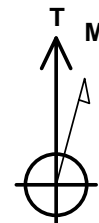


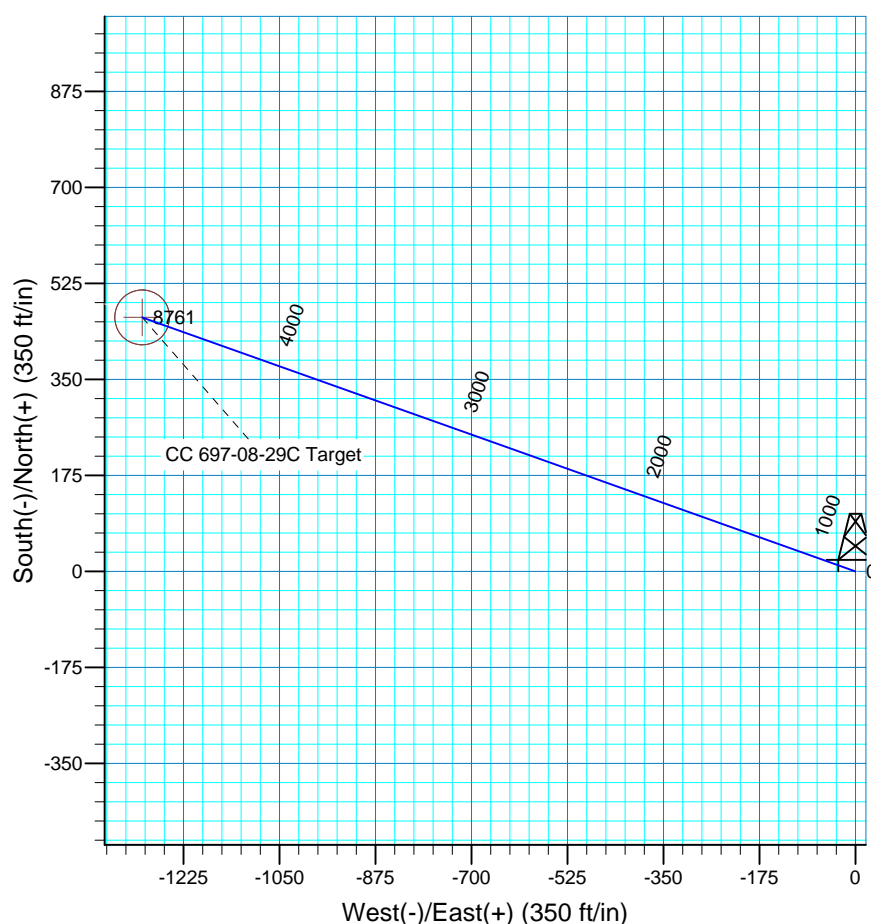
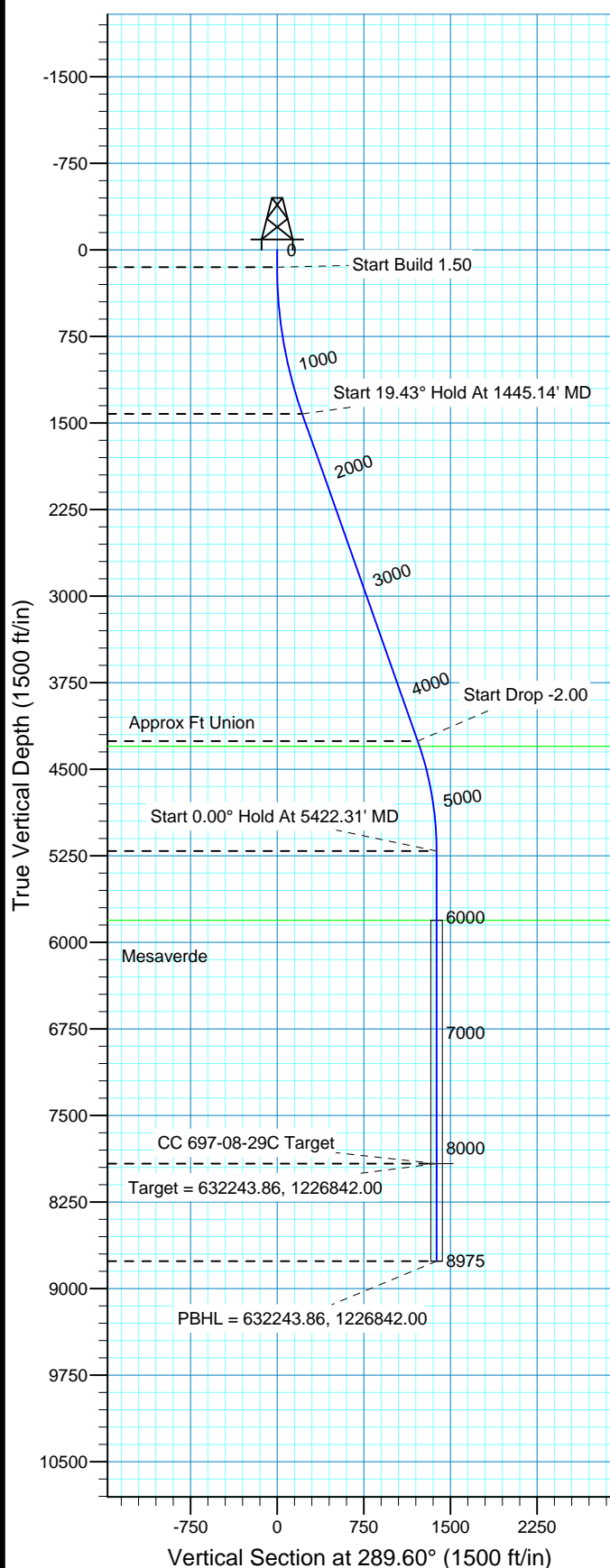
WELL DETAILS: Cascade Creek 697-08-29C

