

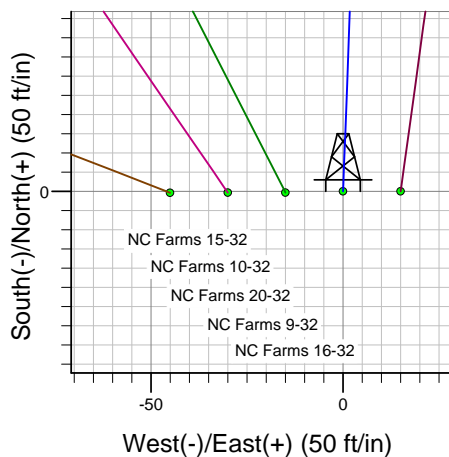
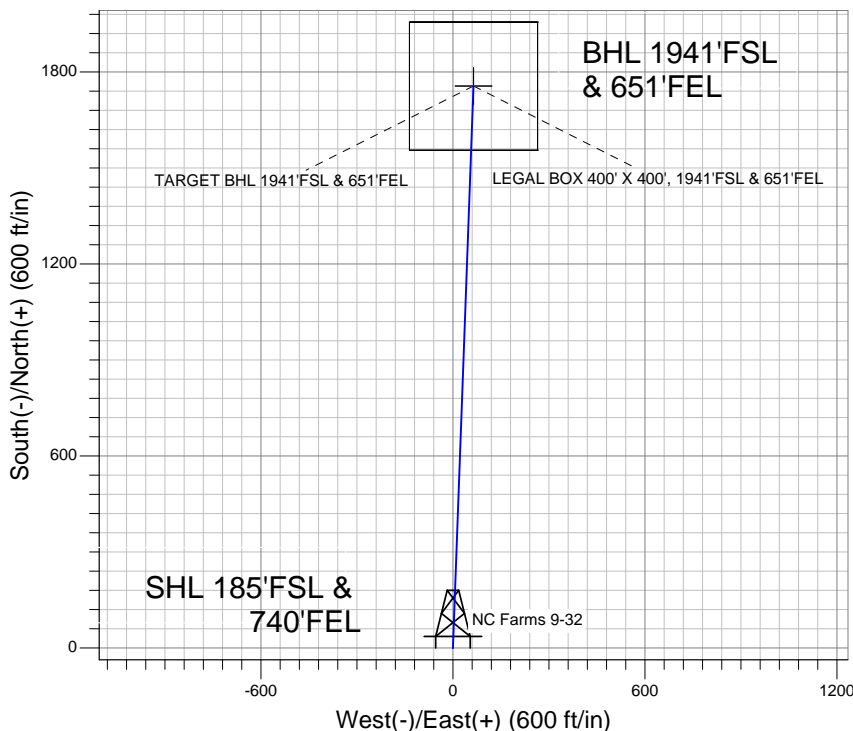
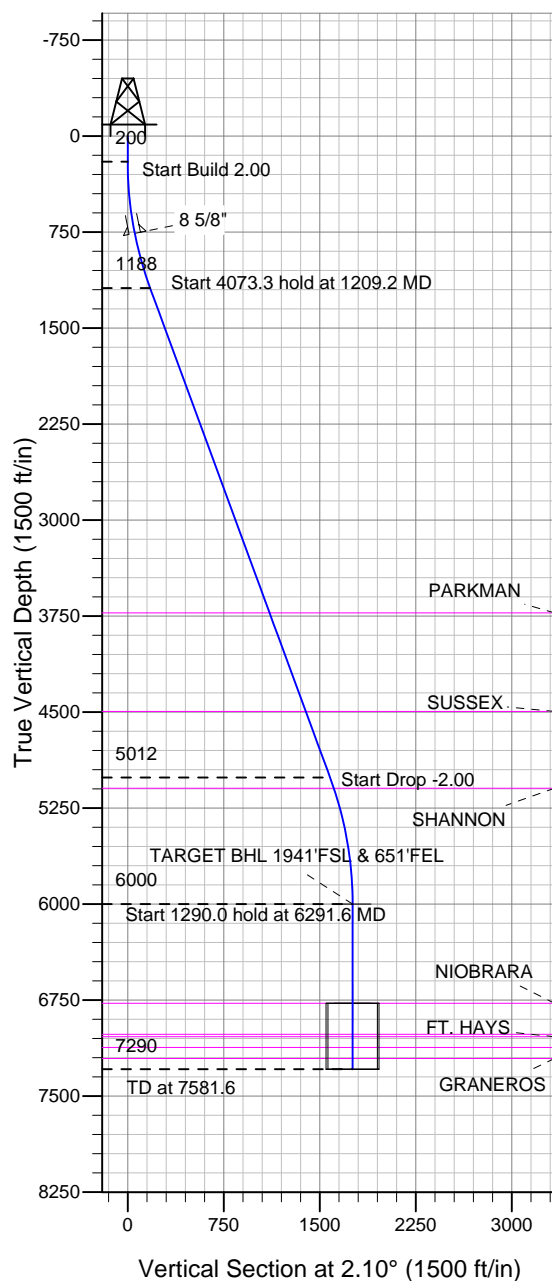
Well Name: NC Farms 9-32

Surface Location: NC Farms 16-32 Pad Sec.32-T7N-R64W
 North American Datum 1983, US State Plane 1983Colorado Northern Zone
 Ground Elevation: 4805.0

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|-------|-------|------------|------------|-----------|-------------|------|
| 0.0 | 0.0 | 1434686.77 | 3259277.66 | 40.522873 | -104.567348 | |

Original Well EleWELL @ 4816.0ft (Original Well Elev)

BAYSWATER EXPLORATION & PRODUCTION



NC Farms 16-32 Pad Sec.32-T7N-R64W
 NC Farms 9-32
 Plan #1 (11-03-11)
 10:59, November 04 2011



Azimuths to True North
 Magnetic North: 8.72°
 Magnetic Field
 Strength: 53176.3snT
 Dip Angle: 67.17°
 Date: 11/3/2011
 Model: IGRF2010

WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | Shape |
|---|--------|--------|-------|-----------|-------------|----------------------------------|
| TARGET BHL 1941'FSL & 651'FEL | 6000.0 | 1756.0 | 64.5 | 40.527693 | -104.567116 | Point |
| LEGAL BOX 400' X 400', 1941'FSL & 651'FEL | 6775.0 | 1756.0 | 64.5 | 40.527693 | -104.567116 | Rectangle (Sides: L400.0 W400.0) |

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 | 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1209.2 | 20.18 | 2.10 | 1188.4 | 175.8 | 6.5 | 2.00 | 2.10 | 175.9 | |
| 4 | 5282.4 | 20.18 | 2.10 | 5011.6 | 1580.2 | 58.0 | 0.00 | 0.00 | 1581.3 | |
| 5 | 6291.6 | 0.00 | 0.00 | 6000.0 | 1756.0 | 64.5 | 2.00 | 180.00 | 1757.2 | TARGET BHL 1941'FSL & 651'FEL |
| 6 | 7581.6 | 0.00 | 0.00 | 7290.0 | 1756.0 | 64.5 | 0.00 | 0.00 | 1757.2 | |



Directional

BAYSWATER EXPLORATION & PRODUCTION

SEC.32-T7N-R64W

NC Farms 16-32 Pad Sec.32-T7N-R64W

NC Farms 9-32

Wellbore #1

Plan: Plan #1 (11-03-11)

Standard Planning Report

04 November, 2011

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well NC Farms 9-32 |
| Company: | BAYSWATER EXPLORATION & PRODUCTION | TVD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Project: | SEC.32-T7N-R64W | MD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Site: | NC Farms 16-32 Pad Sec.32-T7N-R64W | North Reference: | True |
| Well: | NC Farms 9-32 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-03-11) | | |

| | | | |
|--------------------|----------------------------------|----------------------|-----------------------------|
| Project | SEC.32-T7N-R64W, 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 |

| Site | | | | | | NC Farms 16-32 Pad Sec.32-T7N-R64W | | | | | | | | | | | |
|-----------------------|--|--|----------|--|--|------------------------------------|--|--|-----------------|--|--|-------------------|--|--|-------------|--|--|
| Site Position: | | | | | | Northing: | | | 1,434,686.95 ft | | | Latitude: | | | 40.522873 | | |
| From: | | | Lat/Long | | | Easting: | | | 3,259,292.67 ft | | | Longitude: | | | -104.567294 | | |
| Position Uncertainty: | | | 0.0 ft | | | Slot Radius: | | | " | | | Grid Convergence: | | | 0.60 ° | | |

| Well | NC Farms 9-32 | | | | | |
|----------------------|---------------|----------|---------------------|-----------------|---------------|-------------|
| Well Position | +N/-S | 0.0 ft | Northing: | 1,434,686.77 ft | Latitude: | 40.522873 |
| | +E/-W | -15.0 ft | Easting: | 3,259,277.66 ft | Longitude: | -104.567348 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 4,805.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 11/3/2011 | 8.72 | 67.17 | 53,176 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | Plan #1 (11-03-11) | | | |
| 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 | 2.10 |

| 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 | |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,209.2 | 20.18 | 2.10 | 1,188.4 | 175.8 | 6.5 | 2.00 | 2.00 | 0.00 | 2.10 | |
| 5,282.4 | 20.18 | 2.10 | 5,011.6 | 1,580.2 | 58.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,291.6 | 0.00 | 0.00 | 6,000.0 | 1,756.0 | 64.5 | 2.00 | -2.00 | 0.00 | 180.00 | TARGET BHL 1941 |
| 7,581.6 | 0.00 | 0.00 | 7,290.0 | 1,756.0 | 64.5 | 0.00 | 0.00 | 0.00 | 0.00 | |

