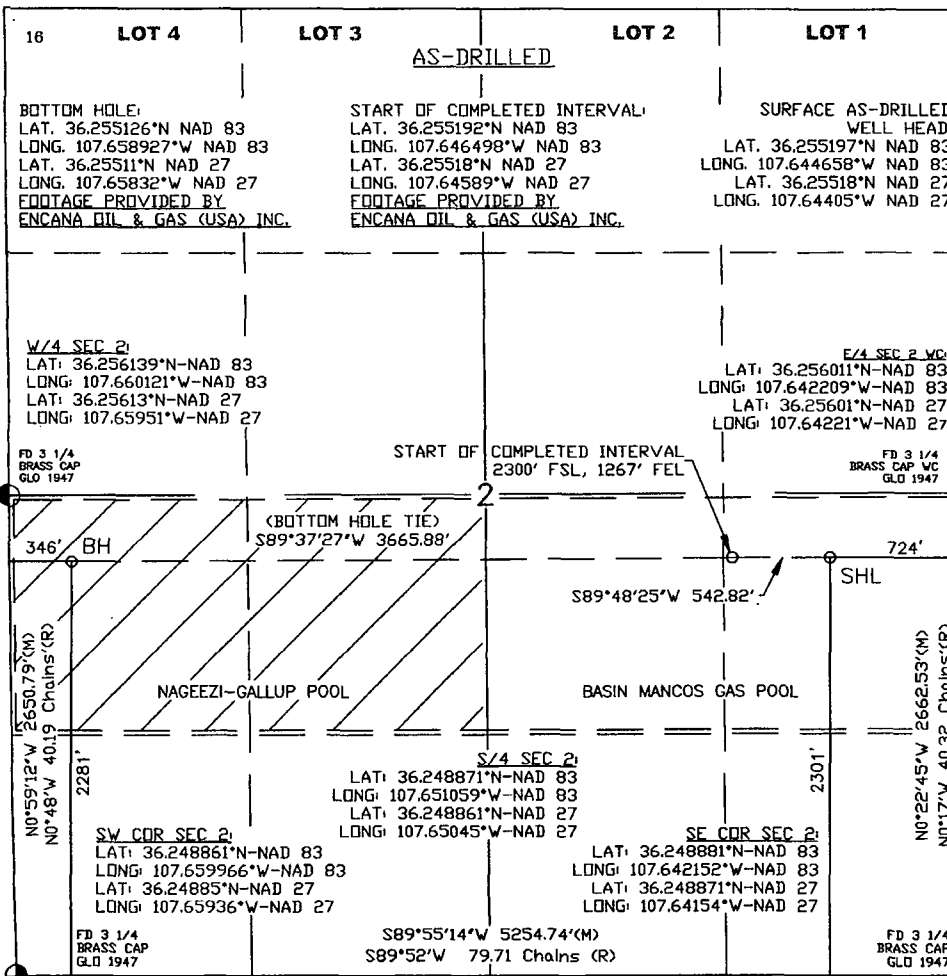




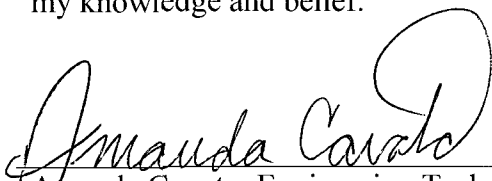
### DEVIATION SURVEYS

| MD<br>(Feet) | Inclination<br>(Degree) |
|--------------|-------------------------|
| 553.0        | 0.30                    |
| 798.0        | 0.20                    |
| 1,104.0      | 0.20                    |
| 1,288.0      | 0.40                    |
| 1,410.0      | 0.20                    |
| 1,724.0      | 0.50                    |
| 2,039.0      | 0.60                    |
| 2,353.0      | 0.70                    |
| 2,665.0      | 0.20                    |
| 2,978.0      | 0.60                    |
| 3,292.0      | 0.20                    |
| 3,607.0      | 0.60                    |
| 3,922.0      | 0.40                    |
| 4,300.0      | 1.10                    |
| 4,615.0      | 0.60                    |
| 4,886.0      | 0.40                    |

RCVD JUN 28 '13  
OIL CONS. DIV.  
DIST. 3

### OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.



Amanda Cavoto, Engineering Technologist

6/26/13

### ACKNOWLEDGMENT

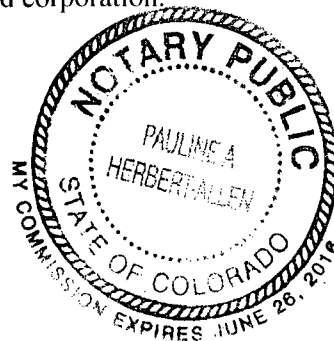
State of Colorado  
City and County of Denver

This instrument was acknowledged before me on this 26th day of June, 2013 by Amanda Cavoto as Attorney in Fact of Encana Oil & Gas (USA) Inc., on behalf of said corporation.

In witness whereof, I hereunto set my hand and official seal.

