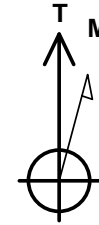


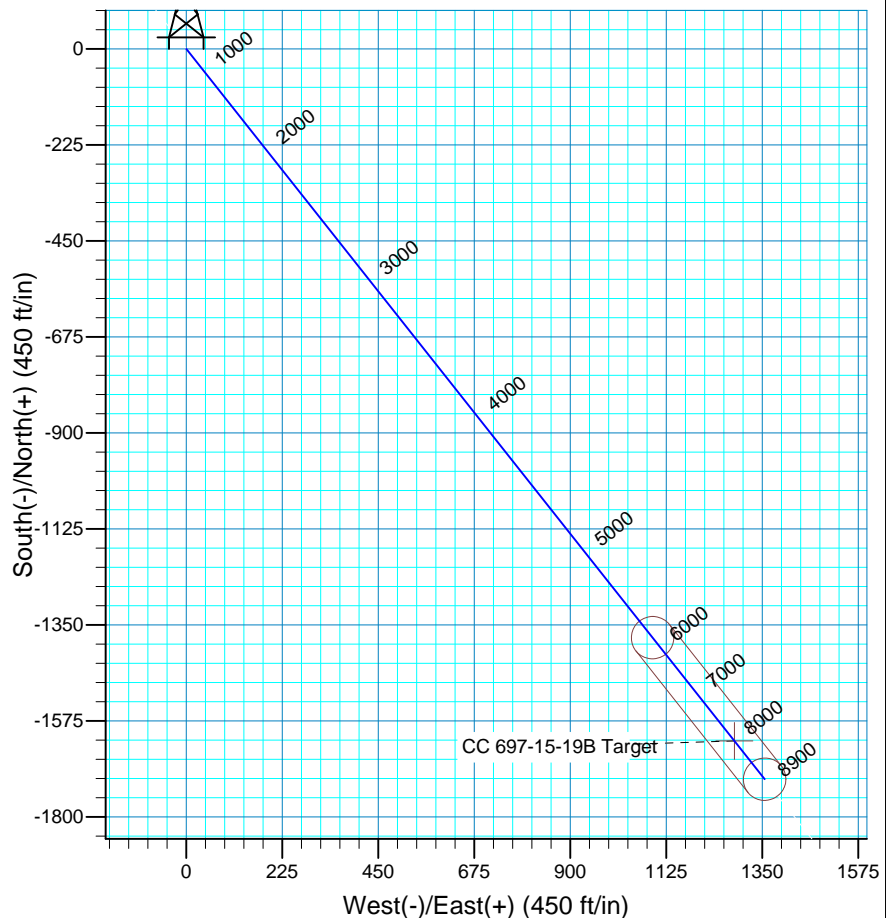
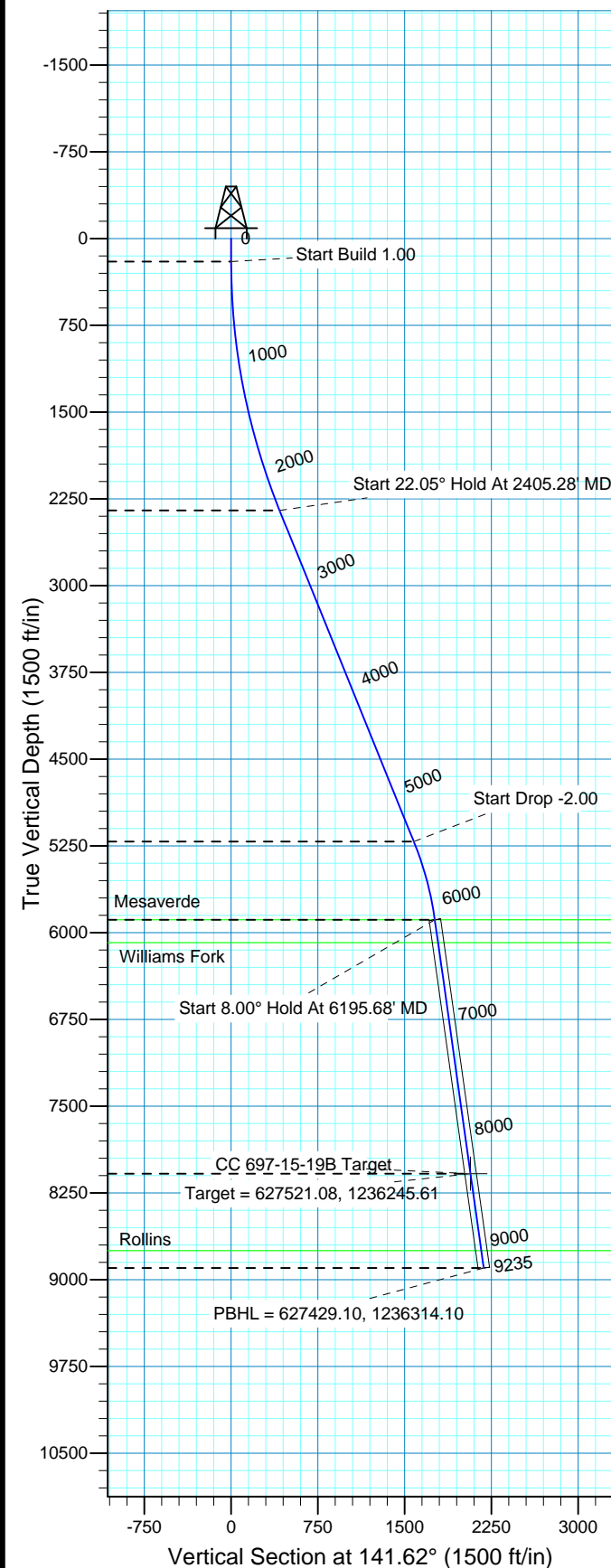
WELL DETAILS: CC 697-15-19B

