



Scientific Drilling
Rocky Mountain Operations

Company: OXY USA RMAT
Project: Garfield County, CO NAD27
Site: Shell 797-03A Pad



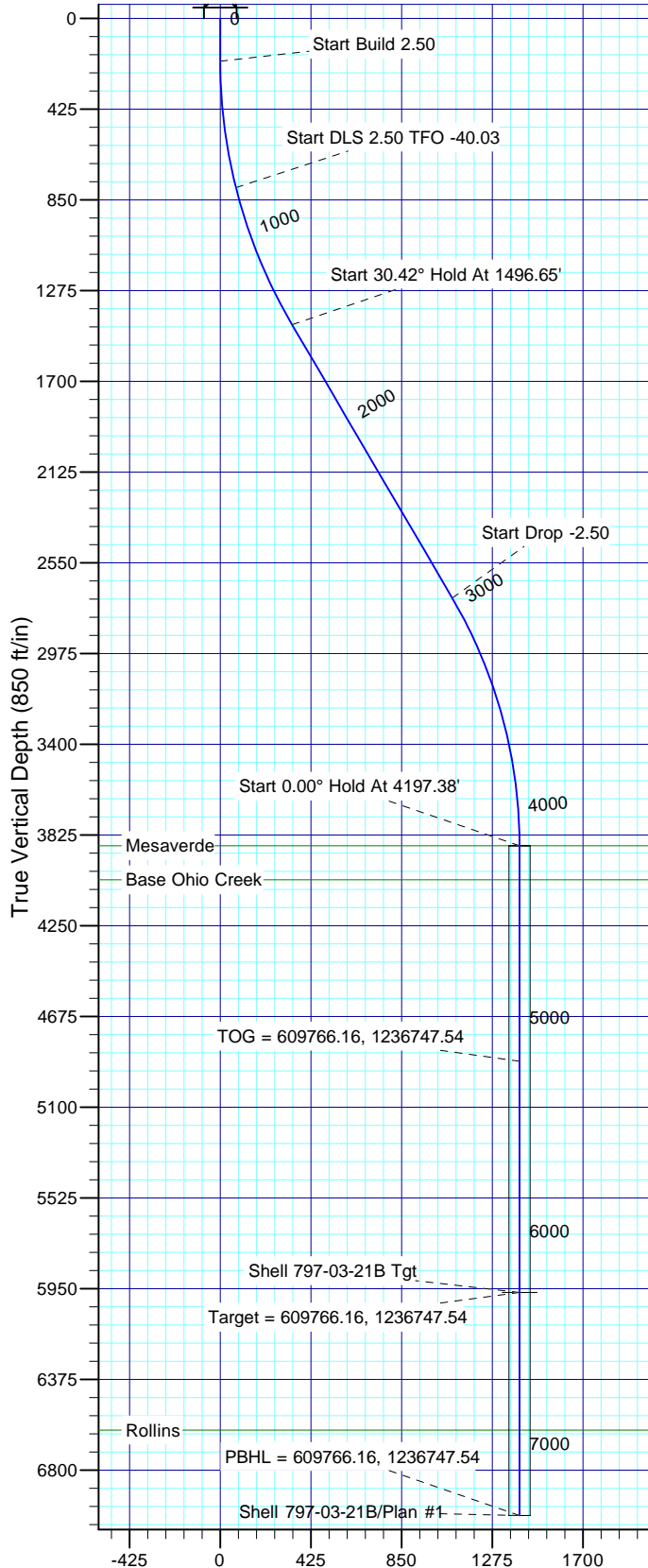
Well Details: Shell 797-03-21B

TVD Reference: GL 6485' & RKB 30' @ 6515.00ft (H&P) Ground Level: 6485.00
+N/-S 0.00 +E/-W 0.00 Northing 610900.89 Easting 1237571.58 Latitude 39° 28' 46.590 N Longitude 108° 12' 5.131 W Slot E

