

Bayswater Exploration & Production, LLC

Well Name: **Ivey M-11-2HC**

Surface Location: Ivey Pad Sec.11-T1S-R68W

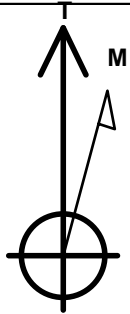
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

Ground Elevation: 5106.0

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|---|-------|------------|------------|-----------|-------------|------|
| 0.0 | 0.0 | 1234283.12 | 3149835.04 | 39.975251 | -104.965359 | |
| Original Well Elev WELL @ 5128.5ft (Original Well Elev) | | | | | | |

WELLBORE TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Shape |
|--|--------|--------|-------|-------|
| SHL 1176'FSL, 1664'FEL, SEC.11 | 1.0 | 0.0 | 0.0 | Point |
| BHL 465'FNL, 1015'FEL, SEC.2 | 7985.0 | 8670.4 | 676.0 | Point |
| LANDING PT. 1785'FSL, 1015'FEL, SEC.11 | 7985.0 | 608.0 | 648.8 | Point |



Azimuths to True North
Magnetic North: 8.52°

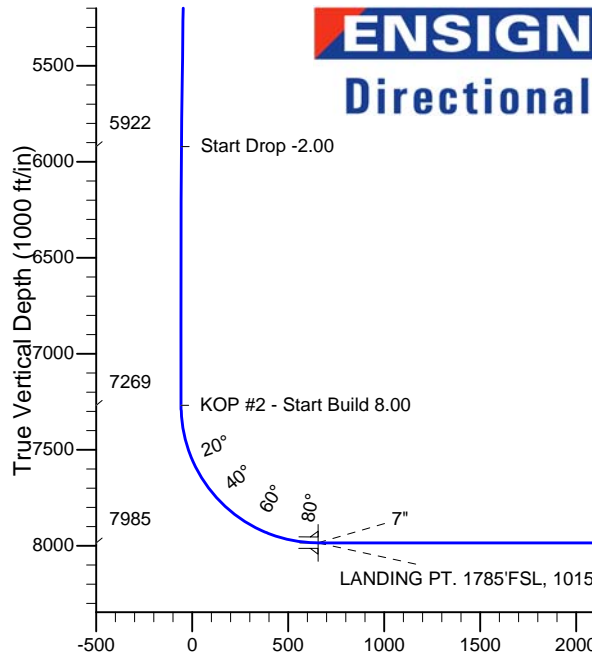
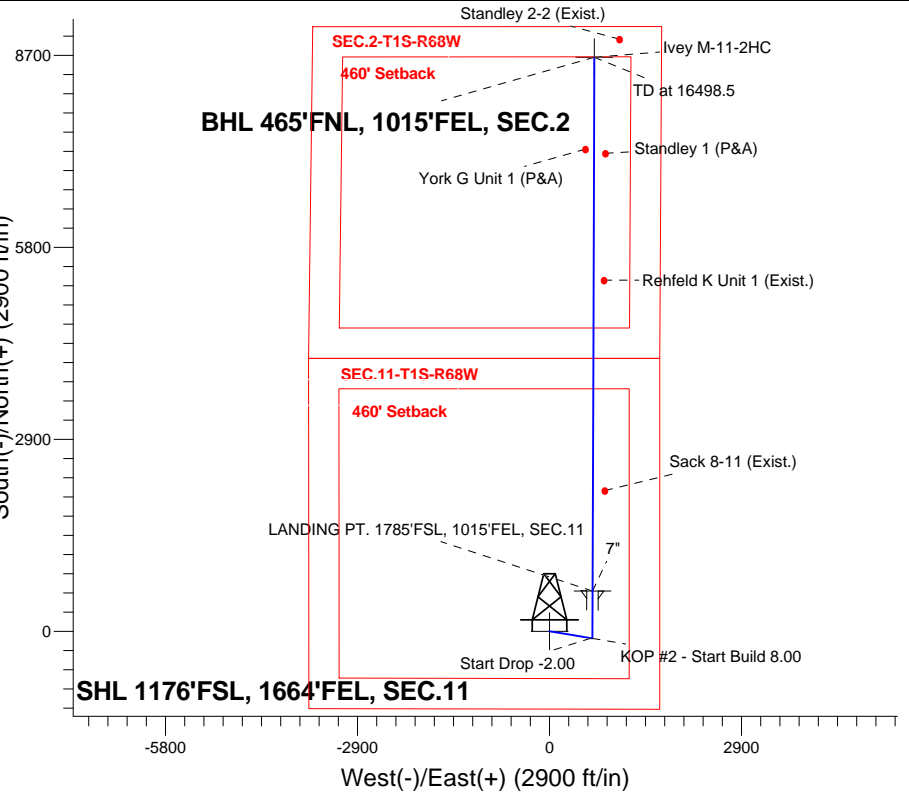
Magnetic Field
Strength: 52561.0nT
Dip Angle: 66.57°
Date: 7/10/2014
Model: IGRF2010

Ivey Pad Sec.11-T1S-R68W
Ivey M-11-2HC
Plan #1 (9-4-14)

ANNOTATIONS

| TVD | MD | Annotation |
|--------|---------|---------------------------|
| 1000.0 | 1000.0 | KOP - Start Build 2.00 |
| 5921.8 | 5963.0 | Start Drop -2.00 |
| 7269.0 | 7311.3 | KOP #2 - Start Build 8.00 |
| 7985.0 | 16498.5 | TD at 16498.5 |

South(-)/North(+) (2900 ft/in)



ENSIGN
Directional

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 | 1000.0 | 0.00 | 0.00 | 1000.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1379.4 | 7.59 | 99.49 | 1378.3 | -4.1 | 24.7 | 2.00 | 99.49 | -2.2 | |
| 4 | 5963.0 | 7.59 | 99.49 | 5921.7 | -103.9 | 621.7 | 0.00 | 0.00 | -55.2 | |
| 5 | 6342.3 | 0.00 | 0.00 | 6300.0 | -108.0 | 646.4 | 2.00 | 180.00 | -57.4 | |
| 6 | 7311.3 | 0.00 | 0.00 | 7269.0 | -108.0 | 646.4 | 0.00 | 0.00 | -57.4 | |
| 7 | 8436.0 | 90.00 | 0.19 | 7985.0 | 608.0 | 648.8 | 8.00 | 0.19 | 656.6 | |
| 8 | 8436.0 | 90.00 | 0.19 | 7985.0 | 608.0 | 648.8 | 0.00 | 0.00 | 656.6 | LANDING PT. 1785'FSL, 1015'FEL, SEC.11 |
| 9 | 8467.7 | 90.00 | 0.19 | 7985.0 | 639.6 | 648.9 | 0.01 | 90.00 | 688.1 | |
| 10 | 16498.5 | 90.00 | 0.19 | 7985.0 | 8670.4 | 676.0 | 0.00 | 0.00 | 8696.7 | BHL 465'FNL, 1015'FEL, SEC.2 |

BHL 465'FNL, 1015'FEL, SEC.2

TD at 16498.5

Vertical Section at 4.46° (1000 ft/in)



Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey M-11-2HC

Wellbore #1

Plan: Plan #1 (9-4-14)

Standard Planning Report

05 September, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

| | | | |
|------------------|---|-------------------------------------|--------------------------------------|
| Database: | landmark | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Company: | Bayswater Exploration & Production, LLC | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Project: | SEC.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site: | Ivey Pad Sec.11-T1S-R68W | North Reference: | True |
| Well: | Ivey M-11-2HC | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (9-4-14) | | |

| | | | |
|--------------------|--|----------------------|-----------------------------|
| Project | SEC.11-T1S-R68W, Weld County, Colorado | | |
| 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 | | | | | | Ivey Pad Sec.11-T1S-R68W | | | | | | | | | | | |
|-----------------------|--|--|----------|--|--|--------------------------|--|--|-----------------|--|--|-------------------|--|--|-------------|--|--|
| Site Position: | | | | | | Northing: | | | 1,234,283.31 ft | | | Latitude: | | | 39.975252 | | |
| From: | | | Lat/Long | | | Easting: | | | 3,149,805.06 ft | | | Longitude: | | | -104.965466 | | |
| Position Uncertainty: | | | 0.0 ft | | | Slot Radius: | | | " | | | Grid Convergence: | | | 0.35 ° | | |

| | | | | | | |
|----------------------|---------------|---------|---------------------|-----------------|---------------|-------------|
| Well | Ivey M-11-2HC | | | | | |
| Well Position | +N-S | -0.4 ft | Northing: | 1,234,283.12 ft | Latitude: | 39.975251 |
| | +E-W | 30.0 ft | Easting: | 3,149,835.04 ft | Longitude: | -104.965359 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 5,106.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 7/10/2014 | 8.52 | 66.57 | 52,561 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | Plan #1 (9-4-14) | | | |
| 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 | 4.46 |

| 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 | |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,379.4 | 7.59 | 99.49 | 1,378.3 | -4.1 | 24.7 | 2.00 | 2.00 | 0.00 | 99.49 | |
| 5,963.0 | 7.59 | 99.49 | 5,921.7 | -103.9 | 621.7 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,342.3 | 0.00 | 0.00 | 6,300.0 | -108.0 | 646.4 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 7,311.3 | 0.00 | 0.00 | 7,269.0 | -108.0 | 646.4 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,436.0 | 90.00 | 0.19 | 7,985.0 | 608.0 | 648.8 | 8.00 | 8.00 | 0.00 | 0.19 | |
| 8,436.0 | 90.00 | 0.19 | 7,985.0 | 608.0 | 648.8 | 0.00 | 0.00 | 0.00 | 0.00 | LANDING PT. 1785 |
| 8,467.7 | 90.00 | 0.19 | 7,985.0 | 639.6 | 648.9 | 0.01 | 0.00 | 0.01 | 90.00 | |
| 16,498.5 | 90.00 | 0.19 | 7,985.0 | 8,670.4 | 676.0 | 0.00 | 0.00 | 0.00 | 0.00 | BHL 465'FNL, 1015 |

| | | | |
|------------------|---|-------------------------------------|--------------------------------------|
| Database: | landmark | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Company: | Bayswater Exploration & Production, LLC | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Project: | SEC.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site: | Ivey Pad Sec.11-T1S-R68W | North Reference: | True |
| Well: | Ivey M-11-2HC | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (9-4-14) | | |

| Planned Survey | | | | | | | | | |
|-------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 800.0 | 0.00 | 0.00 | 800.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| KOP - Start Build 2.00 | | | | | | | | | |
| 1,100.0 | 2.00 | 99.49 | 1,100.0 | -0.3 | 1.7 | -0.2 | 2.00 | 2.00 | 0.00 |
| 1,200.0 | 4.00 | 99.49 | 1,199.8 | -1.2 | 6.9 | -0.6 | 2.00 | 2.00 | 0.00 |
| 1,300.0 | 6.00 | 99.49 | 1,299.5 | -2.6 | 15.5 | -1.4 | 2.00 | 2.00 | 0.00 |
| 1,379.4 | 7.59 | 99.49 | 1,378.3 | -4.1 | 24.7 | -2.2 | 2.00 | 2.00 | 0.00 |
| 1,400.0 | 7.59 | 99.49 | 1,398.7 | -4.6 | 27.4 | -2.4 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 7.59 | 99.49 | 1,497.8 | -6.8 | 40.4 | -3.6 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 7.59 | 99.49 | 1,597.0 | -8.9 | 53.5 | -4.8 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 7.59 | 99.49 | 1,696.1 | -11.1 | 66.5 | -5.9 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 7.59 | 99.49 | 1,795.2 | -13.3 | 79.5 | -7.1 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 7.59 | 99.49 | 1,894.3 | -15.5 | 92.5 | -8.2 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 7.59 | 99.49 | 1,993.5 | -17.6 | 105.6 | -9.4 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 7.59 | 99.49 | 2,092.6 | -19.8 | 118.6 | -10.5 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 7.59 | 99.49 | 2,191.7 | -22.0 | 131.6 | -11.7 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 7.59 | 99.49 | 2,290.8 | -24.2 | 144.6 | -12.9 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 7.59 | 99.49 | 2,390.0 | -26.3 | 157.7 | -14.0 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 7.59 | 99.49 | 2,489.1 | -28.5 | 170.7 | -15.2 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 7.59 | 99.49 | 2,588.2 | -30.7 | 183.7 | -16.3 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 7.59 | 99.49 | 2,687.3 | -32.9 | 196.7 | -17.5 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 7.59 | 99.49 | 2,786.5 | -35.0 | 209.7 | -18.6 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 7.59 | 99.49 | 2,885.6 | -37.2 | 222.8 | -19.8 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 7.59 | 99.49 | 2,984.7 | -39.4 | 235.8 | -20.9 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 7.59 | 99.49 | 3,083.8 | -41.6 | 248.8 | -22.1 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 7.59 | 99.49 | 3,183.0 | -43.7 | 261.8 | -23.3 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 7.59 | 99.49 | 3,282.1 | -45.9 | 274.9 | -24.4 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 7.59 | 99.49 | 3,381.2 | -48.1 | 287.9 | -25.6 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 7.59 | 99.49 | 3,480.3 | -50.3 | 300.9 | -26.7 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 7.59 | 99.49 | 3,579.5 | -52.5 | 313.9 | -27.9 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 7.59 | 99.49 | 3,678.6 | -54.6 | 327.0 | -29.0 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 7.59 | 99.49 | 3,777.7 | -56.8 | 340.0 | -30.2 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 7.59 | 99.49 | 3,876.8 | -59.0 | 353.0 | -31.4 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 7.59 | 99.49 | 3,975.9 | -61.2 | 366.0 | -32.5 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 7.59 | 99.49 | 4,075.1 | -63.3 | 379.0 | -33.7 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 7.59 | 99.49 | 4,174.2 | -65.5 | 392.1 | -34.8 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 7.59 | 99.49 | 4,273.3 | -67.7 | 405.1 | -36.0 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 7.59 | 99.49 | 4,372.4 | -69.9 | 418.1 | -37.1 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 7.59 | 99.49 | 4,471.6 | -72.0 | 431.1 | -38.3 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 7.59 | 99.49 | 4,570.7 | -74.2 | 444.2 | -39.5 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 7.59 | 99.49 | 4,669.8 | -76.4 | 457.2 | -40.6 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 7.59 | 99.49 | 4,768.9 | -78.6 | 470.2 | -41.8 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 7.59 | 99.49 | 4,868.1 | -80.7 | 483.2 | -42.9 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 7.59 | 99.49 | 4,967.2 | -82.9 | 496.3 | -44.1 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 7.59 | 99.49 | 5,066.3 | -85.1 | 509.3 | -45.2 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---|-------------------------------------|--------------------------------------|
| Database: | landmark | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Company: | Bayswater Exploration & Production, LLC | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Project: | SEC.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site: | Ivey Pad Sec.11-T1S-R68W | North Reference: | True |
| Well: | Ivey M-11-2HC | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (9-4-14) | | |

| 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) |
| 5,200.0 | 7.59 | 99.49 | 5,165.4 | -87.3 | 522.3 | -46.4 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 7.59 | 99.49 | 5,264.6 | -89.4 | 535.3 | -47.6 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 7.59 | 99.49 | 5,363.7 | -91.6 | 548.3 | -48.7 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 7.59 | 99.49 | 5,462.8 | -93.8 | 561.4 | -49.9 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 7.59 | 99.49 | 5,561.9 | -96.0 | 574.4 | -51.0 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 7.59 | 99.49 | 5,661.1 | -98.1 | 587.4 | -52.2 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 7.59 | 99.49 | 5,760.2 | -100.3 | 600.4 | -53.3 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 7.59 | 99.49 | 5,859.3 | -102.5 | 613.5 | -54.5 | 0.00 | 0.00 | 0.00 |
| 5,963.0 | 7.59 | 99.49 | 5,921.8 | -103.9 | 621.7 | -55.2 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 6,000.0 | 6.85 | 99.49 | 5,958.5 | -104.6 | 626.2 | -55.6 | 2.00 | -2.00 | 0.00 |
| 6,100.0 | 4.85 | 99.49 | 6,057.9 | -106.3 | 636.3 | -56.5 | 2.00 | -2.00 | 0.00 |
| 6,200.0 | 2.85 | 99.49 | 6,157.7 | -107.4 | 642.9 | -57.1 | 2.00 | -2.00 | 0.00 |
| 6,300.0 | 0.85 | 99.49 | 6,257.7 | -107.9 | 646.1 | -57.4 | 2.00 | -2.00 | 0.00 |
| 6,342.3 | 0.00 | 0.00 | 6,300.0 | -108.0 | 646.4 | -57.4 | 2.00 | -2.00 | 0.00 |
| 6,400.0 | 0.00 | 0.00 | 6,357.7 | -108.0 | 646.4 | -57.4 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 0.00 | 0.00 | 6,457.7 | -108.0 | 646.4 | -57.4 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 0.00 | 0.00 | 6,557.7 | -108.0 | 646.4 | -57.4 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 0.00 | 0.00 | 6,657.7 | -108.0 | 646.4 | -57.4 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 0.00 | 0.00 | 6,757.7 | -108.0 | 646.4 | -57.4 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 0.00 | 0.00 | 6,857.7 | -108.0 | 646.4 | -57.4 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 0.00 | 0.00 | 6,957.7 | -108.0 | 646.4 | -57.4 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 0.00 | 0.00 | 7,057.7 | -108.0 | 646.4 | -57.4 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 0.00 | 0.00 | 7,157.7 | -108.0 | 646.4 | -57.4 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 0.00 | 0.00 | 7,257.7 | -108.0 | 646.4 | -57.4 | 0.00 | 0.00 | 0.00 |
| 7,311.3 | 0.00 | 0.00 | 7,269.0 | -108.0 | 646.4 | -57.4 | 0.00 | 0.00 | 0.00 |
| KOP #2 - Start Build 8.00 | | | | | | | | | |
| 7,400.0 | 7.10 | 0.19 | 7,357.4 | -102.5 | 646.4 | -52.0 | 8.00 | 8.00 | 0.00 |
| 7,500.0 | 15.10 | 0.19 | 7,455.5 | -83.3 | 646.5 | -32.8 | 8.00 | 8.00 | 0.00 |
| 7,600.0 | 23.10 | 0.19 | 7,549.9 | -50.6 | 646.6 | -0.2 | 8.00 | 8.00 | 0.00 |
| 7,700.0 | 31.10 | 0.19 | 7,638.8 | -5.1 | 646.7 | 45.2 | 8.00 | 8.00 | 0.00 |
| 7,800.0 | 39.10 | 0.19 | 7,720.6 | 52.4 | 646.9 | 102.5 | 8.00 | 8.00 | 0.00 |
| 7,900.0 | 47.11 | 0.19 | 7,793.5 | 120.7 | 647.2 | 170.6 | 8.00 | 8.00 | 0.00 |
| 8,000.0 | 55.11 | 0.19 | 7,856.3 | 198.4 | 647.4 | 248.1 | 8.00 | 8.00 | 0.00 |
| 8,100.0 | 63.11 | 0.19 | 7,907.6 | 284.2 | 647.7 | 333.7 | 8.00 | 8.00 | 0.00 |
| 8,200.0 | 71.11 | 0.19 | 7,946.4 | 376.2 | 648.0 | 425.4 | 8.00 | 8.00 | 0.00 |
| 8,300.0 | 79.11 | 0.19 | 7,972.1 | 472.8 | 648.3 | 521.7 | 8.00 | 8.00 | 0.00 |
| 8,400.0 | 87.12 | 0.19 | 7,984.1 | 572.0 | 648.7 | 620.7 | 8.00 | 8.00 | 0.00 |
| 8,436.0 | 90.00 | 0.19 | 7,985.0 | 608.0 | 648.8 | 656.6 | 8.00 | 8.00 | 0.00 |
| 7" | | | | | | | | | |
| 8,467.7 | 90.00 | 0.19 | 7,985.0 | 639.6 | 648.9 | 688.1 | 0.01 | 0.01 | 0.01 |
| 8,500.0 | 90.00 | 0.19 | 7,985.0 | 672.0 | 649.0 | 720.4 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 90.00 | 0.19 | 7,985.0 | 772.0 | 649.4 | 820.1 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 90.00 | 0.19 | 7,985.0 | 872.0 | 649.7 | 919.8 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 90.00 | 0.19 | 7,985.0 | 972.0 | 650.0 | 1,019.5 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 90.00 | 0.19 | 7,985.0 | 1,072.0 | 650.4 | 1,119.3 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 90.00 | 0.19 | 7,985.0 | 1,172.0 | 650.7 | 1,219.0 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 90.00 | 0.19 | 7,985.0 | 1,272.0 | 651.0 | 1,318.7 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | 90.00 | 0.19 | 7,985.0 | 1,372.0 | 651.4 | 1,418.4 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 90.00 | 0.19 | 7,985.0 | 1,472.0 | 651.7 | 1,518.2 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 90.00 | 0.19 | 7,985.0 | 1,572.0 | 652.1 | 1,617.9 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 90.00 | 0.19 | 7,985.0 | 1,672.0 | 652.4 | 1,717.6 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 90.00 | 0.19 | 7,985.0 | 1,772.0 | 652.7 | 1,817.3 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---|-------------------------------------|--------------------------------------|
| Database: | landmark | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Company: | Bayswater Exploration & Production, LLC | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Project: | SEC.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site: | Ivey Pad Sec.11-T1S-R68W | North Reference: | True |
| Well: | Ivey M-11-2HC | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (9-4-14) | | |

