

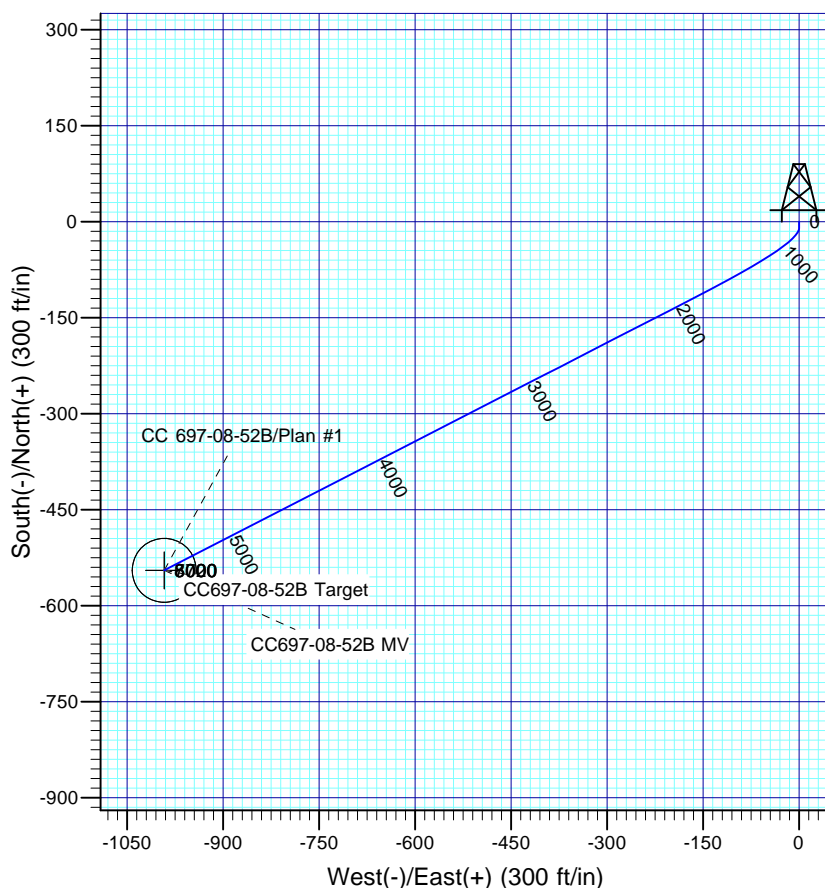
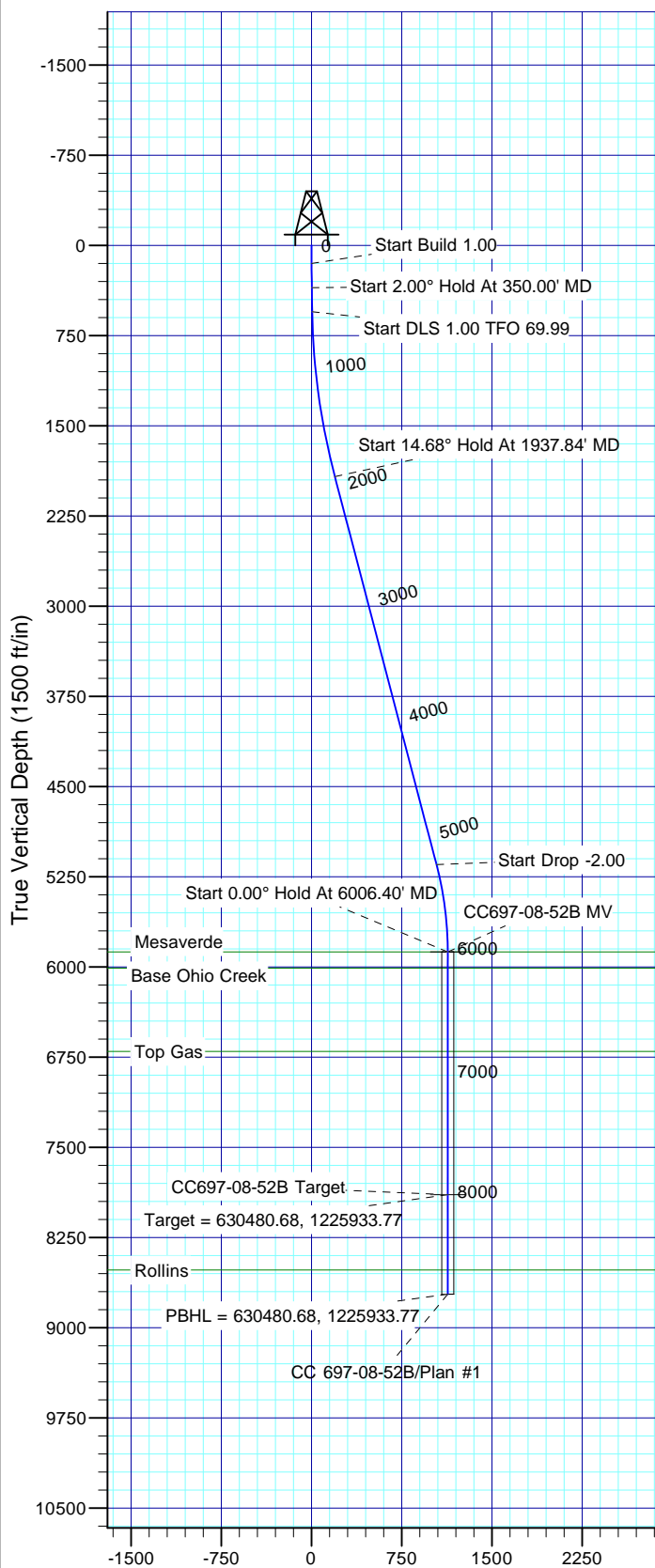
Well Details: CC 697-08-52B

