



Scientific Drilling
Rocky Mountain Operations

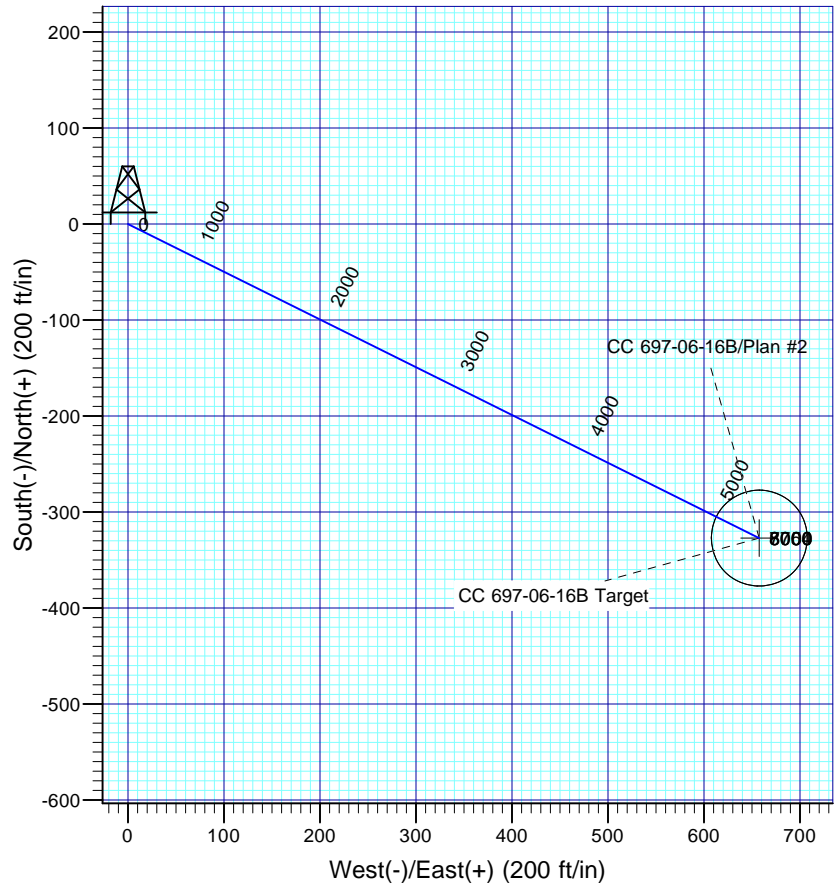
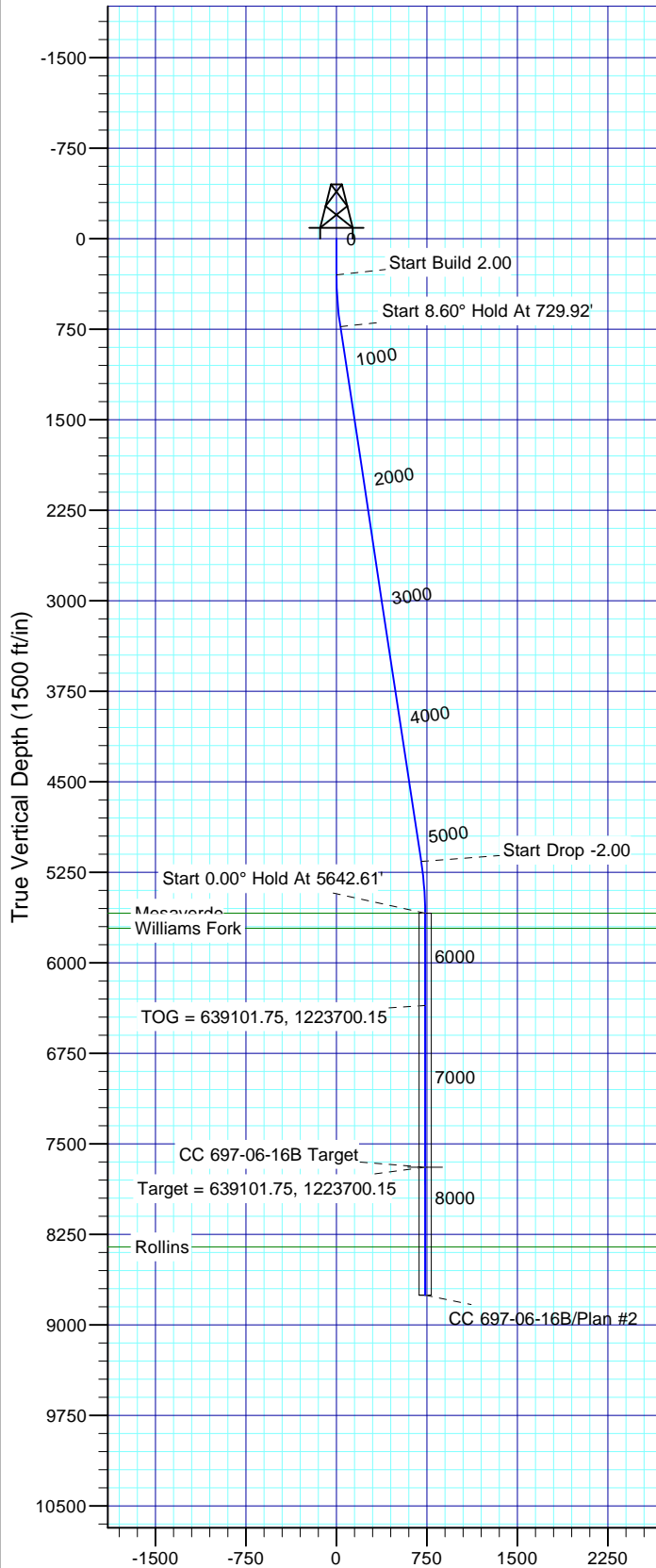
Company: OXY USA RMAT
Project: Garfield County, CO NAD27
Site: Cascade Creek 697-06A Pad