| +N/-S | +E/-W | GL 8425' & RKB 30' @ 8455.00ft | 8425.00 | Latitude | Longitude | Slot |
|-------|-------|--------------------------------|------------|-----------------|-------------------|------|
| 0.00 | 0.00 | Northing | Easting | 39° 32' 9.692 N | 108° 14' 13.525 W | |
| | | 631741.89 | 1228127.82 | | | |



Azimuths to True North
Magnetic North: 10.63°

Magnetic Field
Strength: 52394.1snT
Dip Angle: 65.77°
Date: 2009/12/31
Model: IGRF2005-10



FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|-----------------|
| 4300.00 | 4498.38 | Approx Ft Union |
| 5808.00 | 6022.31 | Mesaverde |

Plan: Plan #1 (Cascade Creek 697-08-29C/OH)

Created By: Rex Hall Date: 2010-06-15

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 | 150.00 | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1445.14 | 19.43 | 289.60 | 1420.46 | 72.95 | -204.87 | 1.50 | 289.60 | 217.47 | |
| 4 | 4450.96 | 19.43 | 289.60 | 4255.15 | 408.29 | -1146.71 | 0.00 | 0.00 | 1217.23 | |
| 5 | 5422.31 | 0.00 | 0.00 | 5208.00 | 463.00 | -1300.37 | 2.00 | 180.00 | 1380.33 | |
| 6 | 8131.31 | 0.00 | 0.00 | 7917.00 | 463.00 | -1300.37 | 0.00 | 0.00 | 1380.33 | CC 697-08-29C Target |
| 7 | 8975.31 | 0.00 | 0.00 | 8761.00 | 463.00 | -1300.37 | 0.00 | 0.00 | 1380.33 | |



OXY USA RMAT

**Garfield County, CO NAD27
Cascade Creek 608-43-31 Pad
Cascade Creek 697-08-29C
OH**

Plan: Plan #1

Standard Planning Report

15 June, 2010



| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| Database: | EDM 2003.16 Multi-User Db | Local Co-ordinate Reference: | Well Cascade Creek 697-08-29C |
| Company: | OXY USA RMAT | TVD Reference: | GL 8425' & RKB 30' @ 8455.00ft |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8425' & RKB 30' @ 8455.00ft |
| Site: | Cascade Creek 608-43-31 Pad | North Reference: | True |
| Well: | Cascade Creek 697-08-29C | 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 608-43-31 Pad, Sec 8 T6S R97W | | | |
| Site Position: | | Northing: | 39.54 ft | Latitude: | 37° 37' 28.115 N |
| From: | Map | Easting: | -108.24 ft | Longitude: | 112° 24' 37.715 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | in | Grid Convergence: | -4.36 ° |

| Well | Cascade Creek 697-08-29C | | | | | |
|----------------------|--------------------------|---------|---------------------|-----------------|---------------|-------------------|
| Well Position | +N/-S | 0.00 ft | Northing: | 631,741.89 ft | Latitude: | 39° 32' 9.692 N |
| | +E/-W | 0.00 ft | Easting: | 1,228,127.82 ft | Longitude: | 108° 14' 13.525 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | ft | Ground Level: | 8,425.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination | Dip Angle | Field Strength |
| | | | (°) | (°) | (nT) |
| | IGRF2005-10 | 2009/12/31 | 10.63 | 65.78 | 52,394 |