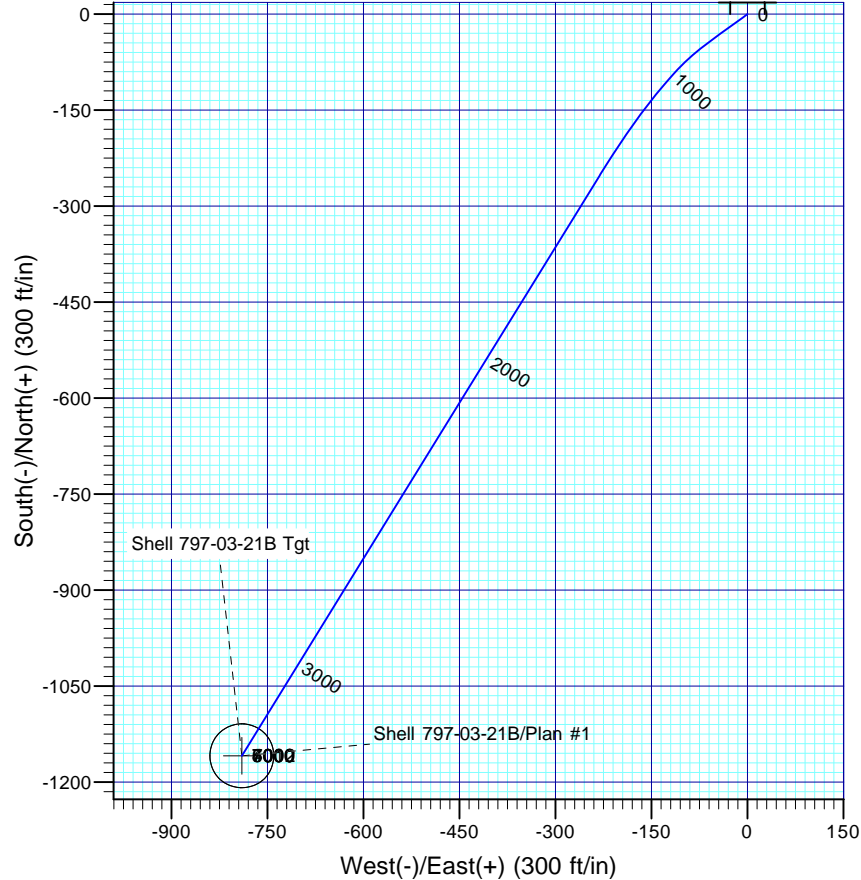


Azimuths to True North
Magnetic North: 10.42°

Magnetic Field
Strength: 52192.1snT
Dip Angle: 65.68°
Date: 08/18/2011
Model: IGRF2010



Vertical Section at 214.28° (850 ft/in)



FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|-----------------|
| 3875.00 | 4197.38 | Mesaverde |
| 4035.00 | 4357.38 | Base Ohio Creek |
| 6612.00 | 6934.38 | Rollins |

Plan: Plan #1

13:47, September 09 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 | VSect | 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 | 800.00 | 15.00 | 234.00 | 793.17 | -45.90 | -63.18 | 2.50 | 234.00 | 73.51 | |
| 4 | 1496.42 | 30.42 | 211.66 | 1434.74 | -250.51 | -229.90 | 2.50 | -40.03 | 336.48 | Shell 797-03-21B Tgt |
| 5 | 1496.65 | 30.42 | 211.66 | 1434.94 | -250.60 | -229.96 | 2.50 | 0.00 | 336.60 | |
| 6 | 2980.51 | 30.42 | 211.66 | 2714.51 | -890.16 | -624.33 | 0.00 | 0.00 | 1087.18 | |
| 7 | 4197.38 | 0.00 | 0.00 | 3875.00 | -1158.74 | -789.94 | 2.50 | 180.00 | 1402.39 | |
| 8 | 6290.13 | 0.00 | 0.00 | 5967.75 | -1158.74 | -789.94 | 0.00 | 0.00 | 1402.39 | Shell 797-03-21B Tgt |
| 9 | 7334.38 | 0.00 | 0.00 | 7012.00 | -1158.74 | -789.94 | 0.00 | 0.00 | 1402.39 | |

