

# ENCANA OIL & GAS (USA) INC

Location: COLORADO Slot: Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL  
 Field: GARFIELD COUNTY (NEW) Well: Federal 25-1  
 Facility: SEC.25-T7S-R96W Wellbore: Federal 25-1 PWB

|  |  |   |  |
|--|--|---|--|
| Plot reference wellpath is Federal 25-1 PWP Rev-A.0  |  | Grid System: NAD83 / Lambert Colorado State Planes, Central Zone (502), US feet |  |
| True vertical depths are referenced to Rig on Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL (RT) |  | North Reference: True north   |  |
| Measured depths are referenced to Rig on Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL (RT)      |  | Scale: True distance  |  |
| Rig on Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL (RT) to Mean Sea Level: 6086 feet           |  | Depths are in feet  |  |
| Mean Sea Level to Mud line (Facility: SEC.25-T7S-R96W): 0 feet                                     |  | Created by: rhomsuzc on 10/16/2009  |  |
| Coordinates are in feet referenced to Slot   |  |   |  |

### Location Information

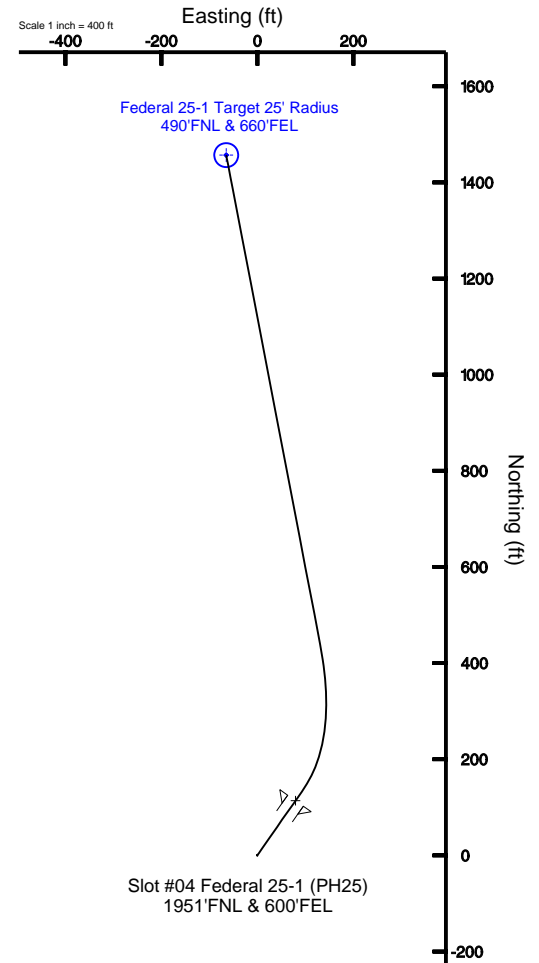
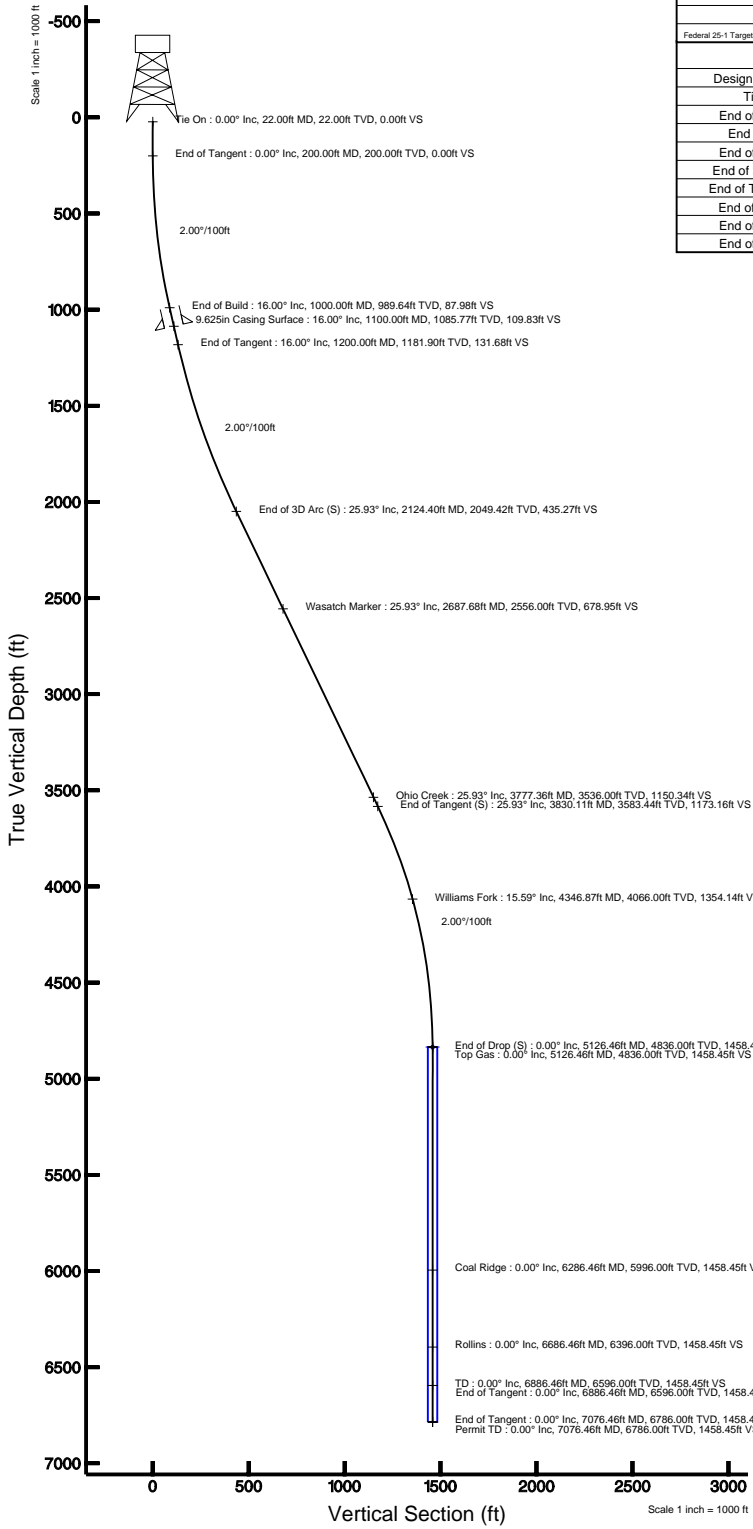
|   |              |                 |                  |                  |                 |                 |
|---|--------------|-----------------|------------------|------------------|-----------------|-----------------|
| Facility Name   |              | Grid East (USR) | Grid North (USR) | Latitude         | Longitude       |                 |
| SEC.25-T7S-R96W   |              | 2279388.355     | 1584500.194      | 39°24'37.584"N   | 108°03'02.808"W |                 |
| Slot  | Local N (ft) | Local E (ft)    | Grid East (USR)  | Grid North (USR) | Latitude        | Longitude       |
| Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL   | 7.28         | -8.48           | 2279380.086      | 1584507.714      | 39°24'37.656"N  | 108°03'02.916"W |
| Rig on Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL (RT) to Mud line (Facility: SEC.25-T7S-R96W) |              |                 |                  |                  | 6086ft          |                 |
| Mean Sea Level to Mud line (Facility: SEC.25-T7S-R96W)  |              |                 |                  |                  | 0ft             |                 |
| Rig on Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL (RT) to Mean Sea Level                       |              |                 |                  |                  | 6086ft          |                 |