Notary Public: PAULINE A. HERBERT ALLEN  
My Commission Expires: JUN 26, 2016

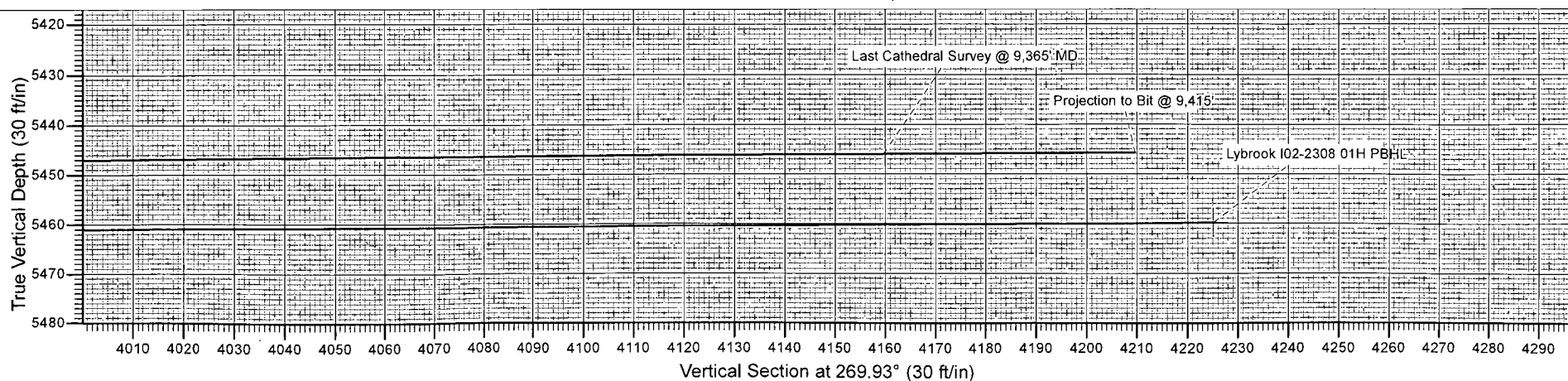
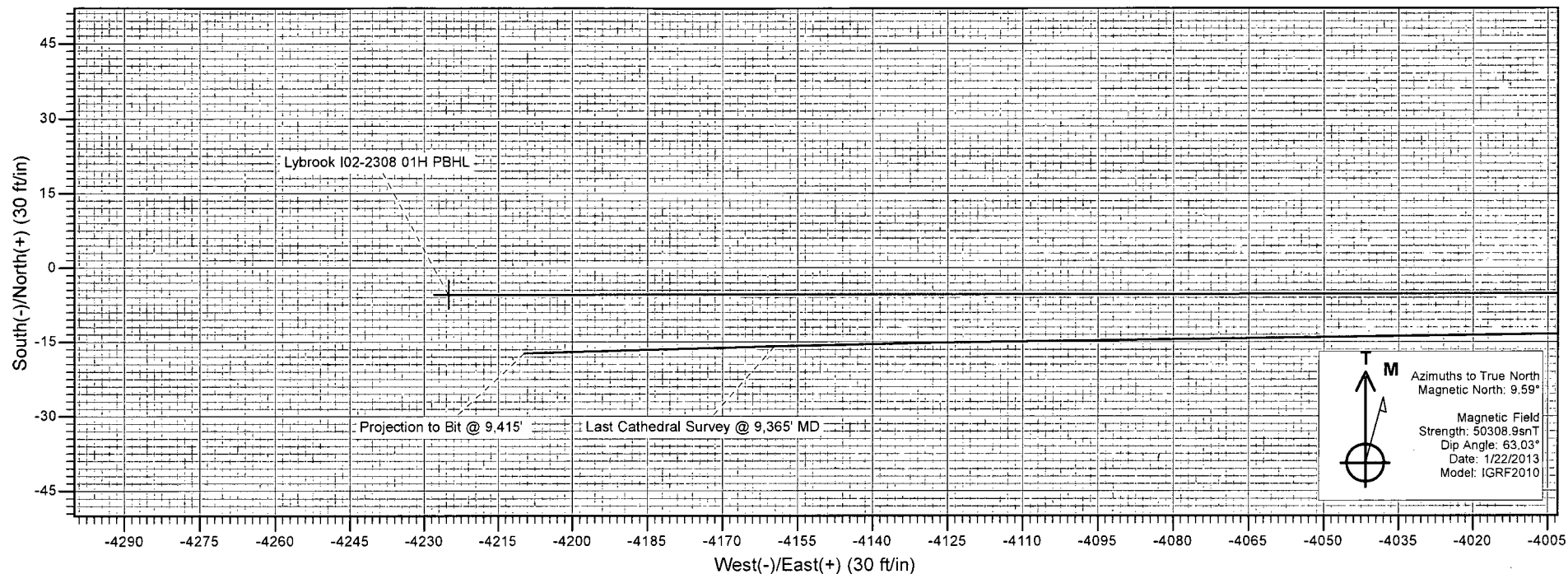
PA





Project: Sandoval County, NM  
 Site: Lybrook  
 Well: Lybrook I02-2308 01H  
 Wellbore: Hz  
 Design: FINAL

RCVD JUN 28 '13  
 OIL CONS. DIV.  
 DIST. 3  
**CATHEDRAL**



# Cathedral Energy Services

## Survey Report

|                  |                            |                                     |                             |
|------------------|----------------------------|-------------------------------------|-----------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Lybrook I02-2308 01H   |
| <b>Project:</b>  | Sandoval County, NM        | <b>TVD Reference:</b>               | KB @ 6989.0ft (Aztec)       |
| <b>Site:</b>     | Lybrook                    | <b>MD Reference:</b>                | KB @ 6989.0ft (Aztec)       |
| <b>Well:</b>     | Lybrook I02-2308 01H       | <b>North Reference:</b>             | True                        |
| <b>Wellbore:</b> | Hz                         | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Design:</b>   | FINAL                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | Sandoval County, NM       |                      |                |
| <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>   | New Mexico Central Zone   |                      |                |

|                              |          |                          |                 |
|------------------------------|----------|--------------------------|-----------------|
| <b>Site</b>                  | Lybrook  |                          |                 |
| <b>Site Position:</b>        |          | <b>Northing:</b>         | 1,882,676.45 ft |
| <b>From:</b>                 | Lat/Long | <b>Easting:</b>          | 1,287,068.90 ft |
| <b>Position Uncertainty:</b> | 0.0 ft   | <b>Slot Radius:</b>      | 13.200 in       |
|                              |          | <b>Latitude:</b>         | 36.168210       |
|                              |          | <b>Longitude:</b>        | -107.447150     |
|                              |          | <b>Grid Convergence:</b> | -0.71 °         |

