



Scientific Drilling
Rocky Mountain Operations

Company: OXY USA RMAT
Project: Garfield County, CO NAD27
Site: Cascade Creek 697-05C Pad



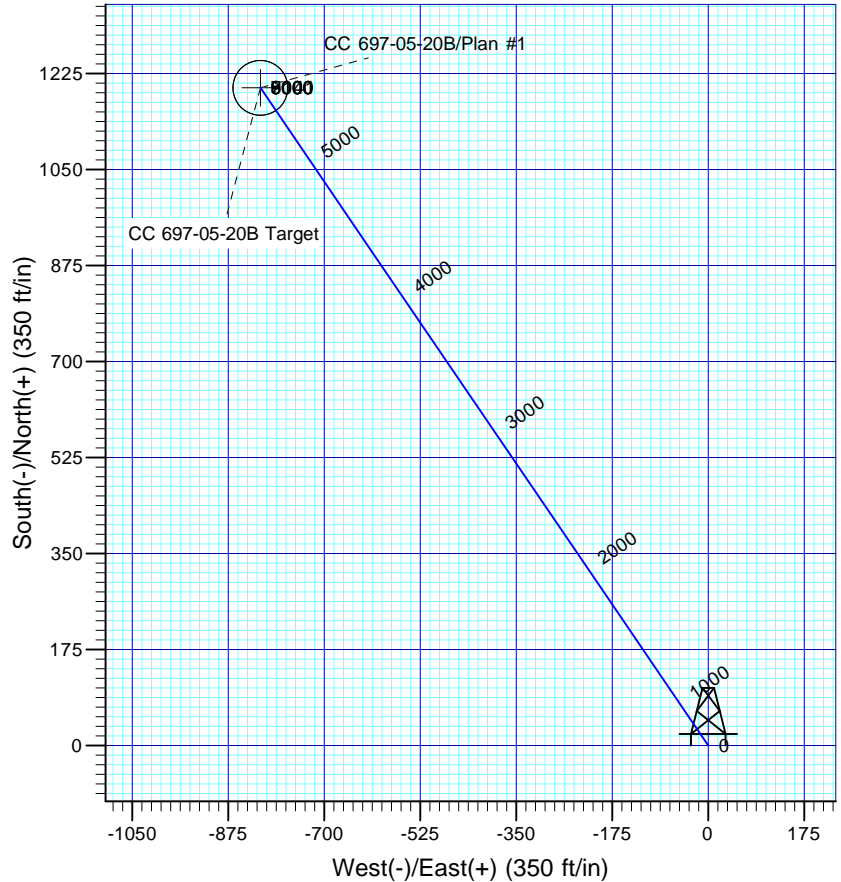
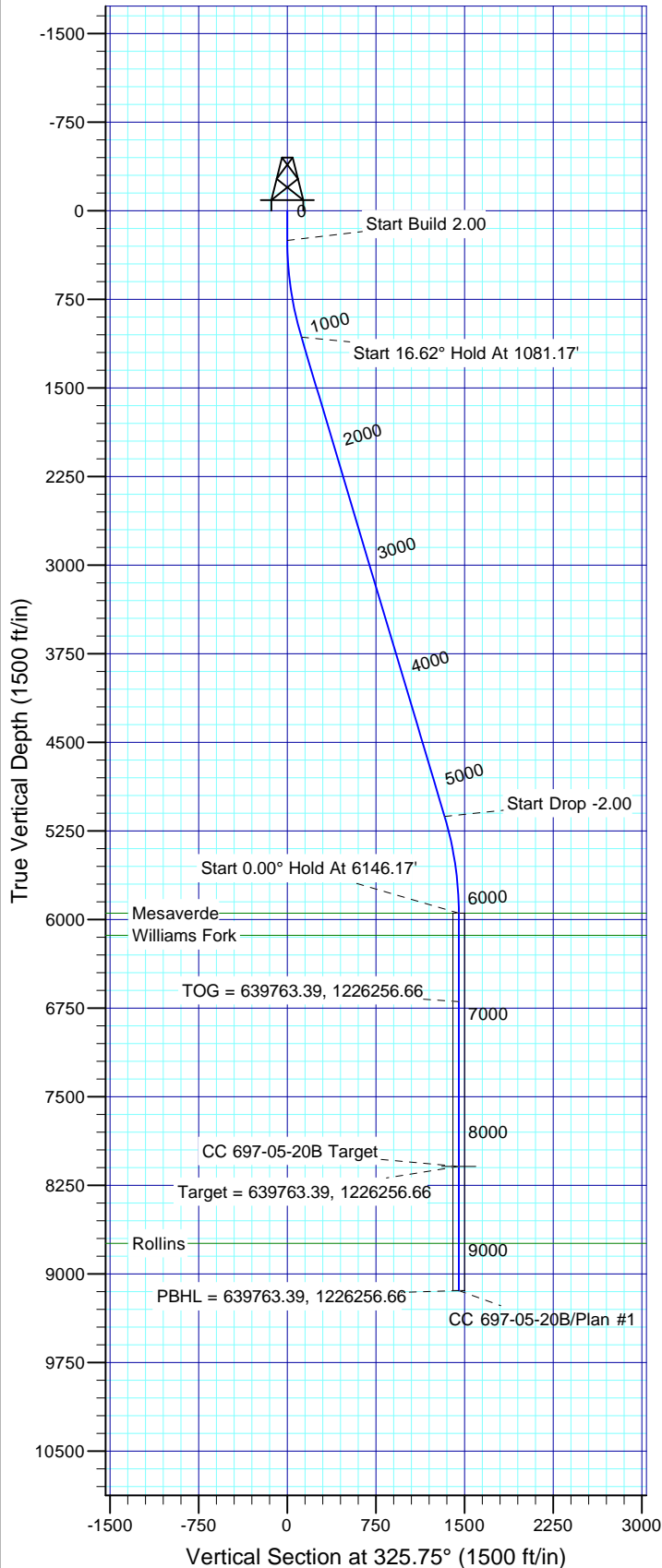
Well Details: CC 697-05-20B