OXY USA RMAT

Garfield County, CO NAD27

Shell 797-03A Pad

Shell 797-03-21B - Slot E

OH

Plan: Plan #1

Standard Planning Report

09 September, 2011

Scientific Drilling International

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| Database: | Rockies Compass Server | Local Co-ordinate Reference: | Well Shell 797-03-21B - Slot E |
| Company: | OXY USA RMAT | TVD Reference: | GL 6485' & RKB 30' @ 6515.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 6485' & RKB 30' @ 6515.00ft (H&P) |
| Site: | Shell 797-03A Pad | North Reference: | True |
| Well: | Shell 797-03-21B | 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 | | Shell 797-03A Pad | | | |
| Site Position: | | Northing: | 610,902.00 usft | Latitude: | 39° 28' 46.610 N |
| From: | Lat/Long | Easting: | 1,237,601.62 usft | Longitude: | 108° 12' 4.748 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13.200 in | Grid Convergence: | -1.70 ° |

| Well | Shell 797-03-21B - Slot E | | | | | |
|----------------------|---------------------------|-----------|---------------------|-------------------|---------------|------------------|
| Well Position | +N/-S | -1.99 ft | Northing: | 610,900.90 usft | Latitude: | 39° 28' 46.590 N |
| | +E/-W | -30.00 ft | Easting: | 1,237,571.58 usft | Longitude: | 108° 12' 5.131 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | | Ground Level: | 6,485.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 08/18/11 | 10.42 | 65.68 | 52,192 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| 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 | 214.28 |

| 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 | |
| 800.00 | 15.00 | 234.00 | 793.17 | -45.90 | -63.18 | 2.50 | 2.50 | 0.00 | 234.00 | |
| 1,496.42 | 30.42 | 211.66 | 1,434.74 | -250.51 | -229.90 | 2.50 | 2.21 | -3.21 | -40.03 | Shell 797-03-21B Tgt |
| 1,496.65 | 30.42 | 211.66 | 1,434.94 | -250.60 | -229.96 | 2.50 | 2.50 | 0.00 | 0.00 | |
| 2,980.51 | 30.42 | 211.66 | 2,714.51 | -890.16 | -624.33 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,197.38 | 0.00 | 0.00 | 3,875.00 | -1,158.74 | -789.94 | 2.50 | -2.50 | 0.00 | 180.00 | |
| 6,290.13 | 0.00 | 0.00 | 5,967.75 | -1,158.74 | -789.94 | 0.00 | 0.00 | 0.00 | 0.00 | Shell 797-03-21B Tgt |
| 7,334.38 | 0.00 | 0.00 | 7,012.00 | -1,158.74 | -789.94 | 0.00 | 0.00 | 0.00 | 0.00 | |