GL 8348' & RKB 30' @ 8378.00ft 8348.00
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.00 0.00 629180.27 1235010.26 39° 31' 46.425 N 108° 12' 44.742 W M



Azimuths to True North
Magnetic North: 10.62°

Magnetic Field
Strength: 52394.5nT
Dip Angle: 65.77°
Date: 12/31/2009
Model: IGRF2005-10



FORMATION TOP DETAILS

TVDPathMDPath Formation
5890.006195.68 Mesaverde
6088.006395.62 Williams Fork
8750.009083.79 Rollins

Plan: Plan #1 (CC 697-15-19B/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 | 2405.28 | 22.05 | 141.62 | 2351.23 | -328.60 | 260.26 | 1.00 | 141.62 | 419.19 | |
| 4 | 5493.04 | 22.05 | 141.62 | 5213.09 | -1237.41 | 980.07 | 0.00 | 0.00 | 1578.52 | |
| 5 | 6195.68 | 8.00 | 141.62 | 5890.00 | -1379.86 | 1092.89 | 2.00 | 180.00 | 1760.23 | |
| 6 | 8411.24 | 8.00 | 141.62 | 8084.00 | -1621.57 | 1284.34 | 0.00 | 0.00 | 2068.58 | CC 697-15-19B Target |
| 7 | 9235.26 | 8.00 | 141.62 | 8900.00 | -1711.47 | 1355.54 | 0.00 | 0.00 | 2183.26 | |



OXY USA RMAT

**Garfield County, CO NAD27
Cascade Creek 697-15-01 Pad
CC 697-15-19B - Slot M
OH**

Plan: Plan #1

Standard Planning Report

28 January, 2010



| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| Database: | EDM 2003.16 Multi-User Db | Local Co-ordinate Reference: | Well CC 697-15-19B - Slot M |
| 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 697-15-19B | 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 697-15-19B - Slot M | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 629,180.27 ft | Latitude: | 39° 31' 46.425 N |
| | +E/-W | 0.00 ft | Easting: | 1,235,010.26 ft | Longitude: | 108° 12' 44.742 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 | 141.62 |