TVD Reference: GL 8429' & RKB 30' @ 8459.00ft (H&P) Ground Level: 8429.00
+N/-S 0.00 +E/-W 0.00 Northing 638540.24 Easting 1227036.63 Latitude 39° 33' 16.528 N Longitude 108° 14' 30.065 W Slot O



Azimuths to True North
Magnetic North: 10.51°

Magnetic Field
Strength: 52311.6snT
Dip Angle: 65.77°
Date: 2010/12/16
Model: IGRF2005-10



FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|---------------|
| 5946.00 | 6146.17 | Mesaverde |
| 6134.00 | 6334.17 | Williams Fork |
| 8741.00 | 8941.17 | Rollins |

Plan: Plan #1

14:08, December 28 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

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSec | Target |
|-----|---------|-------|--------|---------|---------|---------|------|--------|---------|----------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 250.00 | 0.00 | 0.00 | 250.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1081.17 | 16.62 | 325.75 | 1069.55 | 98.96 | -67.39 | 2.00 | 325.75 | 119.73 | |
| 4 | 5315.01 | 16.62 | 325.75 | 5126.45 | 1100.09 | -749.13 | 0.00 | 0.00 | 1330.94 | |
| 5 | 6146.17 | 0.00 | 0.00 | 5946.00 | 1199.06 | -816.52 | 2.00 | 180.00 | 1450.67 | |
| 6 | 8289.17 | 0.00 | 0.00 | 8089.00 | 1199.06 | -816.52 | 0.00 | 0.00 | 1450.67 | CC 697-05-20B Target |
| 7 | 9341.17 | 0.00 | 0.00 | 9141.00 | 1199.06 | -816.52 | 0.00 | 0.00 | 1450.67 | |

