

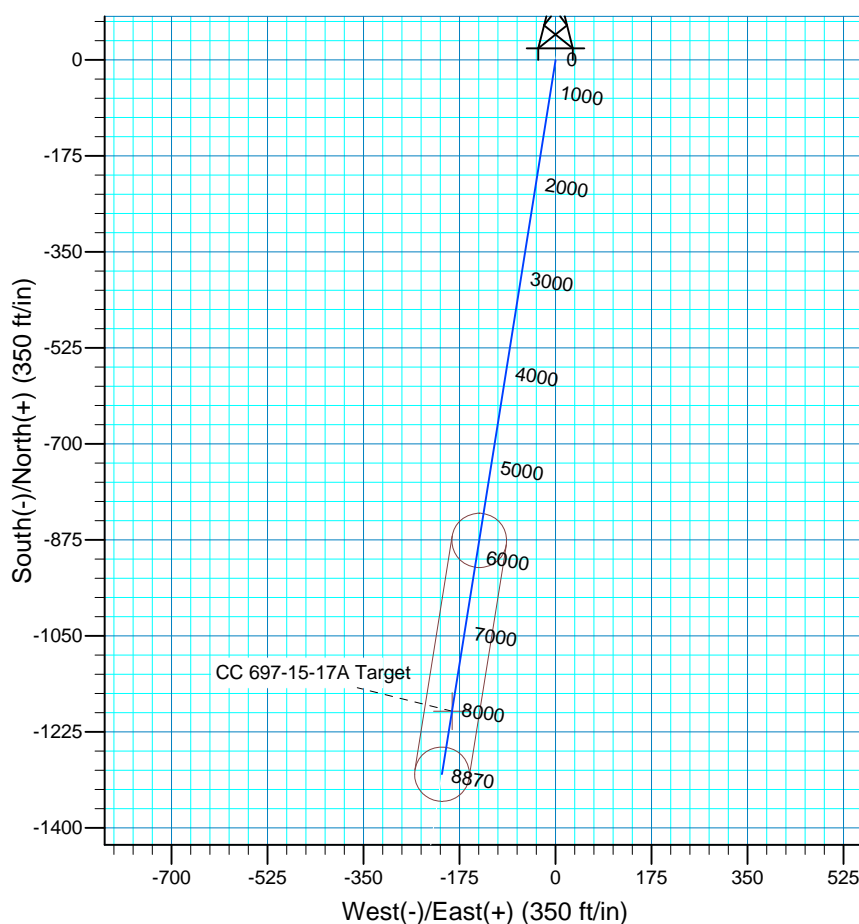
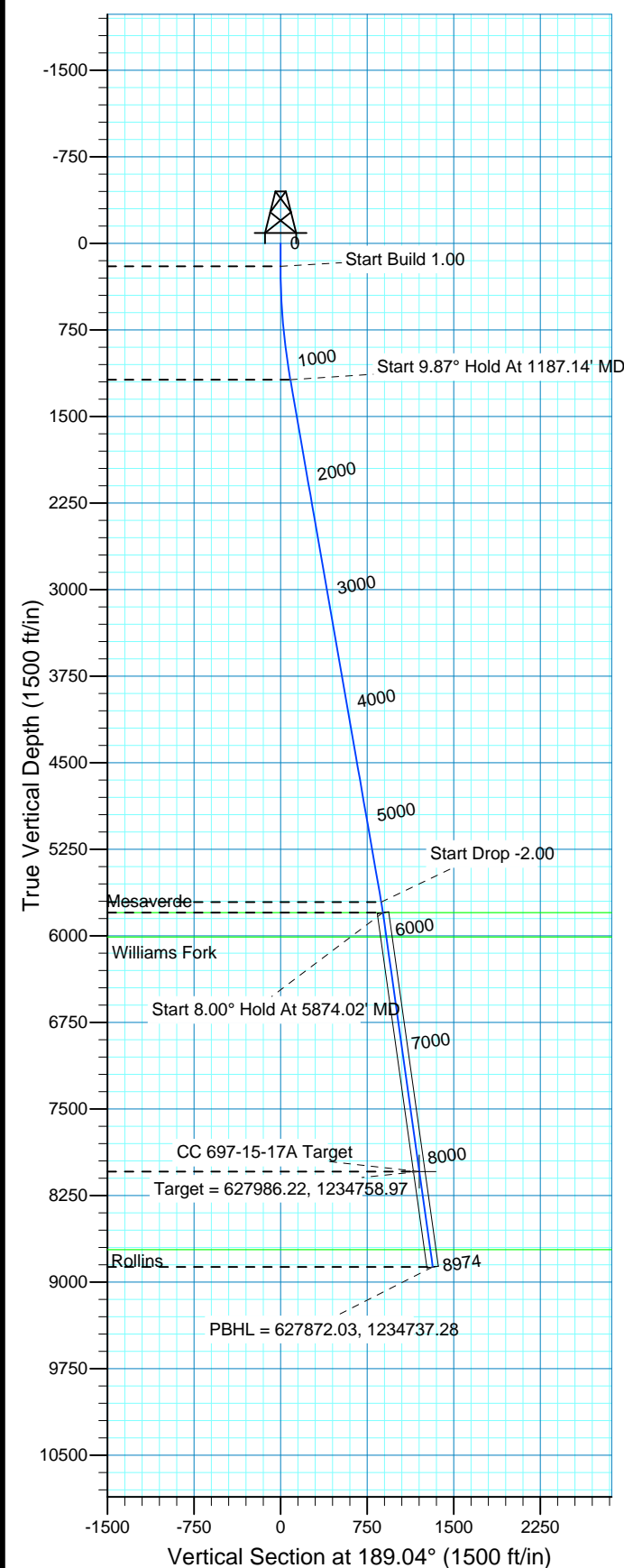
WELL DETAILS: CC 697-15-17A