### Targets

| Name   | MD (ft) | TVD (ft) | Local N (ft) | Local E (ft) | Grid East (USR) | Grid North (USR) | Latitude       | Longitude       |
|--|---------|----------|--------------|--------------|-----------------|------------------|----------------|-----------------|
| Federal 25-1 Target 25' Radius 490'FNL & 660'FEL | 5126.46 | 4836.00  | 1457.00      | -64.98       | 2279386.03      | 1585965.89       | 39°24'52.058"N | 108°03'03.744"W |

### Well Profile Data

| Design Comment     | MD (ft) | Inc (°) | Az (°)  | TVD (ft) | Local N (ft) | Local E (ft) | DLS (°/100ft) | VS (ft) |
|--------------------|---------|---------|---------|----------|--------------|--------------|---------------|---------|
| Tie On             | 22.00   | 0.000   | 35.000  | 22.00    | 0.00         | 0.00         | 0.00          | 0.00    |
| End of Tangent     | 200.00  | 0.000   | 35.000  | 200.00   | 0.00         | 0.00         | 0.00          | 0.00    |
| End of Build       | 1000.00 | 16.000  | 35.000  | 989.64   | 90.91        | 63.65        | 2.00          | 87.98   |
| End of Tangent     | 1200.00 | 16.000  | 35.000  | 1181.90  | 136.06       | 95.27        | 0.00          | 131.68  |
| End of 3D Arc (S)  | 2124.40 | 25.927  | 349.106 | 2049.42  | 441.52       | 130.46       | 2.00          | 435.27  |
| End of Tangent (S) | 3830.11 | 25.927  | 349.106 | 3583.44  | 1173.86      | -10.49       | 0.00          | 1173.16 |
| End of Drop (S)    | 5126.46 | 0.000   | 349.106 | 4836.00  | 1457.00      | -64.98       | 2.00          | 1458.45 |
| End of Tangent     | 6886.46 | 0.000   | 349.106 | 6596.00  | 1457.00      | -64.98       | 0.00          | 1458.45 |
| End of Tangent     | 7076.46 | 0.000   | 349.106 | 6786.00  | 1457.00      | -64.98       | 0.00          | 1458.45 |



BCGM (1945.0 to 2011.0) Dip: 65.73° Field: 52426.9 nT  
 Magnetic North is 10.59 degrees East of True North (at 10/13/2009)  
 To correct azimuth from Magnetic to True add 10.59 degrees



# Planned Wellpath Report

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| REFERENCE WELLPATH IDENTIFICATION |                            |          |   |
|-----------------------------------|----------------------------|----------|---|
| Operator                          | ENCANA OIL & GAS (USA) INC | Slot     | Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL |
| Area                              | COLORADO                   | Well     | Federal 25-1                                    |
| Field                             | GARFIELD COUNTY (NEW)      | Wellbore | Federal 25-1 PWB                                |
| Facility                          | SEC.25-T7S-R96W            |          |   |

| REPORT SETUP INFORMATION |  |                      |                             |
|--------------------------|--|----------------------|-----------------------------|
| Projection System        | NAD83 / Lambert Colorado State Planes, Central Zone (502), US feet | Software System      | WellArchitect® 2.0          |
| North Reference          | True   | User                 | Thomsuzc                    |
| Scale                    | 0.99995  | Report Generated     | 10/16/2009 at 9:46:46 PM    |
| Convergence at slot      | 1.61° West   | Database/Source file | Denver/Federal_25-1_PWB.xml |

| WELLPATH LOCATION     |                   |          |                  |                |                        |                 |
|-----------------------|-------------------|----------|------------------|----------------|------------------------|-----------------|
|                       | Local coordinates |          | Grid coordinates |                | Geographic coordinates |                 |
|                       | North[ft]         | East[ft] | Easting[USft]    | Northing[USft] | Latitude               | Longitude       |
| Slot Location         | 7.28              | -8.48    | 2279380.09       | 1584507.71     | 39°24'37.656"N         | 108°03'02.916"W |
| Facility Reference Pt |                   |          | 2279388.36       | 1584500.19     | 39°24'37.584"N         | 108°03'02.808"W |
| Field Reference Pt    |                   |          | 3000000.01       | 4560984.48     | 47°34'21.070"N         | 105°30'00.000"W |

