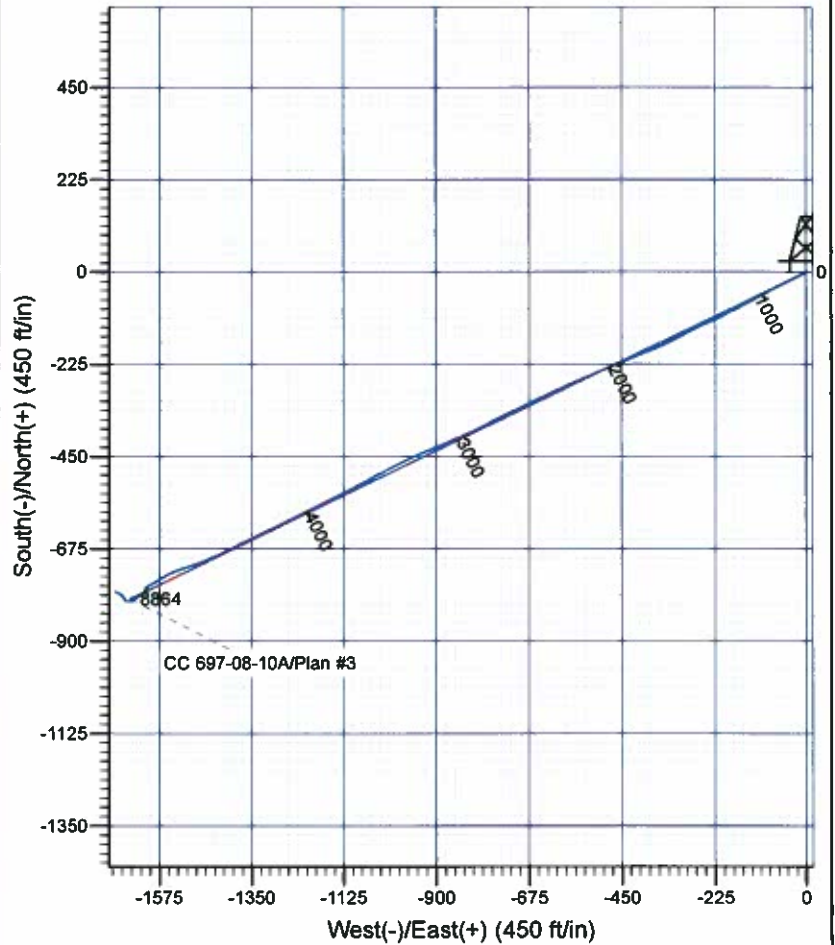
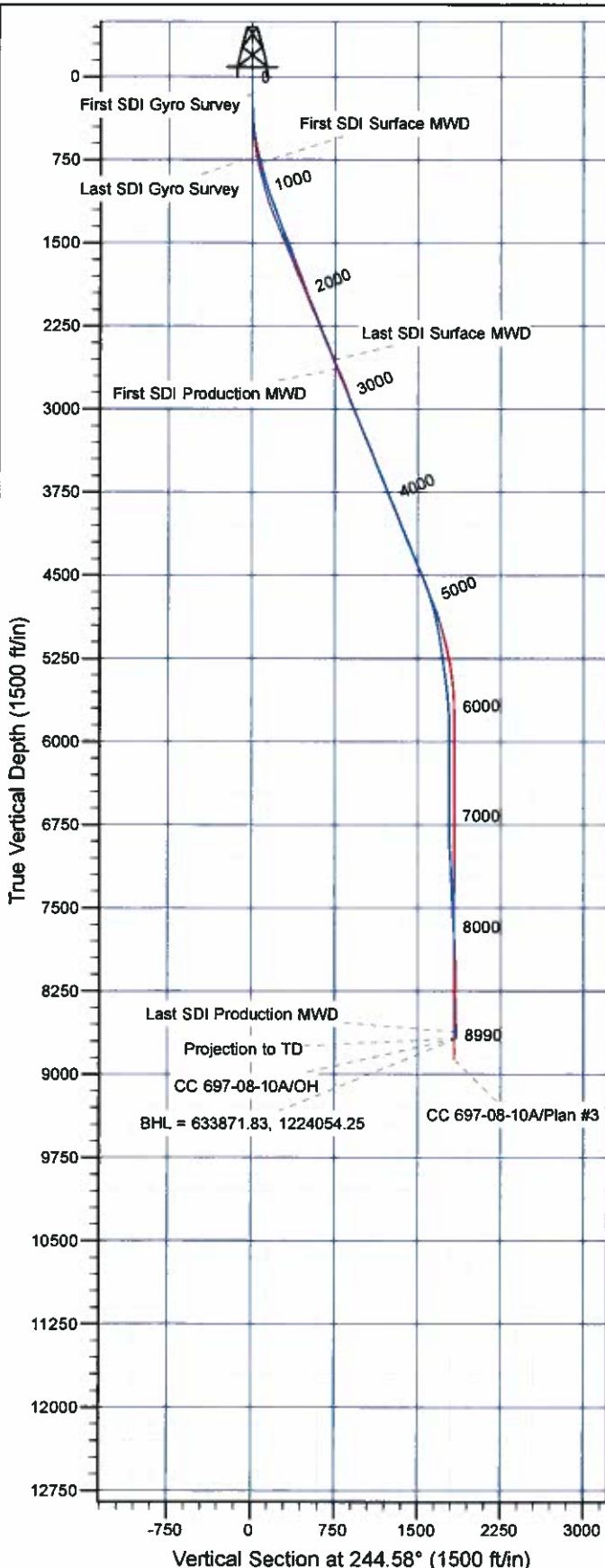