TVD Reference: GL 8411' & RKB 30' @ 8441.00ft (H&P) Ground Level: 8411.00

| +N/-S | +E/-W | Northing  | Easting    | Latitude        | Longitude         | Slot |
|-------|-------|-----------|------------|-----------------|-------------------|------|
| 0.00  | 0.00  | 630995.35 | 1226941.66 | 39° 32' 1.963 N | 108° 14' 28.371 W | U    |

**T M** Azimuths to True North  
Magnetic North: 10.54°

Magnetic Field  
Strength: 52328.7snT  
Dip Angle: 65.76°  
Date: 9/1/2010  
Model: IGRF2005-10



FORMATION TOP DETAILS

| TVDPath | MDPath  | Formation       |
|---------|---------|-----------------|
| 5873.00 | 6006.40 | Mesaverde       |
| 6009.00 | 6142.40 | Base Ohio Creek |
| 6701.00 | 6834.40 | Top Gas         |
| 8520.00 | 8653.40 | Rollins         |

Plan: Plan #1

**3:33, September 02 2010**  
**Created By: Rex Hall**

PROJECT DETAILS: Garfield County, CO NAD27

Geodetic System: US State Plane 1927 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: Colorado Central 502

System Datum: Mean Sea Level

| CC 697-08-52B |              |             |              |             |  | Slot | U |
|---------------|--------------|-------------|--------------|-------------|--|------|---|
|               | NAD83        | NAD83       | NAD27        | NAD27       |  |      |   |
|               | CO. CENTRAL  | CO. CENTRAL | CO. CENTRAL  | CO. CENTRAL |  |      |   |
|               | NORTH (FEET) | EAST (FEET) | NORTH (FEET) | EAST (FEET) |  |      |   |
| SHL           | 1631004.76   | 2226781.28  | 630995.35    | 1226941.66  |  |      |   |
| Top Gas       | 1630490.11   | 2225773.36  | 630480.68    | 1225933.77  |  |      |   |
| BHL           | 1630490.11   | 2225773.36  | 630480.68    | 1225933.77  |  |      |   |