OXY USA RMAT

**Garfield County, CO NAD27
Cascade Creek 697-05C Pad
CC 697-05-20B - Slot O**

OH

Plan: Plan #1

Standard Planning Report

28 December, 2010

Scientific Drilling International

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM-RexH-Local | Local Co-ordinate Reference: | Well CC 697-05-20B - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8429' & RKB 30' @ 8459.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8429' & RKB 30' @ 8459.00ft (H&P) |
| Site: | Cascade Creek 697-05C Pad | North Reference: | True |
| Well: | CC 697-05-20B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

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

| | | | |
|------------------------------|--|--------------------------|-------------------|
| Site | Cascade Creek 697-05C Pad, Sec. 5 T6S R97W | | |
| Site Position: | | Northing: | 637,463.43 usft |
| From: | Map | Easting: | 1,226,150.07 usft |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 0.000 in |
| | | Latitude: | 39° 33' 5.626 N |
| | | Longitude: | 108° 14' 40.963 W |
| | | Grid Convergence: | -1.73 ° |

| | | | |
|-----------------------------|------------------------|-------------|----------------------------|
| Well | CC 697-05-20B - Slot O | | |
| Well Position | +N/-S | 1,103.11 ft | Northing: |
| | +E/-W | 853.63 ft | Easting: |
| Position Uncertainty | 0.00 ft | | Wellhead Elevation: |
| | | | Latitude: |
| | | | Longitude: |
| | | | Ground Level: |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2005-10 | 2010/12/16 | 10.51 | 65.77 | 52,312 |

| | | | | |
|--------------------------|-------------------------|--------------|----------------------|------------------|
| Design | Plan #1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) | +N/-S | +E/-W | Direction |
| | (ft) | (ft) | (ft) | (°) |
| | 0.00 | 0.00 | 0.00 | 325.75 |

| Plan Sections | | | | | | | | | | |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|----------------------|
| 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 | |
| 250.00 | 0.00 | 0.00 | 250.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,081.17 | 16.62 | 325.75 | 1,069.55 | 98.96 | -67.39 | 2.00 | 2.00 | 0.00 | 325.75 | |
| 5,315.01 | 16.62 | 325.75 | 5,126.45 | 1,100.09 | -749.13 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,146.17 | 0.00 | 0.00 | 5,946.00 | 1,199.06 | -816.52 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 8,289.17 | 0.00 | 0.00 | 8,089.00 | 1,199.06 | -816.52 | 0.00 | 0.00 | 0.00 | 0.00 | CC 697-05-20B Target |
| 9,341.17 | 0.00 | 0.00 | 9,141.00 | 1,199.06 | -816.52 | 0.00 | 0.00 | 0.00 | 0.00 | |