| | | | | |
|--------------------------|-------------------------|--------------|----------------------|------------------|
| Design | Plan #1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) | +N/-S | +E/-W | Direction |
| | (ft) | (ft) | (ft) | (°) |
| | 0.00 | 0.00 | 0.00 | 289.60 |

| 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 | |
| 150.00 | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,445.14 | 19.43 | 289.60 | 1,420.46 | 72.95 | -204.87 | 1.50 | 1.50 | 0.00 | 289.60 | |
| 4,450.96 | 19.43 | 289.60 | 4,255.15 | 408.29 | -1,146.71 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,422.31 | 0.00 | 0.00 | 5,208.00 | 463.00 | -1,300.37 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 8,131.31 | 0.00 | 0.00 | 7,917.00 | 463.00 | -1,300.37 | 0.00 | 0.00 | 0.00 | 0.00 | CC 697-08-29C Targe |
| 8,975.31 | 0.00 | 0.00 | 8,761.00 | 463.00 | -1,300.37 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| Database: | EDM 2003.16 Multi-User Db | Local Co-ordinate Reference: | Well Cascade Creek 697-08-29C |
| Company: | OXY USA RMAT | TVD Reference: | GL 8425' & RKB 30' @ 8455.00ft |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8425' & RKB 30' @ 8455.00ft |
| Site: | Cascade Creek 608-43-31 Pad | North Reference: | True |
| Well: | Cascade Creek 697-08-29C | 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 |
| 150.00 | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start Build 1.50 | | | | | | | | | |
| 200.00 | 0.75 | 289.60 | 200.00 | 0.11 | -0.31 | 0.33 | 1.50 | 1.50 | 0.00 |
| 300.00 | 2.25 | 289.60 | 299.96 | 0.99 | -2.77 | 2.94 | 1.50 | 1.50 | 0.00 |
| 400.00 | 3.75 | 289.60 | 399.82 | 2.74 | -7.70 | 8.18 | 1.50 | 1.50 | 0.00 |
| 500.00 | 5.25 | 289.60 | 499.51 | 5.37 | -15.10 | 16.02 | 1.50 | 1.50 | 0.00 |
| 600.00 | 6.75 | 289.60 | 598.96 | 8.88 | -24.94 | 26.48 | 1.50 | 1.50 | 0.00 |
| 700.00 | 8.25 | 289.60 | 698.10 | 13.26 | -37.24 | 39.53 | 1.50 | 1.50 | 0.00 |
| 800.00 | 9.75 | 289.60 | 796.87 | 18.51 | -51.98 | 55.17 | 1.50 | 1.50 | 0.00 |
| 900.00 | 11.25 | 289.60 | 895.19 | 24.62 | -69.14 | 73.39 | 1.50 | 1.50 | 0.00 |
| 1,000.00 | 12.75 | 289.60 | 993.00 | 31.59 | -88.73 | 94.19 | 1.50 | 1.50 | 0.00 |
| 1,100.00 | 14.25 | 289.60 | 1,090.24 | 39.42 | -110.72 | 117.53 | 1.50 | 1.50 | 0.00 |
| 1,200.00 | 15.75 | 289.60 | 1,186.83 | 48.10 | -135.10 | 143.41 | 1.50 | 1.50 | 0.00 |
| 1,300.00 | 17.25 | 289.60 | 1,282.71 | 57.63 | -161.86 | 171.81 | 1.50 | 1.50 | 0.00 |
| 1,400.00 | 18.75 | 289.60 | 1,377.81 | 68.00 | -190.97 | 202.71 | 1.50 | 1.50 | 0.00 |
| 1,445.14 | 19.43 | 289.60 | 1,420.46 | 72.95 | -204.87 | 217.47 | 1.50 | 1.50 | 0.00 |
| Start 19.43° Hold At 1445.14' MD | | | | | | | | | |
| 1,500.00 | 19.43 | 289.60 | 1,472.20 | 79.07 | -222.06 | 235.72 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 19.43 | 289.60 | 1,566.51 | 90.22 | -253.40 | 268.98 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 19.43 | 289.60 | 1,660.82 | 101.38 | -284.73 | 302.24 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 19.43 | 289.60 | 1,755.12 | 112.54 | -316.07 | 335.50 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 19.43 | 289.60 | 1,849.43 | 123.69 | -347.40 | 368.76 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 19.43 | 289.60 | 1,943.74 | 134.85 | -378.73 | 402.02 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 19.43 | 289.60 | 2,038.04 | 146.01 | -410.07 | 435.28 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 19.43 | 289.60 | 2,132.35 | 157.16 | -441.40 | 468.55 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 19.43 | 289.60 | 2,226.66 | 168.32 | -472.73 | 501.81 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 19.43 | 289.60 | 2,320.96 | 179.48 | -504.07 | 535.07 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 19.43 | 289.60 | 2,415.27 | 190.63 | -535.40 | 568.33 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 19.43 | 289.60 | 2,509.58 | 201.79 | -566.74 | 601.59 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 19.43 | 289.60 | 2,603.88 | 212.95 | -598.07 | 634.85 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 19.43 | 289.60 | 2,698.19 | 224.10 | -629.40 | 668.11 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 19.43 | 289.60 | 2,792.49 | 235.26 | -660.74 | 701.37 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 19.43 | 289.60 | 2,886.80 | 246.41 | -692.07 | 734.63 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 19.43 | 289.60 | 2,981.11 | 257.57 | -723.40 | 767.89 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 19.43 | 289.60 | 3,075.41 | 268.73 | -754.74 | 801.15 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 19.43 | 289.60 | 3,169.72 | 279.88 | -786.07 | 834.41 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 19.43 | 289.60 | 3,264.03 | 291.04 | -817.40 | 867.67 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 19.43 | 289.60 | 3,358.33 | 302.20 | -848.74 | 900.93 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 19.43 | 289.60 | 3,452.64 | 313.35 | -880.07 | 934.19 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 19.43 | 289.60 | 3,546.95 | 324.51 | -911.41 | 967.45 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 19.43 | 289.60 | 3,641.25 | 335.67 | -942.74 | 1,000.71 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 19.43 | 289.60 | 3,735.56 | 346.82 | -974.07 | 1,033.98 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 19.43 | 289.60 | 3,829.87 | 357.98 | -1,005.41 | 1,067.24 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 19.43 | 289.60 | 3,924.17 | 369.14 | -1,036.74 | 1,100.50 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 19.43 | 289.60 | 4,018.48 | 380.29 | -1,068.07 | 1,133.76 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 19.43 | 289.60 | 4,112.79 | 391.45 | -1,099.41 | 1,167.02 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 19.43 | 289.60 | 4,207.09 | 402.61 | -1,130.74 | 1,200.28 | 0.00 | 0.00 | 0.00 |
