

District I  
1525 N. French Drive, Hobbs, NM 88240  
Phone: (575) 393-5161 Fax: (575) 393-0720

District II  
811 S. First Street, Artesia, NM 88210  
Phone: (575) 748-1293 Fax: (575) 748-9720

District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-5178 Fax: (505) 334-5170

District IV  
1220 S. St. Francis Drive, Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 1, 2011

Submit one copy to  
Appropriate District Office

OIL CONSERVATION DIVISION  
1220 South St. Francis Drive  
Santa Fe, NM 87505

☐ AMENDED REPORT  
☒ As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                             |                                               |                                    |
|-----------------------------|-----------------------------------------------|------------------------------------|
| *API Number<br>30-045-35450 | *Pool Code<br>5860                            | *Pool Name<br>SOUTH BISTI - GALLUP |
| *Property Code<br>39725     | *Property Name<br>GOOD TIMES P36A-2410        | *Well Number<br>03H                |
| *GRID No.<br>282327         | *Operator Name<br>ENCANA OIL & GAS (USA) INC. | *Elevation<br>6866                 |

OIL CONS. DIV DIST. 3

AUG 28 2014

10 Surface Location

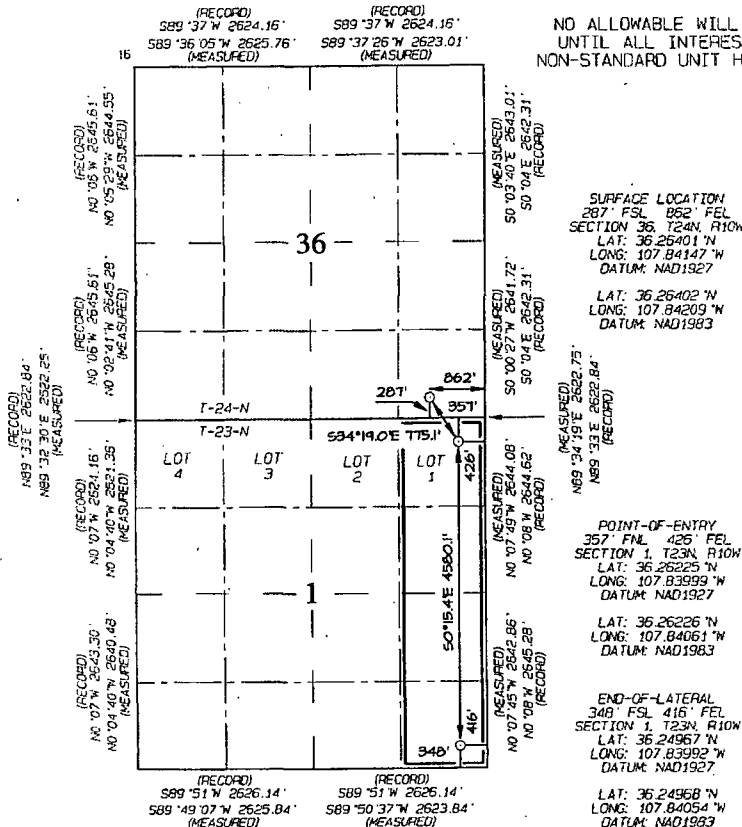
| LT. or Loc. No. | Section | Township | Range | Lot 1th | Feet from the | North/South line | Feet from the | East/West line | County   |
|-----------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| P               | 36      | 24N      | 10W   |         | 287           | SOUTH            | 862           | EAST           | SAN JUAN |

11 Bottom Hole Location If Different From Surface

| LT. or Loc. No. | Section | Township | Range | Lot 1th | Feet from the | North/South line | Feet from the | East/West line | County   |
|-----------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| P               | 1       | 23N      | 10W   |         | 348           | SOUTH            | 416           | EAST           | SAN JUAN |

|                                                         |                    |                     |            |
|---------------------------------------------------------|--------------------|---------------------|------------|
| *Dedicated Acres<br>159.93 Acres<br>E/2 E/2 - Section 1 | *Unit or (Initial) | *Consolidation Code | *Order No. |
|---------------------------------------------------------|--------------------|---------------------|------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION  
UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A  
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest or a voluntary pooling agreement or a consolidation pooling order heretofore entered by the division.

Signature: *Brenda Linster*  
Printed Name: Brenda R. Linster  
E-mail Address: Brenda.Linster@encana.com

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: JULY 17, 2014  
Date of Survey: AUGUST 13, 2012

Signature and Seal of Professional Surveyor



AV

**DEVIATION SURVEYS**  
**Well Name:** Good Times P36A-2410 03H  
**API:** 30-045-35450

**CONFIDENTIAL**

| MD<br>(Feet) | Inclination<br>(Degree) |
|--------------|-------------------------|
| 390'         | 0.50                    |
| 713'         | 0.30                    |
| 1029'        | 0.30                    |
| 1344'        | 1.00                    |
| 1659'        | 0.40                    |
| 1973'        | 0.60                    |
| 2287'        | 0.60                    |
| 2601'        | 0.50                    |
| 2916'        | 1.50                    |
| 3201'        | 7.20                    |
|              |                         |
|              |                         |

**OIL CONS. DIV DIST. 3**

**AUG 28 2014**

**OPERATOR CERTIFICATION**

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

Cristi Bauer  
Cristi Bauer, Operations Technician

8/25/14  
Date

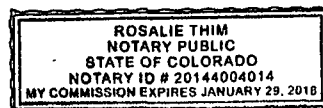
**ACKNOWLEDGMENT**

State of Colorado  
City and County of Denver

This instrument was acknowledged before me on this 25 day of August, 2014 by Cristi Bauer 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 Rosalie Thim  
My Commission Expires: 1/29/18



# encana

Project: San Juan County, NM  
Site: S36-T24N-R10W (Good Times)  
Well: Good Times P36A-2410 03H  
Wellbore: STK  
Design: STK - FINAL

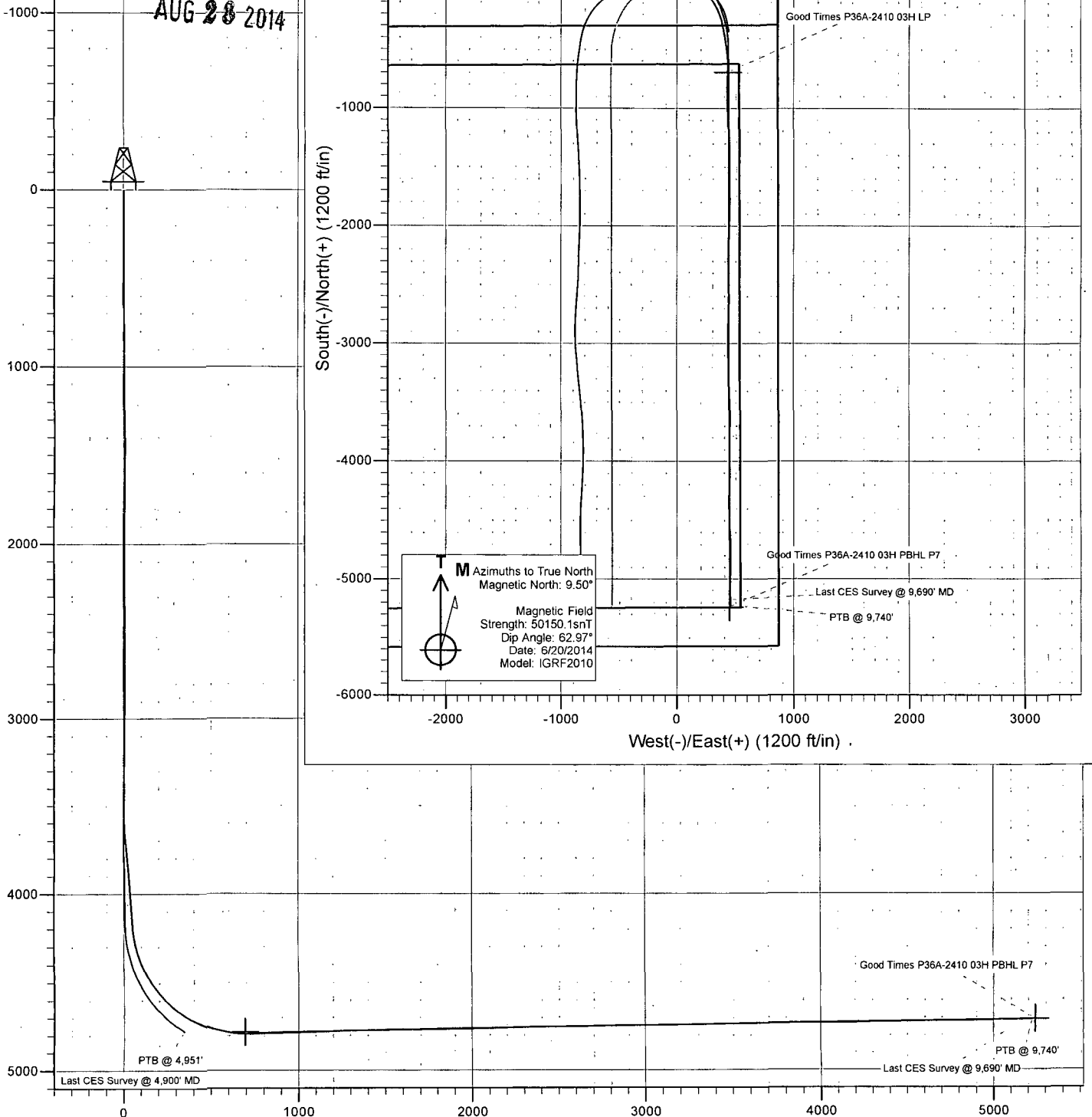


STK - FINAL  
Good Times P36A-2410 03H  
16' KB @ 6882.0ft (Aztec 950)  
Ground Elevation @ 6866.0  
North American Datum 1983  
Well Good Times P36A-2410 03H, True North

