | 0.30            | 239.64      | 10,275.2            | 1,336.0    | -369.4     | 1,386.1               | 0.00                  | 0.00                 |                           |
| 10,500.0            | 0.30            | 239.64      | 10,375.2            | 1,335.7    | -369.8     | 1,386.0               | 0.00                  | 0.00                 |                           |
| 10,600.0            | 0.30            | 239.64      | 10,475.2            | 1,335.5    | -370.3     | 1,385.8               | 0.00                  | 0.00                 |                           |
| 10,700.0            | 0.30            | 239.64      | 10,575.2            | 1,335.2    | -370.7     | 1,385.7               | 0.00                  | 0.00                 |                           |
| 10,800.0            | 0.30            | 239.64      | 10,675.2            | 1,335.0    | -371.2     | 1,385.6               | 0.00                  | 0.00                 |                           |
| 10,900.0            | 0.30            | 239.64      | 10,775.2            | 1,334.7    | -371.6     | 1,385.4               | 0.00                  | 0.00                 |                           |
| 11,000.0            | 0.30            | 239.64      | 10,875.2            | 1,334.4    | -372.1     | 1,385.3               | 0.00                  | 0.00                 |                           |
| 11,100.0            | 0.30            | 239.64      | 10,975.2            | 1,334.2    | -372.5     | 1,385.2               | 0.00                  | 0.00                 |                           |
| 11,200.0            | 0.30            | 239.64      | 11,075.2            | 1,333.9    | -373.0     | 1,385.1               | 0.00                  | 0.00                 |                           |
| 11,300.0            | 0.30            | 239.64      | 11,175.2            | 1,333.6    | -373.4     | 1,384.9               | 0.00                  | 0.00                 |                           |
| 11,400.0            | 0.30            | 239.64      | 11,275.2            | 1,333.4    | -373.9     | 1,384.8               | 0.00                  | 0.00                 |                           |
| 11,500.0            | 0.30            | 239.64      | 11,375.2            | 1,333.1    | -374.3     | 1,384.7               | 0.00                  | 0.00                 |                           |
| 11,600.0            | 0.30            | 239.64      | 11,475.2            | 1,332.9    | -374.8     | 1,384.5               | 0.00                  | 0.00                 |                           |
| 11,700.0            | 0.30            | 239.64      | 11,575.2            | 1,332.6    | -375.2     | 1,384.4               | 0.00                  | 0.00                 |                           |
| 11,800.0            | 0.30            | 239.64      | 11,675.2            | 1,332.3    | -375.7     | 1,384.3               | 0.00                  | 0.00                 |                           |
| 11,900.0            | 0.30            | 239.64      | 11,775.2            | 1,332.1    | -376.1     | 1,384.1               | 0.00                  | 0.00                 |                           |
| 12,000.0            | 0.30            | 239.64      | 11,875.2            | 1,331.8    | -376.5     | 1,384.0               | 0.00                  | 0.00                 |                           |
| 12,068.9            | 0.30            | 239.64      | 11,944.2            | 1,331.6    | -376.9     | 1,383.9               | 0.00                  | 0.00                 | D36 496 8513B-25 PBHL     |
| 12,080.8            | 0.30            | 239.64      | 11,956.0            | 1,331.6    | -376.9     | 1,383.9               | 0.00                  | 0.00                 | D36 496 8513B-25 PBHL (2) |