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well NC Farms 9-32 |
| Company: | BAYSWATER EXPLORATION & PRODUCTION | TVD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Project: | SEC.32-T7N-R64W | MD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Site: | NC Farms 16-32 Pad Sec.32-T7N-R64W | North Reference: | True |
| Well: | NC Farms 9-32 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-03-11) | | |

| 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 | 0.80 | 2.10 | 240.0 | 0.3 | 0.0 | 0.3 | 2.00 | 2.00 | 0.00 |
| 280.0 | 1.60 | 2.10 | 280.0 | 1.1 | 0.0 | 1.1 | 2.00 | 2.00 | 0.00 |
| 320.0 | 2.40 | 2.10 | 320.0 | 2.5 | 0.1 | 2.5 | 2.00 | 2.00 | 0.00 |
| 360.0 | 3.20 | 2.10 | 359.9 | 4.5 | 0.2 | 4.5 | 2.00 | 2.00 | 0.00 |
| 400.0 | 4.00 | 2.10 | 399.8 | 7.0 | 0.3 | 7.0 | 2.00 | 2.00 | 0.00 |
| 440.0 | 4.80 | 2.10 | 439.7 | 10.0 | 0.4 | 10.0 | 2.00 | 2.00 | 0.00 |
| 480.0 | 5.60 | 2.10 | 479.6 | 13.7 | 0.5 | 13.7 | 2.00 | 2.00 | 0.00 |
| 520.0 | 6.40 | 2.10 | 519.3 | 17.8 | 0.7 | 17.9 | 2.00 | 2.00 | 0.00 |
| 560.0 | 7.20 | 2.10 | 559.1 | 22.6 | 0.8 | 22.6 | 2.00 | 2.00 | 0.00 |
| 600.0 | 8.00 | 2.10 | 598.7 | 27.9 | 1.0 | 27.9 | 2.00 | 2.00 | 0.00 |
| 640.0 | 8.80 | 2.10 | 638.3 | 33.7 | 1.2 | 33.7 | 2.00 | 2.00 | 0.00 |
| 680.0 | 9.60 | 2.10 | 677.8 | 40.1 | 1.5 | 40.1 | 2.00 | 2.00 | 0.00 |
| 720.0 | 10.40 | 2.10 | 717.1 | 47.0 | 1.7 | 47.1 | 2.00 | 2.00 | 0.00 |
| 760.0 | 11.20 | 2.10 | 756.4 | 54.5 | 2.0 | 54.6 | 2.00 | 2.00 | 0.00 |
| 763.6 | 11.27 | 2.10 | 760.0 | 55.2 | 2.0 | 55.3 | 2.00 | 2.00 | 0.00 |
| 8 5/8" | | | | | | | | | |
| 800.0 | 12.00 | 2.10 | 795.6 | 62.6 | 2.3 | 62.6 | 2.00 | 2.00 | 0.00 |
| 840.0 | 12.80 | 2.10 | 834.7 | 71.1 | 2.6 | 71.2 | 2.00 | 2.00 | 0.00 |
| 880.0 | 13.60 | 2.10 | 873.6 | 80.3 | 2.9 | 80.3 | 2.00 | 2.00 | 0.00 |
| 920.0 | 14.40 | 2.10 | 912.4 | 89.9 | 3.3 | 90.0 | 2.00 | 2.00 | 0.00 |
| 960.0 | 15.20 | 2.10 | 951.1 | 100.2 | 3.7 | 100.2 | 2.00 | 2.00 | 0.00 |
| 1,000.0 | 16.00 | 2.10 | 989.6 | 110.9 | 4.1 | 111.0 | 2.00 | 2.00 | 0.00 |
| 1,040.0 | 16.80 | 2.10 | 1,028.0 | 122.2 | 4.5 | 122.3 | 2.00 | 2.00 | 0.00 |
| 1,080.0 | 17.60 | 2.10 | 1,066.2 | 134.0 | 4.9 | 134.1 | 2.00 | 2.00 | 0.00 |
| 1,120.0 | 18.40 | 2.10 | 1,104.3 | 146.4 | 5.4 | 146.5 | 2.00 | 2.00 | 0.00 |
| 1,160.0 | 19.20 | 2.10 | 1,142.1 | 159.2 | 5.8 | 159.3 | 2.00 | 2.00 | 0.00 |
| 1,200.0 | 20.00 | 2.10 | 1,179.8 | 172.7 | 6.3 | 172.8 | 2.00 | 2.00 | 0.00 |
| 1,209.2 | 20.18 | 2.10 | 1,188.4 | 175.8 | 6.5 | 175.9 | 2.00 | 2.00 | 0.00 |
| 1,240.0 | 20.18 | 2.10 | 1,217.4 | 186.4 | 6.8 | 186.6 | 0.00 | 0.00 | 0.00 |
| 1,280.0 | 20.18 | 2.10 | 1,254.9 | 200.2 | 7.4 | 200.4 | 0.00 | 0.00 | 0.00 |
| 1,320.0 | 20.18 | 2.10 | 1,292.5 | 214.0 | 7.9 | 214.2 | 0.00 | 0.00 | 0.00 |
| 1,360.0 | 20.18 | 2.10 | 1,330.0 | 227.8 | 8.4 | 228.0 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 20.18 | 2.10 | 1,367.5 | 241.6 | 8.9 | 241.8 | 0.00 | 0.00 | 0.00 |
| 1,440.0 | 20.18 | 2.10 | 1,405.1 | 255.4 | 9.4 | 255.6 | 0.00 | 0.00 | 0.00 |
| 1,480.0 | 20.18 | 2.10 | 1,442.6 | 269.2 | 9.9 | 269.4 | 0.00 | 0.00 | 0.00 |
| 1,520.0 | 20.18 | 2.10 | 1,480.2 | 283.0 | 10.4 | 283.2 | 0.00 | 0.00 | 0.00 |
| 1,560.0 | 20.18 | 2.10 | 1,517.7 | 296.8 | 10.9 | 297.0 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 20.18 | 2.10 | 1,555.3 | 310.6 | 11.4 | 310.8 | 0.00 | 0.00 | 0.00 |
| 1,640.0 | 20.18 | 2.10 | 1,592.8 | 324.3 | 11.9 | 324.6 | 0.00 | 0.00 | 0.00 |
| 1,680.0 | 20.18 | 2.10 | 1,630.3 | 338.1 | 12.4 | 338.4 | 0.00 | 0.00 | 0.00 |
| 1,720.0 | 20.18 | 2.10 | 1,667.9 | 351.9 | 12.9 | 352.2 | 0.00 | 0.00 | 0.00 |
| 1,760.0 | 20.18 | 2.10 | 1,705.4 | 365.7 | 13.4 | 366.0 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 20.18 | 2.10 | 1,743.0 | 379.5 | 13.9 | 379.8 | 0.00 | 0.00 | 0.00 |
| 1,840.0 | 20.18 | 2.10 | 1,780.5 | 393.3 | 14.4 | 393.6 | 0.00 | 0.00 | 0.00 |
| 1,880.0 | 20.18 | 2.10 | 1,818.1 | 407.1 | 15.0 | 407.4 | 0.00 | 0.00 | 0.00 |
| 1,920.0 | 20.18 | 2.10 | 1,855.6 | 420.9 | 15.5 | 421.2 | 0.00 | 0.00 | 0.00 |
| 1,960.0 | 20.18 | 2.10 | 1,893.2 | 434.7 | 16.0 | 435.0 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well NC Farms 9-32 |
| Company: | BAYSWATER EXPLORATION & PRODUCTION | TVD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Project: | SEC.32-T7N-R64W | MD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Site: | NC Farms 16-32 Pad Sec.32-T7N-R64W | North Reference: | True |
| Well: | NC Farms 9-32 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-03-11) | | |