OIL CONS. DIV DIST. 3

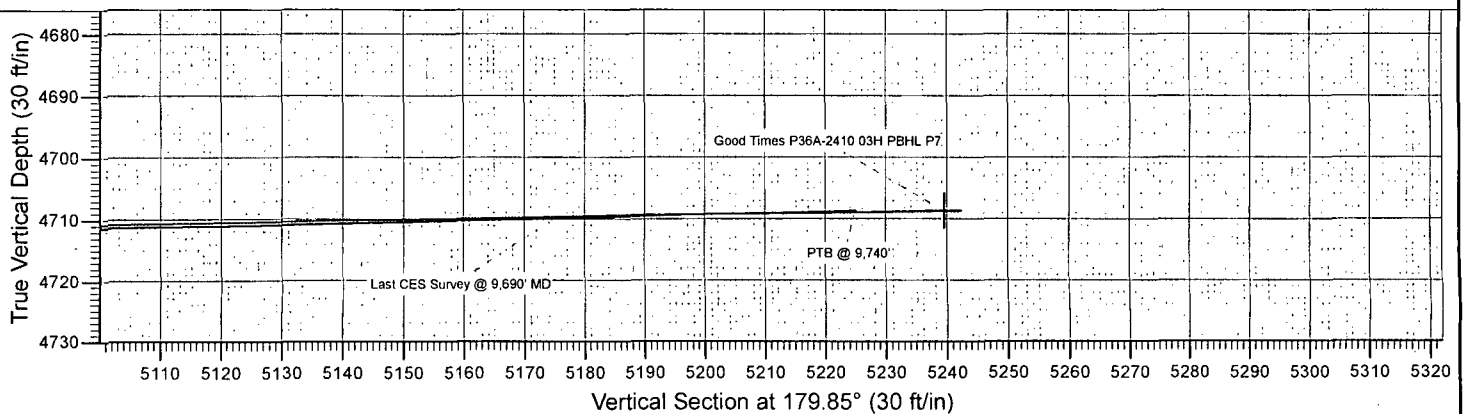
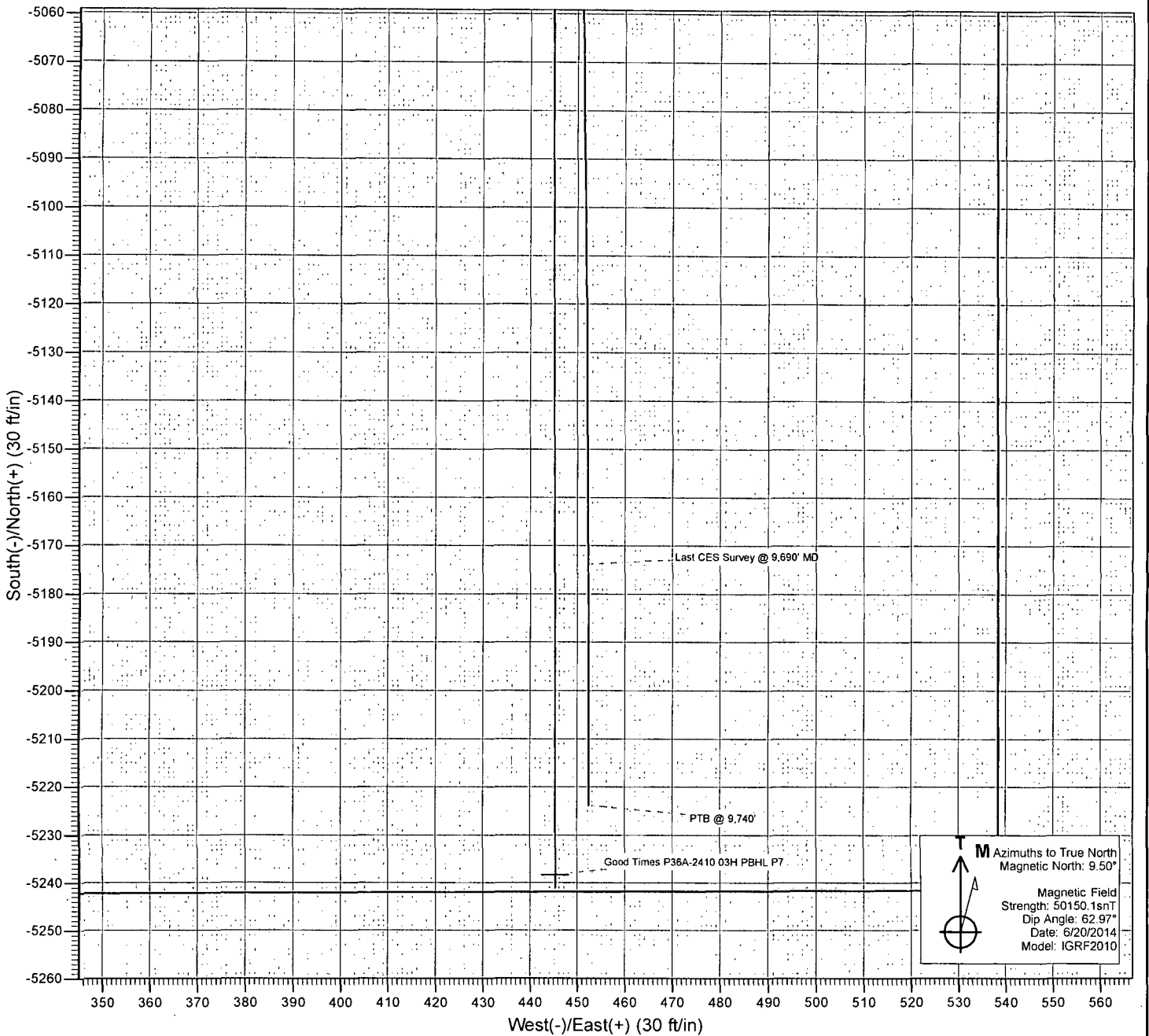
AUG 28 2014

True Vertical Depth (800 ft/in)



encana

Project: San Juan County, NM  
Site: S36-T24N-R10W (Good Times)  
Well: Good Times P36A-2410 03H  
Wellbore: STK  
Design: STK - FINAL



# Cathedral Energy Services

## Survey Report

|                  |                            |                                     |                               |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Good Times P36A-2410 03H |
| <b>Project:</b>  | San Juan County, NM        | <b>TVD Reference:</b>               | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Site:</b>     | S36-T24N-R10W (Good Times) | <b>MD Reference:</b>                | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Well:</b>     | Good Times P36A-2410 03H   | <b>North Reference:</b>             | True                          |
| <b>Wellbore:</b> | STK                        | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | STK - FINAL                | <b>Database:</b>                    | USA EDM 5000 Multi Users DB   |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | San Juan 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 Western Zone   |                      |                |

|                       |  |  |           |  |  |                            |  |  |                 |  |  |                   |  |  |             |  |  |
|-----------------------|--|--|-----------|--|--|----------------------------|--|--|-----------------|--|--|-------------------|--|--|-------------|--|--|
| Site                  |  |  |           |  |  | S36-T24N-R10W (Good Times) |  |  |                 |  |  |                   |  |  |             |  |  |
| Site Position:        |  |  | Northing: |  |  | 1,937,831.40 ft            |  |  | Latitude:       |  |  | 36.325610         |  |  |             |  |  |
| From:                 |  |  | Lat/Long  |  |  | Easting:                   |  |  | 2,706,101.56 ft |  |  | Longitude:        |  |  | -107.891030 |  |  |
| Position Uncertainty: |  |  | 0.0 ft    |  |  | Slot Radius:               |  |  | 13.200 in       |  |  | Grid Convergence: |  |  | -0.03 °     |  |  |

|                      |                          |        |                     |                 |               |             |
|----------------------|--------------------------|--------|---------------------|-----------------|---------------|-------------|
| Well                 | Good Times P36A-2410 03H |        |                     |                 |               |             |
| Well Position        | +N/-S                    | 0.0 ft | Northing:           | 1,915,406.07 ft | Latitude:     | 36.264020   |
|                      | +E/-W                    | 0.0 ft | Easting:            | 2,720,515.66 ft | Longitude:    | -107.842090 |
| Position Uncertainty |                          | 0.0 ft | Wellhead Elevation: | ft              | Ground Level: | 6,866.0 ft  |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | STK               |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 6/20/2014          | 9.50                   | 62.97                | 50,150                     |

|                   |                          |               |               |                   |
|-------------------|--------------------------|---------------|---------------|-------------------|
| Design            | STK - FINAL              |               |               |                   |
| Audit Notes:      |                          |               |               |                   |
| Version:          | 1.0                      | Phase:        | ACTUAL        | Tie On Depth: 0.0 |
| Vertical Section: | Depth From (TVD)<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Direction<br>(°)  |
|                   | 0.0                      | 0.0           | 0.0           | 179.85            |

|                       |                |                          |                  |                    |  |
|-----------------------|----------------|--------------------------|------------------|--------------------|--|
| <b>Survey Program</b> | <b>Date</b>    | 7/7/2014                 |                  |                    |  |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |  |
| 166.0                 | 3,578.0        | Survey #1 (Hz)           | Geolink MWD      | Geolink MWD        |  |
| 3,609.0               | 9,740.0        | Survey #1 (STK)          | Geolink 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                        |                              |
| 167.0                      | 1.10                   | 102.20             | 167.0                      | -0.3              | 1.6               | 0.3                          | 0.66                         | 0.66                        |                              |
| 264.0                      | 1.10                   | 106.40             | 264.0                      | -0.8              | 3.4               | 0.8                          | 0.08                         | 0.00                        |                              |
| 327.0                      | 1.00                   | 112.30             | 327.0                      | -1.2              | 4.5               | 1.2                          | 0.23                         | -0.16                       |                              |
| 390.0                      | 0.50                   | 124.10             | 390.0                      | -1.5              | 5.2               | 1.6                          | 0.83                         | -0.79                       |                              |
| 453.0                      | 0.30                   | 130.50             | 453.0                      | -1.8              | 5.5               | 1.8                          | 0.32                         | -0.32                       |                              |
| 470.0                      | 0.30                   | 134.20             | 470.0                      | -1.9              | 5.6               | 1.9                          | 0.11                         | 0.00                        |                              |
| 587.0                      | 0.30                   | 137.80             | 587.0                      | -2.3              | 6.0               | 2.3                          | 0.02                         | 0.00                        |                              |
| 650.0                      | 0.30                   | 154.40             | 650.0                      | -2.6              | 6.2               | 2.6                          | 0.14                         | 0.00                        |                              |
| 713.0                      | 0.30                   | 173.60             | 713.0                      | -2.9              | 6.3               | 2.9                          | 0.16                         | 0.00                        |                              |
| 777.0                      | 0.40                   | 150.00             | 776.9                      | -3.2              | 6.4               | 3.3                          | 0.27                         | 0.16                        |                              |
| 840.0                      | 0.50                   | 154.70             | 839.9                      | -3.7              | 6.7               | 3.7                          | 0.17                         | 0.16                        |                              |