| 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 | |
| 2,405.28 | 22.05 | 141.62 | 2,351.23 | -328.60 | 260.26 | 1.00 | 1.00 | 0.00 | 141.62 | |
| 5,493.04 | 22.05 | 141.62 | 5,213.09 | -1,237.41 | 980.07 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,195.68 | 8.00 | 141.62 | 5,890.00 | -1,379.86 | 1,092.89 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 8,411.24 | 8.00 | 141.62 | 8,084.00 | -1,621.57 | 1,284.34 | 0.00 | 0.00 | 0.00 | 0.00 | CC 697-15-19B Target |
| 9,235.26 | 8.00 | 141.62 | 8,900.00 | -1,711.47 | 1,355.54 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| Database: | EDM 2003.16 Multi-User Db | Local Co-ordinate Reference: | Well CC 697-15-19B - Slot M |
| 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 697-15-19B | 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 | 141.62 | 299.99 | -0.68 | 0.54 | 0.87 | 1.00 | 1.00 | 0.00 |
| 400.00 | 2.00 | 141.62 | 399.96 | -2.74 | 2.17 | 3.49 | 1.00 | 1.00 | 0.00 |
| 500.00 | 3.00 | 141.62 | 499.86 | -6.16 | 4.88 | 7.85 | 1.00 | 1.00 | 0.00 |
| 600.00 | 4.00 | 141.62 | 599.68 | -10.94 | 8.67 | 13.96 | 1.00 | 1.00 | 0.00 |
| 700.00 | 5.00 | 141.62 | 699.37 | -17.09 | 13.54 | 21.80 | 1.00 | 1.00 | 0.00 |
| 800.00 | 6.00 | 141.62 | 798.90 | -24.60 | 19.49 | 31.39 | 1.00 | 1.00 | 0.00 |
| 900.00 | 7.00 | 141.62 | 898.26 | -33.48 | 26.52 | 42.71 | 1.00 | 1.00 | 0.00 |
| 1,000.00 | 8.00 | 141.62 | 997.40 | -43.71 | 34.62 | 55.76 | 1.00 | 1.00 | 0.00 |
| 1,100.00 | 9.00 | 141.62 | 1,096.30 | -55.30 | 43.80 | 70.54 | 1.00 | 1.00 | 0.00 |
| 1,200.00 | 10.00 | 141.62 | 1,194.93 | -68.24 | 54.04 | 87.05 | 1.00 | 1.00 | 0.00 |
| 1,300.00 | 11.00 | 141.62 | 1,293.26 | -82.52 | 65.36 | 105.27 | 1.00 | 1.00 | 0.00 |
| 1,400.00 | 12.00 | 141.62 | 1,391.25 | -98.15 | 77.74 | 125.21 | 1.00 | 1.00 | 0.00 |
| 1,500.00 | 13.00 | 141.62 | 1,488.87 | -115.12 | 91.18 | 146.85 | 1.00 | 1.00 | 0.00 |
| 1,600.00 | 14.00 | 141.62 | 1,586.11 | -133.42 | 105.67 | 170.19 | 1.00 | 1.00 | 0.00 |
| 1,700.00 | 15.00 | 141.62 | 1,682.92 | -153.04 | 121.21 | 195.23 | 1.00 | 1.00 | 0.00 |
| 1,800.00 | 16.00 | 141.62 | 1,779.29 | -173.99 | 137.81 | 221.95 | 1.00 | 1.00 | 0.00 |
| 1,900.00 | 17.00 | 141.62 | 1,875.17 | -196.25 | 155.44 | 250.36 | 1.00 | 1.00 | 0.00 |
| 2,000.00 | 18.00 | 141.62 | 1,970.54 | -219.83 | 174.11 | 280.43 | 1.00 | 1.00 | 0.00 |
| 2,100.00 | 19.00 | 141.62 | 2,065.37 | -244.70 | 193.81 | 312.16 | 1.00 | 1.00 | 0.00 |
| 2,200.00 | 20.00 | 141.62 | 2,159.63 | -270.87 | 214.54 | 345.54 | 1.00 | 1.00 | 0.00 |
| 2,300.00 | 21.00 | 141.62 | 2,253.30 | -298.32 | 236.28 | 380.56 | 1.00 | 1.00 | 0.00 |
| 2,400.00 | 22.00 | 141.62 | 2,346.34 | -327.05 | 259.03 | 417.21 | 1.00 | 1.00 | 0.00 |
| 2,405.28 | 22.05 | 141.62 | 2,351.23 | -328.60 | 260.26 | 419.19 | 1.00 | 1.00 | 0.00 |
| Start 22.05° Hold At 2405.28' MD | | | | | | | | | |
| 2,500.00 | 22.05 | 141.62 | 2,439.02 | -356.48 | 282.34 | 454.75 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 22.05 | 141.62 | 2,531.71 | -385.91 | 305.66 | 492.30 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 22.05 | 141.62 | 2,624.39 | -415.35 | 328.97 | 529.84 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 22.05 | 141.62 | 2,717.07 | -444.78 | 352.28 | 567.39 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 22.05 | 141.62 | 2,809.76 | -474.21 | 375.59 | 604.93 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 22.05 | 141.62 | 2,902.44 | -503.64 | 398.90 | 642.48 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 22.05 | 141.62 | 2,995.13 | -533.08 | 422.21 | 680.03 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 22.05 | 141.62 | 3,087.81 | -562.51 | 445.53 | 717.57 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 22.05 | 141.62 | 3,180.49 | -591.94 | 468.84 | 755.12 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 22.05 | 141.62 | 