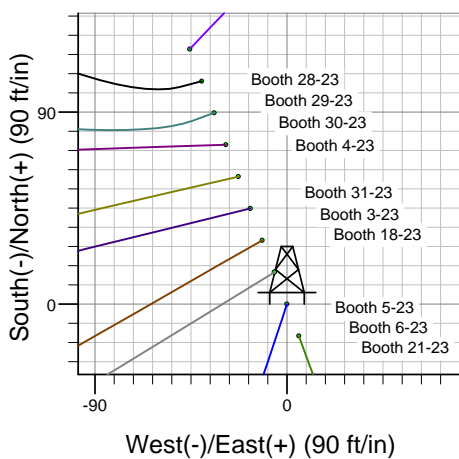
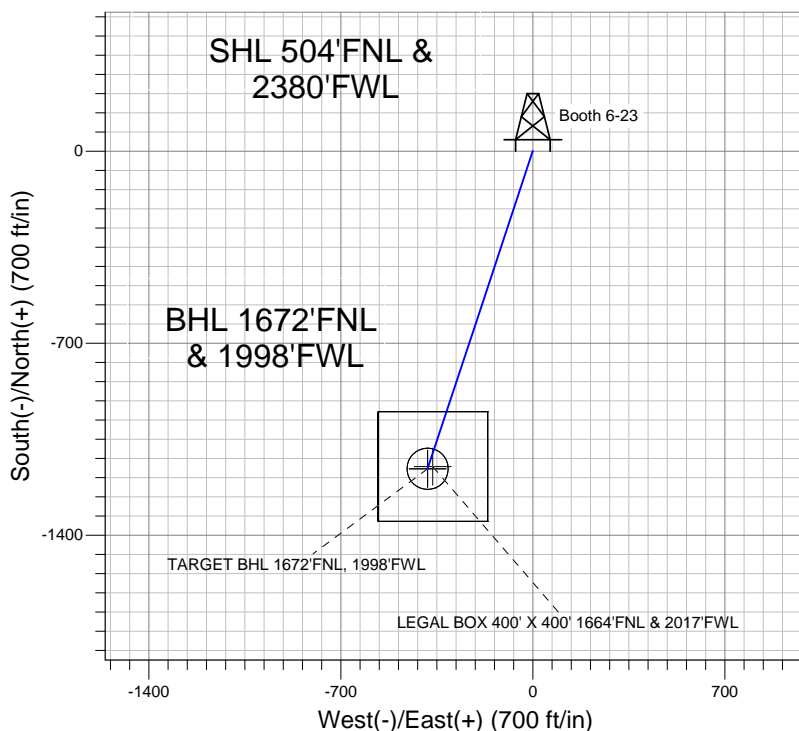
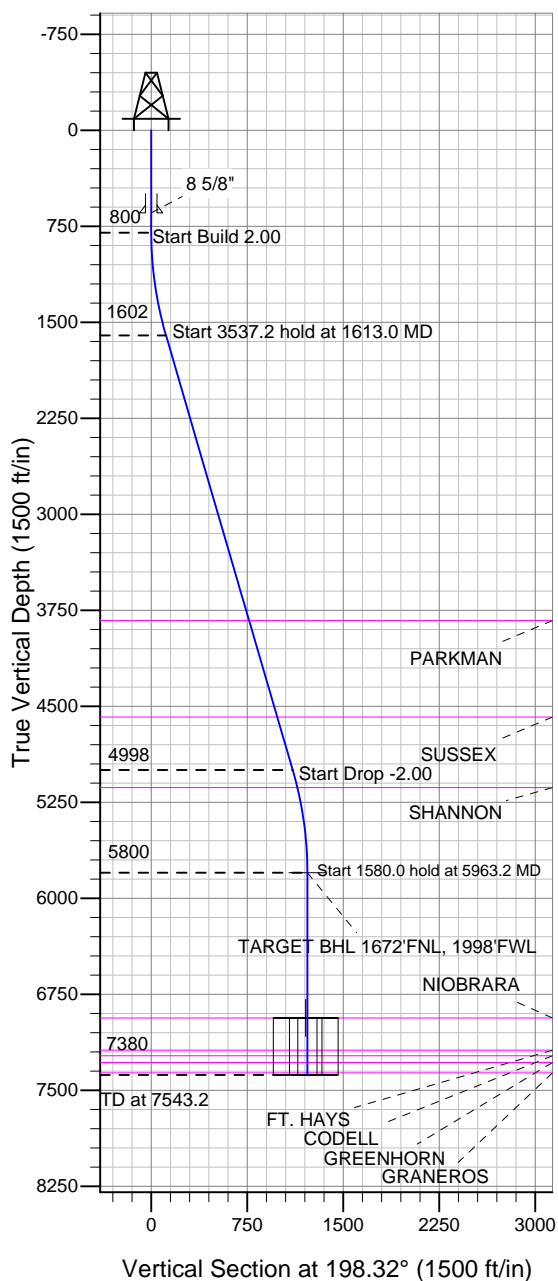


Well Name: Booth 6-23

Surface Location: Booth 10 Pad Sec.23-T7N-R65W
North American Datum 1983, US State Plane 1983 Colorado Northern Zone
Ground Elevation: 4896.0

| | | | | | | |
|-------|-------|---|------------|-----------|-------------|------|
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
| 0.0 | 0.0 | 1449832.33 | 3241386.93 | 40.564943 | -104.631165 | |
| | | Original Well Elev WELL @ 4912.0ft (Original Well Elev) | | | | |

BAYSWATER EXPLORATION & PRODUCTION



Azimuths to True North
Magnetic North: 8.69°

Magnetic Field
Strength: 53136.9snT
Dip Angle: 67.18°
Date: 5/7/2012
Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | Shape |
|---|--------|---------|--------|-----------|-------------|----------------------------------|
| TARGET BHL 1672'FNL, 1998'FWL | 5800.0 | -1157.8 | -383.4 | 40.561765 | -104.632545 | Point |
| LEGAL BOX 400' X 400' 1664'FNL & 2017'FWL | 6934.0 | -1149.8 | -364.4 | 40.561787 | -104.632476 | Rectangle (Sides: L400.0 W400.0) |
| TARGET CIRCLE 1672'FNL & 1998'FWL | 6934.0 | -1157.8 | -383.4 | 40.561765 | -104.632545 | Circle (Radius: 75.0) |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|-----|--------|-------|--------|--------|---------|--------|------|--------|--------|-------------------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1613.0 | 16.26 | 198.32 | 1602.2 | -108.8 | -36.0 | 2.00 | 198.32 | 114.6 | |
| 4 | 5150.2 | 16.26 | 198.32 | 4997.8 | -1049.0 | -347.4 | 0.00 | 0.00 | 1105.0 | |
| 5 | 5963.2 | 0.00 | 0.00 | 5800.0 | -1157.8 | -383.4 | 2.00 | 180.00 | 1219.6 | |
| 6 | 7543.2 | 0.00 | 0.00 | 7380.0 | -1157.8 | -383.4 | 0.00 | 0.00 | 1219.6 | TARGET BHL 1672'FNL, 1998'FWL |



BAYSWATER EXPLORATION & PRODUCTION

SEC.23-T7N-R65W

Booth 10 Pad Sec.23-T7N-R65W

Booth 6-23

Wellbore #1

Plan: Plan #1 (5-07-12)

Standard Planning Report

11 May, 2012

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Booth 6-23 |
| Company: | BAYSWATER EXPLORATION & PRODUCTION | TVD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Project: | SEC.23-T7N-R65W | MD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Site: | Booth 10 Pad Sec.23-T7N-R65W | North Reference: | True |
| Well: | Booth 6-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (5-07-12) | | |

| | | | |
|--------------------|----------------------------------|----------------------|-----------------------------|
| Project | SEC.23-T7N-R65W, Weld County, CO | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | Using Well Reference Point |
| Map Zone: | Colorado Northern Zone | | Using geodetic scale factor |

| | | | | | |
|------------------------------|----------|--------------|-----------------|-------------------|-------------|
| Booth 10 Pad Sec.23-T7N-R65W | | | | | |
| Site Position: | | Northing: | 1,449,951.39 ft | Latitude: | 40.565271 |
| From: | Lat/Long | Easting: | 3,241,340.20 ft | Longitude: | -104.631329 |
| Position Uncertainty: | 0.0 ft | Slot Radius: | " | Grid Convergence: | 0.56 ° |

| Well | Booth 6-23 | | | | | |
|----------------------|------------|-----------|---------------------|-----------------|---------------|-------------|
| Well Position | +N-S | -119.5 ft | Northing: | 1,449,832.33 ft | Latitude: | 40.564943 |
| | +E-W | 45.6 ft | Easting: | 3,241,386.93 ft | Longitude: | -104.631165 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 4,896.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 5/7/2012 | 8.69 | 67.18 | 53,137 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | Plan #1 (5-07-12) | | | |
| 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 | 198.32 |

| 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 | |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,613.0 | 16.26 | 198.32 | 1,602.2 | -108.8 | -36.0 | 2.00 | 2.00 | 0.00 | 198.32 | |
| 5,150.2 | 16.26 | 198.32 | 4,997.8 | -1,049.0 | -347.4 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,963.2 | 0.00 | 0.00 | 5,800.0 | -1,157.8 | -383.4 | 2.00 | -2.00 | 0.00 | 180.00 | TARGET BHL 1672 |
| 7,543.2 | 0.00 | 0.00 | 7,380.0 | -1,157.8 | -383.4 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Booth 6-23 |
| Company: | BAYSWATER EXPLORATION & PRODUCTION | TVD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Project: | SEC.23-T7N-R65W | MD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Site: | Booth 10 Pad Sec.23-T7N-R65W | North Reference: | True |
| Well: | Booth 6-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (5-07-12) | | |