Scientific Drilling

Company: OXY USA RMAT
 Project: Garfield County, CO NAD27
 Site: Cascade Creek 697-08A Pad
 Well: CC 697-08-10A
 Wellbore: OH
 Design: OH



Well Details: CC 697-08-10A

| +N/-S | +E/-W | North | East | Lat | Long | Slot |
|-------|-------|-----------|------------|------------------|-------------------|------|
| 0.00 | 0.00 | 634600.60 | 1225757.55 | 39° 32' 37.226 N | 108° 14' 44.868 W | P |

REFERENCE INFORMATION

Co-ordinate (NE) Reference: Well CC 697-08-10A - Slot P, True North
 Vertical (TVD) Reference: GL 8401' & RKB 30' @ 8431.00ft (H&P Rig)
 Section (VS) Reference: Slot - P(0.00N, 0.00E)
 Measured Depth Reference: GL 8401' & RKB 30' @ 8431.00ft (H&P Rig)
 Calculation Method: Minimum Curvature

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

Plan: OH

15:10, May 16 2012
 Created By: Janie Cooke

OXY USA RMAT

**Garfield County, CO NAD27
Cascade Creek 697-08A Pad
CC 697-08-10A - Slot P**

OH

Design: OH

Standard Survey Report

16 May, 2012

Scientific Drilling International

Survey Report

| | | | |
|------------------|---------------------------|-------------------------------------|--|
| Company: | OXY USA RMAT | Local Co-ordinate Reference: | Well CC 697-08-10A - Slot P |
| Project: | Garfield County, CO NAD27 | TVD Reference: | GL 8401' & RKB 30' @ 8431.00ft (H&P Rig) |
| Site: | Cascade Creek 697-08A Pad | MD Reference: | GL 8401' & RKB 30' @ 8431.00ft (H&P Rig) |
| Well: | CC 697-08-10A | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Rockies Compass Server |

| | | | |
|--------------------|--------------------------------------|----------------------|----------------|
| 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 697-08A Pad, Sec 8 T6S R97W | | | | |
| Site Position: | | Northing: | 635,765.16 usft | Latitude: | 39° 32' 48.728 N |
| From: | Lat/Long | Easting: | 1,225,748.33 usft | Longitude: | 108° 14' 45.434 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13.200 in | Grid Convergence: | -1.73 ° |

| | | | | | | |
|----------------------|--|---------|---------------------|-------------------|---------------|-------------------|
| Well | CC 697-08-10A - Slot P, 365' FNL & 1804' FWL | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 634,600.61 usft | Latitude: | 39° 32' 37.226 N |
| | +E/-W | 0.00 ft | Easting: | 1,225,757.54 usft | Longitude: | 108° 14' 44.868 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | ft | Ground Level: | 8,401.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 12/23/08 | 10.78 | 65.80 | 52,475 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| Design | OH | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 244.58 | |

