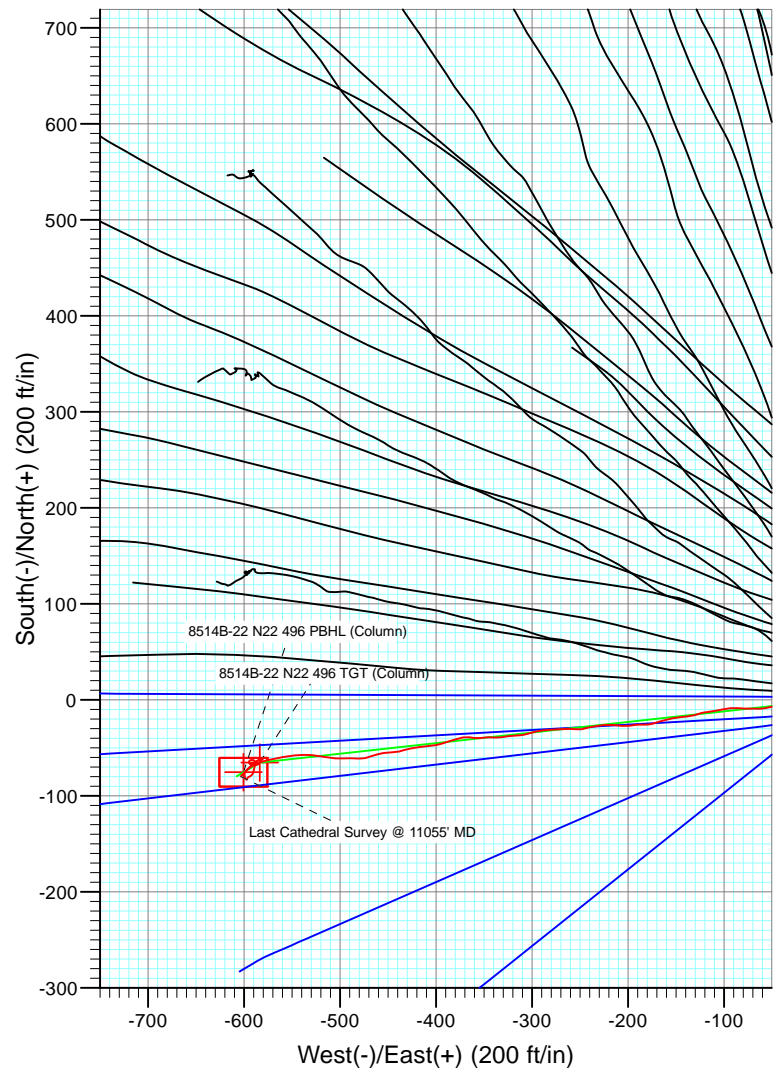
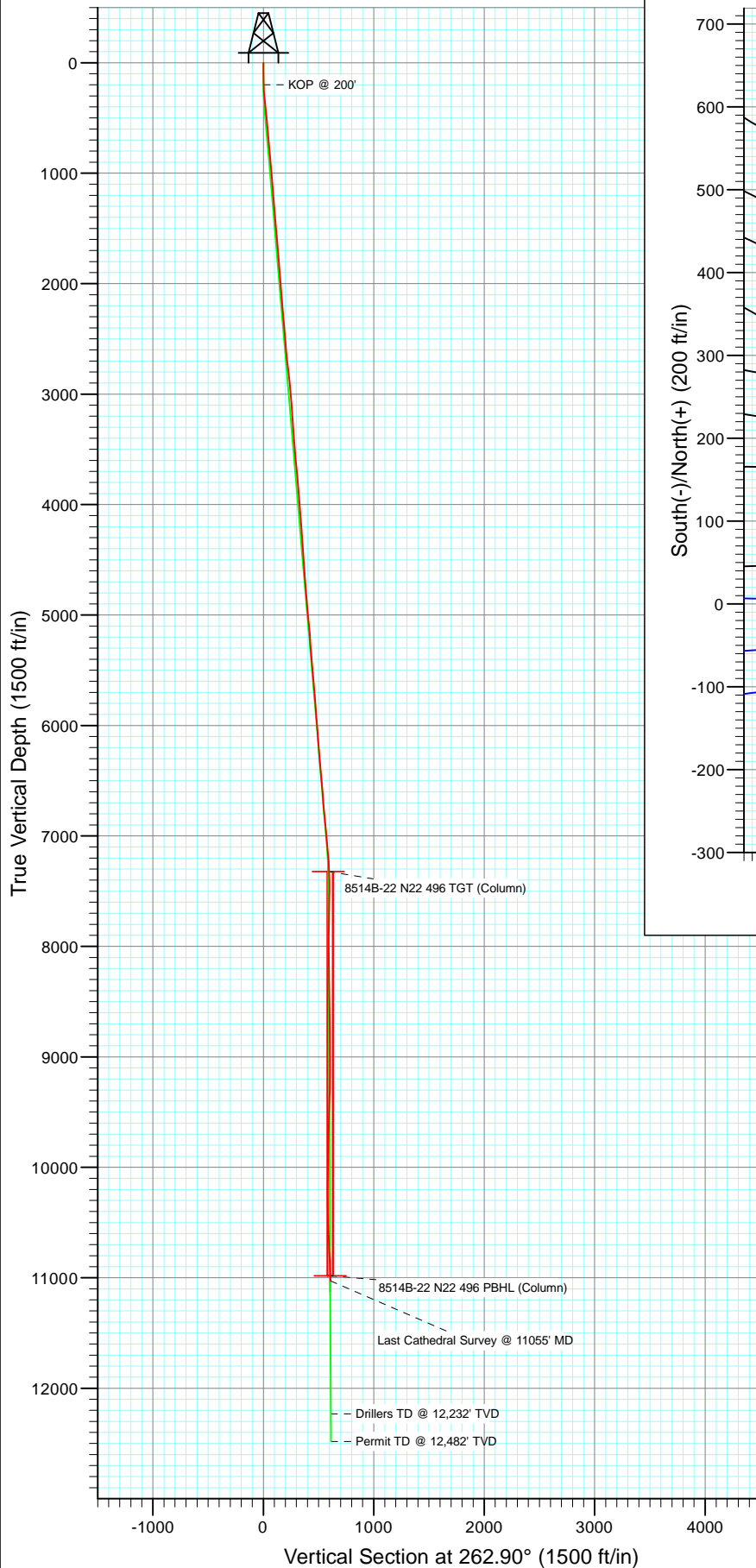




