



Scientific Drilling
Rocky Mountain Operations

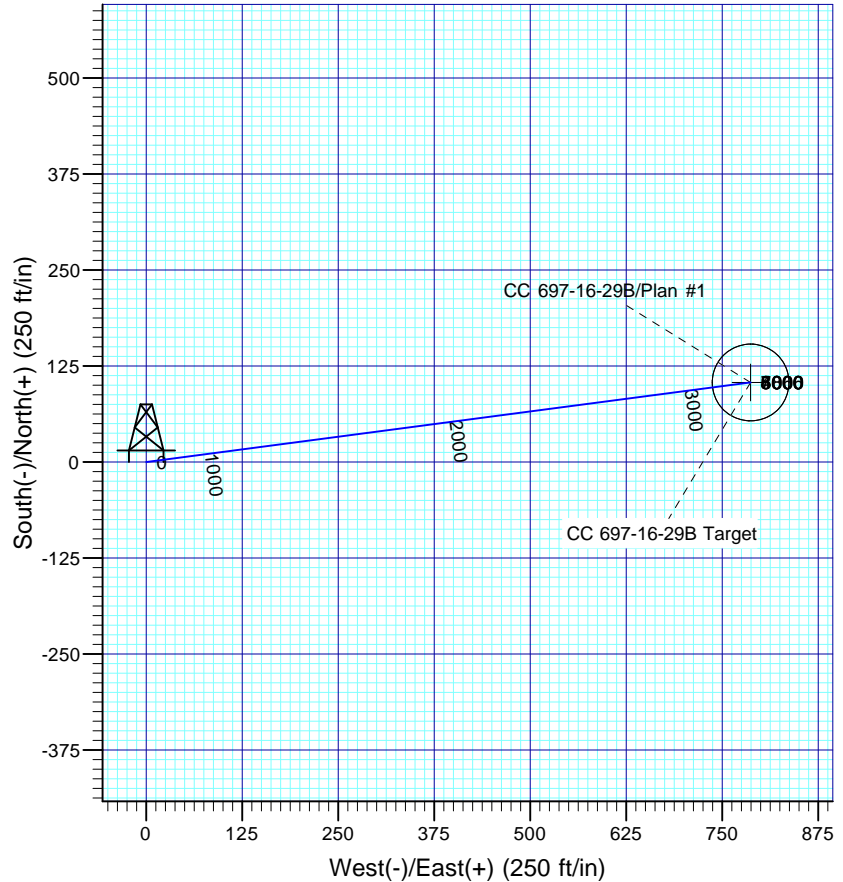
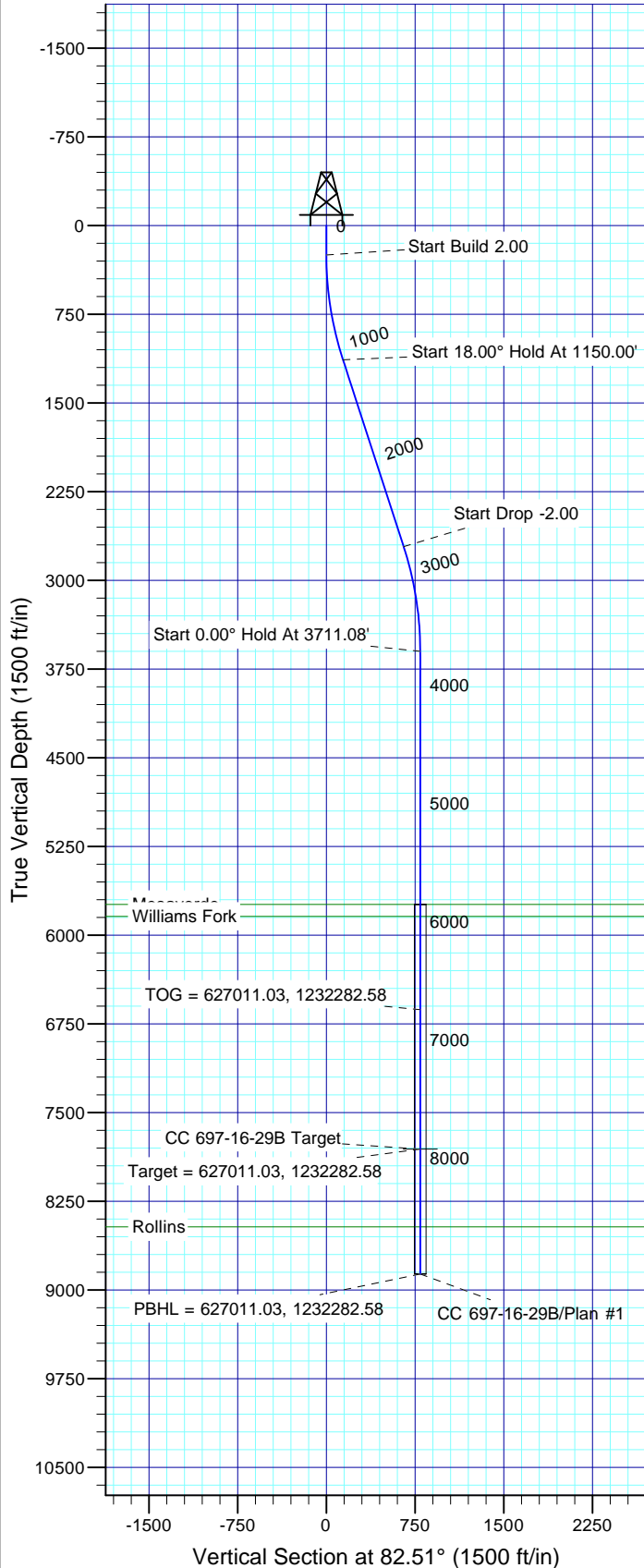
Company: OXY USA RMAT
Project: Garfield County, CO NAD27
Site: Cascade Creek 697-16-28 Pad