| 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) |
| 9,700.0 | 90.00 | 0.19 | 7,985.0 | 1,872.0 | 653.1 | 1,917.1 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 90.00 | 0.19 | 7,985.0 | 1,972.0 | 653.4 | 2,016.8 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 90.00 | 0.19 | 7,985.0 | 2,072.0 | 653.7 | 2,116.5 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 90.00 | 0.19 | 7,985.0 | 2,172.0 | 654.1 | 2,216.2 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 90.00 | 0.19 | 7,985.0 | 2,272.0 | 654.4 | 2,315.9 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 90.00 | 0.19 | 7,985.0 | 2,372.0 | 654.8 | 2,415.7 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 90.00 | 0.19 | 7,985.0 | 2,472.0 | 655.1 | 2,515.4 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 90.00 | 0.19 | 7,985.0 | 2,572.0 | 655.4 | 2,615.1 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 90.00 | 0.19 | 7,985.0 | 2,672.0 | 655.8 | 2,714.8 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 90.00 | 0.19 | 7,985.0 | 2,772.0 | 656.1 | 2,814.6 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 90.00 | 0.19 | 7,985.0 | 2,872.0 | 656.4 | 2,914.3 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 90.00 | 0.19 | 7,985.0 | 2,972.0 | 656.8 | 3,014.0 | 0.00 | 0.00 | 0.00 |
| 10,900.0 | 90.00 | 0.19 | 7,985.0 | 3,072.0 | 657.1 | 3,113.7 | 0.00 | 0.00 | 0.00 |
| 11,000.0 | 90.00 | 0.19 | 7,985.0 | 3,172.0 | 657.5 | 3,213.5 | 0.00 | 0.00 | 0.00 |
| 11,100.0 | 90.00 | 0.19 | 7,985.0 | 3,271.9 | 657.8 | 3,313.2 | 0.00 | 0.00 | 0.00 |
| 11,200.0 | 90.00 | 0.19 | 7,985.0 | 3,371.9 | 658.1 | 3,412.9 | 0.00 | 0.00 | 0.00 |
| 11,300.0 | 90.00 | 0.19 | 7,985.0 | 3,471.9 | 658.5 | 3,512.6 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 90.00 | 0.19 | 7,985.0 | 3,571.9 | 658.8 | 3,612.3 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | 90.00 | 0.19 | 7,985.0 | 3,671.9 | 659.2 | 3,712.1 | 0.00 | 0.00 | 0.00 |
| 11,600.0 | 90.00 | 0.19 | 7,985.0 | 3,771.9 | 659.5 | 3,811.8 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 90.00 | 0.19 | 7,985.0 | 3,871.9 | 659.8 | 3,911.5 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 90.00 | 0.19 | 7,985.0 | 3,971.9 | 660.2 | 4,011.2 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | 90.00 | 0.19 | 7,985.0 | 4,071.9 | 660.5 | 4,111.0 | 0.00 | 0.00 | 0.00 |
| 12,000.0 | 90.00 | 0.19 | 7,985.0 | 4,171.9 | 660.8 | 4,210.7 | 0.00 | 0.00 | 0.00 |
| 12,100.0 | 90.00 | 0.19 | 7,985.0 | 4,271.9 | 661.2 | 4,310.4 | 0.00 | 0.00 | 0.00 |
| 12,200.0 | 90.00 | 0.19 | 7,985.0 | 4,371.9 | 661.5 | 4,410.1 | 0.00 | 0.00 | 0.00 |
| 12,300.0 | 90.00 | 0.19 | 7,985.0 | 4,471.9 | 661.9 | 4,509.9 | 0.00 | 0.00 | 0.00 |
| 12,400.0 | 90.00 | 0.19 | 7,985.0 | 4,571.9 | 662.2 | 4,609.6 | 0.00 | 0.00 | 0.00 |
| 12,500.0 | 90.00 | 0.19 | 7,985.0 | 4,671.9 | 662.5 | 4,709.3 | 0.00 | 0.00 | 0.00 |
| 12,600.0 | 90.00 | 0.19 | 7,985.0 | 4,771.9 | 662.9 | 4,809.0 | 0.00 | 0.00 | 0.00 |
| 12,700.0 | 90.00 | 0.19 | 7,985.0 | 4,871.9 | 663.2 | 4,908.8 | 0.00 | 0.00 | 0.00 |
| 12,800.0 | 90.00 | 0.19 | 7,985.0 | 4,971.9 | 663.5 | 5,008.5 | 0.00 | 0.00 | 0.00 |
| 12,900.0 | 90.00 | 0.19 | 7,985.0 | 5,071.9 | 663.9 | 5,108.2 | 0.00 | 0.00 | 0.00 |
| 13,000.0 | 90.00 | 0.19 | 7,985.0 | 5,171.9 | 664.2 | 5,207.9 | 0.00 | 0.00 | 0.00 |
| 13,100.0 | 90.00 | 0.19 | 7,985.0 | 5,271.9 | 664.6 | 5,307.6 | 0.00 | 0.00 | 0.00 |
| 13,200.0 | 90.00 | 0.19 | 7,985.0 | 5,371.9 | 664.9 | 5,407.4 | 0.00 | 0.00 | 0.00 |
| 13,300.0 | 90.00 | 0.19 | 7,985.0 | 5,471.9 | 665.2 | 5,507.1 | 0.00 | 0.00 | 0.00 |
| 13,400.0 | 90.00 | 0.19 | 7,985.0 | 5,571.9 | 665.6 | 5,606.8 | 0.00 | 0.00 | 0.00 |
| 13,500.0 | 90.00 | 0.19 | 7,985.0 | 5,671.9 | 665.9 | 5,706.5 | 0.00 | 0.00 | 0.00 |
| 13,600.0 | 90.00 | 0.19 | 7,985.0 | 5,771.9 | 666.2 | 5,806.3 | 0.00 | 0.00 | 0.00 |
| 13,700.0 | 90.00 | 0.19 | 7,985.0 | 5,871.9 | 666.6 | 5,906.0 | 0.00 | 0.00 | 0.00 |
| 13,800.0 | 90.00 | 0.19 | 7,985.0 | 5,971.9 | 666.9 | 6,005.7 | 0.00 | 0.00 | 0.00 |
| 13,900.0 | 90.00 | 0.19 | 7,985.0 | 6,071.9 | 667.3 | 6,105.4 | 0.00 | 0.00 | 0.00 |
| 14,000.0 | 90.00 | 0.19 | 7,985.0 | 6,171.9 | 667.6 | 6,205.2 | 0.00 | 0.00 | 0.00 |
| 14,100.0 | 90.00 | 0.19 | 7,985.0 | 6,271.9 | 667.9 | 6,304.9 | 0.00 | 0.00 | 0.00 |
| 14,200.0 | 90.00 | 0.19 | 7,985.0 | 6,371.9 | 668.3 | 6,404.6 | 0.00 | 0.00 | 0.00 |
| 14,300.0 | 90.00 | 0.19 | 7,985.0 | 6,471.9 | 668.6 | 6,504.3 | 0.00 | 0.00 | 0.00 |
| 14,400.0 | 90.00 | 0.19 | 7,985.0 | 6,571.9 | 669.0 | 6,604.0 | 0.00 | 0.00 | 0.00 |
| 14,500.0 | 90.00 | 0.19 | 7,985.0 | 6,671.9 | 669.3 | 6,703.8 | 0.00 | 0.00 | 0.00 |
| 14,600.0 | 90.00 | 0.19 | 7,985.0 | 6,771.9 | 669.6 | 6,803.5 | 0.00 | 0.00 | 0.00 |
| 14,700.0 | 90.00 | 0.19 | 7,985.0 | 6,871.9 | 670.0 | 6,903.2 | 0.00 | 0.00 | 0.00 |
| 14,800.0 | 90.00 | 0.19 | 7,985.0 | 6,971.9 | 670.3 | 7,002.9 | 0.00 | 0.00 | 0.00 |
| 14,900.0 | 90.00 | 0.19 | 7,985.0 | 7,071.9 | 670.6 | 7,102.7 | 0.00 | 0.00 | 0.00 |
| 15,000.0 | 90.00 | 0.19 | 7,985.0 | 7,171.9 | 671.0 | 7,202.4 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---|-------------------------------------|--------------------------------------|
| Database: | landmark | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Company: | Bayswater Exploration & Production, LLC | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Project: | SEC.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site: | Ivey Pad Sec.11-T1S-R68W | North Reference: | True |
| Well: | Ivey M-11-2HC | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (9-4-14) | | |

| 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) | |
| 15,100.0 | 90.00 | 0.19 | 7,985.0 | 7,271.9 | 671.3 | 7,302.1 | 0.00 | 0.00 | 0.00 | |
| 15,200.0 | 90.00 | 0.19 | 7,985.0 | 7,371.9 | 671.7 | 7,401.8 | 0.00 | 0.00 | 0.00 | |
| 15,300.0 | 90.00 | 0.19 | 7,985.0 | 7,471.9 | 672.0 | 7,501.6 | 0.00 | 0.00 | 0.00 | |
| 15,400.0 | 90.00 | 0.19 | 7,985.0 | 7,571.9 | 672.3 | 7,601.3 | 0.00 | 0.00 | 0.00 | |
| 15,500.0 | 90.00 | 0.19 | 7,985.0 | 7,671.9 | 672.7 | 7,701.0 | 0.00 | 0.00 | 0.00 | |
| 15,600.0 | 90.00 | 0.19 | 7,985.0 | 7,771.9 | 673.0 | 7,800.7 | 0.00 | 0.00 | 0.00 | |
| 15,700.0 | 90.00 | 0.19 | 7,985.0 | 7,871.9 | 673.3 | 7,900.4 | 0.00 | 0.00 | 0.00 | |
| 15,800.0 | 90.00 | 0.19 | 7,985.0 | 7,971.9 | 673.7 | 8,000.2 | 0.00 | 0.00 | 0.00 | |
| 15,900.0 | 90.00 | 0.19 | 7,985.0 | 8,071.9 | 674.0 | 8,099.9 | 0.00 | 0.00 | 0.00 | |
| 16,000.0 | 90.00 | 0.19 | 7,985.0 | 8,171.9 | 674.4 | 8,199.6 | 0.00 | 0.00 | 0.00 | |
| 16,100.0 | 90.00 | 0.19 | 7,985.0 | 8,271.9 | 674.7 | 8,299.3 | 0.00 | 0.00 | 0.00 | |
| 16,200.0 | 90.00 | 0.19 | 7,985.0 | 8,371.9 | 675.0 | 8,399.1 | 0.00 | 0.00 | 0.00 | |
| 16,300.0 | 90.00 | 0.19 | 7,985.0 | 8,471.9 | 675.4 | 8,498.8 | 0.00 | 0.00 | 0.00 | |
| 16,400.0 | 90.00 | 0.19 | 7,985.0 | 8,571.9 | 675.7 | 8,598.5 | 0.00 | 0.00 | 0.00 | |
| 16,498.5 | 90.00 | 0.19 | 7,985.0 | 8,670.4 | 676.0 | 8,696.7 | 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 |
| LANDING PT. 1785'F: | - plan hits target | 0.00 | 0.00 | 7,985.0 | 608.0 | 648.8 | 1,234,895.00 | 3,150,480.14 | 39.976920 | -104.963044 |
| - Point | | | | | | | | | | |
| BHL 465'FNL, 1015'F: | - plan hits target | 0.00 | 0.00 | 7,985.0 | 8,670.4 | 676.0 | 1,242,957.12 | 3,150,458.78 | 39.999052 | -104.962946 |
| - Point | | | | | | | | | | |
| SHL 1176'FSL, 1664'F: | - plan hits target | 0.00 | 0.00 | 1.0 | 0.0 | 0.0 | 1,234,283.12 | 3,149,835.04 | 39.975251 | -104.965359 |
| - Point | | | | | | | | | | |
| SHL 1176'FSL, 1649'F: | - plan misses by 15.1ft at 1.0ft MD (1.0 TVD, 0.0 N, 0.0 E) | 0.00 | 0.00 | 1.0 | -0.4 | 15.1 | 1,234,282.85 | 3,149,850.18 | 39.975250 | -104.965305 |
| - Point | | | | | | | | | | |

| Casing Points | | | | | |
|---------------------|---------------------|------|---------------------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 8,436.0 | 7,985.0 | 7" | 7 | 7-1/2 | |

| Plan Annotations | | | | | |
|---------------------|---------------------|------------|------------|---------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Comment | |
| 1,000.0 | 1,000.0 | 0.0 | 0.0 | KOP - Start Build 2.00 | |
| 5,963.0 | 5,921.8 | -103.9 | 621.7 | Start Drop -2.00 | |
| 7,311.3 | 7,269.0 | -108.0 | 646.4 | KOP #2 - Start Build 8.00 | |
| 16,498.5 | 7,985.0 | 8,670.4 | 676.0 | TD at 16498.5 | |



Bayswater Exploration & Production, LLC

SEC.11-T1S-R68W

Ivey Pad Sec.11-T1S-R68W

Ivey M-11-2HC

Wellbore #1

Plan #1 (9-4-14)

Anticollision Report

05 September, 2014



BAYSWATER
EXPLORATION & PRODUCTION, LLC

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| | | | |
|-------------------------------------|---|-----------------------|---------------------|
| Reference | Plan #1 (9-4-14) | | |
| 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 600.0ft | Error Surface: | Elliptical Conic |
| Warning Levels Evaluated at: | 2.00 Sigma | | |

| | | | | |
|----------------------------|----------------------|--------------------------------|------------------|--------------------|
| Survey Tool Program | Date 9/5/2014 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description |
| 0.0 | 16,498.5 | Plan #1 (9-4-14) (Wellbore #1) | MWD | MWD - Standard |

| Summary | | | | | | |
|---|-------------------------------|----------------------------|-------------------------------|--------------------------------|-------------------|---------------------|
| Site Name | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design | | | | | | |
| Existing Pad Sec.11-T1S-R68W | | | | | | |
| Rehfeld K Unit 1 (Exist.) - Wellbore #1 - Wellbore #1 | 13,131.9 | 7,987.5 | 158.9 | -104.0 | 0.604 | Level 1, CC, ES, SF |
| Sack 8-11 (Exist.) - Wellbore #1 - Wellbore #1 | 9,954.3 | 7,962.5 | 180.1 | -23.7 | 0.884 | Level 1, CC, ES, SF |
| Standley 1 (P&A) - Wellbore #1 - Wellbore #1 | | | | | | Out of range |
| Standley 2-2 (Exist.) - Wellbore #1 - Wellbore #1 | 16,499.4 | 7,973.5 | 467.3 | 140.8 | 1.431 | Level 3, CC, ES, SF |
| York G Unit 1 (P&A) - Wellbore #1 - Wellbore #1 | 15,108.6 | 7,976.5 | 129.2 | -170.9 | 0.431 | Level 1, CC, ES, SF |
| Ivey Pad Sec.11-T1S-R68W | | | | | | |
| Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | 1,000.0 | 1,001.0 | 30.0 | 25.7 | 7.019 | CC, ES |
| Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | 16,499.4 | 16,323.8 | 519.7 | 200.1 | 1.626 | SF |
| Ivey M-11-12HN - Wellbore #1 - Plan #2 (9-4-14) | 7,790.6 | 9,450.8 | 57.6 | 0.2 | 1.003 | Level 2, CC, ES, SF |
| Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | 1,000.0 | 1,001.0 | 14.9 | 10.6 | 3.476 | CC, ES |
| Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | 16,499.4 | 16,254.0 | 297.9 | 86.6 | 1.410 | Level 3, SF |
| Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | 800.0 | 800.0 | 15.1 | 11.8 | 4.490 | CC, ES |
| Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | 16,499.4 | 16,284.0 | 297.1 | 79.4 | 1.365 | Level 3, SF |
| Ivey O-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | 400.0 | 400.0 | 30.0 | 28.4 | 19.061 | CC, ES |
| Ivey O-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | 16,499.4 | 16,415.3 | 519.1 | 196.3 | 1.608 | SF |
| Ivey P-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | 200.0 | 200.0 | 45.1 | 44.4 | 66.920 | CC, ES |
| Ivey P-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | 5,100.0 | 5,049.2 | 591.5 | 566.2 | 23.405 | SF |

| Offset Design | | | | | | | | | | | | |
|--|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|-----------------------------------|----------------------|-----------------------|-------------------------|---------------------------|
| Existing Pad Sec.11-T1S-R68W - Rehfeld K Unit 1 (Exist.) - Wellbore #1 - Wellbore #1 | | | | | | | | | | | | |
| Survey Program: 8840-UNKNOWN | | | | | | | | | | | | |
| 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 |
| 12,600.0 | 7,985.0 | 7,987.5 | 7,987.5 | 93.6 | 159.8 | 90.00 | 5,303.3 | 823.5 | 555.1 | 302.2 | 252.89 | 2.195 |
| 12,700.0 | 7,985.0 | 7,987.5 | 7,987.5 | 95.5 | 159.8 | 90.00 | 5,303.3 | 823.5 | 460.2 | 205.4 | 254.77 | 1.806 |
| 12,800.0 | 7,985.0 | 7,987.5 | 7,987.5 | 97.4 | 159.8 | 90.00 | 5,303.3 | 823.5 | 367.9 | 111.3 | 256.65 | 1.434 Level 3 |
| 12,900.0 | 7,985.0 | 7,987.5 | 7,987.5 | 99.2 | 159.8 | 90.00 | 5,303.3 | 823.5 | 281.1 | 22.5 | 258.53 | 1.087 Level 2 |
| 13,000.0 | 7,985.0 | 7,987.5 | 7,987.5 | 101.1 | 159.8 | 90.00 | 5,303.3 | 823.5 | 206.5 | -54.0 | 260.42 | 0.793 Level 1 |
| 13,100.0 | 7,985.0 | 7,987.5 | 7,987.5 | 103.0 | 159.8 | 90.00 | 5,303.3 | 823.5 | 162.0 | -100.3 | 262.30 | 0.618 Level 1 |
| 13,131.9 | 7,985.0 | 7,987.5 | 7,987.5 | 103.6 | 159.8 | 90.00 | 5,303.3 | 823.5 | 158.9 | -104.0 | 262.90 | 0.604 Level 1, CC, ES, SF |
| 13,200.0 | 7,985.0 | 7,987.5 | 7,987.5 | 104.9 | 159.8 | 90.00 | 5,303.3 | 823.5 | 172.8 | -91.3 | 264.19 | 0.654 Level 1 |
| 13,300.0 | 7,985.0 | 7,987.5 | 7,987.5 | 106.7 | 159.8 | 90.00 | 5,303.3 | 823.5 | 231.3 | -34.8 | 266.07 | 0.869 Level 1 |
| 13,400.0 | 7,985.0 | 7,987.5 | 7,987.5 | 108.6 | 159.8 | 90.00 | 5,303.3 | 823.5 | 311.6 | 43.7 | 267.96 | 1.163 Level 2 |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Existing Pad Sec.11-T1S-R68W - Rehfeld K Unit 1 (Exist.) - Wellbore #1 - Wellbore #1 | | | | | | | | | | | | | Offset Site Error: 0.0 ft |
|---|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|-----------------------------------|----------------------|-----------------------|-------------------------|-------------------|----------------------------------|
| Survey Program: 8840-UNKNOWN | | | | | | | | | | | | | 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 | |
| 13,500.0 | 7,985.0 | 7,987.5 | 7,987.5 | 110.5 | 159.8 | 90.00 | 5,303.3 | 823.5 | 400.9 | 131.1 | 269.85 | 1.486 | Level 3 |
| 13,600.0 | 7,985.0 | 7,987.5 | 7,987.5 | 112.4 | 159.8 | 90.00 | 5,303.3 | 823.5 | 494.3 | 222.6 | 271.74 | 1.819 | |
| 13,700.0 | 7,985.0 | 7,987.5 | 7,987.5 | 114.3 | 159.8 | 90.00 | 5,303.3 | 823.5 | 589.9 | 316.3 | 273.63 | 2.156 | |

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|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Existing Pad Sec.11-T1S-R68W - Sack 8-11 (Exist.) - Wellbore #1 - Wellbore #1 | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|---------------------------|---------------------|
| Survey Program: 8150-UNKNOWN | | | | | | | | | | | | 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 |
| 9,400.0 | 7,985.0 | 7,962.5 | 7,962.5 | 36.2 | 159.3 | 90.00 | 2,125.6 | 834.0 | 582.8 | 388.5 | 194.28 | 3.000 | |
| 9,500.0 | 7,985.0 | 7,962.5 | 7,962.5 | 37.8 | 159.3 | 90.00 | 2,125.6 | 834.0 | 488.7 | 292.7 | 195.94 | 2.494 | |
| 9,600.0 | 7,985.0 | 7,962.5 | 7,962.5 | 39.5 | 159.3 | 90.00 | 2,125.6 | 834.0 | 397.4 | 199.8 | 197.62 | 2.011 | |
| 9,700.0 | 7,985.0 | 7,962.5 | 7,962.5 | 41.1 | 159.3 | 90.00 | 2,125.6 | 834.0 | 311.6 | 112.2 | 199.33 | 1.563 | |
| 9,800.0 | 7,985.0 | 7,962.5 | 7,962.5 | 42.8 | 159.3 | 90.00 | 2,125.6 | 834.0 | 237.1 | 36.1 | 201.06 | 1.179 | Level 2 |
| 9,900.0 | 7,985.0 | 7,962.5 | 7,962.5 | 44.5 | 159.3 | 90.00 | 2,125.6 | 834.0 | 188.1 | -14.7 | 202.80 | 0.927 | Level 1 |
| 9,954.3 | 7,985.0 | 7,962.5 | 7,962.5 | 45.5 | 159.3 | 90.00 | 2,125.6 | 834.0 | 180.1 | -23.7 | 203.75 | 0.884 | Level 1, CC, ES, SF |
| 10,000.0 | 7,985.0 | 7,962.5 | 7,962.5 | 46.3 | 159.3 | 90.00 | 2,125.6 | 834.0 | 185.8 | -18.8 | 204.55 | 0.908 | Level 1 |
| 10,100.0 | 7,985.0 | 7,962.5 | 7,962.5 | 48.0 | 159.3 | 90.00 | 2,125.6 | 834.0 | 231.7 | 25.3 | 206.32 | 1.123 | Level 2 |
| 10,200.0 | 7,985.0 | 7,962.5 | 7,962.5 | 49.7 | 159.3 | 90.00 | 2,125.6 | 834.0 | 304.6 | 96.5 | 208.09 | 1.464 | Level 3 |
| 10,300.0 | 7,985.0 | 7,962.5 | 7,962.5 | 51.5 | 159.3 | 90.00 | 2,125.6 | 834.0 | 389.8 | 179.9 | 209.88 | 1.857 | |
| 10,400.0 | 7,985.0 | 7,962.5 | 7,962.5 | 53.3 | 159.3 | 90.00 | 2,125.6 | 834.0 | 480.7 | 269.0 | 211.68 | 2.271 | |
| 10,500.0 | 7,985.0 | 7,962.5 | 7,962.5 | 55.0 | 159.3 | 90.00 | 2,125.6 | 834.0 | 574.7 | 361.2 | 213.48 | 2.692 | |