| 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 | 20.18 | 2.10 | 1,930.7 | 448.5 | 16.5 | 448.8 | 0.00 | 0.00 | 0.00 |
| 2,040.0 | 20.18 | 2.10 | 1,968.2 | 462.3 | 17.0 | 462.6 | 0.00 | 0.00 | 0.00 |
| 2,080.0 | 20.18 | 2.10 | 2,005.8 | 476.1 | 17.5 | 476.4 | 0.00 | 0.00 | 0.00 |
| 2,120.0 | 20.18 | 2.10 | 2,043.3 | 489.8 | 18.0 | 490.2 | 0.00 | 0.00 | 0.00 |
| 2,160.0 | 20.18 | 2.10 | 2,080.9 | 503.6 | 18.5 | 504.0 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 20.18 | 2.10 | 2,118.4 | 517.4 | 19.0 | 517.8 | 0.00 | 0.00 | 0.00 |
| 2,240.0 | 20.18 | 2.10 | 2,156.0 | 531.2 | 19.5 | 531.6 | 0.00 | 0.00 | 0.00 |
| 2,280.0 | 20.18 | 2.10 | 2,193.5 | 545.0 | 20.0 | 545.4 | 0.00 | 0.00 | 0.00 |
| 2,320.0 | 20.18 | 2.10 | 2,231.0 | 558.8 | 20.5 | 559.2 | 0.00 | 0.00 | 0.00 |
| 2,360.0 | 20.18 | 2.10 | 2,268.6 | 572.6 | 21.0 | 573.0 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 20.18 | 2.10 | 2,306.1 | 586.4 | 21.5 | 586.8 | 0.00 | 0.00 | 0.00 |
| 2,440.0 | 20.18 | 2.10 | 2,343.7 | 600.2 | 22.0 | 600.6 | 0.00 | 0.00 | 0.00 |
| 2,480.0 | 20.18 | 2.10 | 2,381.2 | 614.0 | 22.5 | 614.4 | 0.00 | 0.00 | 0.00 |
| 2,520.0 | 20.18 | 2.10 | 2,418.8 | 627.8 | 23.1 | 628.2 | 0.00 | 0.00 | 0.00 |
| 2,560.0 | 20.18 | 2.10 | 2,456.3 | 641.6 | 23.6 | 642.0 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 20.18 | 2.10 | 2,493.9 | 655.4 | 24.1 | 655.8 | 0.00 | 0.00 | 0.00 |
| 2,640.0 | 20.18 | 2.10 | 2,531.4 | 669.1 | 24.6 | 669.6 | 0.00 | 0.00 | 0.00 |
| 2,680.0 | 20.18 | 2.10 | 2,568.9 | 682.9 | 25.1 | 683.4 | 0.00 | 0.00 | 0.00 |
| 2,720.0 | 20.18 | 2.10 | 2,606.5 | 696.7 | 25.6 | 697.2 | 0.00 | 0.00 | 0.00 |
| 2,760.0 | 20.18 | 2.10 | 2,644.0 | 710.5 | 26.1 | 711.0 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 20.18 | 2.10 | 2,681.6 | 724.3 | 26.6 | 724.8 | 0.00 | 0.00 | 0.00 |
| 2,840.0 | 20.18 | 2.10 | 2,719.1 | 738.1 | 27.1 | 738.6 | 0.00 | 0.00 | 0.00 |
| 2,880.0 | 20.18 | 2.10 | 2,756.7 | 751.9 | 27.6 | 752.4 | 0.00 | 0.00 | 0.00 |
| 2,920.0 | 20.18 | 2.10 | 2,794.2 | 765.7 | 28.1 | 766.2 | 0.00 | 0.00 | 0.00 |
| 2,960.0 | 20.18 | 2.10 | 2,831.7 | 779.5 | 28.6 | 780.0 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 20.18 | 2.10 | 2,869.3 | 793.3 | 29.1 | 793.8 | 0.00 | 0.00 | 0.00 |
| 3,040.0 | 20.18 | 2.10 | 2,906.8 | 807.1 | 29.6 | 807.6 | 0.00 | 0.00 | 0.00 |
| 3,080.0 | 20.18 | 2.10 | 2,944.4 | 820.9 | 30.1 | 821.4 | 0.00 | 0.00 | 0.00 |
| 3,120.0 | 20.18 | 2.10 | 2,981.9 | 834.6 | 30.7 | 835.2 | 0.00 | 0.00 | 0.00 |
| 3,160.0 | 20.18 | 2.10 | 3,019.5 | 848.4 | 31.2 | 849.0 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 20.18 | 2.10 | 3,057.0 | 862.2 | 31.7 | 862.8 | 0.00 | 0.00 | 0.00 |
| 3,240.0 | 20.18 | 2.10 | 3,094.5 | 876.0 | 32.2 | 876.6 | 0.00 | 0.00 | 0.00 |
| 3,280.0 | 20.18 | 2.10 | 3,132.1 | 889.8 | 32.7 | 890.4 | 0.00 | 0.00 | 0.00 |
| 3,320.0 | 20.18 | 2.10 | 3,169.6 | 903.6 | 33.2 | 904.2 | 0.00 | 0.00 | 0.00 |
| 3,360.0 | 20.18 | 2.10 | 3,207.2 | 917.4 | 33.7 | 918.0 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 20.18 | 2.10 | 3,244.7 | 931.2 | 34.2 | 931.8 | 0.00 | 0.00 | 0.00 |
| 3,440.0 | 20.18 | 2.10 | 3,282.3 | 945.0 | 34.7 | 945.6 | 0.00 | 0.00 | 0.00 |
| 3,480.0 | 20.18 | 2.10 | 3,319.8 | 958.8 | 35.2 | 959.4 | 0.00 | 0.00 | 0.00 |
| 3,520.0 | 20.18 | 2.10 | 3,357.4 | 972.6 | 35.7 | 973.2 | 0.00 | 0.00 | 0.00 |
| 3,560.0 | 20.18 | 2.10 | 3,394.9 | 986.4 | 36.2 | 987.0 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 20.18 | 2.10 | 3,432.4 | 1,000.1 | 36.7 | 1,000.8 | 0.00 | 0.00 | 0.00 |
| 3,640.0 | 20.18 | 2.10 | 3,470.0 | 1,013.9 | 37.2 | 1,014.6 | 0.00 | 0.00 | 0.00 |
| 3,680.0 | 20.18 | 2.10 | 3,507.5 | 1,027.7 | 37.7 | 1,028.4 | 0.00 | 0.00 | 0.00 |
| 3,720.0 | 20.18 | 2.10 | 3,545.1 | 1,041.5 | 38.3 | 1,042.2 | 0.00 | 0.00 | 0.00 |
| 3,760.0 | 20.18 | 2.10 | 3,582.6 | 1,055.3 | 38.8 | 1,056.0 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 20.18 | 2.10 | 3,620.2 | 1,069.1 | 39.3 | 1,069.8 | 0.00 | 0.00 | 0.00 |
| 3,840.0 | 20.18 | 2.10 | 3,657.7 | 1,082.9 | 39.8 | 1,083.6 | 0.00 | 0.00 | 0.00 |
| 3,880.0 | 20.18 | 2.10 | 3,695.2 | 1,096.7 | 40.3 | 1,097.4 | 0.00 | 0.00 | 0.00 |
| 3,911.7 | 20.18 | 2.10 | 3,725.0 | 1,107.6 | 40.7 | 1,108.4 | 0.00 | 0.00 | 0.00 |
| PARKMAN | | | | | | | | | |
| 3,920.0 | 20.18 | 2.10 | 3,732.8 | 1,110.5 | 40.8 | 1,111.2 | 0.00 | 0.00 | 0.00 |
| 3,960.0 | 20.18 | 2.10 | 3,770.3 | 1,124.3 | 41.3 | 1,125.0 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 20.18 | 2.10 | 3,807.9 | 1,138.1 | 41.8 | 1,138.8 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well NC Farms 9-32 |
| Company: | BAYSWATER EXPLORATION & PRODUCTION | TVD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Project: | SEC.32-T7N-R64W | MD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Site: | NC Farms 16-32 Pad Sec.32-T7N-R64W | North Reference: | True |
| Well: | NC Farms 9-32 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-03-11) | | |

| 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 | 20.18 | 2.10 | 3,845.4 | 1,151.9 | 42.3 | 1,152.6 | 0.00 | 0.00 | 0.00 |
| 4,080.0 | 20.18 | 2.10 | 3,883.0 | 1,165.6 | 42.8 | 1,166.4 | 0.00 | 0.00 | 0.00 |
| 4,120.0 | 20.18 | 2.10 | 3,920.5 | 1,179.4 | 43.3 | 1,180.2 | 0.00 | 0.00 | 0.00 |
| 4,160.0 | 20.18 | 2.10 | 3,958.1 | 1,193.2 | 43.8 | 1,194.0 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 20.18 | 2.10 | 3,995.6 | 1,207.0 | 44.3 | 1,207.8 | 0.00 | 0.00 | 0.00 |
| 4,240.0 | 20.18 | 2.10 | 4,033.1 | 1,220.8 | 44.8 | 1,221.6 | 0.00 | 0.00 | 0.00 |
| 4,280.0 | 20.18 | 2.10 | 4,070.7 | 1,234.6 | 45.3 | 1,235.4 | 0.00 | 0.00 | 0.00 |
| 4,320.0 | 20.18 | 2.10 | 4,108.2 | 1,248.4 | 45.9 | 1,249.2 | 0.00 | 0.00 | 0.00 |
| 4,360.0 | 20.18 | 2.10 | 4,145.8 | 1,262.2 | 46.4 | 1,263.0 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 20.18 | 2.10 | 4,183.3 | 1,276.0 | 46.9 | 1,276.8 | 0.00 | 0.00 | 0.00 |
| 4,440.0 | 20.18 | 2.10 | 4,220.9 | 1,289.8 | 47.4 | 1,290.6 | 0.00 | 0.00 | 0.00 |
| 4,480.0 | 20.18 | 2.10 | 4,258.4 | 1,303.6 | 47.9 | 1,304.4 | 0.00 | 0.00 | 0.00 |
| 4,520.0 | 20.18 | 2.10 | 4,295.9 | 1,317.4 | 48.4 | 1,318.2 | 0.00 | 0.00 | 0.00 |
| 4,560.0 | 20.18 | 2.10 | 4,333.5 | 1,331.1 | 48.9 | 1,332.0 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 20.18 | 2.10 | 4,371.0 | 1,344.9 | 49.4 | 1,345.8 | 0.00 | 0.00 | 0.00 |
| 4,640.0 | 20.18 | 2.10 | 4,408.6 | 1,358.7 | 49.9 | 1,359.6 | 0.00 | 0.00 | 0.00 |
| 4,680.0 | 20.18 | 2.10 | 4,446.1 | 1,372.5 | 50.4 | 1,373.4 | 0.00 | 0.00 | 0.00 |
| 4,720.0 | 20.18 | 2.10 | 4,483.7 | 1,386.3 | 50.9 | 1,387.3 | 0.00 | 0.00 | 0.00 |
| 4,732.1 | 20.18 | 2.10 | 4,495.0 | 1,390.5 | 51.1 | 1,391.4 | 0.00 | 0.00 | 0.00 |
| SUSSEX | | | | | | | | | |
| 4,760.0 | 20.18 | 2.10 | 4,521.2 | 1,400.1 | 51.4 | 1,401.1 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 20.18 | 2.10 | 4,558.8 | 1,413.9 | 51.9 | 1,414.9 | 0.00 | 0.00 | 0.00 |
| 4,840.0 | 20.18 | 2.10 | 4,596.3 | 1,427.7 | 52.4 | 1,428.7 | 0.00 | 0.00 | 0.00 |
| 4,880.0 | 20.18 | 2.10 | 4,633.8 | 1,441.5 | 52.9 | 1,442.5 | 0.00 | 0.00 | 0.00 |
| 4,920.0 | 20.18 | 2.10 | 4,671.4 | 1,455.3 | 53.4 | 1,456.3 | 0.00 | 0.00 | 0.00 |
| 4,960.0 | 20.18 | 2.10 | 4,708.9 | 1,469.1 | 54.0 | 1,470.1 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 20.18 | 2.10 | 4,746.5 | 1,482.9 | 54.5 | 1,483.9 | 0.00 | 0.00 | 0.00 |
| 5,040.0 | 20.18 | 2.10 | 4,784.0 | 1,496.7 | 55.0 | 1,497.7 | 0.00 | 0.00 | 0.00 |
| 5,080.0 | 20.18 | 2.10 | 4,821.6 | 1,510.4 | 55.5 | 1,511.5 | 0.00 | 0.00 | 0.00 |
| 5,120.0 | 20.18 | 2.10 | 4,859.1 | 1,524.2 | 56.0 | 1,525.3 | 0.00 | 0.00 | 0.00 |
| 5,160.0 | 20.18 | 2.10 | 4,896.6 | 1,538.0 | 56.5 | 1,539.1 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 20.18 | 2.10 | 4,934.2 | 1,551.8 | 57.0 | 1,552.9 | 0.00 | 0.00 | 0.00 |
| 5,240.0 | 20.18 | 2.10 | 4,971.7 | 1,565.6 | 57.5 | 1,566.7 | 0.00 | 0.00 | 0.00 |
| 5,280.0 | 20.18 | 2.10 | 5,009.3 | 1,579.4 | 58.0 | 1,580.5 | 0.00 | 0.00 | 0.00 |
| 5,282.4 | 20.18 | 2.10 | 5,011.6 | 1,580.2 | 58.0 | 1,581.3 | 0.00 | 0.00 | 0.00 |
| 5,320.0 | 19.43 | 2.10 | 5,046.9 | 1,593.0 | 58.5 | 1,594.0 | 2.00 | -2.00 | 0.00 |
| 5,360.0 | 18.63 | 2.10 | 5,084.7 | 1,606.0 | 59.0 | 1,607.1 | 2.00 | -2.00 | 0.00 |
| 5,370.8 | 18.42 | 2.10 | 5,095.0 | 1,609.4 | 59.1 | 1,610.5 | 2.00 | -2.00 | 0.00 |
| SHANNON | | | | | | | | | |
| 5,400.0 | 17.83 | 2.10 | 5,122.7 | 1,618.5 | 59.4 | 1,619.6 | 2.00 | -2.00 | 0.00 |
| 5,440.0 | 17.03 | 2.10 | 5,160.9 | 1,630.5 | 59.9 | 1,631.6 | 2.00 | -2.00 | 0.00 |
| 5,480.0 | 16.23 | 2.10 | 5,199.2 | 1,641.9 | 60.3 | 1,643.0 | 2.00 | -2.00 | 0.00 |
| 5,520.0 | 15.43 | 2.10 | 5,237.7 | 1,652.8 | 60.7 | 1,653.9 | 2.00 | -2.00 | 0.00 |
| 5,560.0 | 14.63 | 2.10 | 5,276.3 | 1,663.2 | 61.1 | 1,664.3 | 2.00 | -2.00 | 0.00 |
| 5,600.0 | 13.83 | 2.10 | 5,315.1 | 1,673.0 | 61.4 | 1,674.1 | 2.00 | -2.00 | 0.00 |
| 5,640.0 | 13.03 | 2.10 | 5,354.0 | 1,682.3 | 61.8 | 1,683.4 | 2.00 | -2.00 | 0.00 |
| 5,680.0 | 12.23 | 2.10 | 5,393.0 | 1,691.0 | 62.1 | 1,692.2 | 2.00 | -2.00 | 0.00 |
| 5,720.0 | 11.43 | 2.10 | 5,432.2 | 1,699.2 | 62.4 | 1,700.4 | 2.00 | -2.00 | 0.00 |
| 5,760.0 | 10.63 | 2.10 | 5,471.4 | 1,706.9 | 62.7 | 1,708.0 | 2.00 | -2.00 | 0.00 |
| 5,800.0 | 9.83 | 2.10 | 5,510.8 | 1,714.0 | 63.0 | 1,715.1 | 2.00 | -2.00 | 0.00 |
| 5,840.0 | 9.03 | 2.10 | 5,550.3 | 1,720.5 | 63.2 | 1,721.7 | 2.00 | -2.00 | 0.00 |
| 5,880.0 | 8.23 | 2.10 | 5,589.8 | 1,726.5 | 63.4 | 1,727.7 | 2.00 | -2.00 | 0.00 |
| 5,920.0 | 7.43 | 2.10 | 5,629.4 | 1,732.0 | 63.6 | 1,733.2 | 2.00 | -2.00 | 0.00 |