Well Details: CC 697-06-16B

TVD Reference: GL 8184' & RKB 30' @ 8214.00ft (H&P) Ground Level: 8184.00
+N/-S 0.00 +E/-W 0.00 Northing 639448.86 Easting 1223052.72 Latitude 39° 33' 24.313 N Longitude 108° 15' 21.257 W Slot O

T M Azimuths to True North
Magnetic North: 10.51°
Magnetic Field
Strength: 52311.8snT
Dip Angle: 65.77°
Date: 2010/12/20
Model: IGRF2005-10



FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|---------------|
| 5589.00 | 5642.61 | Mesaverde |
| 5714.00 | 5767.61 | Williams Fork |
| 8354.00 | 8407.61 | Rollins |

Plan: Plan #2

20:47, February 03 2011
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 | V Sect | Target |
|-----|---------|------|--------|---------|---------|--------|------|--------|--------|----------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 729.92 | 8.60 | 116.46 | 728.31 | -14.35 | 28.83 | 2.00 | 116.46 | 32.20 | |
| 4 | 5212.69 | 8.60 | 116.46 | 5160.69 | -312.96 | 628.84 | 0.00 | 0.00 | 702.41 | |
| 5 | 5642.61 | 0.00 | 0.00 | 5589.00 | -327.31 | 657.66 | 2.00 | 180.00 | 734.61 | |
| 6 | 7747.61 | 0.00 | 0.00 | 7694.00 | -327.31 | 657.66 | 0.00 | 0.00 | 734.61 | CC 697-06-16B Target |
| 7 | 8807.61 | 0.00 | 0.00 | 8754.00 | -327.31 | 657.66 | 0.00 | 0.00 | 734.61 | |

OXY USA RMAT

**Garfield County, CO NAD27
Cascade Creek 697-06A Pad
CC 697-06-16B - Slot O**

OH

Plan: Plan #2

Standard Planning Report

03 February, 2011

Scientific Drilling International

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM-RexH-Local | Local Co-ordinate Reference: | Well CC 697-06-16B - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8184' & RKB 30' @ 8214.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8184' & RKB 30' @ 8214.00ft (H&P) |
| Site: | Cascade Creek 697-06A Pad | North Reference: | True |
| Well: | CC 697-06-16B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #2 | | |

| | | | |
|--------------------|--------------------------------------|----------------------|----------------|
| 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 697-06A Pad, Sec 6 T6S R97W | | | | |
| Site Position: | | Northing: | 639,442.25 usft | Latitude: | 39° 33' 24.203 N | |
| From: | Map | Easting: | 1,222,903.93 usft | Longitude: | 108° 15' 23.153 W | |
| Position Uncertainty: | | 0.00 ft | Slot Radius: | 13.200 in | Grid Convergence: | -1.74 ° |

