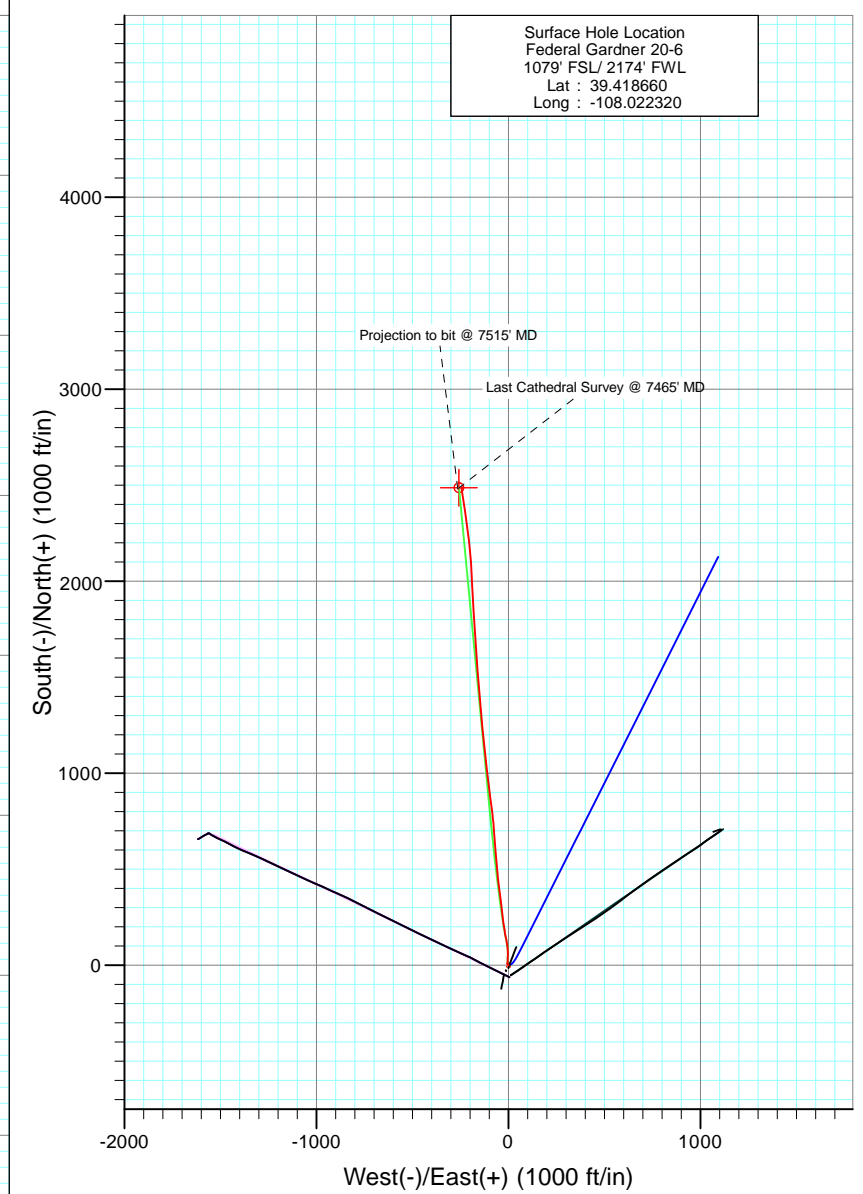
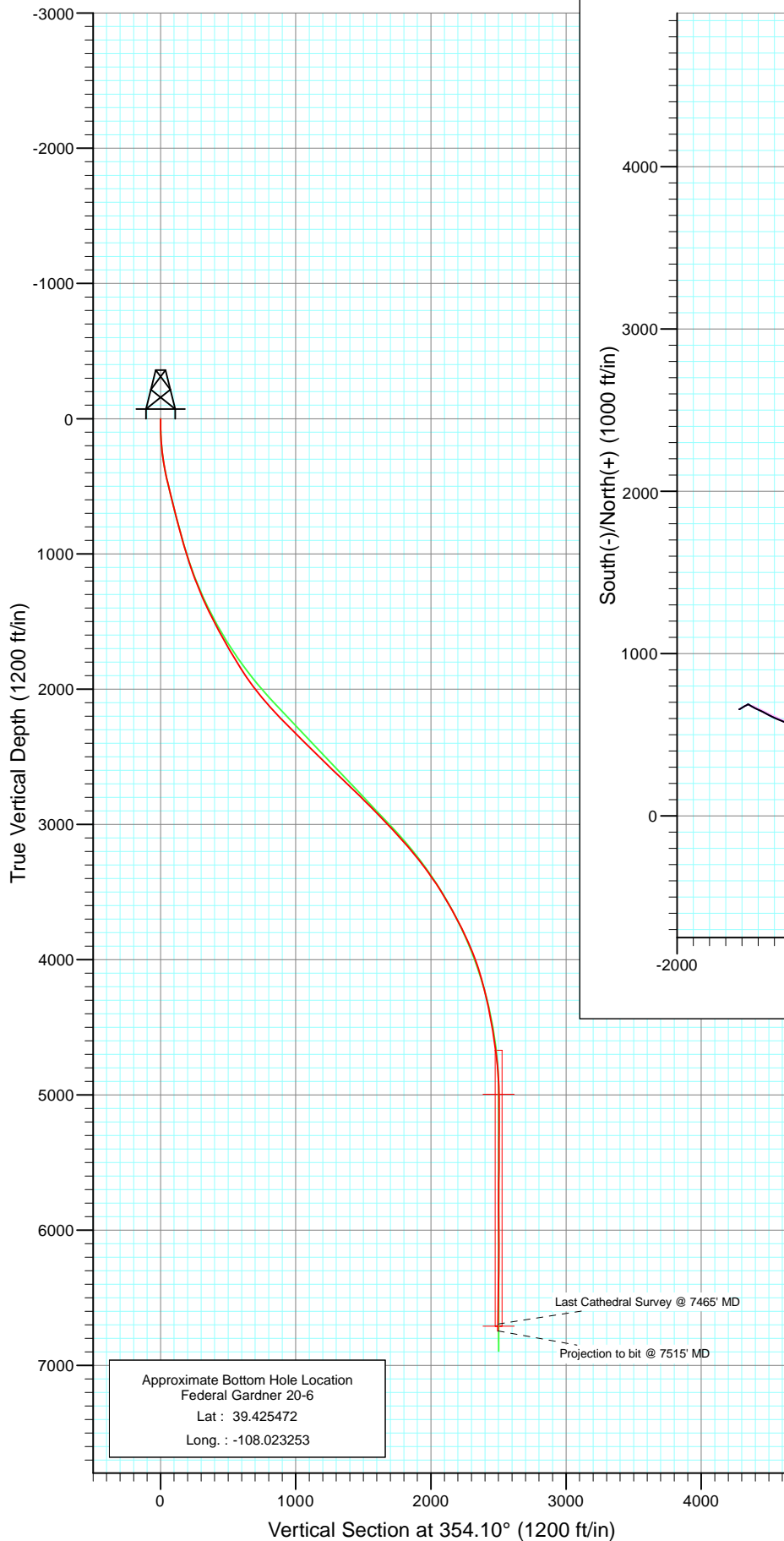