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|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| | | | | | | | | | | | | | |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|---------------------------|---------------------|
| Offset Design Existing Pad Sec.11-T1S-R68W - Standley 2-2 (Exist.) - Wellbore #1 - Wellbore #1 | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
| Survey Program: 8851-UNKNOWN | | | | | | | | | | | | 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 |
| 16,400.0 | 7,985.0 | 7,973.5 | 7,973.5 | 165.4 | 159.5 | 90.00 | 8,941.8 | 1,057.1 | 531.2 | 206.7 | 324.58 | 1.637 | |
| 16,499.4 | 7,985.0 | 7,973.5 | 7,973.5 | 167.3 | 159.5 | 90.00 | 8,941.8 | 1,057.1 | 467.3 | 140.8 | 326.47 | 1.431 | Level 3, CC, ES, SF |

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|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Existing Pad Sec.11-T1S-R68W - York G Unit 1 (P&A) - Wellbore #1 - Wellbore #1 | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-------------------|----------------------------|----------------------|-----------------------|-------------------------|---------------------------|---------|
| Survey Program: 8820-UNKNOWN | | | | | | | | | | | | 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 +N/-S (ft) | Wellbore Centre +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | |
| 14,600.0 | 7,985.0 | 7,976.5 | 7,976.5 | 131.3 | 159.5 | -90.00 | 7,281.0 | 542.2 | 524.8 | 234.3 | 290.45 | 1.807 | |
| 14,700.0 | 7,985.0 | 7,976.5 | 7,976.5 | 133.2 | 159.5 | -90.00 | 7,281.0 | 542.2 | 428.5 | 136.2 | 292.34 | 1.466 | Level 3 |
| 14,800.0 | 7,985.0 | 7,976.5 | 7,976.5 | 135.0 | 159.5 | -90.00 | 7,281.0 | 542.2 | 334.6 | 40.3 | 294.24 | 1.137 | Level 2 |
| 14,900.0 | 7,985.0 | 7,976.5 | 7,976.5 | 136.9 | 159.5 | -90.00 | 7,281.0 | 542.2 | 245.4 | -50.8 | 296.14 | 0.829 | Level 1 |
| 15,000.0 | 7,985.0 | 7,976.5 | 7,976.5 | 138.8 | 159.5 | -90.00 | 7,281.0 | 542.2 | 168.8 | -129.3 | 298.04 | 0.566 | Level 1 |
| 15,100.0 | 7,985.0 | 7,976.5 | 7,976.5 | 140.7 | 159.5 | -90.00 | 7,281.0 | 542.2 | 129.5 | -170.5 | 299.93 | 0.432 | Level 1 |
| 15,108.6 | 7,985.0 | 7,976.5 | 7,976.5 | 140.9 | 159.5 | -90.00 | 7,281.0 | 542.2 | 129.2 | -170.9 | 300.10 | 0.431 Level 1, CC, ES, SF | |
| 15,200.0 | 7,985.0 | 7,976.5 | 7,976.5 | 142.6 | 159.5 | -90.00 | 7,281.0 | 542.2 | 158.2 | -143.6 | 301.83 | 0.524 | Level 1 |
| 15,300.0 | 7,985.0 | 7,976.5 | 7,976.5 | 144.5 | 159.5 | -90.00 | 7,281.0 | 542.2 | 230.9 | -72.8 | 303.73 | 0.760 | Level 1 |
| 15,400.0 | 7,985.0 | 7,976.5 | 7,976.5 | 146.4 | 159.5 | -90.00 | 7,281.0 | 542.2 | 318.7 | 13.1 | 305.63 | 1.043 | Level 2 |
| 15,500.0 | 7,985.0 | 7,976.5 | 7,976.5 | 148.3 | 159.5 | -90.00 | 7,281.0 | 542.2 | 412.2 | 104.6 | 307.53 | 1.340 | Level 3 |
| 15,600.0 | 7,985.0 | 7,976.5 | 7,976.5 | 150.2 | 159.5 | -90.00 | 7,281.0 | 542.2 | 508.1 | 198.7 | 309.43 | 1.642 | |