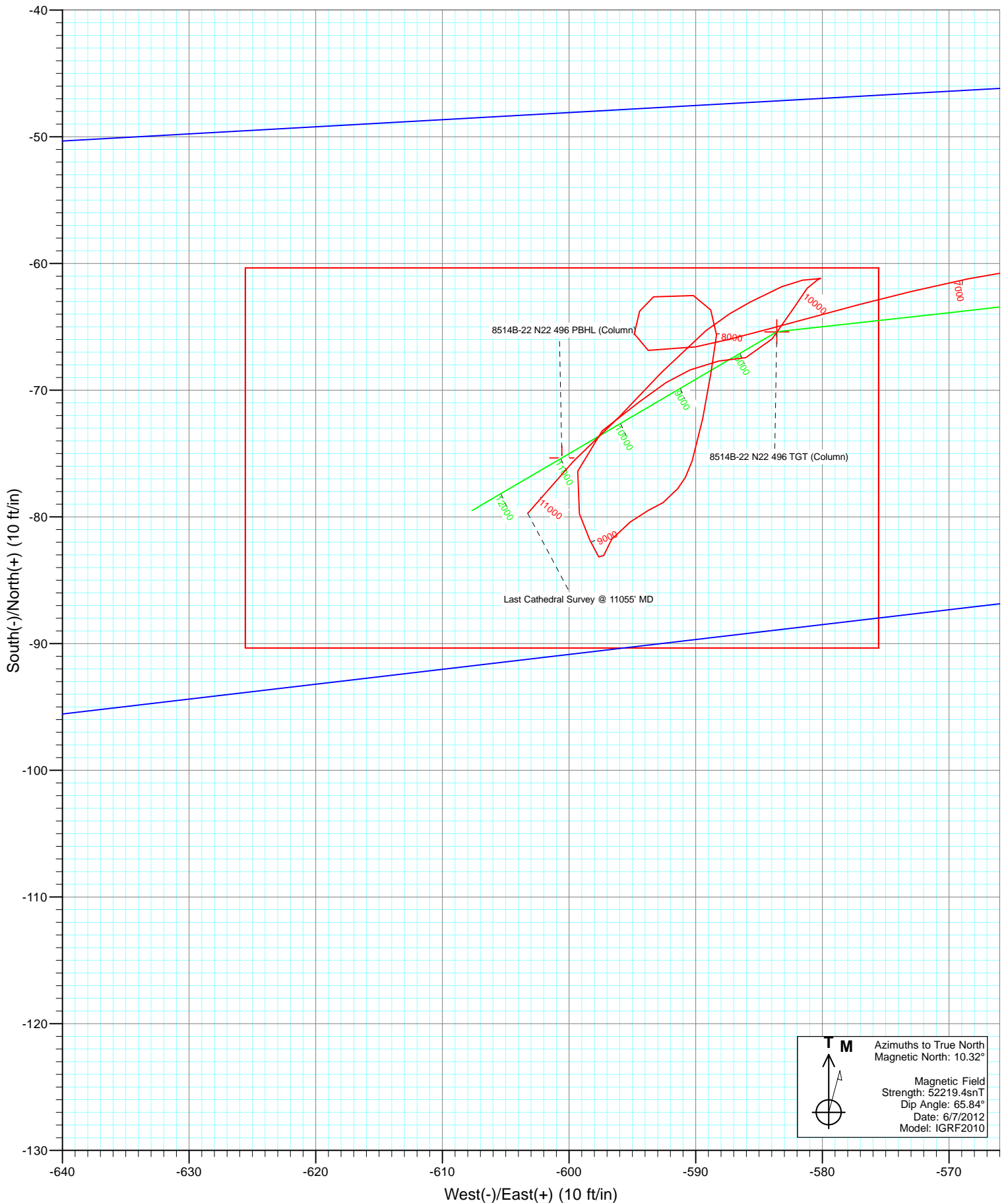
Project: Story Gulch  
 Site: S22-T4S-R96W (N22 496) (Column Pattern)  
 Well: 8514B-22 N22 496  
 Wellbore: DD  
 Design: FINAL