|                             |                      |                            |                                  |
|-----------------------------|----------------------|----------------------------|----------------------------------|
| <b>Well</b>                 | Lybrook I02-2308 01H |                            |                                  |
| <b>Well Position</b>        | +N/-S                | 0.0 ft                     | <b>Northing:</b> 1,915,119.66 ft |
|                             | +E/-W                | 0.0 ft                     | <b>Easting:</b> 1,229,225.74 ft  |
| <b>Position Uncertainty</b> | 0.0 ft               | <b>Wellhead Elevation:</b> | ft                               |
|                             |                      | <b>Latitude:</b>           | 36.255190                        |
|                             |                      | <b>Longitude:</b>          | -107.644654                      |
|                             |                      | <b>Ground Level:</b>       | 6,973.0 ft                       |

|                  |                   |                    |                     |
|------------------|-------------------|--------------------|---------------------|
| <b>Wellbore</b>  | Hz                |                    |                     |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination</b>  |
|                  |                   |                    | (°)                 |
|                  | IGRF2010          | 1/22/2013          | 9.59                |
|                  |                   |                    | Dip Angle (°)       |
|                  |                   |                    | 63.03               |
|                  |                   |                    | Field Strength (nT) |
|                  |                   |                    | 50,309              |

|                          |                         |                      |                  |
|--------------------------|-------------------------|----------------------|------------------|
| <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>     |
|                          | (ft)                    | (ft)                 | (ft)             |
|                          | 0.0                     | 0.0                  | 0.0              |
|                          |                         |                      | <b>Direction</b> |
|                          |                         |                      | (°)              |
|                          |                         |                      | 269.93           |

|                       |                       |                          |                    |
|-----------------------|-----------------------|--------------------------|--------------------|
| <b>Survey Program</b> | <b>Date</b> 5/22/2013 |                          |                    |
| <b>From</b>           | <b>To</b>             | <b>Survey (Wellbore)</b> | <b>Tool Name</b>   |
| (ft)                  | (ft)                  |                          |                    |
| 553.0                 | 9,415.0               | Survey #1 (Hz)           | MWD                |
|                       |                       |                          | <b>Description</b> |
|                       |                       |                          | Geolink MWD        |

|                       |                    |                |                       |              |              |                         |                    |                   |                              |
|-----------------------|--------------------|----------------|-----------------------|--------------|--------------|-------------------------|--------------------|-------------------|------------------------------|
| <b>Survey</b>         |                    |                |                       |              |              |                         |                    |                   |                              |
| <b>Measured Depth</b> | <b>Inclination</b> | <b>Azimuth</b> | <b>Vertical Depth</b> | <b>+N/-S</b> | <b>+E/-W</b> | <b>Vertical Section</b> | <b>Dogleg Rate</b> | <b>Build Rate</b> | <b>Formations / Comments</b> |
| (ft)                  | (°)                | (°)            | (ft)                  | (ft)         | (ft)         | (ft)                    | (°/100ft)          | (°/100ft)         |                              |
| 0.0                   | 0.00               | 0.00           | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00               | 0.00              |                              |
| 553.0                 | 0.30               | 267.10         | 553.0                 | -0.1         | -1.4         | 1.4                     | 0.05               | 0.05              |                              |
| 615.0                 | 0.20               | 285.90         | 615.0                 | -0.1         | -1.7         | 1.7                     | 0.21               | -0.16             |                              |
| 676.0                 | 0.10               | 3.40           | 676.0                 | 0.0          | -1.8         | 1.8                     | 0.33               | -0.16             |                              |
| 737.0                 | 0.10               | 45.80          | 737.0                 | 0.1          | -1.8         | 1.8                     | 0.12               | 0.00              |                              |
| 798.0                 | 0.20               | 345.30         | 798.0                 | 0.3          | -1.8         | 1.8                     | 0.29               | 0.16              |                              |
| 859.0                 | 0.20               | 78.80          | 859.0                 | 0.4          | -1.7         | 1.7                     | 0.48               | 0.00              |                              |
| 920.0                 | 0.30               | 215.70         | 920.0                 | 0.3          | -1.7         | 1.7                     | 0.76               | 0.16              |                              |
| 981.0                 | 0.10               | 239.30         | 981.0                 | 0.1          | -1.8         | 1.8                     | 0.35               | -0.33             |                              |
| 1,043.0               | 0.40               | 273.80         | 1,043.0               | 0.1          | -2.1         | 2.1                     | 0.52               | 0.48              |                              |
| 1,104.0               | 0.20               | 312.80         | 1,104.0               | 0.2          | -2.4         | 2.4                     | 0.45               | -0.33             |                              |
| 1,165.0               | 0.10               | 262.00         | 1,165.0               | 0.3          | -2.5         | 2.5                     | 0.26               | -0.16             |                              |
| 1,226.0               | 0.20               | 279.60         | 1,226.0               | 0.3          | -2.7         | 2.7                     | 0.18               | 0.16              |                              |