| 4,450.96 | 19.43 | 289.60 | 4,255.15 | 408.29 | -1,146.71 | 1,217.23 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 4,498.38 | 18.48 | 289.60 | 4,300.00 | 413.46 | -1,161.22 | 1,232.63 | 2.00 | -2.00 | 0.00 |
| Approx Ft Union | | | | | | | | | |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| Database: | EDM 2003.16 Multi-User Db | Local Co-ordinate Reference: | Well Cascade Creek 697-08-29C |
| Company: | OXY USA RMAT | TVD Reference: | GL 8425' & RKB 30' @ 8455.00ft |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8425' & RKB 30' @ 8455.00ft |
| Site: | Cascade Creek 608-43-31 Pad | North Reference: | True |
| Well: | Cascade Creek 697-08-29C | 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) |
| 4,500.00 | 18.45 | 289.60 | 4,301.54 | 413.63 | -1,161.70 | 1,233.14 | 2.00 | -2.00 | 0.00 |
| 4,600.00 | 16.45 | 289.60 | 4,396.93 | 423.69 | -1,189.94 | 1,263.12 | 2.00 | -2.00 | 0.00 |
| 4,700.00 | 14.45 | 289.60 | 4,493.32 | 432.62 | -1,215.03 | 1,289.75 | 2.00 | -2.00 | 0.00 |
| 4,800.00 | 12.45 | 289.60 | 4,590.57 | 440.42 | -1,236.94 | 1,313.01 | 2.00 | -2.00 | 0.00 |
| 4,900.00 | 10.45 | 289.60 | 4,688.58 | 447.07 | -1,255.63 | 1,332.85 | 2.00 | -2.00 | 0.00 |
| 5,000.00 | 8.45 | 289.60 | 4,787.21 | 452.58 | -1,271.09 | 1,349.26 | 2.00 | -2.00 | 0.00 |
| 5,100.00 | 6.45 | 289.60 | 4,886.37 | 456.93 | -1,283.30 | 1,362.22 | 2.00 | -2.00 | 0.00 |
| 5,200.00 | 4.45 | 289.60 | 4,985.91 | 460.11 | -1,292.24 | 1,371.71 | 2.00 | -2.00 | 0.00 |
| 5,300.00 | 2.45 | 289.60 | 5,085.72 | 462.12 | -1,297.91 | 1,377.72 | 2.00 | -2.00 | 0.00 |
| 5,400.00 | 0.45 | 289.60 | 5,185.69 | 462.97 | -1,300.28 | 1,380.25 | 2.00 | -2.00 | 0.00 |
| 5,422.31 | 0.00 | 0.00 | 5,208.00 | 463.00 | -1,300.37 | 1,380.33 | 2.00 | -2.00 | 0.00 |
| Start 0.00° Hold At 5422.31' MD | | | | | | | | | |
| 5,500.00 | 0.00 | 0.00 | 5,285.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 0.00 | 0.00 | 5,385.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 0.00 | 0.00 | 5,485.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 0.00 | 0.00 | 5,585.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 0.00 | 0.00 | 5,685.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 0.00 | 0.00 | 5,785.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 6,022.31 | 0.00 | 0.00 | 5,808.00 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| Mesaverde | | | | | | | | | |
| 6,100.00 | 0.00 | 0.00 | 5,885.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 0.00 | 0.00 | 5,985.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 0.00 | 0.00 | 6,085.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 0.00 | 0.00 | 6,185.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 0.00 | 0.00 | 6,285.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 0.00 | 0.00 | 6,385.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.00 | 0.00 | 6,485.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 0.00 | 0.00 | 6,585.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 0.00 | 0.00 | 6,685.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.00 | 0.00 | 6,785.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 6,885.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 0.00 | 0.00 | 6,985.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.00 | 0.00 | 7,085.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.00 | 0.00 | 7,185.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 0.00 | 0.00 | 7,285.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 0.00 | 0.00 | 7,385.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 0.00 | 0.00 | 7,485.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 0.00 | 0.00 | 7,585.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 0.00 | 0.00 | 7,685.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 0.00 | 0.00 | 7,785.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 7,885.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 8,131.31 | 0.00 | 0.00 | 7,917.00 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| Target = 632243.86, 1226842.00 - CC 697-08-29C Target | | | | | | | | | |
| 8,200.00 | 0.00 | 0.00 | 7,985.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 0.00 | 0.00 | 8,085.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 0.00 | 0.00 | 8,185.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 0.00 | 0.00 | 8,285.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 0.00 | 0.00 | 8,385.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 0.00 | 0.00 | 8,485.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 0.00 | 0.00 | 8,585.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 0.00 | 0.00 | 8,685.69 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| 8,975.31 | 0.00 | 0.00 | 8,761.00 | 463.00 | -1,300.37 | 1,380.33 | 0.00 | 0.00 | 0.00 |
| PBHL = 632243.86, 1226842.00 | | | | | | | | | |