# Cathedral Energy Services

## Survey Report

|                  |                            |                                     |                               |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Good Times P36A-2410 03H |
| <b>Project:</b>  | San Juan County, NM        | <b>TVD Reference:</b>               | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Site:</b>     | S36-T24N-R10W (Good Times) | <b>MD Reference:</b>                | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Well:</b>     | Good Times P36A-2410 03H   | <b>North Reference:</b>             | True                          |
| <b>Wellbore:</b> | STK                        | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | STK - 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 |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------|
| 903.0               | 0.60            | 196.10      | 902.9               | -4.3       | 6.7        | 4.3                   | 0.63                  | 0.16                 |                       |
| 965.0               | 0.70            | 184.70      | 964.9               | -4.9       | 6.6        | 5.0                   | 0.26                  | 0.16                 |                       |
| 1,029.0             | 0.30            | 180.90      | 1,028.9             | -5.5       | 6.5        | 5.5                   | 0.63                  | -0.62                |                       |
| 1,091.0             | 0.30            | 160.60      | 1,090.9             | -5.8       | 6.6        | 5.8                   | 0.17                  | 0.00                 |                       |
| 1,154.0             | 0.40            | 183.20      | 1,153.9             | -6.2       | 6.6        | 6.2                   | 0.27                  | 0.16                 |                       |
| 1,218.0             | 0.60            | 174.10      | 1,217.9             | -6.7       | 6.7        | 6.8                   | 0.34                  | 0.31                 |                       |
| 1,281.0             | 0.60            | 269.10      | 1,280.9             | -7.1       | 6.4        | 7.1                   | 1.40                  | 0.00                 |                       |
| 1,344.0             | 1.00            | 279.50      | 1,343.9             | -7.0       | 5.5        | 7.0                   | 0.67                  | 0.63                 |                       |
| 1,407.0             | 1.10            | 272.00      | 1,406.9             | -6.9       | 4.3        | 6.9                   | 0.27                  | 0.16                 |                       |
| 1,470.0             | 1.30            | 268.00      | 1,469.9             | -6.9       | 3.0        | 6.9                   | 0.34                  | 0.32                 |                       |
| 1,533.0             | 0.10            | 83.10       | 1,532.9             | -6.9       | 2.4        | 6.9                   | 2.22                  | -1.90                |                       |
| 1,596.0             | 0.30            | 303.80      | 1,595.9             | -6.8       | 2.3        | 6.8                   | 0.61                  | 0.32                 |                       |
| 1,659.0             | 0.40            | 300.40      | 1,658.9             | -6.6       | 2.0        | 6.6                   | 0.16                  | 0.16                 |                       |
| 1,722.0             | 0.80            | 295.20      | 1,721.9             | -6.3       | 1.4        | 6.3                   | 0.64                  | 0.63                 |                       |
| 1,784.0             | 0.60            | 306.00      | 1,783.9             | -5.9       | 0.7        | 5.9                   | 0.39                  | -0.32                |                       |
| 1,847.0             | 0.30            | 50.20       | 1,846.9             | -5.6       | 0.6        | 5.6                   | 1.16                  | -0.48                |                       |
| 1,910.0             | 0.50            | 84.70       | 1,909.9             | -5.5       | 1.0        | 5.5                   | 0.48                  | 0.32                 |                       |
| 1,973.0             | 0.60            | 84.00       | 1,972.9             | -5.4       | 1.6        | 5.4                   | 0.16                  | 0.16                 |                       |
| 2,036.0             | 0.50            | 102.20      | 2,035.9             | -5.5       | 2.2        | 5.5                   | 0.32                  | -0.16                |                       |
| 2,099.0             | 0.40            | 99.50       | 2,098.9             | -5.6       | 2.7        | 5.6                   | 0.16                  | -0.16                |                       |
| 2,162.0             | 0.40            | 94.10       | 2,161.9             | -5.6       | 3.1        | 5.6                   | 0.06                  | 0.00                 |                       |
| 2,225.0             | 0.60            | 87.50       | 2,224.9             | -5.6       | 3.6        | 5.6                   | 0.33                  | 0.32                 |                       |
| 2,287.0             | 0.60            | 92.70       | 2,286.9             | -5.6       | 4.3        | 5.6                   | 0.09                  | 0.00                 |                       |
| 2,351.0             | 0.60            | 94.20       | 2,350.9             | -5.6       | 5.0        | 5.7                   | 0.02                  | 0.00                 |                       |
| 2,413.0             | 0.80            | 102.10      | 2,412.9             | -5.8       | 5.7        | 5.8                   | 0.36                  | 0.32                 |                       |
| 2,476.0             | 0.80            | 101.90      | 2,475.9             | -5.9       | 6.6        | 6.0                   | 0.00                  | 0.00                 |                       |
| 2,538.0             | 0.80            | 104.30      | 2,537.9             | -6.1       | 7.4        | 6.2                   | 0.05                  | 0.00                 |                       |
| 2,601.0             | 0.50            | 221.80      | 2,600.9             | -6.5       | 7.7        | 6.5                   | 1.78                  | -0.48                |                       |
| 2,664.0             | 0.80            | 259.70      | 2,663.8             | -6.7       | 7.0        | 6.8                   | 0.81                  | 0.48                 |                       |
| 2,727.0             | 0.80            | 247.80      | 2,726.8             | -7.0       | 6.2        | 7.0                   | 0.26                  | 0.00                 |                       |
| 2,790.0             | 1.00            | 255.40      | 2,789.8             | -7.3       | 5.3        | 7.3                   | 0.37                  | 0.32                 |                       |
| 2,853.0             | 0.80            | 21.30       | 2,852.8             | -7.0       | 4.9        | 7.0                   | 2.55                  | -0.32                |                       |
| 2,916.0             | 1.50            | 53.30       | 2,915.8             | -6.1       | 5.7        | 6.1                   | 1.47                  | 1.11                 |                       |
| 2,948.0             | 1.70            | 58.20       | 2,947.8             | -5.6       | 6.4        | 5.6                   | 0.76                  | 0.62                 |                       |
| 3,011.0             | 3.20            | 70.20       | 3,010.7             | -4.5       | 8.9        | 4.6                   | 2.50                  | 2.38                 |                       |
| 3,074.0             | 4.20            | 77.50       | 3,073.6             | -3.4       | 12.8       | 3.5                   | 1.75                  | 1.59                 |                       |
| 3,138.0             | 5.50            | 84.90       | 3,137.4             | -2.7       | 18.1       | 2.7                   | 2.25                  | 2.03                 |                       |
| 3,201.0             | 7.20            | 88.40       | 3,200.0             | -2.3       | 25.1       | 2.3                   | 2.77                  | 2.70                 |                       |
| 3,264.0             | 8.90            | 90.80       | 3,262.4             | -2.2       | 33.9       | 2.3                   | 2.75                  | 2.70                 |                       |
| 3,326.0             | 9.30            | 90.40       | 3,323.6             | -2.3       | 43.7       | 2.4                   | 0.65                  | 0.65                 |                       |
| 3,389.0             | 10.20           | 89.30       | 3,385.7             | -2.3       | 54.4       | 2.4                   | 1.46                  | 1.43                 |                       |
| 3,452.0             | 11.60           | 84.30       | 3,447.5             | -1.6       | 66.3       | 1.8                   | 2.68                  | 2.22                 |                       |
| 3,515.0             | 12.80           | 86.90       | 3,509.1             | -0.6       | 79.5       | 0.8                   | 2.09                  | 1.90                 |                       |
| 3,578.0             | 14.00           | 94.10       | 3,570.4             | -0.8       | 94.1       | 1.0                   | 3.26                  | 1.90                 |                       |
| 3,609.0             | 14.00           | 96.90       | 3,600.5             | -1.5       | 101.6      | 1.7                   | 2.19                  | 0.00                 |                       |
| 3,641.0             | 12.60           | 104.80      | 3,631.6             | -2.8       | 108.8      | 3.1                   | 7.16                  | -4.37                |                       |
| 3,672.0             | 11.60           | 117.00      | 3,661.9             | -5.1       | 114.8      | 5.4                   | 8.84                  | -3.23                |                       |
| 3,704.0             | 11.80           | 120.00      | 3,693.3             | -8.2       | 120.5      | 8.5                   | 2.00                  | 0.62                 |                       |
| 3,735.0             | 13.20           | 114.50      | 3,723.5             | -11.3      | 126.5      | 11.6                  | 5.92                  | 4.52                 |                       |
| 3,767.0             | 15.60           | 111.60      | 3,754.5             | -14.4      | 133.8      | 14.7                  | 7.83                  | 7.50                 |                       |
| 3,798.0             | 17.40           | 110.20      | 3,784.3             | -17.5      | 142.1      | 17.9                  | 5.95                  | 5.81                 |                       |
| 3,830.0             | 17.50           | 109.80      | 3,814.8             | -20.8      | 151.1      | 21.2                  | 0.49                  | 0.31                 |                       |
| 3,893.0             | 17.60           | 101.30      | 3,874.9             | -25.9      | 169.3      | 26.3                  | 4.07                  | 0.16                 |                       |

# Cathedral Energy Services

## Survey Report

|                  |                            |                                     |                               |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Good Times P36A-2410 03H |
| <b>Project:</b>  | San Juan County, NM        | <b>TVD Reference:</b>               | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Site:</b>     | S36-T24N-R10W (Good Times) | <b>MD Reference:</b>                | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Well:</b>     | Good Times P36A-2410 03H   | <b>North Reference:</b>             | True                          |
| <b>Wellbore:</b> | STK                        | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | STK - 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 |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|--------------------------|
| 3,956.0                   | 15.50              | 104.10         | 3,935.3                   | -29.8         | 186.8         | 30.3                        | 3.56                        | -3.33                      |                          |
| 4,019.0                   | 15.30              | 105.60         | 3,996.0                   | -34.1         | 203.0         | 34.6                        | 0.71                        | -0.32                      |                          |
| 4,082.0                   | 15.80              | 108.20         | 4,056.7                   | -39.0         | 219.2         | 39.6                        | 1.36                        | 0.79                       |                          |
| 4,145.0                   | 16.30              | 104.60         | 4,117.2                   | -43.9         | 235.9         | 44.5                        | 1.77                        | 0.79                       |                          |
| 4,176.0                   | 15.80              | 103.00         | 4,147.0                   | -45.9         | 244.2         | 46.6                        | 2.15                        | -1.61                      |                          |
| 4,208.0                   | 15.40              | 102.70         | 4,177.8                   | -47.8         | 252.6         | 48.5                        | 1.28                        | -1.25                      |                          |
| 4,239.0                   | 16.20              | 111.60         | 4,207.7                   | -50.3         | 260.6         | 51.0                        | 8.22                        | 2.58                       |                          |
| 4,271.0                   | 17.20              | 120.90         | 4,238.3                   | -54.4         | 268.8         | 55.1                        | 8.91                        | 3.12                       |                          |
| 4,303.0                   | 18.20              | 127.80         | 4,268.8                   | -59.9         | 276.8         | 60.6                        | 7.26                        | 3.12                       |                          |
| 4,334.0                   | 19.50              | 134.10         | 4,298.2                   | -66.5         | 284.4         | 67.2                        | 7.79                        | 4.19                       |                          |
| 4,365.0                   | 21.40              | 138.90         | 4,327.2                   | -74.3         | 291.8         | 75.1                        | 8.17                        | 6.13                       |                          |
| 4,397.0                   | 23.90              | 143.00         | 4,356.7                   | -83.9         | 299.6         | 84.7                        | 9.24                        | 7.81                       |                          |
| 4,429.0                   | 26.30              | 146.60         | 4,385.7                   | -95.0         | 307.4         | 95.8                        | 8.89                        | 7.50                       |                          |
| 4,460.0                   | 28.50              | 148.20         | 4,413.2                   | -107.0        | 315.0         | 107.9                       | 7.48                        | 7.10                       |                          |
| 4,492.0                   | 31.50              | 150.40         | 4,440.9                   | -120.8        | 323.2         | 121.6                       | 9.98                        | 9.37                       |                          |
| 4,523.0                   | 33.70              | 151.90         | 4,467.1                   | -135.4        | 331.2         | 136.3                       | 7.56                        | 7.10                       |                          |
| 4,554.0                   | 36.10              | 153.20         | 4,492.5                   | -151.2        | 339.4         | 152.1                       | 8.10                        | 7.74                       |                          |
| 4,586.0                   | 37.80              | 155.90         | 4,518.1                   | -168.5        | 347.7         | 169.4                       | 7.34                        | 5.31                       |                          |
| 4,617.0                   | 40.40              | 158.80         | 4,542.1                   | -186.6        | 355.2         | 187.5                       | 10.25                       | 8.39                       |                          |
| 4,649.0                   | 42.00              | 160.60         | 4,566.2                   | -206.4        | 362.5         | 207.3                       | 6.22                        | 5.00                       |                          |
| 4,680.0                   | 44.50              | 163.00         | 4,588.8                   | -226.5        | 369.1         | 227.5                       | 9.65                        | 8.06                       |                          |
| 4,712.0                   | 47.00              | 165.00         | 4,611.1                   | -248.6        | 375.4         | 249.5                       | 9.00                        | 7.81                       |                          |
| 4,743.0                   | 49.20              | 167.10         | 4,631.8                   | -271.0        | 381.0         | 271.9                       | 8.70                        | 7.10                       |                          |
| 4,775.0                   | 52.00              | 168.20         | 4,652.1                   | -295.1        | 386.3         | 296.1                       | 9.14                        | 8.75                       |                          |
| 4,806.0                   | 54.90              | 168.50         | 4,670.6                   | -319.5        | 391.3         | 320.5                       | 9.39                        | 9.35                       |                          |
| 4,838.0                   | 58.10              | 168.90         | 4,688.2                   | -345.7        | 396.5         | 346.7                       | 10.05                       | 10.00                      |                          |
| 4,869.0                   | 61.30              | 169.10         | 4,703.9                   | -371.9        | 401.6         | 373.0                       | 10.34                       | 10.32                      |                          |
| 4,900.0                   | 64.50              | 170.40         | 4,718.0                   | -399.1        | 406.5         | 400.1                       | 10.98                       | 10.32                      |                          |
| 4,932.0                   | 66.80              | 170.20         | 4,731.2                   | -427.8        | 411.4         | 428.9                       | 7.21                        | 7.19                       |                          |
| 4,964.0                   | 69.50              | 171.60         | 4,743.1                   | -457.1        | 416.1         | 458.2                       | 9.36                        | 8.44                       |                          |
| 4,995.0                   | 71.90              | 172.40         | 4,753.3                   | -486.1        | 420.2         | 487.2                       | 8.12                        | 7.74                       |                          |
| 5,027.0                   | 75.20              | 173.40         | 4,762.4                   | -516.6        | 424.0         | 517.7                       | 10.74                       | 10.31                      |                          |
| 5,058.0                   | 77.40              | 175.30         | 4,769.7                   | -546.5        | 427.0         | 547.6                       | 9.26                        | 7.10                       |                          |
| 5,085.0                   | 77.60              | 175.80         | 4,775.6                   | -572.8        | 429.0         | 573.9                       | 1.95                        | 0.74                       |                          |
| 5,117.0                   | 80.00              | 177.60         | 4,781.8                   | -604.1        | 430.8         | 605.3                       | 9.31                        | 7.50                       |                          |
| 5,148.0                   | 83.90              | 179.70         | 4,786.1                   | -634.8        | 431.5         | 635.9                       | 14.26                       | 12.58                      |                          |
| 5,180.0                   | 88.20              | 181.30         | 4,788.3                   | -666.7        | 431.2         | 667.9                       | 14.33                       | 13.44                      |                          |
| 5,211.0                   | 90.40              | 181.90         | 4,788.7                   | -697.7        | 430.4         | 698.8                       | 7.36                        | 7.10                       |                          |
| 5,274.0                   | 92.50              | 182.50         | 4,787.1                   | -760.6        | 428.0         | 761.8                       | 3.47                        | 3.33                       |                          |
| 5,337.0                   | 93.30              | 180.70         | 4,783.9                   | -823.5        | 426.2         | 824.7                       | 3.12                        | 1.27                       |                          |
| 5,398.0                   | 92.40              | 178.90         | 4,780.9                   | -884.5        | 426.4         | 885.6                       | 3.30                        | -1.48                      |                          |
| 5,459.0                   | 91.20              | 177.70         | 4,779.0                   | -945.4        | 428.2         | 946.5                       | 2.78                        | -1.97                      |                          |
| 5,520.0                   | 91.40              | 178.10         | 4,777.6                   | -1,006.3      | 430.5         | 1,007.5                     | 0.73                        | 0.33                       |                          |
| 5,581.0                   | 91.30              | 176.70         | 4,776.2                   | -1,067.3      | 433.2         | 1,068.4                     | 2.30                        | -0.16                      |                          |
| 5,642.0                   | 91.10              | 176.60         | 4,774.9                   | -1,128.1      | 436.8         | 1,129.3                     | 0.37                        | -0.33                      |                          |
| 5,703.0                   | 90.90              | 178.70         | 4,773.8                   | -1,189.1      | 439.3         | 1,190.2                     | 3.46                        | -0.33                      |                          |
| 5,764.0                   | 91.30              | 178.30         | 4,772.7                   | -1,250.1      | 440.9         | 1,251.2                     | 0.93                        | 0.66                       |                          |
| 5,825.0                   | 91.50              | 179.60         | 4,771.2                   | -1,311.0      | 442.0         | 1,312.2                     | 2.16                        | 0.33                       |                          |
| 5,886.0                   | 90.60              | 179.10         | 4,770.1                   | -1,372.0      | 442.7         | 1,373.2                     | 1.69                        | -1.48                      |                          |
| 5,947.0                   | 90.90              | 179.70         | 4,769.3                   | -1,433.0      | 443.3         | 1,434.2                     | 1.10                        | 0.49                       |                          |
| 6,009.0                   | 91.10              | 181.40         | 4,768.2                   | -1,495.0      | 442.7         | 1,496.1                     | 2.76                        | 0.32                       |                          |
| 6,070.0                   | 90.80              | 180.10         | 4,767.2                   | -1,556.0      | 441.9         | 1,557.1                     | 2.19                        | -0.49                      |                          |
| 6,131.0                   | 90.80              | 179.20         | 4,766.3                   | -1,617.0      | 442.3         | 1,618.1                     | 1.48                        | 0.00                       |                          |