| 12,089.8            | 0.30            | 239.64      | 11,965.0            | 1,331.6    | -376.9     | 1,383.9               | 0.00                  | 0.00                 | ROLLINS (TVD)             |
| 12,100.0            | 0.30            | 239.64      | 11,975.2            | 1,331.5    | -377.0     | 1,383.9               | 0.00                  | 0.00                 |                           |
| 12,180.8            | 0.30            | 239.64      | 12,056.0            | 1,331.3    | -377.4     | 1,383.8               | 0.00                  | 0.00                 | Drillers TD @ 12180.8' MD |
| 12,200.0            | 0.30            | 239.64      | 12,075.2            | 1,331.3    | -377.4     | 1,383.8               | 0.00                  | 0.00                 |                           |
| 12,300.0            | 0.30            | 239.64      | 12,175.2            | 1,331.0    | -377.9     | 1,383.6               | 0.00                  | 0.00                 |                           |
| 12,342.8            | 0.30            | 239.64      | 12,218.0            | 1,330.9    | -378.1     | 1,383.6               | 0.00                  | 0.00                 | COZZETTE (TVD)            |
| 12,400.0            | 0.30            | 239.64      | 12,275.2            | 1,330.8    | -378.3     | 1,383.5               | 0.00                  | 0.00                 |                           |
| 12,500.0            | 0.30            | 239.64      | 12,375.2            | 1,330.5    | -378.8     | 1,383.4               | 0.00                  | 0.00                 |                           |
| 12,565.8            | 0.30            | 239.64      | 12,441.0            | 1,330.3    | -379.1     | 1,383.3               | 0.00                  | 0.00                 | CORCORAN (TVD)            |
| 12,600.0            | 0.30            | 239.64      | 12,475.2            | 1,330.2    | -379.2     | 1,383.2               | 0.00                  | 0.00                 |                           |
| 12,637.8            | 0.30            | 239.64      | 12,513.0            | 1,330.1    | -379.4     | 1,383.2               | 0.00                  | 0.00                 | LOWER_SEGO (TVD)          |
| 12,700.0            | 0.30            | 239.64      | 12,575.2            | 1,330.0    | -379.7     | 1,383.1               | 0.00                  | 0.00                 |                           |
| 12,786.8            | 0.30            | 239.64      | 12,662.0            | 1,329.7    | -380.1     | 1,383.0               | 0.00                  | 0.00                 | SEGO (TVD)                |
| 12,800.0            | 0.30            | 239.64      | 12,675.2            | 1,329.7    | -380.1     | 1,383.0               | 0.00                  | 0.00                 |                           |
| 12,900.0            | 0.30            | 239.64      | 12,775.2            | 1,329.4    | -380.6     | 1,382.8               | 0.00                  | 0.00                 |                           |
| 13,000.0            | 0.30            | 239.64      | 12,875.2            | 1,329.2    | -381.0     | 1,382.7               | 0.00                  | 0.00                 |                           |
| 13,100.0            | 0.30            | 239.64      | 12,975.2            | 1,328.9    | -381.5     | 1,382.6               | 0.00                  | 0.00                 |                           |
| 13,180.8            | 0.30            | 239.64      | 13,056.0            | 1,328.7    | -381.8     | 1,382.5               | 0.00                  | 0.00                 | Permit TD @ 13180.8' MD   |