GL 8348' & RKB 30' @ 8378.00ft 8348.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 629167.16 1234983.28 39° 31' 46.287 N 108° 12' 45.081 W O



Azimuths to True North
Magnetic North: 10.62°

Magnetic Field
Strength: 52394.4snT
Dip Angle: 65.77°
Date: 12/31/2009
Model: IGRF2005-10



FORMATION TOP DETAILS

TVDPathMDPath Formation
5800.005874.02 Mesaverde
6011.006087.09 Williams Fork
8720.008822.72 Rollins

Plan: Plan #1 (CC 697-15-17A/OH)

Created By: Rex Hall Date: 2010-01-28

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
Local North: No north reference data is available

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 | 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1187.14 | 9.87 | 189.04 | 1182.27 | -83.77 | -13.33 | 1.00 | 189.04 | 84.83 | |
| 4 | 5780.45 | 9.87 | 189.04 | 5707.57 | -861.45 | -137.12 | 0.00 | 0.00 | 872.29 | |
| 5 | 5874.02 | 8.00 | 189.04 | 5800.00 | -875.80 | -139.40 | 2.00 | 180.00 | 886.83 | |
| 6 | 8139.06 | 8.00 | 189.04 | 8043.00 | -1187.12 | -188.95 | 0.00 | 0.00 | 1202.06 | CC 697-15-17A Target |
| 7 | 8974.19 | 8.00 | 189.04 | 8870.00 | -1301.90 | -207.22 | 0.00 | 0.00 | 1318.29 | |