| Well | CC 697-06-16B - Slot O | | | | | |
|----------------------|------------------------|-----------|---------------------|-------------------|---------------|-------------------|
| Well Position | +N/-S | 11.12 ft | Northing: | 639,448.86 usft | Latitude: | 39° 33' 24.313 N |
| | +E/-W | 148.52 ft | Easting: | 1,223,052.72 usft | Longitude: | 108° 15' 21.257 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | | Ground Level: | 8,184.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2005-10 | 2010/12/20 | 10.51 | 65.77 | 52,312 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | Plan #2 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 116.46 |

| 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 | |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 729.92 | 8.60 | 116.46 | 728.31 | -14.35 | 28.83 | 2.00 | 2.00 | 0.00 | 116.46 | |
| 5,212.69 | 8.60 | 116.46 | 5,160.69 | -312.96 | 628.84 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,642.61 | 0.00 | 0.00 | 5,589.00 | -327.31 | 657.66 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 7,747.61 | 0.00 | 0.00 | 7,694.00 | -327.31 | 657.66 | 0.00 | 0.00 | 0.00 | 0.00 | CC 697-06-16B Target |
| 8,807.61 | 0.00 | 0.00 | 8,754.00 | -327.31 | 657.66 | 0.00 | 0.00 | 0.00 | 0.00 | |

Scientific Drilling International

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM-RexH-Local | Local Co-ordinate Reference: | Well CC 697-06-16B - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8184' & RKB 30' @ 8214.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8184' & RKB 30' @ 8214.00ft (H&P) |
| Site: | Cascade Creek 697-06A Pad | North Reference: | True |
| Well: | CC 697-06-16B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #2 | | |

| 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 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start Build 2.00 | | | | | | | | | |
| 400.00 | 2.00 | 116.46 | 399.98 | -0.78 | 1.56 | 1.75 | 2.00 | 2.00 | 0.00 |
| 500.00 | 4.00 | 116.46 | 499.84 | -3.11 | 6.25 | 6.98 | 2.00 | 2.00 | 0.00 |
| 600.00 | 6.00 | 116.46 | 599.45 | -6.99 | 14.05 | 15.69 | 2.00 | 2.00 | 0.00 |
| 700.00 | 8.00 | 116.46 | 698.70 | -12.42 | 24.96 | 27.88 | 2.00 | 2.00 | 0.00 |
| 729.92 | 8.60 | 116.46 | 728.31 | -14.35 | 28.83 | 32.20 | 2.00 | 2.00 | 0.00 |
| Start 8.60° Hold At 729.92' | | | | | | | | | |
| 800.00 | 8.60 | 116.46 | 797.60 | -19.01 | 38.21 | 42.68 | 0.00 | 0.00 | 0.00 |
| 900.00 | 8.60 | 116.46 | 896.48 | -25.68 | 51.59 | 57.63 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 8.60 | 116.46 | 995.35 | -32.34 | 64.98 | 72.58 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 8.60 | 116.46 | 1,094.23 | -39.00 | 78.36 | 87.53 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 8.60 | 116.46 | 1,193.10 | -45.66 | 91.75 | 102.48 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 8.60 | 116.46 | 1,291.98 | -52.32 | 105.13 | 117.43 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 8.60 | 116.46 | 1,390.86 | -58.98 | 118.52 | 132.38 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 8.60 | 116.46 | 1,489.73 | -65.64 | 131.90 | 147.33 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 8.60 | 116.46 | 1,588.61 | -72.31 | 145.28 | 162.28 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 8.60 | 116.46 | 1,687.48 | -78.97 | 158.67 | 177.23 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 8.60 | 116.46 | 1,786.36 | -85.63 | 172.05 | 192.18 