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|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | | 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 (ft) | Offset (ft) | Semi Major Axis Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | Warning | |
| 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | -89.30 | 0.4 | -30.0 | 30.0 | 30.0 | 0.00 | N/A | | |
| 100.0 | 100.0 | 101.0 | 101.0 | 0.1 | 0.1 | -89.30 | 0.4 | -30.0 | 30.0 | 29.8 | 0.23 | 132.109 | | |
| 200.0 | 200.0 | 201.0 | 201.0 | 0.3 | 0.3 | -89.30 | 0.4 | -30.0 | 30.0 | 29.3 | 0.68 | 44.329 | | |
| 300.0 | 300.0 | 301.0 | 301.0 | 0.6 | 0.6 | -89.30 | 0.4 | -30.0 | 30.0 | 28.9 | 1.13 | 26.633 | | |
| 400.0 | 400.0 | 401.0 | 401.0 | 0.8 | 0.8 | -89.30 | 0.4 | -30.0 | 30.0 | 28.4 | 1.58 | 19.034 | | |
| 500.0 | 500.0 | 501.0 | 501.0 | 1.0 | 1.0 | -89.30 | 0.4 | -30.0 | 30.0 | 28.0 | 2.03 | 14.809 | | |
| 600.0 | 600.0 | 601.0 | 601.0 | 1.2 | 1.2 | -89.30 | 0.4 | -30.0 | 30.0 | 27.5 | 2.47 | 12.119 | | |
| 700.0 | 700.0 | 701.0 | 701.0 | 1.5 | 1.5 | -89.30 | 0.4 | -30.0 | 30.0 | 27.1 | 2.92 | 10.256 | | |
| 800.0 | 800.0 | 801.0 | 801.0 | 1.7 | 1.7 | -89.30 | 0.4 | -30.0 | 30.0 | 26.6 | 3.37 | 8.889 | | |
| 900.0 | 900.0 | 901.0 | 901.0 | 1.9 | 1.9 | -89.30 | 0.4 | -30.0 | 30.0 | 26.2 | 3.82 | 7.844 | | |
| 1,000.0 | 1,000.0 | 1,001.0 | 1,001.0 | 2.1 | 2.1 | -89.30 | 0.4 | -30.0 | 30.0 | 25.7 | 4.27 | 7.019 CC, ES | | |
| 1,100.0 | 1,100.0 | 1,101.0 | 1,101.0 | 2.3 | 2.4 | 171.69 | 0.4 | -30.0 | 31.7 | 27.0 | 4.71 | 6.741 | | |
| 1,200.0 | 1,199.8 | 1,200.8 | 1,200.8 | 2.5 | 2.6 | 172.85 | 0.4 | -30.0 | 36.9 | 31.8 | 5.12 | 7.205 | | |
| 1,300.0 | 1,299.5 | 1,300.5 | 1,300.5 | 2.8 | 2.8 | 174.20 | 0.4 | -30.0 | 45.6 | 40.0 | 5.54 | 8.226 | | |
| 1,400.0 | 1,398.7 | 1,399.7 | 1,399.7 | 3.0 | 3.0 | 175.40 | 0.4 | -30.0 | 57.6 | 51.7 | 5.96 | 9.675 | | |
| 1,500.0 | 1,497.8 | 1,498.8 | 1,498.8 | 3.3 | 3.3 | 176.26 | 0.4 | -30.0 | 70.8 | 64.4 | 6.39 | 11.081 | | |
| 1,600.0 | 1,597.0 | 1,598.0 | 1,598.0 | 3.5 | 3.5 | 176.84 | 0.4 | -30.0 | 84.0 | 77.2 | 6.83 | 12.303 | | |
| 1,700.0 | 1,696.1 | 1,697.1 | 1,697.1 | 3.8 | 3.7 | 177.27 | 0.4 | -30.0 | 97.2 | 89.9 | 7.27 | 13.373 | | |
| 1,800.0 | 1,795.2 | 1,796.2 | 1,796.2 | 4.1 | 3.9 | 177.60 | 0.4 | -30.0 | 110.4 | 102.6 | 7.71 | 14.315 | | |
| 1,900.0 | 1,894.3 | 1,895.3 | 1,895.3 | 4.4 | 4.1 | 177.86 | 0.4 | -30.0 | 123.5 | 115.4 | 8.15 | 15.150 | | |
| 2,000.0 | 1,993.5 | 1,994.5 | 1,994.5 | 4.7 | 4.4 | 178.06 | 0.4 | -30.0 | 136.7 | 128.1 | 8.60 | 15.895 | | |
| 2,100.0 | 2,092.6 | 2,093.6 | 2,093.6 | 5.0 | 4.6 | 178.23 | 0.4 | -30.0 | 149.9 | 140.9 | 9.05 | 16.564 | | |
| 2,200.0 | 2,191.7 | 2,192.7 | 2,192.7 | 5.3 | 4.8 | 178.38 | 0.4 | -30.0 | 163.1 | 153.6 | 9.50 | 17.166 | | |
| 2,300.0 | 2,290.8 | 2,291.8 | 2,291.8 | 5.6 | 5.0 | 178.50 | 0.4 | -30.0 | 176.3 | 166.4 | 9.96 | 17.712 | | |
| 2,400.0 | 2,390.0 | 2,391.0 | 2,391.0 | 6.0 | 5.3 | 178.60 | 0.4 | -30.0 | 189.5 | 179.1 | 10.41 | 18.208 | | |
| 2,500.0 | 2,489.1 | 2,490.1 | 2,490.1 | 6.3 | 5.5 | 178.69 | 0.4 | -30.0 | 202.7 | 191.9 | 10.86 | 18.661 | | |
| 2,600.0 | 2,588.2 | 2,595.9 | 2,595.8 | 6.6 | 5.7 | 178.61 | -0.5 | -28.6 | 214.6 | 203.2 | 11.31 | 18.967 | | |
| 2,700.0 | 2,687.3 | 2,703.0 | 2,702.9 | 6.9 | 5.9 | 178.15 | -3.3 | -23.8 | 223.0 | 211.2 | 11.74 | 18.989 | | |
| 2,800.0 | 2,786.5 | 2,807.7 | 2,807.1 | 7.2 | 6.1 | 177.38 | -7.9 | -16.0 | 228.2 | 216.0 | 12.17 | 18.745 | | |
| 2,900.0 | 2,885.6 | 2,907.5 | 2,906.5 | 7.6 | 6.3 | 176.59 | -12.7 | -7.9 | 232.8 | 220.2 | 12.61 | 18.471 | | |
| 3,000.0 | 2,984.7 | 3,007.4 | 3,005.9 | 7.9 | 6.5 | 175.84 | -17.5 | 0.2 | 237.5 | 224.4 | 13.04 | 18.210 | | |
| 3,100.0 | 3,083.8 | 3,107.2 | 3,105.3 | 8.2 | 6.7 | 175.12 | -22.3 | 8.3 | 242.2 | 228.7 | 13.48 | 17.962 | | |
| 3,200.0 | 3,183.0 | 3,207.1 | 3,204.7 | 8.5 | 7.0 | 174.42 | -27.0 | 16.4 | 246.9 | 233.0 | 13.93 | 17.727 | | |
| 3,300.0 | 3,282.1 | 3,306.9 | 3,304.1 | 8.9 | 7.2 | 173.75 | -31.8 | 24.5 | 251.7 | 237.3 | 14.38 | 17.502 | | |
| 3,400.0 | 3,381.2 | 3,406.8 | 3,403.5 | 9.2 | 7.4 | 173.11 | -36.6 | 32.6 | 256.5 | 241.6 | 14.83 | 17.288 | | |
| 3,500.0 | 3,480.3 | 3,506.6 | 3,502.9 | 9.5 | 7.6 | 172.49 | -41.4 | 40.7 | 261.3 | 246.0 | 15.29 | 17.085 | | |
| 3,600.0 | 3,579.5 | 3,606.5 | 3,602.3 | 9.9 | 7.9 | 171.89 | -46.2 | 48.7 | 266.2 | 250.4 | 15.76 | 16.890 | | |
| 3,700.0 | 3,678.6 | 3,706.3 | 3,701.7 | 10.2 | 8.1 | 171.31 | -51.0 | 56.8 | 271.1 | 254.8 | 16.23 | 16.705 | | |
| 3,800.0 | 3,777.7 | 3,806.1 | 3,801.1 | 10.5 | 8.4 | 170.75 | -55.7 | 64.9 | 276.0 | 259.3 | 16.70 | 16.528 | | |
| 3,900.0 | 3,876.8 | 3,906.0 | 3,900.5 | 10.8 | 8.6 | 170.22 | -60.5 | 73.0 | 280.9 | 263.7 | 17.17 | 16.358 | | |
| 4,000.0 | 3,975.9 | 4,005.8 | 3,999.9 | 11.2 | 8.9 | 169.70 | -65.3 | 81.1 | 285.9 | 268.2 | 17.65 | 16.196 | | |
| 4,100.0 | 4,075.1 | 4,105.7 | 4,099.3 | 11.5 | 9.1 | 169.20 | -70.1 | 89.2 | 290.9 | 272.7 | 18.13 | 16.041 | | |
| 4,200.0 | 4,174.2 | 4,205.5 | 4,198.7 | 11.8 | 9.4 | 168.72 | -74.9 | 97.3 | 295.9 | 277.3 | 18.62 | 15.893 | | |
| 4,300.0 | 4,273.3 | 4,305.4 | 4,298.1 | 12.2 | 9.6 | 168.25 | -79.7 | 105.4 | 300.9 | 281.8 | 19.10 | 15.750 | | |
| 4,400.0 | 4,372.4 | 4,405.2 | 4,397.5 | 12.5 | 9.9 | 167.80 | -84.4 | 113.5 | 305.9 | 286.3 | 19.59 | 15.614 | | |
| 4,500.0 | 4,471.6 | 4,505.0 | 4,496.9 | 12.8 | 10.1 | 167.36 | -89.2 | 121.6 | 311.0 | 290.9 | 20.09 | 15.483 | | |
| 4,600.0 | 4,570.7 | 4,604.9 | 4,596.3 | 13.2 | 10.4 | 166.93 | -94.0 | 129.7 | 316.1 | 295.5 | 20.58 | 15.358 | | |
| 4,700.0 | 4,669.8 | 4,704.7 | 4,695.7 | 13.5 | 10.7 | 166.52 | -98.8 | 137.7 | 321.2 | 300.1 | 21.08 | 15.237 | | |
| 4,800.0 | 4,768.9 | 4,800.0 | 4,790.6 | 13.8 | 10.9 | 166.21 | -103.0 | 144.9 | 326.9 | 305.3 | 21.56 | 15.163 | | |
| 4,900.0 | 4,868.1 | 4,890.0 | 4,880.5 | 14.2 | 11.1 | 166.19 | -105.7 | 149.4 | 335.0 | 313.0 | 21.99 | 15.232 | | |
| 5,000.0 | 4,967.2 | 4,980.6 | 4,971.1 | 14.5 | 11.3 | 166.44 | -106.9 | 151.4 | 345.7 | 323.3 | 22.41 | 15.426 | | |
| 5,100.0 | 5,066.3 | 5,076.9 | 5,067.3 | 14.8 | 11.4 | 166.91 | -106.9 | 151.5 | 358.4 | 335.6 | 22.83 | 15.699 | | |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | | Offset Site Error: | 0.0ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0ft |
| 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 | | |
| 5,200.0 | 5,165.4 | 5,176.0 | 5,166.4 | 15.2 | 11.6 | 167.37 | -106.9 | 151.5 | 371.3 | 348.0 | 23.26 | 15.961 | | |
| 5,300.0 | 5,264.6 | 5,275.1 | 5,265.6 | 15.5 | 11.8 | 167.80 | -106.9 | 151.5 | 384.2 | 360.5 | 23.70 | 16.211 | | |
| 5,400.0 | 5,363.7 | 5,374.2 | 5,364.7 | 15.8 | 12.0 | 168.20 | -106.9 | 151.5 | 397.1 | 373.0 | 24.14 | 16.453 | | |
| 5,500.0 | 5,462.8 | 5,473.4 | 5,463.8 | 16.2 | 12.2 | 168.58 | -106.9 | 151.5 | 410.1 | 385.5 | 24.58 | 16.685 | | |
| 5,600.0 | 5,561.9 | 5,572.5 | 5,562.9 | 16.5 | 12.5 | 168.93 | -106.9 | 151.5 | 423.0 | 398.0 | 25.02 | 16.909 | | |
| 5,700.0 | 5,661.1 | 5,671.6 | 5,662.1 | 16.8 | 12.7 | 169.27 | -106.9 | 151.5 | 436.0 | 410.5 | 25.46 | 17.125 | | |
| 5,800.0 | 5,760.2 | 5,770.7 | 5,761.2 | 17.2 | 12.9 | 169.58 | -106.9 | 151.5 | 449.0 | 423.1 | 25.90 | 17.333 | | |
| 5,900.0 | 5,859.3 | 5,869.9 | 5,860.3 | 17.5 | 13.1 | 169.88 | -106.9 | 151.5 | 462.0 | 435.6 | 26.35 | 17.534 | | |
| 6,000.0 | 5,958.5 | 5,969.0 | 5,959.5 | 17.8 | 13.3 | 170.17 | -106.9 | 151.5 | 474.7 | 447.9 | 26.80 | 17.718 | | |
| 6,100.0 | 6,057.9 | 6,068.5 | 6,058.9 | 18.1 | 13.5 | 170.41 | -106.9 | 151.5 | 484.8 | 457.6 | 27.21 | 17.819 | | |
| 6,200.0 | 6,157.7 | 6,168.3 | 6,158.7 | 18.3 | 13.7 | 170.56 | -106.9 | 151.5 | 491.4 | 463.8 | 27.59 | 17.810 | | |
| 6,300.0 | 6,257.7 | 6,268.2 | 6,258.7 | 18.4 | 13.9 | 170.63 | -106.9 | 151.5 | 494.6 | 466.6 | 27.95 | 17.697 | | |
| 6,400.0 | 6,357.7 | 6,368.2 | 6,358.7 | 18.6 | 14.1 | -89.88 | -106.9 | 151.5 | 494.9 | 466.6 | 28.33 | 17.468 | | |
| 6,500.0 | 6,457.7 | 6,468.2 | 6,458.7 | 18.7 | 14.3 | -89.88 | -106.9 | 151.5 | 494.9 | 466.2 | 28.74 | 17.222 | | |
| 6,600.0 | 6,557.7 | 6,568.2 | 6,558.7 | 18.9 | 14.5 | -89.88 | -106.9 | 151.5 | 494.9 | 465.7 | 29.14 | 16.983 | | |
| 6,700.0 | 6,657.7 | 6,668.2 | 6,658.7 | 19.0 | 14.7 | -89.88 | -106.9 | 151.5 | 494.9 | 465.3 | 29.55 | 16.749 | | |
| 6,800.0 | 6,757.7 | 6,768.2 | 6,758.7 | 19.2 | 14.9 | -89.88 | -106.9 | 151.5 | 494.9 | 464.9 | 29.96 | 16.521 | | |
| 6,900.0 | 6,857.7 | 6,868.2 | 6,858.7 | 19.4 | 15.2 | -89.88 | -106.9 | 151.5 | 494.9 | 464.5 | 30.36 | 16.299 | | |
| 7,000.0 | 6,957.7 | 6,968.2 | 6,958.7 | 19.5 | 15.4 | -89.88 | -106.9 | 151.5 | 494.9 | 464.1 | 30.77 | 16.081 | | |
| 7,100.0 | 7,057.7 | 7,068.2 | 7,058.7 | 19.7 | 15.6 | -89.88 | -106.9 | 151.5 | 494.9 | 463.7 | 31.19 | 15.869 | | |
| 7,188.1 | 7,145.8 | 7,156.3 | 7,146.8 | 19.8 | 15.8 | -89.85 | -106.7 | 151.5 | 494.9 | 463.3 | 31.55 | 15.688 | | |
| 7,200.0 | 7,157.7 | 7,168.2 | 7,158.7 | 19.8 | 15.8 | -89.81 | -106.3 | 151.5 | 494.9 | 463.3 | 31.59 | 15.665 | | |
| 7,206.3 | 7,163.9 | 7,174.5 | 7,164.9 | 19.9 | 15.8 | -89.77 | -106.1 | 151.5 | 494.9 | 463.3 | 31.62 | 15.653 | | |
| 7,300.0 | 7,257.7 | 7,266.9 | 7,256.7 | 20.0 | 16.0 | -88.55 | -95.5 | 151.5 | 495.0 | 463.1 | 31.94 | 15.500 | | |
| 7,400.0 | 7,357.4 | 7,362.3 | 7,349.2 | 20.2 | 16.2 | -86.59 | -72.3 | 151.6 | 495.8 | 463.6 | 32.21 | 15.392 | | |
| 7,500.0 | 7,455.5 | 7,455.5 | 7,435.7 | 20.3 | 16.3 | -84.51 | -37.9 | 151.7 | 497.3 | 464.8 | 32.48 | 15.310 | | |
| 7,600.0 | 7,549.9 | 7,546.7 | 7,515.4 | 20.4 | 16.5 | -82.55 | 6.3 | 151.9 | 499.2 | 466.5 | 32.76 | 15.238 | | |
| 7,700.0 | 7,638.8 | 7,636.2 | 7,587.5 | 20.5 | 16.6 | -80.74 | 59.2 | 152.1 | 501.6 | 468.5 | 33.10 | 15.153 | | |
| 7,800.0 | 7,720.6 | 7,724.2 | 7,651.4 | 20.7 | 16.7 | -79.11 | 119.6 | 152.3 | 504.1 | 470.6 | 33.52 | 15.040 | | |
| 7,900.0 | 7,793.5 | 7,810.9 | 7,706.6 | 20.8 | 17.0 | -77.68 | 186.4 | 152.5 | 506.7 | 472.7 | 34.05 | 14.882 | | |
| 8,000.0 | 7,856.3 | 7,900.0 | 7,754.5 | 21.0 | 17.5 | -76.44 | 261.5 | 152.7 | 509.2 | 474.4 | 34.74 | 14.657 | | |
| 8,100.0 | 7,907.6 | 7,981.5 | 7,789.9 | 21.2 | 18.0 | -75.49 | 334.8 | 153.0 | 511.3 | 475.7 | 35.57 | 14.374 | | |
| 8,200.0 | 7,946.4 | 8,065.7 | 7,817.4 | 21.6 | 18.7 | -74.75 | 414.4 | 153.2 | 513.0 | 476.4 | 36.61 | 14.012 | | |
| 8,300.0 | 7,972.1 | 8,150.0 | 7,835.3 | 22.2 | 19.4 | -74.26 | 496.7 | 153.5 | 514.2 | 476.4 | 37.87 | 13.579 | | |
| 8,400.0 | 7,984.1 | 8,233.0 | 7,843.4 | 23.0 | 20.3 | -74.02 | 579.3 | 153.8 | 514.8 | 475.5 | 39.34 | 13.088 | | |
| 8,500.0 | 7,985.0 | 8,327.1 | 7,843.9 | 23.9 | 21.3 | -73.98 | 673.3 | 154.1 | 514.9 | 473.7 | 41.20 | 12.499 | | |
| 8,600.0 | 7,985.0 | 8,427.1 | 7,843.7 | 25.0 | 22.5 | -73.96 | 773.3 | 154.4 | 515.0 | 471.5 | 43.49 | 11.843 | | |
| 8,700.0 | 7,985.0 | 8,527.1 | 7,843.5 | 26.1 | 23.8 | -73.94 | 873.3 | 154.7 | 515.1 | 469.1 | 45.96 | 11.207 | | |
| 8,800.0 | 7,985.0 | 8,627.1 | 7,843.3 | 27.4 | 25.2 | -73.91 | 973.3 | 155.1 | 515.1 | 466.5 | 48.58 | 10.602 | | |
| 8,900.0 | 7,985.0 | 8,727.1 | 7,843.1 | 28.7 | 26.7 | -73.89 | 1,073.3 | 155.4 | 515.2 | 463.8 | 51.34 | 10.034 | | |
| 9,000.0 | 7,985.0 | 8,827.1 | 7,842.9 | 30.1 | 28.2 | -73.87 | 1,173.3 | 155.8 | 515.2 | 461.0 | 54.21 | 9.504 | | |
| 9,100.0 | 7,985.0 | 8,927.1 | 7,842.7 | 31.6 | 29.7 | -73.85 | 1,273.3 | 156.1 | 515.3 | 458.1 | 57.18 | 9.012 | | |
| 9,200.0 | 7,985.0 | 9,027.1 | 7,842.5 | 33.1 | 31.3 | -73.83 | 1,373.3 | 156.4 | 515.3 | 455.1 | 60.22 | 8.558 | | |
| 9,300.0 | 7,985.0 | 9,127.1 | 7,842.3 | 34.7 | 32.9 | -73.81 | 1,473.3 | 156.8 | 515.4 | 452.1 | 63.33 | 8.138 | | |
| 9,400.0 | 7,985.0 | 9,227.1 | 7,842.1 | 36.2 | 34.6 | -73.79 | 1,573.3 | 157.1 | 515.4 | 448.9 | 66.50 | 7.751 | | |
| 9,500.0 | 7,985.0 | 9,327.1 | 7,841.9 | 37.8 | 36.3 | -73.77 | 1,673.3 | 157.4 | 515.5 | 445.8 | 69.72 | 7.394 | | |
| 9,600.0 | 7,985.0 | 9,427.1 | 7,841.7 | 39.5 | 38.0 | -73.75 | 1,773.3 | 157.8 | 515.6 | 442.6 | 72.99 | 7.064 | | |
| 9,700.0 | 7,985.0 | 9,527.1 | 7,841.5 | 41.1 | 39.7 | -73.72 | 1,873.3 | 158.1 | 515.6 | 439.3 | 76.29 | 6.758 | | |
| 9,800.0 | 7,985.0 | 9,627.1 | 7,841.3 | 42.8 | 41.4 | -73.70 | 1,973.3 | 158.5 | 515.7 | 436.0 | 79.63 | 6.476 | | |
| 9,900.0 | 7,985.0 | 9,727.1 | 7,841.1 | 44.5 | 43.2 | -73.68 | 2,073.3 | 158.8 | 515.7 | 432.7 | 83.00 | 6.214 | | |
| 10,000.0 | 7,985.0 | 9,827.1 | 7,840.9 | 46.3 | 44.9 | -73.66 | 2,173.3 | 159.1 | 515.8 | 429.4 | 86.39 | 5.971 | | |
| 10,100.0 | 7,985.0 | 9,927.1 | 7,840.7 | 48.0 | 46.7 | -73.64 | 2,273.3 | 159.5 | 515.8 | 426.0 | 89.80 | 5.744 | | |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWDD | | | | | | | | | | | | 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 | |
| 10,200.0 | 7,985.0 | 10,027.1 | 7,840.5 | 49.7 | 48.5 | -73.62 | 2,373.3 | 159.8 | 515.9 | 422.7 | 93.24 | 5.533 | |
| 10,300.0 | 7,985.0 | 10,127.1 | 7,840.3 | 51.5 | 50.3 | -73.60 | 2,473.3 | 160.1 | 516.0 | 419.3 | 96.69 | 5.336 | |
| 10,400.0 | 7,985.0 | 10,227.1 | 7,840.1 | 53.3 | 52.1 | -73.58 | 2,573.3 | 160.5 | 516.0 | 415.9 | 100.16 | 5.152 | |
| 10,500.0 | 7,985.0 | 10,327.1 | 7,839.9 | 55.0 | 53.9 | -73.56 | 2,673.3 | 160.8 | 516.1 | 412.4 | 103.64 | 4.979 | |
| 10,600.0 | 7,985.0 | 10,427.1 | 7,839.7 | 56.8 | 55.7 | -73.53 | 2,773.3 | 161.1 | 516.1 | 409.0 | 107.14 | 4.818 | |
| 10,700.0 | 7,985.0 | 10,527.1 | 7,839.5 | 58.6 | 57.6 | -73.51 | 2,873.3 | 161.5 | 516.2 | 405.6 | 110.64 | 4.665 | |
| 10,800.0 | 7,985.0 | 10,627.1 | 7,839.3 | 60.4 | 59.4 | -73.49 | 2,973.3 | 161.8 | 516.3 | 402.1 | 114.16 | 4.522 | |
| 10,900.0 | 7,985.0 | 10,727.1 | 7,839.1 | 62.2 | 61.2 | -73.47 | 3,073.3 | 162.2 | 516.3 | 398.6 | 117.69 | 4.387 | |
| 11,000.0 | 7,985.0 | 10,827.1 | 7,838.9 | 64.0 | 63.1 | -73.45 | 3,173.3 | 162.5 | 516.4 | 395.1 | 121.22 | 4.260 | |
| 11,100.0 | 7,985.0 | 10,927.1 | 7,838.7 | 65.9 | 64.9 | -73.43 | 3,273.3 | 162.8 | 516.4 | 391.7 | 124.77 | 4.139 | |
| 11,200.0 | 7,985.0 | 11,027.1 | 7,838.5 | 67.7 | 66.8 | -73.41 | 3,373.3 | 163.2 | 516.5 | 388.2 | 128.32 | 4.025 | |
| 11,300.0 | 7,985.0 | 11,127.1 | 7,838.3 | 69.5 | 68.6 | -73.39 | 3,473.3 | 163.5 | 516.5 | 384.7 | 131.87 | 3.917 | |
| 11,400.0 | 7,985.0 | 11,227.1 | 7,838.1 | 71.4 | 70.5 | -73.37 | 3,573.3 | 163.8 | 516.6 | 381.2 | 135.44 | 3.814 | |
| 11,500.0 | 7,985.0 | 11,327.1 | 7,837.9 | 73.2 | 72.3 | -73.34 | 3,673.3 | 164.2 | 516.7 | 377.7 | 139.00 | 3.717 | |
| 11,600.0 | 7,985.0 | 11,427.1 | 7,837.7 | 75.0 | 74.2 | -73.32 | 3,773.3 | 164.5 | 516.7 | 374.1 | 142.58 | 3.624 | |
| 11,700.0 | 7,985.0 | 11,527.1 | 7,837.5 | 76.9 | 76.1 | -73.30 | 3,873.3 | 164.8 | 516.8 | 370.6 | 146.15 | 3.536 | |
| 11,800.0 | 7,985.0 | 11,627.1 | 7,837.3 | 78.7 | 77.9 | -73.28 | 3,973.3 | 165.2 | 516.8 | 367.1 | 149.74 | 3.452 | |
| 11,900.0 | 7,985.0 | 11,727.1 | 7,837.1 | 80.6 | 79.8 | -73.26 | 4,073.3 | 165.5 | 516.9 | 363.6 | 153.32 | 3.371 | |
| 12,000.0 | 7,985.0 | 11,827.1 | 7,836.9 | 82.4 | 81.7 | -73.24 | 4,173.3 | 165.9 | 517.0 | 360.0 | 156.91 | 3.295 | |
| 12,100.0 | 7,985.0 | 11,927.1 | 7,836.7 | 84.3 | 83.5 | -73.22 | 4,273.3 | 166.2 | 517.0 | 356.5 | 160.50 | 3.221 | |
| 12,200.0 | 7,985.0 | 12,027.1 | 7,836.5 | 86.2 | 85.4 | -73.20 | 4,373.3 | 166.5 | 517.1 | 353.0 | 164.09 | 3.151 | |
| 12,300.0 | 7,985.0 | 12,127.1 | 7,836.3 | 88.0 | 87.3 | -73.18 | 4,473.3 | 166.9 | 517.1 | 349.4 | 167.69 | 3.084 | |
| 12,400.0 | 7,985.0 | 12,227.1 | 7,836.1 | 89.9 | 89.2 | -73.16 | 4,573.3 | 167.2 | 517.2 | 345.9 | 171.29 | 3.019 | |
| 12,500.0 | 7,985.0 | 12,327.1 | 7,835.9 | 91.8 | 91.1 | -73.13 | 4,673.3 | 167.5 | 517.2 | 342.4 | 174.89 | 2.957 | |
| 12,600.0 | 7,985.0 | 12,427.1 | 7,835.7 | 93.6 | 92.9 | -73.11 | 4,773.3 | 167.9 | 517.3 | 338.8 | 178.50 | 2.898 | |
| 12,700.0 | 7,985.0 | 12,527.1 | 7,835.5 | 95.5 | 94.8 | -73.09 | 4,873.3 | 168.2 | 517.4 | 335.3 | 182.10 | 2.841 | |
| 12,800.0 | 7,985.0 | 12,627.1 | 7,835.3 | 97.4 | 96.7 | -73.07 | 4,973.3 | 168.5 | 517.4 | 331.7 | 185.71 | 2.786 | |
| 12,900.0 | 7,985.0 | 12,727.1 | 7,835.1 | 99.2 | 98.6 | -73.05 | 5,073.3 | 168.9 | 517.5 | 328.2 | 189.32 | 2.733 | |
| 13,000.0 | 7,985.0 | 12,827.1 | 7,834.9 | 101.1 | 100.5 | -73.03 | 5,173.3 | 169.2 | 517.5 | 324.6 | 192.93 | 2.683 | |
| 13,100.0 | 7,985.0 | 12,927.1 | 7,834.7 | 103.0 | 102.4 | -73.01 | 5,273.3 | 169.6 | 517.6 | 321.1 | 196.54 | 2.634 | |
| 13,200.0 | 7,985.0 | 13,027.1 | 7,834.5 | 104.9 | 104.2 | -72.99 | 5,373.3 | 169.9 | 517.7 | 317.5 | 200.16 | 2.586 | |
| 13,300.0 | 7,985.0 | 13,127.1 | 7,834.3 | 106.7 | 106.1 | -72.97 | 5,473.3 | 170.2 | 517.7 | 314.0 | 203.77 | 2.541 | |
| 13,400.0 | 7,985.0 | 13,227.1 | 7,834.1 | 108.6 | 108.0 | -72.95 | 5,573.3 | 170.6 | 517.8 | 310.4 | 207.39 | 2.497 | |
| 13,500.0 | 7,985.0 | 13,327.1 | 7,833.9 | 110.5 | 109.9 | -72.92 | 5,673.3 | 170.9 | 517.8 | 306.8 | 211.00 | 2.454 | |
| 13,600.0 | 7,985.0 | 13,427.1 | 7,833.7 | 112.4 | 111.8 | -72.90 | 5,773.3 | 171.2 | 517.9 | 303.3 | 214.62 | 2.413 | |
| 13,700.0 | 7,985.0 | 13,527.1 | 7,833.6 | 114.3 | 113.7 | -72.88 | 5,873.3 | 171.6 | 518.0 | 299.7 | 218.24 | 2.373 | |
| 13,800.0 | 7,985.0 | 13,627.1 | 7,833.4 | 116.2 | 115.6 | -72.86 | 5,973.3 | 171.9 | 518.0 | 296.2 | 221.86 | 2.335 | |
| 13,900.0 | 7,985.0 | 13,727.1 | 7,833.2 | 118.0 | 117.5 | -72.84 | 6,073.3 | 172.2 | 518.1 | 292.6 | 225.48 | 2.298 | |
| 14,000.0 | 7,985.0 | 13,827.1 | 7,833.0 | 119.9 | 119.4 | -72.82 | 6,173.3 | 172.6 | 518.1 | 289.0 | 229.10 | 2.262 | |
| 14,100.0 | 7,985.0 | 13,927.1 | 7,832.8 | 121.8 | 121.3 | -72.80 | 6,273.3 | 172.9 | 518.2 | 285.5 | 232.72 | 2.227 | |
| 14,200.0 | 7,985.0 | 14,027.1 | 7,832.6 | 123.7 | 123.2 | -72.78 | 6,373.3 | 173.3 | 518.3 | 281.9 | 236.34 | 2.193 | |
| 14,300.0 | 7,985.0 | 14,127.1 | 7,832.4 | 125.6 | 125.1 | -72.76 | 6,473.3 | 173.6 | 518.3 | 278.4 | 239.96 | 2.160 | |
| 14,400.0 | 7,985.0 | 14,227.1 | 7,832.2 | 127.5 | 127.0 | -72.74 | 6,573.3 | 173.9 | 518.4 | 274.8 | 243.58 | 2.128 | |
| 14,500.0 | 7,985.0 | 14,327.1 | 7,832.0 | 129.4 | 128.9 | -72.72 | 6,673.3 | 174.3 | 518.4 | 271.2 | 247.21 | 2.097 | |
| 14,600.0 | 7,985.0 | 14,427.1 | 7,831.8 | 131.3 | 130.8 | -72.69 | 6,773.3 | 174.6 | 518.5 | 267.7 | 250.83 | 2.067 | |
| 14,700.0 | 7,985.0 | 14,527.1 | 7,831.6 | 133.2 | 132.7 | -72.67 | 6,873.3 | 174.9 | 518.6 | 264.1 | 254.45 | 2.038 | |
| 14,800.0 | 7,985.0 | 14,627.1 | 7,831.4 | 135.0 | 134.6 | -72.65 | 6,973.3 | 175.3 | 518.6 | 260.6 | 258.07 | 2.010 | |
| 14,900.0 | 7,985.0 | 14,727.1 | 7,831.2 | 136.9 | 136.4 | -72.63 | 7,073.3 | 175.6 | 518.7 | 257.0 | 261.70 | 1.982 | |
| 15,000.0 | 7,985.0 | 14,827.1 | 7,831.0 | 138.8 | 138.3 | -72.61 | 7,173.3 | 175.9 | 518.7 | 253.4 | 265.32 | 1.955 | |
| 15,100.0 | 7,985.0 | 14,927.1 | 7,830.8 | 140.7 | 140.2 | -72.59 | 7,273.3 | 176.3 | 518.8 | 249.9 | 268.94 | 1.929 | |
| 15,200.0 | 7,985.0 | 15,027.1 | 7,830.6 | 142.6 | 142.1 | -72.57 | 7,373.3 | 176.6 | 518.9 | 246.3 | 272.57 | 1.904 | |
| 15,300.0 | 7,985.0 | 15,127.1 | 7,830.4 | 144.5 | 144.0 | -72.55 | 7,473.3 | 177.0 | 518.9 | 242.7 | 276.19 | 1.879 | |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey L-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------------|-------|-----------------|------------------|--------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre +N/-S | +E/-W | Between Centres | Between Ellipses | Minimum Separation | Separation Factor | Warning | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | (ft) | (ft) | (ft) | (ft) | (ft) | | | |
| 15,400.0 | 7,985.0 | 15,227.1 | 7,830.2 | 146.4 | 145.9 | -72.53 | 7,573.3 | 177.3 | 519.0 | 239.2 | 279.81 | 1.855 | | |
| 15,500.0 | 7,985.0 | 15,327.1 | 7,830.0 | 148.3 | 147.8 | -72.51 | 7,673.3 | 177.6 | 519.1 | 235.6 | 283.44 | 1.831 | | |
| 15,600.0 | 7,985.0 | 15,427.1 | 7,829.8 | 150.2 | 149.8 | -72.49 | 7,773.3 | 178.0 | 519.1 | 232.1 | 287.06 | 1.808 | | |
| 15,700.0 | 7,985.0 | 15,527.1 | 7,829.6 | 152.1 | 151.7 | -72.47 | 7,873.3 | 178.3 | 519.2 | 228.5 | 290.68 | 1.786 | | |
| 15,800.0 | 7,985.0 | 15,627.1 | 7,829.4 | 154.0 | 153.6 | -72.44 | 7,973.3 | 178.6 | 519.2 | 224.9 | 294.30 | 1.764 | | |
| 15,900.0 | 7,985.0 | 15,727.1 | 7,829.2 | 155.9 | 155.5 | -72.42 | 8,073.3 | 179.0 | 519.3 | 221.4 | 297.93 | 1.743 | | |
| 16,000.0 | 7,985.0 | 15,827.1 | 7,829.0 | 157.8 | 157.4 | -72.40 | 8,173.3 | 179.3 | 519.4 | 217.8 | 301.55 | 1.722 | | |
| 16,100.0 | 7,985.0 | 15,927.1 | 7,828.8 | 159.7 | 159.3 | -72.38 | 8,273.3 | 179.6 | 519.4 | 214.2 | 305.17 | 1.702 | | |
| 16,200.0 | 7,985.0 | 16,027.1 | 7,828.6 | 161.6 | 161.2 | -72.36 | 8,373.3 | 180.0 | 519.5 | 210.7 | 308.79 | 1.682 | | |
| 16,300.0 | 7,985.0 | 16,127.1 | 7,828.4 | 163.5 | 163.1 | -72.34 | 8,473.3 | 180.3 | 519.5 | 207.1 | 312.41 | 1.663 | | |
| 16,400.0 | 7,985.0 | 16,227.1 | 7,828.2 | 165.4 | 165.0 | -72.32 | 8,573.3 | 180.7 | 519.6 | 203.6 | 316.04 | 1.644 | | |
| 16,452.7 | 7,985.0 | 16,279.8 | 7,828.1 | 166.4 | 166.0 | -72.31 | 8,625.9 | 180.8 | 519.6 | 201.7 | 317.94 | 1.634 | | |
| 16,499.4 | 7,985.0 | 16,323.8 | 7,828.0 | 167.3 | 166.8 | -72.30 | 8,670.0 | 181.0 | 519.7 | 200.1 | 319.58 | 1.626 SF | | |