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well NC Farms 9-32 |
| Company: | BAYSWATER EXPLORATION & PRODUCTION | TVD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Project: | SEC.32-T7N-R64W | MD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Site: | NC Farms 16-32 Pad Sec.32-T7N-R64W | North Reference: | True |
| Well: | NC Farms 9-32 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-03-11) | | |

| 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 | 6.63 | 2.10 | 5,669.1 | 1,736.9 | 63.8 | 1,738.1 | 2.00 | -2.00 | 0.00 |
| 6,000.0 | 5.83 | 2.10 | 5,708.9 | 1,741.2 | 64.0 | 1,742.4 | 2.00 | -2.00 | 0.00 |
| 6,040.0 | 5.03 | 2.10 | 5,748.7 | 1,745.0 | 64.1 | 1,746.2 | 2.00 | -2.00 | 0.00 |
| 6,080.0 | 4.23 | 2.10 | 5,788.6 | 1,748.2 | 64.2 | 1,749.4 | 2.00 | -2.00 | 0.00 |
| 6,120.0 | 3.43 | 2.10 | 5,828.5 | 1,750.9 | 64.3 | 1,752.1 | 2.00 | -2.00 | 0.00 |
| 6,160.0 | 2.63 | 2.10 | 5,868.4 | 1,753.0 | 64.4 | 1,754.2 | 2.00 | -2.00 | 0.00 |
| 6,200.0 | 1.83 | 2.10 | 5,908.4 | 1,754.6 | 64.4 | 1,755.8 | 2.00 | -2.00 | 0.00 |
| 6,240.0 | 1.03 | 2.10 | 5,948.4 | 1,755.6 | 64.5 | 1,756.8 | 2.00 | -2.00 | 0.00 |
| 6,280.0 | 0.23 | 2.10 | 5,988.4 | 1,756.0 | 64.5 | 1,757.2 | 2.00 | -2.00 | 0.00 |
| 6,291.6 | 0.00 | 0.00 | 6,000.0 | 1,756.0 | 64.5 | 1,757.2 | 2.00 | -2.00 | 0.00 |
| TARGET BHL 1941'FSL & 651'FEL | | | | | | | | | |
| 6,320.0 | 0.00 | 0.00 | 6,028.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,360.0 | 0.00 | 0.00 | 6,068.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 0.00 | 0.00 | 6,108.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,440.0 | 0.00 | 0.00 | 6,148.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,480.0 | 0.00 | 0.00 | 6,188.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,520.0 | 0.00 | 0.00 | 6,228.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,560.0 | 0.00 | 0.00 | 6,268.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 0.00 | 0.00 | 6,308.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,640.0 | 0.00 | 0.00 | 6,348.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,680.0 | 0.00 | 0.00 | 6,388.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,720.0 | 0.00 | 0.00 | 6,428.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,760.0 | 0.00 | 0.00 | 6,468.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 0.00 | 0.00 | 6,508.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,840.0 | 0.00 | 0.00 | 6,548.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,880.0 | 0.00 | 0.00 | 6,588.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,920.0 | 0.00 | 0.00 | 6,628.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 6,960.0 | 0.00 | 0.00 | 6,668.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 0.00 | 0.00 | 6,708.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,040.0 | 0.00 | 0.00 | 6,748.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,066.6 | 0.00 | 0.00 | 6,775.0 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| NIOBRARA - LEGAL BOX 400' X 400', 1941'FSL & 651'FEL | | | | | | | | | |
| 7,080.0 | 0.00 | 0.00 | 6,788.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,120.0 | 0.00 | 0.00 | 6,828.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,160.0 | 0.00 | 0.00 | 6,868.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 0.00 | 0.00 | 6,908.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,240.0 | 0.00 | 0.00 | 6,948.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,280.0 | 0.00 | 0.00 | 6,988.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,308.6 | 0.00 | 0.00 | 7,017.0 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| CODELL | | | | | | | | | |
| 7,320.0 | 0.00 | 0.00 | 7,028.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,328.6 | 0.00 | 0.00 | 7,037.0 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| FT. HAYS | | | | | | | | | |
| 7,360.0 | 0.00 | 0.00 | 7,068.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 0.00 | 0.00 | 7,108.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,412.6 | 0.00 | 0.00 | 7,121.0 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| GREENHORN | | | | | | | | | |
| 7,440.0 | 0.00 | 0.00 | 7,148.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,480.0 | 0.00 | 0.00 | 7,188.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| 7,497.6 | 0.00 | 0.00 | 7,206.0 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |
| GRANEROS | | | | | | | | | |
| 7,520.0 | 0.00 | 0.00 | 7,228.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | Landmark | Local Co-ordinate Reference: | Well NC Farms 9-32 |
| Company: | BAYSWATER EXPLORATION & PRODUCTION | TVD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Project: | SEC.32-T7N-R64W | MD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Site: | NC Farms 16-32 Pad Sec.32-T7N-R64W | North Reference: | True |
| Well: | NC Farms 9-32 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (11-03-11) | | |

| 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) | |
| 7,560.0 | 0.00 | 0.00 | 7,268.4 | 1,756.0 | 64.5 | 1,757.2 | 0.00 | 0.00 | 0.00 | |
| 7,581.6 | 0.00 | 0.00 | 7,290.0 | 1,756.0 | 64.5 | 1,757.2 | 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) | Latitude | Longitude |
| LEGAL BOX 400' X 400' | - plan hits target center | 0.00 | 0.00 | 6,775.0 | 1,756.0 | 64.5 | 1,436,443.29 | 3,259,323.69 | 40.527693 | -104.567116 |
| | - Rectangle (sides W400.0 H400.0 D515.0) | | | | | | | | | |
| TARGET BHL 1941'F: | - plan hits target center | 0.00 | 0.00 | 6,000.0 | 1,756.0 | 64.5 | 1,436,443.33 | 3,259,323.68 | 40.527693 | -104.567116 |
| | - Point | | | | | | | | | |

| Casing Points | | | | | | |
|---------------------|---------------------|--------|---------------------|-------------------|--|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") | | |
| 763.6 | 760.0 | 8 5/8" | 8-5/8 | 12-1/4 | | |

| Formations | | | | | | |
|---------------------|---------------------|-----------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 3,911.7 | 3,725.0 | PARKMAN | | 0.00 | | |
| 4,732.1 | 4,495.0 | SUSSEX | | 0.00 | | |
| 5,370.8 | 5,095.0 | SHANNON | | 0.00 | | |
| 7,066.6 | 6,775.0 | NIOBRARA | | 0.00 | | |
| 7,308.6 | 7,017.0 | CODELL | | 0.00 | | |
| 7,328.6 | 7,037.0 | FT. HAYS | | 0.00 | | |
| 7,412.6 | 7,121.0 | GREENHORN | | 0.00 | | |
| 7,497.6 | 7,206.0 | GRANEROS | | 0.00 | | |



Directional

BAYSWATER EXPLORATION & PRODUCTION

SEC.32-T7N-R64W

NC Farms 16-32 Pad Sec.32-T7N-R64W

NC Farms 9-32

Wellbore #1

Plan #1 (11-03-11)