3,273.18 | -621.37 | 492.15 | 792.66 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 22.05 | 141.62 | 3,365.86 | -650.81 | 515.46 | 830.21 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 22.05 | 141.62 | 3,458.54 | -680.24 | 538.77 | 867.76 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 22.05 | 141.62 | 3,551.23 | -709.67 | 562.08 | 905.30 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 22.05 | 141.62 | 3,643.91 | -739.10 | 585.40 | 942.85 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 22.05 | 141.62 | 3,736.60 | -768.54 | 608.71 | 980.39 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 22.05 | 141.62 | 3,829.28 | -797.97 | 632.02 | 1,017.94 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 22.05 | 141.62 | 3,921.96 | -827.40 | 655.33 | 1,055.49 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 22.05 | 141.62 | 4,014.65 | -856.83 | 678.64 | 1,093.03 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 22.05 | 141.62 | 4,107.33 | -886.27 | 701.95 | 1,130.58 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 22.05 | 141.62 | 4,200.02 | -915.70 | 725.26 | 1,168.12 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 22.05 | 141.62 | 4,292.70 | -945.13 | 748.58 | 1,205.67 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 22.05 | 141.62 | 4,385.38 | -974.57 | 771.89 | 1,243.22 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 22.05 | 141.62 | 4,478.07 | -1,004.00 | 795.20 | 1,280.76 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 22.05 | 141.62 | 4,570.75 | -1,033.43 | 818.51 | 1,318.31 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 22.05 | 141.62 | 4,663.43 | -1,062.86 | 841.82 | 1,355.85 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| Database: | EDM 2003.16 Multi-User Db | Local Co-ordinate Reference: | Well CC 697-15-19B - Slot M |
| 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 697-15-19B | 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 | 22.05 | 141.62 | 4,756.12 | -1,092.30 | 865.13 | 1,393.40 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 22.05 | 141.62 | 4,848.80 | -1,121.73 | 888.45 | 1,430.95 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 22.05 | 141.62 | 4,941.49 | -1,151.16 | 911.76 | 1,468.49 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 22.05 | 141.62 | 5,034.17 | -1,180.59 | 935.07 | 1,506.04 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 22.05 | 141.62 | 5,126.85 | -1,210.03 | 958.38 | 1,543.59 | 0.00 | 0.00 | 0.00 |
| 5,493.04 | 22.05 | 141.62 | 5,213.09 | -1,237.41 | 980.07 | 1,578.52 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 5,500.00 | 21.91 | 141.62 | 5,219.54 | -1,239.45 | 981.69 | 1,581.12 | 2.00 | -2.00 | 0.00 |
| 5,600.00 | 19.91 | 141.62 | 5,312.95 | -1,267.43 | 1,003.85 | 1,616.82 | 2.00 | -2.00 | 0.00 |
| 5,700.00 | 17.91 | 141.62 | 5,407.54 | -1,292.84 | 1,023.97 | 1,649.23 | 2.00 | -2.00 | 0.00 |
| 5,800.00 | 15.91 | 141.62 | 5,503.21 | -1,315.65 | 1,042.04 | 1,678.32 | 2.00 | -2.00 | 0.00 |
| 5,900.00 | 13.91 | 141.62 | 5,599.84 | -1,335.82 | 1,058.01 | 1,704.06 | 2.00 | -2.00 | 0.00 |
| 6,000.00 | 11.91 | 141.62 | 5,697.31 | -1,353.34 | 1,071.89 | 1,726.40 | 2.00 | -2.00 | 0.00 |
| 6,100.00 | 9.91 | 141.62 | 5,795.49 | -1,368.18 | 1,083.64 | 1,745.34 | 2.00 | -2.00 | 0.00 |
| 6,195.68 | 8.00 | 141.62 | 5,890.00 | -1,379.86 | 1,092.89 | 1,760.23 | 2.00 | -2.00 | 0.00 |
| Start 8.00° Hold At 6195.68' MD - Mesaverde | | | | | | | | | |
| 6,200.00 | 8.00 | 141.62 | 5,894.28 | -1,380.33 | 1,093.26 | 1,760.83 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 8.00 | 141.62 | 5,993.31 | -1,391.24 | 1,101.91 | 1,774.75 | 0.00 | 0.00 | 0.00 |
| 6,395.62 | 8.00 | 141.62 | 6,088.00 | -1,401.67 | 1,110.17 | 1,788.06 | 0.00 | 0.00 | 0.00 |
| Williams Fork | | | | | | | | | |