SECTION DETAILS

| Sec | MD      | Inc   | Azi    | TVD     | +N/-S   | +E/-W   | Dleg | TFace  | VSect   | Target              |
|-----|---------|-------|--------|---------|---------|---------|------|--------|---------|---------------------|
| 1   | 0.00    | 0.00  | 0.00   | 0.00    | 0.00    | 0.00    | 0.00 | 0.00   | 0.00    |                     |
| 2   | 150.00  | 0.00  | 0.00   | 150.00  | 0.00    | 0.00    | 0.00 | 0.00   | 0.00    |                     |
| 3   | 350.00  | 2.00  | 180.00 | 349.96  | -3.49   | 0.00    | 1.00 | 180.00 | 1.68    |                     |
| 4   | 550.00  | 2.00  | 180.00 | 549.84  | -10.47  | 0.00    | 0.00 | 0.00   | 5.04    |                     |
| 5   | 1937.84 | 14.68 | 242.79 | 1921.31 | -115.62 | -157.17 | 1.00 | 69.99  | 193.42  |                     |
| 6   | 5272.35 | 14.68 | 242.79 | 5146.95 | -502.07 | -908.73 | 0.00 | 0.00   | 1038.20 |                     |
| 7   | 6006.40 | 0.00  | 0.00   | 5873.00 | -544.84 | -991.91 | 2.00 | 180.00 | 1131.69 | CC697-08-52B MV     |
| 8   | 8025.40 | 0.00  | 0.00   | 7892.00 | -544.84 | -991.91 | 0.00 | 0.00   | 1131.69 | CC697-08-52B Target |
| 9   | 8853.40 | 0.00  | 0.00   | 8720.00 | -544.84 | -991.91 | 0.00 | 0.00   | 1131.69 |                     |



# **OXY USA RMAT**

**Garfield County, CO NAD27  
Cascade Creek 697-08-53 Pad  
CC 697-08-52B - Slot U**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**02 September, 2010**



|                  |                             |                                     |                                      |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | Rockies-R5000.1             | <b>Local Co-ordinate Reference:</b> | Well CC 697-08-52B - Slot U          |
| <b>Company:</b>  | OXY USA RMAT                | <b>TVD Reference:</b>               | GL 8411' & RKB 30' @ 8441.00ft (H&P) |
| <b>Project:</b>  | Garfield County, CO NAD27   | <b>MD Reference:</b>                | GL 8411' & RKB 30' @ 8441.00ft (H&P) |
| <b>Site:</b>     | Cascade Creek 697-08-53 Pad | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | CC 697-08-52B               | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                          |                                     |                                      |
| <b>Design:</b>   | Plan #1                     |                                     |                                      |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | Garfield County, CO NAD27            |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | Colorado Central 502                 |                      |                |

|                       |         |  |                   |                   |                   |
|-----------------------|---------|--|-------------------|-------------------|-------------------|
| Site                  |         | Cascade Creek 697-08-53 Pad, Sec. 8 T6S R97W |                   |                   |                   |
| Site Position:        |         | Northing:                                    | 630,837.78 usft   | Latitude:         | 39° 32' 0.393 N   |
| From:                 | Map     | Easting:                                     | 1,226,897.42 usft | Longitude:        | 108° 14' 28.874 W |
| Position Uncertainty: | 0.00 ft | Slot Radius:                                 | 0.000 in          | Grid Convergence: | -1.73             |

| Well                 | CC 697-08-52B - Slot U |           |                     |                   |               |                   |
|----------------------|------------------------|-----------|---------------------|-------------------|---------------|-------------------|
| Well Position        | +N/-S                  | 158.83 ft | Northing:           | 630,995.35 usft   | Latitude:     | 39° 32' 1.963 N   |
|                      | +E/-W                  | 39.47 ft  | Easting:            | 1,226,941.66 usft | Longitude:    | 108° 14' 28.371 W |
| Position Uncertainty |                        | 0.00 ft   | Wellhead Elevation: |                   | Ground Level: | 8,411.00 ft       |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2005-10       | 9/1/2010           | 10.54                  | 65.76                | 52,329                     |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | Plan #1                      |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PLAN              | <b>Tie On Depth:</b> | 0.00                 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.00                         | 0.00              | 0.00                 | 241.22               |