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 8.60 | 116.46 | 1,885.24 | -92.29 | 185.44 | 207.14 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 8.60 | 116.46 | 1,984.11 | -98.95 | 198.82 | 222.09 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 8.60 | 116.46 | 2,082.99 | -105.61 | 212.21 | 237.04 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 8.60 | 116.46 | 2,181.87 | -112.27 | 225.59 | 251.99 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 8.60 | 116.46 | 2,280.74 | -118.94 | 238.98 | 266.94 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 8.60 | 116.46 | 2,379.62 | -125.60 | 252.36 | 281.89 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 8.60 | 116.46 | 2,478.49 | -132.26 | 265.75 | 296.84 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 8.60 | 116.46 | 2,577.37 | -138.92 | 279.13 | 311.79 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 8.60 | 116.46 | 2,676.25 | -145.58 | 292.52 | 326.74 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 8.60 | 116.46 | 2,775.12 | -152.24 | 305.90 | 341.69 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 8.60 | 116.46 | 2,874.00 | -158.90 | 319.29 | 356.64 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 8.60 | 116.46 | 2,972.87 | -165.57 | 332.67 | 371.60 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 8.60 | 116.46 | 3,071.75 | -172.23 | 346.06 | 386.55 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 8.60 | 116.46 | 3,170.63 | -178.89 | 359.44 | 401.50 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 8.60 | 116.46 | 3,269.50 | -185.55 | 372.83 | 416.45 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 8.60 | 116.46 | 3,368.38 | -192.21 | 386.21 | 431.40 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 8.60 | 116.46 | 3,467.25 | -198.87 | 399.60 | 446.35 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 8.60 | 116.46 | 3,566.13 | -205.53 | 412.98 | 461.30 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 8.60 | 116.46 | 3,665.01 | -212.20 | 426.37 | 476.25 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 8.60 | 116.46 | 3,763.88 | -218.86 | 439.75 | 491.20 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 8.60 | 116.46 | 3,862.76 | -225.52 | 453.14 | 506.15 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 8.60 | 116.46 | 3,961.63 | -232.18 | 466.52 | 521.10 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 8.60 | 116.46 | 4,060.51 | -238.84 | 479.91 | 536.05 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 8.60 | 116.46 | 4,159.39 | -245.50 | 493.29 | 551.01 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 8.60 | 116.46 | 4,258.26 | -252.16 | 506.68 | 565.96 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 8.60 | 116.46 | 4,357.14 | -258.83 | 520.06 | 580.91 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 8.60 | 116.46 | 4,456.01 | -265.49 | 533.44 | 595.86 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 8.60 | 116.46 | 4,554.89 | -272.15 | 546.83 | 610.81 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 8.60 | 116.46 | 4,653.77 | -278.81 | 560.21 | 625.76 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 8.60 | 116.46 | 4,752.64 | -285.47 | 573.60 | 640.71 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 8.60 | 116.46 | 4,851.52 | -292.13 | 586.98 | 655.66 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 8.60 | 116.46 | 4,950.39 | -298.79 | 600.37 | 670.61 | 0.00 | 0.00 | 0.00 |