Project: S. Piceance  
 Site: SESW Sec20-T7S-R95W (PN-20-7-95)  
 Well: Federal Gardner 20-6  
 Wellbore: Final  
 Design: DD



Azimuths to True North  
 Magnetic North: 10.44°

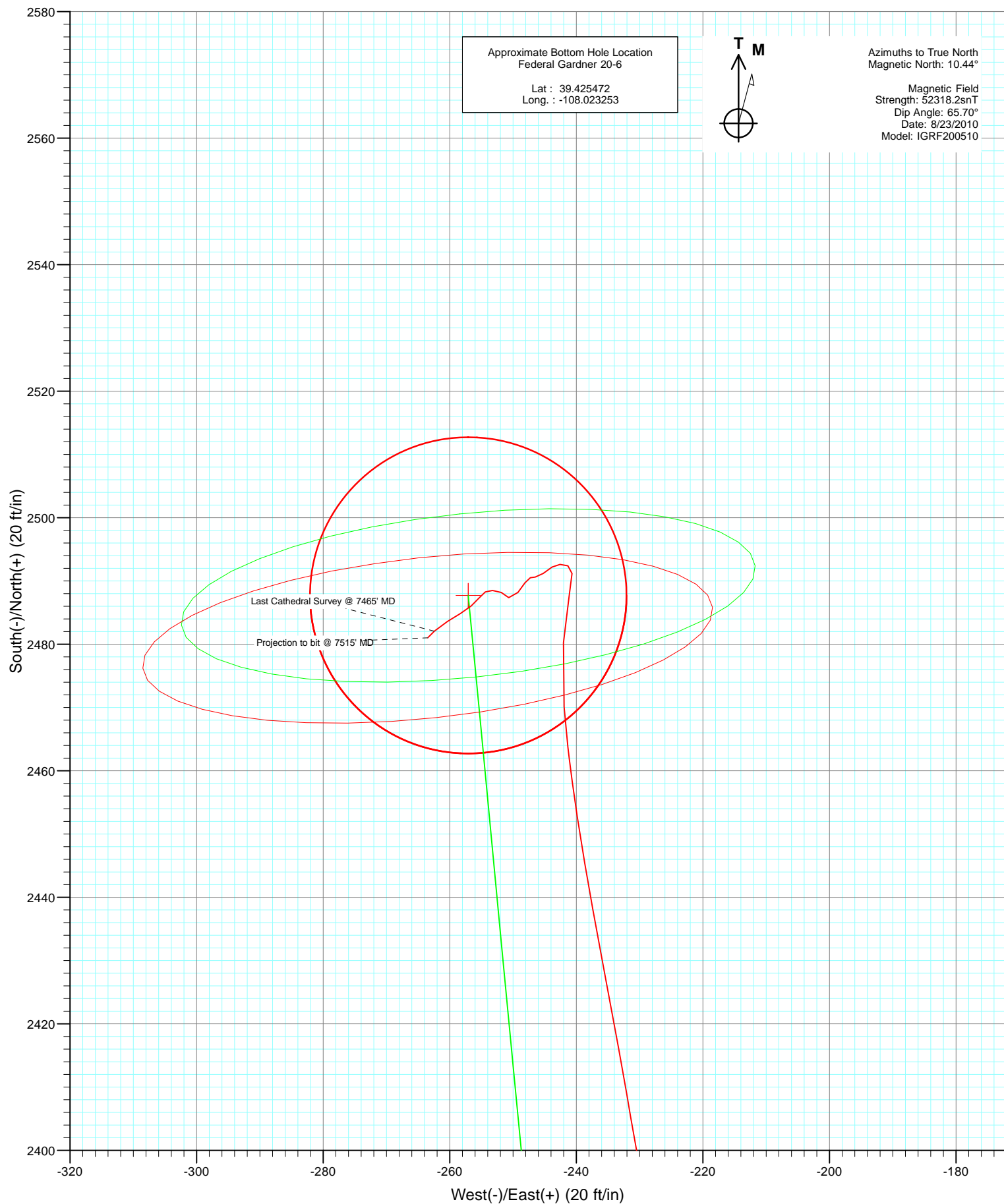
Magnetic Field  
 Strength: 52318.2nT  
 Dip Angle: 65.70°  
 Date: 8/23/2010  
 Model: IGRF200510