| <b>Plan Sections</b> |                 |             |                     |            |            |                       |                      |                     |         |                    |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|--------------------|
| Measured Depth (ft)  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target             |
| 0.00                 | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |                    |
| 150.00               | 0.00            | 0.00        | 150.00              | 0.00       | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |                    |
| 350.00               | 2.00            | 180.00      | 349.96              | -3.49      | 0.00       | 1.00                  | 1.00                 | 0.00                | 180.00  |                    |
| 550.00               | 2.00            | 180.00      | 549.84              | -10.47     | 0.00       | 0.00                  | 0.00                 | 0.00                | 0.00    |                    |
| 1,937.84             | 14.68           | 242.79      | 1,921.31            | -115.62    | -157.17    | 1.00                  | 0.91                 | 4.52                | 69.99   |                    |
| 5,272.35             | 14.68           | 242.79      | 5,146.95            | -502.07    | -908.73    | 0.00                  | 0.00                 | 0.00                | 0.00    |                    |
| 6,006.40             | 0.00            | 0.00        | 5,873.00            | -544.84    | -991.91    | 2.00                  | -2.00                | 0.00                | 180.00  | CC697-08-52B MV    |
| 8,025.40             | 0.00            | 0.00        | 7,892.00            | -544.84    | -991.91    | 0.00                  | 0.00                 | 0.00                | 0.00    | CC697-08-52B Targe |
| 8,853.40             | 0.00            | 0.00        | 8,720.00            | -544.84    | -991.91    | 0.00                  | 0.00                 | 0.00                | 0.00    |                    |

|                  |                             |                                     |                                      |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | Rockies-R5000.1             | <b>Local Co-ordinate Reference:</b> | Well CC 697-08-52B - Slot U          |
| <b>Company:</b>  | OXY USA RMAT                | <b>TVD Reference:</b>               | GL 8411' & RKB 30' @ 8441.00ft (H&P) |
| <b>Project:</b>  | Garfield County, CO NAD27   | <b>MD Reference:</b>                | GL 8411' & RKB 30' @ 8441.00ft (H&P) |
| <b>Site:</b>     | Cascade Creek 697-08-53 Pad | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | CC 697-08-52B               | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                          |                                     |                                      |
| <b>Design:</b>   | Plan #1                     |                                     |                                      |