OXY USA RMAT

**Garfield County, CO NAD27
Cascade Creek 697-15-01 Pad
CC 697-15-17A - Slot O
OH**

Plan: Plan #1

Standard Planning Report

28 January, 2010



| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| Database: | EDM 2003.16 Multi-User Db | Local Co-ordinate Reference: | Well CC 697-15-17A - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8348' & RKB 30' @ 8378.00ft |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8348' & RKB 30' @ 8378.00ft |
| Site: | Cascade Creek 697-15-01 Pad | North Reference: | True |
| Well: | CC 697-15-17A | 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 697-15-01 Pad, Sec 15 T6S R97W | | | |
| Site Position: | | Northing: | 629,156.96 ft | Latitude: | 39° 31' 46.180 N |
| From: | Map | Easting: | 1,234,961.93 ft | Longitude: | 108° 12' 45.350 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | in | Grid Convergence: | -1.71 ° |

| | | | | | | |
|----------------------|------------------------|---------|---------------------|-----------------|---------------|-------------------|
| Well | CC 697-15-17A - Slot O | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 629,167.16 ft | Latitude: | 39° 31' 46.287 N |
| | +E/-W | 0.00 ft | Easting: | 1,234,983.28 ft | Longitude: | 108° 12' 45.081 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | ft | Ground Level: | 8,348.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2005-10 | 12/31/2009 | 10.62 | 65.77 | 52,394 |

| | | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|--|
| 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 | 189.04 | |