| 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 |
| 40.0 | 0.00 | 0.00 | 40.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 80.0 | 0.00 | 0.00 | 80.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 160.0 | 0.00 | 0.00 | 160.0 | 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 |
| 240.0 | 0.00 | 0.00 | 240.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 280.0 | 0.00 | 0.00 | 280.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 320.0 | 0.00 | 0.00 | 320.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 360.0 | 0.00 | 0.00 | 360.0 | 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 |
| 440.0 | 0.00 | 0.00 | 440.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 480.0 | 0.00 | 0.00 | 480.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 520.0 | 0.00 | 0.00 | 520.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 560.0 | 0.00 | 0.00 | 560.0 | 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 |
| 640.0 | 0.00 | 0.00 | 640.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 645.0 | 0.00 | 0.00 | 645.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 8 5/8" | | | | | | | | | |
| 680.0 | 0.00 | 0.00 | 680.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 720.0 | 0.00 | 0.00 | 720.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 760.0 | 0.00 | 0.00 | 760.0 | 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 |
| 840.0 | 0.80 | 198.32 | 840.0 | -0.3 | -0.1 | 0.3 | 2.00 | 2.00 | 0.00 |
| 880.0 | 1.60 | 198.32 | 880.0 | -1.1 | -0.4 | 1.1 | 2.00 | 2.00 | 0.00 |
| 920.0 | 2.40 | 198.32 | 920.0 | -2.4 | -0.8 | 2.5 | 2.00 | 2.00 | 0.00 |
| 960.0 | 3.20 | 198.32 | 959.9 | -4.2 | -1.4 | 4.5 | 2.00 | 2.00 | 0.00 |
| 1,000.0 | 4.00 | 198.32 | 999.8 | -6.6 | -2.2 | 7.0 | 2.00 | 2.00 | 0.00 |
| 1,040.0 | 4.80 | 198.32 | 1,039.7 | -9.5 | -3.2 | 10.0 | 2.00 | 2.00 | 0.00 |
| 1,080.0 | 5.60 | 198.32 | 1,079.6 | -13.0 | -4.3 | 13.7 | 2.00 | 2.00 | 0.00 |
| 1,120.0 | 6.40 | 198.32 | 1,119.3 | -16.9 | -5.6 | 17.9 | 2.00 | 2.00 | 0.00 |
| 1,160.0 | 7.20 | 198.32 | 1,159.1 | -21.4 | -7.1 | 22.6 | 2.00 | 2.00 | 0.00 |
| 1,200.0 | 8.00 | 198.32 | 1,198.7 | -26.5 | -8.8 | 27.9 | 2.00 | 2.00 | 0.00 |
| 1,240.0 | 8.80 | 198.32 | 1,238.3 | -32.0 | -10.6 | 33.7 | 2.00 | 2.00 | 0.00 |
| 1,280.0 | 9.60 | 198.32 | 1,277.8 | -38.1 | -12.6 | 40.1 | 2.00 | 2.00 | 0.00 |
| 1,320.0 | 10.40 | 198.32 | 1,317.1 | -44.7 | -14.8 | 47.1 | 2.00 | 2.00 | 0.00 |
| 1,360.0 | 11.20 | 198.32 | 1,356.4 | -51.8 | -17.2 | 54.6 | 2.00 | 2.00 | 0.00 |
| 1,400.0 | 12.00 | 198.32 | 1,395.6 | -59.4 | -19.7 | 62.6 | 2.00 | 2.00 | 0.00 |
| 1,440.0 | 12.80 | 198.32 | 1,434.7 | -67.6 | -22.4 | 71.2 | 2.00 | 2.00 | 0.00 |
| 1,480.0 | 13.60 | 198.32 | 1,473.6 | -76.3 | -25.3 | 80.3 | 2.00 | 2.00 | 0.00 |
| 1,520.0 | 14.40 | 198.32 | 1,512.4 | -85.4 | -28.3 | 90.0 | 2.00 | 2.00 | 0.00 |
| 1,560.0 | 15.20 | 198.32 | 1,551.1 | -95.1 | -31.5 | 100.2 | 2.00 | 2.00 | 0.00 |
| 1,600.0 | 16.00 | 198.32 | 1,589.6 | -105.3 | -34.9 | 111.0 | 2.00 | 2.00 | 0.00 |
| 1,613.0 | 16.26 | 198.32 | 1,602.2 | -108.8 | -36.0 | 114.6 | 2.00 | 2.00 | 0.00 |
| 1,640.0 | 16.26 | 198.32 | 1,628.1 | -116.0 | -38.4 | 122.1 | 0.00 | 0.00 | 0.00 |
| 1,680.0 | 16.26 | 198.32 | 1,666.5 | -126.6 | -41.9 | 133.3 | 0.00 | 0.00 | 0.00 |
| 1,720.0 | 16.26 | 198.32 | 1,704.9 | -137.2 | -45.4 | 144.5 | 0.00 | 0.00 | 0.00 |
| 1,760.0 | 16.26 | 198.32 | 1,743.3 | -147.9 | -49.0 | 155.7 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 16.26 | 198.32 | 1,781.7 | -158.5 | -52.5 | 167.0 | 0.00 | 0.00 | 0.00 |
| 1,840.0 | 16.26 | 198.32 | 1,820.1 | -169.1 | -56.0 | 178.2 | 0.00 | 0.00 | 0.00 |
| 1,880.0 | 16.26 | 198.32 | 1,858.5 | -179.8 | -59.5 | 189.4 | 0.00 | 0.00 | 0.00 |
| 1,920.0 | 16.26 | 198.32 | 1,896.9 | -190.4 | -63.1 | 200.6 | 0.00 | 0.00 | 0.00 |
| 1,960.0 | 16.26 | 198.32 | 1,935.3 | -201.0 | -66.6 | 211.8 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Booth 6-23 |
| Company: | BAYSWATER EXPLORATION & PRODUCTION | TVD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Project: | SEC.23-T7N-R65W | MD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Site: | Booth 10 Pad Sec.23-T7N-R65W | North Reference: | True |
| Well: | Booth 6-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (5-07-12) | | |