Azimuths to True North  
 Magnetic North: 10.32°

Magnetic Field  
 Strength: 52219.4snT  
 Dip Angle: 65.84°  
 Date: 6/7/2012  
 Model: IGRF2010

| FINAL                                     |                      |         |        |       |     |            |              |
|---|----------------------|---------|--------|-------|-----|------------|--------------|
| 8514B-22 N22 496                          |                      |         |        |       |     |            |              |
| 125184/147255 (SH) 125397/162955 (MH); LR |                      |         |        |       |     |            |              |
| WELL @ 7602.0ft (Patterson 306)           |                      |         |        |       |     |            |              |
| GL @ 7569.0                               |                      |         |        |       |     |            |              |
| North American Datum 1983                 |                      |         |        |       |     |            |              |
| Well 8514B-22 N22 496, True North         |                      |         |        |       |     |            |              |
| Type                                      | Target               | Azimuth | Origin | Type  | N/S | E/W        | From TVD     |
| User                                      | No Target (Freehand) |         | Slot   |       | 0.0 | 0.0        | 0.0          |
|   |                      | TVD     |        |       |     |            |              |
| 8514B-22 N22 496 TGT (Column)             |                      | 7322.0  | -65.4  | +E/-W |     | Latitude   | Longitude    |
| 8514B-22 N22 496 PBHL (Column)            |                      | 10982.0 | -75.3  |       |     | 39.6836082 | -108.1592930 |
|   |                      |         |        |       |     | 39.6835809 | -108.1593533 |



## Survey Report

|                  |   |                                     |                                 |
|------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well 8514B-22 N22 496           |
| <b>Project:</b>  | Story Gulch                             | <b>TVD Reference:</b>               | WELL @ 7602.0ft (Patterson 306) |
| <b>Site:</b>     | S22-T4S-R96W (N22 496) (Column Pattern) | <b>MD Reference:</b>                | WELL @ 7602.0ft (Patterson 306) |
| <b>Well:</b>     | 8514B-22 N22 496                        | <b>North Reference:</b>             | True                            |
| <b>Wellbore:</b> | DD                                      | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | FINAL                                   | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <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                  | S22-T4S-R96W (N22 496) (Column Pattern) |              |                 |                   |              |
|-----------------------|---|--------------|-----------------|-------------------|--------------|
| Site Position:        |   | Northing:    | 1,685,048.56 ft | Latitude:         | 39.6842326   |
| From:                 | Lat/Long                                | Easting:     | 2,252,316.79 ft | Longitude:        | -108.1569750 |
| Position Uncertainty: | 0.0 ft                                  | Slot Radius: | 13.200 in       | Grid Convergence: | -1.68 °      |

|                      |                  |        |                     |                 |               |              |
|----------------------|------------------|--------|---------------------|-----------------|---------------|--------------|
| Well                 | 8514B-22 N22 496 |        |                     |                 |               |              |
| Well Position        | +N/-S            | 0.0 ft | Northing:           | 1,684,888.62 ft | Latitude:     | 39.6837878   |
|                      | +E/-W            | 0.0 ft | Easting:            | 2,252,243.29 ft | Longitude:    | -108.1572194 |
| Position Uncertainty |                  | 0.0 ft | Wellhead Elevation: | ft              | Ground Level: | 7,569.0 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> |
|                  | IGRF2010          | 6/7/2012           | 10.32                  | 65.84                | 52,219                     |

|                          |                         |               |              |                      |     |
|--------------------------|-------------------------|---------------|--------------|----------------------|-----|
| <b>Design</b>            | FINAL                   |               |              |                      |     |
| <b>Audit Notes:</b>      |                         |               |              |                      |     |
| <b>Version:</b>          | 1.0                     | <b>Phase:</b> | ACTUAL       | <b>Tie On Depth:</b> | 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S</b>  | <b>+E/-W</b> | <b>Direction</b>     |     |
|                          | (ft)                    | (ft)          | (ft)         | (°)                  |     |
|                          | 0.0                     | 0.0           | 0.0          | 262.90               |     |