Anticollision Report

04 November, 2011

| | | | |
|---------------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Company: | BAYSWATER EXPLORATION & PRODUCTION | Local Co-ordinate Reference: | Well NC Farms 9-32 |
| Project: | SEC.32-T7N-R64W | TVD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Reference Site: | NC Farms 16-32 Pad Sec.32-T7N-R64W | MD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | NC Farms 9-32 | 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 (11-03-11) | Offset TVD Reference: | Offset Datum |

| | | | |
|-------------------------------------|---|-----------------------|---------------------|
| Reference | Plan #1 (11-03-11) | | |
| Filter type: | NO GLOBAL FILTER: Using user defined selection & filtering criteria | | |
| Interpolation Method: | Stations | 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 | 11/4/2011 | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description |
| 0.0 | 7,581.6 | Plan #1 (11-03-11) (Wellbore #1) | MWD | MWD - Standard |

| | | | | | | |
|---|--------------------------------------|-----------------------------------|--------------------------------------|---|----------------|----|
| Summary | | | | | | |
| Site Name | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Separation Between Ellipses (ft) | Warning | |
| Offset Well - Wellbore - Design | | | | | | |
| NC Farms 16-32 Pad Sec.32-T7N-R64W | | | | | | |
| NC Farms 16-32 - Wellbore #1 - Plan #1 (11-03-11) | 256.8 | 256.8 | 15.0 | 14.1 | 16.141 | CC |
| NC Farms 16-32 - Wellbore #1 - Plan #1 (11-03-11) | 300.0 | 300.0 | 15.0 | 13.9 | 13.394 | ES |
| NC Farms 16-32 - Wellbore #1 - Plan #1 (11-03-11) | 400.0 | 399.8 | 16.3 | 14.7 | 10.321 | SF |
| NC Farms 20-32 - Wellbore #1 - Plan #1 (11-03-11) | 200.0 | 199.0 | 15.0 | 14.3 | 22.345 | CC |
| NC Farms 20-32 - Wellbore #1 - Plan #1 (11-03-11) | 300.0 | 299.0 | 15.2 | 14.1 | 13.573 | ES |
| NC Farms 20-32 - Wellbore #1 - Plan #1 (11-03-11) | 400.0 | 398.8 | 16.9 | 15.4 | 10.720 | SF |

| | | | | | | | | | | | | |
|--|----------------------------|-----------------------------------|----------------------------|-----------------------|--------------------|------------------------------|--|-------------------|--------------------------------------|------------------------------|--------------------------------|----------------|
| Offset Design | | | | | | | | | | | | |
| NC Farms 16-32 Pad Sec.32-T7N-R64W - NC Farms 16-32 - Wellbore #1 - Plan #1 (11-03-11) | | | | | | | | | | | | |
| Survey Program: 0-MWD | | | | | | | | | | | | |
| Reference | | | | | | | | | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Offset Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Distance Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Warning |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 89.95 | 0.0 | 15.0 | 15.0 | 15.0 | 0.00 | N/A |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 89.95 | 0.0 | 15.0 | 15.0 | 14.8 | 0.22 | 66.793 |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 89.95 | 0.0 | 15.0 | 15.0 | 14.3 | 0.67 | 22.264 |
| 256.8 | 256.8 | 256.8 | 256.8 | 0.5 | 0.5 | 90.00 | 0.0 | 15.0 | 15.0 | 14.1 | 0.93 | 16.141 CC |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.6 | 0.6 | 94.50 | 0.0 | 15.0 | 15.0 | 13.9 | 1.12 | 13.394 ES |
| 400.0 | 399.8 | 399.8 | 399.8 | 0.8 | 0.8 | 113.10 | 0.0 | 15.0 | 16.3 | 14.7 | 1.58 | 10.321 SF |
| 500.0 | 499.5 | 499.5 | 499.5 | 1.0 | 1.0 | 135.09 | 0.0 | 15.0 | 21.3 | 19.3 | 2.05 | 10.376 |
| 600.0 | 598.7 | 598.7 | 598.7 | 1.3 | 1.2 | 150.99 | 0.0 | 15.0 | 31.2 | 28.6 | 2.53 | 12.339 |
| 700.0 | 697.5 | 697.5 | 697.5 | 1.6 | 1.5 | 160.48 | 0.0 | 15.0 | 45.5 | 42.5 | 2.99 | 15.205 |
| 800.0 | 795.6 | 795.6 | 795.6 | 2.0 | 1.7 | 166.11 | 0.0 | 15.0 | 63.8 | 60.4 | 3.46 | 18.461 |
| 900.0 | 893.1 | 893.1 | 893.1 | 2.4 | 1.9 | 169.63 | 0.0 | 15.0 | 85.9 | 81.9 | 3.92 | 21.887 |
| 1,000.0 | 989.6 | 989.6 | 989.6 | 2.9 | 2.1 | 171.95 | 0.0 | 15.0 | 111.4 | 107.0 | 4.39 | 25.386 |
| 1,100.0 | 1,085.3 | 1,085.3 | 1,085.3 | 3.5 | 2.3 | 173.56 | 0.0 | 15.0 | 140.5 | 135.6 | 4.86 | 28.911 |
| 1,209.2 | 1,188.4 | 1,188.4 | 1,188.4 | 4.1 | 2.6 | 174.79 | 0.0 | 15.0 | 176.0 | 170.6 | 5.37 | 32.759 |
| 1,300.0 | 1,273.7 | 1,273.7 | 1,273.7 | 4.7 | 2.8 | 175.58 | 0.0 | 15.0 | 207.2 | 201.4 | 5.82 | 35.592 |
| 1,400.0 | 1,367.5 | 1,367.5 | 1,367.5 | 5.4 | 3.0 | 176.21 | 0.0 | 15.0 | 241.7 | 235.3 | 6.32 | 38.214 |
| 1,500.0 | 1,461.4 | 1,461.4 | 1,461.4 | 6.0 | 3.2 | 176.68 | 0.0 | 15.0 | 276.1 | 269.3 | 6.83 | 40.425 |
| 1,600.0 | 1,555.3 | 1,561.9 | 1,561.9 | 6.7 | 3.4 | 177.05 | 0.7 | 15.1 | 310.0 | 302.6 | 7.35 | 42.168 |
| 1,700.0 | 1,649.1 | 1,669.1 | 1,669.0 | 7.4 | 3.6 | 177.28 | 5.0 | 15.7 | 340.7 | 332.8 | 7.88 | 43.229 |
| 1,800.0 | 1,743.0 | 1,778.8 | 1,778.3 | 8.0 | 3.9 | 177.37 | 13.4 | 16.8 | 367.8 | 359.4 | 8.42 | 43.669 |
| 1,900.0 | 1,836.8 | 1,890.7 | 1,889.5 | 8.7 | 4.1 | 177.35 | 26.4 | 18.6 | 391.2 | 382.2 | 8.98 | 43.572 |

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 NC Farms 9-32 |
| Project: | SEC.32-T7N-R64W | TVD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Reference Site: | NC Farms 16-32 Pad Sec.32-T7N-R64W | MD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | NC Farms 9-32 | 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 (11-03-11) | Offset TVD Reference: | Offset Datum |