# Cathedral Energy Services

## Planning Report

|                  |                              |                                     |                       |
|------------------|------------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM 5000.1 US Multi Users DB | <b>Local Co-ordinate Reference:</b> | Well 8513B-25 D36 496 |
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc   | <b>TVD Reference:</b>               | KBE @ 8324.0ft        |
| <b>Project:</b>  | Story Gulch                  | <b>MD Reference:</b>                | KBE @ 8324.0ft        |
| <b>Site:</b>     | S36-T4S-R96W (D36 496)       | <b>North Reference:</b>             | True                  |
| <b>Well:</b>     | 8513B-25 D36 496             | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | DD                           |                                     |                       |
| <b>Design:</b>   | Plan #2                      |                                     |                       |

| 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)         |                |                 |
| D36 496 8513B-25 PBH   | 0.00      | 0.00     | 11,944.0 | 1,231.4 | -352.7 | 1,679,025.73 | 2,261,408.57 | 39° 40' 6.35 N | 108° 7' 26.64 W |
| - plan misses target center by 103.1ft at 12068.9ft MD (11944.2 TVD, 1331.6 N, -376.9 E) |           |          |          |         |        |              |              |                |                 |
| - Rectangle (sides W30.0 H50.0 D0.0)   |           |          |          |         |        |              |              |                |                 |
| D36 496 8513B-25 PBH   | 0.00      | 0.00     | 11,956.0 | 1,331.6 | -376.9 | 1,679,126.56 | 2,261,387.23 | 39° 40' 7.34 N | 108° 7' 26.95 W |
| - plan hits target center  |           |          |          |         |        |              |              |                |                 |
| - Rectangle (sides W30.0 H50.0 D0.0)   |           |          |          |         |        |              |              |                |                 |
| D36 496 8513B-25 TGT   | 0.00      | 0.00     | 8,284.0  | 1,231.4 | -352.7 | 1,679,025.73 | 2,261,408.57 | 39° 40' 6.35 N | 108° 7' 26.64 W |
| - plan misses target center by 110.1ft at 8409.0ft MD (8284.3 TVD, 1341.2 N, -360.5 E)   |           |          |          |         |        |              |              |                |                 |
| - Point  |           |          |          |         |        |              |              |                |                 |
| D36 496 8513B-25 TGT   | 0.00      | 0.00     | 8,101.0  | 1,341.6 | -359.9 | 1,679,136.02 | 2,261,404.52 | 39° 40' 7.44 N | 108° 7' 26.73 W |
| - plan hits target center  |           |          |          |         |        |              |              |                |                 |
| - Point  |           |          |          |         |        |              |              |                |                 |

| Formations     |                |                          |           |     |               |  |
|----------------|----------------|--------------------------|-----------|-----|---------------|--|
| Measured Depth | Vertical Depth | Name                     | Lithology | Dip | Dip Direction |  |
| (ft)           | (ft)           |                          |           | (°) | (°)           |  |
| 1,273.9        | 1,260.0        | A_GROOVE (TVD)           |           |     |               |  |
| 2,473.7        | 2,440.0        | GARDEN_GULCH / L-1 (TVD) |           |     |               |  |
| 5,916.5        | 5,826.0        | WASATCH_G (TVD)          |           |     |               |  |
| 8,194.7        | 8,070.0        | WILLIAMS_FORK (TVD)      |           |     |               |  |
| 8,234.7        | 8,110.0        | TOG (TVD)                |           |     |               |  |
| 12,089.8       | 11,965.0       | ROLLINS (TVD)            |           |     |               |  |
| 12,342.8       | 12,218.0       | COZZETTE (TVD)           |           |     |               |  |
| 12,565.8       | 12,441.0       | CORCORAN (TVD)           |           |     |               |  |
| 12,637.8       | 12,513.0       | LOWER_SEGO (TVD)         |           |     |               |  |
| 12,786.8       | 12,662.0       | SEGO (TVD)               |           |     |               |  |

| Plan Annotations |                |                   |            |                           |  |
|------------------|----------------|-------------------|------------|---------------------------|--|
| Measured Depth   | Vertical Depth | Local Coordinates |            |                           |  |
| (ft)             | (ft)           | +N/-S (ft)        | +E/-W (ft) | Comment                   |  |
| 200.0            | 200.0          | 0.0               | 0.0        | KOP @ 200' MD             |  |
| 547.4            | 545.4          | 30.4              | -8.2       | EOB; Inc=10.42°           |  |
| 7,878.4          | 7,755.6        | 1,311.1           | -351.7     | Start Drop -3.00          |  |
| 8,225.7          | 8,101.0        | 1,341.6           | -359.9     | EOD; Inc=0°               |  |
| 12,180.8         | 12,056.0       | 1,341.4           | -360.2     | Drillers TD @ 12180.8' MD |  |
| 13,180.8         | 13,056.0       | 1,331.6           | -376.9     | Permit TD @ 13180.8' MD   |  |