# Cathedral Energy Services

## Survey Report

|                  |                            |                                     |                               |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Good Times P36A-2410 03H |
| <b>Project:</b>  | San Juan County, NM        | <b>TVD Reference:</b>               | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Site:</b>     | S36-T24N-R10W (Good Times) | <b>MD Reference:</b>                | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Well:</b>     | Good Times P36A-2410 03H   | <b>North Reference:</b>             | True                          |
| <b>Wellbore:</b> | STK                        | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | STK - 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 |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------|
| 6,192.0             | 90.40           | 178.40      | 4,765.7             | -1,678.0   | 443.6      | 1,679.1               | 1.47                  | -0.66                |                       |
| 6,253.0             | 91.00           | 178.40      | 4,764.9             | -1,738.9   | 445.3      | 1,740.1               | 0.98                  | 0.98                 |                       |
| 6,314.0             | 89.90           | 179.50      | 4,764.4             | -1,799.9   | 446.4      | 1,801.1               | 2.55                  | -1.80                |                       |
| 6,375.0             | 90.60           | 181.30      | 4,764.2             | -1,860.9   | 446.0      | 1,862.1               | 3.17                  | 1.15                 |                       |
| 6,436.0             | 90.80           | 180.80      | 4,763.4             | -1,921.9   | 444.9      | 1,923.1               | 0.88                  | 0.33                 |                       |
| 6,497.0             | 92.50           | 180.90      | 4,761.7             | -1,982.9   | 444.0      | 1,984.0               | 2.79                  | 2.79                 |                       |
| 6,559.0             | 91.30           | 181.90      | 4,759.6             | -2,044.8   | 442.5      | 2,046.0               | 2.52                  | -1.94                |                       |
| 6,619.0             | 91.00           | 181.50      | 4,758.4             | -2,104.8   | 440.7      | 2,105.9               | 0.83                  | -0.50                |                       |
| 6,680.0             | 90.80           | 182.60      | 4,757.5             | -2,165.7   | 438.5      | 2,166.8               | 1.83                  | -0.33                |                       |
| 6,741.0             | 91.40           | 182.20      | 4,756.3             | -2,226.6   | 435.9      | 2,227.8               | 1.18                  | 0.98                 |                       |
| 6,804.0             | 92.30           | 180.30      | 4,754.3             | -2,289.6   | 434.6      | 2,290.7               | 3.34                  | 1.43                 |                       |
| 6,867.0             | 91.60           | 179.90      | 4,752.1             | -2,352.6   | 434.5      | 2,353.7               | 1.28                  | -1.11                |                       |
| 6,930.0             | 90.40           | 179.70      | 4,751.0             | -2,415.5   | 434.7      | 2,416.7               | 1.93                  | -1.90                |                       |
| 6,992.0             | 90.70           | 177.10      | 4,750.4             | -2,477.5   | 436.4      | 2,478.6               | 4.22                  | 0.48                 |                       |
| 7,055.0             | 90.40           | 177.00      | 4,749.8             | -2,540.4   | 439.6      | 2,541.6               | 0.50                  | -0.48                |                       |
| 7,119.0             | 90.20           | 180.70      | 4,749.5             | -2,604.4   | 440.9      | 2,605.5               | 5.79                  | -0.31                |                       |
| 7,182.0             | 91.40           | 181.50      | 4,748.6             | -2,667.4   | 439.7      | 2,668.5               | 2.29                  | 1.90                 |                       |
| 7,245.0             | 92.00           | 182.00      | 4,746.7             | -2,730.3   | 437.8      | 2,731.5               | 1.24                  | 0.95                 |                       |
| 7,307.0             | 91.90           | 182.70      | 4,744.6             | -2,792.2   | 435.3      | 2,793.4               | 1.14                  | -0.16                |                       |
| 7,369.0             | 91.50           | 180.00      | 4,742.8             | -2,854.2   | 433.8      | 2,855.3               | 4.40                  | -0.65                |                       |
| 7,432.0             | 90.90           | 180.50      | 4,741.5             | -2,917.2   | 433.5      | 2,918.3               | 1.24                  | -0.95                |                       |
| 7,495.0             | 89.80           | 179.00      | 4,741.1             | -2,980.2   | 433.8      | 2,981.3               | 2.95                  | -1.75                |                       |
| 7,558.0             | 90.40           | 180.50      | 4,741.0             | -3,043.2   | 434.1      | 3,044.3               | 2.56                  | 0.95                 |                       |
| 7,621.0             | 90.70           | 178.40      | 4,740.4             | -3,106.1   | 434.7      | 3,107.3               | 3.37                  | 0.48                 |                       |
| 7,684.0             | 90.20           | 175.70      | 4,739.9             | -3,169.1   | 437.9      | 3,170.2               | 4.36                  | -0.79                |                       |
| 7,747.0             | 92.10           | 179.60      | 4,738.6             | -3,232.0   | 440.5      | 3,233.1               | 6.88                  | 3.02                 |                       |
| 7,810.0             | 91.10           | 179.50      | 4,736.8             | -3,294.9   | 441.0      | 3,296.1               | 1.60                  | -1.59                |                       |
| 7,873.0             | 90.80           | 179.00      | 4,735.8             | -3,357.9   | 441.8      | 3,359.1               | 0.93                  | -0.48                |                       |
| 7,936.0             | 91.10           | 178.00      | 4,734.8             | -3,420.9   | 443.5      | 3,422.1               | 1.66                  | 0.48                 |                       |
| 7,999.0             | 90.80           | 176.60      | 4,733.7             | -3,483.8   | 446.4      | 3,485.0               | 2.27                  | -0.48                |                       |
| 8,062.0             | 90.20           | 177.90      | 4,733.2             | -3,546.7   | 449.5      | 3,547.9               | 2.27                  | -0.95                |                       |
| 8,124.0             | 91.20           | 181.90      | 4,732.4             | -3,608.7   | 449.6      | 3,609.9               | 6.65                  | 1.61                 |                       |
| 8,187.0             | 90.80           | 181.30      | 4,731.3             | -3,671.7   | 447.8      | 3,672.9               | 1.14                  | -0.63                |                       |
| 8,250.0             | 90.80           | 181.50      | 4,730.4             | -3,734.7   | 446.3      | 3,735.8               | 0.32                  | 0.00                 |                       |
| 8,313.0             | 91.10           | 181.20      | 4,729.4             | -3,797.6   | 444.8      | 3,798.8               | 0.67                  | 0.48                 |                       |
| 8,376.0             | 90.30           | 180.30      | 4,728.6             | -3,860.6   | 444.0      | 3,861.8               | 1.91                  | -1.27                |                       |
| 8,439.0             | 91.40           | 181.00      | 4,727.7             | -3,923.6   | 443.2      | 3,924.8               | 2.07                  | 1.75                 |                       |
| 8,502.0             | 89.30           | 177.30      | 4,727.3             | -3,986.6   | 444.2      | 3,987.7               | 6.75                  | -3.33                |                       |
| 8,565.0             | 88.60           | 179.20      | 4,728.4             | -4,049.6   | 446.1      | 4,050.7               | 3.21                  | -1.11                |                       |
| 8,628.0             | 89.60           | 180.60      | 4,729.4             | -4,112.5   | 446.2      | 4,113.7               | 2.73                  | 1.59                 |                       |
| 8,691.0             | 92.60           | 181.30      | 4,728.2             | -4,175.5   | 445.2      | 4,176.7               | 4.89                  | 4.76                 |                       |
| 8,755.0             | 91.50           | 182.20      | 4,725.9             | -4,239.4   | 443.2      | 4,240.6               | 2.22                  | -1.72                |                       |
| 8,818.0             | 91.20           | 180.50      | 4,724.4             | -4,302.4   | 441.7      | 4,303.5               | 2.74                  | -0.48                |                       |
| 8,881.0             | 89.90           | 178.30      | 4,723.8             | -4,365.4   | 442.4      | 4,366.5               | 4.06                  | -2.06                |                       |
| 8,944.0             | 90.30           | 178.40      | 4,723.7             | -4,428.4   | 444.2      | 4,429.5               | 0.65                  | 0.63                 |                       |
| 9,007.0             | 91.40           | 179.50      | 4,722.8             | -4,491.3   | 445.4      | 4,492.5               | 2.47                  | 1.75                 |                       |
| 9,070.0             | 92.70           | 178.90      | 4,720.5             | -4,554.3   | 446.2      | 4,555.5               | 2.27                  | 2.06                 |                       |
| 9,133.0             | 89.30           | 175.40      | 4,719.4             | -4,617.2   | 449.4      | 4,618.4               | 7.74                  | -5.40                |                       |
| 9,196.0             | 89.10           | 177.60      | 4,720.3             | -4,680.1   | 453.2      | 4,681.3               | 3.51                  | -0.32                |                       |
| 9,259.0             | 90.80           | 179.50      | 4,720.4             | -4,743.1   | 454.8      | 4,744.2               | 4.05                  | 2.70                 |                       |
| 9,322.0             | 90.80           | 180.10      | 4,719.5             | -4,806.1   | 455.0      | 4,807.2               | 0.95                  | 0.00                 |                       |
| 9,386.0             | 92.30           | 181.60      | 4,717.8             | -4,870.0   | 454.1      | 4,871.2               | 3.31                  | 2.34                 |                       |
| 9,449.0             | 92.20           | 181.30      | 4,715.3             | -4,932.9   | 452.5      | 4,934.1               | 0.50                  | -0.16                |                       |