| | | | | | |
|-----------------------|----------------|---------------------------------|-------------------------|--|--|
| Survey Program | Date | 05/16/12 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 164.00 | 711.00 | Survey #1 - Gyro Survey (OH) | SDI Standard Keeper 103 | SDI Standard Wireline Keeper ver 1.0.3 | |
| 782.00 | 2,683.00 | Survey #2 - Surface MWD (OH) | MWD-SDI | MWD - Standard SCWSA | |
| 2,772.00 | 8,990.00 | Survey #3 - Production MWD (OH) | MWD-SDI | MWD - Standard SCWSA | |

| | | | | | | | | | |
|------------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|----------------------------|
| 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 |
| 164.00 | 0.70 | 176.40 | 164.00 | -1.00 | 0.06 | 0.37 | 0.43 | 0.43 | 0.00 |
| First SDI Gyro Survey | | | | | | | | | |
| 255.00 | 1.06 | 228.78 | 254.99 | -2.11 | -0.54 | 1.39 | 0.92 | 0.40 | 57.56 |
| 347.00 | 3.17 | 256.38 | 346.92 | -3.27 | -3.65 | 4.70 | 2.48 | 2.29 | 30.00 |
| 439.00 | 6.51 | 243.02 | 438.58 | -6.24 | -10.77 | 12.40 | 3.81 | 3.63 | -14.52 |
| 531.00 | 9.24 | 244.51 | 529.71 | -11.78 | -22.09 | 25.01 | 2.98 | 2.97 | 1.62 |
| 620.00 | 11.09 | 242.84 | 617.31 | -18.76 | -36.15 | 40.71 | 2.10 | 2.08 | -1.88 |
| 711.00 | 12.93 | 241.35 | 706.31 | -27.64 | -52.88 | 59.62 | 2.05 | 2.02 | -1.64 |

Scientific Drilling International

Survey Report

| | | | |
|------------------|---------------------------|-------------------------------------|--|
| Company: | OXY USA RMAT | Local Co-ordinate Reference: | Well CC 697-08-10A - Slot P |
| Project: | Garfield County, CO NAD27 | TVD Reference: | GL 8401' & RKB 30' @ 8431.00ft (H&P Rig) |
| Site: | Cascade Creek 697-08A Pad | MD Reference: | GL 8401' & RKB 30' @ 8431.00ft (H&P Rig) |
| Well: | CC 697-08-10A | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Rockies Compass Server |