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-12HN - Wellbore #1 - Plan #2 (9-4-14) | | | | | | | | | | | | | 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 | 2.0 | 2.0 | 0.0 | 0.0 | -144.26 | -84.5 | -60.8 | 104.1 | 104.1 | 0.00 | N/A | |
| 100.0 | 100.0 | 102.0 | 102.0 | 0.1 | 0.1 | -144.26 | -84.5 | -60.8 | 104.1 | 103.9 | 0.23 | 454.194 | |
| 200.0 | 200.0 | 202.0 | 202.0 | 0.3 | 0.3 | -144.26 | -84.5 | -60.8 | 104.1 | 103.5 | 0.68 | 153.403 | |
| 300.0 | 300.0 | 302.0 | 302.0 | 0.6 | 0.6 | -144.26 | -84.5 | -60.8 | 104.1 | 103.0 | 1.13 | 92.286 | |
| 400.0 | 400.0 | 402.0 | 402.0 | 0.8 | 0.8 | -144.26 | -84.5 | -60.8 | 104.1 | 102.6 | 1.58 | 65.994 | |
| 500.0 | 500.0 | 502.0 | 502.0 | 1.0 | 1.0 | -144.26 | -84.5 | -60.8 | 104.1 | 102.1 | 2.03 | 51.361 | |
| 600.0 | 600.0 | 602.0 | 602.0 | 1.2 | 1.2 | -144.26 | -84.5 | -60.8 | 104.1 | 101.7 | 2.48 | 42.040 | |
| 700.0 | 700.0 | 702.0 | 702.0 | 1.5 | 1.5 | -144.26 | -84.5 | -60.8 | 104.1 | 101.2 | 2.93 | 35.582 | |
| 800.0 | 800.0 | 802.0 | 802.0 | 1.7 | 1.7 | -144.26 | -84.5 | -60.8 | 104.1 | 100.8 | 3.38 | 30.844 | |
| 900.0 | 900.0 | 902.0 | 902.0 | 1.9 | 1.9 | -144.26 | -84.5 | -60.8 | 104.1 | 100.3 | 3.83 | 27.220 | |
| 966.0 | 966.0 | 968.0 | 968.0 | 2.1 | 2.1 | -144.26 | -84.5 | -60.8 | 104.1 | 100.0 | 4.12 | 25.261 | |
| 1,000.0 | 1,000.0 | 1,002.0 | 1,002.0 | 2.1 | 2.1 | -144.26 | -84.5 | -60.8 | 104.1 | 99.9 | 4.27 | 24.359 | |
| 1,100.0 | 1,100.0 | 1,100.0 | 1,100.0 | 2.3 | 2.3 | 117.86 | -84.4 | -62.6 | 105.9 | 101.2 | 4.69 | 22.560 | |
| 1,200.0 | 1,199.8 | 1,197.3 | 1,197.2 | 2.5 | 2.6 | 122.27 | -84.0 | -67.6 | 111.5 | 106.4 | 5.09 | 21.883 | |
| 1,300.0 | 1,299.5 | 1,293.3 | 1,292.8 | 2.8 | 2.8 | 128.52 | -83.3 | -75.8 | 122.2 | 116.6 | 5.51 | 22.162 | |
| 1,400.0 | 1,398.7 | 1,387.2 | 1,386.0 | 3.0 | 3.0 | 135.43 | -82.5 | -86.9 | 139.1 | 133.1 | 5.94 | 23.409 | |
| 1,500.0 | 1,497.8 | 1,479.3 | 1,477.1 | 3.3 | 3.2 | 141.74 | -81.4 | -100.7 | 161.3 | 154.9 | 6.38 | 25.285 | |
| 1,600.0 | 1,597.0 | 1,569.6 | 1,565.8 | 3.5 | 3.5 | 146.90 | -80.1 | -117.1 | 187.7 | 180.9 | 6.81 | 27.550 | |
| 1,700.0 | 1,696.1 | 1,658.3 | 1,652.5 | 3.8 | 3.8 | 151.08 | -78.6 | -135.9 | 218.1 | 210.9 | 7.25 | 30.081 | |
| 1,800.0 | 1,795.2 | 1,751.9 | 1,743.7 | 4.1 | 4.2 | 154.54 | -76.9 | -157.0 | 250.7 | 243.0 | 7.69 | 32.594 | |
| 1,900.0 | 1,894.3 | 1,845.5 | 1,834.9 | 4.4 | 4.6 | 157.22 | -75.3 | -178.0 | 283.8 | 275.7 | 8.13 | 34.932 | |
| 2,000.0 | 1,993.5 | 1,939.1 | 1,926.0 | 4.7 | 4.9 | 159.34 | -73.6 | -199.1 | 317.5 | 308.9 | 8.57 | 37.045 | |
| 2,100.0 | 2,092.6 | 2,032.7 | 2,017.2 | 5.0 | 5.3 | 161.06 | -71.9 | -220.2 | 351.4 | 342.4 | 9.01 | 38.993 | |
| 2,200.0 | 2,191.7 | 2,126.3 | 2,108.4 | 5.3 | 5.8 | 162.47 | -70.3 | -241.3 | 385.5 | 376.1 | 9.46 | 40.765 | |
| 2,300.0 | 2,290.8 | 2,219.9 | 2,199.6 | 5.6 | 6.2 | 163.66 | -68.6 | -262.3 | 419.9 | 410.0 | 9.91 | 42.383 | |
| 2,400.0 | 2,390.0 | 2,313.4 | 2,290.7 | 6.0 | 6.6 | 164.67 | -67.0 | -283.4 | 454.4 | 444.0 | 10.36 | 43.861 | |
| 2,500.0 | 2,489.1 | 2,407.0 | 2,381.9 | 6.3 | 7.0 | 165.53 | -65.3 | -304.5 | 488.9 | 478.1 | 10.81 | 45.213 | |
| 2,600.0 | 2,588.2 | 2,500.6 | 2,473.1 | 6.6 | 7.5 | 166.29 | -63.6 | -325.6 | 523.6 | 512.3 | 11.27 | 46.455 | |
| 2,700.0 | 2,687.3 | 2,594.2 | 2,564.3 | 6.9 | 7.9 | 166.95 | -62.0 | -346.6 | 558.3 | 546.6 | 11.73 | 47.595 | |
| 2,800.0 | 2,786.5 | 2,687.8 | 2,655.4 | 7.2 | 8.3 | 167.53 | -60.3 | -367.7 | 593.1 | 580.9 | 12.19 | 48.647 | |
| 7,300.0 | 7,257.7 | 9,452.3 | 7,751.0 | 20.0 | 49.3 | 1.08 | 1.3 | 648.5 | 503.4 | 434.2 | 69.18 | 7.276 | |
| 7,400.0 | 7,357.4 | 9,452.0 | 7,751.0 | 20.2 | 49.3 | 1.41 | 1.3 | 648.1 | 405.1 | 336.2 | 68.92 | 5.878 | |
| 7,500.0 | 7,455.5 | 9,451.6 | 7,751.0 | 20.3 | 49.3 | 10.89 | 1.3 | 647.8 | 305.5 | 238.7 | 66.76 | 4.576 | |
| 7,600.0 | 7,549.9 | 9,451.3 | 7,751.0 | 20.4 | 49.3 | 178.71 | 1.3 | 647.4 | 205.8 | 140.8 | 64.99 | 3.166 | |
| 7,700.0 | 7,638.8 | 9,451.0 | 7,751.0 | 20.5 | 49.3 | 179.58 | 1.3 | 647.1 | 110.3 | 48.9 | 61.45 | 1.796 | |
| 7,790.6 | 7,713.3 | 9,450.8 | 7,751.0 | 20.6 | 49.3 | 179.87 | 1.3 | 646.9 | 57.6 | 0.2 | 57.44 | 1.003 Level 2, CC, ES, SF | |
| 7,800.0 | 7,720.6 | 9,450.7 | 7,751.0 | 20.7 | 49.3 | 179.90 | 1.3 | 646.9 | 58.4 | 1.4 | 56.99 | 1.025 Level 2 | |
| 7,900.0 | 7,793.5 | 9,450.5 | 7,751.0 | 20.8 | 49.2 | -179.83 | 1.3 | 646.6 | 127.4 | 75.6 | 51.78 | 2.460 | |
| 8,000.0 | 7,856.3 | 9,450.3 | 7,751.0 | 21.0 | 49.2 | -179.17 | 1.3 | 646.4 | 224.4 | 178.4 | 46.05 | 4.874 | |
| 8,100.0 | 7,907.6 | 9,450.1 | 7,751.0 | 21.2 | 49.2 | -2.24 | 1.3 | 646.2 | 324.3 | 283.9 | 40.34 | 8.038 | |
| 8,200.0 | 7,946.4 | 9,450.0 | 7,751.0 | 21.6 | 49.2 | -0.57 | 1.3 | 646.1 | 423.7 | 389.0 | 34.72 | 12.205 | |
| 8,300.0 | 7,972.1 | 9,449.9 | 7,751.0 | 22.2 | 49.2 | -0.32 | 1.3 | 646.0 | 521.6 | 491.4 | 30.22 | 17.259 | |