|                       |                |                          |                  |                    |  |
|-----------------------|----------------|--------------------------|------------------|--------------------|--|
| <b>Survey Program</b> | <b>Date</b>    | 6/18/2012                |                  |                    |  |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |  |
| 240.0                 | 2,065.0        | Survey #1 (DD)           | MWD              | Geolink MWD        |  |
| 2,167.0               | 11,055.0       | Survey #2 (DD)           | MWD              | Geolink MWD        |  |

|                            |                        |                    |                            |                   |                   |                              |                              |                             |                              |  |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|------------------------------|--|
| <b>Survey</b>              |                        |                    |                            |                   |                   |                              |                              |                             |                              |  |
| <b>Measured Depth (ft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Vertical Section (ft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Formations / Comments</b> |  |
| 0.0                        | 0.00                   | 0.00               | 0.0                        | 0.0               | 0.0               | 0.0                          | 0.00                         | 0.00                        |                              |  |
| 240.0                      | 2.80                   | 255.30             | 239.9                      | -1.5              | -5.7              | 5.8                          | 1.17                         | 1.17                        |                              |  |
| 332.0                      | 4.80                   | 263.30             | 331.7                      | -2.5              | -11.7             | 11.9                         | 2.24                         | 2.17                        |                              |  |
| 424.0                      | 6.30                   | 264.20             | 423.3                      | -3.5              | -20.5             | 20.8                         | 1.63                         | 1.63                        |                              |  |
| 514.0                      | 6.20                   | 262.50             | 512.7                      | -4.6              | -30.2             | 30.6                         | 0.23                         | -0.11                       |                              |  |
| 610.0                      | 5.60                   | 263.30             | 608.2                      | -5.8              | -40.0             | 40.4                         | 0.63                         | -0.62                       |                              |  |
| 702.0                      | 5.20                   | 261.10             | 699.8                      | -7.0              | -48.6             | 49.1                         | 0.49                         | -0.43                       |                              |  |
| 793.0                      | 5.10                   | 257.20             | 790.4                      | -8.5              | -56.6             | 57.3                         | 0.40                         | -0.11                       |                              |  |
| 884.0                      | 4.50                   | 271.60             | 881.1                      | -9.3              | -64.1             | 64.8                         | 1.47                         | -0.66                       |                              |  |
| 975.0                      | 3.80                   | 271.40             | 971.9                      | -9.1              | -70.7             | 71.3                         | 0.77                         | -0.77                       |                              |  |
| 1,066.0                    | 4.90                   | 270.90             | 1,062.6                    | -9.0              | -77.6             | 78.1                         | 1.21                         | 1.21                        |                              |  |
| 1,157.0                    | 4.80                   | 277.10             | 1,153.3                    | -8.5              | -85.3             | 85.7                         | 0.59                         | -0.11                       |                              |  |