| WELLPATH DATUM           |   |  |                   |
|--------------------------|---|--|-------------------|
| Calculation method       | Minimum curvature   | Rig on Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL (RT) to Facility Vertical Datum | 6086.00ft         |
| Horizontal Reference Pt  | Slot  | Rig on Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL (RT) to Mean Sea Level          | 6086.00ft         |
| Vertical Reference Pt    | Rig on Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL (RT) | Facility Vertical Datum to Mud Line (Facility)   | 0.00ft            |
| MD Reference Pt          | Rig on Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL (RT) | Section Origin   | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level  | Section Azimuth  | 357.45°           |



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| REFERENCE WELLPATH IDENTIFICATION |                            |          |   |
|-----------------------------------|----------------------------|----------|---|
| Operator                          | ENCANA OIL & GAS (USA) INC | Slot     | Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL |
| Area                              | COLORADO                   | Well     | Federal 25-1                                    |
| Field                             | GARFIELD COUNTY (NEW)      | Wellbore | Federal 25-1 PWB                                |
| Facility                          | SEC.25-T7S-R96W            |          |   |

| WELLPATH DATA (80 stations) † = interpolated/extrapolated station |                 |             |          |                |            |           |               |
|---|-----------------|-------------|----------|----------------|------------|-----------|---------------|
| MD [ft]   | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] |
| 0.00†   | 0.000           | 35.000      | 0.00     | 0.00           | 0.00       | 0.00      | 0.00          |
| 22.00   | 0.000           | 35.000      | 22.00    | 0.00           | 0.00       | 0.00      | 0.00          |
| 122.00†   | 0.000           | 35.000      | 122.00   | 0.00           | 0.00       | 0.00      | 0.00          |
| 200.00  | 0.000           | 35.000      | 200.00   | 0.00           | 0.00       | 0.00      | 0.00          |
| 222.00†   | 0.440           | 35.000      | 222.00   | 0.07           | 0.07       | 0.05      | 2.00          |
| 322.00†   | 2.440           | 35.000      | 321.96   | 2.06           | 2.13       | 1.49      | 2.00          |
| 422.00†   | 4.440           | 35.000      | 421.78   | 6.82           | 7.04       | 4.93      | 2.00          |
| 522.00†   | 6.440           | 35.000      | 521.32   | 14.33          | 14.81      | 10.37     | 2.00          |
| 622.00†   | 8.440           | 35.000      | 620.48   | 24.60          | 25.41      | 17.80     | 2.00          |
| 722.00†   | 10.440          | 35.000      | 719.12   | 37.60          | 38.85      | 27.20     | 2.00          |
| 822.00†   | 12.440          | 35.000      | 817.12   | 53.32          | 55.10      | 38.58     | 2.00          |
| 922.00†   | 14.440          | 35.000      | 914.38   | 71.75          | 74.13      | 51.91     | 2.00          |
| 1000.00   | 16.000          | 35.000      | 989.64   | 87.98          | 90.91      | 63.65     | 2.00          |
| 1022.00†  | 16.000          | 35.000      | 1010.79  | 92.79          | 95.87      | 67.13     | 0.00          |