DESIGN DETAILS: DD  
 Job #105347 (SH) 105356 (MH): KR  
 KBE2 @ 5804.0ft (Nabors M11)

| Target                   | Azimuth | Origin | N/S | E/W | From TVD |
|--------------------------|---------|--------|-----|-----|----------|
| Federal Gardner 20-6 BHL | 354.10  | Slot   | 0.0 | 0.0 | 0.0      |

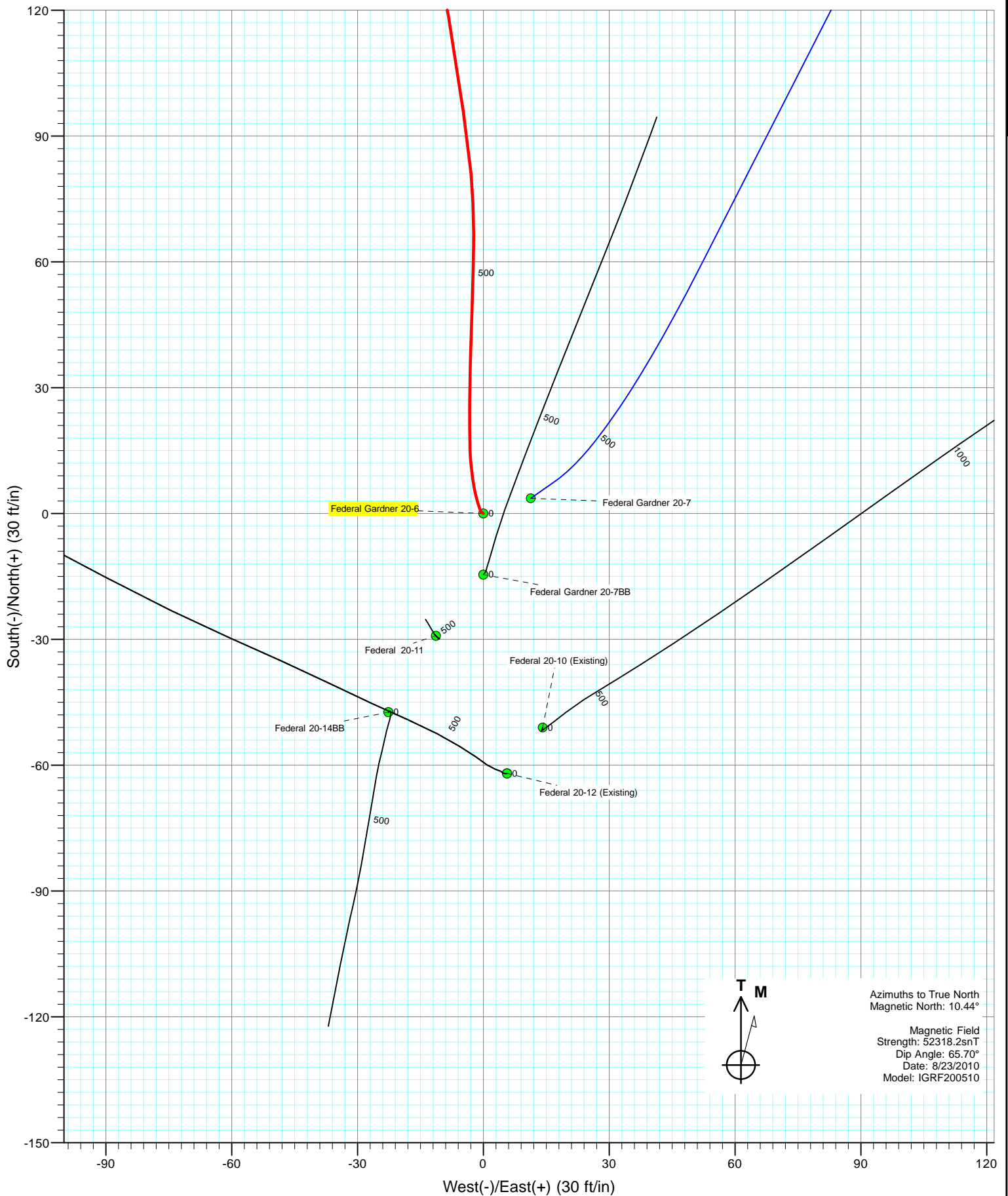


Project: S. Piceance  
Site: SESW Sec20-T7S-R95W (PN-20-7-95)  
Well: Federal Gardner 20-6  
Design: DD





Project: S. Piceance  
Site: SESW Sec20-T7S-R95W (PN-20-7-95)  
Well: Federal Gardner 20-6  
Design: DD



# Cathedral Energy Services

## Survey Report

|                  |                                  |                                     |                              |
|------------------|----------------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc       | <b>Local Co-ordinate Reference:</b> | Well Federal Gardner 20-6    |
| <b>Project:</b>  | S. Piceance                      | <b>TVD Reference:</b>               | KBE2 @ 5804.0ft (Nabors M11) |
| <b>Site:</b>     | SESW Sec20-T7S-R95W (PN-20-7-95) | <b>MD Reference:</b>                | KBE2 @ 5804.0ft (Nabors M11) |
| <b>Well:</b>     | Federal Gardner 20-6             | <b>North Reference:</b>             | True                         |
| <b>Wellbore:</b> | Final                            | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | DD                               | <b>Database:</b>                    | EDM 5000.1 US Multi Users DB |

|                    |                                  |                      |                |
|--------------------|----------------------------------|----------------------|----------------|
| <b>Project</b>     | S. Piceance, Garfield County, CO |                      |                |
| <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            |                      |                |

|                              |                                  |                     |                 |                                  |
|------------------------------|----------------------------------|---------------------|-----------------|----------------------------------|
| <b>Site</b>                  | SESW Sec20-T7S-R95W (PN-20-7-95) |                     |                 |                                  |
| <b>Site Position:</b>        |                                  | <b>Northing:</b>    | 1,587,275.03 ft | <b>Latitude:</b> 39.418670       |
| <b>From:</b>                 | Lat/Long                         | <b>Easting:</b>     | 2,287,525.50 ft | <b>Longitude:</b> -108.022280    |
| <b>Position Uncertainty:</b> | 0.0 ft                           | <b>Slot Radius:</b> | 13.200 in       | <b>Grid Convergence:</b> -1.59 ° |

|                             |                      |                            |                  |                                 |
|-----------------------------|----------------------|----------------------------|------------------|---------------------------------|
| <b>Well</b>                 | Federal Gardner 20-6 |                            |                  |                                 |
| <b>Well Position</b>        | <b>+N/-S</b>         | 0.0 ft                     | <b>Northing:</b> | 1,587,271.69 ft                 |
|                             | <b>+E/-W</b>         | 0.0 ft                     | <b>Easting:</b>  | 2,287,514.10 ft                 |
| <b>Position Uncertainty</b> | 0.0 ft               | <b>Wellhead Elevation:</b> | ft               | <b>Ground Level:</b> 5,782.0 ft |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Final             |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF200510        | 8/23/2010          | 10.44                  | 65.70                | 52,318                     |

|                          |                         |                   |                   |                          |
|--------------------------|-------------------------|-------------------|-------------------|--------------------------|
| <b>Design</b>            | DD                      |                   |                   |                          |
| <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 (ft)</b> | <b>+E/-W (ft)</b> | <b>Direction (°)</b>     |
|                          | 0.0                     | 0.0               | 0.0               | 354.10                   |