| Planned Survey                          |                 |             |                     |            |            |                       |                       |                      |                     |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)                     | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.00                                    | 0.00            | 0.00        | 0.00                | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 100.00                                  | 0.00            | 0.00        | 100.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| 150.00                                  | 0.00            | 0.00        | 150.00              | 0.00       | 0.00       | 0.00                  | 0.00                  | 0.00                 | 0.00                |
| <b>Start Build 1.00</b>                 |                 |             |                     |            |            |                       |                       |                      |                     |
| 200.00                                  | 0.50            | 180.00      | 200.00              | -0.22      | 0.00       | 0.11                  | 1.00                  | 1.00                 | 0.00                |
| 300.00                                  | 1.50            | 180.00      | 299.98              | -1.96      | 0.00       | 0.95                  | 1.00                  | 1.00                 | 0.00                |
| 350.00                                  | 2.00            | 180.00      | 349.96              | -3.49      | 0.00       | 1.68                  | 1.00                  | 1.00                 | 0.00                |
| <b>Start 2.00° Hold At 350.00' MD</b>   |                 |             |                     |            |            |                       |                       |                      |                     |
| 400.00                                  | 2.00            | 180.00      | 399.93              | -5.24      | 0.00       | 2.52                  | 0.00                  | 0.00                 | 0.00                |
| 500.00                                  | 2.00            | 180.00      | 499.87              | -8.73      | 0.00       | 4.20                  | 0.00                  | 0.00                 | 0.00                |
| 550.00                                  | 2.00            | 180.00      | 549.84              | -10.47     | 0.00       | 5.04                  | 0.00                  | 0.00                 | 0.00                |
| <b>Start DLS 1.00 TFO 69.99</b>         |                 |             |                     |            |            |                       |                       |                      |                     |
| 600.00                                  | 2.22            | 192.21      | 599.80              | -12.29     | -0.20      | 6.10                  | 1.00                  | 0.44                 | 24.43               |
| 700.00                                  | 2.88            | 209.30      | 699.71              | -16.38     | -1.84      | 9.50                  | 1.00                  | 0.66                 | 17.08               |
| 800.00                                  | 3.70            | 219.47      | 799.54              | -21.06     | -5.12      | 14.63                 | 1.00                  | 0.82                 | 10.17               |
| 900.00                                  | 4.59            | 225.84      | 899.28              | -26.33     | -10.04     | 21.48                 | 1.00                  | 0.89                 | 6.37                |
| 1,000.00                                | 5.51            | 230.11      | 998.89              | -32.20     | -16.60     | 30.05                 | 1.00                  | 0.93                 | 4.27                |
| 1,100.00                                | 6.46            | 233.14      | 1,098.34            | -38.65     | -24.79     | 40.33                 | 1.00                  | 0.95                 | 3.03                |
| 1,200.00                                | 7.42            | 235.40      | 1,197.61            | -45.70     | -34.61     | 52.33                 | 1.00                  | 0.96                 | 2.26                |
| 1,300.00                                | 8.40            | 237.14      | 1,296.66            | -53.33     | -46.06     | 66.05                 | 1.00                  | 0.97                 | 1.74                |
| 1,400.00                                | 9.37            | 238.52      | 1,395.46            | -61.54     | -59.14     | 81.46                 | 1.00                  | 0.98                 | 1.38                |
| 1,500.00                                | 10.35           | 239.64      | 1,493.98            | -70.34     | -73.84     | 98.58                 | 1.00                  | 0.98                 | 1.12                |
| 1,600.00                                | 11.34           | 240.57      | 1,592.19            | -79.71     | -90.15     | 117.39                | 1.00                  | 0.98                 | 0.93                |
| 1,700.00                                | 12.33           | 241.35      | 1,690.06            | -89.66     | -108.08    | 137.90                | 1.00                  | 0.99                 | 0.78                |
| 1,800.00                                | 13.32           | 242.01      | 1,787.57            | -100.19    | -127.62    | 160.09                | 1.00                  | 0.99                 | 0.67                |
| 1,900.00                                | 14.31           | 242.59      | 1,884.68            | -111.28    | -148.76    | 183.95                | 1.00                  | 0.99                 | 0.58                |