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | | 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 | 1.0 | 1.0 | 0.0 | 0.0 | -90.00 | 0.0 | -14.9 | 14.9 | 14.9 | 0.00 | N/A | | |
| 100.0 | 100.0 | 101.0 | 101.0 | 0.1 | 0.1 | -90.00 | 0.0 | -14.9 | 14.9 | 14.6 | 0.23 | 65.432 | | |
| 200.0 | 200.0 | 201.0 | 201.0 | 0.3 | 0.3 | -90.00 | 0.0 | -14.9 | 14.9 | 14.2 | 0.68 | 21.956 | | |
| 300.0 | 300.0 | 301.0 | 301.0 | 0.6 | 0.6 | -90.00 | 0.0 | -14.9 | 14.9 | 13.7 | 1.13 | 13.191 | | |
| 400.0 | 400.0 | 401.0 | 401.0 | 0.8 | 0.8 | -90.00 | 0.0 | -14.9 | 14.9 | 13.3 | 1.58 | 9.427 | | |
| 500.0 | 500.0 | 501.0 | 501.0 | 1.0 | 1.0 | -90.00 | 0.0 | -14.9 | 14.9 | 12.8 | 2.03 | 7.335 | | |
| 600.0 | 600.0 | 601.0 | 601.0 | 1.2 | 1.2 | -90.00 | 0.0 | -14.9 | 14.9 | 12.4 | 2.47 | 6.002 | | |
| 700.0 | 700.0 | 701.0 | 701.0 | 1.5 | 1.5 | -90.00 | 0.0 | -14.9 | 14.9 | 11.9 | 2.92 | 5.080 | | |
| 800.0 | 800.0 | 801.0 | 801.0 | 1.7 | 1.7 | -90.00 | 0.0 | -14.9 | 14.9 | 11.5 | 3.37 | 4.403 | | |
| 900.0 | 900.0 | 901.0 | 901.0 | 1.9 | 1.9 | -90.00 | 0.0 | -14.9 | 14.9 | 11.0 | 3.82 | 3.885 | | |
| 1,000.0 | 1,000.0 | 1,001.0 | 1,001.0 | 2.1 | 2.1 | -90.00 | 0.0 | -14.9 | 14.9 | 10.6 | 4.27 | 3.476 CC, ES | | |
| 1,100.0 | 1,100.0 | 1,101.0 | 1,101.0 | 2.3 | 2.4 | 171.50 | 0.0 | -14.9 | 16.6 | 11.9 | 4.71 | 3.523 | | |
| 1,200.0 | 1,199.8 | 1,200.8 | 1,200.8 | 2.5 | 2.6 | 173.53 | 0.0 | -14.9 | 21.8 | 16.6 | 5.12 | 4.250 | | |
| 1,300.0 | 1,299.5 | 1,300.5 | 1,300.5 | 2.8 | 2.8 | 175.36 | 0.0 | -14.9 | 30.4 | 24.9 | 5.54 | 5.497 | | |
| 1,400.0 | 1,398.7 | 1,399.7 | 1,399.7 | 3.0 | 3.0 | 176.67 | 0.0 | -14.9 | 42.5 | 36.6 | 5.96 | 7.140 | | |
| 1,500.0 | 1,497.8 | 1,498.8 | 1,498.8 | 3.3 | 3.3 | 177.46 | 0.0 | -14.9 | 55.7 | 49.3 | 6.39 | 8.721 | | |
| 1,600.0 | 1,597.0 | 1,600.3 | 1,600.3 | 3.5 | 3.5 | 177.83 | -0.4 | -13.1 | 67.2 | 60.4 | 6.81 | 9.867 | | |
| 1,700.0 | 1,696.1 | 1,702.5 | 1,702.4 | 3.8 | 3.7 | 177.87 | -1.5 | -7.9 | 75.2 | 67.9 | 7.22 | 10.406 | | |
| 1,800.0 | 1,795.2 | 1,805.2 | 1,804.6 | 4.1 | 3.9 | 177.67 | -3.4 | 1.0 | 79.6 | 71.9 | 7.65 | 10.406 | | |
| 1,900.0 | 1,894.3 | 1,906.4 | 1,905.1 | 4.4 | 4.1 | 177.31 | -6.0 | 12.7 | 81.0 | 72.9 | 8.08 | 10.029 | | |
| 2,000.0 | 1,993.5 | 2,006.4 | 2,004.4 | 4.7 | 4.4 | 176.94 | -8.5 | 24.6 | 82.1 | 73.6 | 8.51 | 9.648 | | |
| 2,100.0 | 2,092.6 | 2,106.4 | 2,103.6 | 5.0 | 4.6 | 176.58 | -11.1 | 36.4 | 83.2 | 74.3 | 8.95 | 9.298 | | |
| 2,200.0 | 2,191.7 | 2,206.4 | 2,202.9 | 5.3 | 4.9 | 176.23 | -13.7 | 48.3 | 84.3 | 74.9 | 9.40 | 8.977 | | |
| 2,300.0 | 2,290.8 | 2,306.4 | 2,302.1 | 5.6 | 5.1 | 175.89 | -16.3 | 60.2 | 85.5 | 75.6 | 9.84 | 8.681 | | |
| 2,400.0 | 2,390.0 | 2,406.4 | 2,401.4 | 6.0 | 5.4 | 175.55 | -18.8 | 72.0 | 86.6 | 76.3 | 10.30 | 8.407 | | |
| 2,500.0 | 2,489.1 | 2,506.4 | 2,500.6 | 6.3 | 5.7 | 175.23 | -21.4 | 83.9 | 87.7 | 77.0 | 10.76 | 8.155 | | |
| 2,600.0 | 2,588.2 | 2,606.4 | 2,599.9 | 6.6 | 6.0 | 174.91 | -24.0 | 95.8 | 88.8 | 77.6 | 11.22 | 7.921 | | |
| 2,700.0 | 2,687.3 | 2,706.4 | 2,699.1 | 6.9 | 6.2 | 174.60 | -26.6 | 107.6 | 90.0 | 78.3 | 11.68 | 7.703 | | |
| 2,800.0 | 2,786.5 | 2,806.3 | 2,798.4 | 7.2 | 6.5 | 174.30 | -29.1 | 119.5 | 91.1 | 79.0 | 12.15 | 7.501 | | |
| 2,900.0 | 2,885.6 | 2,906.3 | 2,897.6 | 7.6 | 6.8 | 174.01 | -31.7 | 131.4 | 92.2 | 79.6 | 12.61 | 7.313 | | |
| 3,000.0 | 2,984.7 | 3,006.3 | 2,996.9 | 7.9 | 7.1 | 173.72 | -34.3 | 143.2 | 93.4 | 80.3 | 13.09 | 7.136 | | |
| 3,100.0 | 3,083.8 | 3,106.3 | 3,096.2 | 8.2 | 7.4 | 173.45 | -36.9 | 155.1 | 94.5 | 81.0 | 13.56 | 6.972 | | |
| 3,200.0 | 3,183.0 | 3,206.3 | 3,195.4 | 8.5 | 7.7 | 173.17 | -39.4 | 166.9 | 95.7 | 81.6 | 14.03 | 6.817 | | |
| 3,300.0 | 3,282.1 | 3,306.3 | 3,294.7 | 8.9 | 8.0 | 172.91 | -42.0 | 178.8 | 96.8 | 82.3 | 14.51 | 6.672 | | |
| 3,400.0 | 3,381.2 | 3,406.3 | 3,393.9 | 9.2 | 8.3 | 172.65 | -44.6 | 190.7 | 98.0 | 83.0 | 14.99 | 6.536 | | |
| 3,500.0 | 3,480.3 | 3,506.3 | 3,493.2 | 9.5 | 8.6 | 172.39 | -47.1 | 202.5 | 99.1 | 83.7 | 15.47 | 6.407 | | |
| 3,600.0 | 3,579.5 | 3,606.3 | 3,592.4 | 9.9 | 8.9 | 172.15 | -49.7 | 214.4 | 100.3 | 84.3 | 15.95 | 6.286 | | |
| 3,700.0 | 3,678.6 | 3,706.3 | 3,691.7 | 10.2 | 9.2 | 171.90 | -52.3 | 226.3 | 101.4 | 85.0 | 16.44 | 6.171 | | |
| 3,800.0 | 3,777.7 | 3,806.3 | 3,790.9 | 10.5 | 9.5 | 171.67 | -54.9 | 238.1 | 102.6 | 85.7 | 16.92 | 6.062 | | |
| 3,900.0 | 3,876.8 | 3,906.3 | 3,890.2 | 10.8 | 9.8 | 171.44 | -57.4 | 250.0 | 103.7 | 86.3 | 17.41 | 5.960 | | |
| 4,000.0 | 3,975.9 | 4,006.3 | 3,989.4 | 11.2 | 10.2 | 171.21 | -60.0 | 261.9 | 104.9 | 87.0 | 17.90 | 5.862 | | |
| 4,100.0 | 4,075.1 | 4,106.2 | 4,088.7 | 11.5 | 10.5 | 170.99 | -62.6 | 273.7 | 106.1 | 87.7 | 18.39 | 5.769 | | |
| 4,200.0 | 4,174.2 | 4,206.2 | 4,187.9 | 11.8 | 10.8 | 170.77 | -65.2 | 285.6 | 107.2 | 88.4 | 18.88 | 5.681 | | |
| 4,300.0 | 4,273.3 | 4,306.2 | 4,287.2 | 12.2 | 11.1 | 170.56 | -67.7 | 297.5 | 108.4 | 89.0 | 19.37 | 5.597 | | |
| 4,400.0 | 4,372.4 | 4,406.2 | 4,386.4 | 12.5 | 11.4 | 170.35 | -70.3 | 309.3 | 109.6 | 89.7 | 19.86 | 5.517 | | |
| 4,500.0 | 4,471.6 | 4,506.2 | 4,485.7 | 12.8 | 11.7 | 170.15 | -72.9 | 321.2 | 110.7 | 90.4 | 20.35 | 5.441 | | |
| 4,600.0 | 4,570.7 | 4,606.2 | 4,584.9 | 13.2 | 12.0 | 169.95 | -75.4 | 333.1 | 111.9 | 91.1 | 20.85 | 5.368 | | |
| 4,700.0 | 4,669.8 | 4,706.2 | 4,684.2 | 13.5 | 12.3 | 169.76 | -78.0 | 344.9 | 113.1 | 91.7 | 21.34 | 5.298 | | |
| 4,800.0 | 4,768.9 | 4,806.2 | 4,783.5 | 13.8 | 12.7 | 169.56 | -80.6 | 356.8 | 114.2 | 92.4 | 21.84 | 5.231 | | |
| 4,900.0 | 4,868.1 | 4,906.2 | 4,882.7 | 14.2 | 13.0 | 169.38 | -83.2 | 368.7 | 115.4 | 93.1 | 22.33 | 5.167 | | |
| 5,000.0 | 4,967.2 | 5,006.2 | 4,982.0 | 14.5 | 13.3 | 169.19 | -85.7 | 380.5 | 116.6 | 93.8 | 22.83 | 5.106 | | |
| 5,100.0 | 5,066.3 | 5,106.2 | 5,081.2 | 14.8 | 13.6 | 169.01 | -88.3 | 392.4 | 117.8 | 94.4 | 23.33 | 5.047 | | |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | Offset Site Error: | 0.0ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWID | | | | | | | | | | | | Offset Well Error: | 0.0ft |
| 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 |
| 5,200.0 | 5,165.4 | 5,206.2 | 5,180.5 | 15.2 | 13.9 | 168.84 | -90.9 | 404.2 | 118.9 | 95.1 | 23.83 | 4.991 | |
| 5,300.0 | 5,264.6 | 5,306.2 | 5,279.7 | 15.5 | 14.2 | 168.67 | -93.5 | 416.1 | 120.1 | 95.8 | 24.33 | 4.937 | |
| 5,400.0 | 5,363.7 | 5,406.1 | 5,379.0 | 15.8 | 14.5 | 168.50 | -96.0 | 428.0 | 121.3 | 96.5 | 24.83 | 4.885 | |
| 5,500.0 | 5,462.8 | 5,506.1 | 5,478.2 | 16.2 | 14.9 | 168.33 | -98.6 | 439.8 | 122.5 | 97.1 | 25.33 | 4.834 | |
| 5,600.0 | 5,561.9 | 5,606.1 | 5,577.5 | 16.5 | 15.2 | 168.17 | -101.2 | 451.7 | 123.7 | 97.8 | 25.84 | 4.786 | |
| 5,700.0 | 5,661.1 | 5,705.1 | 5,675.7 | 16.8 | 15.5 | 168.02 | -103.7 | 463.4 | 124.9 | 98.6 | 26.33 | 4.745 | |
| 5,800.0 | 5,760.2 | 5,800.0 | 5,770.2 | 17.2 | 15.7 | 168.14 | -105.6 | 472.3 | 128.5 | 101.8 | 26.75 | 4.805 | |
| 5,900.0 | 5,859.3 | 5,896.5 | 5,866.4 | 17.5 | 15.9 | 168.60 | -106.9 | 478.3 | 135.4 | 108.2 | 27.15 | 4.986 | |
| 6,000.0 | 5,958.5 | 5,991.4 | 5,961.4 | 17.8 | 16.0 | 169.31 | -107.5 | 481.1 | 145.2 | 117.7 | 27.52 | 5.275 | |
| 6,100.0 | 6,057.9 | 6,089.0 | 6,058.9 | 18.1 | 16.2 | 170.00 | -107.6 | 481.3 | 155.0 | 127.1 | 27.86 | 5.562 | |
| 6,200.0 | 6,157.7 | 6,188.8 | 6,158.7 | 18.3 | 16.4 | 170.44 | -107.6 | 481.3 | 161.6 | 133.4 | 28.18 | 5.732 | |
| 6,300.0 | 6,257.7 | 6,288.7 | 6,258.7 | 18.4 | 16.5 | 170.63 | -107.6 | 481.3 | 164.7 | 136.3 | 28.49 | 5.782 | |
| 6,400.0 | 6,357.7 | 6,388.7 | 6,358.7 | 18.6 | 16.7 | -89.86 | -107.6 | 481.3 | 165.1 | 136.2 | 28.86 | 5.720 | |
| 6,500.0 | 6,457.7 | 6,488.7 | 6,458.7 | 18.7 | 16.9 | -89.86 | -107.6 | 481.3 | 165.1 | 135.8 | 29.24 | 5.644 | |
| 6,600.0 | 6,557.7 | 6,588.7 | 6,558.7 | 18.9 | 17.1 | -89.86 | -107.6 | 481.3 | 165.1 | 135.4 | 29.63 | 5.570 | |
| 6,700.0 | 6,657.7 | 6,688.7 | 6,658.7 | 19.0 | 17.2 | -89.86 | -107.6 | 481.3 | 165.1 | 135.0 | 30.03 | 5.497 | |
| 6,800.0 | 6,757.7 | 6,788.7 | 6,758.7 | 19.2 | 17.4 | -89.86 | -107.6 | 481.3 | 165.1 | 134.6 | 30.42 | 5.426 | |
| 6,900.0 | 6,857.7 | 6,888.7 | 6,858.7 | 19.4 | 17.6 | -89.86 | -107.6 | 481.3 | 165.1 | 134.2 | 30.81 | 5.357 | |
| 7,000.0 | 6,957.7 | 6,988.7 | 6,958.7 | 19.5 | 17.8 | -89.86 | -107.6 | 481.3 | 165.1 | 133.8 | 31.21 | 5.289 | |
| 7,066.9 | 7,024.6 | 7,055.6 | 7,025.6 | 19.6 | 17.9 | -89.86 | -107.6 | 481.3 | 165.1 | 133.6 | 31.47 | 5.244 | |
| 7,100.0 | 7,057.7 | 7,088.7 | 7,058.7 | 19.7 | 18.0 | -89.76 | -107.3 | 481.3 | 165.1 | 133.5 | 31.60 | 5.223 | |
| 7,111.3 | 7,068.9 | 7,100.0 | 7,069.9 | 19.7 | 18.0 | -89.62 | -106.9 | 481.3 | 165.1 | 133.4 | 31.64 | 5.217 | |
| 7,200.0 | 7,157.7 | 7,187.6 | 7,157.0 | 19.8 | 18.1 | -86.42 | -97.7 | 481.4 | 165.4 | 133.5 | 31.84 | 5.194 | |
| 7,300.0 | 7,257.7 | 7,282.2 | 7,248.9 | 20.0 | 18.3 | -78.98 | -75.9 | 481.5 | 168.3 | 136.3 | 32.07 | 5.249 | |
| 7,400.0 | 7,357.4 | 7,371.5 | 7,332.4 | 20.2 | 18.4 | -69.89 | -44.3 | 481.6 | 176.8 | 144.2 | 32.54 | 5.432 | |
| 7,500.0 | 7,455.5 | 7,457.9 | 7,408.8 | 20.3 | 18.5 | -61.85 | -4.1 | 481.7 | 188.9 | 155.8 | 33.11 | 5.706 | |
| 7,600.0 | 7,549.9 | 7,541.8 | 7,477.9 | 20.4 | 18.6 | -55.20 | 43.5 | 481.8 | 203.3 | 169.8 | 33.47 | 6.074 | |
| 7,700.0 | 7,638.8 | 7,623.8 | 7,539.5 | 20.5 | 18.7 | -49.85 | 97.5 | 482.0 | 218.5 | 185.1 | 33.41 | 6.540 | |
| 7,800.0 | 7,720.6 | 7,700.0 | 7,590.9 | 20.7 | 18.8 | -45.77 | 153.8 | 482.2 | 233.4 | 200.6 | 32.88 | 7.100 | |
| 7,900.0 | 7,793.5 | 7,782.9 | 7,639.6 | 20.8 | 19.0 | -42.32 | 220.7 | 482.4 | 247.3 | 215.3 | 31.98 | 7.733 | |
| 8,000.0 | 7,856.3 | 7,860.6 | 7,678.0 | 21.0 | 19.3 | -39.80 | 288.3 | 482.7 | 259.6 | 228.8 | 30.79 | 8.430 | |
| 8,100.0 | 7,907.6 | 7,937.5 | 7,708.5 | 21.2 | 19.7 | -37.91 | 358.8 | 482.9 | 269.7 | 240.2 | 29.50 | 9.143 | |
| 8,200.0 | 7,946.4 | 8,013.7 | 7,731.1 | 21.6 | 20.2 | -36.58 | 431.6 | 483.1 | 277.6 | 249.2 | 28.32 | 9.801 | |
| 8,300.0 | 7,972.1 | 8,089.5 | 7,745.8 | 22.2 | 20.8 | -35.74 | 505.8 | 483.4 | 282.8 | 255.4 | 27.45 | 10.304 | |
| 8,400.0 | 7,984.1 | 8,165.0 | 7,752.5 | 23.0 | 21.5 | -35.35 | 581.0 | 483.6 | 285.3 | 258.3 | 27.07 | 10.542 | |
| 8,500.0 | 7,985.0 | 8,256.1 | 7,752.9 | 23.9 | 22.4 | -35.30 | 672.1 | 483.9 | 285.6 | 257.8 | 27.86 | 10.252 | |
| 8,600.0 | 7,985.0 | 8,356.1 | 7,752.7 | 25.0 | 23.6 | -35.28 | 772.1 | 484.3 | 285.8 | 256.5 | 29.27 | 9.763 | |
| 8,700.0 | 7,985.0 | 8,456.1 | 7,752.5 | 26.1 | 24.9 | -35.26 | 872.1 | 484.6 | 285.9 | 255.1 | 30.82 | 9.278 | |
| 8,800.0 | 7,985.0 | 8,556.1 | 7,752.3 | 27.4 | 26.2 | -35.24 | 972.1 | 485.0 | 286.1 | 253.6 | 32.49 | 8.807 | |
| 8,900.0 | 7,985.0 | 8,656.1 | 7,752.1 | 28.7 | 27.6 | -35.22 | 1,072.1 | 485.3 | 286.3 | 252.0 | 34.25 | 8.357 | |
| 9,000.0 | 7,985.0 | 8,756.1 | 7,752.0 | 30.1 | 29.1 | -35.19 | 1,172.1 | 485.6 | 286.4 | 250.3 | 36.11 | 7.932 | |
| 9,100.0 | 7,985.0 | 8,856.1 | 7,751.8 | 31.6 | 30.6 | -35.17 | 1,272.1 | 486.0 | 286.6 | 248.5 | 38.03 | 7.535 | |
| 9,200.0 | 7,985.0 | 8,956.1 | 7,751.6 | 33.1 | 32.1 | -35.15 | 1,372.1 | 486.3 | 286.7 | 246.7 | 40.02 | 7.164 | |
| 9,300.0 | 7,985.0 | 9,056.1 | 7,751.4 | 34.7 | 33.7 | -35.13 | 1,472.1 | 486.6 | 286.9 | 244.8 | 42.06 | 6.820 | |
| 9,400.0 | 7,985.0 | 9,156.1 | 7,751.2 | 36.2 | 35.4 | -35.11 | 1,572.1 | 487.0 | 287.0 | 242.9 | 44.14 | 6.502 | |
| 9,500.0 | 7,985.0 | 9,256.1 | 7,751.0 | 37.8 | 37.0 | -35.09 | 1,672.1 | 487.3 | 287.2 | 240.9 | 46.27 | 6.206 | |
| 9,600.0 | 7,985.0 | 9,356.1 | 7,750.8 | 39.5 | 38.7 | -35.07 | 1,772.1 | 487.7 | 287.3 | 238.9 | 48.43 | 5.933 | |
| 9,700.0 | 7,985.0 | 9,456.1 | 7,750.6 | 41.1 | 40.4 | -35.04 | 1,872.1 | 488.0 | 287.5 | 236.9 | 50.61 | 5.680 | |
| 9,800.0 | 7,985.0 | 9,556.1 | 7,750.5 | 42.8 | 42.1 | -35.02 | 1,972.1 | 488.3 | 287.6 | 234.8 | 52.82 | 5.445 | |
| 9,900.0 | 7,985.0 | 9,656.1 | 7,750.3 | 44.5 | 43.8 | -35.00 | 2,072.1 | 488.7 | 287.8 | 232.7 | 55.06 | 5.227 | |
| 10,000.0 | 7,985.0 | 9,756.1 | 7,750.1 | 46.3 | 45.6 | -34.98 | 2,172.1 | 489.0 | 287.9 | 230.6 | 57.31 | 5.024 | |
| 10,100.0 | 7,985.0 | 9,856.1 | 7,749.9 | 48.0 | 47.3 | -34.96 | 2,272.1 | 489.4 | 288.1 | 228.5 | 59.58 | 4.835 | |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWDD | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| 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 |
| 10,200.0 | 7,985.0 | 9,956.1 | 7,749.7 | 49.7 | 49.1 | -34.94 | 2,372.1 | 489.7 | 288.2 | 226.4 | 61.86 | 4.659 | |
| 10,300.0 | 7,985.0 | 10,056.1 | 7,749.5 | 51.5 | 50.9 | -34.92 | 2,472.1 | 490.0 | 288.4 | 224.2 | 64.16 | 4.495 | |
| 10,400.0 | 7,985.0 | 10,156.1 | 7,749.3 | 53.3 | 52.7 | -34.89 | 2,572.1 | 490.4 | 288.5 | 222.1 | 66.47 | 4.341 | |
| 10,500.0 | 7,985.0 | 10,256.1 | 7,749.2 | 55.0 | 54.5 | -34.87 | 2,672.1 | 490.7 | 288.7 | 219.9 | 68.78 | 4.197 | |
| 10,600.0 | 7,985.0 | 10,356.1 | 7,749.0 | 56.8 | 56.3 | -34.85 | 2,772.1 | 491.1 | 288.8 | 217.7 | 71.11 | 4.062 | |
| 10,700.0 | 7,985.0 | 10,456.1 | 7,748.8 | 58.6 | 58.1 | -34.83 | 2,872.1 | 491.4 | 289.0 | 215.5 | 73.45 | 3.935 | |
| 10,800.0 | 7,985.0 | 10,556.1 | 7,748.6 | 60.4 | 59.9 | -34.81 | 2,972.1 | 491.7 | 289.1 | 213.4 | 75.79 | 3.815 | |
| 10,900.0 | 7,985.0 | 10,656.1 | 7,748.4 | 62.2 | 61.7 | -34.79 | 3,072.1 | 492.1 | 289.3 | 211.2 | 78.14 | 3.702 | |
| 11,000.0 | 7,985.0 | 10,756.1 | 7,748.2 | 64.0 | 63.6 | -34.77 | 3,172.1 | 492.4 | 289.4 | 209.0 | 80.49 | 3.596 | |
| 11,100.0 | 7,985.0 | 10,856.1 | 7,748.0 | 65.9 | 65.4 | -34.75 | 3,272.1 | 492.7 | 289.6 | 206.8 | 82.85 | 3.496 | |
| 11,200.0 | 7,985.0 | 10,956.1 | 7,747.9 | 67.7 | 67.2 | -34.73 | 3,372.1 | 493.1 | 289.7 | 204.5 | 85.21 | 3.400 | |
| 11,300.0 | 7,985.0 | 11,056.1 | 7,747.7 | 69.5 | 69.1 | -34.70 | 3,472.1 | 493.4 | 289.9 | 202.3 | 87.57 | 3.310 | |
| 11,400.0 | 7,985.0 | 11,156.1 | 7,747.5 | 71.4 | 70.9 | -34.68 | 3,572.1 | 493.8 | 290.1 | 200.1 | 89.94 | 3.225 | |
| 11,500.0 | 7,985.0 | 11,256.1 | 7,747.3 | 73.2 | 72.8 | -34.66 | 3,672.1 | 494.1 | 290.2 | 197.9 | 92.32 | 3.144 | |
| 11,600.0 | 7,985.0 | 11,356.1 | 7,747.1 | 75.0 | 74.6 | -34.64 | 3,772.1 | 494.4 | 290.4 | 195.7 | 94.69 | 3.066 | |
| 11,700.0 | 7,985.0 | 11,456.1 | 7,746.9 | 76.9 | 76.5 | -34.62 | 3,872.1 | 494.8 | 290.5 | 193.4 | 97.07 | 2.993 | |
| 11,800.0 | 7,985.0 | 11,556.1 | 7,746.7 | 78.7 | 78.3 | -34.60 | 3,972.1 | 495.1 | 290.7 | 191.2 | 99.45 | 2.923 | |
| 11,900.0 | 7,985.0 | 11,656.1 | 7,746.6 | 80.6 | 80.2 | -34.58 | 4,072.1 | 495.5 | 290.8 | 189.0 | 101.83 | 2.856 | |
| 12,000.0 | 7,985.0 | 11,756.1 | 7,746.4 | 82.4 | 82.1 | -34.56 | 4,172.1 | 495.8 | 291.0 | 186.8 | 104.21 | 2.792 | |
| 12,100.0 | 7,985.0 | 11,856.1 | 7,746.2 | 84.3 | 83.9 | -34.54 | 4,272.1 | 496.1 | 291.1 | 184.5 | 106.60 | 2.731 | |
| 12,200.0 | 7,985.0 | 11,956.1 | 7,746.0 | 86.2 | 85.8 | -34.52 | 4,372.1 | 496.5 | 291.3 | 182.3 | 108.98 | 2.673 | |
| 12,300.0 | 7,985.0 | 12,056.1 | 7,745.8 | 88.0 | 87.7 | -34.50 | 4,472.1 | 496.8 | 291.4 | 180.1 | 111.37 | 2.617 | |
| 12,400.0 | 7,985.0 | 12,156.1 | 7,745.6 | 89.9 | 89.6 | -34.47 | 4,572.1 | 497.1 | 291.6 | 177.8 | 113.76 | 2.563 | |
| 12,500.0 | 7,985.0 | 12,256.1 | 7,745.4 | 91.8 | 91.4 | -34.45 | 4,672.1 | 497.5 | 291.7 | 175.6 | 116.14 | 2.512 | |
| 12,600.0 | 7,985.0 | 12,356.1 | 7,745.3 | 93.6 | 93.3 | -34.43 | 4,772.1 | 497.8 | 291.9 | 173.4 | 118.53 | 2.463 | |
| 12,700.0 | 7,985.0 | 12,456.1 | 7,745.1 | 95.5 | 95.2 | -34.41 | 4,872.1 | 498.2 | 292.0 | 171.1 | 120.92 | 2.415 | |
| 12,800.0 | 7,985.0 | 12,556.1 | 7,744.9 | 97.4 | 97.1 | -34.39 | 4,972.1 | 498.5 | 292.2 | 168.9 | 123.31 | 2.370 | |
| 12,900.0 | 7,985.0 | 12,656.1 | 7,744.7 | 99.2 | 98.9 | -34.37 | 5,072.0 | 498.8 | 292.3 | 166.7 | 125.70 | 2.326 | |
| 13,000.0 | 7,985.0 | 12,756.1 | 7,744.5 | 101.1 | 100.8 | -34.35 | 5,172.0 | 499.2 | 292.5 | 164.4 | 128.09 | 2.284 | |
| 13,100.0 | 7,985.0 | 12,856.1 | 7,744.3 | 103.0 | 102.7 | -34.33 | 5,272.0 | 499.5 | 292.7 | 162.2 | 130.47 | 2.243 | |
| 13,200.0 | 7,985.0 | 12,956.1 | 7,744.1 | 104.9 | 104.6 | -34.31 | 5,372.0 | 499.9 | 292.8 | 159.9 | 132.86 | 2.204 | |
| 13,300.0 | 7,985.0 | 13,056.1 | 7,744.0 | 106.7 | 106.5 | -34.29 | 5,472.0 | 500.2 | 293.0 | 157.7 | 135.25 | 2.166 | |
| 13,400.0 | 7,985.0 | 13,156.1 | 7,743.8 | 108.6 | 108.4 | -34.27 | 5,572.0 | 500.5 | 293.1 | 155.5 | 137.64 | 2.130 | |
| 13,500.0 | 7,985.0 | 13,256.1 | 7,743.6 | 110.5 | 110.2 | -34.25 | 5,672.0 | 500.9 | 293.3 | 153.2 | 140.03 | 2.094 | |
| 13,600.0 | 7,985.0 | 13,356.1 | 7,743.4 | 112.4 | 112.1 | -34.23 | 5,772.0 | 501.2 | 293.4 | 151.0 | 142.41 | 2.060 | |
| 13,700.0 | 7,985.0 | 13,456.1 | 7,743.2 | 114.3 | 114.0 | -34.21 | 5,872.0 | 501.5 | 293.6 | 148.8 | 144.80 | 2.027 | |
| 13,800.0 | 7,985.0 | 13,556.1 | 7,743.0 | 116.2 | 115.9 | -34.19 | 5,972.0 | 501.9 | 293.7 | 146.5 | 147.19 | 1.996 | |
| 13,900.0 | 7,985.0 | 13,656.1 | 7,742.8 | 118.0 | 117.8 | -34.16 | 6,072.0 | 502.2 | 293.9 | 144.3 | 149.57 | 1.965 | |
| 14,000.0 | 7,985.0 | 13,756.1 | 7,742.6 | 119.9 | 119.7 | -34.14 | 6,172.0 | 502.6 | 294.0 | 142.1 | 151.96 | 1.935 | |
| 14,100.0 | 7,985.0 | 13,856.1 | 7,742.5 | 121.8 | 121.6 | -34.12 | 6,272.0 | 502.9 | 294.2 | 139.8 | 154.34 | 1.906 | |
| 14,200.0 | 7,985.0 | 13,956.1 | 7,742.3 | 123.7 | 123.5 | -34.10 | 6,372.0 | 503.2 | 294.3 | 137.6 | 156.73 | 1.878 | |
| 14,300.0 | 7,985.0 | 14,056.1 | 7,742.1 | 125.6 | 125.4 | -34.08 | 6,472.0 | 503.6 | 294.5 | 135.4 | 159.11 | 1.851 | |
| 14,400.0 | 7,985.0 | 14,156.1 | 7,741.9 | 127.5 | 127.3 | -34.06 | 6,572.0 | 503.9 | 294.7 | 133.2 | 161.49 | 1.825 | |
| 14,500.0 | 7,985.0 | 14,256.1 | 7,741.7 | 129.4 | 129.1 | -34.04 | 6,672.0 | 504.3 | 294.8 | 130.9 | 163.87 | 1.799 | |
| 14,600.0 | 7,985.0 | 14,356.1 | 7,741.5 | 131.3 | 131.0 | -34.02 | 6,772.0 | 504.6 | 295.0 | 128.7 | 166.25 | 1.774 | |
| 14,700.0 | 7,985.0 | 14,456.1 | 7,741.3 | 133.2 | 132.9 | -34.00 | 6,872.0 | 504.9 | 295.1 | 126.5 | 168.63 | 1.750 | |
| 14,800.0 | 7,985.0 | 14,556.1 | 7,741.2 | 135.0 | 134.8 | -33.98 | 6,972.0 | 505.3 | 295.3 | 124.3 | 171.01 | 1.727 | |
| 14,900.0 | 7,985.0 | 14,656.1 | 7,741.0 | 136.9 | 136.7 | -33.96 | 7,072.0 | 505.6 | 295.4 | 122.0 | 173.39 | 1.704 | |
| 15,000.0 | 7,985.0 | 14,756.1 | 7,740.8 | 138.8 | 138.6 | -33.94 | 7,172.0 | 505.9 | 295.6 | 119.8 | 175.77 | 1.682 | |
| 15,100.0 | 7,985.0 | 14,856.1 | 7,740.6 | 140.7 | 140.5 | -33.92 | 7,272.0 | 506.3 | 295.7 | 117.6 | 178.14 | 1.660 | |
| 15,200.0 | 7,985.0 | 14,956.1 | 7,740.4 | 142.6 | 142.4 | -33.90 | 7,372.0 | 506.6 | 295.9 | 115.4 | 180.52 | 1.639 | |
| 15,300.0 | 7,985.0 | 15,056.1 | 7,740.2 | 144.5 | 144.3 | -33.88 | 7,472.0 | 507.0 | 296.0 | 113.1 | 182.89 | 1.619 | |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey M-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|--------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | | Between Centres | Between Ellipses | Minimum Separation | Separation Factor | Warning | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | (ft) | | | |
| 15,400.0 | 7,985.0 | 15,156.1 | 7,740.0 | 146.4 | 146.2 | -33.86 | 7,572.0 | 507.3 | 296.2 | 110.9 | 185.26 | 1.599 | | |
| 15,500.0 | 7,985.0 | 15,256.1 | 7,739.9 | 148.3 | 148.1 | -33.84 | 7,672.0 | 507.6 | 296.3 | 108.7 | 187.63 | 1.579 | | |
| 15,600.0 | 7,985.0 | 15,356.1 | 7,739.7 | 150.2 | 150.0 | -33.82 | 7,772.0 | 508.0 | 296.5 | 106.5 | 190.00 | 1.560 | | |
| 15,700.0 | 7,985.0 | 15,456.1 | 7,739.5 | 152.1 | 151.9 | -33.80 | 7,872.0 | 508.3 | 296.7 | 104.3 | 192.37 | 1.542 | | |
| 15,800.0 | 7,985.0 | 15,556.0 | 7,739.3 | 154.0 | 153.8 | -33.78 | 7,972.0 | 508.7 | 296.8 | 102.1 | 194.74 | 1.524 | | |
| 15,900.0 | 7,985.0 | 15,656.0 | 7,739.1 | 155.9 | 155.7 | -33.76 | 8,072.0 | 509.0 | 297.0 | 99.9 | 197.11 | 1.507 | | |
| 16,000.0 | 7,985.0 | 15,756.0 | 7,738.9 | 157.8 | 157.6 | -33.74 | 8,172.0 | 509.3 | 297.1 | 97.6 | 199.47 | 1.490 | Level 3 | |
| 16,100.0 | 7,985.0 | 15,856.0 | 7,738.7 | 159.7 | 159.5 | -33.72 | 8,272.0 | 509.7 | 297.3 | 95.4 | 201.84 | 1.473 | Level 3 | |
| 16,200.0 | 7,985.0 | 15,956.0 | 7,738.6 | 161.6 | 161.4 | -33.70 | 8,372.0 | 510.0 | 297.4 | 93.2 | 204.20 | 1.457 | Level 3 | |
| 16,300.0 | 7,985.0 | 16,056.0 | 7,738.4 | 163.5 | 163.3 | -33.68 | 8,472.0 | 510.3 | 297.6 | 91.0 | 206.56 | 1.441 | Level 3 | |
| 16,400.0 | 7,985.0 | 16,156.0 | 7,738.2 | 165.4 | 165.2 | -33.66 | 8,572.0 | 510.7 | 297.7 | 88.8 | 208.92 | 1.425 | Level 3 | |
| 16,499.4 | 7,985.0 | 16,254.0 | 7,738.0 | 167.3 | 167.1 | -33.64 | 8,670.0 | 511.0 | 297.9 | 86.6 | 211.25 | 1.410 | Level 3, SF | |