| 1122.00†  | 16.000          | 35.000      | 1106.92  | 114.64         | 118.45     | 82.94     | 0.00          |
| 1200.00   | 16.000          | 35.000      | 1181.90  | 131.68         | 136.06     | 95.27     | 0.00          |
| 1222.00†  | 16.068          | 33.426      | 1203.04  | 136.55         | 141.09     | 98.69     | 2.00          |
| 1322.00†  | 16.516          | 26.474      | 1299.03  | 160.18         | 165.37     | 112.65    | 2.00          |
| 1422.00†  | 17.181          | 19.962      | 1394.75  | 186.26         | 191.97     | 124.03    | 2.00          |
| 1522.00†  | 18.039          | 13.986      | 1490.07  | 214.75         | 220.88     | 132.82    | 2.00          |
| 1622.00†  | 19.063          | 8.582       | 1584.88  | 245.62         | 252.06     | 139.00    | 2.00          |
| 1722.00†  | 20.229          | 3.745       | 1679.06  | 278.83         | 285.46     | 142.56    | 2.00          |
| 1822.00†  | 21.512          | 359.437     | 1772.50  | 314.34         | 321.05     | 143.51    | 2.00          |
| 1922.00†  | 22.894          | 355.609     | 1865.09  | 352.11         | 358.78     | 141.84    | 2.00          |
| 2022.00†  | 24.358          | 352.206     | 1956.71  | 392.09         | 398.61     | 137.56    | 2.00          |
| 2122.00†  | 25.889          | 349.174     | 2047.25  | 434.23         | 440.49     | 130.66    | 2.00          |
| 2124.40   | 25.927          | 349.106     | 2049.42  | 435.27         | 441.52     | 130.46    | 2.00          |
| 2222.00†  | 25.927          | 349.106     | 2137.19  | 477.49         | 483.43     | 122.39    | 0.00          |
| 2322.00†  | 25.927          | 349.106     | 2227.12  | 520.75         | 526.36     | 114.13    | 0.00          |
| 2422.00†  | 25.927          | 349.106     | 2317.06  | 564.01         | 569.30     | 105.87    | 0.00          |
| 2522.00†  | 25.927          | 349.106     | 2406.99  | 607.27         | 612.23     | 97.60     | 0.00          |
| 2622.00†  | 25.927          | 349.106     | 2496.93  | 650.53         | 655.17     | 89.34     | 0.00          |
| 2722.00†  | 25.927          | 349.106     | 2586.86  | 693.79         | 698.10     | 81.08     | 0.00          |
| 2822.00†  | 25.927          | 349.106     | 2676.80  | 737.05         | 741.03     | 72.81     | 0.00          |
| 2922.00†  | 25.927          | 349.106     | 2766.73  | 780.31         | 783.97     | 64.55     | 0.00          |
| 3022.00†  | 25.927          | 349.106     | 2856.67  | 823.57         | 826.90     | 56.29     | 0.00          |
| 3122.00†  | 25.927          | 349.106     | 2946.60  | 866.83         | 869.84     | 48.02     | 0.00          |
| 3222.00†  | 25.927          | 349.106     | 3036.54  | 910.09         | 912.77     | 39.76     | 0.00          |
| 3322.00†  | 25.927          | 349.106     | 3126.47  | 953.35         | 955.71     | 31.50     | 0.00          |
| 3422.00†  | 25.927          | 349.106     | 3216.41  | 996.61         | 998.64     | 23.23     | 0.00          |
| 3522.00†  | 25.927          | 349.106     | 3306.35  | 1039.88        | 1041.58    | 14.97     | 0.00          |
| 3622.00†  | 25.927          | 349.106     | 3396.28  | 1083.14        | 1084.51    | 6.71      | 0.00          |
| 3722.00†  | 25.927          | 349.106     | 3486.22  | 1126.40        | 1127.45    | -1.56     | 0.00          |
| 3822.00†  | 25.927          | 349.106     | 3576.15  | 1169.66        | 1170.38    | -9.82     | 0.00          |
| 3830.11   | 25.927          | 349.106     | 3583.44  | 1173.16        | 1173.86    | -10.49    | 0.00          |