Well Details: CC 697-16-29B

TVD Reference: GL 8301' & RKB 30' @ 8331.00ft (H&P) Ground Level: 8301.00
+N/-S 0.00 +E/-W 0.00 Northing 626931.26 Easting 1231492.87 Latitude 39° 31' 23.166 N Longitude 108° 13' 28.752 W Slot O

T M Azimuths to True North
Magnetic North: 10.48°
Magnetic Field
Strength: 52284.4snT
Dip Angle: 65.74°
Date: 2011/02/04
Model: IGRF2005-10



FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|---------------|
| 5741.00 | 5851.76 | Mesaverde |
| 5841.00 | 5951.76 | Williams Fork |
| 8466.00 | 8576.76 | Rollins |

Plan: Plan #1

7:23, February 07 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 | 250.00 | 0.00 | 0.00 | 250.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1150.00 | 18.00 | 82.51 | 1135.27 | 18.27 | 139.02 | 2.00 | 82.51 | 140.21 | |
| 4 | 2811.08 | 18.00 | 82.51 | 2715.05 | 85.14 | 647.94 | 0.00 | 0.00 | 653.52 | |
| 5 | 3711.08 | 0.00 | 0.00 | 3600.32 | 103.41 | 786.96 | 2.00 | 180.00 | 793.73 | |
| 6 | 7920.76 | 0.00 | 0.00 | 7810.00 | 103.41 | 786.96 | 0.00 | 0.00 | 793.73 | CC 697-16-29B Target |
| 7 | 8976.76 | 0.00 | 0.00 | 8866.00 | 103.41 | 786.96 | 0.00 | 0.00 | 793.73 | |

OXY USA RMAT

**Garfield County, CO NAD27
Cascade Creek 697-16-28 Pad
CC 697-16-29B - Slot O**

OH

Plan: Plan #1

Standard Planning Report

07 February, 2011

Scientific Drilling International

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM-RexH-Local | Local Co-ordinate Reference: | Well CC 697-16-29B - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8301' & RKB 30' @ 8331.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8301' & RKB 30' @ 8331.00ft (H&P) |
| Site: | Cascade Creek 697-16-28 Pad | North Reference: | True |
| Well: | CC 697-16-29B | 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 697-16-28 Pad, Sec. 16 T6N R97W | | | |
| Site Position: | | Northing: | 627,311.42 usft | Latitude: | 39° 31' 26.935 N |
| From: | Map | Easting: | 1,231,538.04 usft | Longitude: | 108° 13' 28.321 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 0.000 in | Grid Convergence: | -1.72 ° |