| 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) |
| 2,000.0 | 16.26 | 198.32 | 1,973.6 | -211.6 | -70.1 | 223.0 | 0.00 | 0.00 | 0.00 |
| 2,040.0 | 16.26 | 198.32 | 2,012.0 | -222.3 | -73.6 | 234.2 | 0.00 | 0.00 | 0.00 |
| 2,080.0 | 16.26 | 198.32 | 2,050.4 | -232.9 | -77.1 | 245.4 | 0.00 | 0.00 | 0.00 |
| 2,120.0 | 16.26 | 198.32 | 2,088.8 | -243.5 | -80.7 | 256.6 | 0.00 | 0.00 | 0.00 |
| 2,160.0 | 16.26 | 198.32 | 2,127.2 | -254.2 | -84.2 | 267.8 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 16.26 | 198.32 | 2,165.6 | -264.8 | -87.7 | 279.0 | 0.00 | 0.00 | 0.00 |
| 2,240.0 | 16.26 | 198.32 | 2,204.0 | -275.4 | -91.2 | 290.2 | 0.00 | 0.00 | 0.00 |
| 2,280.0 | 16.26 | 198.32 | 2,242.4 | -286.1 | -94.7 | 301.4 | 0.00 | 0.00 | 0.00 |
| 2,320.0 | 16.26 | 198.32 | 2,280.8 | -296.7 | -98.3 | 312.6 | 0.00 | 0.00 | 0.00 |
| 2,360.0 | 16.26 | 198.32 | 2,319.2 | -307.3 | -101.8 | 323.8 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 16.26 | 198.32 | 2,357.6 | -318.0 | -105.3 | 335.0 | 0.00 | 0.00 | 0.00 |
| 2,440.0 | 16.26 | 198.32 | 2,396.0 | -328.6 | -108.8 | 346.2 | 0.00 | 0.00 | 0.00 |
| 2,480.0 | 16.26 | 198.32 | 2,434.4 | -339.2 | -112.3 | 357.4 | 0.00 | 0.00 | 0.00 |
| 2,520.0 | 16.26 | 198.32 | 2,472.8 | -349.9 | -115.9 | 368.6 | 0.00 | 0.00 | 0.00 |
| 2,560.0 | 16.26 | 198.32 | 2,511.2 | -360.5 | -119.4 | 379.8 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 16.26 | 198.32 | 2,549.6 | -371.1 | -122.9 | 391.0 | 0.00 | 0.00 | 0.00 |
| 2,640.0 | 16.26 | 198.32 | 2,588.0 | -381.8 | -126.4 | 402.2 | 0.00 | 0.00 | 0.00 |
| 2,680.0 | 16.26 | 198.32 | 2,626.4 | -392.4 | -130.0 | 413.4 | 0.00 | 0.00 | 0.00 |
| 2,720.0 | 16.26 | 198.32 | 2,664.8 | -403.0 | -133.5 | 424.6 | 0.00 | 0.00 | 0.00 |
| 2,760.0 | 16.26 | 198.32 | 2,703.2 | -413.7 | -137.0 | 435.8 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 16.26 | 198.32 | 2,741.6 | -424.3 | -140.5 | 447.0 | 0.00 | 0.00 | 0.00 |
| 2,840.0 | 16.26 | 198.32 | 2,780.0 | -434.9 | -144.0 | 458.2 | 0.00 | 0.00 | 0.00 |
| 2,880.0 | 16.26 | 198.32 | 2,818.4 | -445.6 | -147.6 | 469.4 | 0.00 | 0.00 | 0.00 |
| 2,920.0 | 16.26 | 198.32 | 2,856.8 | -456.2 | -151.1 | 480.6 | 0.00 | 0.00 | 0.00 |
| 2,960.0 | 16.26 | 198.32 | 2,895.2 | -466.8 | -154.6 | 491.8 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 16.26 | 198.32 | 2,933.6 | -477.5 | -158.1 | 503.0 | 0.00 | 0.00 | 0.00 |
| 3,040.0 | 16.26 | 198.32 | 2,972.0 | -488.1 | -161.6 | 514.2 | 0.00 | 0.00 | 0.00 |
| 3,080.0 | 16.26 | 198.32 | 3,010.4 | -498.7 | -165.2 | 525.4 | 0.00 | 0.00 | 0.00 |
| 3,120.0 | 16.26 | 198.32 | 3,048.8 | -509.4 | -168.7 | 536.6 | 0.00 | 0.00 | 0.00 |
| 3,160.0 | 16.26 | 198.32 | 3,087.2 | -520.0 | -172.2 | 547.8 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 16.26 | 198.32 | 3,125.6 | -530.6 | -175.7 | 559.0 | 0.00 | 0.00 | 0.00 |
| 3,240.0 | 16.26 | 198.32 | 3,164.0 | -541.3 | -179.3 | 570.2 | 0.00 | 0.00 | 0.00 |
| 3,280.0 | 16.26 | 198.32 | 3,202.4 | -551.9 | -182.8 | 581.4 | 0.00 | 0.00 | 0.00 |
| 3,320.0 | 16.26 | 198.32 | 3,240.8 | -562.5 | -186.3 | 592.6 | 0.00 | 0.00 | 0.00 |
| 3,360.0 | 16.26 | 198.32 | 3,279.2 | -573.2 | -189.8 | 603.8 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 16.26 | 198.32 | 3,317.6 | -583.8 | -193.3 | 615.0 | 0.00 | 0.00 | 0.00 |
| 3,440.0 | 16.26 | 198.32 | 3,356.0 | -594.4 | -196.9 | 626.2 | 0.00 | 0.00 | 0.00 |
| 3,480.0 | 16.26 | 198.32 | 3,394.4 | -605.0 | -200.4 | 637.4 | 0.00 | 0.00 | 0.00 |
| 3,520.0 | 16.26 | 198.32 | 3,432.8 | -615.7 | -203.9 | 648.6 | 0.00 | 0.00 | 0.00 |
| 3,560.0 | 16.26 | 198.32 | 3,471.2 | -626.3 | -207.4 | 659.8 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 16.26 | 198.32 | 3,509.6 | -636.9 | -210.9 | 671.0 | 0.00 | 0.00 | 0.00 |
| 3,640.0 | 16.26 | 198.32 | 3,548.0 | -647.6 | -214.5 | 682.2 | 0.00 | 0.00 | 0.00 |
| 3,680.0 | 16.26 | 198.32 | 3,586.4 | -658.2 | -218.0 | 693.4 | 0.00 | 0.00 | 0.00 |
| 3,720.0 | 16.26 | 198.32 | 3,624.8 | -668.8 | -221.5 | 704.6 | 0.00 | 0.00 | 0.00 |
| 3,760.0 | 16.26 | 198.32 | 3,663.2 | -679.5 | -225.0 | 715.8 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 16.26 | 198.32 | 3,701.6 | -690.1 | -228.6 | 727.0 | 0.00 | 0.00 | 0.00 |
| 3,840.0 | 16.26 | 198.32 | 3,740.0 | -700.7 | -232.1 | 738.2 | 0.00 | 0.00 | 0.00 |
| 3,880.0 | 16.26 | 198.32 | 3,778.4 | -711.4 | -235.6 | 749.4 | 0.00 | 0.00 | 0.00 |
| 3,920.0 | 16.26 | 198.32 | 3,816.8 | -722.0 | -239.1 | 760.6 | 0.00 | 0.00 | 0.00 |
| 3,932.7 | 16.26 | 198.32 | 3,829.0 | -725.4 | -240.2 | 764.1 | 0.00 | 0.00 | 0.00 |
| PARKMAN | | | | | | | | | |
| 3,960.0 | 16.26 | 198.32 | 3,855.2 | -732.6 | -242.6 | 771.8 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 16.26 | 198.32 | 3,893.6 | -743.3 | -246.2 | 783.0 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Booth 6-23 |
| Company: | BAYSWATER EXPLORATION & PRODUCTION | TVD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Project: | SEC.23-T7N-R65W | MD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Site: | Booth 10 Pad Sec.23-T7N-R65W | North Reference: | True |
| Well: | Booth 6-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (5-07-12) | | |

| 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) |
| 4,040.0 | 16.26 | 198.32 | 3,932.0 | -753.9 | -249.7 | 794.2 | 0.00 | 0.00 | 0.00 |
| 4,080.0 | 16.26 | 198.32 | 3,970.4 | -764.5 | -253.2 | 805.4 | 0.00 | 0.00 | 0.00 |
| 4,120.0 | 16.26 | 198.32 | 4,008.8 | -775.2 | -256.7 | 816.6 | 0.00 | 0.00 | 0.00 |
| 4,160.0 | 16.26 | 198.32 | 4,047.2 | -785.8 | -260.2 | 827.8 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 16.26 | 198.32 | 4,085.6 | -796.4 | -263.8 | 839.0 | 0.00 | 0.00 | 0.00 |
| 4,240.0 | 16.26 | 198.32 | 4,124.0 | -807.1 | -267.3 | 850.2 | 0.00 | 0.00 | 0.00 |
| 4,280.0 | 16.26 | 198.32 | 4,162.4 | -817.7 | -270.8 | 861.4 | 0.00 | 0.00 | 0.00 |
| 4,320.0 | 16.26 | 198.32 | 4,200.8 | -828.3 | -274.3 | 872.6 | 0.00 | 0.00 | 0.00 |
| 4,360.0 | 16.26 | 198.32 | 4,239.2 | -839.0 | -277.8 | 883.8 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 16.26 | 198.32 | 4,277.6 | -849.6 | -281.4 | 895.0 | 0.00 | 0.00 | 0.00 |
| 4,440.0 | 16.26 | 198.32 | 4,316.0 | -860.2 | -284.9 | 906.2 | 0.00 | 0.00 | 0.00 |
| 4,480.0 | 16.26 | 198.32 | 4,354.4 | -870.9 | -288.4 | 917.4 | 0.00 | 0.00 | 0.00 |
| 4,520.0 | 16.26 | 198.32 | 4,392.8 | -881.5 | -291.9 | 928.6 | 0.00 | 0.00 | 0.00 |
| 4,560.0 | 16.26 | 198.32 | 4,431.2 | -892.1 | -295.5 | 939.8 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 16.26 | 198.32 | 4,469.6 | -902.8 | -299.0 | 951.0 | 0.00 | 0.00 | 0.00 |
| 4,640.0 | 16.26 | 198.32 | 4,508.0 | -913.4 | -302.5 | 962.2 | 0.00 | 0.00 | 0.00 |
| 4,680.0 | 16.26 | 198.32 | 4,546.4 | -924.0 | -306.0 | 973.4 | 0.00 | 0.00 | 0.00 |
| 4,719.1 | 16.26 | 198.32 | 4,584.0 | -934.4 | -309.5 | 984.3 | 0.00 | 0.00 | 0.00 |
| SUSSEX | | | | | | | | | |
| 4,720.0 | 16.26 | 198.32 | 4,584.8 | -934.7 | -309.5 | 984.6 | 0.00 | 0.00 | 0.00 |
| 4,760.0 | 16.26 | 198.32 | 4,623.2 | -945.3 | -313.1 | 995.8 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 16.26 | 198.32 | 4,661.6 | -955.9 | -316.6 | 1,007.0 | 0.00 | 0.00 | 0.00 |
| 4,840.0 | 16.26 | 198.32 | 4,700.0 | -966.6 | -320.1 | 1,018.2 | 0.00 | 0.00 | 0.00 |
| 4,880.0 | 16.26 | 198.32 | 4,738.4 | -977.2 | -323.6 | 1,029.4 | 0.00 | 0.00 | 0.00 |
| 4,920.0 | 16.26 | 198.32 | 4,776.8 | -987.8 | -327.1 | 1,040.6 | 0.00 | 0.00 | 0.00 |
| 4,960.0 | 16.26 | 198.32 | 4,815.2 | -998.5 | -330.7 | 1,051.8 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 16.26 | 198.32 | 4,853.6 | -1,009.1 | -334.2 | 1,063.0 | 0.00 | 0.00 | 0.00 |
| 5,040.0 | 16.26 | 198.32 | 4,892.0 | -1,019.7 | -337.7 | 1,074.2 | 0.00 | 0.00 | 0.00 |
| 5,080.0 | 16.26 | 198.32 | 4,930.4 | -1,030.3 | -341.2 | 1,085.4 | 0.00 | 0.00 | 0.00 |
| 5,120.0 | 16.26 | 198.32 | 4,968.8 | -1,041.0 | -344.8 | 1,096.6 | 0.00 | 0.00 | 0.00 |
| 5,150.2 | 16.26 | 198.32 | 4,997.8 | -1,049.0 | -347.4 | 1,105.0 | 0.00 | 0.00 | 0.00 |
| 5,160.0 | 16.06 | 198.32 | 5,007.2 | -1,051.6 | -348.3 | 1,107.8 | 2.00 | -2.00 | 0.00 |
| 5,200.0 | 15.26 | 198.32 | 5,045.8 | -1,061.9 | -351.7 | 1,118.6 | 2.00 | -2.00 | 0.00 |
| 5,240.0 | 14.46 | 198.32 | 5,084.4 | -1,071.6 | -354.9 | 1,128.8 | 2.00 | -2.00 | 0.00 |
| 5,280.0 | 13.66 | 198.32 | 5,123.2 | -1,080.8 | -357.9 | 1,138.6 | 2.00 | -2.00 | 0.00 |
| 5,291.1 | 13.44 | 198.32 | 5,134.0 | -1,083.3 | -358.8 | 1,141.1 | 2.00 | -2.00 | 0.00 |
| SHANNON | | | | | | | | | |
| 5,320.0 | 12.86 | 198.32 | 5,162.2 | -1,089.5 | -360.8 | 1,147.7 | 2.00 | -2.00 | 0.00 |
| 5,360.0 | 12.06 | 198.32 | 5,201.2 | -1,097.7 | -363.5 | 1,156.4 | 2.00 | -2.00 | 0.00 |
| 5,400.0 | 11.26 | 198.32 | 5,240.4 | -1,105.4 | -366.1 | 1,164.4 | 2.00 | -2.00 | 0.00 |
| 5,440.0 | 10.46 | 198.32 | 5,279.7 | -1,112.6 | -368.5 | 1,172.0 | 2.00 | -2.00 | 0.00 |
| 5,480.0 | 9.66 | 198.32 | 5,319.1 | -1,119.2 | -370.7 | 1,179.0 | 2.00 | -2.00 | 0.00 |
| 5,520.0 | 8.86 | 198.32 | 5,358.5 | -1,125.3 | -372.7 | 1,185.4 | 2.00 | -2.00 | 0.00 |
| 5,560.0 | 8.06 | 198.32 | 5,398.1 | -1,130.9 | -374.5 | 1,191.3 | 2.00 | -2.00 | 0.00 |
| 5,600.0 | 7.26 | 198.32 | 5,437.7 | -1,136.0 | -376.2 | 1,196.6 | 2.00 | -2.00 | 0.00 |
| 5,640.0 | 6.46 | 198.32 | 5,477.4 | -1,140.5 | -377.7 | 1,201.4 | 2.00 | -2.00 | 0.00 |
| 5,680.0 | 5.66 | 198.32 | 5,517.2 | -1,144.5 | -379.0 | 1,205.6 | 2.00 | -2.00 | 0.00 |
| 5,720.0 | 4.86 | 198.32 | 5,557.1 | -1,148.0 | -380.2 | 1,209.3 | 2.00 | -2.00 | 0.00 |
| 5,760.0 | 4.06 | 198.32 | 5,596.9 | -1,151.0 | -381.2 | 1,212.4 | 2.00 | -2.00 | 0.00 |
| 5,800.0 | 3.26 | 198.32 | 5,636.9 | -1,153.4 | -382.0 | 1,215.0 | 2.00 | -2.00 | 0.00 |
| 5,840.0 | 2.46 | 198.32 | 5,676.8 | -1,155.3 | -382.6 | 1,217.0 | 2.00 | -2.00 | 0.00 |
| 5,880.0 | 1.66 | 198.32 | 5,716.8 | -1,156.6 | -383.1 | 1,218.4 | 2.00 | -2.00 | 0.00 |
| 5,920.0 | 0.86 | 198.32 | 5,756.8 | -1,157.5 | -383.3 | 1,219.3 | 2.00 | -2.00 | 0.00 |