## Survey Report

|                  |   |                                     |                                 |
|------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well 8514B-22 N22 496           |
| <b>Project:</b>  | Story Gulch                             | <b>TVD Reference:</b>               | WELL @ 7602.0ft (Patterson 306) |
| <b>Site:</b>     | S22-T4S-R96W (N22 496) (Column Pattern) | <b>MD Reference:</b>                | WELL @ 7602.0ft (Patterson 306) |
| <b>Well:</b>     | 8514B-22 N22 496                        | <b>North Reference:</b>             | True                            |
| <b>Wellbore:</b> | DD                                      | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | FINAL                                   | <b>Database:</b>                    | USA EDM 5000 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 |
| 1,249.0             | 4.80            | 262.00      | 1,245.0             | -8.5       | -92.9      | 93.3                  | 1.37                  | 0.00                 |                       |
| 1,340.0             | 4.90            | 260.00      | 1,335.7             | -9.7       | -100.5     | 101.0                 | 0.22                  | 0.11                 |                       |
| 1,432.0             | 5.10            | 259.10      | 1,427.3             | -11.2      | -108.4     | 109.0                 | 0.23                  | 0.22                 |                       |
| 1,524.0             | 5.50            | 264.20      | 1,518.9             | -12.4      | -116.8     | 117.4                 | 0.67                  | 0.43                 |                       |
| 1,616.0             | 4.00            | 251.10      | 1,610.6             | -13.9      | -124.2     | 125.0                 | 2.00                  | -1.63                |                       |
| 1,707.0             | 4.40            | 255.60      | 1,701.4             | -15.8      | -130.6     | 131.6                 | 0.57                  | 0.44                 |                       |
| 1,798.0             | 5.10            | 262.40      | 1,792.0             | -17.2      | -138.0     | 139.1                 | 0.99                  | 0.77                 |                       |
| 1,890.0             | 5.10            | 263.80      | 1,883.7             | -18.2      | -146.1     | 147.3                 | 0.14                  | 0.00                 |                       |
| 1,982.0             | 4.60            | 258.70      | 1,975.3             | -19.4      | -153.8     | 155.0                 | 0.72                  | -0.54                |                       |
| 2,065.0             | 4.50            | 257.40      | 2,058.1             | -20.7      | -160.2     | 161.6                 | 0.17                  | -0.12                |                       |
| 2,167.0             | 4.40            | 252.50      | 2,159.8             | -22.8      | -167.9     | 169.4                 | 0.39                  | -0.10                |                       |
| 2,259.0             | 4.60            | 254.20      | 2,251.5             | -24.8      | -174.8     | 176.5                 | 0.26                  | 0.22                 |                       |
| 2,350.0             | 5.80            | 270.70      | 2,342.1             | -25.8      | -182.9     | 184.7                 | 2.09                  | 1.32                 |                       |
| 2,442.0             | 4.50            | 267.00      | 2,433.8             | -25.9      | -191.2     | 192.9                 | 1.46                  | -1.41                |                       |
| 2,534.0             | 4.50            | 258.10      | 2,525.5             | -26.8      | -198.3     | 200.1                 | 0.76                  | 0.00                 |                       |
| 2,625.0             | 5.70            | 275.60      | 2,616.1             | -27.1      | -206.3     | 208.1                 | 2.14                  | 1.32                 |                       |
| 2,716.0             | 6.00            | 276.50      | 2,706.6             | -26.1      | -215.5     | 217.1                 | 0.34                  | 0.33                 |                       |
| 2,808.0             | 6.90            | 263.40      | 2,798.1             | -26.2      | -225.8     | 227.3                 | 1.87                  | 0.98                 |                       |
| 2,900.0             | 6.70            | 259.80      | 2,889.4             | -27.8      | -236.6     | 238.2                 | 0.51                  | -0.22                |                       |
| 2,991.0             | 5.10            | 254.30      | 2,979.9             | -29.9      | -245.7     | 247.5                 | 1.86                  | -1.76                |                       |
| 3,083.0             | 4.30            | 277.80      | 3,071.6             | -30.5      | -253.0     | 254.9                 | 2.25                  | -0.87                |                       |
| 3,174.0             | 3.30            | 265.30      | 3,162.4             | -30.3      | -259.0     | 260.8                 | 1.42                  | -1.10                |                       |
| 3,266.0             | 3.60            | 272.10      | 3,254.3             | -30.4      | -264.5     | 266.3                 | 0.55                  | 0.33                 |                       |
| 3,357.0             | 4.10            | 265.20      | 3,345.1             | -30.5      | -270.6     | 272.3                 | 0.75                  | 0.55                 |                       |
| 3,449.0             | 5.50            | 268.20      | 3,436.7             | -30.9      | -278.3     | 280.0                 | 1.55                  | 1.52                 |                       |
| 3,541.0             | 5.70            | 264.10      | 3,528.3             | -31.6      | -287.3     | 289.0                 | 0.49                  | 0.22                 |                       |
| 3,632.0             | 5.30            | 256.70      | 3,618.9             | -33.0      | -295.9     | 297.7                 | 0.89                  | -0.44                |                       |
| 3,724.0             | 4.90            | 252.10      | 3,710.5             | -35.2      | -303.7     | 305.8                 | 0.62                  | -0.43                |                       |
| 3,816.0             | 4.80            | 264.10      | 3,802.2             | -36.8      | -311.3     | 313.5                 | 1.11                  | -0.11                |                       |
| 3,908.0             | 3.90            | 267.60      | 3,893.9             | -37.3      | -318.3     | 320.4                 | 1.02                  | -0.98                |                       |
| 3,994.0             | 4.50            | 265.70      | 3,979.7             | -37.7      | -324.5     | 326.7                 | 0.72                  | 0.70                 |                       |
| 4,091.0             | 4.40            | 254.50      | 4,076.4             | -39.0      | -331.9     | 334.2                 | 0.90                  | -0.10                |                       |
| 4,182.0             | 4.70            | 278.90      | 4,167.1             | -39.3      | -339.0     | 341.2                 | 2.14                  | 0.33                 |                       |
| 4,274.0             | 4.10            | 267.10      | 4,258.8             | -38.9      | -346.0     | 348.1                 | 1.18                  | -0.65                |                       |
| 4,365.0             | 4.10            | 262.40      | 4,349.6             | -39.5      | -352.5     | 354.6                 | 0.37                  | 0.00                 |                       |
| 4,457.0             | 4.00            | 273.10      | 4,441.4             | -39.7      | -358.9     | 361.1                 | 0.83                  | -0.11                |                       |
| 4,549.0             | 4.00            | 280.60      | 4,533.2             | -39.0      | -365.3     | 367.3                 | 0.57                  | 0.00                 |                       |
| 4,640.0             | 4.40            | 257.80      | 4,623.9             | -39.1      | -371.8     | 373.8                 | 1.87                  | 0.44                 |                       |
| 4,732.0             | 4.70            | 253.60      | 4,715.6             | -40.9      | -378.9     | 381.0                 | 0.49                  | 0.33                 |                       |
| 4,824.0             | 4.10            | 254.70      | 4,807.4             | -42.9      | -385.7     | 388.0                 | 0.66                  | -0.65                |                       |
| 4,916.0             | 4.60            | 249.90      | 4,899.1             | -45.0      | -392.3     | 394.9                 | 0.67                  | 0.54                 |                       |
| 5,007.0             | 5.60            | 259.80      | 4,989.7             | -47.1      | -400.1     | 402.8                 | 1.46                  | 1.10                 |                       |
| 5,099.0             | 6.00            | 263.70      | 5,081.3             | -48.4      | -409.3     | 412.1                 | 0.61                  | 0.43                 |                       |
| 5,191.0             | 3.90            | 265.40      | 5,172.9             | -49.2      | -417.2     | 420.1                 | 2.29                  | -2.28                |                       |
| 5,282.0             | 5.00            | 260.00      | 5,263.6             | -50.1      | -424.2     | 427.1                 | 1.29                  | 1.21                 |                       |
| 5,374.0             | 4.20            | 251.10      | 5,355.3             | -51.9      | -431.3     | 434.4                 | 1.16                  | -0.87                |                       |
| 5,465.0             | 4.70            | 259.20      | 5,446.1             | -53.7      | -438.1     | 441.4                 | 0.88                  | 0.55                 |                       |
| 5,557.0             | 5.10            | 267.30      | 5,537.7             | -54.6      | -445.9     | 449.2                 | 0.87                  | 0.43                 |                       |
| 5,648.0             | 5.40            | 261.80      | 5,628.4             | -55.4      | -454.2     | 457.6                 | 0.64                  | 0.33                 |                       |
| 5,739.0             | 4.30            | 253.80      | 5,719.0             | -56.9      | -461.7     | 465.2                 | 1.42                  | -1.21                |                       |
| 5,831.0             | 3.50            | 251.70      | 5,810.8             | -58.8      | -467.7     | 471.4                 | 0.88                  | -0.87                |                       |
| 5,922.0             | 4.00            | 255.60      | 5,901.6             | -60.4      | -473.4     | 477.2                 | 0.62                  | 0.55                 |                       |
| 6,014.0             | 5.20            | 272.00      | 5,993.3             | -61.1      | -480.7     | 484.5                 | 1.92                  | 1.30                 |                       |