Scientific Drilling International

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM-RexH-Local | Local Co-ordinate Reference: | Well CC 697-05-20B - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8429' & RKB 30' @ 8459.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8429' & RKB 30' @ 8459.00ft (H&P) |
| Site: | Cascade Creek 697-05C Pad | North Reference: | True |
| Well: | CC 697-05-20B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | 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 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250.00 | 0.00 | 0.00 | 250.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start Build 2.00 | | | | | | | | | |
| 300.00 | 1.00 | 325.75 | 300.00 | 0.36 | -0.25 | 0.44 | 2.00 | 2.00 | 0.00 |
| 400.00 | 3.00 | 325.75 | 399.93 | 3.25 | -2.21 | 3.93 | 2.00 | 2.00 | 0.00 |
| 500.00 | 5.00 | 325.75 | 499.68 | 9.01 | -6.14 | 10.90 | 2.00 | 2.00 | 0.00 |
| 600.00 | 7.00 | 325.75 | 599.13 | 17.65 | -12.02 | 21.35 | 2.00 | 2.00 | 0.00 |
| 700.00 | 9.00 | 325.75 | 698.15 | 29.15 | -19.85 | 35.27 | 2.00 | 2.00 | 0.00 |
| 800.00 | 11.00 | 325.75 | 796.63 | 43.50 | -29.63 | 52.63 | 2.00 | 2.00 | 0.00 |
| 900.00 | 13.00 | 325.75 | 894.44 | 60.69 | -41.33 | 73.42 | 2.00 | 2.00 | 0.00 |
| 1,000.00 | 15.00 | 325.75 | 991.46 | 80.68 | -54.94 | 97.62 | 2.00 | 2.00 | 0.00 |
| 1,081.17 | 16.62 | 325.75 | 1,069.55 | 98.96 | -67.39 | 119.73 | 2.00 | 2.00 | 0.00 |
| Start 16.62° Hold At 1081.17' | | | | | | | | | |
| 1,100.00 | 16.62 | 325.75 | 1,087.60 | 103.42 | -70.42 | 125.12 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 16.62 | 325.75 | 1,183.42 | 127.06 | -86.53 | 153.73 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 16.62 | 325.75 | 1,279.24 | 150.71 | -102.63 | 182.33 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 16.62 | 325.75 | 1,375.06 | 174.35 | -118.73 | 210.94 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 16.62 | 325.75 | 1,470.88 | 198.00 | -134.83 | 239.55 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 16.62 | 325.75 | 1,566.70 | 221.65 | -150.94 | 268.16 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 16.62 | 325.75 | 1,662.52 | 245.29 | -167.04 | 296.77 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 16.62 | 325.75 | 1,758.35 | 268.94 | -183.14 | 325.37 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 16.62 | 325.75 | 1,854.17 | 292.58 | -199.24 | 353.98 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 16.62 | 325.75 | 1,949.99 | 316.23 | -215.34 | 382.59 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 16.62 | 325.75 | 2,045.81 | 339.88 | -231.45 | 411.20 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 16.62 | 325.75 | 2,141.63 | 363.52 | -247.55 | 439.80 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 16.62 | 325.75 | 2,237.45 | 387.17 | -263.65 | 468.41 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 16.62 | 325.75 | 2,333.27 | 410.81 | -279.75 | 497.02 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 16.62 | 325.75 | 2,429.09 | 434.46 | -295.85 | 525.63 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 16.62 | 325.75 | 2,524.91 | 458.11 | -311.96 | 554.24 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 16.62 | 325.75 | 2,620.73 | 481.75 | -328.06 | 582.84 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 16.62 | 325.75 | 2,716.55 | 505.40 | -344.16 | 611.45 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 16.62 | 325.75 | 2,812.37 | 529.04 | -360.26 | 640.06 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 16.62 | 325.75 | 2,908.19 | 552.69 | -376.37 | 668.67 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 16.62 | 325.75 | 3,004.01 | 576.33 | -392.47 | 697.28 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 16.62 | 325.75 | 3,099.83 | 599.98 | -408.57 | 725.88 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 16.62 | 325.75 | 3,195.65 | 623.63 | -424.67 | 754.49 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 16.62 | 325.75 | 3,291.48 | 647.27 | -440.77 | 783.10 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 16.62 | 325.75 | 3,387.30 | 670.92 | -456.88 | 811.71 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 16.62 | 325.75 | 3,483.12 | 694.56 | -472.98 | 840.31 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 16.62 | 325.75 | 3,578.94 | 718.21 | -489.08 | 868.92 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 16.62 | 325.75 | 3,674.76 | 741.86 | -505.18 | 897.53 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 16.62 | 325.75 | 3,770.58 | 765.50 | -521.29 | 926.14 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 16.62 | 325.75 | 3,866.40 | 789.15 | -537.39 | 954.75 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 16.62 | 325.75 | 3,962.22 | 812.79 | -553.49 | 983.35 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 16.62 | 325.75 | 4,058.04 | 836.44 | -569.59 | 1,011.96 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 16.62 | 325.75 | 4,153.86 | 860.09 | -585.69 | 1,040.57 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 16.62 | 325.75 | 4,249.68 | 883.73 | -601.80 | 1,069.18 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 16.62 | 325.75 | 4,345.50 | 907.38 | -617.90 | 1,097.79 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 16.62 | 325.75 | 4,441.32 | 931.02 | -634.00 | 1,126.39 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 16.62 | 325.75 | 4,537.14 | 954.67 | -650.10 | 1,155.00 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 16.62 | 325.75 | 4,632.96 | 978.32 | -666.21 | 1,183.61 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 16.62 | 325.75 | 4,728.78 | 1,001.96 | -682.31 | 1,212.22 | 0.00 | 0.00 | 0.00 |