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | | 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 | 91.38 | -0.4 | 15.1 | 15.1 | 15.1 | 0.00 | N/A | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 91.38 | -0.4 | 15.1 | 15.1 | 14.9 | 0.22 | 67.353 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 91.38 | -0.4 | 15.1 | 15.1 | 14.5 | 0.67 | 22.451 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.6 | 0.6 | 91.38 | -0.4 | 15.1 | 15.1 | 14.0 | 1.12 | 13.471 | | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.8 | 0.8 | 91.38 | -0.4 | 15.1 | 15.1 | 13.6 | 1.57 | 9.622 | | |
| 500.0 | 500.0 | 500.0 | 500.0 | 1.0 | 1.0 | 91.38 | -0.4 | 15.1 | 15.1 | 13.1 | 2.02 | 7.484 | | |
| 600.0 | 600.0 | 600.0 | 600.0 | 1.2 | 1.2 | 91.38 | -0.4 | 15.1 | 15.1 | 12.7 | 2.47 | 6.123 | | |
| 700.0 | 700.0 | 700.0 | 700.0 | 1.5 | 1.5 | 91.38 | -0.4 | 15.1 | 15.1 | 12.2 | 2.92 | 5.181 | | |
| 800.0 | 800.0 | 800.0 | 800.0 | 1.7 | 1.7 | 91.38 | -0.4 | 15.1 | 15.1 | 11.8 | 3.37 | 4.490 CC, ES | | |
| 900.0 | 900.0 | 899.4 | 899.4 | 1.9 | 1.9 | 92.02 | -0.6 | 16.8 | 16.9 | 13.1 | 3.81 | 4.432 | | |
| 1,000.0 | 1,000.0 | 998.6 | 998.5 | 2.1 | 2.1 | 93.35 | -1.3 | 22.0 | 22.0 | 17.8 | 4.23 | 5.209 | | |
| 1,100.0 | 1,100.0 | 1,097.5 | 1,097.0 | 2.3 | 2.3 | -5.20 | -2.4 | 30.4 | 28.9 | 24.3 | 4.64 | 6.238 | | |
| 1,200.0 | 1,199.8 | 1,196.2 | 1,194.9 | 2.5 | 2.6 | -4.80 | -4.0 | 42.2 | 35.8 | 30.8 | 5.04 | 7.108 | | |
| 1,300.0 | 1,299.5 | 1,295.5 | 1,293.1 | 2.8 | 2.8 | -4.71 | -6.0 | 56.9 | 42.0 | 36.6 | 5.44 | 7.717 | | |
| 1,400.0 | 1,398.7 | 1,395.4 | 1,391.9 | 3.0 | 3.1 | -4.99 | -8.0 | 71.9 | 45.1 | 39.2 | 5.86 | 7.694 | | |
| 1,500.0 | 1,497.8 | 1,495.4 | 1,490.7 | 3.3 | 3.4 | -5.35 | -10.1 | 86.9 | 47.1 | 40.8 | 6.30 | 7.471 | | |
| 1,600.0 | 1,597.0 | 1,595.4 | 1,589.6 | 3.5 | 3.8 | -5.69 | -12.1 | 101.9 | 49.0 | 42.3 | 6.75 | 7.269 | | |
| 1,700.0 | 1,696.1 | 1,695.4 | 1,688.4 | 3.8 | 4.1 | -6.00 | -14.1 | 116.8 | 51.0 | 43.8 | 7.20 | 7.085 | | |
| 1,800.0 | 1,795.2 | 1,795.3 | 1,787.2 | 4.1 | 4.4 | -6.29 | -16.1 | 131.8 | 53.0 | 45.3 | 7.66 | 6.919 | | |
| 1,900.0 | 1,894.3 | 1,895.3 | 1,886.0 | 4.4 | 4.8 | -6.55 | -18.2 | 146.8 | 55.0 | 46.9 | 8.13 | 6.767 | | |
| 2,000.0 | 1,993.5 | 1,995.3 | 1,984.9 | 4.7 | 5.1 | -6.80 | -20.2 | 161.8 | 57.0 | 48.4 | 8.60 | 6.628 | | |
| 2,100.0 | 2,092.6 | 2,095.3 | 2,083.7 | 5.0 | 5.4 | -7.03 | -22.2 | 176.8 | 59.0 | 49.9 | 9.07 | 6.502 | | |
| 2,200.0 | 2,191.7 | 2,195.3 | 2,182.5 | 5.3 | 5.8 | -7.25 | -24.3 | 191.8 | 61.0 | 51.4 | 9.55 | 6.386 | | |
| 2,300.0 | 2,290.8 | 2,295.2 | 2,281.4 | 5.6 | 6.1 | -7.45 | -26.3 | 206.8 | 62.9 | 52.9 | 10.02 | 6.280 | | |
| 2,400.0 | 2,390.0 | 2,395.2 | 2,380.2 | 6.0 | 6.5 | -7.64 | -28.3 | 221.8 | 64.9 | 54.4 | 10.50 | 6.182 | | |
| 2,500.0 | 2,489.1 | 2,495.2 | 2,479.0 | 6.3 | 6.8 | -7.82 | -30.3 | 236.8 | 66.9 | 55.9 | 10.99 | 6.091 | | |
| 2,600.0 | 2,588.2 | 2,595.2 | 2,577.8 | 6.6 | 7.2 | -7.99 | -32.4 | 251.8 | 68.9 | 57.4 | 11.47 | 6.007 | | |
| 2,700.0 | 2,687.3 | 2,695.2 | 2,676.7 | 6.9 | 7.6 | -8.15 | -34.4 | 266.8 | 70.9 | 58.9 | 11.96 | 5.929 | | |
| 2,800.0 | 2,786.5 | 2,795.1 | 2,775.5 | 7.2 | 7.9 | -8.30 | -36.4 | 281.8 | 72.9 | 60.5 | 12.45 | 5.857 | | |
| 2,900.0 | 2,885.6 | 2,895.1 | 2,874.3 | 7.6 | 8.3 | -8.44 | -38.4 | 296.8 | 74.9 | 62.0 | 12.94 | 5.789 | | |
| 3,000.0 | 2,984.7 | 2,995.1 | 2,973.1 | 7.9 | 8.6 | -8.57 | -40.5 | 311.8 | 76.9 | 63.5 | 13.43 | 5.726 | | |
| 3,100.0 | 3,083.8 | 3,095.1 | 3,072.0 | 8.2 | 9.0 | -8.70 | -42.5 | 326.8 | 78.9 | 65.0 | 13.92 | 5.667 | | |
| 3,200.0 | 3,183.0 | 3,195.1 | 3,170.8 | 8.5 | 9.3 | -8.82 | -44.5 | 341.8 | 80.9 | 66.5 | 14.41 | 5.612 | | |
| 3,300.0 | 3,282.1 | 3,295.0 | 3,269.6 | 8.9 | 9.7 | -8.94 | -46.6 | 356.8 | 82.9 | 68.0 | 14.90 | 5.560 | | |
| 3,400.0 | 3,381.2 | 3,395.0 | 3,368.5 | 9.2 | 10.1 | -9.05 | -48.6 | 371.8 | 84.9 | 69.5 | 15.40 | 5.511 | | |
| 3,500.0 | 3,480.3 | 3,495.0 | 3,467.3 | 9.5 | 10.4 | -9.15 | -50.6 | 386.8 | 86.9 | 71.0 | 15.89 | 5.465 | | |
| 3,600.0 | 3,579.5 | 3,595.0 | 3,566.1 | 9.9 | 10.8 | -9.26 | -52.6 | 401.8 | 88.8 | 72.5 | 16.39 | 5.421 | | |
| 3,700.0 | 3,678.6 | 3,695.0 | 3,664.9 | 10.2 | 11.1 | -9.35 | -54.7 | 416.8 | 90.8 | 74.0 | 16.89 | 5.380 | | |
| 3,800.0 | 3,777.7 | 3,794.9 | 3,763.8 | 10.5 | 11.5 | -9.44 | -56.7 | 431.8 | 92.8 | 75.5 | 17.38 | 5.341 | | |
| 3,900.0 | 3,876.8 | 3,894.9 | 3,862.6 | 10.8 | 11.9 | -9.53 | -58.7 | 446.8 | 94.8 | 77.0 | 17.88 | 5.304 | | |
| 4,000.0 | 3,975.9 | 3,994.9 | 3,961.4 | 11.2 | 12.2 | -9.62 | -60.8 | 461.8 | 96.8 | 78.5 | 18.38 | 5.269 | | |
| 4,100.0 | 4,075.1 | 4,094.9 | 4,060.3 | 11.5 | 12.6 | -9.70 | -62.8 | 476.8 | 98.8 | 79.9 | 18.88 | 5.235 | | |
| 4,200.0 | 4,174.2 | 4,194.9 | 4,159.1 | 11.8 | 13.0 | -9.78 | -64.8 | 491.7 | 100.8 | 81.4 | 19.38 | 5.204 | | |
| 4,300.0 | 4,273.3 | 4,294.8 | 4,257.9 | 12.2 | 13.3 | -9.85 | -66.8 | 506.7 | 102.8 | 82.9 | 19.87 | 5.173 | | |
| 4,400.0 | 4,372.4 | 4,394.8 | 4,356.7 | 12.5 | 13.7 | -9.92 | -68.9 | 521.7 | 104.8 | 84.4 | 20.37 | 5.144 | | |
| 4,500.0 | 4,471.6 | 4,494.8 | 4,455.6 | 12.8 | 14.0 | -9.99 | -70.9 | 536.7 | 106.8 | 85.9 | 20.87 | 5.117 | | |
| 4,600.0 | 4,570.7 | 4,594.8 | 4,554.4 | 13.2 | 14.4 | -10.06 | -72.9 | 551.7 | 108.8 | 87.4 | 21.38 | 5.090 | | |
| 4,700.0 | 4,669.8 | 4,694.8 | 4,653.2 | 13.5 | 14.8 | -10.12 | -74.9 | 566.7 | 110.8 | 88.9 | 21.88 | 5.065 | | |
| 4,800.0 | 4,768.9 | 4,794.7 | 4,752.1 | 13.8 | 15.1 | -10.19 | -77.0 | 581.7 | 112.8 | 90.4 | 22.38 | 5.041 | | |
| 4,900.0 | 4,868.1 | 4,894.7 | 4,850.9 | 14.2 | 15.5 | -10.25 | -79.0 | 596.7 | 114.8 | 91.9 | 22.88 | 5.018 | | |
| 5,000.0 | 4,967.2 | 4,994.7 | 4,949.7 | 14.5 | 15.9 | -10.30 | -81.0 | 611.7 | 116.8 | 93.4 | 23.38 | 4.996 | | |
| 5,100.0 | 5,066.3 | 5,094.7 | 5,048.5 | 14.8 | 16.2 | -10.36 | -83.1 | 626.7 | 118.8 | 94.9 | 23.88 | 4.974 | | |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | 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 |
| 5,200.0 | 5,165.4 | 5,194.7 | 5,147.4 | 15.2 | 16.6 | -10.41 | -85.1 | 641.7 | 120.8 | 96.4 | 24.38 | 4.954 | |
| 5,300.0 | 5,264.6 | 5,294.6 | 5,246.2 | 15.5 | 16.9 | -10.47 | -87.1 | 656.7 | 122.8 | 97.9 | 24.89 | 4.934 | |
| 5,400.0 | 5,363.7 | 5,394.6 | 5,345.0 | 15.8 | 17.3 | -10.52 | -89.1 | 671.7 | 124.8 | 99.4 | 25.39 | 4.915 | |
| 5,500.0 | 5,462.8 | 5,494.6 | 5,443.9 | 16.2 | 17.7 | -10.57 | -91.2 | 686.7 | 126.8 | 100.9 | 25.89 | 4.897 | |
| 5,600.0 | 5,561.9 | 5,594.6 | 5,542.7 | 16.5 | 18.0 | -10.61 | -93.2 | 701.7 | 128.8 | 102.4 | 26.40 | 4.879 | |
| 5,700.0 | 5,661.1 | 5,694.6 | 5,641.5 | 16.8 | 18.4 | -10.66 | -95.2 | 716.7 | 130.8 | 103.9 | 26.90 | 4.862 | |
| 5,800.0 | 5,760.2 | 5,794.5 | 5,740.3 | 17.2 | 18.8 | -10.70 | -97.3 | 731.7 | 132.8 | 105.4 | 27.40 | 4.846 | |
| 5,900.0 | 5,859.3 | 5,894.5 | 5,839.2 | 17.5 | 19.1 | -10.75 | -99.3 | 746.7 | 134.8 | 106.9 | 27.91 | 4.830 | |
| 6,000.0 | 5,958.5 | 5,994.5 | 5,938.0 | 17.8 | 19.5 | -10.77 | -101.3 | 761.7 | 137.0 | 108.6 | 28.40 | 4.824 | |
| 6,100.0 | 6,057.9 | 6,094.4 | 6,036.7 | 18.1 | 19.9 | -10.60 | -103.3 | 776.7 | 142.0 | 113.2 | 28.81 | 4.928 | |
| 6,200.0 | 6,157.7 | 6,197.8 | 6,139.1 | 18.3 | 20.2 | -10.25 | -105.3 | 791.2 | 149.5 | 120.4 | 29.17 | 5.126 | |
| 6,300.0 | 6,257.7 | 6,303.1 | 6,243.8 | 18.4 | 20.4 | -9.88 | -106.8 | 802.5 | 157.0 | 127.6 | 29.44 | 5.333 | |
| 6,400.0 | 6,357.7 | 6,408.7 | 6,349.1 | 18.6 | 20.6 | 89.94 | -107.8 | 809.9 | 163.8 | 134.0 | 29.77 | 5.501 | |
| 6,500.0 | 6,457.7 | 6,514.7 | 6,455.1 | 18.7 | 20.8 | 90.11 | -108.3 | 813.5 | 167.1 | 137.0 | 30.12 | 5.548 | |
| 6,600.0 | 6,557.7 | 6,617.3 | 6,557.7 | 18.9 | 20.9 | 90.12 | -108.4 | 813.9 | 167.5 | 137.0 | 30.50 | 5.491 | |
| 6,700.0 | 6,657.7 | 6,717.3 | 6,657.7 | 19.0 | 21.1 | 90.12 | -108.4 | 813.9 | 167.5 | 136.6 | 30.87 | 5.425 | |
| 6,800.0 | 6,757.7 | 6,817.3 | 6,757.7 | 19.2 | 21.2 | 90.12 | -108.4 | 813.9 | 167.5 | 136.2 | 31.25 | 5.359 | |
| 6,900.0 | 6,857.7 | 6,917.3 | 6,857.7 | 19.4 | 21.4 | 90.12 | -108.4 | 813.9 | 167.5 | 135.8 | 31.63 | 5.295 | |
| 7,000.0 | 6,957.7 | 7,017.3 | 6,957.7 | 19.5 | 21.5 | 90.12 | -108.4 | 813.9 | 167.5 | 135.5 | 32.01 | 5.232 | |
| 7,100.0 | 7,057.7 | 7,117.3 | 7,057.7 | 19.7 | 21.7 | 90.02 | -108.1 | 813.9 | 167.5 | 135.1 | 32.40 | 5.169 | |
| 7,114.1 | 7,071.7 | 7,131.4 | 7,071.7 | 19.7 | 21.7 | 89.84 | -107.5 | 813.9 | 167.5 | 135.0 | 32.46 | 5.159 | |
| 7,200.0 | 7,157.7 | 7,216.3 | 7,156.0 | 19.8 | 21.8 | 86.72 | -98.4 | 813.9 | 167.8 | 134.8 | 33.00 | 5.084 | |
| 7,300.0 | 7,257.7 | 7,310.8 | 7,248.0 | 20.0 | 21.9 | 79.37 | -76.6 | 813.9 | 170.7 | 136.7 | 34.01 | 5.018 | |
| 7,400.0 | 7,357.4 | 7,400.0 | 7,331.3 | 20.2 | 22.0 | 70.03 | -45.1 | 813.9 | 178.9 | 143.5 | 35.41 | 5.054 | |
| 7,500.0 | 7,455.5 | 7,486.6 | 7,407.9 | 20.3 | 22.1 | 62.04 | -4.8 | 813.9 | 190.9 | 154.4 | 36.51 | 5.229 | |
| 7,600.0 | 7,549.9 | 7,570.6 | 7,477.1 | 20.4 | 22.2 | 55.43 | 42.9 | 813.9 | 205.0 | 168.0 | 36.93 | 5.550 | |
| 7,700.0 | 7,638.8 | 7,650.0 | 7,536.9 | 20.5 | 22.3 | 50.22 | 95.0 | 813.9 | 219.9 | 183.2 | 36.65 | 6.000 | |
| 7,800.0 | 7,720.6 | 7,732.9 | 7,592.8 | 20.7 | 22.4 | 45.86 | 156.2 | 813.9 | 234.5 | 198.8 | 35.74 | 6.562 | |
| 7,900.0 | 7,793.5 | 7,811.9 | 7,639.1 | 20.8 | 22.5 | 42.55 | 220.1 | 813.9 | 248.1 | 213.7 | 34.41 | 7.209 | |
| 8,000.0 | 7,856.3 | 7,889.7 | 7,677.5 | 21.0 | 22.7 | 40.00 | 287.7 | 813.9 | 260.0 | 227.1 | 32.96 | 7.890 | |
| 8,100.0 | 7,907.6 | 7,966.6 | 7,708.2 | 21.2 | 23.0 | 38.10 | 358.3 | 813.9 | 269.9 | 238.2 | 31.70 | 8.516 | |
| 8,200.0 | 7,946.4 | 8,043.0 | 7,730.9 | 21.6 | 23.3 | 36.75 | 431.1 | 813.9 | 277.5 | 246.5 | 30.97 | 8.959 | |
| 8,300.0 | 7,972.1 | 8,118.8 | 7,745.7 | 22.2 | 23.8 | 35.88 | 505.4 | 813.9 | 282.4 | 251.3 | 31.07 | 9.089 | |
| 8,400.0 | 7,984.1 | 8,200.0 | 7,752.7 | 23.0 | 24.3 | 35.46 | 586.3 | 813.9 | 284.7 | 252.5 | 32.20 | 8.841 | |
| 8,429.7 | 7,985.4 | 8,216.9 | 7,753.0 | 23.3 | 24.5 | 35.40 | 603.1 | 813.9 | 285.1 | 252.5 | 32.55 | 8.757 | |
| 8,500.0 | 7,985.0 | 8,284.7 | 7,752.9 | 23.9 | 25.0 | 35.42 | 671.0 | 814.0 | 284.8 | 251.1 | 33.69 | 8.452 | |
| 8,600.0 | 7,985.0 | 8,384.7 | 7,752.7 | 25.0 | 26.0 | 35.39 | 771.0 | 814.4 | 284.9 | 249.7 | 35.26 | 8.082 | |
| 8,700.0 | 7,985.0 | 8,484.7 | 7,752.5 | 26.1 | 27.1 | 35.37 | 871.0 | 814.7 | 285.1 | 248.2 | 36.93 | 7.720 | |
| 8,800.0 | 7,985.0 | 8,584.7 | 7,752.3 | 27.4 | 28.3 | 35.35 | 971.0 | 815.1 | 285.2 | 246.6 | 38.69 | 7.373 | |
| 8,900.0 | 7,985.0 | 8,684.7 | 7,752.2 | 28.7 | 29.6 | 35.33 | 1,071.0 | 815.4 | 285.4 | 244.9 | 40.53 | 7.042 | |
| 9,000.0 | 7,985.0 | 8,784.7 | 7,752.0 | 30.1 | 30.9 | 35.31 | 1,171.0 | 815.7 | 285.6 | 243.1 | 42.43 | 6.729 | |
| 9,100.0 | 7,985.0 | 8,884.7 | 7,751.8 | 31.6 | 32.4 | 35.29 | 1,271.0 | 816.1 | 285.7 | 241.3 | 44.40 | 6.435 | |
| 9,200.0 | 7,985.0 | 8,984.7 | 7,751.6 | 33.1 | 33.8 | 35.26 | 1,371.0 | 816.4 | 285.9 | 239.4 | 46.41 | 6.159 | |
| 9,300.0 | 7,985.0 | 9,084.7 | 7,751.4 | 34.7 | 35.3 | 35.24 | 1,471.0 | 816.7 | 286.0 | 237.5 | 48.47 | 5.900 | |
| 9,400.0 | 7,985.0 | 9,184.7 | 7,751.2 | 36.2 | 36.9 | 35.22 | 1,571.0 | 817.1 | 286.2 | 235.6 | 50.57 | 5.659 | |
| 9,500.0 | 7,985.0 | 9,284.7 | 7,751.0 | 37.8 | 38.5 | 35.20 | 1,671.0 | 817.4 | 286.3 | 233.6 | 52.70 | 5.433 | |
| 9,600.0 | 7,985.0 | 9,384.7 | 7,750.9 | 39.5 | 40.1 | 35.18 | 1,771.0 | 817.8 | 286.5 | 231.6 | 54.86 | 5.221 | |
| 9,700.0 | 7,985.0 | 9,484.7 | 7,750.7 | 41.1 | 41.7 | 35.16 | 1,871.0 | 818.1 | 286.6 | 229.6 | 57.05 | 5.024 | |
| 9,800.0 | 7,985.0 | 9,584.7 | 7,750.5 | 42.8 | 43.4 | 35.13 | 1,971.0 | 818.4 | 286.8 | 227.5 | 59.26 | 4.839 | |
| 9,900.0 | 7,985.0 | 9,684.7 | 7,750.3 | 44.5 | 45.1 | 35.11 | 2,071.0 | 818.8 | 286.9 | 225.4 | 61.49 | 4.666 | |
| 10,000.0 | 7,985.0 | 9,784.7 | 7,750.1 | 46.3 | 46.8 | 35.09 | 2,171.0 | 819.1 | 287.1 | 223.3 | 63.74 | 4.504 | |
| 10,100.0 | 7,985.0 | 9,884.7 | 7,749.9 | 48.0 | 48.5 | 35.07 | 2,271.0 | 819.5 | 287.2 | 221.2 | 66.00 | 4.352 | |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWDD | | | | | | | | | | | | 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 |
| 10,200.0 | 7,985.0 | 9,984.7 | 7,749.7 | 49.7 | 50.2 | 35.05 | 2,371.0 | 819.8 | 287.4 | 219.1 | 68.28 | 4.209 | |
| 10,300.0 | 7,985.0 | 10,084.7 | 7,749.5 | 51.5 | 52.0 | 35.03 | 2,471.0 | 820.1 | 287.5 | 217.0 | 70.57 | 4.074 | |
| 10,400.0 | 7,985.0 | 10,184.7 | 7,749.4 | 53.3 | 53.7 | 35.01 | 2,571.0 | 820.5 | 287.7 | 214.8 | 72.87 | 3.948 | |
| 10,500.0 | 7,985.0 | 10,284.7 | 7,749.2 | 55.0 | 55.5 | 34.98 | 2,671.0 | 820.8 | 287.8 | 212.7 | 75.18 | 3.828 | |
| 10,600.0 | 7,985.0 | 10,384.7 | 7,749.0 | 56.8 | 57.3 | 34.96 | 2,771.0 | 821.1 | 288.0 | 210.5 | 77.50 | 3.716 | |
| 10,700.0 | 7,985.0 | 10,484.7 | 7,748.8 | 58.6 | 59.1 | 34.94 | 2,871.0 | 821.5 | 288.1 | 208.3 | 79.83 | 3.609 | |
| 10,800.0 | 7,985.0 | 10,584.7 | 7,748.6 | 60.4 | 60.9 | 34.92 | 2,971.0 | 821.8 | 288.3 | 206.1 | 82.17 | 3.509 | |
| 10,900.0 | 7,985.0 | 10,684.7 | 7,748.4 | 62.2 | 62.7 | 34.90 | 3,071.0 | 822.2 | 288.4 | 203.9 | 84.51 | 3.413 | |
| 11,000.0 | 7,985.0 | 10,784.7 | 7,748.2 | 64.0 | 64.5 | 34.88 | 3,171.0 | 822.5 | 288.6 | 201.7 | 86.86 | 3.323 | |
| 11,100.0 | 7,985.0 | 10,884.7 | 7,748.1 | 65.9 | 66.3 | 34.86 | 3,271.0 | 822.8 | 288.8 | 199.5 | 89.21 | 3.237 | |
| 11,200.0 | 7,985.0 | 10,984.7 | 7,747.9 | 67.7 | 68.1 | 34.84 | 3,370.9 | 823.2 | 288.9 | 197.3 | 91.57 | 3.155 | |
| 11,300.0 | 7,985.0 | 11,084.7 | 7,747.7 | 69.5 | 69.9 | 34.82 | 3,470.9 | 823.5 | 289.1 | 195.1 | 93.93 | 3.077 | |
| 11,400.0 | 7,985.0 | 11,184.7 | 7,747.5 | 71.4 | 71.7 | 34.79 | 3,570.9 | 823.8 | 289.2 | 192.9 | 96.29 | 3.003 | |
| 11,500.0 | 7,985.0 | 11,284.7 | 7,747.3 | 73.2 | 73.6 | 34.77 | 3,670.9 | 824.2 | 289.4 | 190.7 | 98.66 | 2.933 | |
| 11,600.0 | 7,985.0 | 11,384.7 | 7,747.1 | 75.0 | 75.4 | 34.75 | 3,770.9 | 824.5 | 289.5 | 188.5 | 101.03 | 2.865 | |
| 11,700.0 | 7,985.0 | 11,484.7 | 7,746.9 | 76.9 | 77.3 | 34.73 | 3,870.9 | 824.9 | 289.7 | 186.3 | 103.41 | 2.801 | |
| 11,800.0 | 7,985.0 | 11,584.7 | 7,746.8 | 78.7 | 79.1 | 34.71 | 3,970.9 | 825.2 | 289.8 | 184.0 | 105.79 | 2.740 | |
| 11,900.0 | 7,985.0 | 11,684.7 | 7,746.6 | 80.6 | 80.9 | 34.69 | 4,070.9 | 825.5 | 290.0 | 181.8 | 108.16 | 2.681 | |
| 12,000.0 | 7,985.0 | 11,784.7 | 7,746.4 | 82.4 | 82.8 | 34.67 | 4,170.9 | 825.9 | 290.1 | 179.6 | 110.54 | 2.625 | |
| 12,100.0 | 7,985.0 | 11,884.7 | 7,746.2 | 84.3 | 84.6 | 34.65 | 4,270.9 | 826.2 | 290.3 | 177.4 | 112.93 | 2.571 | |
| 12,200.0 | 7,985.0 | 11,984.7 | 7,746.0 | 86.2 | 86.5 | 34.63 | 4,370.9 | 826.5 | 290.4 | 175.1 | 115.31 | 2.519 | |
| 12,300.0 | 7,985.0 | 12,084.7 | 7,745.8 | 88.0 | 88.4 | 34.61 | 4,470.9 | 826.9 | 290.6 | 172.9 | 117.69 | 2.469 | |
| 12,400.0 | 7,985.0 | 12,184.7 | 7,745.6 | 89.9 | 90.2 | 34.58 | 4,570.9 | 827.2 | 290.7 | 170.7 | 120.08 | 2.421 | |
| 12,500.0 | 7,985.0 | 12,284.7 | 7,745.5 | 91.8 | 92.1 | 34.56 | 4,670.9 | 827.6 | 290.9 | 168.4 | 122.47 | 2.375 | |
| 12,600.0 | 7,985.0 | 12,384.7 | 7,745.3 | 93.6 | 93.9 | 34.54 | 4,770.9 | 827.9 | 291.0 | 166.2 | 124.85 | 2.331 | |
| 12,700.0 | 7,985.0 | 12,484.7 | 7,745.1 | 95.5 | 95.8 | 34.52 | 4,870.9 | 828.2 | 291.2 | 164.0 | 127.24 | 2.289 | |
| 12,800.0 | 7,985.0 | 12,584.7 | 7,744.9 | 97.4 | 97.7 | 34.50 | 4,970.9 | 828.6 | 291.4 | 161.7 | 129.63 | 2.248 | |
| 12,900.0 | 7,985.0 | 12,684.7 | 7,744.7 | 99.2 | 99.5 | 34.48 | 5,070.9 | 828.9 | 291.5 | 159.5 | 132.02 | 2.208 | |
| 13,000.0 | 7,985.0 | 12,784.7 | 7,744.5 | 101.1 | 101.4 | 34.46 | 5,170.9 | 829.2 | 291.7 | 157.3 | 134.41 | 2.170 | |
| 13,100.0 | 7,985.0 | 12,884.7 | 7,744.3 | 103.0 | 103.3 | 34.44 | 5,270.9 | 829.6 | 291.8 | 155.0 | 136.80 | 2.133 | |
| 13,200.0 | 7,985.0 | 12,984.7 | 7,744.1 | 104.9 | 105.2 | 34.42 | 5,370.9 | 829.9 | 292.0 | 152.8 | 139.19 | 2.098 | |
| 13,300.0 | 7,985.0 | 13,084.7 | 7,744.0 | 106.7 | 107.0 | 34.40 | 5,470.9 | 830.3 | 292.1 | 150.5 | 141.57 | 2.063 | |
| 13,400.0 | 7,985.0 | 13,184.7 | 7,743.8 | 108.6 | 108.9 | 34.38 | 5,570.9 | 830.6 | 292.3 | 148.3 | 143.96 | 2.030 | |
| 13,500.0 | 7,985.0 | 13,284.7 | 7,743.6 | 110.5 | 110.8 | 34.36 | 5,670.9 | 830.9 | 292.4 | 146.1 | 146.35 | 1.998 | |
| 13,600.0 | 7,985.0 | 13,384.7 | 7,743.4 | 112.4 | 112.7 | 34.34 | 5,770.9 | 831.3 | 292.6 | 143.8 | 148.74 | 1.967 | |
| 13,700.0 | 7,985.0 | 13,484.7 | 7,743.2 | 114.3 | 114.5 | 34.32 | 5,870.9 | 831.6 | 292.7 | 141.6 | 151.13 | 1.937 | |
| 13,800.0 | 7,985.0 | 13,584.7 | 7,743.0 | 116.2 | 116.4 | 34.29 | 5,970.9 | 831.9 | 292.9 | 139.4 | 153.52 | 1.908 | |
| 13,900.0 | 7,985.0 | 13,684.7 | 7,742.8 | 118.0 | 118.3 | 34.27 | 6,070.9 | 832.3 | 293.0 | 137.1 | 155.91 | 1.880 | |
| 14,000.0 | 7,985.0 | 13,784.7 | 7,742.7 | 119.9 | 120.2 | 34.25 | 6,170.9 | 832.6 | 293.2 | 134.9 | 158.29 | 1.852 | |
| 14,100.0 | 7,985.0 | 13,884.7 | 7,742.5 | 121.8 | 122.1 | 34.23 | 6,270.9 | 833.0 | 293.4 | 132.7 | 160.68 | 1.826 | |
| 14,200.0 | 7,985.0 | 13,984.7 | 7,742.3 | 123.7 | 124.0 | 34.21 | 6,370.9 | 833.3 | 293.5 | 130.4 | 163.06 | 1.800 | |
| 14,300.0 | 7,985.0 | 14,084.7 | 7,742.1 | 125.6 | 125.9 | 34.19 | 6,470.9 | 833.6 | 293.7 | 128.2 | 165.45 | 1.775 | |
| 14,400.0 | 7,985.0 | 14,184.7 | 7,741.9 | 127.5 | 127.7 | 34.17 | 6,570.9 | 834.0 | 293.8 | 126.0 | 167.83 | 1.751 | |
| 14,500.0 | 7,985.0 | 14,284.7 | 7,741.7 | 129.4 | 129.6 | 34.15 | 6,670.9 | 834.3 | 294.0 | 123.7 | 170.22 | 1.727 | |
| 14,600.0 | 7,985.0 | 14,384.7 | 7,741.5 | 131.3 | 131.5 | 34.13 | 6,770.9 | 834.7 | 294.1 | 121.5 | 172.60 | 1.704 | |
| 14,700.0 | 7,985.0 | 14,484.7 | 7,741.4 | 133.2 | 133.4 | 34.11 | 6,870.9 | 835.0 | 294.3 | 119.3 | 174.98 | 1.682 | |
| 14,800.0 | 7,985.0 | 14,584.7 | 7,741.2 | 135.0 | 135.3 | 34.09 | 6,970.9 | 835.3 | 294.4 | 117.1 | 177.37 | 1.660 | |
| 14,900.0 | 7,985.0 | 14,684.7 | 7,741.0 | 136.9 | 137.2 | 34.07 | 7,070.9 | 835.7 | 294.6 | 114.8 | 179.75 | 1.639 | |
| 15,000.0 | 7,985.0 | 14,784.7 | 7,740.8 | 138.8 | 139.1 | 34.05 | 7,170.9 | 836.0 | 294.7 | 112.6 | 182.13 | 1.618 | |
| 15,100.0 | 7,985.0 | 14,884.7 | 7,740.6 | 140.7 | 141.0 | 34.03 | 7,270.9 | 836.3 | 294.9 | 110.4 | 184.50 | 1.598 | |
| 15,200.0 | 7,985.0 | 14,984.7 | 7,740.4 | 142.6 | 142.9 | 34.01 | 7,370.9 | 836.7 | 295.0 | 108.2 | 186.88 | 1.579 | |
| 15,300.0 | 7,985.0 | 15,084.7 | 7,740.2 | 144.5 | 144.8 | 33.99 | 7,470.9 | 837.0 | 295.2 | 105.9 | 189.26 | 1.560 | |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey N-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | 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 |
| 15,400.0 | 7,985.0 | 15,184.7 | 7,740.0 | 146.4 | 146.6 | 33.97 | 7,570.9 | 837.4 | 295.4 | 103.7 | 191.64 | 1.541 | |
| 15,500.0 | 7,985.0 | 15,284.7 | 7,739.9 | 148.3 | 148.5 | 33.95 | 7,670.9 | 837.7 | 295.5 | 101.5 | 194.01 | 1.523 | |
| 15,600.0 | 7,985.0 | 15,384.7 | 7,739.7 | 150.2 | 150.4 | 33.93 | 7,770.9 | 838.0 | 295.7 | 99.3 | 196.39 | 1.506 | |
| 15,700.0 | 7,985.0 | 15,484.7 | 7,739.5 | 152.1 | 152.3 | 33.91 | 7,870.9 | 838.4 | 295.8 | 97.1 | 198.76 | 1.488 Level 3 | |
| 15,800.0 | 7,985.0 | 15,584.7 | 7,739.3 | 154.0 | 154.2 | 33.89 | 7,970.9 | 838.7 | 296.0 | 94.8 | 201.13 | 1.472 Level 3 | |
| 15,900.0 | 7,985.0 | 15,684.7 | 7,739.1 | 155.9 | 156.1 | 33.87 | 8,070.9 | 839.0 | 296.1 | 92.6 | 203.50 | 1.455 Level 3 | |
| 16,000.0 | 7,985.0 | 15,784.7 | 7,738.9 | 157.8 | 158.0 | 33.85 | 8,170.9 | 839.4 | 296.3 | 90.4 | 205.87 | 1.439 Level 3 | |
| 16,100.0 | 7,985.0 | 15,884.7 | 7,738.7 | 159.7 | 159.9 | 33.83 | 8,270.9 | 839.7 | 296.4 | 88.2 | 208.24 | 1.424 Level 3 | |
| 16,200.0 | 7,985.0 | 15,984.7 | 7,738.6 | 161.6 | 161.8 | 33.81 | 8,370.9 | 840.1 | 296.6 | 86.0 | 210.61 | 1.408 Level 3 | |
| 16,300.0 | 7,985.0 | 16,084.7 | 7,738.4 | 163.5 | 163.7 | 33.79 | 8,470.9 | 840.4 | 296.7 | 83.8 | 212.97 | 1.393 Level 3 | |
| 16,400.0 | 7,985.0 | 16,184.7 | 7,738.2 | 165.4 | 165.6 | 33.77 | 8,570.9 | 840.7 | 296.9 | 81.6 | 215.34 | 1.379 Level 3 | |
| 16,499.4 | 7,985.0 | 16,284.0 | 7,738.0 | 167.3 | 167.5 | 33.75 | 8,670.3 | 841.1 | 297.1 | 79.4 | 217.69 | 1.365 Level 3, SF | |