|                       |                |                          |                  |                    |
|-----------------------|----------------|--------------------------|------------------|--------------------|
| <b>Survey Program</b> | <b>Date</b>    | 8/30/2010                |                  |                    |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |
| 81.0                  | 7,515.0        | Survey #1 (Final)        | 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                        |                              |
| 81.0                       | 0.80                   | 308.00             | 81.0                       | 0.3               | -0.4              | 0.4                          | 0.99                         | 0.99                        |                              |
| 111.0                      | 1.90                   | 336.00             | 111.0                      | 0.9               | -0.8              | 1.0                          | 4.17                         | 3.67                        |                              |
| 142.0                      | 3.40                   | 346.00             | 142.0                      | 2.3               | -1.2              | 2.4                          | 5.05                         | 4.84                        |                              |
| 172.0                      | 4.70                   | 345.80             | 171.9                      | 4.3               | -1.8              | 4.5                          | 4.33                         | 4.33                        |                              |
| 203.0                      | 5.10                   | 349.50             | 202.8                      | 6.9               | -2.3              | 7.1                          | 1.64                         | 1.29                        |                              |
| 233.0                      | 6.30                   | 353.50             | 232.6                      | 9.9               | -2.8              | 10.1                         | 4.21                         | 4.00                        |                              |
| 263.0                      | 6.90                   | 355.80             | 262.4                      | 13.3              | -3.1              | 13.6                         | 2.19                         | 2.00                        |                              |
| 294.0                      | 8.00                   | 0.30               | 293.2                      | 17.3              | -3.2              | 17.6                         | 4.01                         | 3.55                        |                              |
| 325.0                      | 9.40                   | 359.00             | 323.8                      | 22.0              | -3.2              | 22.2                         | 4.56                         | 4.52                        |                              |
| 356.0                      | 10.60                  | 0.70               | 354.3                      | 27.4              | -3.2              | 27.6                         | 3.99                         | 3.87                        |                              |
| 386.0                      | 11.20                  | 0.70               | 383.8                      | 33.1              | -3.2              | 33.2                         | 2.00                         | 2.00                        |                              |
| 417.0                      | 12.30                  | 1.90               | 414.1                      | 39.4              | -3.0              | 39.5                         | 3.63                         | 3.55                        |                              |

# Cathedral Energy Services

## Survey Report

|                  |                                  |                                     |                              |
|------------------|----------------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc       | <b>Local Co-ordinate Reference:</b> | Well Federal Gardner 20-6    |
| <b>Project:</b>  | S. Piceance                      | <b>TVD Reference:</b>               | KBE2 @ 5804.0ft (Nabors M11) |
| <b>Site:</b>     | SESW Sec20-T7S-R95W (PN-20-7-95) | <b>MD Reference:</b>                | KBE2 @ 5804.0ft (Nabors M11) |
| <b>Well:</b>     | Federal Gardner 20-6             | <b>North Reference:</b>             | True                         |
| <b>Wellbore:</b> | Final                            | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | DD                               | <b>Database:</b>                    | EDM 5000.1 US Multi Users DB |

### Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Formations / Comments |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------|
| 447.0               | 12.90           | 2.10        | 443.4               | 45.9       | -2.8       | 46.0                  | 2.01                  | 2.00                 |                       |
| 478.0               | 12.70           | 1.60        | 473.6               | 52.8       | -2.6       | 52.8                  | 0.74                  | -0.65                |                       |
| 508.0               | 13.50           | 1.93        | 502.9               | 59.6       | -2.4       | 59.5                  | 2.68                  | 2.67                 |                       |
| 539.0               | 13.30           | 358.90      | 533.0               | 66.8       | -2.3       | 66.6                  | 2.35                  | -0.65                |                       |
| 570.0               | 13.60           | 358.20      | 563.2               | 74.0       | -2.5       | 73.8                  | 1.10                  | 0.97                 |                       |
| 600.0               | 13.90           | 354.50      | 592.3               | 81.1       | -2.9       | 81.0                  | 3.10                  | 1.00                 |                       |
| 661.0               | 14.10           | 351.40      | 651.5               | 95.7       | -4.8       | 95.7                  | 1.27                  | 0.33                 |                       |
| 752.0               | 15.50           | 350.90      | 739.5               | 118.7      | -8.3       | 118.9                 | 1.54                  | 1.54                 |                       |
| 785.0               | 15.20           | 348.80      | 771.3               | 127.3      | -9.9       | 127.6                 | 1.91                  | -0.91                |                       |
| 873.0               | 14.80           | 349.00      | 856.3               | 149.6      | -14.3      | 150.3                 | 0.46                  | -0.45                |                       |
| 935.0               | 15.50           | 350.30      | 916.1               | 165.6      | -17.2      | 166.5                 | 1.25                  | 1.13                 |                       |
| 997.0               | 16.40           | 351.50      | 975.8               | 182.4      | -19.9      | 183.5                 | 1.55                  | 1.45                 |                       |
| 1,061.0             | 18.30           | 351.20      | 1,036.8             | 201.3      | -22.7      | 202.5                 | 2.97                  | 2.97                 |                       |
| 1,125.0             | 19.10           | 352.80      | 1,097.5             | 221.6      | -25.6      | 223.0                 | 1.48                  | 1.25                 |                       |
| 1,189.0             | 20.40           | 353.50      | 1,157.7             | 243.1      | -28.2      | 244.7                 | 2.06                  | 2.03                 |                       |
| 1,252.0             | 21.40           | 353.80      | 1,216.6             | 265.4      | -30.6      | 267.1                 | 1.60                  | 1.59                 |                       |
| 1,316.0             | 22.40           | 353.20      | 1,275.9             | 289.1      | -33.3      | 291.0                 | 1.60                  | 1.56                 |                       |
| 1,380.0             | 23.10           | 353.70      | 1,335.0             | 313.7      | -36.2      | 315.8                 | 1.13                  | 1.09                 |                       |
| 1,444.0             | 25.30           | 351.60      | 1,393.3             | 339.7      | -39.5      | 342.0                 | 3.69                  | 3.44                 |                       |
| 1,507.0             | 26.80           | 350.90      | 1,449.9             | 367.1      | -43.8      | 369.6                 | 2.43                  | 2.38                 |                       |
| 1,571.0             | 27.60           | 353.40      | 1,506.9             | 396.0      | -47.7      | 398.8                 | 2.18                  | 1.25                 |                       |
| 1,635.0             | 27.90           | 354.20      | 1,563.5             | 425.7      | -51.0      | 428.6                 | 0.75                  | 0.47                 |                       |
| 1,699.0             | 29.00           | 353.10      | 1,619.8             | 456.0      | -54.3      | 459.1                 | 1.90                  | 1.72                 |                       |
| 1,762.0             | 29.70           | 354.80      | 1,674.7             | 486.7      | -57.6      | 490.0                 | 1.73                  | 1.11                 |                       |
| 1,826.0             | 30.10           | 356.00      | 1,730.2             | 518.5      | -60.1      | 521.9                 | 1.12                  | 0.62                 |                       |
| 1,890.0             | 31.40           | 356.00      | 1,785.2             | 551.1      | -62.4      | 554.6                 | 2.03                  | 2.03                 |                       |