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) |
|---------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Last SDI Gyro Survey | | | | | | | | | |
| 782.00 | 14.16 | 241.16 | 775.33 | -35.64 | -67.46 | 76.22 | 1.73 | 1.73 | -0.27 |
| First SDI Surface MWD | | | | | | | | | |
| 873.00 | 16.09 | 244.85 | 863.18 | -46.37 | -88.62 | 99.95 | 2.37 | 2.12 | 4.05 |
| 964.00 | 17.32 | 242.04 | 950.34 | -58.08 | -112.00 | 126.09 | 1.62 | 1.35 | -3.09 |
| 1,058.00 | 18.64 | 242.92 | 1,039.75 | -71.48 | -137.74 | 155.09 | 1.43 | 1.40 | 0.94 |
| 1,153.00 | 20.31 | 242.83 | 1,129.31 | -85.92 | -165.93 | 186.74 | 1.76 | 1.76 | -0.09 |
| 1,247.00 | 21.54 | 241.25 | 1,217.11 | -101.67 | -195.57 | 220.28 | 1.44 | 1.31 | -1.68 |
| 1,342.00 | 20.31 | 245.73 | 1,305.85 | -116.84 | -225.89 | 254.18 | 2.12 | -1.29 | 4.72 |
| 1,436.00 | 19.87 | 245.29 | 1,394.13 | -130.22 | -255.28 | 286.46 | 0.49 | -0.47 | -0.47 |
| 1,531.00 | 21.63 | 242.74 | 1,482.96 | -144.99 | -285.51 | 320.11 | 2.08 | 1.85 | -2.68 |
| 1,626.00 | 21.72 | 241.60 | 1,571.25 | -161.37 | -316.54 | 355.16 | 0.45 | 0.09 | -1.20 |
| 1,720.00 | 21.19 | 244.50 | 1,658.73 | -176.96 | -347.17 | 389.52 | 1.26 | -0.56 | 3.09 |
| 1,815.00 | 19.26 | 246.79 | 1,747.87 | -190.53 | -377.07 | 422.35 | 2.20 | -2.03 | 2.41 |
| 1,909.00 | 19.87 | 247.67 | 1,836.45 | -202.71 | -406.10 | 453.79 | 0.72 | 0.65 | 0.94 |
| 2,004.00 | 21.02 | 247.49 | 1,925.46 | -215.36 | -436.77 | 486.93 | 1.21 | 1.21 | -0.19 |
| 2,098.00 | 21.46 | 247.31 | 2,013.08 | -228.45 | -468.21 | 520.95 | 0.47 | 0.47 | -0.19 |
| 2,193.00 | 21.02 | 247.23 | 2,101.62 | -241.75 | -499.96 | 555.32 | 0.46 | -0.46 | -0.08 |
| 2,287.00 | 22.95 | 245.91 | 2,188.78 | -255.75 | -532.23 | 590.49 | 2.12 | 2.05 | -1.40 |
| 2,382.00 | 22.25 | 247.93 | 2,276.49 | -270.07 | -565.81 | 626.96 | 1.10 | -0.74 | 2.13 |
| 2,476.00 | 21.10 | 244.15 | 2,363.84 | -284.14 | -597.53 | 661.65 | 1.92 | -1.22 | -4.02 |
| 2,571.00 | 21.81 | 245.03 | 2,452.26 | -299.04 | -628.92 | 696.40 | 0.82 | 0.75 | 0.93 |
| 2,665.00 | 23.13 | 244.59 | 2,539.12 | -314.34 | -661.43 | 732.32 | 1.42 | 1.40 | -0.47 |
| 2,683.00 | 23.39 | 244.50 | 2,555.66 | -317.39 | -667.85 | 739.43 | 1.46 | 1.44 | -0.50 |
| Last SDI Surface MWD | | | | | | | | | |
| 2,772.00 | 23.41 | 243.67 | 2,637.34 | -332.84 | -699.64 | 774.78 | 0.37 | 0.02 | -0.93 |
| First SDI Production MWD | | | | | | | | | |
| 2,866.00 | 23.29 | 244.25 | 2,723.64 | -349.20 | -733.11 | 812.03 | 0.28 | -0.13 | 0.62 |
| 2,961.00 | 20.94 | 242.38 | 2,811.65 | -365.23 | -765.07 | 847.78 | 2.58 | -2.47 | -1.97 |
| 3,055.00 | 19.00 | 241.74 | 2,899.99 | -380.26 | -793.44 | 879.85 | 2.08 | -2.06 | -0.68 |
| 3,150.00 | 21.79 | 245.65 | 2,989.03 | -394.86 | -823.13 | 912.93 | 3.27 | 2.94 | 4.12 |
| 3,244.00 | 22.48 | 247.01 | 3,076.10 | -409.07 | -855.57 | 948.33 | 0.91 | 0.73 | 1.45 |
| 3,339.00 | 23.37 | 246.84 | 3,163.60 | -423.57 | -889.61 | 985.31 | 0.94 | 0.94 | -0.18 |
| 3,434.00 | 21.47 | 246.77 | 3,251.41 | -437.84 | -922.92 | 1,021.51 | 2.00 | -2.00 | -0.07 |
| 3,528.00 | 22.60 | 245.91 | 3,338.55 | -452.00 | -955.21 | 1,056.76 | 1.25 | 1.20 | -0.91 |
| 3,623.00 | 23.21 | 242.30 | 3,426.06 | -468.15 | -988.45 | 1,093.71 | 1.61 | 0.64 | -3.80 |
| 3,717.00 | 21.10 | 243.18 | 3,513.12 | -484.40 | -1,019.96 | 1,129.14 | 2.27 | -2.24 | 0.94 |
| 3,811.00 | 21.19 | 241.60 | 3,600.79 | -500.12 | -1,050.00 | 1,163.02 | 0.61 | 0.10 | -1.68 |
| 3,906.00 | 23.30 | 242.22 | 3,688.71 | -517.04 | -1,081.73 | 1,198.94 | 2.23 | 2.22 | 0.65 |
| 4,000.00 | 21.90 | 243.10 | 3,775.49 | -533.64 | -1,113.81 | 1,235.05 | 1.53 | -1.49 | 0.94 |
| 4,095.00 | 22.60 | 243.62 | 3,863.42 | -549.76 | -1,145.97 | 1,271.01 | 0.77 | 0.74 | 0.55 |
| 4,189.00 | 22.34 | 243.27 | 3,950.28 | -565.82 | -1,178.10 | 1,306.93 | 0.31 | -0.28 | -0.37 |
| 4,284.00 | 20.66 | 243.97 | 4,038.67 | -581.30 | -1,209.29 | 1,341.74 | 1.79 | -1.77 | 0.74 |
| 4,378.00 | 22.60 | 243.10 | 4,126.04 | -596.75 | -1,240.30 | 1,376.38 | 2.09 | 2.06 | -0.93 |