| Well | | CC 697-16-29B - Slot O | | | | |
|----------------------|-------|------------------------|---------------------|-------------------|---------------|-------------------|
| Well Position | +N/-S | -381.34 ft | Northing: | 626,931.26 usft | Latitude: | 39° 31' 23.166 N |
| | +E/-W | -33.75 ft | Easting: | 1,231,492.87 usft | Longitude: | 108° 13' 28.752 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | | Ground Level: | 8,301.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2005-10 | 2011/02/04 | 10.48 | 65.74 | 52,284 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| Design | Plan #1 | | | | |
| 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 | 82.51 | |

| 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 | |
| 1,150.00 | 18.00 | 82.51 | 1,135.27 | 18.27 | 139.02 | 2.00 | 2.00 | 0.00 | 82.51 | |
| 2,811.08 | 18.00 | 82.51 | 2,715.05 | 85.14 | 647.94 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3,711.08 | 0.00 | 0.00 | 3,600.32 | 103.41 | 786.96 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 7,920.76 | 0.00 | 0.00 | 7,810.00 | 103.41 | 786.96 | 0.00 | 0.00 | 0.00 | 0.00 | CC 697-16-29B Target |
| 8,976.76 | 0.00 | 0.00 | 8,866.00 | 103.41 | 786.96 | 0.00 | 0.00 | 0.00 | 0.00 | |