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| REFERENCE WELLPATH IDENTIFICATION |                            |          |   |
|-----------------------------------|----------------------------|----------|---|
| Operator                          | ENCANA OIL & GAS (USA) INC | Slot     | Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL |
| Area                              | COLORADO                   | Well     | Federal 25-1                                    |
| Field                             | GARFIELD COUNTY (NEW)      | Wellbore | Federal 25-1 PWB                                |
| Facility                          | SEC.25-T7S-R96W            |          |   |

| WELLPATH DATA (80 stations) † = interpolated/extrapolated station |                 |             |                      |                |            |           |               |  |
|---|-----------------|-------------|----------------------|----------------|------------|-----------|---------------|--|
| MD [ft]   | Inclination [°] | Azimuth [°] | TVD [ft]             | Vert Sect [ft] | North [ft] | East [ft] | DLS [°/100ft] |  |
| 3922.00†  | 24.089          | 349.106     | 3666.72              | 1211.60        | 1212.01    | -17.83    | 2.00          |  |
| 4022.00†  | 22.089          | 349.106     | 3758.70              | 1250.40        | 1250.51    | -25.24    | 2.00          |  |
| 4122.00†  | 20.089          | 349.106     | 3852.00              | 1286.00        | 1285.85    | -32.04    | 2.00          |  |
| 4222.00†  | 18.089          | 349.106     | 3946.49              | 1318.35        | 1317.96    | -38.22    | 2.00          |  |
| 4322.00†  | 16.089          | 349.106     | 4042.07              | 1347.43        | 1346.81    | -43.78    | 2.00          |  |
| 4422.00†  | 14.089          | 349.106     | 4138.62              | 1373.18        | 1372.38    | -48.70    | 2.00          |  |
| 4522.00†  | 12.089          | 349.106     | 4236.02              | 1395.59        | 1394.61    | -52.98    | 2.00          |  |
| 4622.00†  | 10.089          | 349.106     | 4334.15              | 1414.62        | 1413.50    | -56.61    | 2.00          |  |
| 4722.00†  | 8.089           | 349.106     | 4432.89              | 1430.25        | 1429.01    | -59.60    | 2.00          |  |
| 4822.00†  | 6.089           | 349.106     | 4532.12              | 1442.46        | 1441.13    | -61.93    | 2.00          |  |
| 4922.00†  | 4.089           | 349.106     | 4631.72              | 1451.23        | 1449.84    | -63.61    | 2.00          |  |
| 5022.00†  | 2.089           | 349.106     | 4731.57              | 1456.56        | 1455.13    | -64.62    | 2.00          |  |
| 5122.00†  | 0.089           | 349.106     | 4831.54              | 1458.44        | 1457.00    | -64.98    | 2.00          |  |
| 5126.46   | 0.000           | 349.106     | 4836.00 <sup>1</sup> | 1458.45        | 1457.00    | -64.98    | 2.00          |  |
| 5222.00†  | 0.000           | 349.106     | 4931.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 5322.00†  | 0.000           | 349.106     | 5031.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 5422.00†  | 0.000           | 349.106     | 5131.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 5522.00†  | 0.000           | 349.106     | 5231.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 5622.00†  | 0.000           | 349.106     | 5331.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 5722.00†  | 0.000           | 349.106     | 5431.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 5822.00†  | 0.000           | 349.106     | 5531.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 5922.00†  | 0.000           | 349.106     | 5631.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 6022.00†  | 0.000           | 349.106     | 5731.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 6122.00†  | 0.000           | 349.106     | 5831.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 6222.00†  | 0.000           | 349.106     | 5931.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 6322.00†  | 0.000           | 349.106     | 6031.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 6422.00†  | 0.000           | 349.106     | 6131.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 6522.00†  | 0.000           | 349.106     | 6231.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 6622.00†  | 0.000           | 349.106     | 6331.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 6722.00†  | 0.000           | 349.106     | 6431.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 6822.00†  | 0.000           | 349.106     | 6531.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 6886.46   | 0.000           | 349.106     | 6596.00              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 6922.00†  | 0.000           | 349.106     | 6631.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 7022.00†  | 0.000           | 349.106     | 6731.54              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |
| 7076.46   | 0.000           | 349.106     | 6786.00              | 1458.45        | 1457.00    | -64.98    | 0.00          |  |