| Offset Design NC Farms 16-32 Pad Sec.32-T7N-R64W - NC Farms 16-32 - Wellbore #1 - Plan #1 (11-03-11) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| 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 | | |
| 2,000.0 | 1,930.7 | 2,004.5 | 2,001.9 | 9.4 | 4.4 | 177.25 | 43.9 | 21.0 | 410.8 | 401.3 | 9.55 | 43.022 | | |
| 2,100.0 | 2,024.6 | 2,107.7 | 2,103.3 | 10.0 | 4.7 | 177.11 | 62.8 | 23.6 | 427.5 | 417.4 | 10.11 | 42.296 | | |
| 2,200.0 | 2,118.4 | 2,206.3 | 2,200.2 | 10.7 | 5.0 | 176.98 | 81.0 | 26.1 | 444.1 | 433.4 | 10.67 | 41.633 | | |
| 2,300.0 | 2,212.3 | 2,304.9 | 2,297.1 | 11.4 | 5.3 | 176.86 | 99.2 | 28.5 | 460.7 | 449.5 | 11.23 | 41.028 | | |
| 2,400.0 | 2,306.1 | 2,403.5 | 2,394.0 | 12.1 | 5.6 | 176.75 | 117.4 | 31.0 | 477.3 | 465.5 | 11.79 | 40.465 | | |
| 2,500.0 | 2,400.0 | 2,502.1 | 2,490.9 | 12.7 | 6.0 | 176.64 | 135.6 | 33.5 | 493.9 | 481.5 | 12.36 | 39.946 | | |
| 2,600.0 | 2,493.9 | 2,600.7 | 2,587.7 | 13.4 | 6.3 | 176.55 | 153.8 | 36.0 | 510.4 | 497.5 | 12.93 | 39.464 | | |
| 2,700.0 | 2,587.7 | 2,699.4 | 2,684.6 | 14.1 | 6.7 | 176.45 | 172.0 | 38.5 | 527.0 | 513.5 | 13.51 | 39.016 | | |
| 2,800.0 | 2,681.6 | 2,798.0 | 2,781.5 | 14.8 | 7.0 | 176.37 | 190.1 | 41.0 | 543.6 | 529.5 | 14.08 | 38.600 | | |
| 2,900.0 | 2,775.4 | 2,896.6 | 2,878.4 | 15.5 | 7.4 | 176.29 | 208.3 | 43.4 | 560.2 | 545.6 | 14.66 | 38.211 | | |
| 3,000.0 | 2,869.3 | 2,995.2 | 2,975.3 | 16.1 | 7.7 | 176.21 | 226.5 | 45.9 | 576.8 | 561.6 | 15.24 | 37.848 | | |
| 3,100.0 | 2,963.1 | 3,093.8 | 3,072.2 | 16.8 | 8.1 | 176.14 | 244.7 | 48.4 | 593.4 | 577.6 | 15.82 | 37.509 | | |
| 3,200.0 | 3,057.0 | 3,192.4 | 3,169.1 | 17.5 | 8.5 | 176.07 | 262.9 | 50.9 | 610.0 | 593.6 | 16.40 | 37.190 | | |
| 3,300.0 | 3,150.9 | 3,291.0 | 3,265.9 | 18.2 | 8.8 | 176.01 | 281.1 | 53.4 | 626.6 | 609.6 | 16.98 | 36.891 | | |
| 3,400.0 | 3,244.7 | 3,389.6 | 3,362.8 | 18.9 | 9.2 | 175.95 | 299.3 | 55.9 | 643.2 | 625.6 | 17.57 | 36.609 | | |
| 3,500.0 | 3,338.6 | 3,488.2 | 3,459.7 | 19.5 | 9.6 | 175.89 | 317.5 | 58.4 | 659.8 | 641.6 | 18.15 | 36.343 | | |
| 3,600.0 | 3,432.4 | 3,586.9 | 3,556.6 | 20.2 | 10.0 | 175.83 | 335.7 | 60.8 | 676.4 | 657.6 | 18.74 | 36.093 | | |
| 3,700.0 | 3,526.3 | 3,685.5 | 3,653.5 | 20.9 | 10.4 | 175.78 | 353.9 | 63.3 | 693.0 | 673.6 | 19.33 | 35.856 | | |
| 3,800.0 | 3,620.2 | 3,784.1 | 3,750.4 | 21.6 | 10.7 | 175.73 | 372.1 | 65.8 | 709.6 | 689.6 | 19.91 | 35.631 | | |
| 3,900.0 | 3,714.0 | 3,882.7 | 3,847.3 | 22.2 | 11.1 | 175.68 | 390.3 | 68.3 | 726.2 | 705.7 | 20.50 | 35.419 | | |
| 4,000.0 | 3,807.9 | 3,981.3 | 3,944.2 | 22.9 | 11.5 | 175.64 | 408.5 | 70.8 | 742.8 | 721.7 | 21.09 | 35.217 | | |
| 4,100.0 | 3,901.7 | 4,064.2 | 4,025.7 | 23.6 | 11.8 | 175.61 | 423.2 | 72.8 | 760.1 | 738.5 | 21.62 | 35.157 | | |
| 4,200.0 | 3,995.6 | 4,141.7 | 4,102.3 | 24.3 | 12.0 | 175.61 | 434.9 | 74.4 | 780.1 | 758.0 | 22.12 | 35.270 | | |
| 4,300.0 | 4,089.5 | 4,218.3 | 4,178.3 | 25.0 | 12.2 | 175.64 | 444.4 | 75.7 | 802.6 | 780.0 | 22.60 | 35.517 | | |
| 4,400.0 | 4,183.3 | 4,300.0 | 4,259.6 | 25.6 | 12.4 | 175.69 | 452.3 | 76.8 | 827.7 | 804.6 | 23.08 | 35.861 | | |
| 4,500.0 | 4,277.2 | 4,368.4 | 4,327.8 | 26.3 | 12.6 | 175.76 | 457.2 | 77.4 | 855.3 | 831.7 | 23.53 | 36.342 | | |
| 4,600.0 | 4,371.0 | 4,441.8 | 4,401.2 | 27.0 | 12.7 | 175.85 | 460.7 | 77.9 | 885.3 | 861.3 | 23.99 | 36.901 | | |
| 4,700.0 | 4,464.9 | 4,514.0 | 4,473.3 | 27.7 | 12.8 | 175.95 | 462.2 | 78.1 | 917.7 | 893.2 | 24.44 | 37.546 | | |
| 4,800.0 | 4,558.8 | 4,599.4 | 4,558.8 | 28.4 | 13.0 | 176.08 | 462.3 | 78.1 | 951.9 | 927.0 | 24.92 | 38.204 | | |
| 4,900.0 | 4,652.6 | 4,693.3 | 4,652.6 | 29.0 | 13.1 | 176.22 | 462.3 | 78.1 | 986.4 | 960.9 | 25.43 | 38.789 | | |
| 5,000.0 | 4,746.5 | 4,787.2 | 4,746.5 | 29.7 | 13.3 | 176.34 | 462.3 | 78.1 | 1,020.8 | 994.8 | 25.94 | 39.349 | | |
| 5,100.0 | 4,840.3 | 4,881.0 | 4,840.3 | 30.4 | 13.4 | 176.46 | 462.3 | 78.1 | 1,055.2 | 1,028.8 | 26.46 | 39.886 | | |
| 5,200.0 | 4,934.2 | 4,974.9 | 4,934.2 | 31.1 | 13.6 | 176.58 | 462.3 | 78.1 | 1,089.7 | 1,062.7 | 26.97 | 40.401 | | |
| 5,282.4 | 5,011.6 | 5,052.2 | 5,011.6 | 31.6 | 13.7 | 176.66 | 462.3 | 78.1 | 1,118.1 | 1,090.7 | 27.40 | 40.809 | | |
| 5,300.0 | 5,028.1 | 5,068.8 | 5,028.1 | 31.8 | 13.8 | 176.69 | 462.3 | 78.1 | 1,124.1 | 1,096.6 | 27.50 | 40.874 | | |
| 5,400.0 | 5,122.7 | 5,163.4 | 5,122.7 | 32.2 | 13.9 | 176.82 | 462.3 | 78.1 | 1,156.3 | 1,128.3 | 28.05 | 41.227 | | |
| 5,500.0 | 5,218.4 | 5,259.1 | 5,218.4 | 32.7 | 14.1 | 176.93 | 462.3 | 78.1 | 1,185.2 | 1,156.7 | 28.56 | 41.506 | | |
| 5,600.0 | 5,315.1 | 5,355.8 | 5,315.1 | 33.1 | 14.3 | 177.02 | 462.3 | 78.1 | 1,210.8 | 1,181.8 | 29.02 | 41.717 | | |
| 5,700.0 | 5,412.6 | 5,453.3 | 5,412.6 | 33.5 | 14.4 | 177.10 | 462.3 | 78.1 | 1,233.0 | 1,203.5 | 29.45 | 41.866 | | |
| 5,800.0 | 5,510.8 | 5,551.5 | 5,510.8 | 33.8 | 14.6 | 177.16 | 462.3 | 78.1 | 1,251.7 | 1,221.9 | 29.83 | 41.956 | | |
| 5,900.0 | 5,609.6 | 5,650.3 | 5,609.6 | 34.1 | 14.8 | 177.21 | 462.3 | 78.1 | 1,267.1 | 1,236.9 | 30.17 | 41.991 | | |
| 6,000.0 | 5,708.9 | 5,749.6 | 5,708.9 | 34.3 | 15.0 | 177.25 | 462.3 | 78.1 | 1,279.0 | 1,248.5 | 30.47 | 41.974 | | |
| 6,100.0 | 5,808.5 | 5,849.2 | 5,808.5 | 34.5 | 15.1 | 177.27 | 462.3 | 78.1 | 1,287.4 | 1,256.7 | 30.72 | 41.907 | | |
| 6,200.0 | 5,908.4 | 5,949.1 | 5,908.4 | 34.7 | 15.3 | 177.29 | 462.3 | 78.1 | 1,292.3 | 1,261.4 | 30.92 | 41.791 | | |
| 6,291.6 | 6,000.0 | 6,040.7 | 6,000.0 | 34.7 | 15.5 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,262.7 | 31.07 | 41.642 | | |
| 6,300.0 | 6,008.4 | 6,049.1 | 6,008.4 | 34.8 | 15.5 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,262.7 | 31.10 | 41.602 | | |
| 6,400.0 | 6,108.4 | 6,149.1 | 6,108.4 | 34.8 | 15.7 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,262.3 | 31.47 | 41.109 | | |
| 6,500.0 | 6,208.4 | 6,249.1 | 6,208.4 | 34.9 | 15.9 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,261.9 | 31.85 | 40.625 | | |
| 6,600.0 | 6,308.4 | 6,349.1 | 6,308.4 | 35.0 | 16.1 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,261.5 | 32.22 | 40.151 | | |
| 6,700.0 | 6,408.4 | 6,449.1 | 6,408.4 | 35.1 | 16.3 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,261.2 | 32.60 | 39.686 | | |
| 6,800.0 | 6,508.4 | 6,549.1 | 6,508.4 | 35.2 | 16.5 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,260.8 | 32.98 | 39.229 | | |

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 NC Farms 9-32 |
| Project: | SEC.32-T7N-R64W | TVD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Reference Site: | NC Farms 16-32 Pad Sec.32-T7N-R64W | MD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | NC Farms 9-32 | 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 (11-03-11) | Offset TVD Reference: | Offset Datum |

| Offset Design NC Farms 16-32 Pad Sec.32-T7N-R64W - NC Farms 16-32 - Wellbore #1 - Plan #1 (11-03-11) | | | | | | | | | | | Offset Site Error: | | 0.0 ft | |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|---------|--|
| Survey Program: 0-MWD | | | | | | | | | | | Offset Well Error: | | 0.0 ft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| 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 | | |
| 6,900.0 | 6,608.4 | 6,649.1 | 6,608.4 | 35.2 | 16.6 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,260.4 | 33.36 | 38.781 | | |
| 7,000.0 | 6,708.4 | 6,749.1 | 6,708.4 | 35.3 | 16.8 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,260.0 | 33.74 | 38.342 | | |
| 7,100.0 | 6,808.4 | 6,849.1 | 6,808.4 | 35.4 | 17.0 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,259.6 | 34.13 | 37.910 | | |
| 7,200.0 | 6,908.4 | 6,949.1 | 6,908.4 | 35.5 | 17.2 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,259.3 | 34.51 | 37.487 | | |
| 7,300.0 | 7,008.4 | 7,049.1 | 7,008.4 | 35.6 | 17.4 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,258.9 | 34.90 | 37.072 | | |
| 7,400.0 | 7,108.4 | 7,149.1 | 7,108.4 | 35.7 | 17.6 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,258.5 | 35.29 | 36.664 | | |
| 7,500.0 | 7,208.4 | 7,249.1 | 7,208.4 | 35.8 | 17.8 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,258.1 | 35.68 | 36.264 | | |
| 7,552.6 | 7,261.0 | 7,301.7 | 7,261.0 | 35.8 | 17.9 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,257.9 | 35.88 | 36.056 | | |
| 7,581.6 | 7,290.0 | 7,325.7 | 7,285.0 | 35.8 | 18.0 | 179.40 | 462.3 | 78.1 | 1,293.8 | 1,257.8 | 35.98 | 35.954 | | |

| | | | |
|---------------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Company: | BAYSWATER EXPLORATION & PRODUCTION | Local Co-ordinate Reference: | Well NC Farms 9-32 |
| Project: | SEC.32-T7N-R64W | TVD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Reference Site: | NC Farms 16-32 Pad Sec.32-T7N-R64W | MD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | NC Farms 9-32 | 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 (11-03-11) | Offset TVD Reference: | Offset Datum |