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Booth 6-23 |
| Company: | BAYSWATER EXPLORATION & PRODUCTION | TVD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Project: | SEC.23-T7N-R65W | MD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Site: | Booth 10 Pad Sec.23-T7N-R65W | North Reference: | True |
| Well: | Booth 6-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (5-07-12) | | |

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) |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 5,960.0 | 0.06 | 198.32 | 5,796.8 | -1,157.8 | -383.4 | 1,219.6 | 2.00 | -2.00 | 0.00 |
| 5,963.2 | 0.00 | 0.00 | 5,800.0 | -1,157.8 | -383.4 | 1,219.6 | 2.00 | -2.00 | 4,993.56 |
| TARGET BHL 1672'FNL, 1998'FWL | | | | | | | | | |
| 6,000.0 | 0.00 | 0.00 | 5,836.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,040.0 | 0.00 | 0.00 | 5,876.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,080.0 | 0.00 | 0.00 | 5,916.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,120.0 | 0.00 | 0.00 | 5,956.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,160.0 | 0.00 | 0.00 | 5,996.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 0.00 | 0.00 | 6,036.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,240.0 | 0.00 | 0.00 | 6,076.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,280.0 | 0.00 | 0.00 | 6,116.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,320.0 | 0.00 | 0.00 | 6,156.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,360.0 | 0.00 | 0.00 | 6,196.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 0.00 | 0.00 | 6,236.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,440.0 | 0.00 | 0.00 | 6,276.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,480.0 | 0.00 | 0.00 | 6,316.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,520.0 | 0.00 | 0.00 | 6,356.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,560.0 | 0.00 | 0.00 | 6,396.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 0.00 | 0.00 | 6,436.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,640.0 | 0.00 | 0.00 | 6,476.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,680.0 | 0.00 | 0.00 | 6,516.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,720.0 | 0.00 | 0.00 | 6,556.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,760.0 | 0.00 | 0.00 | 6,596.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 0.00 | 0.00 | 6,636.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,840.0 | 0.00 | 0.00 | 6,676.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,880.0 | 0.00 | 0.00 | 6,716.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,920.0 | 0.00 | 0.00 | 6,756.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 6,960.0 | 0.00 | 0.00 | 6,796.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 0.00 | 0.00 | 6,836.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,040.0 | 0.00 | 0.00 | 6,876.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,080.0 | 0.00 | 0.00 | 6,916.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,097.2 | 0.00 | 0.00 | 6,934.0 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| NIOBRARA - TARGET CIRCLE 1672'FNL & 1998'FWL - LEGAL BOX 400' X 400' 1664'FNL & 2017'FWL | | | | | | | | | |
| 7,120.0 | 0.00 | 0.00 | 6,956.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,160.0 | 0.00 | 0.00 | 6,996.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 0.00 | 0.00 | 7,036.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,240.0 | 0.00 | 0.00 | 7,076.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,280.0 | 0.00 | 0.00 | 7,116.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,320.0 | 0.00 | 0.00 | 7,156.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,349.2 | 0.00 | 0.00 | 7,186.0 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| FT. HAYS | | | | | | | | | |
| 7,360.0 | 0.00 | 0.00 | 7,196.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,393.2 | 0.00 | 0.00 | 7,230.0 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| CODELL | | | | | | | | | |
| 7,400.0 | 0.00 | 0.00 | 7,236.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,440.0 | 0.00 | 0.00 | 7,276.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,445.2 | 0.00 | 0.00 | 7,282.0 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| GREENHORN | | | | | | | | | |
| 7,480.0 | 0.00 | 0.00 | 7,316.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,520.0 | 0.00 | 0.00 | 7,356.8 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| 7,527.2 | 0.00 | 0.00 | 7,364.0 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |
| GRANEROS | | | | | | | | | |

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well Booth 6-23 |
| Company: | BAYSWATER EXPLORATION & PRODUCTION | TVD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Project: | SEC.23-T7N-R65W | MD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Site: | Booth 10 Pad Sec.23-T7N-R65W | North Reference: | True |
| Well: | Booth 6-23 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (5-07-12) | | |

| 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) |
| 7,543.2 | 0.00 | 0.00 | 7,380.0 | -1,157.8 | -383.4 | 1,219.6 | 0.00 | 0.00 | 0.00 |

| Targets | | | | | | | | | |
|-----------------------|--|---------------|--------------|----------|------------|------------|---------------|--------------|-----------------------|
| Target Name | - hit/miss target | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | |
| - Shape | | | | | | | | | Latitude Longitude |
| TARGET CIRCLE 167 | - plan hits target center | 0.00 | 0.00 | 6,934.0 | -1,157.8 | -383.4 | 1,448,670.86 | 3,241,014.86 | 40.561765 -104.632545 |
| | - Circle (radius 75.0) | | | | | | | | |
| LEGAL BOX 400' X 400' | - plan misses target center by 20.7ft at 7097.2ft MD (6934.0 TVD, -1157.8 N, -383.4 E) | 0.00 | 0.00 | 6,934.0 | -1,149.8 | -364.4 | 1,448,679.05 | 3,241,033.82 | 40.561787 -104.632476 |
| | - Rectangle (sides W400.0 H400.0 D446.0) | | | | | | | | |
| TARGET BHL 1672'F | - plan hits target center | 0.00 | 0.00 | 5,800.0 | -1,157.8 | -383.4 | 1,448,670.86 | 3,241,014.86 | 40.561765 -104.632545 |
| | - Point | | | | | | | | |

| Casing Points | | | | | |
|---------------------|---------------------|--------|---------------------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 645.0 | 645.0 | 8 5/8" | 8-5/8 | 12-1/4 | |

| Formations | | | | | | |
|---------------------|---------------------|-----------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 3,932.7 | 3,829.0 | PARKMAN | | 0.00 | | |
| 4,719.1 | 4,584.0 | SUSSEX | | 0.00 | | |
| 5,291.1 | 5,134.0 | SHANNON | | 0.00 | | |
| 7,097.2 | 6,934.0 | NIOBRARA | | 0.00 | | |
| 7,349.2 | 7,186.0 | FT. HAYS | | 0.00 | | |
| 7,393.2 | 7,230.0 | CODELL | | 0.00 | | |
| 7,445.2 | 7,282.0 | GREENHORN | | 0.00 | | |
| 7,527.2 | 7,364.0 | GRANEROS | | 0.00 | | |



BAYSWATER EXPLORATION & PRODUCTION

SEC.23-T7N-R65W

Booth 10 Pad Sec.23-T7N-R65W

Booth 6-23

Wellbore #1

Plan #1 (5-07-12)