Scientific Drilling International

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM-RexH-Local | Local Co-ordinate Reference: | Well CC 697-16-29B - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8301' & RKB 30' @ 8331.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8301' & RKB 30' @ 8331.00ft (H&P) |
| Site: | Cascade Creek 697-16-28 Pad | North Reference: | True |
| Well: | CC 697-16-29B | 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 | 82.51 | 300.00 | 0.06 | 0.43 | 0.44 | 2.00 | 2.00 | 0.00 |
| 400.00 | 3.00 | 82.51 | 399.93 | 0.51 | 3.89 | 3.93 | 2.00 | 2.00 | 0.00 |
| 500.00 | 5.00 | 82.51 | 499.68 | 1.42 | 10.81 | 10.90 | 2.00 | 2.00 | 0.00 |
| 600.00 | 7.00 | 82.51 | 599.13 | 2.78 | 21.17 | 21.35 | 2.00 | 2.00 | 0.00 |
| 700.00 | 9.00 | 82.51 | 698.15 | 4.60 | 34.97 | 35.27 | 2.00 | 2.00 | 0.00 |
| 800.00 | 11.00 | 82.51 | 796.63 | 6.86 | 52.19 | 52.63 | 2.00 | 2.00 | 0.00 |
| 900.00 | 13.00 | 82.51 | 894.44 | 9.57 | 72.80 | 73.42 | 2.00 | 2.00 | 0.00 |
| 1,000.00 | 15.00 | 82.51 | 991.46 | 12.72 | 96.78 | 97.62 | 2.00 | 2.00 | 0.00 |
| 1,100.00 | 17.00 | 82.51 | 1,087.58 | 16.31 | 124.11 | 125.18 | 2.00 | 2.00 | 0.00 |
| 1,150.00 | 18.00 | 82.51 | 1,135.27 | 18.27 | 139.02 | 140.21 | 2.00 | 2.00 | 0.00 |
| Start 18.00° Hold At 1150.00' | | | | | | | | | |
| 1,200.00 | 18.00 | 82.51 | 1,182.82 | 20.28 | 154.34 | 155.66 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 18.00 | 82.51 | 1,277.93 | 24.31 | 184.98 | 186.57 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 18.00 | 82.51 | 1,373.03 | 28.33 | 215.61 | 217.47 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 18.00 | 82.51 | 1,468.14 | 32.36 | 246.25 | 248.37 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 18.00 | 82.51 | 1,563.24 | 36.39 | 276.89 | 279.27 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 18.00 | 82.51 | 1,658.35 | 40.41 | 307.53 | 310.17 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 18.00 | 82.51 | 1,753.46 | 44.44 | 338.17 | 341.07 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 18.00 | 82.51 | 1,848.56 | 48.46 | 368.80 | 371.98 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 18.00 | 82.51 | 1,943.67 | 52.49 | 399.44 | 402.88 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 18.00 | 82.51 | 2,038.77 | 56.52 | 430.08 | 433.78 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 18.00 | 82.51 | 2,133.88 | 60.54 | 460.72 | 464.68 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 18.00 | 82.51 | 2,228.98 | 64.57 | 491.36 | 495.58 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 18.00 | 82.51 | 2,324.09 | 68.59 | 522.00 | 526.48 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 18.00 | 82.51 | 2,419.19 | 72.62 | 552.63 | 557.39 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 18.00 | 82.51 | 2,514.30 | 76.65 | 583.27 | 588.29 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 18.00 | 82.51 | 2,609.41 | 80.67 | 613.91 | 619.19 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 18.00 | 82.51 | 2,704.51 | 84.70 | 644.55 | 650.09 | 0.00 | 0.00 | 0.00 |
| 2,811.08 | 18.00 | 82.51 | 2,715.05 | 85.14 | 647.94 | 653.52 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 2,900.00 | 16.22 | 82.51 | 2,800.03 | 88.55 | 673.88 | 679.68 | 2.00 | -2.00 | 0.00 |
| 3,000.00 | 14.22 | 82.51 | 2,896.52 | 91.97 | 699.91 | 705.93 | 2.00 | -2.00 | 0.00 |
| 3,100.00 | 12.22 | 82.51 | 2,993.86 | 94.95 | 722.59 | 728.80 | 2.00 | -2.00 | 0.00 |
| 3,200.00 | 10.22 | 82.51 | 3,091.94 | 97.49 | 741.88 | 748.26 | 2.00 | -2.00 | 0.00 |
| 3,300.00 | 8.22 | 82.51 | 3,190.65 | 99.58 | 757.77 | 764.28 | 2.00 | -2.00 | 0.00 |
| 3,400.00 | 6.22 | 82.51 | 3,289.85 | 101.21 | 770.23 | 776.85 | 2.00 | -2.00 | 0.00 |
| 3,500.00 | 4.22 | 82.51 | 3,389.43 | 102.40 | 779.26 | 785.96 | 2.00 | -2.00 | 0.00 |
| 3,600.00 | 2.22 | 82.51 | 3,489.27 | 103.13 | 784.83 | 791.57 | 2.00 | -2.00 | 0.00 |
| 3,700.00 | 0.22 | 82.51 | 3,589.24 | 103.41 | 786.94 | 793.71 | 2.00 | -2.00 | 0.00 |
| 3,711.08 | 0.00 | 0.00 | 3,600.32 | 103.41 | 786.96 | 793.73 | 2.00 | -2.00 | 0.00 |
| Start 0.00° Hold At 3711.08' | | | | | | | | | |
| 3,800.00 | 0.00 | 0.00 | 3,689.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 0.00 | 0.00 | 3,789.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 0.00 | 0.00 | 3,889.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 0.00 | 0.00 | 3,989.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 0.00 | 0.00 | 4,089.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 0.00 | 0.00 | 4,189.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 0.00 | 0.00 | 4,289.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 0.00 | 0.00 | 4,389.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |

Scientific Drilling International

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM-RexH-Local | Local Co-ordinate Reference: | Well CC 697-16-29B - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8301' & RKB 30' @ 8331.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8301' & RKB 30' @ 8331.00ft (H&P) |
| Site: | Cascade Creek 697-16-28 Pad | North Reference: | True |
| Well: | CC 697-16-29B | 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) |
| 4,600.00 | 0.00 | 0.00 | 4,489.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 0.00 | 0.00 | 4,589.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 0.00 | 0.00 | 4,689.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 0.00 | 0.00 | 4,789.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 0.00 | 0.00 | 4,889.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 0.00 | 0.00 | 4,989.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 0.00 | 0.00 | 5,089.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 0.00 | 0.00 | 5,189.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 0.00 | 0.00 | 5,289.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 0.00 | 0.00 | 5,389.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 0.00 | 0.00 | 5,489.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 0.00 | 0.00 | 5,589.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 0.00 | 0.00 | 5,689.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 5,851.76 | 0.00 | 0.00 | 5,741.00 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| Mesaverde | | | | | | | | | |
| 5,900.00 | 0.00 | 0.00 | 5,789.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 5,951.76 | 0.00 | 0.00 | 5,841.00 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| Williams Fork | | | | | | | | | |
| 6,000.00 | 0.00 | 0.00 | 5,889.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 0.00 | 0.00 | 5,989.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 0.00 | 0.00 | 6,089.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 0.00 | 0.00 | 6,189.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 0.00 | 0.00 | 6,289.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 0.00 | 0.00 | 6,389.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 0.00 | 0.00 | 6,489.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.00 | 0.00 | 6,589.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 6,741.76 | 0.00 | 0.00 | 6,631.00 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| TOG = 627011.03, 1232282.58 | | | | | | | | | |
| 6,800.00 | 0.00 | 0.00 | 6,689.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 0.00 | 0.00 | 6,789.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.00 | 0.00 | 6,889.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 6,989.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 0.00 | 0.00 | 7,089.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.00 | 0.00 | 7,189.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.00 | 0.00 | 7,289.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 0.00 | 0.00 | 7,389.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 0.00 | 0.00 | 7,489.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 0.00 | 0.00 | 7,589.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 0.00 | 0.00 | 7,689.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 0.00 | 0.00 | 7,789.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 7,920.76 | 0.00 | 0.00 | 7,810.00 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| Target = 627011.03, 1232282.58 | | | | | | | | | |
| 8,000.00 | 0.00 | 0.00 | 7,889.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 7,989.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 0.00 | 0.00 | 8,089.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 0.00 | 0.00 | 8,189.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 0.00 | 0.00 | 8,289.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 0.00 | 0.00 | 8,389.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 8,576.76 | 0.00 | 0.00 | 8,466.00 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| Rollins | | | | | | | | | |
| 8,600.00 | 0.00 | 0.00 | 8,489.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 0.00 | 0.00 | 8,589.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 0.00 | 0.00 | 8,689.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |

Scientific Drilling International

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | EDM-RexH-Local | Local Co-ordinate Reference: | Well CC 697-16-29B - Slot O |
| Company: | OXY USA RMat | TVD Reference: | GL 8301' & RKB 30' @ 8331.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8301' & RKB 30' @ 8331.00ft (H&P) |
| Site: | Cascade Creek 697-16-28 Pad | North Reference: | True |
| Well: | CC 697-16-29B | 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) |
| 8,900.00 | 0.00 | 0.00 | 8,789.24 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| 8,976.76 | 0.00 | 0.00 | 8,866.00 | 103.41 | 786.96 | 793.73 | 0.00 | 0.00 | 0.00 |
| PBHL = 627011.03, 1232282.58 | | | | | | | | | |

| 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 697-16-29B Target | 0.00 | 0.00 | 7,810.00 | 103.41 | 786.96 | 627,011.03 | 1,232,282.58 | 39° 31' 24.188 N | 108° 13' 18.709 W |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |

| Formations | | | | | | |
|---------------------|---------------------|---------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 5,851.76 | 5,741.00 | Mesaverde | | 0.00 | | |
| 5,951.76 | 5,841.00 | Williams Fork | | 0.00 | | |
| 8,576.76 | 8,466.00 | Rollins | | 0.00 | | |

| Plan Annotations | | | | |
|---------------------|---------------------|-------------------|------------|--------------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
| | | +N/-S (ft) | +E/-W (ft) | |
| 250.00 | 250.00 | 0.00 | 0.00 | Start Build 2.00 |
| 1,150.00 | 1,135.27 | 18.27 | 139.02 | Start 18.00° Hold At 1150.00' |
| 2,811.08 | 2,715.05 | 85.14 | 647.94 | Start Drop -2.00 |
| 3,711.08 | 3,600.32 | 103.41 | 786.96 | Start 0.00° Hold At 3711.08' |
| 6,741.76 | 6,631.00 | 103.41 | 786.96 | TOG = 627011.03, 1232282.58 |
| 7,920.76 | 7,810.00 | 103.41 | 786.96 | Target = 627011.03, 1232282.58 |
| 8,976.76 | 8,866.00 | 103.41 | 786.96 | PBHL = 627011.03, 1232282.58 |