## Survey Report

|                  |   |                                     |                                 |
|------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well 8514B-22 N22 496           |
| <b>Project:</b>  | Story Gulch                             | <b>TVD Reference:</b>               | WELL @ 7602.0ft (Patterson 306) |
| <b>Site:</b>     | S22-T4S-R96W (N22 496) (Column Pattern) | <b>MD Reference:</b>                | WELL @ 7602.0ft (Patterson 306) |
| <b>Well:</b>     | 8514B-22 N22 496                        | <b>North Reference:</b>             | True                            |
| <b>Wellbore:</b> | DD                                      | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | FINAL                                   | <b>Database:</b>                    | USA EDM 5000 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         |
| 6,106.0             | 5.00            | 272.80      | 6,085.0             | -60.7      | -488.8     | 492.6                 | 0.23                  | -0.22                |                               |
| 6,198.0             | 4.70            | 264.60      | 6,176.6             | -60.9      | -496.6     | 500.3                 | 0.82                  | -0.33                |                               |
| 6,289.0             | 5.50            | 274.40      | 6,267.3             | -60.9      | -504.7     | 508.3                 | 1.30                  | 0.88                 |                               |
| 6,381.0             | 5.60            | 280.40      | 6,358.8             | -59.8      | -513.5     | 516.9                 | 0.64                  | 0.11                 |                               |
| 6,472.0             | 4.80            | 278.30      | 6,449.5             | -58.4      | -521.6     | 524.8                 | 0.90                  | -0.88                |                               |
| 6,564.0             | 4.40            | 275.00      | 6,541.2             | -57.6      | -528.9     | 532.0                 | 0.52                  | -0.43                |                               |
| 6,655.0             | 4.10            | 273.90      | 6,631.9             | -57.0      | -535.7     | 538.6                 | 0.34                  | -0.33                |                               |
| 6,747.0             | 4.10            | 261.20      | 6,723.7             | -57.3      | -542.2     | 545.1                 | 0.98                  | 0.00                 |                               |
| 6,838.0             | 5.60            | 262.80      | 6,814.4             | -58.4      | -549.8     | 552.8                 | 1.65                  | 1.65                 |                               |
| 6,930.0             | 6.10            | 262.20      | 6,905.9             | -59.6      | -559.1     | 562.2                 | 0.55                  | 0.54                 |                               |
| 7,021.0             | 6.00            | 258.10      | 6,996.4             | -61.2      | -568.6     | 571.8                 | 0.49                  | -0.11                |                               |
| 7,113.0             | 4.90            | 255.00      | 7,088.0             | -63.2      | -577.1     | 580.4                 | 1.24                  | -1.20                |                               |
| 7,204.0             | 4.30            | 254.70      | 7,178.7             | -65.1      | -584.1     | 587.7                 | 0.66                  | -0.66                |                               |
| 7,296.0             | 3.30            | 258.20      | 7,270.5             | -66.6      | -590.0     | 593.7                 | 1.12                  | -1.09                |                               |
| 7,347.2             | 2.24            | 267.35      | 7,321.6             | -66.9      | -592.5     | 596.2                 | 2.24                  | -2.08                | 8514B-22 N22 496 TGT (Column) |
| 7,387.0             | 1.50            | 283.10      | 7,361.4             | -66.9      | -593.7     | 597.5                 | 2.24                  | -1.85                |                               |
| 7,479.0             | 1.30            | 4.00        | 7,453.4             | -65.5      | -594.8     | 598.4                 | 1.98                  | -0.22                |                               |
| 7,571.0             | 1.00            | 25.30       | 7,545.3             | -63.8      | -594.4     | 597.8                 | 0.56                  | -0.33                |                               |
| 7,662.0             | 1.10            | 61.00       | 7,636.3             | -62.6      | -593.3     | 596.5                 | 0.72                  | 0.11                 |                               |
| 7,846.0             | 1.10            | 115.30      | 7,820.3             | -62.5      | -590.2     | 593.4                 | 0.55                  | 0.00                 |                               |
| 7,937.0             | 1.20            | 143.00      | 7,911.3             | -63.7      | -588.8     | 592.2                 | 0.61                  | 0.11                 |                               |
| 8,029.0             | 1.50            | 185.40      | 8,003.3             | -65.6      | -588.4     | 592.0                 | 1.10                  | 0.33                 |                               |
| 8,121.0             | 2.30            | 190.50      | 8,095.2             | -68.6      | -588.8     | 592.8                 | 0.89                  | 0.87                 |                               |
| 8,212.0             | 2.30            | 189.80      | 8,186.2             | -72.2      | -589.4     | 593.9                 | 0.03                  | 0.00                 |                               |