Anticollision Report

11 May, 2012

| | | | |
|---------------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Company: | BAYSWATER EXPLORATION & PRODUCTION | Local Co-ordinate Reference: | Well Booth 6-23 |
| Project: | SEC.23-T7N-R65W | TVD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Reference Site: | Booth 10 Pad Sec.23-T7N-R65W | MD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Booth 6-23 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (5-07-12) | Offset TVD Reference: | Offset Datum |

| | | | |
|-------------------------------------|---|-----------------------|---------------------|
| Reference | Plan #1 (5-07-12) | | |
| Filter type: | NO GLOBAL FILTER: Using user defined selection & filtering criteria | | |
| Interpolation Method: | MD Interval 100.0ft | Error Model: | ISCWSA |
| Depth Range: | Unlimited | Scan Method: | Closest Approach 3D |
| Results Limited by: | Maximum center-center distance of 10,000.0ft | Error Surface: | Elliptical Conic |
| Warning Levels Evaluated at: | 2.00 Sigma | | |

| | | | | |
|----------------------------|----------------------|---------------------------------|------------------|--------------------|
| Survey Tool Program | Date 5/7/2012 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description |
| 0.0 | 7,543.2 | Plan #1 (5-07-12) (Wellbore #1) | MWD | MWD - Standard |

| | | | | | | |
|---|--------------------------------------|-----------------------------------|--------------------------------------|--------------------------|----------------|--------|
| Summary | | | | | | |
| Site Name | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Separation Factor | Warning | |
| Offset Well - Wellbore - Design | | | | | | |
| Booth 10 Pad Sec.23-T7N-R65W | | | | | | |
| Booth 21-23 - Wellbore #1 - Plan #1 (5-07-12) | 400.0 | 400.0 | 15.9 | 14.4 | 10.127 | CC, ES |
| Booth 21-23 - Wellbore #1 - Plan #1 (5-07-12) | 500.0 | 499.4 | 17.7 | 15.7 | 8.847 | SF |
| Booth 5-23 - Wellbore #1 - Plan #1 (5-07-12) | 327.2 | 327.2 | 15.8 | 14.6 | 12.867 | CC, ES |
| Booth 5-23 - Wellbore #1 - Plan #1 (5-07-12) | 500.0 | 499.2 | 20.4 | 18.3 | 10.141 | SF |

| | | | | | | | | | | | | |
|---|----------------------------|----------------------------|----------------------------|-----------------------|--------------------|------------------------------|--|-------------------|-----------------------------|------------------------------|--------------------------------|--------------------------|
| Offset Design Booth 10 Pad Sec.23-T7N-R65W - Booth 21-23 - Wellbore #1 - Plan #1 (5-07-12) | | | | | | | | | | | | |
| Survey Program: 0-MWD | | | | | | | | | | | | |
| Reference | Offset | Semi Major Axis | | | Distance | | | | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 159.59 | -14.9 | 5.6 | 15.9 | 15.9 | 0.00 | N/A |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 159.59 | -14.9 | 5.6 | 15.9 | 15.7 | 0.22 | 70.890 |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 159.59 | -14.9 | 5.6 | 15.9 | 15.3 | 0.67 | 23.630 |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.6 | 0.6 | 159.59 | -14.9 | 5.6 | 15.9 | 14.8 | 1.12 | 14.178 |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.8 | 0.8 | 159.59 | -14.9 | 5.6 | 15.9 | 14.4 | 1.57 | 10.127 CC, ES |
| 500.0 | 500.0 | 499.4 | 499.4 | 1.0 | 1.0 | 159.61 | -16.6 | 6.2 | 17.7 | 15.7 | 2.00 | 8.847 SF |
| 600.0 | 600.0 | 598.6 | 598.4 | 1.2 | 1.2 | 159.66 | -21.4 | 7.9 | 22.9 | 20.5 | 2.41 | 9.472 |
| 700.0 | 700.0 | 697.3 | 696.7 | 1.5 | 1.4 | 159.71 | -29.4 | 10.9 | 31.5 | 28.7 | 2.85 | 11.067 |
| 800.0 | 800.0 | 795.3 | 794.0 | 1.7 | 1.6 | 159.75 | -40.5 | 14.9 | 43.6 | 40.3 | 3.29 | 13.232 |
| 900.0 | 900.0 | 893.2 | 890.8 | 1.9 | 1.9 | -39.46 | -54.5 | 20.1 | 57.5 | 53.8 | 3.70 | 15.514 |
| 1,000.0 | 999.8 | 992.4 | 988.7 | 2.1 | 2.3 | -41.81 | -69.4 | 25.6 | 69.5 | 65.4 | 4.10 | 16.957 |
| 1,100.0 | 1,099.5 | 1,091.8 | 1,086.9 | 2.3 | 2.6 | -45.18 | -84.3 | 31.0 | 79.2 | 74.7 | 4.52 | 17.514 |
| 1,200.0 | 1,198.7 | 1,191.3 | 1,185.1 | 2.5 | 3.0 | -49.52 | -99.3 | 36.5 | 86.8 | 81.8 | 4.98 | 17.424 |
| 1,300.0 | 1,297.5 | 1,290.8 | 1,283.3 | 2.8 | 3.3 | -54.85 | -114.2 | 42.0 | 92.8 | 87.3 | 5.50 | 16.868 |
| 1,400.0 | 1,395.6 | 1,390.1 | 1,381.3 | 3.1 | 3.7 | -61.23 | -129.1 | 47.5 | 97.8 | 91.7 | 6.11 | 16.005 |
| 1,500.0 | 1,493.1 | 1,489.1 | 1,479.0 | 3.4 | 4.1 | -68.67 | -144.0 | 52.9 | 102.7 | 95.8 | 6.84 | 15.004 |
| 1,600.0 | 1,589.6 | 1,587.6 | 1,576.3 | 3.9 | 4.4 | -77.04 | -158.8 | 58.4 | 108.3 | 100.6 | 7.71 | 14.050 |
| 1,700.0 | 1,685.7 | 1,685.9 | 1,673.3 | 4.3 | 4.8 | -85.55 | -173.5 | 63.8 | 115.9 | 107.3 | 8.66 | 13.381 |
| 1,800.0 | 1,781.7 | 1,784.2 | 1,770.3 | 4.8 | 5.2 | -92.93 | -188.3 | 69.2 | 125.8 | 116.2 | 9.62 | 13.076 |
| 1,900.0 | 1,877.7 | 1,882.5 | 1,867.3 | 5.4 | 5.5 | -99.17 | -203.0 | 74.6 | 137.5 | 126.9 | 10.56 | 13.025 |
| 2,000.0 | 1,973.6 | 1,980.7 | 1,964.3 | 5.9 | 5.9 | -104.40 | -217.8 | 80.1 | 150.6 | 139.1 | 11.46 | 13.137 |
| 2,100.0 | 2,069.6 | 2,079.0 | 2,061.3 | 6.4 | 6.3 | -108.78 | -232.6 | 85.5 | 164.7 | 152.3 | 12.34 | 13.349 |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

| | | | |
|---------------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Company: | BAYSWATER EXPLORATION & PRODUCTION | Local Co-ordinate Reference: | Well Booth 6-23 |
| Project: | SEC.23-T7N-R65W | TVD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Reference Site: | Booth 10 Pad Sec.23-T7N-R65W | MD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Booth 6-23 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (5-07-12) | Offset TVD Reference: | Offset Datum |