# Cathedral Energy Services

## Survey Report

|                  |                            |                                     |                             |
|------------------|----------------------------|-------------------------------------|-----------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Lybrook I02-2308 01H   |
| <b>Project:</b>  | Sandoval County, NM        | <b>TVD Reference:</b>               | KB @ 6989.0ft (Aztec)       |
| <b>Site:</b>     | Lybrook                    | <b>MD Reference:</b>                | KB @ 6989.0ft (Aztec)       |
| <b>Well:</b>     | Lybrook I02-2308 01H       | <b>North Reference:</b>             | True                        |
| <b>Wellbore:</b> | Hz                         | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Design:</b>   | FINAL                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB |

| Survey                    |                    |                |                           |               |               |                             |                             |                            |                          |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|--------------------------|
| Measured<br>Depth<br>(ft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Vertical<br>Section<br>(ft) | Dogleg<br>Rate<br>(°/100ft) | Build<br>Rate<br>(°/100ft) | Formations /<br>Comments |
| 1,288.0                   | 0.40               | 279.60         | 1,288.0                   | 0.3           | -3.0          | 3.0                         | 0.32                        | 0.32                       |                          |
| 1,349.0                   | 0.50               | 273.90         | 1,349.0                   | 0.4           | -3.4          | 3.4                         | 0.18                        | 0.16                       |                          |
| 1,410.0                   | 0.20               | 14.40          | 1,410.0                   | 0.5           | -3.7          | 3.7                         | 0.94                        | -0.49                      |                          |
| 1,472.0                   | 0.30               | 26.90          | 1,472.0                   | 0.7           | -3.6          | 3.6                         | 0.18                        | 0.16                       |                          |
| 1,534.0                   | 0.40               | 43.80          | 1,534.0                   | 1.0           | -3.4          | 3.4                         | 0.23                        | 0.16                       |                          |
| 1,598.0                   | 0.30               | 352.20         | 1,598.0                   | 1.4           | -3.2          | 3.2                         | 0.50                        | -0.16                      |                          |
| 1,661.0                   | 0.40               | 326.30         | 1,661.0                   | 1.7           | -3.4          | 3.4                         | 0.29                        | 0.16                       |                          |
| 1,724.0                   | 0.50               | 287.40         | 1,724.0                   | 2.0           | -3.8          | 3.8                         | 0.50                        | 0.16                       |                          |
| 1,787.0                   | 0.30               | 298.00         | 1,787.0                   | 2.1           | -4.2          | 4.2                         | 0.34                        | -0.32                      |                          |
| 1,850.0                   | 0.50               | 96.00          | 1,850.0                   | 2.2           | -4.0          | 4.0                         | 1.25                        | 0.32                       |                          |
| 1,913.0                   | 0.90               | 108.30         | 1,913.0                   | 2.0           | -3.3          | 3.3                         | 0.67                        | 0.63                       |                          |
| 1,976.0                   | 0.70               | 103.10         | 1,976.0                   | 1.8           | -2.5          | 2.4                         | 0.34                        | -0.32                      |                          |
| 2,039.0                   | 0.60               | 90.80          | 2,039.0                   | 1.7           | -1.7          | 1.7                         | 0.27                        | -0.16                      |                          |
| 2,102.0                   | 0.60               | 137.10         | 2,102.0                   | 1.4           | -1.2          | 1.2                         | 0.75                        | 0.00                       |                          |
| 2,165.0                   | 0.80               | 153.30         | 2,165.0                   | 0.8           | -0.8          | 0.8                         | 0.44                        | 0.32                       |                          |
| 2,228.0                   | 0.80               | 135.30         | 2,228.0                   | 0.1           | -0.3          | 0.3                         | 0.40                        | 0.00                       |                          |
| 2,291.0                   | 0.80               | 141.70         | 2,290.9                   | -0.6          | 0.3           | -0.3                        | 0.14                        | 0.00                       |                          |
| 2,353.0                   | 0.70               | 155.90         | 2,352.9                   | -1.3          | 0.7           | -0.7                        | 0.34                        | -0.16                      |                          |
| 2,416.0                   | 0.90               | 169.80         | 2,415.9                   | -2.1          | 1.0           | -1.0                        | 0.44                        | 0.32                       |                          |
| 2,477.0                   | 1.10               | 157.00         | 2,476.9                   | -3.1          | 1.3           | -1.3                        | 0.49                        | 0.33                       |                          |
| 2,540.0                   | 0.60               | 177.10         | 2,539.9                   | -4.0          | 1.6           | -1.5                        | 0.91                        | -0.79                      |                          |
| 2,602.0                   | 0.30               | 340.90         | 2,601.9                   | -4.2          | 1.5           | -1.5                        | 1.44                        | -0.48                      |                          |
| 2,665.0                   | 0.20               | 332.40         | 2,664.9                   | -3.9          | 1.4           | -1.4                        | 0.17                        | -0.16                      |                          |
| 2,727.0                   | 0.20               | 312.50         | 2,726.9                   | -3.7          | 1.3           | -1.3                        | 0.11                        | 0.00                       |                          |