| 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 | |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,187.14 | 9.87 | 189.04 | 1,182.27 | -83.77 | -13.33 | 1.00 | 1.00 | 0.00 | 189.04 | |
| 5,780.45 | 9.87 | 189.04 | 5,707.57 | -861.45 | -137.12 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,874.02 | 8.00 | 189.04 | 5,800.00 | -875.80 | -139.40 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 8,139.06 | 8.00 | 189.04 | 8,043.00 | -1,187.12 | -188.95 | 0.00 | 0.00 | 0.00 | 0.00 | CC 697-15-17A Target |
| 8,974.19 | 8.00 | 189.04 | 8,870.00 | -1,301.90 | -207.22 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| Database: | EDM 2003.16 Multi-User Db | Local Co-ordinate Reference: | Well CC 697-15-17A - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8348' & RKB 30' @ 8378.00ft |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8348' & RKB 30' @ 8378.00ft |
| Site: | Cascade Creek 697-15-01 Pad | North Reference: | True |
| Well: | CC 697-15-17A | 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 |
| Start Build 1.00 | | | | | | | | | |
| 300.00 | 1.00 | 189.04 | 299.99 | -0.86 | -0.14 | 0.87 | 1.00 | 1.00 | 0.00 |
| 400.00 | 2.00 | 189.04 | 399.96 | -3.45 | -0.55 | 3.49 | 1.00 | 1.00 | 0.00 |
| 500.00 | 3.00 | 189.04 | 499.86 | -7.75 | -1.23 | 7.85 | 1.00 | 1.00 | 0.00 |
| 600.00 | 4.00 | 189.04 | 599.68 | -13.78 | -2.19 | 13.96 | 1.00 | 1.00 | 0.00 |
| 700.00 | 5.00 | 189.04 | 699.37 | -21.53 | -3.43 | 21.80 | 1.00 | 1.00 | 0.00 |
| 800.00 | 6.00 | 189.04 | 798.90 | -31.00 | -4.93 | 31.39 | 1.00 | 1.00 | 0.00 |
| 900.00 | 7.00 | 189.04 | 898.26 | -42.18 | -6.71 | 42.71 | 1.00 | 1.00 | 0.00 |
| 1,000.00 | 8.00 | 189.04 | 997.40 | -55.07 | -8.77 | 55.76 | 1.00 | 1.00 | 0.00 |
| 1,100.00 | 9.00 | 189.04 | 1,096.30 | -69.66 | -11.09 | 70.54 | 1.00 | 1.00 | 0.00 |
| 1,187.14 | 9.87 | 189.04 | 1,182.27 | -83.77 | -13.33 | 84.83 | 1.00 | 1.00 | 0.00 |
| Start 9.87° Hold At 1187.14' MD | | | | | | | | | |
| 1,200.00 | 9.87 | 189.04 | 1,194.93 | -85.95 | -13.68 | 87.03 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 9.87 | 189.04 | 1,293.45 | -102.88 | -16.38 | 104.17 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 9.87 | 189.04 | 1,391.97 | -119.81 | -19.07 | 121.32 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 9.87 | 189.04 | 1,490.49 | -136.74 | -21.77 | 138.46 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 9.87 | 189.04 | 1,589.01 | -153.67 | -24.46 | 155.61 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 9.87 | 189.04 | 1,687.53 | -170.60 | -27.15 | 172.75 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 9.87 | 189.04 | 1,786.05 | -187.53 | -29.85 | 189.89 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 9.87 | 189.04 | 1,884.57 | -204.46 | -32.54 | 207.04 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 9.87 | 189.04 | 1,983.09 | -221.39 | -35.24 | 224.18 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 9.87 | 189.04 | 2,081.61 | -238.32 | -37.93 | 241.32 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 9.87 | 189.04 | 2,180.13 | -255.26 | -40.63 | 258.47 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 9.87 | 189.04 | 2,278.65 | -272.19 | -43.32 | 275.61 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 9.87 | 189.04 | 2,377.17 | -289.12 | -46.02 | 292.76 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 9.87 | 189.04 | 2,475.69 | -306.05 | -48.71 | 309.90 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 9.87 | 189.04 | 2,574.21 | -322.98 | -51.41 | 327.04 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 9.87 | 189.04 | 2,672.73 | -339.91 | -54.10 | 344.19 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 9.87 | 189.04 | 2,771.25 | -356.84 | -56.80 | 361.33 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 9.87 | 189.04 | 2,869.76 | -373.77 | -59.49 | 378.48 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 9.87 | 189.04 | 2,968.28 | -390.70 | -62.19 | 395.62 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 9.87 | 189.04 | 3,066.80 | -407.63 | -64.88 | 412.76 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 9.87 | 189.04 | 3,165.32 | -424.56 | -67.58 | 429.91 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 9.87 | 189.04 | 3,263.84 | -441.49 | -70.27 | 447.05 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 9.87 | 189.04 | 3,362.36 | -458.42 | -72.97 | 464.19 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 9.87 | 189.04 | 3,460.88 | -475.35 | -75.66 | 481.34 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 9.87 | 189.04 | 3,559.40 | -492.28 | -78.36 | 498.48 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 9.87 | 189.04 | 3,657.92 | -509.22 | -81.05 | 515.63 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 9.87 | 189.04 | 3,756.44 | -526.15 | -83.75 | 532.77 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 9.87 | 189.04 | 3,854.96 | -543.08 | -86.44 | 549.91 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 9.87 | 189.04 | 3,953.48 | -560.01 | -89.14 | 567.06 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 9.87 | 189.04 | 4,052.00 | -576.94 | -91.83 | 584.20 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 9.87 | 189.04 | 4,150.52 | -593.87 | -94.53 | 601.34 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 9.87 | 189.04 | 4,249.04 | -610.80 | -97.22 | 618.49 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 9.87 | 189.04 | 4,347.56 | -627.73 | -99.92 | 635.63 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 9.87 | 189.04 | 4,446.08 | -644.66 | -102.61 | 652.78 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 9.87 | 189.04 | 4,544.60 | -661.59 | -105.31 | 669.92 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 9.87 | 189.04 | 4,643.12 | -678.52 | -108.00 | 687.06 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 9.87 | 189.04 | 4,741.64 | -695.45 | -110.70 | 704.21 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 9.87 | 189.04 | 4,840.15 | -712.38 | -113.39 | 721.35 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| Database: | EDM 2003.16 Multi-User Db | Local Co-ordinate Reference: | Well CC 697-15-17A - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8348' & RKB 30' @ 8378.00ft |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8348' & RKB 30' @ 8378.00ft |