# Cathedral Energy Services

## Survey Report

|                  |                            |                                     |                               |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Good Times P36A-2410 03H |
| <b>Project:</b>  | San Juan County, NM        | <b>TVD Reference:</b>               | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Site:</b>     | S36-T24N-R10W (Good Times) | <b>MD Reference:</b>                | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Well:</b>     | Good Times P36A-2410 03H   | <b>North Reference:</b>             | True                          |
| <b>Wellbore:</b> | STK                        | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | STK - 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       |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------------|
| 9,512.0             | 92.00           | 181.30      | 4,713.0             | -4,995.9   | 451.1      | 4,997.1               | 0.32                  | -0.32                |                             |
| 9,575.0             | 90.30           | 178.80      | 4,711.7             | -5,058.9   | 451.0      | 5,060.0               | 4.80                  | -2.70                |                             |
| 9,638.0             | 91.10           | 179.60      | 4,711.0             | -5,121.9   | 451.9      | 5,123.0               | 1.80                  | 1.27                 |                             |
| 9,690.0             | 91.40           | 179.80      | 4,709.8             | -5,173.8   | 452.2      | 5,175.0               | 0.69                  | 0.58                 | Last CES Survey @ 9,690' MD |
| 9,740.0             | 91.40           | 179.80      | 4,708.6             | -5,223.8   | 452.3      | 5,225.0               | 0.00                  | 0.00                 | PTB @ 9,740'                |

### Targets

| Target Name                                                                                      | - hit/miss target | - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude  | Longitude   |
|--------------------------------------------------------------------------------------------------|-------------------|---------|---------------|--------------|----------|------------|------------|---------------|--------------|-----------|-------------|
| Good Times P36A-2410                                                                             |                   |         | 0.00          | 0.00         | 4,781.4  | -611.6     | 433.4      | 1,914,794.47  | 2,720,948.97 | 36.262340 | -107.840620 |
| - actual wellpath misses target center by 2.8ft at 5124.3ft MD (4783.0 TVD, -611.4 N, 431.1 E)   |                   |         |               |              |          |            |            |               |              |           |             |
| - Point                                                                                          |                   |         |               |              |          |            |            |               |              |           |             |
| Good Times P36A-2410                                                                             |                   |         | 0.00          | 0.00         | 4,780.2  | -688.9     | 433.6      | 1,914,717.13  | 2,720,949.19 | 36.262128 | -107.840619 |
| - actual wellpath misses target center by 9.0ft at 5202.0ft MD (4788.7 TVD, -688.7 N, 430.7 E)   |                   |         |               |              |          |            |            |               |              |           |             |
| - Point                                                                                          |                   |         |               |              |          |            |            |               |              |           |             |
| Good Times P36A-2410                                                                             |                   |         | 0.00          | 0.00         | 4,708.6  | -5,238.3   | 445.2      | 1,910,167.72  | 2,720,960.41 | 36.249630 | -107.840580 |
| - actual wellpath misses target center by 16.1ft at 9740.0ft MD (4708.6 TVD, -5223.8 N, 452.3 E) |                   |         |               |              |          |            |            |               |              |           |             |
| - Point                                                                                          |                   |         |               |              |          |            |            |               |              |           |             |

### Formations

| Measured Depth (ft) | Vertical Depth (ft) | Name        | Lithology | Dip (°) | Dip Direction (°) |
|---------------------|---------------------|-------------|-----------|---------|-------------------|
| 5,105.3             | 4,789.0             | Target Line |           | -0.90   | 180.00            |

### Design Annotations

| Measured Depth (ft)         | Vertical Depth (ft) | Local Coordinates | Comment    |
|-----------------------------|---------------------|-------------------|------------|
|                             |                     | +N/-S (ft)        | +E/-W (ft) |
| 9,690.0                     | 4,709.8             | -5,173.8          | 452.2      |
| 9,740.0                     | 4,708.6             | -5,223.8          | 452.3      |
| Last CES Survey @ 9,690' MD |                     |                   |            |
| PTB @ 9,740'                |                     |                   |            |

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

# **EnCana Oil & Gas (USA) Inc**

San Juan County, NM

S36-T24N-R10W (Good Times)

Good Times P36A-2410 03H

STK

Design: STK - FINAL

## **Survey Report - Geographic**

07 July, 2014

# Cathedral Energy Services

## Survey Report - Geographic

|                  |                            |                                     |                               |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Good Times P36A-2410 03H |
| <b>Project:</b>  | San Juan County, NM        | <b>TVD Reference:</b>               | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Site:</b>     | S36-T24N-R10W (Good Times) | <b>MD Reference:</b>                | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Well:</b>     | Good Times P36A-2410 03H   | <b>North Reference:</b>             | True                          |
| <b>Wellbore:</b> | STK                        | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | STK - FINAL                | <b>Database:</b>                    | USA EDM 5000 Multi Users DB   |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | San Juan 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 Western Zone   |                      |                |

|                       |                            |              |                 |                   |             |
|-----------------------|----------------------------|--------------|-----------------|-------------------|-------------|
| Site                  | S36-T24N-R10W (Good Times) |              |                 |                   |             |
| Site Position:        |                            | Northing:    | 1,937,831.40 ft | Latitude:         | 36.325610   |
| From:                 | Lat/Long                   | Easting:     | 2,706,101.56 ft | Longitude:        | -107.891030 |
| Position Uncertainty: | 0.0 ft                     | Slot Radius: | 13.200 in       | Grid Convergence: | -0.03 °     |

|                      |                          |        |                     |                 |               |             |
|----------------------|--------------------------|--------|---------------------|-----------------|---------------|-------------|
| Well                 | Good Times P36A-2410 03H |        |                     |                 |               |             |
| Well Position        | +N/-S                    | 0.0 ft | Northing:           | 1,915,406.07 ft | Latitude:     | 36.264020   |
|                      | +E/-W                    | 0.0 ft | Easting:            | 2,720,515.66 ft | Longitude:    | -107.842090 |
| Position Uncertainty |                          | 0.0 ft | Wellhead Elevation: | ft              | Ground Level: | 6,866.0 ft  |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | STK               |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 6/20/2014          | 9.50                   | 62.97                | 50,150                     |

|                          |                              |                   |                   |                      |     |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|-----|
| <b>Design</b>            | STK - 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) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Direction (°)</b> |     |
|                          | 0.0                          | 0.0               | 0.0               | 179.85               |     |

|                       |                |                          |                  |                    |  |
|-----------------------|----------------|--------------------------|------------------|--------------------|--|
| <b>Survey Program</b> | <b>Date</b>    | 7/7/2014                 |                  |                    |  |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |  |
| 166.0                 | 3,578.0        | Survey #1 (Hz)           | Geolink MWD      | Geolink MWD        |  |
| 3,609.0               | 9,740.0        | Survey #1 (STK)          | Geolink 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>Map Northing (ft)</b> | <b>Map Easting (ft)</b> | <b>Latitude</b> | <b>Longitude</b> |  |
| 0.0                        | 0.00                   | 0.00               | 0.0                        | 0.0               | 0.0               | 1,915,406.07             | 2,720,515.66            | 36.264020       | -107.842090      |  |
| 167.0                      | 1.10                   | 102.20             | 167.0                      | -0.3              | 1.6               | 1,915,405.73             | 2,720,517.22            | 36.264019       | -107.842085      |  |
| 264.0                      | 1.10                   | 106.40             | 264.0                      | -0.8              | 3.4               | 1,915,405.27             | 2,720,519.03            | 36.264018       | -107.842079      |  |
| 327.0                      | 1.00                   | 112.30             | 327.0                      | -1.2              | 4.5               | 1,915,404.89             | 2,720,520.12            | 36.264017       | -107.842075      |  |
| 390.0                      | 0.50                   | 124.10             | 390.0                      | -1.5              | 5.2               | 1,915,404.53             | 2,720,520.85            | 36.264016       | -107.842073      |  |
| 453.0                      | 0.30                   | 130.50             | 453.0                      | -1.8              | 5.5               | 1,915,404.27             | 2,720,521.21            | 36.264015       | -107.842071      |  |
| 470.0                      | 0.30                   | 134.20             | 470.0                      | -1.9              | 5.6               | 1,915,404.21             | 2,720,521.27            | 36.264015       | -107.842071      |  |
| 587.0                      | 0.30                   | 137.80             | 587.0                      | -2.3              | 6.0               | 1,915,403.77             | 2,720,521.70            | 36.264014       | -107.842070      |  |
| 650.0                      | 0.30                   | 154.40             | 650.0                      | -2.6              | 6.2               | 1,915,403.50             | 2,720,521.88            | 36.264013       | -107.842069      |  |
| 713.0                      | 0.30                   | 173.60             | 713.0                      | -2.9              | 6.3               | 1,915,403.18             | 2,720,521.97            | 36.264012       | -107.842069      |  |
| 777.0                      | 0.40                   | 150.00             | 776.9                      | -3.2              | 6.4               | 1,915,402.82             | 2,720,522.10            | 36.264011       | -107.842068      |  |