| 1,954.0             | 32.20           | 355.40      | 1,839.6             | 584.7      | -65.0      | 588.3                 | 1.34                  | 1.25                 |                       |
| 2,018.0             | 33.70           | 354.50      | 1,893.3             | 619.4      | -68.0      | 623.1                 | 2.47                  | 2.34                 |                       |
| 2,082.0             | 35.90           | 355.90      | 1,945.8             | 655.8      | -71.1      | 659.6                 | 3.66                  | 3.44                 |                       |
| 2,145.0             | 37.70           | 356.00      | 1,996.2             | 693.4      | -73.7      | 697.3                 | 2.86                  | 2.86                 |                       |
| 2,209.0             | 38.80           | 354.80      | 2,046.5             | 732.9      | -76.9      | 737.0                 | 2.07                  | 1.72                 |                       |
| 2,305.0             | 41.90           | 352.40      | 2,119.7             | 794.7      | -83.9      | 799.1                 | 3.61                  | 3.23                 |                       |
| 2,401.0             | 43.80           | 353.10      | 2,190.0             | 859.4      | -92.1      | 864.4                 | 2.04                  | 1.98                 |                       |
| 2,496.0             | 44.80           | 352.80      | 2,258.0             | 925.3      | -100.3     | 930.7                 | 1.08                  | 1.05                 |                       |
| 2,592.0             | 44.20           | 352.90      | 2,326.5             | 992.1      | -108.6     | 998.0                 | 0.63                  | -0.62                |                       |
| 2,686.0             | 45.10           | 353.20      | 2,393.4             | 1,057.6    | -116.6     | 1,064.0               | 0.98                  | 0.96                 |                       |
| 2,782.0             | 46.20           | 354.60      | 2,460.5             | 1,125.9    | -123.9     | 1,132.7               | 1.55                  | 1.15                 |                       |
| 2,877.0             | 45.70           | 355.30      | 2,526.5             | 1,193.9    | -129.9     | 1,200.9               | 0.75                  | -0.53                |                       |
| 2,973.0             | 46.10           | 354.10      | 2,593.3             | 1,262.5    | -136.3     | 1,269.9               | 0.99                  | 0.42                 |                       |
| 3,069.0             | 46.20           | 355.30      | 2,659.9             | 1,331.5    | -142.7     | 1,339.1               | 0.91                  | 0.10                 |                       |
| 3,164.0             | 46.30           | 354.10      | 2,725.6             | 1,399.8    | -149.0     | 1,407.7               | 0.92                  | 0.11                 |                       |
| 3,259.0             | 45.50           | 355.20      | 2,791.7             | 1,467.7    | -155.4     | 1,475.9               | 1.18                  | -0.84                |                       |
| 3,355.0             | 44.30           | 356.00      | 2,859.7             | 1,535.3    | -160.6     | 1,543.7               | 1.38                  | -1.25                |                       |
| 3,451.0             | 44.60           | 356.10      | 2,928.2             | 1,602.3    | -165.2     | 1,610.8               | 0.32                  | 0.31                 |                       |
| 3,547.0             | 43.50           | 356.30      | 2,997.2             | 1,668.9    | -169.7     | 1,677.5               | 1.15                  | -1.15                |                       |
| 3,643.0             | 42.50           | 356.80      | 3,067.4             | 1,734.3    | -173.6     | 1,743.0               | 1.10                  | -1.04                |                       |
| 3,738.0             | 41.40           | 356.30      | 3,138.1             | 1,797.7    | -177.4     | 1,806.4               | 1.21                  | -1.16                |                       |
| 3,834.0             | 40.10           | 356.90      | 3,210.8             | 1,860.2    | -181.1     | 1,869.0               | 1.41                  | -1.35                |                       |
| 3,930.0             | 37.20           | 355.30      | 3,285.7             | 1,920.1    | -185.2     | 1,928.9               | 3.19                  | -3.02                |                       |
| 4,025.0             | 35.50           | 357.60      | 3,362.3             | 1,976.2    | -188.7     | 1,985.2               | 2.29                  | -1.79                |                       |
| 4,120.0             | 34.00           | 358.00      | 3,440.3             | 2,030.3    | -190.8     | 2,039.2               | 1.60                  | -1.58                |                       |
| 4,216.0             | 31.70           | 356.50      | 3,521.0             | 2,082.4    | -193.3     | 2,091.2               | 2.54                  | -2.40                |                       |
| 4,312.0             | 28.70           | 355.10      | 3,603.9             | 2,130.5    | -196.8     | 2,139.5               | 3.21                  | -3.12                |                       |