Scientific Drilling International

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
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| Company: | OXY USA RMAT | TVD Reference: | GL 8429' & RKB 30' @ 8459.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8429' & RKB 30' @ 8459.00ft (H&P) |
| Site: | Cascade Creek 697-05C Pad | North Reference: | True |
| Well: | CC 697-05-20B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | 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) |
| 5,000.00 | 16.62 | 325.75 | 4,824.61 | 1,025.61 | -698.41 | 1,240.82 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 16.62 | 325.75 | 4,920.43 | 1,049.25 | -714.51 | 1,269.43 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 16.62 | 325.75 | 5,016.25 | 1,072.90 | -730.61 | 1,298.04 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 16.62 | 325.75 | 5,112.07 | 1,096.54 | -746.72 | 1,326.65 | 0.00 | 0.00 | 0.00 |
| 5,315.01 | 16.62 | 325.75 | 5,126.45 | 1,100.09 | -749.13 | 1,330.94 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 5,400.00 | 14.92 | 325.75 | 5,208.24 | 1,119.19 | -762.14 | 1,354.04 | 2.00 | -2.00 | 0.00 |
| 5,500.00 | 12.92 | 325.75 | 5,305.29 | 1,139.08 | -775.68 | 1,378.11 | 2.00 | -2.00 | 0.00 |
| 5,600.00 | 10.92 | 325.75 | 5,403.13 | 1,156.15 | -787.31 | 1,398.77 | 2.00 | -2.00 | 0.00 |
| 5,700.00 | 8.92 | 325.75 | 5,501.63 | 1,170.40 | -797.01 | 1,416.00 | 2.00 | -2.00 | 0.00 |
| 5,800.00 | 6.92 | 325.75 | 5,600.67 | 1,181.79 | -804.77 | 1,429.78 | 2.00 | -2.00 | 0.00 |
| 5,900.00 | 4.92 | 325.75 | 5,700.13 | 1,190.32 | -810.57 | 1,440.10 | 2.00 | -2.00 | 0.00 |
| 6,000.00 | 2.92 | 325.75 | 5,799.89 | 1,195.97 | -814.43 | 1,446.94 | 2.00 | -2.00 | 0.00 |
| 6,100.00 | 0.92 | 325.75 | 5,899.83 | 1,198.75 | -816.31 | 1,450.30 | 2.00 | -2.00 | 0.00 |
| 6,146.17 | 0.00 | 0.00 | 5,946.00 | 1,199.06 | -816.52 | 1,450.67 | 2.00 | -2.00 | 0.00 |
| Start 0.00° Hold At 6146.17' - Mesaverde | | | | | | | | | |
| 6,200.00 | 0.00 | 0.00 | 5,999.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 0.00 | 0.00 | 6,099.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 6,334.17 | 0.00 | 0.00 | 6,134.00 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| Williams Fork | | | | | | | | | |
| 6,400.00 | 0.00 | 0.00 | 6,199.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 0.00 | 0.00 | 6,299.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 0.00 | 0.00 | 6,399.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.00 | 0.00 | 6,499.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 0.00 | 0.00 | 6,599.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 6,894.17 | 0.00 | 0.00 | 6,694.00 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| TOG = 639763.39, 1226256.66 | | | | | | | | | |
| 6,900.00 | 0.00 | 0.00 | 6,699.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.00 | 0.00 | 6,799.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 6,899.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 0.00 | 0.00 | 6,999.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.00 | 0.00 | 7,099.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.00 | 0.00 | 7,199.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 0.00 | 0.00 | 7,299.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 0.00 | 0.00 | 7,399.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 0.00 | 0.00 | 7,499.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 0.00 | 0.00 | 7,599.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 0.00 | 0.00 | 7,699.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 0.00 | 0.00 | 7,799.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 7,899.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 0.00 | 0.00 | 7,999.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 8,289.17 | 0.00 | 0.00 | 8,089.00 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| Target = 639763.39, 1226256.66 | | | | | | | | | |
| 8,300.00 | 0.00 | 0.00 | 8,099.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 0.00 | 0.00 | 8,199.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 0.00 | 0.00 | 8,299.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 0.00 | 0.00 | 8,399.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 0.00 | 0.00 | 8,499.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 0.00 | 0.00 | 8,599.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 0.00 | 0.00 | 8,699.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| 8,941.17 | 0.00 | 0.00 | 8,741.00 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |
| Rollins | | | | | | | | | |
| 9,000.00 | 0.00 | 0.00 | 8,799.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 |