# Cathedral Energy Services

## Survey Report - Geographic

|                  |                            |                                     |                               |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Good Times P36A-2410 03H |
| <b>Project:</b>  | San Juan County, NM        | <b>TVD Reference:</b>               | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Site:</b>     | S36-T24N-R10W (Good Times) | <b>MD Reference:</b>                | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Well:</b>     | Good Times P36A-2410 03H   | <b>North Reference:</b>             | True                          |
| <b>Wellbore:</b> | STK                        | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | STK - 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) | Map<br>Northing<br>(ft) | Map<br>Easting<br>(ft) | Latitude  | Longitude   |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|-------------------------|------------------------|-----------|-------------|
| 840.0                     | 0.50               | 154.70         | 839.9                     | -3.7          | 6.7           | 1,915,402.38            | 2,720,522.33           | 36.264010 | -107.842068 |
| 903.0                     | 0.60               | 196.10         | 902.9                     | -4.3          | 6.7           | 1,915,401.82            | 2,720,522.35           | 36.264008 | -107.842068 |
| 965.0                     | 0.70               | 184.70         | 964.9                     | -4.9          | 6.6           | 1,915,401.13            | 2,720,522.23           | 36.264007 | -107.842068 |
| 1,029.0                   | 0.30               | 180.90         | 1,028.9                   | -5.5          | 6.5           | 1,915,400.57            | 2,720,522.20           | 36.264005 | -107.842068 |
| 1,091.0                   | 0.30               | 160.60         | 1,090.9                   | -5.8          | 6.6           | 1,915,400.26            | 2,720,522.25           | 36.264004 | -107.842068 |
| 1,154.0                   | 0.40               | 183.20         | 1,153.9                   | -6.2          | 6.6           | 1,915,399.88            | 2,720,522.29           | 36.264003 | -107.842068 |
| 1,218.0                   | 0.60               | 174.10         | 1,217.9                   | -6.7          | 6.7           | 1,915,399.33            | 2,720,522.31           | 36.264002 | -107.842068 |
| 1,281.0                   | 0.60               | 269.10         | 1,280.9                   | -7.1          | 6.4           | 1,915,398.99            | 2,720,522.02           | 36.264001 | -107.842069 |
| 1,344.0                   | 1.00               | 279.50         | 1,343.9                   | -7.0          | 5.5           | 1,915,399.08            | 2,720,521.14           | 36.264001 | -107.842072 |
| 1,407.0                   | 1.10               | 272.00         | 1,406.9                   | -6.9          | 4.3           | 1,915,399.19            | 2,720,520.00           | 36.264001 | -107.842076 |
| 1,470.0                   | 1.30               | 268.00         | 1,469.9                   | -6.9          | 3.0           | 1,915,399.19            | 2,720,518.68           | 36.264001 | -107.842080 |
| 1,533.0                   | 0.10               | 83.10          | 1,532.9                   | -6.9          | 2.4           | 1,915,399.17            | 2,720,518.02           | 36.264001 | -107.842082 |
| 1,596.0                   | 0.30               | 303.80         | 1,595.9                   | -6.8          | 2.3           | 1,915,399.27            | 2,720,517.94           | 36.264001 | -107.842083 |
| 1,659.0                   | 0.40               | 300.40         | 1,658.9                   | -6.6          | 2.0           | 1,915,399.47            | 2,720,517.61           | 36.264002 | -107.842084 |
| 1,722.0                   | 0.80               | 295.20         | 1,721.9                   | -6.3          | 1.4           | 1,915,399.77            | 2,720,517.02           | 36.264003 | -107.842086 |
| 1,784.0                   | 0.60               | 306.00         | 1,783.9                   | -5.9          | 0.7           | 1,915,400.14            | 2,720,516.37           | 36.264004 | -107.842088 |
| 1,847.0                   | 0.30               | 50.20          | 1,846.9                   | -5.6          | 0.6           | 1,915,400.44            | 2,720,516.23           | 36.264005 | -107.842088 |
| 1,910.0                   | 0.50               | 84.70          | 1,909.9                   | -5.5          | 1.0           | 1,915,400.57            | 2,720,516.63           | 36.264005 | -107.842087 |
| 1,973.0                   | 0.60               | 84.00          | 1,972.9                   | -5.4          | 1.6           | 1,915,400.63            | 2,720,517.23           | 36.264005 | -107.842085 |
| 2,036.0                   | 0.50               | 102.20         | 2,035.9                   | -5.5          | 2.2           | 1,915,400.61            | 2,720,517.83           | 36.264005 | -107.842083 |
| 2,099.0                   | 0.40               | 99.50          | 2,098.9                   | -5.6          | 2.7           | 1,915,400.52            | 2,720,518.31           | 36.264005 | -107.842081 |
| 2,162.0                   | 0.40               | 94.10          | 2,161.9                   | -5.6          | 3.1           | 1,915,400.46            | 2,720,518.75           | 36.264005 | -107.842080 |
| 2,225.0                   | 0.60               | 87.50          | 2,224.9                   | -5.6          | 3.6           | 1,915,400.46            | 2,720,519.30           | 36.264005 | -107.842078 |
| 2,287.0                   | 0.60               | 92.70          | 2,286.9                   | -5.6          | 4.3           | 1,915,400.46            | 2,720,519.95           | 36.264005 | -107.842076 |
| 2,351.0                   | 0.60               | 94.20          | 2,350.9                   | -5.6          | 5.0           | 1,915,400.42            | 2,720,520.62           | 36.264005 | -107.842073 |
| 2,413.0                   | 0.80               | 102.10         | 2,412.9                   | -5.8          | 5.7           | 1,915,400.31            | 2,720,521.36           | 36.264004 | -107.842071 |
| 2,476.0                   | 0.80               | 101.90         | 2,475.9                   | -5.9          | 6.6           | 1,915,400.12            | 2,720,522.22           | 36.264004 | -107.842068 |
| 2,538.0                   | 0.80               | 104.30         | 2,537.9                   | -6.1          | 7.4           | 1,915,399.93            | 2,720,523.07           | 36.264003 | -107.842065 |
| 2,601.0                   | 0.50               | 221.80         | 2,600.9                   | -6.5          | 7.7           | 1,915,399.61            | 2,720,523.31           | 36.264002 | -107.842064 |
| 2,664.0                   | 0.80               | 259.70         | 2,663.8                   | -6.7          | 7.0           | 1,915,399.33            | 2,720,522.69           | 36.264002 | -107.842066 |
| 2,727.0                   | 0.80               | 247.80         | 2,726.8                   | -7.0          | 6.2           | 1,915,399.08            | 2,720,521.85           | 36.264001 | -107.842069 |
| 2,790.0                   | 1.00               | 255.40         | 2,789.8                   | -7.3          | 5.3           | 1,915,398.78            | 2,720,520.91           | 36.264000 | -107.842072 |
| 2,853.0                   | 0.80               | 21.30          | 2,852.8                   | -7.0          | 4.9           | 1,915,399.05            | 2,720,520.54           | 36.264001 | -107.842074 |
| 2,916.0                   | 1.50               | 53.30          | 2,915.8                   | -6.1          | 5.7           | 1,915,399.95            | 2,720,521.36           | 36.264003 | -107.842071 |
| 2,948.0                   | 1.70               | 58.20          | 2,947.8                   | -5.6          | 6.4           | 1,915,400.45            | 2,720,522.10           | 36.264005 | -107.842068 |
| 3,011.0                   | 3.20               | 70.20          | 3,010.7                   | -4.5          | 8.9           | 1,915,401.54            | 2,720,524.55           | 36.264008 | -107.842060 |
| 3,074.0                   | 4.20               | 77.50          | 3,073.6                   | -3.4          | 12.8          | 1,915,402.64            | 2,720,528.46           | 36.264011 | -107.842047 |
| 3,138.0                   | 5.50               | 84.90          | 3,137.4                   | -2.7          | 18.1          | 1,915,403.42            | 2,720,533.80           | 36.264013 | -107.842029 |
| 3,201.0                   | 7.20               | 88.40          | 3,200.0                   | -2.3          | 25.1          | 1,915,403.79            | 2,720,540.75           | 36.264014 | -107.842005 |
| 3,264.0                   | 8.90               | 90.80          | 3,262.4                   | -2.2          | 33.9          | 1,915,403.84            | 2,720,549.57           | 36.264014 | -107.841975 |
| 3,326.0                   | 9.30               | 90.40          | 3,323.6                   | -2.3          | 43.7          | 1,915,403.73            | 2,720,559.38           | 36.264014 | -107.841942 |
| 3,389.0                   | 10.20              | 89.30          | 3,385.7                   | -2.3          | 54.4          | 1,915,403.76            | 2,720,570.05           | 36.264014 | -107.841906 |
| 3,452.0                   | 11.60              | 84.30          | 3,447.5                   | -1.6          | 66.3          | 1,915,404.46            | 2,720,581.93           | 36.264016 | -107.841865 |
| 3,515.0                   | 12.80              | 86.90          | 3,509.1                   | -0.6          | 79.5          | 1,915,405.47            | 2,720,595.20           | 36.264018 | -107.841820 |
| 3,578.0                   | 14.00              | 94.10          | 3,570.4                   | -0.8          | 94.1          | 1,915,405.30            | 2,720,609.77           | 36.264018 | -107.841771 |
| 3,609.0                   | 14.00              | 96.90          | 3,600.5                   | -1.5          | 101.6         | 1,915,404.58            | 2,720,617.23           | 36.264016 | -107.841746 |
| 3,641.0                   | 12.60              | 104.80         | 3,631.6                   | -2.8          | 108.8         | 1,915,403.22            | 2,720,624.45           | 36.264012 | -107.841721 |
| 3,672.0                   | 11.60              | 117.00         | 3,661.9                   | -5.1          | 114.8         | 1,915,400.94            | 2,720,630.50           | 36.264006 | -107.841701 |
| 3,704.0                   | 11.80              | 120.00         | 3,693.3                   | -8.2          | 120.5         | 1,915,397.84            | 2,720,636.20           | 36.263998 | -107.841681 |
| 3,735.0                   | 13.20              | 114.50         | 3,723.5                   | -11.3         | 126.5         | 1,915,394.79            | 2,720,642.17           | 36.263989 | -107.841661 |
| 3,767.0                   | 15.60              | 111.60         | 3,754.5                   | -14.4         | 133.8         | 1,915,391.69            | 2,720,649.49           | 36.263981 | -107.841636 |
| 3,798.0                   | 17.40              | 110.20         | 3,784.3                   | -17.5         | 142.1         | 1,915,388.55            | 2,720,657.72           | 36.263972 | -107.841608 |
| 3,830.0                   | 17.50              | 109.80         | 3,814.8                   | -20.8         | 151.1         | 1,915,385.27            | 2,720,666.73           | 36.263963 | -107.841578 |
| 3,893.0                   | 17.60              | 101.30         | 3,874.9                   | -25.9         | 169.3         | 1,915,380.19            | 2,720,684.99           | 36.263949 | -107.841516 |
| 3,956.0                   | 15.50              | 104.10         | 3,935.3                   | -29.8         | 186.8         | 1,915,376.27            | 2,720,702.50           | 36.263938 | -107.841456 |