| 6,400.00 | 8.00 | 141.62 | 6,092.33 | -1,402.15 | 1,110.55 | 1,788.67 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 8.00 | 141.62 | 6,191.36 | -1,413.06 | 1,119.19 | 1,802.58 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 8.00 | 141.62 | 6,290.39 | -1,423.97 | 1,127.83 | 1,816.50 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 8.00 | 141.62 | 6,389.41 | -1,434.88 | 1,136.47 | 1,830.42 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 8.00 | 141.62 | 6,488.44 | -1,445.79 | 1,145.11 | 1,844.34 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 8.00 | 141.62 | 6,587.47 | -1,456.70 | 1,153.75 | 1,858.25 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 8.00 | 141.62 | 6,686.49 | -1,467.61 | 1,162.39 | 1,872.17 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 8.00 | 141.62 | 6,785.52 | -1,478.52 | 1,171.03 | 1,886.09 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 8.00 | 141.62 | 6,884.55 | -1,489.43 | 1,179.67 | 1,900.01 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 8.00 | 141.62 | 6,983.57 | -1,500.34 | 1,188.32 | 1,913.92 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 8.00 | 141.62 | 7,082.60 | -1,511.25 | 1,196.96 | 1,927.84 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 8.00 | 141.62 | 7,181.63 | -1,522.16 | 1,205.60 | 1,941.76 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 8.00 | 141.62 | 7,280.65 | -1,533.07 | 1,214.24 | 1,955.67 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 8.00 | 141.62 | 7,379.68 | -1,543.98 | 1,222.88 | 1,969.59 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 8.00 | 141.62 | 7,478.71 | -1,554.88 | 1,231.52 | 1,983.51 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 8.00 | 141.62 | 7,577.73 | -1,565.79 | 1,240.16 | 1,997.43 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 8.00 | 141.62 | 7,676.76 | -1,576.70 | 1,248.80 | 2,011.34 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 8.00 | 141.62 | 7,775.79 | -1,587.61 | 1,257.44 | 2,025.26 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 8.00 | 141.62 | 7,874.82 | -1,598.52 | 1,266.08 | 2,039.18 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 8.00 | 141.62 | 7,973.84 | -1,609.43 | 1,274.73 | 2,053.10 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 8.00 | 141.62 | 8,072.87 | -1,620.34 | 1,283.37 | 2,067.01 | 0.00 | 0.00 | 0.00 |
| 8,411.24 | 8.00 | 141.62 | 8,084.00 | -1,621.57 | 1,284.34 | 2,068.58 | 0.00 | 0.00 | 0.00 |
| Target = 627521.08, 1236245.61 - CC 697-15-19B Target | | | | | | | | | |
| 8,500.00 | 8.00 | 141.62 | 8,171.90 | -1,631.25 | 1,292.01 | 2,080.93 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 8.00 | 141.62 | 8,270.92 | -1,642.16 | 1,300.65 | 2,094.85 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 8.00 | 141.62 | 8,369.95 | -1,653.07 | 1,309.29 | 2,108.77 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 8.00 | 141.62 | 8,468.98 | -1,663.98 | 1,317.93 | 2,122.68 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 8.00 | 141.62 | 8,568.00 | -1,674.89 | 1,326.57 | 2,136.60 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 8.00 | 141.62 | 8,667.03 | -1,685.80 | 1,335.21 | 2,150.52 | 0.00 | 0.00 | 0.00 |
| 9,083.79 | 8.00 | 141.62 | 8,750.00 | -1,694.94 | 1,342.45 | 2,162.18 | 0.00 | 0.00 | 0.00 |
| Rollins | | | | | | | | | |
| 9,100.00 | 8.00 | 141.62 | 8,766.06 | -1,696.71 | 1,343.85 | 2,164.43 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 8.00 | 141.62 | 8,865.08 | -1,707.62 | 1,352.49 | 2,178.35 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| Database: | EDM 2003.16 Multi-User Db | Local Co-ordinate Reference: | Well CC 697-15-19B - Slot M |
| 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 697-15-19B | 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) |
| 9,235.26 | 8.00 | 141.62 | 8,900.00 | -1,711.47 | 1,355.54 | 2,183.26 | 0.00 | 0.00 | 0.00 |
| PBHL = 627429.10, 1236314.10 | | | | | | | | | |