| Site: | Cascade Creek 697-15-01 Pad | North Reference: | True |
| Well: | CC 697-15-17A | 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 | 9.87 | 189.04 | 4,938.67 | -729.31 | -116.09 | 738.49 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 9.87 | 189.04 | 5,037.19 | -746.24 | -118.78 | 755.64 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 9.87 | 189.04 | 5,135.71 | -763.17 | -121.48 | 772.78 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 9.87 | 189.04 | 5,234.23 | -780.11 | -124.17 | 789.93 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 9.87 | 189.04 | 5,332.75 | -797.04 | -126.86 | 807.07 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 9.87 | 189.04 | 5,431.27 | -813.97 | -129.56 | 824.21 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 9.87 | 189.04 | 5,529.79 | -830.90 | -132.25 | 841.36 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 9.87 | 189.04 | 5,628.31 | -847.83 | -134.95 | 858.50 | 0.00 | 0.00 | 0.00 |
| 5,780.45 | 9.87 | 189.04 | 5,707.57 | -861.45 | -137.12 | 872.29 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 5,800.00 | 9.48 | 189.04 | 5,726.84 | -864.69 | -137.63 | 875.58 | 2.00 | -2.00 | 0.00 |
| 5,874.02 | 8.00 | 189.04 | 5,800.00 | -875.80 | -139.40 | 886.83 | 2.00 | -2.00 | 0.00 |
| Start 8.00° Hold At 5874.02' MD - Mesaverde | | | | | | | | | |
| 5,900.00 | 8.00 | 189.04 | 5,825.73 | -879.37 | -139.97 | 890.44 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 8.00 | 189.04 | 5,924.75 | -893.12 | -142.16 | 904.36 | 0.00 | 0.00 | 0.00 |
| 6,087.09 | 8.00 | 189.04 | 6,011.00 | -905.09 | -144.06 | 916.48 | 0.00 | 0.00 | 0.00 |
| Williams Fork | | | | | | | | | |
| 6,100.00 | 8.00 | 189.04 | 6,023.78 | -906.86 | -144.35 | 918.28 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 8.00 | 189.04 | 6,122.81 | -920.60 | -146.53 | 932.19 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 8.00 | 189.04 | 6,221.83 | -934.35 | -148.72 | 946.11 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 8.00 | 189.04 | 6,320.86 | -948.09 | -150.91 | 960.03 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 8.00 | 189.04 | 6,419.89 | -961.84 | -153.10 | 973.95 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 8.00 | 189.04 | 6,518.91 | -975.58 | -155.28 | 987.86 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 8.00 | 189.04 | 6,617.94 | -989.33 | -157.47 | 1,001.78 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 8.00 | 189.04 | 6,716.97 | -1,003.07 | -159.66 | 1,015.70 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 8.00 | 189.04 | 6,815.99 | -1,016.81 | -161.85 | 1,029.61 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 8.00 | 189.04 | 6,915.02 | -1,030.56 | -164.03 | 1,043.53 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 8.00 | 189.04 | 7,014.05 | -1,044.30 | -166.22 | 1,057.45 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 8.00 | 189.04 | 7,113.08 | -1,058.05 | -168.41 | 1,071.37 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 8.00 | 189.04 | 7,212.10 | -1,071.79 | -170.60 | 1,085.28 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 8.00 | 189.04 | 7,311.13 | -1,085.54 | -172.79 | 1,099.20 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 8.00 | 189.04 | 7,410.16 | -1,099.28 | -174.97 | 1,113.12 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 8.00 | 189.04 | 7,509.18 | -1,113.02 | -177.16 | 1,127.04 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 8.00 | 189.04 | 7,608.21 | -1,126.77 | -179.35 | 1,140.95 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 8.00 | 189.04 | 7,707.24 | -1,140.51 | -181.54 | 1,154.87 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 8.00 | 189.04 | 7,806.26 | -1,154.26 | -183.72 | 1,168.79 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 8.00 | 189.04 | 7,905.29 | -1,168.00 | -185.91 | 1,182.71 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 8.00 | 189.04 | 8,004.32 | -1,181.75 | -188.10 | 1,196.62 | 0.00 | 0.00 | 0.00 |
| 8,139.06 | 8.00 | 189.04 | 8,043.00 | -1,187.12 | -188.95 | 1,202.06 | 0.00 | 0.00 | 0.00 |
| Target = 627986.22, 1234758.97 - CC 697-15-17A Target | | | | | | | | | |
| 8,200.00 | 8.00 | 189.04 | 8,103.34 | -1,195.49 | -190.29 | 1,210.54 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 8.00 | 189.04 | 8,202.37 | -1,209.23 | -192.47 | 1,224.46 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 8.00 | 189.04 | 8,301.40 | -1,222.98 | -194.66 | 1,238.37 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 8.00 | 189.04 | 8,400.42 | -1,236.72 | -196.85 | 1,252.29 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 8.00 | 189.04 | 8,499.45 | -1,250.47 | -199.04 | 1,266.21 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 8.00 | 189.04 | 8,598.48 | -1,264.21 | -201.23 | 1,280.13 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 8.00 | 189.04 | 8,697.50 | -1,277.96 | -203.41 | 1,294.04 | 0.00 | 0.00 | 0.00 |
| 8,822.72 | 8.00 | 189.04 | 8,720.00 | -1,281.08 | -203.91 | 1,297.21 | 0.00 | 0.00 | 0.00 |
| Rollins | | | | | | | | | |
| 8,900.00 | 8.00 | 189.04 | 8,796.53 | -1,291.70 | -205.60 | 1,307.96 | 0.00 | 0.00 | 0.00 |
| 8,974.19 | 8.00 | 189.04 | 8,870.00 | -1,301.90 | -207.22 | 1,318.29 | 0.00 | 0.00 | 0.00 |
| PBHL = 627872.03, 1234737.28 | | | | | | | | | |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| Database: | EDM 2003.16 Multi-User Db | Local Co-ordinate Reference: | Well CC 697-15-17A - Slot O |
| Company: | OXY USA RMAT | TVD Reference: | GL 8348' & RKB 30' @ 8378.00ft |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8348' & RKB 30' @ 8378.00ft |
| Site: | Cascade Creek 697-15-01 Pad | North Reference: | True |
| Well: | CC 697-15-17A | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| Targets | | | | | | | | | |
|---------------------------|-----------|----------|----------|-----------|---------|------------|--------------|------------------|-------------------|
| Target Name | | | | | | | | | |
| - hit/miss target | Dip Angle | Dip Dir. | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| - Shape | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (ft) | | |
| CC 697-15-17A Target | -8.00 | 189.06 | 8,043.00 | -1,187.12 | -188.95 | 627,986.22 | 1,234,758.97 | 39° 31' 34.554 N | 108° 12' 47.492 W |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |

| Formations | | | | | |
|----------------|----------------|---------------|-----------|------|---------------|
| Measured Depth | Vertical Depth | Name | Lithology | Dip | Dip Direction |
| (ft) | (ft) | | | (°) | (°) |
| 5,874.02 | 5,800.00 | Mesaverde | | 0.00 | |
| 6,087.09 | 6,011.00 | Williams Fork | | 0.00 | |
| 8,822.72 | 8,720.00 | Rollins | | 0.00 | |

| Plan Annotations | | | | |
|------------------|----------------|-------------------|------------|---------------------------------|
| Measured Depth | Vertical Depth | Local Coordinates | | Comment |
| (ft) | (ft) | +N/-S (ft) | +E/-W (ft) | |
| 200.00 | 200.00 | 0.00 | 0.00 | Start Build 1.00 |
| 1,187.14 | 1,182.27 | -83.77 | -13.33 | Start 9.87° Hold At 1187.14' MD |
| 5,780.45 | 5,707.57 | -861.45 | -137.12 | Start Drop -2.00 |
| 5,874.02 | 5,800.00 | -875.80 | -139.40 | Start 8.00° Hold At 5874.02' MD |
| 8,139.06 | 8,043.00 | -1,187.12 | -188.95 | Target = 627986.22, 1234758.97 |
| 8,974.19 | 8,870.00 | -1,301.90 | -207.22 | PBHL = 627872.03, 1234737.28 |