| Offset Design Booth 10 Pad Sec.23-T7N-R65W - Booth 21-23 - Wellbore #1 - Plan #1 (5-07-12) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------|--------|-----------------|-----------------------|-----------------------------------|-----------------------------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference | Offset | Semi Major Axis | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | Offset Wellbore Centre +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning |
| 2,200.0 | 2,165.6 | 2,177.3 | 2,158.3 | 7.0 | 6.6 | -112.46 | | -247.3 | 90.9 | 179.6 | 166.4 | 13.19 | 13.620 | |
| 2,300.0 | 2,261.6 | 2,275.5 | 2,255.3 | 7.5 | 7.0 | -115.57 | | -262.1 | 96.3 | 195.1 | 181.1 | 14.02 | 13.922 | |
| 2,400.0 | 2,357.6 | 2,373.8 | 2,352.3 | 8.1 | 7.4 | -118.21 | | -276.8 | 101.7 | 211.1 | 196.3 | 14.83 | 14.238 | |
| 2,500.0 | 2,453.6 | 2,472.1 | 2,449.3 | 8.6 | 7.8 | -120.49 | | -291.6 | 107.1 | 227.5 | 211.9 | 15.63 | 14.557 | |
| 2,600.0 | 2,549.6 | 2,570.3 | 2,546.4 | 9.2 | 8.1 | -122.46 | | -306.3 | 112.6 | 244.2 | 227.8 | 16.42 | 14.871 | |
| 2,700.0 | 2,645.6 | 2,668.6 | 2,643.4 | 9.8 | 8.5 | -124.17 | | -321.1 | 118.0 | 261.2 | 244.0 | 17.21 | 15.176 | |
| 2,800.0 | 2,741.6 | 2,766.9 | 2,740.4 | 10.3 | 8.9 | -125.68 | | -335.8 | 123.4 | 278.3 | 260.4 | 17.99 | 15.471 | |
| 2,900.0 | 2,837.6 | 2,865.2 | 2,837.4 | 10.9 | 9.3 | -127.01 | | -350.6 | 128.8 | 295.7 | 276.9 | 18.77 | 15.754 | |
| 3,000.0 | 2,933.6 | 2,963.4 | 2,934.4 | 11.5 | 9.6 | -128.19 | | -365.4 | 134.2 | 313.1 | 293.6 | 19.54 | 16.024 | |
| 3,100.0 | 3,029.6 | 3,061.7 | 3,031.4 | 12.0 | 10.0 | -129.25 | | -380.1 | 139.7 | 330.7 | 310.4 | 20.31 | 16.281 | |
| 3,200.0 | 3,125.6 | 3,160.0 | 3,128.4 | 12.6 | 10.4 | -130.20 | | -394.9 | 145.1 | 348.4 | 327.3 | 21.08 | 16.526 | |
| 3,300.0 | 3,221.6 | 3,258.2 | 3,225.4 | 13.2 | 10.8 | -131.06 | | -409.6 | 150.5 | 366.1 | 344.3 | 21.85 | 16.758 | |
| 3,400.0 | 3,317.6 | 3,356.5 | 3,322.4 | 13.7 | 11.1 | -131.84 | | -424.4 | 155.9 | 383.9 | 361.3 | 22.61 | 16.979 | |
| 3,500.0 | 3,413.6 | 3,454.8 | 3,419.4 | 14.3 | 11.5 | -132.56 | | -439.1 | 161.3 | 401.8 | 378.4 | 23.38 | 17.189 | |
| 3,600.0 | 3,509.6 | 3,553.0 | 3,516.4 | 14.9 | 11.9 | -133.21 | | -453.9 | 166.7 | 419.8 | 395.6 | 24.14 | 17.389 | |
| 3,700.0 | 3,605.6 | 3,651.3 | 3,613.4 | 15.5 | 12.3 | -133.81 | | -468.6 | 172.2 | 437.8 | 412.9 | 24.90 | 17.578 | |
| 3,800.0 | 3,701.6 | 3,749.6 | 3,710.4 | 16.0 | 12.7 | -134.36 | | -483.4 | 177.6 | 455.8 | 430.1 | 25.67 | 17.759 | |
| 3,900.0 | 3,797.6 | 3,847.9 | 3,807.4 | 16.6 | 13.0 | -134.86 | | -498.1 | 183.0 | 473.9 | 447.4 | 26.43 | 17.930 | |
| 4,000.0 | 3,893.6 | 3,946.1 | 3,904.4 | 17.2 | 13.4 | -135.34 | | -512.9 | 188.4 | 492.0 | 464.8 | 27.19 | 18.094 | |
| 4,100.0 | 3,989.6 | 4,044.4 | 4,001.4 | 17.8 | 13.8 | -135.77 | | -527.7 | 193.8 | 510.1 | 482.2 | 27.95 | 18.250 | |
| 4,200.0 | 4,085.6 | 4,142.7 | 4,098.4 | 18.4 | 14.2 | -136.18 | | -542.4 | 199.2 | 528.3 | 499.6 | 28.71 | 18.398 | |
| 4,300.0 | 4,181.6 | 4,240.9 | 4,195.4 | 18.9 | 14.5 | -136.56 | | -557.2 | 204.7 | 546.5 | 517.0 | 29.47 | 18.540 | |
| 4,400.0 | 4,277.6 | 4,339.2 | 4,292.4 | 19.5 | 14.9 | -136.92 | | -571.9 | 210.1 | 564.7 | 534.4 | 30.24 | 18.676 | |
| 4,500.0 | 4,373.6 | 4,437.5 | 4,389.4 | 20.1 | 15.3 | -137.25 | | -586.7 | 215.5 | 582.9 | 551.9 | 31.00 | 18.805 | |
| 4,600.0 | 4,469.6 | 4,535.7 | 4,486.4 | 20.7 | 15.7 | -137.57 | | -601.4 | 220.9 | 601.1 | 569.4 | 31.76 | 18.929 | |
| 4,700.0 | 4,565.6 | 4,632.4 | 4,581.9 | 21.2 | 16.0 | -137.88 | | -615.7 | 226.2 | 619.5 | 587.0 | 32.46 | 19.083 | |
| 4,800.0 | 4,661.6 | 4,726.6 | 4,675.3 | 21.8 | 16.2 | -138.41 | | -627.1 | 230.4 | 638.3 | 605.3 | 33.03 | 19.325 | |
| 4,900.0 | 4,757.6 | 4,820.2 | 4,768.4 | 22.4 | 16.4 | -139.17 | | -635.7 | 233.5 | 657.8 | 624.3 | 33.52 | 19.627 | |
| 5,000.0 | 4,853.6 | 4,912.8 | 4,860.9 | 23.0 | 16.6 | -140.13 | | -641.3 | 235.6 | 678.2 | 644.3 | 33.92 | 19.992 | |
| 5,100.0 | 4,949.6 | 5,004.4 | 4,952.4 | 23.6 | 16.7 | -141.27 | | -644.1 | 236.6 | 699.5 | 665.2 | 34.25 | 20.423 | |
| 5,200.0 | 5,045.6 | 5,097.8 | 5,045.8 | 24.1 | 16.8 | -142.69 | | -644.5 | 236.7 | 721.4 | 686.9 | 34.50 | 20.908 | |
| 5,300.0 | 5,142.7 | 5,194.7 | 5,142.7 | 24.5 | 16.9 | -144.07 | | -644.5 | 236.7 | 741.4 | 706.7 | 34.67 | 21.382 | |
| 5,400.0 | 5,240.4 | 5,292.4 | 5,240.4 | 24.8 | 17.1 | -145.21 | | -644.5 | 236.7 | 758.8 | 724.0 | 34.86 | 21.770 | |
| 5,500.0 | 5,338.8 | 5,390.8 | 5,338.8 | 25.1 | 17.2 | -146.12 | | -644.5 | 236.7 | 773.6 | 738.6 | 35.05 | 22.074 | |
| 5,600.0 | 5,437.7 | 5,489.7 | 5,437.7 | 25.3 | 17.3 | -146.84 | | -644.5 | 236.7 | 785.7 | 750.4 | 35.24 | 22.293 | |
| 5,700.0 | 5,537.1 | 5,589.1 | 5,537.1 | 25.6 | 17.4 | -147.37 | | -644.5 | 236.7 | 794.8 | 759.4 | 35.44 | 22.429 | |
| 5,800.0 | 5,636.9 | 5,688.8 | 5,636.9 | 25.7 | 17.5 | -147.72 | | -644.5 | 236.7 | 801.1 | 765.5 | 35.63 | 22.484 | |
| 5,900.0 | 5,736.8 | 5,788.8 | 5,736.8 | 25.9 | 17.7 | -147.91 | | -644.5 | 236.7 | 804.5 | 768.6 | 35.82 | 22.458 | |
| 6,000.0 | 5,836.8 | 5,888.8 | 5,836.8 | 26.0 | 17.8 | 50.38 | | -644.5 | 236.7 | 805.1 | 769.0 | 36.05 | 22.335 | |
| 6,100.0 | 5,936.8 | 5,988.8 | 5,936.8 | 26.1 | 17.9 | 50.38 | | -644.5 | 236.7 | 805.1 | 768.8 | 36.30 | 22.176 | |
| 6,200.0 | 6,036.8 | 6,088.8 | 6,036.8 | 26.2 | 18.1 | 50.38 | | -644.5 | 236.7 | 805.1 | 768.5 | 36.56 | 22.017 | |
| 6,300.0 | 6,136.8 | 6,188.8 | 6,136.8 | 26.2 | 18.2 | 50.38 | | -644.5 | 236.7 | 805.1 | 768.2 | 36.83 | 21.858 | |
| 6,400.0 | 6,236.8 | 6,288.8 | 6,236.8 | 26.3 | 18.3 | 50.38 | | -644.5 | 236.7 | 805.1 | 768.0 | 37.10 | 21.700 | |
| 6,500.0 | 6,336.8 | 6,388.8 | 6,336.8 | 26.4 | 18.5 | 50.38 | | -644.5 | 236.7 | 805.1 | 767.7 | 37.37 | 21.542 | |
| 6,600.0 | 6,436.8 | 6,488.8 | 6,436.8 | 26.5 | 18.6 | 50.38 | | -644.5 | 236.7 | 805.1 | 767.4 | 37.65 | 21.384 | |
| 6,700.0 | 6,536.8 | 6,588.8 | 6,536.8 | 26.6 | 18.8 | 50.38 | | -644.5 | 236.7 | 805.1 | 767.1 | 37.93 | 21.227 | |
| 6,800.0 | 6,636.8 | 6,688.8 | 6,636.8 | 26.7 | 18.9 | 50.38 | | -644.5 | 236.7 | 805.1 | 766.8 | 38.21 | 21.070 | |
| 6,900.0 | 6,736.8 | 6,788.8 | 6,736.8 | 26.8 | 19.1 | 50.38 | | -644.5 | 236.7 | 805.1 | 766.6 | 38.49 | 20.913 | |
| 7,000.0 | 6,836.8 | 6,888.8 | 6,836.8 | 26.9 | 19.2 | 50.38 | | -644.5 | 236.7 | 805.1 | 766.3 | 38.78 | 20.758 | |
| 7,100.0 | 6,936.8 | 6,988.8 | 6,936.8 | 27.0 | 19.3 | 50.38 | | -644.5 | 236.7 | 805.1 | 766.0 | 39.07 | 20.603 | |
| 7,200.0 | 7,036.8 | 7,088.8 | 7,036.8 | 27.1 | 19.5 | 50.38 | | -644.5 | 236.7 | 805.1 | 765.7 | 39.37 | 20.449 | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

| | | | |
|---------------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Company: | BAYSWATER EXPLORATION & PRODUCTION | Local Co-ordinate Reference: | Well Booth 6-23 |
| Project: | SEC.23-T7N-R65W | TVD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Reference Site: | Booth 10 Pad Sec.23-T7N-R65W | MD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Booth 6-23 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (5-07-12) | Offset TVD Reference: | Offset Datum |

| Offset Design Booth 10 Pad Sec.23-T7N-R65W - Booth 21-23 - Wellbore #1 - Plan #1 (5-07-12) | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|-----------------------------------|----------------------|-----------------------|-------------------------|---------------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | Offset | Semi Major Axis | | Distance | | | | | | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | Offset Wellbore Centre +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning |
| 7,300.0 | 7,136.8 | 7,188.8 | 7,136.8 | 27.2 | 19.6 | 50.38 | -644.5 | 236.7 | 805.1 | 765.4 | 39.67 | 20.295 | |
| 7,400.0 | 7,236.8 | 7,288.8 | 7,236.8 | 27.3 | 19.8 | 50.38 | -644.5 | 236.7 | 805.1 | 765.1 | 39.97 | 20.143 | |
| 7,500.0 | 7,336.8 | 7,388.8 | 7,336.8 | 27.4 | 20.0 | 50.38 | -644.5 | 236.7 | 805.1 | 764.8 | 40.27 | 19.991 | |
| 7,543.2 | 7,380.0 | 7,432.0 | 7,380.0 | 27.5 | 20.0 | 50.38 | -644.5 | 236.7 | 805.1 | 764.7 | 40.40 | 19.926 | |

