

Marathon Oil Company

**Weld County
Weld County, Colorado
Crow Valley 7-62-28-4H**

Wellbore #1

Plan: Design #1

Standard Planning Report

22 November, 2011

Gyrodatta

Planning Report

| | | | |
|------------------|---------------------------|-------------------------------------|-----------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Site Weld County, Colorado |
| Company: | Marathon Oil Company | TVD Reference: | WELL @ 0.0ft (Original Well Elev) |
| Project: | Weld County | MD Reference: | WELL @ 0.0ft (Original Well Elev) |
| Site: | Weld County, Colorado | North Reference: | True |
| Well: | Crow Valley 7-62-28-4H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | Weld County | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| Site | | Weld County, Colorado | | | |
|--|----------|-----------------------|-----------------|-------------------|-------------------|
| Site Position: From: Position Uncertainty: | Lat/Long | Northing: | 1,441,271.40 ft | Latitude: | 40° 32' 19.345 N |
| | | Easting: | 3,327,775.03 ft | Longitude: | 104° 19' 14.398 W |
| | | Slot Radius: | 0 " | Grid Convergence: | 0.76 |

| | | | | | | |
|----------------------|------------------------|--------|---------------------|-----------------|---------------|-------------------|
| Well | Crow Valley 7-62-28-4H | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,441,271.40 ft | Latitude: | 40° 32' 19.345 N |
| | +E/-W | 0.0 ft | Easting: | 3,327,775.03 ft | Longitude: | 104° 19' 14.398 W |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | | Ground Level: | 0.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF200510 | 2011/11/22 | 8.53 | 67.23 | 53,266 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | Design #1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.0 | 0.0 | 0.0 | 2.50 |

| 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 |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,106.0 | 0.00 | 0.00 | 6,106.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,108.0 | 0.00 | 0.00 | 6,108.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,008.0 | 90.00 | 2.50 | 6,681.0 | 572.4 | 25.0 | 10.00 | 10.00 | 0.00 | 2.50 | |
| 10,935.3 | 90.00 | 2.50 | 6,681.0 | 4,495.9 | 196.5 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL |

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Planning Report

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|------------------|---------------------------|-------------------------------------|-----------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Site Weld County, Colorado |
| Company: | Marathon Oil Company | TVD Reference: | WELL @ 0.0ft (Original Well Elev) |
| Project: | Weld County | MD Reference: | WELL @ 0.0ft (Original Well Elev) |
| Site: | Weld County, Colorado | North Reference: | True |
| Well: | Crow Valley 7-62-28-4H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #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) |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 0.00 | 0.00 | 1,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 0.00 | 0.00 | 1,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 0.00 | 0.00 | 1,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 0.00 | 0.00 | 1,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 0.00 | 0.00 | 1,700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 0.00 | 0.00 | 1,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 0.00 | 0.00 | 1,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 0.00 | 0.00 | 2,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 0.00 | 0.00 | 2,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 0.00 | 0.00 | 2,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 0.00 | 0.00 | 2,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 0.00 | 0.00 | 2,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 0.00 | 0.00 | 2,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 0.00 | 0.00 | 2,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 0.00 | 0.00 | 2,700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 0.00 | 0.00 | 2,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 0.00 | 0.00 | 2,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 0.00 | 0.00 | 3,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 0.00 | 0.00 | 3,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 0.00 | 0.00 | 3,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 0.00 | 0.00 | 3,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 0.00 | 0.00 | 3,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 0.00 | 0.00 | 3,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 0.00 | 0.00 | 3,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 0.00 | 0.00 | 3,700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 0.00 | 0.00 | 3,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 0.00 | 0.00 | 3,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 0.00 | 0.00 | 4,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 0.00 | 0.00 | 4,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 0.00 | 0.00 | 4,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 0.00 | 0.00 | 4,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 0.00 | 0.00 | 4,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 0.00 | 0.00 | 4,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 0.00 | 0.00 | 4,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 0.00 | 0.00 | 4,700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 0.00 | 0.00 | 4,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 0.00 | 0.00 | 4,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 0.00 | 0.00 | 5,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 0.00 | 0.00 | 5,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 0.00 | 0.00 | 5,200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 0.00 | 0.00 | 5,300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |

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| Site: | Weld County, Colorado | North Reference: | True |
| Well: | Crow Valley 7-62-28-4H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #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) |
| 5,400.0 | 0.00 | 0.00 | 5,400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 0.00 | 0.00 | 5,500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 0.00 | 0.00 | 5,600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 0.00 | 0.00 | 5,700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 0.00 | 0.00 | 5,800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 0.00 | 0.00 | 5,900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 0.00 | 0.00 | 6,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 0.00 | 0.00 | 6,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 6,106.0 | 0.00 | 0.00 | 6,106.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 6,108.0 | 0.00 | 0.00 | 6,108.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| KOP Begin Build 10.00°/100' MD | | | | | | | | | |
| 6,200.0 | 9.20 | 2.50 | 6,199.6 | 7.4 | 0.3 | 7.4 | 10.00 | 10.00 | 0.00 |
| 6,300.0 | 19.20 | 2.50 | 6,296.4 | 31.8 | 1.4 | 31.9 | 10.00 | 10.00 | 0.00 |
| 6,400.0 | 29.20 | 2.50 | 6,387.5 | 72.7 | 3.2 | 72.8 | 10.00 | 10.00 | 0.00 |
| 6,500.0 | 39.20 | 2.50 | 6,470.1 | 128.8 | 5.6 | 128.9 | 10.00 | 10.00 | 0.00 |
| 6,600.0 | 49.20 | 2.50 | 6,541.7 | 198.4 | 8.7 | 198.5 | 10.00 | 10.00 | 0.00 |
| 6,700.0 | 59.20 | 2.50 | 6,600.2 | 279.3 | 12.2 | 279.5 | 10.00 | 10.00 | 0.00 |
| 6,800.0 | 69.20 | 2.50 | 6,643.6 | 369.1 | 16.1 | 369.5 | 10.00 | 10.00 | 0.00 |
| 6,900.0 | 79.20 | 2.50 | 6,670.8 | 465.1 | 20.3 | 465.6 | 10.00 | 10.00 | 0.00 |
| 7,000.0 | 89.20 | 2.50 | 6,680.9 | 564.4 | 24.7 | 564.9 | 10.00 | 10.00 | 0.00 |
| 7,008.0 | 90.00 | 2.50 | 6,681.0 | 572.4 | 25.0 | 572.9 | 10.00 | 10.00 | 0.00 |
| End of Build 90.00° 7008' MD | | | | | | | | | |
| 7,100.0 | 90.00 | 2.50 | 6,681.0 | 664.3 | 29.0 | 664.9 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 90.00 | 2.50 | 6,681.0 | 764.2 | 33.4 | 764.9 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 90.00 | 2.50 | 6,681.0 | 864.1 | 37.8 | 864.9 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 90.00 | 2.50 | 6,681.0 | 964.0 | 42.1 | 964.9 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 90.00 | 2.50 | 6,681.0 | 1,063.9 | 46.5 | 1,064.9 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 90.00 | 2.50 | 6,681.0 | 1,163.8 | 50.9 | 1,164.9 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 90.00 | 2.50 | 6,681.0 | 1,263.7 | 55.2 | 1,264.9 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 90.00 | 2.50 | 6,681.0 | 1,363.6 | 59.6 | 1,364.9 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 90.00 | 2.50 | 6,681.0 | 1,463.5 | 64.0 | 1,464.9 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 90.00 | 2.50 | 6,681.0 | 1,563.4 | 68.3 | 1,564.9 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 90.00 | 2.50 | 6,681.0 | 1,663.3 | 72.7 | 1,664.9 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 90.00 | 2.50 | 6,681.0 | 1,763.2 | 77.1 | 1,764.9 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 90.00 | 2.50 | 6,681.0 | 1,863.1 | 81.4 | 1,864.9 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 90.00 | 2.50 | 6,681.0 | 1,963.0 | 85.8 | 1,964.9 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 90.00 | 2.50 | 6,681.0 | 2,062.9 | 90.1 | 2,064.9 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 90.00 | 2.50 | 6,681.0 | 2,162.9 | 94.5 | 2,164.9 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 90.00 | 2.50 | 6,681.0 | 2,262.8 | 98.9 | 2,264.9 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 90.00 | 2.50 | 6,681.0 | 2,362.7 | 103.2 | 2,364.9 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 90.00 | 2.50 | 6,681.0 | 2,462.6 | 107.6 | 2,464.9 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 90.00 | 2.50 | 6,681.0 | 2,562.5 | 112.0 | 2,564.9 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 90.00 | 2.50 | 6,681.0 | 2,662.4 | 116.3 | 2,664.9 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | 90.00 | 2.50 | 6,681.0 | 2,762.3 | 120.7 | 2,764.9 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 90.00 | 2.50 | 6,681.0 | 2,862.2 | 125.1 | 2,864.9 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 90.00 | 2.50 | 6,681.0 | 2,962.1 | 129.4 | 2,964.9 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 90.00 | 2.50 | 6,681.0 | 3,062.0 | 133.8 | 3,064.9 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 90.00 | 2.50 | 6,681.0 | 3,161.9 | 138.2 | 3,164.9 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 90.00 | 2.50 | 6,681.0 | 3,261.8 | 142.5 | 3,264.9 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 90.00 | 2.50 | 6,681.0 | 3,361.7 | 146.9 | 3,364.9 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 90.00 | 2.50 | 6,681.0 | 3,461.6 | 151.3 | 3,464.9 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 90.00 | 2.50 | 6,681.0 | 3,561.5 | 155.6 | 3,564.9 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 90.00 | 2.50 | 6,681.0 | 3,661.4 | 160.0 | 3,664.9 | 0.00 | 0.00 | 0.00 |