| Offset Design NC Farms 16-32 Pad Sec.32-T7N-R64W - NC Farms 20-32 - Wellbore #1 - Plan #1 (11-03-11) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| 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 | -91.36 | -0.4 | -15.0 | 15.1 | 15.1 | 0.00 | N/A | | |
| 100.0 | 100.0 | 99.0 | 99.0 | 0.1 | 0.1 | -91.36 | -0.4 | -15.0 | 15.0 | 14.8 | 0.22 | 67.147 | | |
| 200.0 | 200.0 | 199.0 | 199.0 | 0.3 | 0.3 | -91.36 | -0.4 | -15.0 | 15.0 | 14.3 | 0.67 | 22.345 CC | | |
| 300.0 | 300.0 | 299.0 | 299.0 | 0.6 | 0.6 | -100.03 | -0.4 | -15.0 | 15.2 | 14.1 | 1.12 | 13.573 ES | | |
| 400.0 | 399.8 | 398.8 | 398.8 | 0.8 | 0.8 | -117.69 | -0.4 | -15.0 | 16.9 | 15.4 | 1.58 | 10.720 SF | | |
| 500.0 | 499.5 | 498.5 | 498.5 | 1.0 | 1.0 | -137.76 | -0.4 | -15.0 | 22.4 | 20.3 | 2.05 | 10.898 | | |
| 600.0 | 598.7 | 597.7 | 597.7 | 1.3 | 1.2 | -152.26 | -0.4 | -15.0 | 32.5 | 29.9 | 2.52 | 12.856 | | |
| 700.0 | 697.5 | 696.5 | 696.5 | 1.6 | 1.5 | -161.09 | -0.4 | -15.0 | 46.9 | 43.9 | 2.99 | 15.674 | | |
| 800.0 | 795.6 | 794.6 | 794.6 | 2.0 | 1.7 | -166.43 | -0.4 | -15.0 | 65.3 | 61.8 | 3.46 | 18.878 | | |
| 900.0 | 893.1 | 892.1 | 892.1 | 2.4 | 1.9 | -169.82 | -0.4 | -15.0 | 87.3 | 83.4 | 3.92 | 22.258 | | |
| 1,000.0 | 989.6 | 989.9 | 989.9 | 2.9 | 2.1 | -172.00 | -0.1 | -15.1 | 112.7 | 108.3 | 4.39 | 25.672 | | |
| 1,100.0 | 1,085.3 | 1,089.8 | 1,089.8 | 3.5 | 2.3 | -172.87 | 2.7 | -16.6 | 139.2 | 134.4 | 4.86 | 28.670 | | |
| 1,209.2 | 1,188.4 | 1,199.6 | 1,199.3 | 4.1 | 2.6 | -172.82 | 9.3 | -20.0 | 169.0 | 163.6 | 5.38 | 31.403 | | |
| 1,300.0 | 1,273.7 | 1,292.0 | 1,291.2 | 4.7 | 2.8 | -172.33 | 17.8 | -24.3 | 192.9 | 187.0 | 5.86 | 32.915 | | |
| 1,400.0 | 1,367.5 | 1,395.0 | 1,393.2 | 5.4 | 3.1 | -171.34 | 30.4 | -30.7 | 216.6 | 210.1 | 6.42 | 33.736 | | |
| 1,500.0 | 1,461.4 | 1,499.1 | 1,495.8 | 6.0 | 3.4 | -169.97 | 46.4 | -38.9 | 237.5 | 230.5 | 7.02 | 33.828 | | |
| 1,600.0 | 1,555.3 | 1,604.2 | 1,598.5 | 6.7 | 3.7 | -168.27 | 65.9 | -48.9 | 255.9 | 248.2 | 7.68 | 33.309 | | |
| 1,700.0 | 1,649.1 | 1,709.9 | 1,701.0 | 7.4 | 4.1 | -166.26 | 88.9 | -60.6 | 271.6 | 263.2 | 8.41 | 32.283 | | |
| 1,800.0 | 1,743.0 | 1,814.5 | 1,801.5 | 8.0 | 4.6 | -163.97 | 114.9 | -73.9 | 285.1 | 275.9 | 9.23 | 30.874 | | |
| 1,900.0 | 1,836.8 | 1,913.1 | 1,895.8 | 8.7 | 5.1 | -161.85 | 140.4 | -86.9 | 298.1 | 288.0 | 10.09 | 29.532 | | |
| 2,000.0 | 1,930.7 | 2,011.7 | 1,990.1 | 9.4 | 5.6 | -159.91 | 165.9 | -100.0 | 311.5 | 300.5 | 11.01 | 28.301 | | |
| 2,100.0 | 2,024.6 | 2,110.2 | 2,084.4 | 10.0 | 6.1 | -158.12 | 191.5 | -113.0 | 325.2 | 313.3 | 11.96 | 27.194 | | |
| 2,200.0 | 2,118.4 | 2,208.8 | 2,178.7 | 10.7 | 6.6 | -156.49 | 217.0 | -126.1 | 339.2 | 326.3 | 12.94 | 26.204 | | |
| 2,300.0 | 2,212.3 | 2,307.3 | 2,273.0 | 11.4 | 7.2 | -154.98 | 242.6 | -139.1 | 353.5 | 339.5 | 13.96 | 25.319 | | |
| 2,400.0 | 2,306.1 | 2,405.9 | 2,367.3 | 12.1 | 7.7 | -153.58 | 268.1 | -152.2 | 367.9 | 352.9 | 15.00 | 24.529 | | |
| 2,500.0 | 2,400.0 | 2,504.5 | 2,461.6 | 12.7 | 8.3 | -152.30 | 293.6 | -165.2 | 382.6 | 366.5 | 16.06 | 23.824 | | |
| 2,600.0 | 2,493.9 | 2,603.0 | 2,555.9 | 13.4 | 8.8 | -151.10 | 319.2 | -178.3 | 397.4 | 380.3 | 17.14 | 23.193 | | |
| 2,700.0 | 2,587.7 | 2,701.6 | 2,650.2 | 14.1 | 9.4 | -150.00 | 344.7 | -191.3 | 412.4 | 394.2 | 18.23 | 22.627 | | |
| 2,800.0 | 2,681.6 | 2,800.2 | 2,744.5 | 14.8 | 9.9 | -148.97 | 370.2 | -204.4 | 427.6 | 408.2 | 19.33 | 22.118 | | |
| 2,900.0 | 2,775.4 | 2,898.7 | 2,838.8 | 15.5 | 10.5 | -148.01 | 395.8 | -217.4 | 442.8 | 422.4 | 20.45 | 21.659 | | |
| 3,000.0 | 2,869.3 | 2,997.3 | 2,933.1 | 16.1 | 11.1 | -147.12 | 421.3 | -230.5 | 458.2 | 436.7 | 21.57 | 21.244 | | |
| 3,100.0 | 2,963.1 | 3,095.9 | 3,027.4 | 16.8 | 11.6 | -146.28 | 446.8 | -243.5 | 473.7 | 451.0 | 22.70 | 20.868 | | |
| 3,200.0 | 3,057.0 | 3,194.4 | 3,121.7 | 17.5 | 12.2 | -145.50 | 472.4 | -256.6 | 489.3 | 465.4 | 23.84 | 20.525 | | |
| 3,300.0 | 3,150.9 | 3,293.0 | 3,216.0 | 18.2 | 12.8 | -144.76 | 497.9 | -269.6 | 504.9 | 480.0 | 24.98 | 20.213 | | |
| 3,400.0 | 3,244.7 | 3,391.6 | 3,310.3 | 18.9 | 13.4 | -144.07 | 523.4 | -282.7 | 520.7 | 494.5 | 26.13 | 19.927 | | |
| 3,500.0 | 3,338.6 | 3,490.1 | 3,404.6 | 19.5 | 14.0 | -143.42 | 549.0 | -295.7 | 536.5 | 509.2 | 27.28 | 19.665 | | |
| 3,600.0 | 3,432.4 | 3,588.7 | 3,498.9 | 20.2 | 14.5 | -142.80 | 574.5 | -308.8 | 552.4 | 523.9 | 28.44 | 19.424 | | |
| 3,700.0 | 3,526.3 | 3,687.2 | 3,593.2 | 20.9 | 15.1 | -142.22 | 600.1 | -321.8 | 568.3 | 538.7 | 29.60 | 19.201 | | |
| 3,800.0 | 3,620.2 | 3,785.8 | 3,687.5 | 21.6 | 15.7 | -141.68 | 625.6 | -334.9 | 584.3 | 553.5 | 30.76 | 18.996 | | |
| 3,900.0 | 3,714.0 | 3,884.4 | 3,781.8 | 22.2 | 16.3 | -141.16 | 651.1 | -348.0 | 600.3 | 568.4 | 31.92 | 18.805 | | |
| 4,000.0 | 3,807.9 | 3,982.9 | 3,876.1 | 22.9 | 16.9 | -140.67 | 676.7 | -361.0 | 616.4 | 583.3 | 33.09 | 18.628 | | |
| 4,100.0 | 3,901.7 | 4,081.5 | 3,970.4 | 23.6 | 17.4 | -140.20 | 702.2 | -374.1 | 632.5 | 598.2 | 34.26 | 18.463 | | |
| 4,200.0 | 3,995.6 | 4,180.1 | 4,064.7 | 24.3 | 18.0 | -139.76 | 727.7 | -387.1 | 648.7 | 613.2 | 35.43 | 18.310 | | |
| 4,300.0 | 4,089.5 | 4,278.6 | 4,159.0 | 25.0 | 18.6 | -139.33 | 753.3 | -400.2 | 664.9 | 628.3 | 36.60 | 18.167 | | |
| 4,400.0 | 4,183.3 | 4,377.2 | 4,253.3 | 25.6 | 19.2 | -138.93 | 778.8 | -413.2 | 681.1 | 643.3 | 37.77 | 18.032 | | |
| 4,500.0 | 4,277.2 | 4,475.8 | 4,347.6 | 26.3 | 19.8 | -138.55 | 804.3 | -426.3 | 697.3 | 658.4 | 38.94 | 17.906 | | |
| 4,600.0 | 4,371.0 | 4,574.3 | 4,441.9 | 27.0 | 20.3 | -138.18 | 829.9 | -439.3 | 713.6 | 673.5 | 40.12 | 17.788 | | |
| 4,700.0 | 4,464.9 | 4,672.9 | 4,536.2 | 27.7 | 20.9 | -137.83 | 855.4 | -452.4 | 730.0 | 688.7 | 41.29 | 17.677 | | |
| 4,800.0 | 4,558.8 | 4,771.4 | 4,630.5 | 28.4 | 21.5 | -137.50 | 881.0 | -465.4 | 746.3 | 703.8 | 42.47 | 17.572 | | |
| 4,900.0 | 4,652.6 | 4,870.0 | 4,724.8 | 29.0 | 22.1 | -137.18 | 906.5 | -478.5 | 762.7 | 719.0 | 43.65 | 17.473 | | |
| 5,000.0 | 4,746.5 | 4,968.6 | 4,819.1 | 29.7 | 22.7 | -136.87 | 932.0 | -491.5 | 779.0 | 734.2 | 44.82 | 17.380 | | |