Scientific Drilling International

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| Database: | Rockies Compass Server | Local Co-ordinate Reference: | Well Shell 797-03-21B - Slot E |
| Company: | OXY USA RMAT | TVD Reference: | GL 6485' & RKB 30' @ 6515.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 6485' & RKB 30' @ 6515.00ft (H&P) |
| Site: | Shell 797-03A Pad | North Reference: | True |
| Well: | Shell 797-03-21B | 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 2.50 | | | | | | | | | |
| 300.00 | 2.50 | 234.00 | 299.97 | -1.28 | -1.76 | 2.05 | 2.50 | 2.50 | 0.00 |
| 400.00 | 5.00 | 234.00 | 399.75 | -5.13 | -7.06 | 8.21 | 2.50 | 2.50 | 0.00 |
| 500.00 | 7.50 | 234.00 | 499.14 | -11.52 | -15.86 | 18.46 | 2.50 | 2.50 | 0.00 |
| 600.00 | 10.00 | 234.00 | 597.97 | -20.47 | -28.17 | 32.78 | 2.50 | 2.50 | 0.00 |
| 700.00 | 12.50 | 234.00 | 696.04 | -31.93 | -43.95 | 51.14 | 2.50 | 2.50 | 0.00 |
| 800.00 | 15.00 | 234.00 | 793.17 | -45.90 | -63.18 | 73.51 | 2.50 | 2.50 | 0.00 |
| Start DLS 2.50 TFO -40.03 | | | | | | | | | |
| 900.00 | 16.99 | 228.49 | 889.30 | -63.19 | -84.59 | 99.86 | 2.50 | 1.99 | -5.51 |
| 1,000.00 | 19.10 | 224.13 | 984.38 | -84.62 | -106.92 | 130.15 | 2.50 | 2.11 | -4.36 |
| 1,100.00 | 21.28 | 220.63 | 1,078.23 | -110.14 | -130.14 | 164.31 | 2.50 | 2.19 | -3.51 |
| 1,200.00 | 23.53 | 217.76 | 1,170.68 | -139.70 | -154.18 | 202.28 | 2.50 | 2.25 | -2.87 |
| 1,300.00 | 25.82 | 215.36 | 1,261.54 | -173.25 | -179.01 | 243.99 | 2.50 | 2.29 | -2.39 |
| 1,400.00 | 28.15 | 213.34 | 1,350.65 | -210.72 | -204.59 | 289.36 | 2.50 | 2.33 | -2.02 |
| 1,496.42 | 30.42 | 211.66 | 1,434.74 | -250.51 | -229.90 | 336.48 | 2.50 | 2.35 | -1.74 |
| 1,496.65 | 30.42 | 211.66 | 1,434.94 | -250.60 | -229.96 | 336.60 | 0.00 | 0.00 | 0.00 |
| Start 30.42° Hold At 1496.65' | | | | | | | | | |
| 1,500.00 | 30.42 | 211.66 | 1,437.83 | -252.05 | -230.85 | 338.30 | 0.17 | 0.17 | 0.00 |
| 1,600.00 | 30.42 | 211.66 | 1,524.06 | -295.15 | -257.43 | 388.88 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 30.42 | 211.66 | 1,610.30 | -338.25 | -284.01 | 439.46 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 30.42 | 211.66 | 1,696.53 | -381.35 | -310.59 | 490.05 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 30.42 | 211.66 | 1,782.76 | -424.45 | -337.16 | 540.63 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 30.42 | 211.66 | 1,868.99 | -467.55 | -363.74 | 591.21 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 30.42 | 211.66 | 1,955.23 | -510.65 | -390.32 | 641.79 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 30.42 | 211.66 | 2,041.46 | -553.75 | -416.89 | 692.38 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 30.42 | 211.66 | 2,127.69 | -596.86 | -443.47 | 742.96 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 30.42 | 211.66 | 2,213.92 | -639.96 | -470.05 | 793.54 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 30.42 | 211.66 | 2,300.15 | -683.06 | -496.63 | 844.13 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 30.42 | 211.66 | 2,386.39 | -726.16 | -523.20 | 894.71 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 30.42 | 211.66 | 2,472.62 | -769.26 | -549.78 | 945.29 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 30.42 | 211.66 | 2,558.85 | -812.36 | -576.36 | 995.87 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 30.42 | 211.66 | 2,645.08 | -855.46 | -602.93 | 1,046.46 | 0.00 | 0.00 | 0.00 |
| 2,980.51 | 30.42 | 211.66 | 2,714.51 | -890.16 | -624.33 | 1,087.18 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.50 | | | | | | | | | |
| 3,000.00 | 29.93 | 211.66 | 2,731.36 | -898.50 | -629.47 | 1,096.97 | 2.50 | -2.50 | 0.00 |
| 3,100.00 | 27.43 | 211.66 | 2,819.08 | -939.35 | -654.66 | 1,144.91 | 2.50 | -2.50 | 0.00 |
| 3,200.00 | 24.93 | 211.66 | 2,908.81 | -976.91 | -677.82 | 1,188.99 | 2.50 | -2.50 | 0.00 |
| 3,300.00 | 22.43 | 211.66 | 3,000.38 | -1,011.10 | -698.90 | 1,229.11 | 2.50 | -2.50 | 0.00 |
| 3,400.00 | 19.93 | 211.66 | 3,093.61 | -1,041.85 | -717.87 | 1,265.21 | 2.50 | -2.50 | 0.00 |
| 3,500.00 | 17.43 | 211.66 | 3,188.34 | -1,069.12 | -734.68 | 1,297.21 | 2.50 | -2.50 | 0.00 |
| 3,600.00 | 14.93 | 211.66 | 3,284.37 | -1,092.84 | -749.31 | 1,325.05 | 2.50 | -2.50 | 0.00 |
| 3,700.00 | 12.43 | 211.66 | 3,381.52 | -1,112.98 | -761.73 | 1,348.68 | 2.50 | -2.50 | 0.00 |
| 3,800.00 | 9.93 | 211.66 | 3,479.61 | -1,129.49 | -771.91 | 1,368.06 | 2.50 | -2.50 | 0.00 |
| 3,900.00 | 7.43 | 211.66 | 3,578.46 | -1,142.34 | -779.83 | 1,383.14 | 2.50 | -2.50 | 0.00 |
| 4,000.00 | 4.93 | 211.66 | 3,677.87 | -1,151.51 | -785.49 | 1,393.90 | 2.50 | -2.50 | 0.00 |
| 4,100.00 | 2.43 | 211.66 | 3,777.65 | -1,156.98 | -788.86 | 1,400.32 | 2.50 | -2.50 | 0.00 |
| 4,197.38 | 0.00 | 0.00 | 3,875.00 | -1,158.74 | -789.94 | 1,402.39 | 2.50 | -2.50 | 0.00 |
| Start 0.00° Hold At 4197.38' - Mesaverde | | | | | | | | | |
| 4,200.00 | 0.00 | 0.00 | 3,877.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 0.00 | 0.00 | 3,977.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 |