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| Project: | Weld County | MD Reference: | WELL @ 0.0ft (Original Well Elev) |
| Site: | Weld County, Colorado | North Reference: | True |
| Well: | Crow Valley 7-62-28-4H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #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) | |
| 10,200.0 | 90.00 | 2.50 | 6,681.0 | 3,761.3 | 164.4 | 3,764.9 | 0.00 | 0.00 | 0.00 | |
| 10,300.0 | 90.00 | 2.50 | 6,681.0 | 3,861.2 | 168.7 | 3,864.9 | 0.00 | 0.00 | 0.00 | |
| 10,400.0 | 90.00 | 2.50 | 6,681.0 | 3,961.1 | 173.1 | 3,964.9 | 0.00 | 0.00 | 0.00 | |
| 10,500.0 | 90.00 | 2.50 | 6,681.0 | 4,061.0 | 177.5 | 4,064.9 | 0.00 | 0.00 | 0.00 | |
| 10,600.0 | 90.00 | 2.50 | 6,681.0 | 4,160.9 | 181.8 | 4,164.9 | 0.00 | 0.00 | 0.00 | |
| 10,700.0 | 90.00 | 2.50 | 6,681.0 | 4,260.8 | 186.2 | 4,264.9 | 0.00 | 0.00 | 0.00 | |
| 10,800.0 | 90.00 | 2.50 | 6,681.0 | 4,360.8 | 190.6 | 4,364.9 | 0.00 | 0.00 | 0.00 | |
| 10,900.0 | 90.00 | 2.50 | 6,681.0 | 4,460.7 | 194.9 | 4,464.9 | 0.00 | 0.00 | 0.00 | |
| 10,935.3 | 90.00 | 2.50 | 6,681.0 | 4,495.9 | 196.5 | 4,500.2 | 0.00 | 0.00 | 0.00 | |
| PBHL 90.00° 10935' MD | | | | | | | | | | |

| Design 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 | | | | | | | | | | |
| PBHL | 0.00 | 0.00 | 6,681.0 | 4,495.9 | 196.5 | 1,445,769.56 | 3,327,911.69 | 40° 33' 3.773 N | 104° 19' 11.852 W | |
| - plan hits target center | | | | | | | | | | |
| - Point | | | | | | | | | | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|--------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 6,108.0 | 6,108.0 | 0.0 | 0.0 | KOP Begin Build 10.00°/100' MD | |
| 7,008.0 | 6,681.0 | 572.4 | 25.0 | End of Build 90.00° 7008' MD | |
| 10,935.3 | 6,681.0 | 4,495.9 | 196.5 | PBHL 90.00° 10935' MD | |