Scientific Drilling International

Survey Report

| | | | |
|------------------|---------------------------|-------------------------------------|--|
| Company: | OXY USA RMAT | Local Co-ordinate Reference: | Well CC 697-08-10A - Slot P |
| Project: | Garfield County, CO NAD27 | TVD Reference: | GL 8401' & RKB 30' @ 8431.00ft (H&P Rig) |
| Site: | Cascade Creek 697-08A Pad | MD Reference: | GL 8401' & RKB 30' @ 8431.00ft (H&P Rig) |
| Well: | CC 697-08-10A | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Rockies Compass Server |

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) |
|---------------------------------|-----------------|-------------|---------------------|-----------|-----------|-----------------------|-----------------------|----------------------|---------------------|
| 4,472.00 | 24.36 | 244.06 | 4,212.26 | -613.40 | -1,273.85 | 1,413.82 | 1.92 | 1.87 | 1.02 |
| 4,567.00 | 22.16 | 245.20 | 4,299.53 | -629.49 | -1,307.73 | 1,451.34 | 2.36 | -2.32 | 1.20 |
| 4,661.00 | 21.37 | 245.12 | 4,386.83 | -644.13 | -1,339.36 | 1,486.19 | 0.84 | -0.84 | -0.09 |
| 4,756.00 | 24.09 | 242.92 | 4,474.45 | -660.25 | -1,372.34 | 1,522.88 | 3.00 | 2.86 | -2.32 |
| 4,850.00 | 22.51 | 242.92 | 4,560.78 | -677.17 | -1,405.44 | 1,560.05 | 1.68 | -1.68 | 0.00 |
| 4,945.00 | 19.96 | 245.47 | 4,649.32 | -692.18 | -1,438.39 | 1,594.44 | 2.85 | -2.68 | 2.68 |
| 5,040.00 | 16.09 | 247.40 | 4,739.64 | -703.98 | -1,463.30 | 1,623.82 | 4.12 | -4.07 | 2.03 |
| 5,134.00 | 13.72 | 249.69 | 4,830.47 | -712.86 | -1,485.79 | 1,647.93 | 2.60 | -2.52 | 2.44 |
| 5,228.00 | 11.78 | 251.44 | 4,922.15 | -719.78 | -1,505.34 | 1,668.57 | 2.10 | -2.06 | 1.66 |
| 5,323.00 | 10.29 | 254.08 | 5,015.39 | -725.19 | -1,522.69 | 1,686.56 | 1.66 | -1.57 | 2.78 |
| 5,418.00 | 9.41 | 246.26 | 5,109.00 | -730.65 | -1,537.96 | 1,702.70 | 1.68 | -0.93 | -8.23 |
| 5,512.00 | 8.53 | 247.93 | 5,201.85 | -736.36 | -1,551.46 | 1,717.34 | 0.98 | -0.94 | 1.78 |
| 5,607.00 | 8.27 | 235.89 | 5,295.83 | -742.84 | -1,563.64 | 1,731.13 | 1.87 | -0.27 | -12.67 |
| 5,701.00 | 7.83 | 237.47 | 5,388.91 | -750.08 | -1,574.64 | 1,744.16 | 0.52 | -0.47 | 1.68 |
| 5,796.00 | 7.21 | 238.35 | 5,483.09 | -756.68 | -1,585.17 | 1,756.51 | 0.66 | -0.65 | 0.93 |
| 5,891.00 | 6.77 | 242.57 | 5,577.38 | -762.39 | -1,595.22 | 1,768.03 | 0.71 | -0.46 | 4.44 |
| 5,985.00 | 4.13 | 245.64 | 5,670.95 | -766.34 | -1,603.22 | 1,776.96 | 2.82 | -2.81 | 3.27 |