Scientific Drilling International

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM-RexH-Local | Local Co-ordinate Reference: | Well CC 697-05-20B - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8429' & RKB 30' @ 8459.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8429' & RKB 30' @ 8459.00ft (H&P) |
| Site: | Cascade Creek 697-05C Pad | North Reference: | True |
| Well: | CC 697-05-20B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | 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) | |
| 9,100.00 | 0.00 | 0.00 | 8,899.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 | |
| 9,200.00 | 0.00 | 0.00 | 8,999.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 | |
| 9,300.00 | 0.00 | 0.00 | 9,099.83 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 | |
| 9,341.17 | 0.00 | 0.00 | 9,141.00 | 1,199.06 | -816.52 | 1,450.67 | 0.00 | 0.00 | 0.00 | |
| PBHL = 639763.39, 1226256.66 | | | | | | | | | | |

| Design Targets | | | | | | | | | | |
|---------------------------|---------------|--------------|----------|------------|------------|-----------------|----------------|------------------|-------------------|--|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude | |
| - hit/miss target | | | | | | | | | | |
| - Shape | | | | | | | | | | |
| CC 697-05-20B Target | 0.00 | 0.00 | 8,089.00 | 1,199.06 | -816.52 | 639,763.39 | 1,226,256.66 | 39° 33' 28.379 N | 108° 14' 40.490 W | |
| - plan hits target center | | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | | |

| Formations | | | | | | |
|---------------------|---------------------|---------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 6,146.17 | 5,946.00 | Mesaverde | | 0.00 | | |
| 6,334.17 | 6,134.00 | Williams Fork | | 0.00 | | |
| 8,941.17 | 8,741.00 | Rollins | | 0.00 | | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|--------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 250.00 | 250.00 | 0.00 | 0.00 | Start Build 2.00 | |
| 1,081.17 | 1,069.55 | 98.96 | -67.39 | Start 16.62° Hold At 1081.17' | |
| 5,315.01 | 5,126.45 | 1,100.09 | -749.13 | Start Drop -2.00 | |
| 6,146.17 | 5,946.00 | 1,199.06 | -816.52 | Start 0.00° Hold At 6146.17' | |
| 6,894.17 | 6,694.00 | 1,199.06 | -816.52 | TOG = 639763.39, 1226256.66 | |
| 8,289.17 | 8,089.00 | 1,199.06 | -816.52 | Target = 639763.39, 1226256.66 | |
| 9,341.17 | 9,141.00 | 1,199.06 | -816.52 | PBHL = 639763.39, 1226256.66 | |