# Cathedral Energy Services

## Survey Report

|                  |                                  |                                     |                              |
|------------------|----------------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc       | <b>Local Co-ordinate Reference:</b> | Well Federal Gardner 20-6    |
| <b>Project:</b>  | S. Piceance                      | <b>TVD Reference:</b>               | KBE2 @ 5804.0ft (Nabors M11) |
| <b>Site:</b>     | SESW Sec20-T7S-R95W (PN-20-7-95) | <b>MD Reference:</b>                | KBE2 @ 5804.0ft (Nabors M11) |
| <b>Well:</b>     | Federal Gardner 20-6             | <b>North Reference:</b>             | True                         |
| <b>Wellbore:</b> | Final                            | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | DD                               | <b>Database:</b>                    | EDM 5000.1 US Multi Users DB |

### Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Formations / Comments |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------|
| 4,407.0             | 28.00           | 353.90      | 3,687.5             | 2,175.4    | -201.1     | 2,184.6               | 0.95                  | -0.74                |                       |
| 4,503.0             | 27.10           | 352.60      | 3,772.6             | 2,219.5    | -206.3     | 2,229.0               | 1.13                  | -0.94                |                       |
| 4,598.0             | 24.60           | 353.00      | 3,858.1             | 2,260.6    | -211.5     | 2,270.4               | 2.64                  | -2.63                |                       |
| 4,694.0             | 21.40           | 352.60      | 3,946.5             | 2,297.8    | -216.2     | 2,307.9               | 3.34                  | -3.33                |                       |
| 4,790.0             | 19.10           | 353.10      | 4,036.5             | 2,330.8    | -220.3     | 2,341.1               | 2.40                  | -2.40                |                       |
| 4,885.0             | 16.20           | 351.50      | 4,127.1             | 2,359.3    | -224.2     | 2,369.9               | 3.09                  | -3.05                |                       |
| 4,981.0             | 14.20           | 351.30      | 4,219.7             | 2,384.2    | -227.9     | 2,395.0               | 2.08                  | -2.08                |                       |
| 5,077.0             | 11.60           | 349.80      | 4,313.3             | 2,405.3    | -231.4     | 2,416.4               | 2.73                  | -2.71                |                       |
| 5,172.0             | 10.80           | 349.70      | 4,406.5             | 2,423.5    | -234.7     | 2,434.8               | 0.84                  | -0.84                |                       |
| 5,268.0             | 10.20           | 349.70      | 4,500.9             | 2,440.7    | -237.8     | 2,452.2               | 0.62                  | -0.62                |                       |
| 5,364.0             | 9.10            | 351.90      | 4,595.5             | 2,456.6    | -240.4     | 2,468.3               | 1.21                  | -1.15                |                       |
| 5,460.0             | 7.20            | 355.90      | 4,690.5             | 2,470.1    | -241.9     | 2,481.9               | 2.06                  | -1.98                |                       |
| 5,555.0             | 5.10            | 4.50        | 4,785.0             | 2,480.3    | -242.0     | 2,492.0               | 2.41                  | -2.21                |                       |
| 5,651.0             | 3.50            | 10.30       | 4,880.7             | 2,487.4    | -241.1     | 2,499.0               | 1.73                  | -1.67                |                       |
| 5,747.0             | 1.10            | 357.20      | 4,976.6             | 2,491.2    | -240.7     | 2,502.7               | 2.54                  | -2.50                |                       |
| 5,842.0             | 0.80            | 296.20      | 5,071.6             | 2,492.4    | -241.3     | 2,504.0               | 1.05                  | -0.32                |                       |
| 5,938.0             | 0.80            | 264.40      | 5,167.6             | 2,492.6    | -242.6     | 2,504.4               | 0.46                  | 0.00                 |                       |
| 6,034.0             | 0.80            | 237.70      | 5,263.6             | 2,492.2    | -243.8     | 2,504.1               | 0.38                  | 0.00                 |                       |
| 6,129.0             | 1.30            | 232.50      | 5,358.6             | 2,491.2    | -245.2     | 2,503.2               | 0.54                  | 0.53                 |                       |
| 6,225.0             | 0.50            | 284.10      | 5,454.6             | 2,490.6    | -246.5     | 2,502.8               | 1.11                  | -0.83                |                       |
| 6,321.0             | 0.50            | 239.20      | 5,550.6             | 2,490.5    | -247.3     | 2,502.8               | 0.40                  | 0.00                 |                       |
| 6,416.0             | 0.90            | 219.80      | 5,645.5             | 2,489.7    | -248.1     | 2,502.1               | 0.48                  | 0.42                 |                       |
| 6,512.0             | 1.40            | 213.40      | 5,741.5             | 2,488.2    | -249.2     | 2,500.6               | 0.54                  | 0.52                 |                       |
| 6,607.0             | 1.00            | 280.50      | 5,836.5             | 2,487.4    | -250.7     | 2,500.0               | 1.44                  | -0.42                |                       |
| 6,703.0             | 0.90            | 332.10      | 5,932.5             | 2,488.2    | -251.9     | 2,500.9               | 0.87                  | -0.10                |                       |
| 6,798.0             | 1.30            | 251.50      | 6,027.5             | 2,488.5    | -253.2     | 2,501.3               | 1.53                  | 0.42                 |                       |
| 6,894.0             | 0.20            | 314.60      | 6,123.5             | 2,488.3    | -254.4     | 2,501.2               | 1.27                  | -1.15                |                       |
| 7,085.0             | 0.90            | 213.50      | 6,314.5             | 2,487.3    | -255.4     | 2,500.3               | 0.50                  | 0.37                 |                       |
| 7,181.0             | 1.10            | 233.40      | 6,410.5             | 2,486.1    | -256.6     | 2,499.3               | 0.41                  | 0.21                 |                       |
| 7,277.0             | 1.40            | 235.30      | 6,506.4             | 2,484.9    | -258.3     | 2,498.2               | 0.32                  | 0.31                 |                       |
| 7,372.0             | 1.50            | 241.30      | 6,601.4             | 2,483.6    | -260.3     | 2,497.2               | 0.19                  | 0.11                 |                       |
| 7,465.0             | 1.70            | 226.20      | 6,694.4             | 2,482.1    | -262.4     | 2,495.9               | 0.50                  | 0.22                 |                       |
| 7,515.0             | 1.70            | 226.20      | 6,744.3             | 2,481.0    | -263.5     | 2,495.0               | 0.00                  | 0.00                 |                       |