| 6,080.00 | 1.76 | 227.01 | 5,765.82 | -768.75 | -1,607.40 | 1,781.77 | 2.66 | -2.49 | -19.61 |
| 6,174.00 | 1.06 | 201.35 | 5,859.79 | -770.54 | -1,608.78 | 1,783.78 | 0.99 | -0.74 | -27.30 |
| 6,269.00 | 0.97 | 202.84 | 5,954.78 | -772.10 | -1,609.41 | 1,785.02 | 0.10 | -0.09 | 1.57 |
| 6,363.00 | 0.53 | 242.13 | 6,048.77 | -773.04 | -1,610.10 | 1,788.05 | 0.69 | -0.47 | 41.80 |
| 6,458.00 | 0.62 | 338.54 | 6,143.77 | -772.76 | -1,610.68 | 1,786.45 | 0.90 | 0.09 | 101.48 |
| 6,552.00 | 0.79 | 27.59 | 6,237.76 | -771.72 | -1,610.56 | 1,785.90 | 0.64 | 0.18 | 52.18 |
| 6,647.00 | 1.08 | 17.92 | 6,332.75 | -770.30 | -1,609.99 | 1,784.77 | 0.33 | 0.28 | -10.18 |
| 6,742.00 | 0.53 | 121.72 | 6,427.74 | -769.69 | -1,609.34 | 1,783.93 | 1.36 | -0.56 | 109.26 |
| 6,836.00 | 0.88 | 112.49 | 6,521.74 | -770.20 | -1,608.31 | 1,783.21 | 0.39 | 0.37 | -9.82 |
| 6,931.00 | 0.62 | 150.28 | 6,616.73 | -770.92 | -1,607.38 | 1,782.88 | 0.57 | -0.27 | 39.78 |
| 7,025.00 | 0.97 | 90.25 | 6,710.72 | -771.37 | -1,606.33 | 1,781.93 | 0.91 | 0.37 | -63.86 |
| 7,120.00 | 1.58 | 218.94 | 6,805.71 | -772.39 | -1,606.35 | 1,782.38 | 2.44 | 0.64 | 135.46 |
| 7,214.00 | 3.34 | 221.12 | 6,899.62 | -775.46 | -1,608.97 | 1,786.06 | 1.87 | 1.87 | 2.32 |
| 7,309.00 | 3.08 | 222.44 | 6,994.47 | -779.43 | -1,612.51 | 1,790.97 | 0.28 | -0.27 | 1.39 |
| 7,403.00 | 2.90 | 226.75 | 7,088.34 | -782.92 | -1,615.94 | 1,795.57 | 0.31 | -0.19 | 4.59 |
| 7,498.00 | 2.64 | 234.66 | 7,183.23 | -785.84 | -1,619.48 | 1,800.01 | 0.49 | -0.27 | 8.33 |
| 7,593.00 | 2.73 | 235.54 | 7,278.13 | -788.38 | -1,623.13 | 1,804.40 | 0.10 | 0.09 | 0.93 |
| 7,687.00 | 3.17 | 217.87 | 7,372.00 | -791.70 | -1,626.57 | 1,808.93 | 1.07 | 0.47 | -18.80 |
| 7,782.00 | 2.99 | 235.10 | 7,466.87 | -795.19 | -1,630.22 | 1,813.72 | 0.99 | -0.19 | 18.14 |
| 7,876.00 | 3.17 | 234.13 | 7,560.73 | -798.12 | -1,634.33 | 1,818.70 | 0.20 | 0.19 | -1.03 |
| 7,971.00 | 3.17 | 243.36 | 7,655.59 | -800.83 | -1,638.81 | 1,823.91 | 0.54 | 0.00 | 9.72 |
| 8,065.00 | 2.73 | 255.75 | 7,749.46 | -802.55 | -1,643.30 | 1,828.70 | 0.82 | -0.47 | 13.18 |
| 8,147.55 | 3.64 | 261.30 | 7,831.88 | -803.43 | -1,647.80 | 1,833.14 | 1.16 | 1.10 | 6.72 |
| CC 697-08-10A Rev Target | | | | | | | | | |
| 8,160.00 | 3.78 | 261.90 | 7,844.31 | -803.55 | -1,648.59 | 1,833.91 | 1.16 | 1.12 | 4.85 |
| 8,254.00 | 2.90 | 276.85 | 7,938.15 | -803.70 | -1,654.02 | 1,838.88 | 1.31 | -0.94 | 15.90 |