Scientific Drilling International

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| Database: | Rockies Compass Server | Local Co-ordinate Reference: | Well Shell 797-03-21B - Slot E |
| Company: | OXY USA RMAT | TVD Reference: | GL 6485' & RKB 30' @ 6515.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 6485' & RKB 30' @ 6515.00ft (H&P) |
| Site: | Shell 797-03A Pad | North Reference: | True |
| Well: | Shell 797-03-21B | 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) | |
| 4,357.38 | 0.00 | 0.00 | 4,035.00 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| Base Ohio Creek | | | | | | | | | | |
| 4,400.00 | 0.00 | 0.00 | 4,077.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 4,500.00 | 0.00 | 0.00 | 4,177.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 4,600.00 | 0.00 | 0.00 | 4,277.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 4,700.00 | 0.00 | 0.00 | 4,377.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 4,800.00 | 0.00 | 0.00 | 4,477.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 4,900.00 | 0.00 | 0.00 | 4,577.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 5,000.00 | 0.00 | 0.00 | 4,677.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 5,100.00 | 0.00 | 0.00 | 4,777.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 5,200.00 | 0.00 | 0.00 | 4,877.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 5,207.38 | 0.00 | 0.00 | 4,885.00 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| TOG = 609766.16, 1236747.54 | | | | | | | | | | |
| 5,300.00 | 0.00 | 0.00 | 4,977.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 5,400.00 | 0.00 | 0.00 | 5,077.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 5,500.00 | 0.00 | 0.00 | 5,177.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 5,600.00 | 0.00 | 0.00 | 5,277.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 5,700.00 | 0.00 | 0.00 | 5,377.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 5,800.00 | 0.00 | 0.00 | 5,477.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 5,900.00 | 0.00 | 0.00 | 5,577.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 6,000.00 | 0.00 | 0.00 | 5,677.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 6,100.00 | 0.00 | 0.00 | 5,777.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 6,200.00 | 0.00 | 0.00 | 5,877.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 6,290.13 | 0.00 | 0.00 | 5,967.75 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| Target = 609766.16, 1236747.54 | | | | | | | | | | |
| 6,300.00 | 0.00 | 0.00 | 5,977.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 6,400.00 | 0.00 | 0.00 | 6,077.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 6,500.00 | 0.00 | 0.00 | 6,177.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 6,600.00 | 0.00 | 0.00 | 6,277.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 6,700.00 | 0.00 | 0.00 | 6,377.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 6,800.00 | 0.00 | 0.00 | 6,477.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 6,900.00 | 0.00 | 0.00 | 6,577.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 6,934.38 | 0.00 | 0.00 | 6,612.00 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| Rollins | | | | | | | | | | |
| 7,000.00 | 0.00 | 0.00 | 6,677.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 7,100.00 | 0.00 | 0.00 | 6,777.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 7,200.00 | 0.00 | 0.00 | 6,877.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 7,300.00 | 0.00 | 0.00 | 6,977.62 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| 7,334.38 | 0.00 | 0.00 | 7,012.00 | -1,158.74 | -789.94 | 1,402.39 | 0.00 | 0.00 | 0.00 | |
| PBHL = 609766.16, 1236747.54 | | | | | | | | | | |