| Targets | | | | | | | | | |
|---------------------------|---------------|--------------|----------|------------|------------|---------------|--------------|------------------|-------------------|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| CC 697-15-19B Target | -8.00 | 141.62 | 8,084.00 | -1,621.57 | 1,284.34 | 627,521.08 | 1,236,245.61 | 39° 31' 30.397 N | 108° 12' 28.351 W |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |

| Formations | | | | | | |
|---------------------|---------------------|---------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 6,195.68 | 5,890.00 | Mesaverde | | 0.00 | | |
| 6,395.62 | 6,088.00 | Williams Fork | | 0.00 | | |
| 9,083.79 | 8,750.00 | Rollins | | 0.00 | | |

| Plan Annotations | | | | |
|---------------------|---------------------|-------------------|------------|----------------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
| | | +N/-S (ft) | +E/-W (ft) | |
| 200.00 | 200.00 | 0.00 | 0.00 | Start Build 1.00 |
| 2,405.28 | 2,351.23 | -328.60 | 260.26 | Start 22.05° Hold At 2405.28' MD |
| 5,493.04 | 5,213.09 | -1,237.41 | 980.07 | Start Drop -2.00 |
| 6,195.68 | 5,890.00 | -1,379.86 | 1,092.89 | Start 8.00° Hold At 6195.68' MD |
| 8,411.24 | 8,084.00 | -1,621.57 | 1,284.34 | Target = 627521.08, 1236245.61 |
| 9,235.26 | 8,900.00 | -1,711.47 | 1,355.54 | PBHL = 627429.10, 1236314.10 |