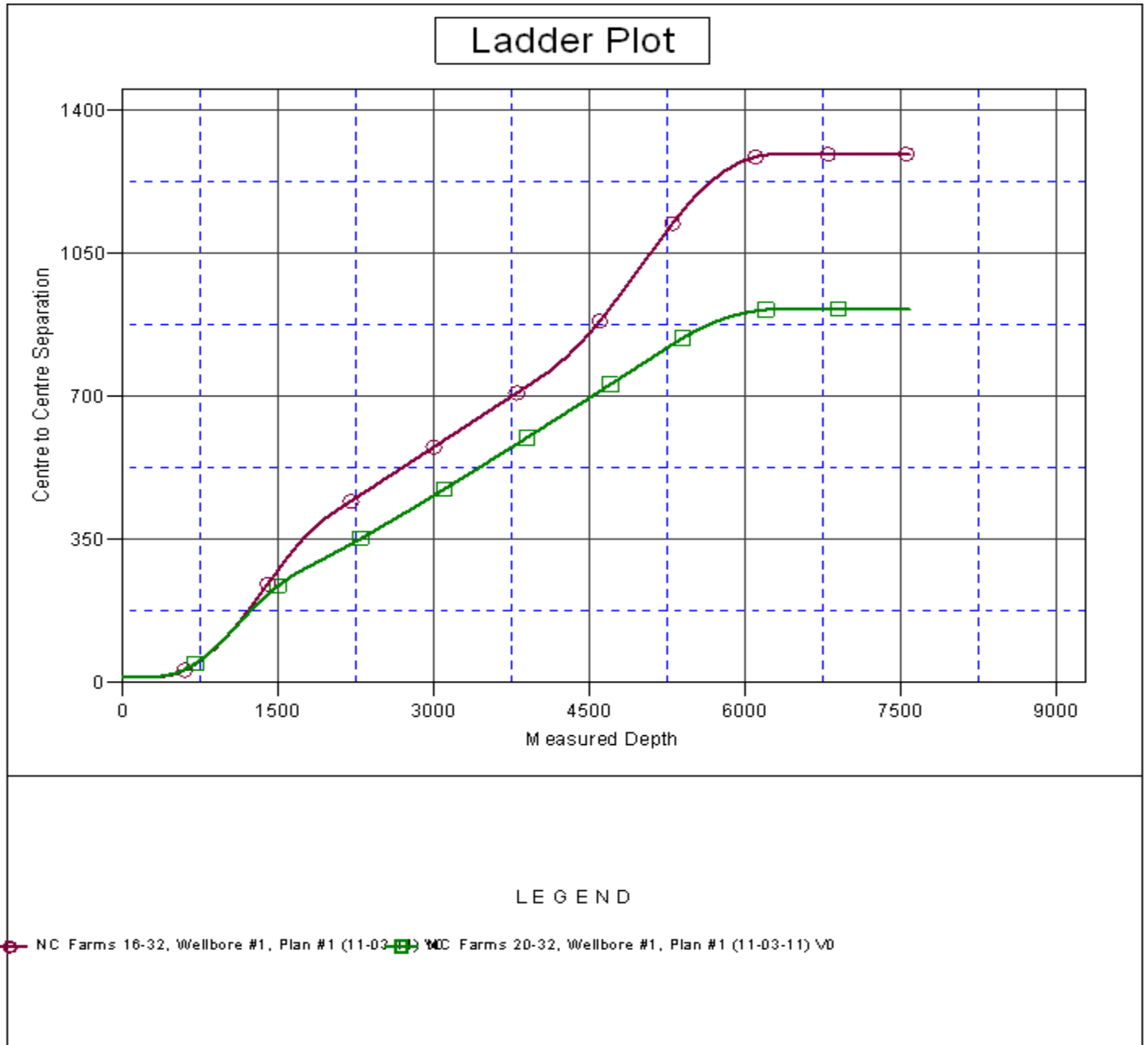
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

| | | | |
|---------------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Company: | BAYSWATER EXPLORATION & PRODUCTION | Local Co-ordinate Reference: | Well NC Farms 9-32 |
| Project: | SEC.32-T7N-R64W | TVD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Reference Site: | NC Farms 16-32 Pad Sec.32-T7N-R64W | MD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | NC Farms 9-32 | 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 (11-03-11) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|-----------------------------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| 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 | | |
| 5,100.0 | 4,840.3 | 5,067.1 | 4,913.4 | 30.4 | 23.3 | -136.58 | 957.6 | -504.6 | 795.5 | 749.5 | 46.00 | 17.291 | | |
| 5,200.0 | 4,934.2 | 5,165.7 | 5,007.7 | 31.1 | 23.9 | -136.30 | 983.1 | -517.6 | 811.9 | 764.7 | 47.18 | 17.208 | | |
| 5,282.4 | 5,011.6 | 5,245.3 | 5,083.9 | 31.6 | 24.3 | -136.08 | 1,003.7 | -528.1 | 825.5 | 777.3 | 48.13 | 17.152 | | |
| 5,300.0 | 5,028.1 | 5,261.2 | 5,099.1 | 31.8 | 24.4 | -136.08 | 1,007.7 | -530.2 | 828.4 | 780.1 | 48.30 | 17.149 | | |
| 5,400.0 | 5,122.7 | 5,351.8 | 5,186.4 | 32.2 | 24.8 | -136.12 | 1,029.0 | -541.1 | 844.0 | 794.8 | 49.17 | 17.163 | | |
| 5,500.0 | 5,218.4 | 5,442.5 | 5,274.6 | 32.7 | 25.2 | -136.18 | 1,047.9 | -550.7 | 858.1 | 808.2 | 49.94 | 17.183 | | |
| 5,600.0 | 5,315.1 | 5,533.3 | 5,363.6 | 33.1 | 25.5 | -136.26 | 1,064.3 | -559.1 | 870.7 | 820.1 | 50.62 | 17.201 | | |
| 5,700.0 | 5,412.6 | 5,624.3 | 5,453.2 | 33.5 | 25.8 | -136.35 | 1,078.2 | -566.2 | 881.7 | 830.5 | 51.21 | 17.218 | | |
| 5,800.0 | 5,510.8 | 5,715.3 | 5,543.3 | 33.8 | 26.0 | -136.46 | 1,089.5 | -572.0 | 891.2 | 839.5 | 51.71 | 17.235 | | |
| 5,900.0 | 5,609.6 | 5,806.4 | 5,633.9 | 34.1 | 26.2 | -136.58 | 1,098.3 | -576.5 | 899.1 | 847.0 | 52.12 | 17.252 | | |
| 6,000.0 | 5,708.9 | 5,900.0 | 5,727.2 | 34.3 | 26.4 | -136.72 | 1,104.7 | -579.8 | 905.5 | 853.0 | 52.43 | 17.269 | | |
| 6,100.0 | 5,808.5 | 5,988.6 | 5,815.7 | 34.5 | 26.5 | -136.86 | 1,108.3 | -581.6 | 910.2 | 857.6 | 52.65 | 17.290 | | |
| 6,200.0 | 5,908.4 | 6,080.3 | 5,907.4 | 34.7 | 26.6 | -137.03 | 1,109.4 | -582.1 | 913.4 | 860.7 | 52.77 | 17.309 | | |
| 6,291.6 | 6,000.0 | 6,171.9 | 5,999.0 | 34.7 | 26.7 | -135.00 | 1,109.4 | -582.1 | 914.5 | 861.6 | 52.87 | 17.296 | | |
| 6,300.0 | 6,008.4 | 6,180.3 | 6,007.4 | 34.8 | 26.7 | -135.00 | 1,109.4 | -582.1 | 914.5 | 861.6 | 52.89 | 17.291 | | |
| 6,400.0 | 6,108.4 | 6,280.3 | 6,107.4 | 34.8 | 26.8 | -135.00 | 1,109.4 | -582.1 | 914.5 | 861.4 | 53.10 | 17.222 | | |
| 6,500.0 | 6,208.4 | 6,380.3 | 6,207.4 | 34.9 | 27.0 | -135.00 | 1,109.4 | -582.1 | 914.5 | 861.2 | 53.32 | 17.153 | | |
| 6,600.0 | 6,308.4 | 6,480.3 | 6,307.4 | 35.0 | 27.1 | -135.00 | 1,109.4 | -582.1 | 914.5 | 861.0 | 53.53 | 17.083 | | |
| 6,700.0 | 6,408.4 | 6,580.3 | 6,407.4 | 35.1 | 27.2 | -135.00 | 1,109.4 | -582.1 | 914.5 | 860.7 | 53.75 | 17.013 | | |
| 6,800.0 | 6,508.4 | 6,680.3 | 6,507.4 | 35.2 | 27.3 | -135.00 | 1,109.4 | -582.1 | 914.5 | 860.5 | 53.98 | 16.942 | | |
| 6,900.0 | 6,608.4 | 6,780.3 | 6,607.4 | 35.2 | 27.4 | -135.00 | 1,109.4 | -582.1 | 914.5 | 860.3 | 54.20 | 16.872 | | |
| 7,000.0 | 6,708.4 | 6,880.3 | 6,707.4 | 35.3 | 27.5 | -135.00 | 1,109.4 | -582.1 | 914.5 | 860.1 | 54.43 | 16.801 | | |
| 7,100.0 | 6,808.4 | 6,980.3 | 6,807.4 | 35.4 | 27.6 | -135.00 | 1,109.4 | -582.1 | 914.5 | 859.8 | 54.66 | 16.730 | | |
| 7,200.0 | 6,908.4 | 7,080.3 | 6,907.4 | 35.5 | 27.7 | -135.00 | 1,109.4 | -582.1 | 914.5 | 859.6 | 54.90 | 16.658 | | |
| 7,300.0 | 7,008.4 | 7,180.3 | 7,007.4 | 35.6 | 27.9 | -135.00 | 1,109.4 | -582.1 | 914.5 | 859.4 | 55.13 | 16.587 | | |
| 7,400.0 | 7,108.4 | 7,280.3 | 7,107.4 | 35.7 | 28.0 | -135.00 | 1,109.4 | -582.1 | 914.5 | 859.1 | 55.37 | 16.515 | | |
| 7,500.0 | 7,208.4 | 7,380.3 | 7,207.4 | 35.8 | 28.1 | -135.00 | 1,109.4 | -582.1 | 914.5 | 858.9 | 55.62 | 16.443 | | |
| 7,581.6 | 7,290.0 | 7,461.9 | 7,289.0 | 35.8 | 28.2 | -135.00 | 1,109.4 | -582.1 | 914.5 | 858.7 | 55.81 | 16.384 | | |

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|---------------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Company: | BAYSWATER EXPLORATION & PRODUCTION | Local Co-ordinate Reference: | Well NC Farms 9-32 |
| Project: | SEC.32-T7N-R64W | TVD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Reference Site: | NC Farms 16-32 Pad Sec.32-T7N-R64W | MD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | NC Farms 9-32 | 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 (11-03-11) | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to WELL @ 4816.0ft (Original Well Elev) Coordinates are relative to: NC Farms 9-32
 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: 0.60°



| | | | |
|---------------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Company: | BAYSWATER EXPLORATION & PRODUCTION | Local Co-ordinate Reference: | Well NC Farms 9-32 |
| Project: | SEC.32-T7N-R64W | TVD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Reference Site: | NC Farms 16-32 Pad Sec.32-T7N-R64W | MD Reference: | WELL @ 4816.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | NC Farms 9-32 | 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 (11-03-11) | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to WELL @ 4816.0ft (Original Well Elev) Coordinates are relative to: NC Farms 9-32
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: 0.60°