# Cathedral Energy Services

## Survey Report - Geographic

|                  |                            |                                     |                               |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Good Times P36A-2410 03H |
| <b>Project:</b>  | San Juan County, NM        | <b>TVD Reference:</b>               | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Site:</b>     | S36-T24N-R10W (Good Times) | <b>MD Reference:</b>                | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Well:</b>     | Good Times P36A-2410 03H   | <b>North Reference:</b>             | True                          |
| <b>Wellbore:</b> | STK                        | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | STK - 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) | Map<br>Northing<br>(ft) | Map<br>Easting<br>(ft) | Latitude  | Longitude   |
| 4,019.0                   | 15.30              | 105.60         | 3,996.0                   | -34.1         | 203.0         | 1,915,371.99            | 2,720,718.67           | 36.263927 | -107.841402 |
| 4,082.0                   | 15.80              | 108.20         | 4,056.7                   | -39.0         | 219.2         | 1,915,367.07            | 2,720,734.82           | 36.263913 | -107.841347 |
| 4,145.0                   | 16.30              | 104.60         | 4,117.2                   | -43.9         | 235.9         | 1,915,362.16            | 2,720,751.52           | 36.263900 | -107.841290 |
| 4,176.0                   | 15.80              | 103.00         | 4,147.0                   | -45.9         | 244.2         | 1,915,360.12            | 2,720,759.84           | 36.263894 | -107.841262 |
| 4,208.0                   | 15.40              | 102.70         | 4,177.8                   | -47.8         | 252.6         | 1,915,358.20            | 2,720,768.23           | 36.263889 | -107.841233 |
| 4,239.0                   | 16.20              | 111.60         | 4,207.7                   | -50.3         | 260.6         | 1,915,355.70            | 2,720,776.27           | 36.263882 | -107.841206 |
| 4,271.0                   | 17.20              | 120.90         | 4,238.3                   | -54.4         | 268.8         | 1,915,351.63            | 2,720,784.48           | 36.263871 | -107.841178 |
| 4,303.0                   | 18.20              | 127.80         | 4,268.8                   | -59.9         | 276.8         | 1,915,346.13            | 2,720,792.49           | 36.263856 | -107.841151 |
| 4,334.0                   | 19.50              | 134.10         | 4,298.2                   | -66.5         | 284.4         | 1,915,339.57            | 2,720,800.03           | 36.263837 | -107.841126 |
| 4,365.0                   | 21.40              | 138.90         | 4,327.2                   | -74.3         | 291.8         | 1,915,331.70            | 2,720,807.47           | 36.263816 | -107.841100 |
| 4,397.0                   | 23.90              | 143.00         | 4,356.7                   | -83.9         | 299.6         | 1,915,322.12            | 2,720,815.21           | 36.263790 | -107.841074 |
| 4,429.0                   | 26.30              | 146.60         | 4,385.7                   | -95.0         | 307.4         | 1,915,311.02            | 2,720,823.01           | 36.263759 | -107.841048 |
| 4,460.0                   | 28.50              | 148.20         | 4,413.2                   | -107.0        | 315.0         | 1,915,299.00            | 2,720,830.69           | 36.263726 | -107.841022 |
| 4,492.0                   | 31.50              | 150.40         | 4,440.9                   | -120.8        | 323.2         | 1,915,285.24            | 2,720,838.84           | 36.263688 | -107.840994 |
| 4,523.0                   | 33.70              | 151.90         | 4,467.1                   | -135.4        | 331.2         | 1,915,270.61            | 2,720,846.89           | 36.263648 | -107.840967 |
| 4,554.0                   | 36.10              | 153.20         | 4,492.5                   | -151.2        | 339.4         | 1,915,254.87            | 2,720,855.06           | 36.263605 | -107.840939 |
| 4,586.0                   | 37.80              | 155.90         | 4,518.1                   | -168.5        | 347.7         | 1,915,237.50            | 2,720,863.32           | 36.263557 | -107.840911 |
| 4,617.0                   | 40.40              | 158.80         | 4,542.1                   | -186.6        | 355.2         | 1,915,219.45            | 2,720,870.83           | 36.263508 | -107.840885 |
| 4,649.0                   | 42.00              | 160.60         | 4,568.2                   | -206.4        | 362.5         | 1,915,199.69            | 2,720,878.13           | 36.263453 | -107.840861 |
| 4,680.0                   | 44.50              | 163.00         | 4,588.8                   | -226.5        | 369.1         | 1,915,179.51            | 2,720,884.75           | 36.263398 | -107.840838 |
| 4,712.0                   | 47.00              | 165.00         | 4,611.1                   | -248.6        | 375.4         | 1,915,157.48            | 2,720,891.06           | 36.263337 | -107.840817 |
| 4,743.0                   | 49.20              | 167.10         | 4,631.8                   | -271.0        | 381.0         | 1,915,135.08            | 2,720,896.61           | 36.263276 | -107.840798 |
| 4,775.0                   | 52.00              | 168.20         | 4,652.1                   | -295.1        | 386.3         | 1,915,110.93            | 2,720,901.89           | 36.263209 | -107.840780 |
| 4,806.0                   | 54.90              | 168.50         | 4,670.6                   | -319.5        | 391.3         | 1,915,086.54            | 2,720,906.92           | 36.263142 | -107.840763 |
| 4,838.0                   | 58.10              | 168.90         | 4,688.2                   | -345.7        | 396.5         | 1,915,060.38            | 2,720,912.14           | 36.263071 | -107.840745 |
| 4,869.0                   | 61.30              | 169.10         | 4,703.9                   | -371.9        | 401.6         | 1,915,034.11            | 2,720,917.25           | 36.262998 | -107.840728 |
| 4,900.0                   | 64.50              | 170.40         | 4,718.0                   | -399.1        | 406.5         | 1,915,006.95            | 2,720,922.15           | 36.262924 | -107.840711 |
| 4,932.0                   | 66.80              | 170.20         | 4,731.2                   | -427.8        | 411.4         | 1,914,978.22            | 2,720,927.06           | 36.262845 | -107.840695 |
| 4,964.0                   | 69.50              | 171.60         | 4,743.1                   | -457.1        | 416.1         | 1,914,948.89            | 2,720,931.75           | 36.262764 | -107.840679 |
| 4,995.0                   | 71.90              | 172.40         | 4,753.3                   | -486.1        | 420.2         | 1,914,919.92            | 2,720,935.82           | 36.262685 | -107.840665 |
| 5,027.0                   | 75.20              | 173.40         | 4,762.4                   | -516.6        | 424.0         | 1,914,889.47            | 2,720,939.60           | 36.262601 | -107.840652 |
| 5,058.0                   | 77.40              | 175.30         | 4,769.7                   | -546.5        | 427.0         | 1,914,859.50            | 2,720,942.56           | 36.262519 | -107.840642 |
| 5,085.0                   | 77.60              | 175.80         | 4,775.6                   | -572.8        | 429.0         | 1,914,833.22            | 2,720,944.61           | 36.262447 | -107.840635 |
| 5,117.0                   | 80.00              | 177.60         | 4,781.8                   | -604.1        | 430.8         | 1,914,801.89            | 2,720,946.41           | 36.262360 | -107.840629 |
| 5,148.0                   | 83.90              | 179.70         | 4,786.1                   | -634.8        | 431.5         | 1,914,771.21            | 2,720,947.13           | 36.262276 | -107.840627 |
| 5,180.0                   | 88.20              | 181.30         | 4,788.3                   | -666.7        | 431.2         | 1,914,739.30            | 2,720,946.84           | 36.262189 | -107.840627 |
| 5,211.0                   | 90.40              | 181.90         | 4,788.7                   | -697.7        | 430.4         | 1,914,708.31            | 2,720,945.98           | 36.262103 | -107.840630 |
| 5,274.0                   | 92.50              | 182.50         | 4,787.1                   | -760.6        | 428.0         | 1,914,645.38            | 2,720,943.55           | 36.261931 | -107.840639 |
| 5,337.0                   | 93.30              | 180.70         | 4,783.9                   | -823.5        | 426.2         | 1,914,582.49            | 2,720,941.79           | 36.261758 | -107.840645 |
| 5,398.0                   | 92.40              | 178.90         | 4,780.9                   | -884.5        | 426.4         | 1,914,521.57            | 2,720,942.00           | 36.261590 | -107.840644 |
| 5,459.0                   | 91.20              | 177.70         | 4,779.0                   | -945.4        | 428.2         | 1,914,460.63            | 2,720,943.80           | 36.261423 | -107.840638 |
| 5,520.0                   | 91.40              | 178.10         | 4,777.6                   | -1,006.3      | 430.5         | 1,914,399.69            | 2,720,946.03           | 36.261256 | -107.840630 |
| 5,581.0                   | 91.30              | 176.70         | 4,776.2                   | -1,067.3      | 433.2         | 1,914,338.77            | 2,720,948.79           | 36.261088 | -107.840621 |
| 5,642.0                   | 91.10              | 176.60         | 4,774.9                   | -1,128.1      | 436.8         | 1,914,277.88            | 2,720,952.35           | 36.260921 | -107.840609 |
| 5,703.0                   | 90.90              | 178.70         | 4,773.8                   | -1,189.1      | 439.3         | 1,914,216.95            | 2,720,954.84           | 36.260754 | -107.840600 |
| 5,764.0                   | 91.30              | 178.30         | 4,772.7                   | -1,250.1      | 440.9         | 1,914,155.98            | 2,720,956.44           | 36.260586 | -107.840595 |
| 5,825.0                   | 91.50              | 179.60         | 4,771.2                   | -1,311.0      | 442.0         | 1,914,095.01            | 2,720,957.55           | 36.260419 | -107.840591 |
| 5,886.0                   | 90.60              | 179.10         | 4,770.1                   | -1,372.0      | 442.7         | 1,914,034.01            | 2,720,958.23           | 36.260251 | -107.840589 |
| 5,947.0                   | 90.90              | 179.70         | 4,769.3                   | -1,433.0      | 443.3         | 1,913,973.02            | 2,720,958.87           | 36.260084 | -107.840586 |
| 6,009.0                   | 91.10              | 181.40         | 4,768.2                   | -1,495.0      | 442.7         | 1,913,911.04            | 2,720,958.27           | 36.259913 | -107.840589 |
| 6,070.0                   | 90.80              | 180.10         | 4,767.2                   | -1,556.0      | 441.9         | 1,913,850.05            | 2,720,957.46           | 36.259746 | -107.840591 |
| 6,131.0                   | 90.80              | 179.20         | 4,766.3                   | -1,617.0      | 442.3         | 1,913,789.06            | 2,720,957.83           | 36.259578 | -107.840590 |
| 6,192.0                   | 90.40              | 178.40         | 4,765.7                   | -1,678.0      | 443.6         | 1,913,728.08            | 2,720,959.10           | 36.259411 | -107.840586 |
| 6,253.0                   | 91.00              | 178.40         | 4,764.9                   | -1,738.9      | 445.3         | 1,913,667.10            | 2,720,960.80           | 36.259243 | -107.840580 |
| 6,314.0                   | 89.90              | 179.50         | 4,764.4                   | -1,799.9      | 446.4         | 1,913,606.12            | 2,720,961.91           | 36.259076 | -107.840576 |