| 2,789.0                   | 0.30               | 175.60         | 2,788.9                   | -3.8          | 1.2           | -1.2                        | 0.75                        | 0.16                       |                          |
| 2,852.0                   | 0.20               | 310.10         | 2,851.9                   | -3.9          | 1.1           | -1.1                        | 0.73                        | -0.16                      |                          |
| 2,915.0                   | 0.60               | 287.30         | 2,914.9                   | -3.8          | 0.7           | -0.7                        | 0.67                        | 0.63                       |                          |
| 2,978.0                   | 0.60               | 249.20         | 2,977.9                   | -3.8          | 0.1           | -0.1                        | 0.62                        | 0.00                       |                          |
| 3,041.0                   | 0.50               | 300.20         | 3,040.9                   | -3.7          | -0.4          | 0.4                         | 0.77                        | -0.16                      |                          |
| 3,104.0                   | 0.30               | 296.60         | 3,103.9                   | -3.5          | -0.8          | 0.8                         | 0.32                        | -0.32                      |                          |
| 3,167.0                   | 0.30               | 342.20         | 3,166.9                   | -3.3          | -1.0          | 1.0                         | 0.37                        | 0.00                       |                          |
| 3,229.0                   | 0.20               | 263.20         | 3,228.9                   | -3.2          | -1.2          | 1.2                         | 0.53                        | -0.16                      |                          |
| 3,292.0                   | 0.20               | 78.60          | 3,291.9                   | -3.2          | -1.2          | 1.2                         | 0.63                        | 0.00                       |                          |
| 3,355.0                   | 0.30               | 44.40          | 3,354.9                   | -3.0          | -0.9          | 0.9                         | 0.28                        | 0.16                       |                          |
| 3,418.0                   | 0.40               | 120.00         | 3,417.9                   | -3.0          | -0.6          | 0.6                         | 0.69                        | 0.16                       |                          |
| 3,481.0                   | 0.00               | 0.00           | 3,480.9                   | -3.1          | -0.4          | 0.5                         | 0.63                        | -0.63                      |                          |
| 3,544.0                   | 0.30               | 305.70         | 3,543.9                   | -3.0          | -0.6          | 0.6                         | 0.48                        | 0.48                       |                          |
| 3,607.0                   | 0.60               | 216.00         | 3,606.9                   | -3.2          | -0.9          | 0.9                         | 1.06                        | 0.48                       |                          |
| 3,670.0                   | 0.40               | 225.80         | 3,669.9                   | -3.6          | -1.3          | 1.3                         | 0.34                        | -0.32                      |                          |
| 3,733.0                   | 0.30               | 289.50         | 3,732.9                   | -3.7          | -1.6          | 1.6                         | 0.60                        | -0.16                      |                          |
| 3,796.0                   | 0.50               | 345.40         | 3,795.9                   | -3.4          | -1.8          | 1.8                         | 0.66                        | 0.32                       |                          |
| 3,859.0                   | 0.60               | 306.40         | 3,858.9                   | -2.9          | -2.1          | 2.1                         | 0.60                        | 0.16                       |                          |
| 3,922.0                   | 0.40               | 299.40         | 3,921.9                   | -2.6          | -2.6          | 2.6                         | 0.33                        | -0.32                      |                          |
| 3,985.0                   | 0.40               | 313.10         | 3,984.9                   | -2.4          | -2.9          | 2.9                         | 0.15                        | 0.00                       |                          |
| 4,048.0                   | 0.20               | 26.70          | 4,047.9                   | -2.1          | -3.1          | 3.1                         | 0.62                        | -0.32                      |                          |
| 4,111.0                   | 0.70               | 96.80          | 4,110.9                   | -2.1          | -2.6          | 2.6                         | 1.05                        | 0.79                       |                          |
| 4,174.0                   | 0.90               | 103.10         | 4,173.9                   | -2.2          | -1.8          | 1.8                         | 0.35                        | 0.32                       |                          |
| 4,300.0                   | 1.10               | 108.40         | 4,299.9                   | -2.8          | 0.4           | -0.3                        | 0.17                        | 0.16                       |                          |
| 4,363.0                   | 0.90               | 133.50         | 4,362.9                   | -3.4          | 1.3           | -1.3                        | 0.76                        | -0.32                      |                          |
| 4,426.0                   | 0.30               | 126.00         | 4,425.9                   | -3.8          | 1.8           | -1.8                        | 0.96                        | -0.95                      |                          |
| 4,489.0                   | 0.50               | 203.80         | 4,488.8                   | -4.1          | 1.8           | -1.8                        | 0.83                        | 0.32                       |                          |
| 4,552.0                   | 0.80               | 210.30         | 4,551.8                   | -4.8          | 1.5           | -1.5                        | 0.49                        | 0.48                       |                          |
| 4,615.0                   | 0.60               | 201.10         | 4,614.8                   | -5.5          | 1.1           | -1.1                        | 0.36                        | -0.32                      |                          |