| 8,304.0             | 2.00            | 198.70      | 8,278.1             | -75.6      | -590.3     | 595.1                 | 0.49                  | -0.33                |                               |
| 8,395.0             | 1.20            | 222.50      | 8,369.1             | -77.8      | -591.4     | 596.5                 | 1.13                  | -0.88                |                               |
| 8,487.0             | 0.80            | 233.00      | 8,461.0             | -78.9      | -592.6     | 597.8                 | 0.48                  | -0.43                |                               |
| 8,578.0             | 0.80            | 252.00      | 8,552.0             | -79.5      | -593.7     | 599.0                 | 0.29                  | 0.00                 |                               |
| 8,670.0             | 1.40            | 229.60      | 8,644.0             | -80.4      | -595.2     | 600.5                 | 0.79                  | 0.65                 |                               |
| 8,762.0             | 1.10            | 223.30      | 8,736.0             | -81.8      | -596.6     | 602.2                 | 0.36                  | -0.33                |                               |
| 8,854.0             | 0.80            | 183.00      | 8,828.0             | -83.0      | -597.3     | 603.0                 | 0.77                  | -0.33                |                               |
| 8,945.0             | 0.80            | 325.70      | 8,919.0             | -83.2      | -597.7     | 603.4                 | 1.67                  | 0.00                 |                               |
| 9,037.0             | 1.10            | 336.80      | 9,011.0             | -81.8      | -598.4     | 603.9                 | 0.38                  | 0.33                 |                               |
| 9,128.0             | 1.70            | 340.10      | 9,101.9             | -79.7      | -599.2     | 604.4                 | 0.66                  | 0.66                 |                               |
| 9,220.0             | 2.60            | 9.00        | 9,193.9             | -76.4      | -599.3     | 604.2                 | 1.50                  | 0.98                 |                               |
| 9,311.0             | 2.50            | 54.40       | 9,284.8             | -73.2      | -597.4     | 601.8                 | 2.16                  | -0.11                |                               |
| 9,403.0             | 2.10            | 49.30       | 9,376.7             | -70.9      | -594.5     | 598.7                 | 0.49                  | -0.43                |                               |
| 9,495.0             | 1.20            | 62.60       | 9,468.7             | -69.4      | -592.3     | 596.4                 | 1.06                  | -0.98                |                               |
| 9,586.0             | 1.50            | 62.20       | 9,559.7             | -68.4      | -590.4     | 594.4                 | 0.33                  | 0.33                 |                               |
| 9,678.0             | 1.50            | 83.30       | 9,651.6             | -67.7      | -588.2     | 592.0                 | 0.60                  | 0.00                 |                               |
| 9,769.0             | 1.20            | 82.50       | 9,742.6             | -67.4      | -586.0     | 589.9                 | 0.33                  | -0.33                |                               |
| 9,861.0             | 2.20            | 39.60       | 9,834.6             | -65.9      | -584.0     | 587.6                 | 1.69                  | 1.09                 |                               |
| 9,953.0             | 1.50            | 28.30       | 9,926.5             | -63.5      | -582.3     | 585.7                 | 0.85                  | -0.76                |                               |
| 10,044.0            | 0.90            | 44.30       | 10,017.5            | -62.0      | -581.2     | 584.4                 | 0.75                  | -0.66                |                               |
| 10,136.0            | 0.40            | 63.90       | 10,109.5            | -61.3      | -580.4     | 583.5                 | 0.59                  | -0.54                |                               |
| 10,228.0            | 0.00            | 343.40      | 10,201.5            | -61.2      | -580.1     | 583.2                 | 0.43                  | -0.43                |                               |
| 10,319.0            | 0.50            | 262.20      | 10,292.5            | -61.2      | -580.5     | 583.6                 | 0.55                  | 0.55                 |                               |
| 10,411.0            | 0.80            | 266.80      | 10,384.5            | -61.3      | -581.6     | 584.7                 | 0.33                  | 0.33                 |                               |
| 10,503.0            | 1.40            | 244.40      | 10,476.5            | -61.8      | -583.2     | 586.4                 | 0.79                  | 0.65                 |                               |
| 10,594.0            | 2.10            | 243.80      | 10,567.4            | -63.0      | -585.7     | 589.0                 | 0.77                  | 0.77                 |                               |
| 10,686.0            | 3.10            | 232.60      | 10,659.3            | -65.3      | -589.2     | 592.7                 | 1.21                  | 1.09                 |                               |
| 10,777.0            | 3.00            | 220.80      | 10,750.2            | -68.6      | -592.7     | 596.6                 | 0.70                  | -0.11                |                               |
| 10,869.0            | 3.10            | 226.10      | 10,842.1            | -72.1      | -596.1     | 600.4                 | 0.33                  | 0.11                 |                               |