| | | | |
|---------------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Company: | BAYSWATER EXPLORATION & PRODUCTION | Local Co-ordinate Reference: | Well Booth 6-23 |
| Project: | SEC.23-T7N-R65W | TVD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Reference Site: | Booth 10 Pad Sec.23-T7N-R65W | MD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Booth 6-23 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (5-07-12) | Offset TVD Reference: | Offset Datum |

| Offset Design Booth 10 Pad Sec.23-T7N-R65W - Booth 5-23 - Wellbore #1 - Plan #1 (5-07-12) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------|--------|-----------------|-----------------------|-----------------------------------|-----------------------------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference | Offset | Semi Major Axis | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | Offset Wellbore Centre +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -21.34 | -21.34 | 14.9 | -5.8 | 16.0 | 16.0 | 0.00 | N/A | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | -21.34 | -21.34 | 14.9 | -5.8 | 16.0 | 15.8 | 0.22 | 71.347 | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | -21.34 | -21.34 | 14.9 | -5.8 | 16.0 | 15.4 | 0.67 | 23.782 | |
| 300.0 | 300.0 | 300.1 | 300.0 | 0.6 | 0.5 | -27.58 | -27.58 | 14.0 | -7.3 | 15.8 | 14.7 | 1.11 | 14.293 | |
| 327.2 | 327.2 | 327.2 | 327.2 | 0.6 | 0.6 | -31.48 | -31.48 | 13.5 | -8.2 | 15.8 | 14.6 | 1.23 | 12.867 CC, ES | |
| 400.0 | 400.0 | 399.9 | 399.7 | 0.8 | 0.8 | -46.19 | -46.19 | 11.3 | -11.8 | 16.3 | 14.8 | 1.55 | 10.548 | |
| 500.0 | 500.0 | 499.2 | 498.7 | 1.0 | 1.0 | -70.49 | -70.49 | 6.8 | -19.1 | 20.4 | 18.3 | 2.01 | 10.141 SF | |
| 600.0 | 600.0 | 597.8 | 596.5 | 1.2 | 1.3 | -88.96 | -88.96 | 0.5 | -29.4 | 29.6 | 27.1 | 2.47 | 11.982 | |
| 700.0 | 700.0 | 695.5 | 693.0 | 1.5 | 1.6 | -99.91 | -99.91 | -7.4 | -42.3 | 43.5 | 40.6 | 2.93 | 14.853 | |
| 800.0 | 800.0 | 792.0 | 787.8 | 1.7 | 2.0 | -106.30 | -106.30 | -16.9 | -57.8 | 61.5 | 58.1 | 3.40 | 18.091 | |
| 900.0 | 900.0 | 887.5 | 880.9 | 1.9 | 2.4 | 52.07 | 52.07 | -27.9 | -75.8 | 82.0 | 78.1 | 3.86 | 21.233 | |
| 1,000.0 | 999.8 | 982.1 | 972.4 | 2.1 | 2.9 | 51.10 | 51.10 | -40.5 | -96.3 | 103.7 | 99.4 | 4.30 | 24.132 | |
| 1,100.0 | 1,099.5 | 1,075.8 | 1,062.2 | 2.3 | 3.4 | 51.28 | 51.28 | -54.4 | -119.1 | 126.4 | 121.7 | 4.76 | 26.534 | |
| 1,200.0 | 1,198.7 | 1,168.5 | 1,150.2 | 2.5 | 4.0 | 52.05 | 52.05 | -69.8 | -144.1 | 150.2 | 144.9 | 5.27 | 28.475 | |
| 1,300.0 | 1,297.5 | 1,260.2 | 1,236.2 | 2.8 | 4.7 | 53.13 | 53.13 | -86.4 | -171.2 | 174.9 | 169.1 | 5.84 | 29.973 | |
| 1,400.0 | 1,395.6 | 1,350.9 | 1,320.2 | 3.1 | 5.4 | 54.37 | 54.37 | -104.2 | -200.3 | 200.8 | 194.4 | 6.46 | 31.091 | |
| 1,500.0 | 1,493.1 | 1,444.8 | 1,406.2 | 3.4 | 6.1 | 55.82 | 55.82 | -123.8 | -232.3 | 227.3 | 220.1 | 7.18 | 31.635 | |
| 1,600.0 | 1,589.6 | 1,541.2 | 1,494.5 | 3.9 | 6.9 | 57.59 | 57.59 | -144.1 | -265.4 | 252.3 | 244.3 | 8.01 | 31.490 | |
| 1,700.0 | 1,685.7 | 1,637.7 | 1,582.9 | 4.3 | 7.7 | 59.73 | 59.73 | -164.3 | -298.5 | 276.6 | 267.7 | 8.95 | 30.901 | |
| 1,800.0 | 1,781.7 | 1,734.2 | 1,671.2 | 4.8 | 8.5 | 61.58 | 61.58 | -184.6 | -331.5 | 301.2 | 291.3 | 9.94 | 30.296 | |
| 1,900.0 | 1,877.7 | 1,830.7 | 1,759.6 | 5.4 | 9.3 | 63.15 | 63.15 | -204.8 | -364.6 | 326.1 | 315.1 | 10.97 | 29.721 | |
| 2,000.0 | 1,973.6 | 1,927.2 | 1,847.9 | 5.9 | 10.1 | 64.50 | 64.50 | -225.1 | -397.7 | 351.1 | 339.1 | 12.03 | 29.193 | |
| 2,100.0 | 2,069.6 | 2,023.7 | 1,936.3 | 6.4 | 10.9 | 65.67 | 65.67 | -245.4 | -430.8 | 376.4 | 363.2 | 13.11 | 28.713 | |
| 2,200.0 | 2,165.6 | 2,120.2 | 2,024.7 | 7.0 | 11.8 | 66.69 | 66.69 | -265.6 | -463.8 | 401.7 | 387.5 | 14.20 | 28.282 | |
| 2,300.0 | 2,261.6 | 2,216.7 | 2,113.0 | 7.5 | 12.6 | 67.59 | 67.59 | -285.9 | -496.9 | 427.1 | 411.8 | 15.31 | 27.895 | |
| 2,400.0 | 2,357.6 | 2,313.2 | 2,201.4 | 8.1 | 13.4 | 68.39 | 68.39 | -306.2 | -530.0 | 452.7 | 436.2 | 16.43 | 27.547 | |
| 2,500.0 | 2,453.6 | 2,409.7 | 2,289.8 | 8.6 | 14.2 | 69.11 | 69.11 | -326.4 | -563.1 | 478.3 | 460.7 | 17.56 | 27.235 | |
| 2,600.0 | 2,549.6 | 2,506.2 | 2,378.1 | 9.2 | 15.0 | 69.75 | 69.75 | -346.7 | -596.1 | 503.9 | 485.2 | 18.70 | 26.953 | |
| 2,700.0 | 2,645.6 | 2,602.7 | 2,466.5 | 9.8 | 15.8 | 70.33 | 70.33 | -366.9 | -629.2 | 529.7 | 509.8 | 19.84 | 26.698 | |
| 2,800.0 | 2,741.6 | 2,699.2 | 2,554.8 | 10.3 | 16.7 | 70.86 | 70.86 | -387.2 | -662.3 | 555.4 | 534.5 | 20.99 | 26.468 | |
| 2,900.0 | 2,837.6 | 2,795.7 | 2,643.2 | 10.9 | 17.5 | 71.34 | 71.34 | -407.5 | -695.4 | 581.3 | 559.1 | 22.14 | 26.257 | |
| 3,000.0 | 2,933.6 | 2,892.2 | 2,731.6 | 11.5 | 18.3 | 71.78 | 71.78 | -427.7 | -728.4 | 607.1 | 583.8 | 23.29 | 26.066 | |
| 3,100.0 | 3,029.6 | 2,988.7 | 2,819.9 | 12.0 | 19.1 | 72.18 | 72.18 | -448.0 | -761.5 | 633.0 | 608.5 | 24.45 | 25.890 | |
| 3,200.0 | 3,125.6 | 3,085.2 | 2,908.3 | 12.6 | 19.9 | 72.55 | 72.55 | -468.2 | -794.6 | 658.9 | 633.3 | 25.61 | 25.729 | |
| 3,300.0 | 3,221.6 | 3,181.7 | 2,996.7 | 13.2 | 20.8 | 72.90 | 72.90 | -488.5 | -827.7 | 684.8 | 658.0 | 26.77 | 25.581 | |
| 3,400.0 | 3,317.6 | 3,278.2 | 3,085.0 | 13.7 | 21.6 | 73.22 | 73.22 | -508.8 | -860.7 | 710.7 | 682.8 | 27.93 | 25.444 | |
| 3,500.0 | 3,413.6 | 3,374.7 | 3,173.4 | 14.3 | 22.4 | 73.51 | 73.51 | -529.0 | -893.8 | 736.7 | 707.6 | 29.10 | 25.317 | |
| 3,600.0 | 3,509.6 | 3,471.2 | 3,261.8 | 14.9 | 23.2 | 73.79 | 73.79 | -549.3 | -926.9 | 762.7 | 732.4 | 30.27 | 25.199 | |
| 3,700.0 | 3,605.6 | 3,567.7 | 3,350.1 | 15.5 | 24.1 | 74.05 | 74.05 | -569.6 | -960.0 | 788.7 | 757.3 | 31.44 | 25.089 | |
| 3,800.0 | 3,701.6 | 3,664.2 | 3,438.5 | 16.0 | 24.9 | 74.29 | 74.29 | -589.8 | -993.0 | 814.7 | 782.1 | 32.61 | 24.987 | |
| 3,900.0 | 3,797.6 | 3,760.7 | 3,526.8 | 16.6 | 25.7 | 74.52 | 74.52 | -610.1 | -1,026.1 | 840.7 | 807.0 | 33.78 | 24.891 | |
| 4,000.0 | 3,893.6 | 3,857.2 | 3,615.2 | 17.2 | 26.5 | 74.73 | 74.73 | -630.3 | -1,059.2 | 866.8 | 831.8 | 34.95 | 24.802 | |
| 4,100.0 | 3,989.6 | 3,953.7 | 3,703.6 | 17.8 | 27.3 | 74.93 | 74.93 | -650.6 | -1,092.3 | 892.8 | 856.7 | 36.12 | 24.718 | |
| 4,200.0 | 4,085.6 | 4,050.2 | 3,791.9 | 18.4 | 28.2 | 75.12 | 75.12 | -670.9 | -1,125.3 | 918.9 | 881.6 | 37.29 | 24.639 | |
| 4,300.0 | 4,181.6 | 4,146.7 | 3,880.3 | 18.9 | 29.0 | 75.30 | 75.30 | -691.1 | -1,158.4 | 945.0 | 906.5 | 38.47 | 24.565 | |
| 4,400.0 | 4,277.6 | 4,243.2 | 3,968.7 | 19.5 | 29.8 | 75.47 | 75.47 | -711.4 | -1,191.5 | 971.0 | 931.4 | 39.64 | 24.495 | |
| 4,500.0 | 4,373.6 | 4,339.7 | 4,057.0 | 20.1 | 30.6 | 75.63 | 75.63 | -731.6 | -1,224.6 | 997.1 | 956.3 | 40.82 | 24.428 | |
| 4,600.0 | 4,469.6 | 4,436.2 | 4,145.4 | 20.7 | 31.5 | 75.78 | 75.78 | -751.9 | -1,257.6 | 1,023.2 | 981.2 | 41.99 | 24.366 | |
| 4,700.0 | 4,565.6 | 4,532.7 | 4,233.8 | 21.2 | 32.3 | 75.92 | 75.92 | -772.2 | -1,290.7 | 1,049.3 | 1,006.1 | 43.17 | 24.306 | |
| 4,800.0 | 4,661.6 | 4,629.2 | 4,322.1 | 21.8 | 33.1 | 76.06 | 76.06 | -792.4 | -1,323.8 | 1,075.4 | 1,031.1 | 44.35 | 24.250 | |
| 4,900.0 | 4,757.6 | 4,725.7 | 4,410.5 | 22.4 | 33.9 | 76.19 | 76.19 | -812.7 | -1,356.9 | 1,101.5 | 1,056.0 | 45.52 | 24.196 | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