# Cathedral Energy Services

## Survey Report

|                  |                            |                                     |                             |
|------------------|----------------------------|-------------------------------------|-----------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Lybrook 102-2308 01H   |
| <b>Project:</b>  | Sandoval County, NM        | <b>TVD Reference:</b>               | KB @ 6989.0ft (Aztec)       |
| <b>Site:</b>     | Lybrook                    | <b>MD Reference:</b>                | KB @ 6989.0ft (Aztec)       |
| <b>Well:</b>     | Lybrook 102-2308 01H       | <b>North Reference:</b>             | True                        |
| <b>Wellbore:</b> | Hz                         | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Design:</b>   | FINAL                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB |

### Survey

| Measured<br>Depth<br>(ft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Vertical<br>Section<br>(ft) | Dogleg<br>Rate<br>(°/100ft) | Build<br>Rate<br>(°/100ft) | Formations /<br>Comments |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|--------------------------|
| 4,678.0                   | 0.30               | 212.80         | 4,677.8                   | -5.9          | 0.9           | -0.9                        | 0.50                        | -0.48                      |                          |
| 4,741.0                   | 0.20               | 225.70         | 4,740.8                   | -6.1          | 0.8           | -0.7                        | 0.18                        | -0.16                      |                          |
| 4,804.0                   | 0.30               | 280.00         | 4,803.8                   | -6.2          | 0.5           | -0.5                        | 0.39                        | 0.16                       |                          |
| 4,861.0                   | 0.30               | 189.10         | 4,860.8                   | -6.3          | 0.3           | -0.3                        | 0.75                        | 0.00                       |                          |
| 4,886.0                   | 0.40               | 199.00         | 4,885.8                   | -6.4          | 0.3           | -0.3                        | 0.47                        | 0.40                       |                          |
| 4,917.0                   | 2.30               | 271.00         | 4,916.8                   | -6.5          | -0.4          | 0.4                         | 7.13                        | 6.13                       |                          |
| 4,949.0                   | 7.30               | 279.90         | 4,948.7                   | -6.2          | -3.0          | 3.0                         | 15.75                       | 15.62                      |                          |
| 4,980.0                   | 12.20              | 281.50         | 4,979.2                   | -5.2          | -8.2          | 8.2                         | 15.83                       | 15.81                      |                          |
| 5,012.0                   | 15.60              | 278.10         | 5,010.3                   | -3.9          | -15.7         | 15.7                        | 10.92                       | 10.62                      |                          |
| 5,044.0                   | 19.30              | 273.70         | 5,040.8                   | -3.0          | -25.3         | 25.3                        | 12.27                       | 11.56                      |                          |
| 5,075.0                   | 22.90              | 270.90         | 5,069.7                   | -2.5          | -36.4         | 36.4                        | 12.06                       | 11.61                      |                          |
| 5,107.0                   | 26.00              | 270.60         | 5,098.9                   | -2.4          | -49.7         | 49.7                        | 9.70                        | 9.69                       |                          |
| 5,138.0                   | 28.40              | 272.10         | 5,126.4                   | -2.0          | -63.8         | 63.8                        | 8.05                        | 7.74                       |                          |
| 5,170.0                   | 30.90              | 271.80         | 5,154.3                   | -1.5          | -79.6         | 79.6                        | 7.83                        | 7.81                       |                          |
| 5,201.0                   | 33.00              | 270.90         | 5,180.6                   | -1.1          | -96.0         | 96.0                        | 6.95                        | 6.77                       |                          |
| 5,233.0                   | 35.10              | 268.70         | 5,207.1                   | -1.2          | -114.0        | 114.0                       | 7.61                        | 6.56                       |                          |
| 5,264.0                   | 37.10              | 268.20         | 5,232.1                   | -1.7          | -132.2        | 132.2                       | 6.52                        | 6.45                       |                          |
| 5,296.0                   | 39.40              | 268.80         | 5,257.2                   | -2.2          | -152.0        | 152.0                       | 7.28                        | 7.19                       |                          |
| 5,327.0                   | 42.50              | 270.10         | 5,280.7                   | -2.4          | -172.3        | 172.3                       | 10.37                       | 10.00                      |                          |
| 5,359.0                   | 45.20              | 271.30         | 5,303.7                   | -2.1          | -194.5        | 194.5                       | 8.83                        | 8.44                       |                          |
| 5,390.0                   | 48.20              | 271.60         | 5,325.0                   | -1.5          | -217.0        | 217.0                       | 9.70                        | 9.68                       |                          |
| 5,421.0                   | 51.70              | 271.30         | 5,344.9                   | -0.9          | -240.8        | 240.8                       | 11.31                       | 11.29                      |                          |
| 5,452.0                   | 55.90              | 271.30         | 5,363.2                   | -0.4          | -265.8        | 265.8                       | 13.55                       | 13.55                      |                          |
| 5,484.0                   | 59.70              | 271.70         | 5,380.3                   | 0.4           | -292.8        | 292.8                       | 11.92                       | 11.87                      |                          |