| 1,937.84                                | 14.68           | 242.79      | 1,921.31            | -115.62    | -157.17    | 193.42                | 1.00                  | 0.99                 | 0.52                |
| <b>Start 14.68° Hold At 1937.84' MD</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 2,000.00                                | 14.68           | 242.79      | 1,981.44            | -122.83    | -171.18    | 209.17                | 0.00                  | 0.00                 | 0.00                |
| 2,100.00                                | 14.68           | 242.79      | 2,078.18            | -134.42    | -193.72    | 234.50                | 0.00                  | 0.00                 | 0.00                |
| 2,200.00                                | 14.68           | 242.79      | 2,174.91            | -146.01    | -216.26    | 259.84                | 0.00                  | 0.00                 | 0.00                |
| 2,300.00                                | 14.68           | 242.79      | 2,271.65            | -157.60    | -238.80    | 285.17                | 0.00                  | 0.00                 | 0.00                |
| 2,400.00                                | 14.68           | 242.79      | 2,368.38            | -169.19    | -261.34    | 310.51                | 0.00                  | 0.00                 | 0.00                |
| 2,500.00                                | 14.68           | 242.79      | 2,465.12            | -180.77    | -283.87    | 335.84                | 0.00                  | 0.00                 | 0.00                |
| 2,600.00                                | 14.68           | 242.79      | 2,561.85            | -192.36    | -306.41    | 361.18                | 0.00                  | 0.00                 | 0.00                |
| 2,700.00                                | 14.68           | 242.79      | 2,658.59            | -203.95    | -328.95    | 386.51                | 0.00                  | 0.00                 | 0.00                |
| 2,800.00                                | 14.68           | 242.79      | 2,755.32            | -215.54    | -351.49    | 411.84                | 0.00                  | 0.00                 | 0.00                |
| 2,900.00                                | 14.68           | 242.79      | 2,852.06            | -227.13    | -374.03    | 437.18                | 0.00                  | 0.00                 | 0.00                |
| 3,000.00                                | 14.68           | 242.79      | 2,948.79            | -238.72    | -396.57    | 462.51                | 0.00                  | 0.00                 | 0.00                |
| 3,100.00                                | 14.68           | 242.79      | 3,045.53            | -250.31    | -419.11    | 487.85                | 0.00                  | 0.00                 | 0.00                |
| 3,200.00                                | 14.68           | 242.79      | 3,142.26            | -261.90    | -441.65    | 513.18                | 0.00                  | 0.00                 | 0.00                |
| 3,300.00                                | 14.68           | 242.79      | 3,239.00            | -273.49    | -464.18    | 538.52                | 0.00                  | 0.00                 | 0.00                |
| 3,400.00                                | 14.68           | 242.79      | 3,335.73            | -285.08    | -486.72    | 563.85                | 0.00                  | 0.00                 | 0.00                |
| 3,500.00                                | 14.68           | 242.79      | 3,432.47            | -296.67    | -509.26    | 589.19                | 0.00                  | 0.00                 | 0.00                |
| 3,600.00                                | 14.68           | 242.79      | 3,529.20            | -308.26    | -531.80    | 614.52                | 0.00                  | 0.00                 | 0.00                |
| 3,700.00                                | 14.68           | 242.79      | 3,625.94            | -319.85    | -554.34    | 639.85                | 0.00                  | 0.00                 | 0.00                |
| 3,800.00                                | 14.68           | 242.79      | 3,722.67            | -331.44    | -576.88    | 665.19                | 0.00                  | 0.00                 | 0.00                |
| 3,900.00                                | 14.68           | 242.79      | 3,819.41            | -343.03    | -599.42    | 690.52                | 0.00                  | 0.00                 | 0.00                |
| 4,000.00                                | 14.68           | 242.79      | 3,916.15            | -354.62    | -621.96    | 715.86                | 0.00                  | 0.00                 | 0.00                |
| 4,100.00                                | 14.68           | 242.79      | 4,012.88            | -366.21    | -644.49    | 741.19                | 0.00                  | 0.00                 | 0.00                |
| 4,200.00                                | 14.68           | 242.79      | 4,109.62            | -377.79    | -667.03    | 766.53                | 0.00                  | 0.00                 | 0.00                |
| 4,300.00                                | 14.68           | 242.79      | 4,206.35            | -389.38    | -689.57    | 791.86                | 0.00                  | 0.00                 | 0.00                |
| 4,400.00                                | 14.68           | 242.79      | 4,303.09            | -400.97    | -712.11    | 817.19                | 0.00                  | 0.00                 | 0.00                |
| 4,500.00                                | 14.68           | 242.79      | 4,399.82            | -412.56    | -734.65    | 842.53                | 0.00                  | 0.00                 | 0.00                |