Scientific Drilling International

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM-RexH-Local | Local Co-ordinate Reference: | Well CC 697-06-16B - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8184' & RKB 30' @ 8214.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8184' & RKB 30' @ 8214.00ft (H&P) |
| Site: | Cascade Creek 697-06A Pad | North Reference: | True |
| Well: | CC 697-06-16B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #2 | | |

| 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) |
| 5,100.00 | 8.60 | 116.46 | 5,049.27 | -305.46 | 613.75 | 685.56 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 8.60 | 116.46 | 5,148.15 | -312.12 | 627.14 | 700.51 | 0.00 | 0.00 | 0.00 |
| 5,212.69 | 8.60 | 116.46 | 5,160.69 | -312.96 | 628.84 | 702.41 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 5,300.00 | 6.85 | 116.46 | 5,247.21 | -318.19 | 639.34 | 714.15 | 2.00 | -2.00 | 0.00 |
| 5,400.00 | 4.85 | 116.46 | 5,346.68 | -322.73 | 648.47 | 724.34 | 2.00 | -2.00 | 0.00 |
| 5,500.00 | 2.85 | 116.46 | 5,446.45 | -325.73 | 654.49 | 731.06 | 2.00 | -2.00 | 0.00 |
| 5,600.00 | 0.85 | 116.46 | 5,546.39 | -327.17 | 657.38 | 734.29 | 2.00 | -2.00 | 0.00 |
| 5,642.61 | 0.00 | 0.00 | 5,589.00 | -327.31 | 657.66 | 734.61 | 2.00 | -2.00 | 0.00 |
| Start 0.00° Hold At 5642.61' - Mesaverde | | | | | | | | | |
| 5,700.00 | 0.00 | 0.00 | 5,646.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 5,767.61 | 0.00 | 0.00 | 5,714.00 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| Williams Fork | | | | | | | | | |
| 5,800.00 | 0.00 | 0.00 | 5,746.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 0.00 | 0.00 | 5,846.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 0.00 | 0.00 | 5,946.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 0.00 | 0.00 | 6,046.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 0.00 | 0.00 | 6,146.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 0.00 | 0.00 | 6,246.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 0.00 | 0.00 | 6,346.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 6,407.61 | 0.00 | 0.00 | 6,354.00 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| TOG = 639101.75, 1223700.15 | | | | | | | | | |
| 6,500.00 | 0.00 | 0.00 | 6,446.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 0.00 | 0.00 | 6,546.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.00 | 0.00 | 6,646.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 0.00 | 0.00 | 6,746.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 0.00 | 0.00 | 6,846.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.00 | 0.00 | 6,946.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 7,046.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 0.00 | 0.00 | 7,146.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.00 | 0.00 | 7,246.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.00 | 0.00 | 7,346.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 0.00 | 0.00 | 7,446.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 0.00 | 0.00 | 7,546.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 0.00 | 0.00 | 7,646.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 7,747.61 | 0.00 | 0.00 | 7,694.00 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| Target = 639101.75, 1223700.15 | | | | | | | | | |
| 7,800.00 | 0.00 | 0.00 | 7,746.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 0.00 | 0.00 | 7,846.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 0.00 | 0.00 | 7,946.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 8,046.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 0.00 | 0.00 | 8,146.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 0.00 | 0.00 | 8,246.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 0.00 | 0.00 | 8,346.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 8,407.61 | 0.00 | 0.00 | 8,354.00 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| Rollins | | | | | | | | | |
| 8,500.00 | 0.00 | 0.00 | 8,446.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 0.00 | 0.00 | 8,546.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 0.00 | 0.00 | 8,646.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 0.00 | 0.00 | 8,746.39 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| 8,807.61 | 0.00 | 0.00 | 8,754.00 | -327.31 | 657.66 | 734.61 | 0.00 | 0.00 | 0.00 |
| PBHL = 639101.75, 1223700.15 | | | | | | | | | |

Scientific Drilling International

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM-RexH-Local | Local Co-ordinate Reference: | Well CC 697-06-16B - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8184' & RKB 30' @ 8214.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8184' & RKB 30' @ 8214.00ft (H&P) |
| Site: | Cascade Creek 697-06A Pad | North Reference: | True |
| Well: | CC 697-06-16B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #2 | | |

| Design Targets | | | | | | | | | |
|---------------------------|-----------|----------|----------|---------|--------|------------|--------------|------------------|-------------------|
| Target Name | Dip Angle | Dip Dir. | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| - hit/miss target | (°) | (°) | (ft) | (ft) | (ft) | (usft) | (usft) | | |
| - Shape | | | | | | | | | |
| CC 697-06-16B Target | 0.00 | 0.00 | 7,694.00 | -327.31 | 657.66 | 639,101.76 | 1,223,700.15 | 39° 33' 21.078 N | 108° 15' 12.860 W |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |

| Formations | | | | | |
|----------------|----------------|---------------|-----------|------|---------------|
| Measured Depth | Vertical Depth | Name | Lithology | Dip | Dip Direction |
| (ft) | (ft) | | | (°) | (°) |
| 5,642.61 | 5,589.00 | Mesaverde | | 0.00 | |
| 5,767.61 | 5,714.00 | Williams Fork | | 0.00 | |
| 8,407.61 | 8,354.00 | Rollins | | 0.00 | |

| Plan Annotations | | | | |
|------------------|----------------|-------------------|------------|--------------------------------|
| Measured Depth | Vertical Depth | Local Coordinates | | Comment |
| (ft) | (ft) | +N/-S (ft) | +E/-W (ft) | |
| 300.00 | 300.00 | 0.00 | 0.00 | Start Build 2.00 |
| 729.92 | 728.31 | -14.35 | 28.83 | Start 8.60° Hold At 729.92' |
| 5,212.69 | 5,160.69 | -312.96 | 628.84 | Start Drop -2.00 |
| 5,642.61 | 5,589.00 | -327.31 | 657.66 | Start 0.00° Hold At 5642.61' |
| 6,407.61 | 6,354.00 | -327.31 | 657.66 | TOG = 639101.75, 1223700.15 |
| 7,747.61 | 7,694.00 | -327.31 | 657.66 | Target = 639101.75, 1223700.15 |
| 8,807.61 | 8,754.00 | -327.31 | 657.66 | PBHL = 639101.75, 1223700.15 |