# Cathedral Energy Services

## Survey Report - Geographic

|                  |                            |                                     |                               |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Good Times P36A-2410 03H |
| <b>Project:</b>  | San Juan County, NM        | <b>TVD Reference:</b>               | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Site:</b>     | S36-T24N-R10W (Good Times) | <b>MD Reference:</b>                | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Well:</b>     | Good Times P36A-2410 03H   | <b>North Reference:</b>             | True                          |
| <b>Wellbore:</b> | STK                        | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | STK - 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) | Map<br>Northing<br>(ft) | Map<br>Easting<br>(ft) | Latitude  | Longitude   |
| 6,375.0                   | 90.60              | 181.30         | 4,764.2                   | -1,860.9      | 446.0         | 1,913,545.12            | 2,720,961.48           | 36.258908 | -107.840578 |
| 6,436.0                   | 90.80              | 180.80         | 4,763.4                   | -1,921.9      | 444.9         | 1,913,484.14            | 2,720,960.36           | 36.258741 | -107.840581 |
| 6,497.0                   | 92.50              | 180.90         | 4,761.7                   | -1,982.9      | 444.0         | 1,913,423.17            | 2,720,959.45           | 36.258573 | -107.840584 |
| 6,559.0                   | 91.30              | 181.90         | 4,759.6                   | -2,044.8      | 442.5         | 1,913,361.23            | 2,720,957.93           | 36.258403 | -107.840590 |
| 6,619.0                   | 91.00              | 181.50         | 4,758.4                   | -2,104.8      | 440.7         | 1,913,301.28            | 2,720,956.14           | 36.258238 | -107.840596 |
| 6,680.0                   | 90.80              | 182.60         | 4,757.5                   | -2,165.7      | 438.5         | 1,913,240.33            | 2,720,953.96           | 36.258071 | -107.840603 |
| 6,741.0                   | 91.40              | 182.20         | 4,756.3                   | -2,226.6      | 435.9         | 1,913,179.39            | 2,720,951.40           | 36.257903 | -107.840612 |
| 6,804.0                   | 92.30              | 180.30         | 4,754.3                   | -2,289.6      | 434.6         | 1,913,116.44            | 2,720,950.02           | 36.257730 | -107.840616 |
| 6,867.0                   | 91.60              | 179.90         | 4,752.1                   | -2,352.6      | 434.5         | 1,913,053.48            | 2,720,949.90           | 36.257557 | -107.840617 |
| 6,930.0                   | 90.40              | 179.70         | 4,751.0                   | -2,415.5      | 434.7         | 1,912,990.49            | 2,720,950.11           | 36.257384 | -107.840616 |
| 6,992.0                   | 90.70              | 177.10         | 4,750.4                   | -2,477.5      | 436.4         | 1,912,928.52            | 2,720,951.84           | 36.257214 | -107.840610 |
| 7,055.0                   | 90.40              | 177.00         | 4,749.8                   | -2,540.4      | 439.6         | 1,912,865.61            | 2,720,955.08           | 36.257041 | -107.840599 |
| 7,119.0                   | 90.20              | 180.70         | 4,749.5                   | -2,604.4      | 440.9         | 1,912,801.63            | 2,720,956.36           | 36.256866 | -107.840595 |
| 7,182.0                   | 91.40              | 181.50         | 4,748.6                   | -2,667.4      | 439.7         | 1,912,738.65            | 2,720,955.14           | 36.256693 | -107.840599 |
| 7,245.0                   | 92.00              | 182.00         | 4,746.7                   | -2,730.3      | 437.8         | 1,912,675.71            | 2,720,953.21           | 36.256520 | -107.840605 |
| 7,307.0                   | 91.90              | 182.70         | 4,744.6                   | -2,792.2      | 435.3         | 1,912,613.80            | 2,720,950.67           | 36.256350 | -107.840614 |
| 7,369.0                   | 91.50              | 180.00         | 4,742.8                   | -2,854.2      | 433.8         | 1,912,551.85            | 2,720,949.20           | 36.256179 | -107.840619 |
| 7,432.0                   | 90.90              | 180.50         | 4,741.5                   | -2,917.2      | 433.5         | 1,912,488.87            | 2,720,948.92           | 36.256006 | -107.840620 |
| 7,495.0                   | 89.80              | 179.00         | 4,741.1                   | -2,980.2      | 433.8         | 1,912,425.87            | 2,720,949.19           | 36.255833 | -107.840619 |
| 7,558.0                   | 90.40              | 180.50         | 4,741.0                   | -3,043.2      | 434.1         | 1,912,362.87            | 2,720,949.46           | 36.255660 | -107.840618 |
| 7,621.0                   | 90.70              | 178.40         | 4,740.4                   | -3,106.1      | 434.7         | 1,912,299.88            | 2,720,950.06           | 36.255487 | -107.840616 |
| 7,684.0                   | 90.20              | 175.70         | 4,739.9                   | -3,169.1      | 437.9         | 1,912,236.97            | 2,720,953.29           | 36.255314 | -107.840605 |
| 7,747.0                   | 92.10              | 179.60         | 4,738.6                   | -3,232.0      | 440.5         | 1,912,174.05            | 2,720,955.87           | 36.255142 | -107.840596 |
| 7,810.0                   | 91.10              | 179.50         | 4,736.8                   | -3,294.9      | 441.0         | 1,912,111.08            | 2,720,956.36           | 36.254969 | -107.840595 |
| 7,873.0                   | 90.80              | 179.00         | 4,735.8                   | -3,357.9      | 441.8         | 1,912,048.10            | 2,720,957.18           | 36.254796 | -107.840592 |
| 7,936.0                   | 91.10              | 178.00         | 4,734.8                   | -3,420.9      | 443.5         | 1,911,985.13            | 2,720,958.82           | 36.254623 | -107.840586 |
| 7,999.0                   | 90.80              | 176.60         | 4,733.7                   | -3,483.8      | 446.4         | 1,911,922.21            | 2,720,961.78           | 36.254450 | -107.840576 |
| 8,062.0                   | 90.20              | 177.90         | 4,733.2                   | -3,546.7      | 449.5         | 1,911,859.28            | 2,720,964.80           | 36.254277 | -107.840566 |
| 8,124.0                   | 91.20              | 181.90         | 4,732.4                   | -3,608.7      | 449.6         | 1,911,797.30            | 2,720,964.90           | 36.254107 | -107.840565 |
| 8,187.0                   | 90.80              | 181.30         | 4,731.3                   | -3,671.7      | 447.8         | 1,911,734.34            | 2,720,963.14           | 36.253934 | -107.840571 |
| 8,250.0                   | 90.80              | 181.50         | 4,730.4                   | -3,734.7      | 446.3         | 1,911,671.36            | 2,720,961.59           | 36.253761 | -107.840577 |
| 8,313.0                   | 91.10              | 181.20         | 4,729.4                   | -3,797.6      | 444.8         | 1,911,608.39            | 2,720,960.10           | 36.253588 | -107.840582 |
| 8,376.0                   | 90.30              | 180.30         | 4,728.6                   | -3,860.6      | 444.0         | 1,911,545.40            | 2,720,959.27           | 36.253415 | -107.840584 |
| 8,439.0                   | 91.40              | 181.00         | 4,727.7                   | -3,923.6      | 443.2         | 1,911,482.41            | 2,720,958.55           | 36.253242 | -107.840587 |
| 8,502.0                   | 89.30              | 177.30         | 4,727.3                   | -3,986.6      | 444.2         | 1,911,419.43            | 2,720,959.48           | 36.253069 | -107.840584 |
| 8,565.0                   | 88.60              | 179.20         | 4,728.4                   | -4,049.6      | 446.1         | 1,911,356.48            | 2,720,961.40           | 36.252896 | -107.840577 |
| 8,628.0                   | 89.60              | 180.60         | 4,729.4                   | -4,112.5      | 446.2         | 1,911,293.49            | 2,720,961.50           | 36.252723 | -107.840577 |
| 8,691.0                   | 92.60              | 181.30         | 4,728.2                   | -4,175.5      | 445.2         | 1,911,230.51            | 2,720,960.45           | 36.252550 | -107.840580 |
| 8,755.0                   | 91.50              | 182.20         | 4,725.9                   | -4,239.4      | 443.2         | 1,911,166.59            | 2,720,958.49           | 36.252374 | -107.840587 |
| 8,818.0                   | 91.20              | 180.50         | 4,724.4                   | -4,302.4      | 441.7         | 1,911,103.62            | 2,720,957.01           | 36.252201 | -107.840592 |
| 8,881.0                   | 89.90              | 178.30         | 4,723.8                   | -4,365.4      | 442.4         | 1,911,040.64            | 2,720,957.66           | 36.252028 | -107.840590 |
| 8,944.0                   | 90.30              | 178.40         | 4,723.7                   | -4,428.4      | 444.2         | 1,910,977.66            | 2,720,959.47           | 36.251855 | -107.840584 |
| 9,007.0                   | 91.40              | 179.50         | 4,722.8                   | -4,491.3      | 445.4         | 1,910,914.68            | 2,720,960.62           | 36.251682 | -107.840580 |
| 9,070.0                   | 92.70              | 178.90         | 4,720.5                   | -4,554.3      | 446.2         | 1,910,851.71            | 2,720,961.49           | 36.251509 | -107.840577 |
| 9,133.0                   | 89.30              | 175.40         | 4,719.4                   | -4,617.2      | 449.4         | 1,910,788.82            | 2,720,964.62           | 36.251336 | -107.840566 |
| 9,196.0                   | 89.10              | 177.60         | 4,720.3                   | -4,680.1      | 453.2         | 1,910,725.94            | 2,720,968.46           | 36.251164 | -107.840553 |
| 9,259.0                   | 90.80              | 179.50         | 4,720.4                   | -4,743.1      | 454.8         | 1,910,662.97            | 2,720,970.04           | 36.250991 | -107.840548 |
| 9,322.0                   | 90.80              | 180.10         | 4,719.5                   | -4,806.1      | 455.0         | 1,910,599.98            | 2,720,970.26           | 36.250818 | -107.840547 |
| 9,386.0                   | 92.30              | 181.60         | 4,717.8                   | -4,870.0      | 454.1         | 1,910,536.01            | 2,720,969.30           | 36.250642 | -107.840550 |
| 9,449.0                   | 92.20              | 181.30         | 4,715.3                   | -4,932.9      | 452.5         | 1,910,473.08            | 2,720,967.71           | 36.250469 | -107.840556 |
| 9,512.0                   | 92.00              | 181.30         | 4,713.0                   | -4,995.9      | 451.1         | 1,910,410.14            | 2,720,966.27           | 36.250296 | -107.840560 |
| 9,575.0                   | 90.30              | 178.80         | 4,711.7                   | -5,058.9      | 451.0         | 1,910,347.16            | 2,720,966.21           | 36.250123 | -107.840561 |
| 9,638.0                   | 91.10              | 179.60         | 4,711.0                   | -5,121.9      | 451.9         | 1,910,284.17            | 2,720,967.08           | 36.249950 | -107.840558 |
| 9,690.0                   | 91.40              | 179.80         | 4,709.8                   | -5,173.8      | 452.2         | 1,910,232.20            | 2,720,967.35           | 36.249807 | -107.840557 |

Last CES Survey @ 9,690' MD

# Cathedral Energy Services

## Survey Report - Geographic

|                  |                            |                                     |                               |
|------------------|----------------------------|-------------------------------------|-------------------------------|
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc | <b>Local Co-ordinate Reference:</b> | Well Good Times P36A-2410 03H |
| <b>Project:</b>  | San Juan County, NM        | <b>TVD Reference:</b>               | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Site:</b>     | S36-T24N-R10W (Good Times) | <b>MD Reference:</b>                | 16' KB @ 6882.0ft (Aztec 950) |
| <b>Well:</b>     | Good Times P36A-2410 03H   | <b>North Reference:</b>             | True                          |
| <b>Wellbore:</b> | STK                        | <b>Survey Calculation Method:</b>   | Minimum Curvature             |
| <b>Design:</b>   | STK - 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) | Map Northing (ft) | Map Easting (ft) | Latitude  | Longitude   |
| 9,740.0             | 91.40           | 179.80      | 4,708.6             | -5,223.8   | 452.3      | 1,910,182.22      | 2,720,967.52     | 36.249670 | -107.840556 |
| PTB @ 9,740'        |                 |             |                     |            |            |                   |                  |           |             |

| Design 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                                                                                          |               |              |          |            |            |               |              |           |             |
| Good Times P36A-2410                                                                             | 0.00          | 0.00         | 4,708.6  | -5,238.3   | 445.2      | 1,910,167.73  | 2,720,960.41 | 36.249630 | -107.840580 |
| - actual wellpath misses target center by 16.1ft at 9740.0ft MD (4708.6 TVD, -5223.8 N, 452.3 E) |               |              |          |            |            |               |              |           |             |
| - Point                                                                                          |               |              |          |            |            |               |              |           |             |
| Good Times P36A-2410                                                                             | 0.00          | 0.00         | 4,780.2  | -688.9     | 433.6      | 1,914,717.13  | 2,720,949.20 | 36.262128 | -107.840619 |
| - actual wellpath misses target center by 9.0ft at 5202.0ft MD (4788.7 TVD, -688.7 N, 430.7 E)   |               |              |          |            |            |               |              |           |             |
| - Point                                                                                          |               |              |          |            |            |               |              |           |             |

| Formations          |                     |             |           |         |                   |  |
|---------------------|---------------------|-------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name        | Lithology | Dip (°) | Dip Direction (°) |  |
| 5,105.3             | 4,779.7             | Target Line |           | -0.90   | 180.00            |  |

| Design Annotations  |                     |                   |            |                             |  |
|---------------------|---------------------|-------------------|------------|-----------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            | Comment                     |  |
|                     |                     | +N/-S (ft)        | +E/-W (ft) |                             |  |
| 9,690.0             | 4,709.8             | -5,173.8          | 452.2      | Last CES Survey @ 9,690' MD |  |
| 9,740.0             | 4,708.6             | -5,223.8          | 452.3      | PTB @ 9,740'                |  |

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