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| Database: | EDM 2003.16 Multi-User Db | Local Co-ordinate Reference: | Well Cascade Creek 697-08-29C |
| Company: | OXY USA RMAT | TVD Reference: | GL 8425' & RKB 30' @ 8455.00ft |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 8425' & RKB 30' @ 8455.00ft |
| Site: | Cascade Creek 608-43-31 Pad | North Reference: | True |
| Well: | Cascade Creek 697-08-29C | 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) |

| 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 697-08-29C Target | 0.00 | 0.00 | 7,917.00 | 463.00 | -1,300.37 | 632,243.86 | 1,226,842.00 | 39° 32' 14.267 N | 108° 14' 30.123 W |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |

| Formations | | | | | | |
|---------------------|---------------------|-----------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 4,498.38 | 4,300.00 | Approx Ft Union | | 0.00 | | |
| 6,022.31 | 5,808.00 | Mesaverde | | 0.00 | | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|----------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 150.00 | 150.00 | 0.00 | 0.00 | Start Build 1.50 | |
| 1,445.14 | 1,420.46 | 72.95 | -204.87 | Start 19.43° Hold At 1445.14' MD | |
| 4,450.96 | 4,255.15 | 408.29 | -1,146.71 | Start Drop -2.00 | |
| 5,422.31 | 5,208.00 | 463.00 | -1,300.37 | Start 0.00° Hold At 5422.31' MD | |
| 8,131.31 | 7,917.00 | 463.00 | -1,300.37 | Target = 632243.86, 1226842.00 | |
| 8,975.31 | 8,761.00 | 463.00 | -1,300.37 | PBHL = 632243.86, 1226842.00 | |