## Survey Report

|                  |   |                                     |                                 |
|------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well 8514B-22 N22 496           |
| <b>Project:</b>  | Story Gulch                             | <b>TVD Reference:</b>               | WELL @ 7602.0ft (Patterson 306) |
| <b>Site:</b>     | S22-T4S-R96W (N22 496) (Column Pattern) | <b>MD Reference:</b>                | WELL @ 7602.0ft (Patterson 306) |
| <b>Well:</b>     | 8514B-22 N22 496                        | <b>North Reference:</b>             | True                            |
| <b>Wellbore:</b> | DD                                      | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | FINAL                                   | <b>Database:</b>                    | USA EDM 5000 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             |
| 10,960.0            | 3.20            | 225.80      | 10,932.9            | -75.6      | -599.7     | 604.4                 | 0.11                  | 0.11                 |                                   |
| 11,009.0            | 3.29            | 221.18      | 10,981.9            | -77.6      | -601.6     | 606.6                 | 0.57                  | 0.19                 | 8514B-22 N22 496 PBHL (Column)    |
| 11,055.0            | 3.40            | 217.10      | 11,027.7            | -79.7      | -603.3     | 608.5                 | 0.57                  | 0.23                 | Last Cathedral Survey @ 11055' MD |

| Targets  |               |              |          |            |            |               |              |            |              |
|--|---------------|--------------|----------|------------|------------|---------------|--------------|------------|--------------|
| Target Name  | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude   | Longitude    |
| - hit/miss target  |               |              |          |            |            |               |              |            |              |
| - Shape  |               |              |          |            |            |               |              |            |              |
| 8514B-22 N22 496 TGT   | 0.00          | 0.00         | 7,322.0  | -65.4      | -583.6     | 1,684,840.32  | 2,251,658.03 | 39.6836082 | -108.1592930 |
| - actual wellpath misses target center by 9.0ft at 7347.3ft MD (7321.7 TVD, -66.9 N, -592.5 E)   |               |              |          |            |            |               |              |            |              |
| - Point  |               |              |          |            |            |               |              |            |              |
| 8514B-22 N22 496 PBH   | 0.00          | 0.00         | 10,982.0 | -75.3      | -600.6     | 1,684,830.87  | 2,251,640.77 | 39.6835809 | -108.1593533 |
| - actual wellpath misses target center by 2.5ft at 11009.0ft MD (10981.9 TVD, -77.6 N, -601.6 E) |               |              |          |            |            |               |              |            |              |
| - Rectangle (sides W30.0 H50.0 D0.0)   |               |              |          |            |            |               |              |            |              |

| Design Annotations  |                     |                   |            |                                   |
|---------------------|---------------------|-------------------|------------|-----------------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            | Comment                           |
|                     |                     | +N/-S (ft)        | +E/-W (ft) |                                   |
| 11,055.0            | 11,027.7            | -79.7             | -603.3     | Last Cathedral Survey @ 11055' MD |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_