| Design Targets | | | | | | | | | | |
|---------------------------|---------------|--------------|----------|------------|------------|-----------------|----------------|------------------|--|-------------------|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | | Longitude |
| Shell 797-03-21B Tgt | 0.00 | 0.00 | 5,967.75 | -1,158.74 | -789.94 | 609,766.16 | 1,236,747.54 | 39° 28' 35.137 N | | 108° 12' 15.205 W |
| - hit/miss target | | | | | | | | | | |
| - Shape | | | | | | | | | | |
| - plan hits target center | | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | | |

Scientific Drilling International

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|--------------------------------------|
| Database: | Rockies Compass Server | Local Co-ordinate Reference: | Well Shell 797-03-21B - Slot E |
| Company: | OXY USA RMAT | TVD Reference: | GL 6485' & RKB 30' @ 6515.00ft (H&P) |
| Project: | Garfield County, CO NAD27 | MD Reference: | GL 6485' & RKB 30' @ 6515.00ft (H&P) |
| Site: | Shell 797-03A Pad | North Reference: | True |
| Well: | Shell 797-03-21B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Plan #1 | | |

| Formations | | | | | |
|---------------------|---------------------|-----------------|-----------|---------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
| 4,197.38 | 3,875.00 | Mesaverde | | 0.00 | |
| 4,357.38 | 4,035.00 | Base Ohio Creek | | 0.00 | |
| 6,934.38 | 6,612.00 | Rollins | | 0.00 | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|--------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 200.00 | 200.00 | 0.00 | 0.00 | Start Build 2.50 | |
| 800.00 | 793.17 | -45.90 | -63.18 | Start DLS 2.50 TFO -40.03 | |
| 1,496.65 | 1,434.94 | -250.60 | -229.96 | Start 30.42° Hold At 1496.65' | |
| 2,980.51 | 2,714.51 | -890.16 | -624.33 | Start Drop -2.50 | |
| 4,197.38 | 3,875.00 | -1,158.74 | -789.94 | Start 0.00° Hold At 4197.38' | |
| 5,207.38 | 4,885.00 | -1,158.74 | -789.94 | TOG = 609766.16, 1236747.54 | |
| 6,290.13 | 5,967.75 | -1,158.74 | -789.94 | Target = 609766.16, 1236747.54 | |
| 7,334.38 | 7,012.00 | -1,158.74 | -789.94 | PBHL = 609766.16, 1236747.54 | |