Scientific Drilling International

Survey Report

| | | | |
|------------------|---------------------------|-------------------------------------|--|
| Company: | OXY USA RMAT | Local Co-ordinate Reference: | Well CC 697-08-10A - Slot P |
| Project: | Garfield County, CO NAD27 | TVD Reference: | GL 8401' & RKB 30' @ 8431.00ft (H&P Rig) |
| Site: | Cascade Creek 697-08A Pad | MD Reference: | GL 8401' & RKB 30' @ 8431.00ft (H&P Rig) |
| Well: | CC 697-08-10A | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Rockies Compass Server |

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) |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 8,349.00 | 2.73 | 336.79 | 8,033.05 | -801.34 | -1,657.30 | 1,840.82 | 2.96 | -0.18 | 63.09 |
| 8,444.00 | 2.20 | 339.34 | 8,127.97 | -797.55 | -1,658.84 | 1,840.59 | 0.57 | -0.56 | 2.68 |
| 8,538.00 | 2.64 | 327.91 | 8,221.88 | -794.03 | -1,660.62 | 1,840.69 | 0.69 | 0.47 | -12.16 |
| 8,633.00 | 2.90 | 314.37 | 8,316.77 | -790.49 | -1,663.50 | 1,841.77 | 0.74 | 0.27 | -14.25 |
| 8,727.00 | 3.25 | 306.46 | 8,410.64 | -787.25 | -1,667.35 | 1,843.85 | 0.58 | 0.37 | -8.41 |
| 8,822.00 | 3.25 | 299.61 | 8,505.49 | -784.32 | -1,671.85 | 1,846.66 | 0.41 | 0.00 | -7.21 |
| 8,916.00 | 3.43 | 296.71 | 8,599.33 | -781.74 | -1,676.68 | 1,849.92 | 0.26 | 0.19 | -3.09 |
| 8,935.00 | 3.25 | 295.30 | 8,618.29 | -781.25 | -1,677.68 | 1,850.61 | 1.04 | -0.95 | -7.42 |
| Last SDI Production MWD | | | | | | | | | |
| 8,990.00 | 3.25 | 295.30 | 8,673.21 | -779.92 | -1,680.50 | 1,852.58 | 0.00 | 0.00 | 0.00 |
| Projection to TD - BHL = 633871.83, 1224054.25 | | | | | | | | | |

Design Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
|---------------------|---------------------|-------------------|------------|-----------------------------|
| | | +N/-S (ft) | +E/-W (ft) | |
| 164.00 | 164.00 | -1.00 | 0.06 | First SDI Gyro Survey |
| 711.00 | 706.31 | -27.64 | -52.88 | Last SDI Gyro Survey |
| 782.00 | 775.33 | -35.64 | -67.46 | First SDI Surface MWD |
| 2,683.00 | 2,555.66 | -317.39 | -667.85 | Last SDI Surface MWD |
| 2,772.00 | 2,637.34 | -332.84 | -699.64 | First SDI Production MWD |
| 8,935.00 | 8,618.29 | -781.25 | -1,677.68 | Last SDI Production MWD |
| 8,990.00 | 8,673.21 | -779.92 | -1,680.50 | Projection to TD |
| 8,990.00 | 8,673.21 | -779.92 | -1,680.50 | BHL = 633871.83, 1224054.25 |

Checked By: _____ Approved By: _____ Date: _____