|                  |                             |                                     |                                      |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | Rockies-R5000.1             | <b>Local Co-ordinate Reference:</b> | Well CC 697-08-52B - Slot U          |
| <b>Company:</b>  | OXY USA RMAT                | <b>TVD Reference:</b>               | GL 8411' & RKB 30' @ 8441.00ft (H&P) |
| <b>Project:</b>  | Garfield County, CO NAD27   | <b>MD Reference:</b>                | GL 8411' & RKB 30' @ 8441.00ft (H&P) |
| <b>Site:</b>     | Cascade Creek 697-08-53 Pad | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | CC 697-08-52B               | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                          |                                     |                                      |
| <b>Design:</b>   | Plan #1                     |                                     |                                      |

| Planned Survey                                     |                 |             |                     |            |            |                       |                       |                      |                     |
|--|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)                                | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 4,600.00   | 14.68           | 242.79      | 4,496.56            | -424.15    | -757.19    | 867.86                | 0.00                  | 0.00                 | 0.00                |
| 4,700.00   | 14.68           | 242.79      | 4,593.29            | -435.74    | -779.73    | 893.20                | 0.00                  | 0.00                 | 0.00                |
| 4,800.00   | 14.68           | 242.79      | 4,690.03            | -447.33    | -802.27    | 918.53                | 0.00                  | 0.00                 | 0.00                |
| 4,900.00   | 14.68           | 242.79      | 4,786.76            | -458.92    | -824.80    | 943.87                | 0.00                  | 0.00                 | 0.00                |
| 5,000.00   | 14.68           | 242.79      | 4,883.50            | -470.51    | -847.34    | 969.20                | 0.00                  | 0.00                 | 0.00                |
| 5,100.00   | 14.68           | 242.79      | 4,980.23            | -482.10    | -869.88    | 994.54                | 0.00                  | 0.00                 | 0.00                |
| 5,200.00   | 14.68           | 242.79      | 5,076.97            | -493.69    | -892.42    | 1,019.87              | 0.00                  | 0.00                 | 0.00                |
| 5,272.35   | 14.68           | 242.79      | 5,146.95            | -502.07    | -908.73    | 1,038.20              | 0.00                  | 0.00                 | 0.00                |
| <b>Start Drop -2.00</b>                            |                 |             |                     |            |            |                       |                       |                      |                     |
| 5,300.00   | 14.13           | 242.79      | 5,173.74            | -505.22    | -914.84    | 1,045.07              | 2.00                  | -2.00                | 0.00                |
| 5,400.00   | 12.13           | 242.79      | 5,271.12            | -515.61    | -935.04    | 1,067.78              | 2.00                  | -2.00                | 0.00                |
| 5,500.00   | 10.13           | 242.79      | 5,369.23            | -524.43    | -952.21    | 1,087.07              | 2.00                  | -2.00                | 0.00                |
| 5,600.00   | 8.13            | 242.79      | 5,467.96            | -531.68    | -966.31    | 1,102.93              | 2.00                  | -2.00                | 0.00                |
| 5,700.00   | 6.13            | 242.79      | 5,567.18            | -537.36    | -977.35    | 1,115.33              | 2.00                  | -2.00                | 0.00                |
| 5,800.00   | 4.13            | 242.79      | 5,666.78            | -541.45    | -985.30    | 1,124.27              | 2.00                  | -2.00                | 0.00                |
| 5,900.00   | 2.13            | 242.79      | 5,766.62            | -543.94    | -990.15    | 1,129.72              | 2.00                  | -2.00                | 0.00                |
| 6,000.00   | 0.13            | 242.79      | 5,866.60            | -544.84    | -991.90    | 1,131.69              | 2.00                  | -2.00                | 0.00                |
| 6,006.40   | 0.00            | 0.00        | 5,873.00            | -544.84    | -991.91    | 1,131.69              | 2.00                  | -2.00                | 0.00                |
| <b>Start 0.00° Hold At 6006.40' MD - Mesaverde</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 6,100.00   | 0.00            | 0.00        | 5,966.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 6,142.40   | 0.00            | 0.00        | 6,009.00            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| <b>Base Ohio Creek</b>                             |                 |             |                     |            |            |                       |                       |                      |                     |
| 6,200.00   | 0.00            | 0.00        | 6,066.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 6,300.00   | 0.00            | 0.00        | 6,166.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 6,400.00   | 0.00            | 0.00        | 6,266.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 6,500.00   | 0.00            | 0.00        | 6,366.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 6,600.00   | 0.00            | 0.00        | 6,466.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 6,700.00   | 0.00            | 0.00        | 6,566.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 6,800.00   | 0.00            | 0.00        | 6,666.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 6,834.40   | 0.00            | 0.00        | 6,701.00            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| <b>Top Gas</b>                                     |                 |             |                     |            |            |                       |                       |                      |                     |
| 6,900.00   | 0.00            | 0.00        | 6,766.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 7,000.00   | 0.00            | 0.00        | 6,866.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 7,100.00   | 0.00            | 0.00        | 6,966.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 7,200.00   | 0.00            | 0.00        | 7,066.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 7,300.00   | 0.00            | 0.00        | 7,166.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 7,400.00   | 0.00            | 0.00        | 7,266.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 7,500.00   | 0.00            | 0.00        | 7,366.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 7,600.00   | 0.00            | 0.00        | 7,466.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 7,700.00   | 0.00            | 0.00        | 7,566.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 7,800.00   | 0.00            | 0.00        | 7,666.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 7,900.00   | 0.00            | 0.00        | 7,766.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 8,000.00   | 0.00            | 0.00        | 7,866.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 8,025.40   | 0.00            | 0.00        | 7,892.00            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| <b>Target = 630480.68, 1225933.77</b>              |                 |             |                     |            |            |                       |                       |                      |                     |
| 8,100.00   | 0.00            | 0.00        | 7,966.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 8,200.00   | 0.00            | 0.00        | 8,066.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 8,300.00   | 0.00            | 0.00        | 8,166.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 8,400.00   | 0.00            | 0.00        | 8,266.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 8,500.00   | 0.00            | 0.00        | 8,366.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 8,600.00   | 0.00            | 0.00        | 8,466.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 8,653.40   | 0.00            | 0.00        | 8,520.00            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| <b>Rollins</b>                                     |                 |             |                     |            |            |                       |                       |                      |                     |