| 5,515.0                   | 63.30              | 270.80         | 5,395.1                   | 0.9           | -320.1        | 320.1                       | 11.89                       | 11.61                      |                          |
| 5,547.0                   | 66.60              | 270.20         | 5,408.6                   | 1.2           | -349.0        | 349.0                       | 10.45                       | 10.31                      |                          |
| 5,578.0                   | 69.80              | 270.00         | 5,420.1                   | 1.3           | -377.8        | 377.8                       | 10.34                       | 10.32                      |                          |
| 5,610.0                   | 73.10              | 269.60         | 5,430.3                   | 1.1           | -408.2        | 408.2                       | 10.38                       | 10.31                      |                          |
| 5,641.0                   | 75.90              | 269.90         | 5,438.6                   | 1.0           | -438.0        | 438.0                       | 9.08                        | 9.03                       |                          |
| 5,664.0                   | 78.10              | 269.70         | 5,443.8                   | 0.9           | -460.4        | 460.4                       | 9.60                        | 9.57                       |                          |
| 5,688.0                   | 79.80              | 270.70         | 5,448.4                   | 1.0           | -484.0        | 484.0                       | 8.18                        | 7.08                       |                          |
| 5,719.0                   | 82.00              | 270.70         | 5,453.3                   | 1.4           | -514.6        | 514.6                       | 7.10                        | 7.10                       |                          |
| 5,749.0                   | 83.30              | 271.20         | 5,457.1                   | 1.9           | -544.3        | 544.3                       | 4.64                        | 4.33                       |                          |
| 5,780.0                   | 85.20              | 270.90         | 5,460.2                   | 2.5           | -575.2        | 575.2                       | 6.20                        | 6.13                       |                          |
| 5,810.0                   | 86.80              | 271.40         | 5,462.3                   | 3.1           | -605.1        | 605.1                       | 5.59                        | 5.33                       |                          |
| 5,841.0                   | 88.50              | 271.00         | 5,463.6                   | 3.7           | -636.1        | 636.1                       | 5.63                        | 5.48                       |                          |
| 5,871.0                   | 89.00              | 270.20         | 5,464.2                   | 4.0           | -666.1        | 666.1                       | 3.14                        | 1.67                       |                          |
| 5,902.0                   | 89.70              | 269.40         | 5,464.6                   | 3.9           | -697.1        | 697.1                       | 3.43                        | 2.26                       |                          |
| 5,933.0                   | 89.90              | 269.30         | 5,464.7                   | 3.6           | -728.1        | 728.1                       | 0.72                        | 0.65                       |                          |
| 5,994.0                   | 90.30              | 268.50         | 5,464.6                   | 2.4           | -789.0        | 789.0                       | 1.47                        | 0.66                       |                          |
| 6,057.0                   | 90.20              | 269.30         | 5,464.3                   | 1.2           | -852.0        | 852.0                       | 1.28                        | -0.16                      |                          |
| 6,120.0                   | 90.30              | 268.60         | 5,464.0                   | 0.0           | -915.0        | 915.0                       | 1.12                        | 0.16                       |                          |
| 6,183.0                   | 90.40              | 269.20         | 5,463.7                   | -1.2          | -978.0        | 978.0                       | 0.97                        | 0.16                       |                          |
| 6,246.0                   | 90.60              | 269.40         | 5,463.1                   | -2.0          | -1,041.0      | 1,041.0                     | 0.45                        | 0.32                       |                          |
| 6,309.0                   | 90.30              | 269.80         | 5,462.6                   | -2.4          | -1,104.0      | 1,104.0                     | 0.79                        | -0.48                      |                          |
| 6,372.0                   | 90.40              | 269.30         | 5,462.2                   | -2.9          | -1,167.0      | 1,167.0                     | 0.81                        | 0.16                       |                          |
| 6,435.0                   | 90.80              | 268.30         | 5,461.6                   | -4.2          | -1,230.0      | 1,230.0                     | 1.71                        | 0.63                       |                          |
| 6,498.0                   | 90.00              | 267.90         | 5,461.1                   | -6.3          | -1,292.9      | 1,292.9                     | 1.42                        | -1.27                      |                          |
| 6,561.0                   | 90.10              | 268.20         | 5,461.1                   | -8.4          | -1,355.9      | 1,355.9                     | 0.50                        | 0.16                       |                          |
| 6,624.0                   | 90.50              | 268.90         | 5,460.7                   | -10.0         | -1,418.9      | 1,418.9                     | 1.28                        | 0.63                       |                          |
| 6,687.0                   | 90.90              | 270.20         | 5,460.0                   | -10.5         | -1,481.9      | 1,481.9                     | 2.16                        | 0.63                       |                          |
| 6,750.0                   | 90.70              | 270.20         | 5,459.1                   | -10.3         | -1,544.9      | 1,544.9                     | 0.32                        | -0.32                      |                          |
| 6,813.0                   | 90.30              | 270.80         | 5,458.5                   | -9.8          | -1,607.9      | 1,607.9                     | 1.14                        | -0.63                      |                          |