| Booth 10 Pad Sec.23-T7N-R65W - Booth 5-23 - Wellbore #1 - Plan #1 (5-07-12) | | | | | | | | | | | | | Offset Site Error: 0.0 ft | |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|---------------------------|--|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: 0.0 ft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning | |
| 5,000.0 | 4,853.6 | 4,822.2 | 4,498.8 | 23.0 | 34.7 | 76.32 | -833.0 | -1,389.9 | 1,127.6 | 1,080.9 | 46.70 | 24.145 | | |
| 5,100.0 | 4,949.6 | 4,918.7 | 4,587.2 | 23.6 | 35.6 | 76.44 | -853.2 | -1,423.0 | 1,153.7 | 1,105.9 | 47.88 | 24.097 | | |
| 5,200.0 | 5,045.8 | 5,015.2 | 4,675.6 | 24.1 | 36.4 | 76.79 | -873.5 | -1,456.1 | 1,180.0 | 1,130.9 | 49.08 | 24.040 | | |
| 5,300.0 | 5,142.7 | 5,111.5 | 4,763.7 | 24.5 | 37.2 | 77.28 | -893.7 | -1,489.1 | 1,206.8 | 1,156.7 | 50.16 | 24.058 | | |
| 5,400.0 | 5,240.4 | 5,209.2 | 4,853.2 | 24.8 | 38.0 | 77.62 | -914.2 | -1,522.6 | 1,234.5 | 1,183.3 | 51.16 | 24.129 | | |
| 5,500.0 | 5,338.8 | 5,355.5 | 4,988.7 | 25.1 | 39.0 | 77.71 | -943.0 | -1,569.6 | 1,260.8 | 1,208.7 | 52.14 | 24.181 | | |
| 5,600.0 | 5,437.7 | 5,504.9 | 5,129.8 | 25.3 | 39.8 | 77.72 | -968.6 | -1,611.4 | 1,284.0 | 1,231.0 | 52.94 | 24.252 | | |
| 5,700.0 | 5,537.1 | 5,657.1 | 5,275.9 | 25.6 | 40.5 | 77.67 | -990.8 | -1,647.5 | 1,303.8 | 1,250.2 | 53.60 | 24.324 | | |
| 5,800.0 | 5,636.9 | 5,811.8 | 5,426.6 | 25.7 | 41.1 | 77.54 | -1,009.1 | -1,677.4 | 1,320.3 | 1,266.2 | 54.13 | 24.393 | | |
| 5,900.0 | 5,736.8 | 5,968.6 | 5,581.0 | 25.9 | 41.6 | 77.34 | -1,023.3 | -1,700.6 | 1,333.3 | 1,278.8 | 54.50 | 24.465 | | |
| 6,000.0 | 5,836.8 | 6,127.3 | 5,738.5 | 26.0 | 41.9 | -84.66 | -1,033.1 | -1,716.7 | 1,342.6 | 1,287.9 | 54.72 | 24.536 | | |
| 6,100.0 | 5,936.8 | 6,287.4 | 5,898.4 | 26.1 | 42.1 | -84.92 | -1,038.4 | -1,725.3 | 1,347.7 | 1,292.8 | 54.89 | 24.551 | | |
| 6,200.0 | 6,036.8 | 6,425.9 | 6,036.8 | 26.2 | 42.2 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,293.5 | 55.09 | 24.479 | | |
| 6,300.0 | 6,136.8 | 6,525.9 | 6,136.8 | 26.2 | 42.3 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,293.4 | 55.26 | 24.403 | | |
| 6,400.0 | 6,236.8 | 6,625.9 | 6,236.8 | 26.3 | 42.4 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,293.2 | 55.44 | 24.327 | | |
| 6,500.0 | 6,336.8 | 6,725.9 | 6,336.8 | 26.4 | 42.4 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,293.0 | 55.62 | 24.249 | | |
| 6,600.0 | 6,436.8 | 6,825.9 | 6,436.8 | 26.5 | 42.5 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,292.8 | 55.80 | 24.171 | | |
| 6,700.0 | 6,536.8 | 6,925.9 | 6,536.8 | 26.6 | 42.5 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,292.6 | 55.98 | 24.092 | | |
| 6,800.0 | 6,636.8 | 7,025.9 | 6,636.8 | 26.7 | 42.6 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,292.5 | 56.16 | 24.012 | | |
| 6,900.0 | 6,736.8 | 7,125.9 | 6,736.8 | 26.8 | 42.7 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,292.3 | 56.35 | 23.931 | | |
| 7,000.0 | 6,836.8 | 7,225.9 | 6,836.8 | 26.9 | 42.7 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,292.1 | 56.55 | 23.850 | | |
| 7,100.0 | 6,936.8 | 7,325.9 | 6,936.8 | 27.0 | 42.8 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,291.9 | 56.74 | 23.768 | | |
| 7,200.0 | 7,036.8 | 7,425.9 | 7,036.8 | 27.1 | 42.9 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,291.7 | 56.94 | 23.685 | | |
| 7,300.0 | 7,136.8 | 7,525.9 | 7,136.8 | 27.2 | 43.0 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,291.5 | 57.14 | 23.602 | | |
| 7,400.0 | 7,236.8 | 7,625.9 | 7,236.8 | 27.3 | 43.0 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,291.3 | 57.34 | 23.518 | | |
| 7,500.0 | 7,336.8 | 7,725.9 | 7,336.8 | 27.4 | 43.1 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,291.1 | 57.55 | 23.434 | | |
| 7,543.2 | 7,380.0 | 7,769.1 | 7,380.0 | 27.5 | 43.1 | -84.96 | -1,039.3 | -1,726.9 | 1,348.6 | 1,291.0 | 57.64 | 23.397 | | |

| | | | |
|---------------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Company: | BAYSWATER EXPLORATION & PRODUCTION | Local Co-ordinate Reference: | Well Booth 6-23 |
| Project: | SEC.23-T7N-R65W | TVD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Reference Site: | Booth 10 Pad Sec.23-T7N-R65W | MD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Booth 6-23 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (5-07-12) | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to WELL @ 4912.0ft (Original Well Elev) Coordinates are relative to: Booth 6-23
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.56°



| | | | |
|---------------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Company: | BAYSWATER EXPLORATION & PRODUCTION | Local Co-ordinate Reference: | Well Booth 6-23 |
| Project: | SEC.23-T7N-R65W | TVD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Reference Site: | Booth 10 Pad Sec.23-T7N-R65W | MD Reference: | WELL @ 4912.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Booth 6-23 | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Wellbore #1 | Database: | Landmark |
| Reference Design: | Plan #1 (5-07-12) | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to WELL @ 4912.0ft (Original Well Elev) Coordinates are relative to: Booth 6-23
Offset Depths are relative to Offset Datum
Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000 °
Grid Convergence at Surface is: 0.56°