|                  |                             |                                     |                                      |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | Rockies-R5000.1             | <b>Local Co-ordinate Reference:</b> | Well CC 697-08-52B - Slot U          |
| <b>Company:</b>  | OXY USA RMAT                | <b>TVD Reference:</b>               | GL 8411' & RKB 30' @ 8441.00ft (H&P) |
| <b>Project:</b>  | Garfield County, CO NAD27   | <b>MD Reference:</b>                | GL 8411' & RKB 30' @ 8441.00ft (H&P) |
| <b>Site:</b>     | Cascade Creek 697-08-53 Pad | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | CC 697-08-52B               | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                          |                                     |                                      |
| <b>Design:</b>   | Plan #1                     |                                     |                                      |

| Planned Survey               |                 |             |                     |            |            |                       |                       |                      |                     |
|------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)          | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 8,700.00                     | 0.00            | 0.00        | 8,566.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 8,800.00                     | 0.00            | 0.00        | 8,666.60            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| 8,853.40                     | 0.00            | 0.00        | 8,720.00            | -544.84    | -991.91    | 1,131.69              | 0.00                  | 0.00                 | 0.00                |
| PBHL = 630480.68, 1225933.77 |                 |             |                     |            |            |                       |                       |                      |                     |

| Design Targets  |               |              |          |            |            |                 |                |                  |                   |
|---|---------------|--------------|----------|------------|------------|-----------------|----------------|------------------|-------------------|
| Target Name<br>- hit/miss target<br>- Shape                                 | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude         | Longitude         |
| CC697-08-52B MV<br>- plan hits target center<br>- Point                     | 0.00          | 0.00         | 5,873.00 | -544.84    | -991.91    | 630,480.68      | 1,225,933.77   | 39° 31' 56.578 N | 108° 14' 41.030 W |
| CC697-08-52B Target<br>- plan hits target center<br>- Circle (radius 50.00) | 0.00          | 0.00         | 7,892.00 | -544.84    | -991.91    | 630,480.68      | 1,225,933.77   | 39° 31' 56.578 N | 108° 14' 41.030 W |

| Formations          |                     |                 |           |         |                   |
|---------------------|---------------------|-----------------|-----------|---------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name            | Lithology | Dip (°) | Dip Direction (°) |
| 6,006.40            | 5,873.00            | Mesaverde       |           | 0.00    |                   |
| 6,142.40            | 6,009.00            | Base Ohio Creek |           | 0.00    |                   |
| 6,834.40            | 6,701.00            | Top Gas         |           | 0.00    |                   |
| 8,653.40            | 8,520.00            | Rollins         |           | 0.00    |                   |

| Plan Annotations    |                     |                   |            |                                  |
|---------------------|---------------------|-------------------|------------|----------------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            | Comment                          |
|                     |                     | +N/-S (ft)        | +E/-W (ft) |                                  |
| 150.00              | 150.00              | 0.00              | 0.00       | Start Build 1.00                 |
| 350.00              | 349.96              | -3.49             | 0.00       | Start 2.00° Hold At 350.00' MD   |
| 550.00              | 549.84              | -10.47            | 0.00       | Start DLS 1.00 TFO 69.99         |
| 1,937.84            | 1,921.31            | -115.62           | -157.17    | Start 14.68° Hold At 1937.84' MD |
| 5,272.35            | 5,146.95            | -502.07           | -908.73    | Start Drop -2.00                 |
| 6,006.40            | 5,873.00            | -544.84           | -991.91    | Start 0.00° Hold At 6006.40' MD  |
| 8,025.40            | 7,892.00            | -544.84           | -991.91    | Target = 630480.68, 1225933.77   |
| 8,853.40            | 8,720.00            | -544.84           | -991.91    | PBHL = 630480.68, 1225933.77     |