# Cathedral Energy Services

## Survey Report

|                  |                            |                                     |                             |
|------------------|----------------------------|-------------------------------------|-----------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Lybrook I02-2308 01H   |
| <b>Project:</b>  | Sandoval County, NM        | <b>TVD Reference:</b>               | KB @ 6989.0ft (Aztec)       |
| <b>Site:</b>     | Lybrook                    | <b>MD Reference:</b>                | KB @ 6989.0ft (Aztec)       |
| <b>Well:</b>     | Lybrook I02-2308 01H       | <b>North Reference:</b>             | True                        |
| <b>Wellbore:</b> | Hz                         | <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             |
| 6,876.0             | 90.30           | 271.20      | 5,458.2             | -8.7       | -1,670.8   | 1,670.9               | 0.63                  | 0.00                 |                                   |
| 6,939.0             | 89.80           | 271.00      | 5,458.2             | -7.5       | -1,733.8   | 1,733.8               | 0.85                  | -0.79                |                                   |
| 7,002.0             | 90.30           | 271.10      | 5,458.1             | -6.3       | -1,796.8   | 1,796.8               | 0.81                  | 0.79                 |                                   |
| 7,065.0             | 90.50           | 271.20      | 5,457.7             | -5.0       | -1,859.8   | 1,859.8               | 0.35                  | 0.32                 |                                   |
| 7,129.0             | 90.00           | 270.40      | 5,457.4             | -4.1       | -1,923.8   | 1,923.8               | 1.47                  | -0.78                |                                   |
| 7,192.0             | 89.70           | 270.60      | 5,457.5             | -3.6       | -1,986.8   | 1,986.8               | 0.57                  | -0.48                |                                   |
| 7,255.0             | 90.00           | 270.10      | 5,457.7             | -3.2       | -2,049.8   | 2,049.8               | 0.93                  | 0.48                 |                                   |
| 7,317.0             | 90.60           | 269.80      | 5,457.4             | -3.3       | -2,111.8   | 2,111.8               | 1.08                  | 0.97                 |                                   |
| 7,380.0             | 90.20           | 269.60      | 5,456.9             | -3.6       | -2,174.8   | 2,174.8               | 0.71                  | -0.63                |                                   |
| 7,443.0             | 90.50           | 269.40      | 5,456.6             | -4.1       | -2,237.8   | 2,237.8               | 0.57                  | 0.48                 |                                   |
| 7,506.0             | 90.10           | 269.20      | 5,456.2             | -4.9       | -2,300.8   | 2,300.8               | 0.71                  | -0.63                |                                   |
| 7,569.0             | 90.60           | 268.60      | 5,455.8             | -6.1       | -2,363.8   | 2,363.8               | 1.24                  | 0.79                 |                                   |
| 7,632.0             | 90.30           | 269.20      | 5,455.4             | -7.3       | -2,426.8   | 2,426.8               | 1.06                  | -0.48                |                                   |
| 7,695.0             | 89.70           | 269.10      | 5,455.4             | -8.3       | -2,489.8   | 2,489.8               | 0.97                  | -0.95                |                                   |
| 7,758.0             | 90.10           | 270.20      | 5,455.5             | -8.7       | -2,552.8   | 2,552.8               | 1.86                  | 0.63                 |                                   |
| 7,820.0             | 91.00           | 270.70      | 5,454.9             | -8.2       | -2,614.7   | 2,614.8               | 1.66                  | 1.45                 |                                   |
| 7,883.0             | 90.30           | 269.80      | 5,454.2             | -7.9       | -2,677.7   | 2,677.7               | 1.81                  | -1.11                |                                   |
| 7,946.0             | 90.20           | 270.30      | 5,453.9             | -7.8       | -2,740.7   | 2,740.7               | 0.81                  | -0.16                |                                   |
| 8,009.0             | 90.70           | 269.70      | 5,453.4             | -7.8       | -2,803.7   | 2,803.7               | 1.24                  | 0.79                 |                                   |
| 8,072.0             | 89.80           | 269.00      | 5,453.1             | -8.5       | -2,866.7   | 2,866.7               | 1.81                  | -1.43                |                                   |
| 8,135.0             | 90.00           | 268.80      | 5,453.2             | -9.8       | -2,929.7   | 2,929.7               | 0.45                  | 0.32                 |                                   |
| 8,198.0             | 90.10           | 269.80      | 5,453.2             | -10.5      | -2,992.7   | 2,992.7               | 1.60                  | 0.16                 |                                   |
| 8,261.0             | 90.40           | 268.70      | 5,452.9             | -11.4      | -3,055.7   | 3,055.7               | 1.81                  | 0.48                 |                                   |
| 8,324.0             | 90.40           | 270.00      | 5,452.4             | -12.1      | -3,118.7   | 3,118.7               | 2.06                  | 0.00                 |                                   |
| 8,387.0             | 90.40           | 270.60      | 5,452.0             | -11.7      | -3,181.7   | 3,181.7               | 0.95                  | 0.00                 |                                   |
| 8,450.0             | 90.50           | 270.90      | 5,451.5             | -10.9      | -3,244.7   | 3,244.7               | 0.50                  | 0.16                 |                                   |
| 8,512.0             | 89.90           | 270.50      | 5,451.3             | -10.2      | -3,306.7   | 3,306.7               | 1.16                  | -0.97                |                                   |
| 8,575.0             | 90.50           | 269.70      | 5,451.1             | -10.0      | -3,369.7   | 3,369.7               | 1.59                  | 0.95                 |                                   |
| 8,638.0             | 91.10           | 269.60      | 5,450.2             | -10.4      | -3,432.7   | 3,432.7               | 0.97                  | 0.95                 |                                   |
| 8,701.0             | 90.50           | 269.10      | 5,449.3             | -11.1      | -3,495.7   | 3,495.7               | 1.24                  | -0.95                |                                   |
| 8,764.0             | 90.50           | 269.20      | 5,448.8             | -12.1      | -3,558.7   | 3,558.7               | 0.16                  | 0.00                 |                                   |
| 8,827.0             | 90.00           | 269.50      | 5,448.5             | -12.8      | -3,621.6   | 3,621.7               | 0.93                  | -0.79                |                                   |
| 8,890.0             | 89.50           | 270.20      | 5,448.8             | -13.0      | -3,684.6   | 3,684.7               | 1.37                  | -0.79                |                                   |
| 8,952.0             | 90.00           | 270.20      | 5,449.0             | -12.7      | -3,746.6   | 3,746.7               | 0.81                  | 0.81                 |                                   |
| 9,015.0             | 90.20           | 270.20      | 5,448.9             | -12.5      | -3,809.6   | 3,809.7               | 0.32                  | 0.32                 |                                   |
| 9,078.0             | 90.50           | 269.50      | 5,448.5             | -12.7      | -3,872.6   | 3,872.7               | 1.21                  | 0.48                 |                                   |
| 9,141.0             | 90.60           | 270.00      | 5,447.9             | -13.0      | -3,935.6   | 3,935.7               | 0.81                  | 0.16                 |                                   |
| 9,204.0             | 90.80           | 269.20      | 5,447.2             | -13.4      | -3,998.6   | 3,998.6               | 1.31                  | 0.32                 |                                   |
| 9,267.0             | 90.30           | 269.20      | 5,446.6             | -14.3      | -4,061.6   | 4,061.6               | 0.79                  | -0.79                |                                   |
| 9,329.0             | 90.30           | 269.10      | 5,446.2             | -15.2      | -4,123.6   | 4,123.6               | 0.16                  | 0.00                 |                                   |
| 9,365.0             | 90.30           | 268.40      | 5,446.1             | -16.0      | -4,159.6   | 4,159.6               | 1.94                  | 0.00                 | Last Cathedral Survey @ 9,365' MD |
| 9,415.0             | 90.30           | 268.40      | 5,445.8             | -17.4      | -4,209.6   | 4,209.6               | 0.00                  | 0.00                 | Projection to Bit @ 9,415'        |

# Cathedral Energy Services

## Survey Report

|                  |                            |                                     |                             |
|------------------|----------------------------|-------------------------------------|-----------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Lybrook I02-2308 01H   |
| <b>Project:</b>  | Sandoval County, NM        | <b>TVD Reference:</b>               | KB @ 6989.0ft (Aztec)       |
| <b>Site:</b>     | Lybrook                    | <b>MD Reference:</b>                | KB @ 6989.0ft (Aztec)       |
| <b>Well:</b>     | Lybrook I02-2308 01H       | <b>North Reference:</b>             | True                        |
| <b>Wellbore:</b> | Hz                         | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Design:</b>   | FINAL                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB |

| 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)         |           |             |
| Lybrook I02-2308 01H P                                                                           | 0.00      | 0.00     | 5,459.9 | -5.5  | -4,225.1 | 1,915,174.97 | 1,225,000.99 | 36.255174 | -107.658982 |
| - actual wellpath misses target center by 24.1ft at 9415.0ft MD (5445.8 TVD, -17.4 N, -4209.6 E) |           |          |         |       |          |              |              |           |             |
| - Point                                                                                          |           |          |         |       |          |              |              |           |             |

| Design Annotations |                |                   |            |                                   |
|--------------------|----------------|-------------------|------------|-----------------------------------|
| Measured Depth     | Vertical Depth | Local Coordinates |            | Comment                           |
| (ft)               | (ft)           | +N/-S (ft)        | +E/-W (ft) |                                   |
| 9,365.0            | 5,446.1        | -16.0             | -4,159.6   | Last Cathedral Survey @ 9,365' MD |
| 9,415.0            | 5,445.8        | -17.4             | -4,209.6   | Projection to Bit @ 9,415'        |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|