# Cathedral Energy Services

## Survey Report

|                  |                                  |                                     |                              |
|------------------|----------------------------------|-------------------------------------|------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc       | <b>Local Co-ordinate Reference:</b> | Well Federal Gardner 20-6    |
| <b>Project:</b>  | S. Piceance                      | <b>TVD Reference:</b>               | KBE2 @ 5804.0ft (Nabors M11) |
| <b>Site:</b>     | SESW Sec20-T7S-R95W (PN-20-7-95) | <b>MD Reference:</b>                | KBE2 @ 5804.0ft (Nabors M11) |
| <b>Well:</b>     | Federal Gardner 20-6             | <b>North Reference:</b>             | True                         |
| <b>Wellbore:</b> | Final                            | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | DD                               | <b>Database:</b>                    | EDM 5000.1 US Multi Users DB |

| Targets  |           |          |         |         |        |              |              |           |             |
|--|-----------|----------|---------|---------|--------|--------------|--------------|-----------|-------------|
| Target Name  | Dip Angle | Dip Dir. | TVD     | +N/-S   | +E/-W  | Northing     | Easting      | Latitude  | Longitude   |
| - hit/miss target  | (°)       | (°)      | (ft)    | (ft)    | (ft)   | (ft)         | (ft)         |           |             |
| - Shape  |           |          |         |         |        |              |              |           |             |
| Federal Gardner 20-6 BI  | 0.00      | 0.00     | 6,710.0 | 2,487.7 | -257.1 | 1,589,765.60 | 2,287,326.20 | 39.425490 | -108.023230 |
| - actual wellpath misses target center by 17.5ft at 7465.0ft MD (6694.4 TVD, 2482.1 N, -262.4 E) |           |          |         |         |        |              |              |           |             |
| - Circle (radius 25.0)   |           |          |         |         |        |              |              |           |             |
| Federal Gardner 20-6 Tc  | 0.00      | 0.00     | 4,995.0 | 2,487.7 | -257.1 | 1,589,765.60 | 2,287,326.20 | 39.425490 | -108.023230 |
| - actual wellpath misses target center by 16.8ft at 5765.4ft MD (4995.1 TVD, 2491.5 N, -240.7 E) |           |          |         |         |        |              |              |           |             |
| - Point  |           |          |         |         |        |              |              |           |             |

| Design Annotations |                |                   |            |                                   |
|--------------------|----------------|-------------------|------------|-----------------------------------|
| Measured Depth     | Vertical Depth | Local Coordinates |            | Comment                           |
| (ft)               | (ft)           | +N/-S (ft)        | +E/-W (ft) |                                   |
| 7,465.0            | 6,694.4        | 2,482.1           | -262.4     | Last Cathedral Survey at 7465' MD |
| 7,515.0            | 6,744.3        | 2,481.0           | -263.5     | Projection to bit at 7515' MD     |

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