# Planned Wellpath Report

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| REFERENCE WELLPATH IDENTIFICATION |                            |          |   |
|-----------------------------------|----------------------------|----------|---|
| Operator                          | ENCANA OIL & GAS (USA) INC | Slot     | Slot #04 Federal 25-1 (PH25) 1951'FNL & 600'FEL |
| Area                              | COLORADO                   | Well     | Federal 25-1                                    |
| Field                             | GARFIELD COUNTY (NEW)      | Wellbore | Federal 25-1 PWB                                |
| Facility                          | SEC.25-T7S-R96W            |          |   |

| HOLE & CASING SECTIONS Ref Wellbore: Federal 25-1 PWB Ref Wellpath: Federal 25-1 PWP Rev-A.0 |               |             |               |                |              |                |                |              |              |
|--|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| String/Diameter  | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
| 12.25in Open Hole  | 22.00         | 1100.00     | 1078.00       | 22.00          | 1085.77      | 0.00           | 0.00           | 113.49       | 79.46        |
| 9.625in Casing Surface   | 22.00         | 1100.00     | 1078.00       | 22.00          | 1085.77      | 0.00           | 0.00           | 113.49       | 79.46        |

| TARGETS   |         |          |            |           |                    |                     |                |                 |        |
|---|---------|----------|------------|-----------|--------------------|---------------------|----------------|-----------------|--------|
| Name  | MD [ft] | TVD [ft] | North [ft] | East [ft] | Grid East [srv ft] | Grid North [srv ft] | Latitude       | Longitude       | Shape  |
| 1) Federal 25-1 Target 25' Radius 490'FNL & 660'FEL | 5126.46 | 4836.00  | 1457.00    | -64.98    | 2279356.03         | 1585965.89          | 39°24'52.056"N | 108°03'03.744"W | circle |

| SURVEY PROGRAM Ref Wellbore: Federal 25-1 PWB Ref Wellpath: Federal 25-1 PWP Rev-A.0 |             |                                    |                  |                  |
|--|-------------|------------------------------------|------------------|------------------|
| Start MD [ft]  | End MD [ft] | Positional Uncertainty Model       | Log Name/Comment | Wellbore         |
| 22.00  | 7076.46     | MTC (Collar, post-2000) (Standard) |                  | Federal 25-1 PWB |



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|-----------------------------------|----------------------------|----------|---|
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| Area                              | COLORADO                   | Well     | Federal 25-1                                    |
| Field                             | GARFIELD COUNTY (NEW)      | Wellbore | Federal 25-1 PWB                                |
| Facility                          | SEC.25-T7S-R96W            |          |   |

| WELLPATH COMMENTS |                 |        |             |          |                |
|-------------------|-----------------|--------|-------------|----------|----------------|
| MD [ft]           | Inclination [°] |        | Azimuth [°] | TVD [ft] | Comment        |
| 2687.68           |                 | 25.927 | 349.106     | 2556.00  | Wasatch Marker |
| 3777.36           |                 | 25.927 | 349.106     | 3536.00  | Ohio Creek     |
| 4346.87           |                 | 15.592 | 349.106     | 4066.00  | Williams Fork  |
| 5126.46           |                 | 0.000  | 349.106     | 4836.00  | Top Gas        |
| 6286.46           |                 | 0.000  | 349.106     | 5996.00  | Coal Ridge     |
| 6686.46           |                 | 0.000  | 349.106     | 6396.00  | Rollins        |
| 6886.46           |                 | 0.000  | 349.106     | 6596.00  | TD             |
| 7076.46           |                 | 0.000  | 349.106     | 6786.00  | Permit TD      |