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|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | | 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 (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 | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 90.70 | -0.4 | 30.0 | 30.0 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 90.70 | -0.4 | 30.0 | 30.0 | 29.8 | 0.22 | 133.430 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 90.70 | -0.4 | 30.0 | 30.0 | 29.3 | 0.67 | 44.477 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.6 | 0.6 | 90.70 | -0.4 | 30.0 | 30.0 | 28.9 | 1.12 | 26.686 | | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.8 | 0.8 | 90.70 | -0.4 | 30.0 | 30.0 | 28.4 | 1.57 | 19.061 CC, ES | | |
| 500.0 | 500.0 | 498.9 | 498.9 | 1.0 | 1.0 | 90.96 | -0.5 | 31.7 | 31.7 | 29.7 | 2.01 | 15.796 | | |
| 600.0 | 600.0 | 597.6 | 597.5 | 1.2 | 1.2 | 91.60 | -1.0 | 36.8 | 36.9 | 34.4 | 2.44 | 15.102 | | |
| 700.0 | 700.0 | 695.8 | 695.3 | 1.5 | 1.4 | 92.34 | -1.8 | 45.2 | 45.5 | 42.6 | 2.90 | 15.696 | | |
| 800.0 | 800.0 | 793.4 | 792.1 | 1.7 | 1.7 | 93.00 | -3.0 | 56.8 | 57.4 | 54.1 | 3.38 | 17.000 | | |
| 900.0 | 900.0 | 890.0 | 887.6 | 1.9 | 2.0 | 93.53 | -4.4 | 71.6 | 72.8 | 68.9 | 3.90 | 18.672 | | |
| 1,000.0 | 1,000.0 | 987.6 | 983.6 | 2.1 | 2.3 | 93.93 | -6.1 | 89.0 | 90.7 | 86.2 | 4.46 | 20.345 | | |
| 1,100.0 | 1,100.0 | 1,086.2 | 1,080.6 | 2.3 | 2.7 | -5.34 | -7.8 | 106.7 | 107.1 | 102.4 | 4.68 | 22.899 | | |
| 1,200.0 | 1,199.8 | 1,185.4 | 1,178.2 | 2.5 | 3.1 | -5.33 | -9.6 | 124.6 | 120.0 | 114.9 | 5.10 | 23.526 | | |
| 1,300.0 | 1,299.5 | 1,284.9 | 1,276.1 | 2.8 | 3.5 | -5.48 | -11.3 | 142.5 | 129.5 | 123.9 | 5.53 | 23.390 | | |
| 1,400.0 | 1,398.7 | 1,384.7 | 1,374.2 | 3.0 | 3.9 | -5.75 | -13.1 | 160.5 | 135.5 | 129.6 | 5.98 | 22.667 | | |
| 1,500.0 | 1,497.8 | 1,484.6 | 1,472.4 | 3.3 | 4.2 | -6.05 | -14.8 | 178.4 | 140.5 | 134.1 | 6.44 | 21.813 | | |
| 1,600.0 | 1,597.0 | 1,584.5 | 1,570.7 | 3.5 | 4.6 | -6.33 | -16.6 | 196.4 | 145.5 | 138.6 | 6.91 | 21.052 | | |
| 1,700.0 | 1,696.1 | 1,684.3 | 1,668.9 | 3.8 | 5.0 | -6.59 | -18.3 | 214.4 | 150.5 | 143.1 | 7.39 | 20.374 | | |
| 1,800.0 | 1,795.2 | 1,784.2 | 1,767.1 | 4.1 | 5.5 | -6.84 | -20.1 | 232.3 | 155.5 | 147.7 | 7.87 | 19.769 | | |
| 1,900.0 | 1,894.3 | 1,884.1 | 1,865.4 | 4.4 | 5.9 | -7.07 | -21.8 | 250.3 | 160.5 | 152.2 | 8.35 | 19.224 | | |
| 2,000.0 | 1,993.5 | 1,984.0 | 1,963.6 | 4.7 | 6.3 | -7.28 | -23.6 | 268.3 | 165.6 | 156.7 | 8.84 | 18.734 | | |
| 2,100.0 | 2,092.6 | 2,083.8 | 2,061.8 | 5.0 | 6.7 | -7.49 | -25.3 | 286.3 | 170.6 | 161.2 | 9.33 | 18.289 | | |
| 2,200.0 | 2,191.7 | 2,183.7 | 2,160.0 | 5.3 | 7.1 | -7.68 | -27.1 | 304.2 | 175.6 | 165.8 | 9.82 | 17.884 | | |
| 2,300.0 | 2,290.8 | 2,283.6 | 2,258.3 | 5.6 | 7.5 | -7.86 | -28.8 | 322.2 | 180.6 | 170.3 | 10.31 | 17.515 | | |
| 2,400.0 | 2,390.0 | 2,383.5 | 2,356.5 | 6.0 | 7.9 | -8.03 | -30.6 | 340.2 | 185.6 | 174.8 | 10.81 | 17.177 | | |
| 2,500.0 | 2,489.1 | 2,483.3 | 2,454.7 | 6.3 | 8.3 | -8.19 | -32.3 | 358.1 | 190.6 | 179.3 | 11.30 | 16.866 | | |
| 2,600.0 | 2,588.2 | 2,583.2 | 2,552.9 | 6.6 | 8.7 | -8.35 | -34.1 | 376.1 | 195.7 | 183.9 | 11.80 | 16.579 | | |
| 2,700.0 | 2,687.3 | 2,683.1 | 2,651.2 | 6.9 | 9.1 | -8.50 | -35.8 | 394.1 | 200.7 | 188.4 | 12.30 | 16.314 | | |
| 2,800.0 | 2,786.5 | 2,782.9 | 2,749.4 | 7.2 | 9.5 | -8.64 | -37.6 | 412.1 | 205.7 | 192.9 | 12.80 | 16.068 | | |
| 2,900.0 | 2,885.6 | 2,882.8 | 2,847.6 | 7.6 | 9.9 | -8.77 | -39.3 | 430.0 | 210.7 | 197.4 | 13.30 | 15.840 | | |
| 3,000.0 | 2,984.7 | 2,982.7 | 2,945.8 | 7.9 | 10.3 | -8.89 | -41.1 | 448.0 | 215.7 | 201.9 | 13.81 | 15.627 | | |
| 3,100.0 | 3,083.8 | 3,082.6 | 3,044.1 | 8.2 | 10.8 | -9.02 | -42.8 | 466.0 | 220.8 | 206.5 | 14.31 | 15.428 | | |
| 3,200.0 | 3,183.0 | 3,182.4 | 3,142.3 | 8.5 | 11.2 | -9.13 | -44.6 | 484.0 | 225.8 | 211.0 | 14.81 | 15.242 | | |
| 3,300.0 | 3,282.1 | 3,282.3 | 3,240.5 | 8.9 | 11.6 | -9.24 | -46.3 | 501.9 | 230.8 | 215.5 | 15.32 | 15.068 | | |
| 3,400.0 | 3,381.2 | 3,382.2 | 3,338.8 | 9.2 | 12.0 | -9.35 | -48.1 | 519.9 | 235.9 | 220.0 | 15.83 | 14.904 | | |
| 3,500.0 | 3,480.3 | 3,482.1 | 3,437.0 | 9.5 | 12.4 | -9.45 | -49.8 | 537.9 | 240.9 | 224.6 | 16.33 | 14.750 | | |
| 3,600.0 | 3,579.5 | 3,581.9 | 3,535.2 | 9.9 | 12.8 | -9.54 | -51.6 | 555.8 | 245.9 | 229.1 | 16.84 | 14.604 | | |
| 3,700.0 | 3,678.6 | 3,681.8 | 3,633.4 | 10.2 | 13.2 | -9.64 | -53.3 | 573.8 | 251.0 | 233.6 | 17.35 | 14.467 | | |
| 3,800.0 | 3,777.7 | 3,781.7 | 3,731.7 | 10.5 | 13.6 | -9.73 | -55.1 | 591.8 | 256.0 | 238.1 | 17.85 | 14.337 | | |
| 3,900.0 | 3,876.8 | 3,881.5 | 3,829.9 | 10.8 | 14.0 | -9.81 | -56.8 | 609.8 | 261.0 | 242.7 | 18.36 | 14.214 | | |
| 4,000.0 | 3,975.9 | 3,981.4 | 3,928.1 | 11.2 | 14.5 | -9.90 | -58.6 | 627.7 | 266.0 | 247.2 | 18.87 | 14.098 | | |
| 4,100.0 | 4,075.1 | 4,081.3 | 4,026.3 | 11.5 | 14.9 | -9.98 | -60.3 | 645.7 | 271.1 | 251.7 | 19.38 | 13.987 | | |
| 4,200.0 | 4,174.2 | 4,181.2 | 4,124.6 | 11.8 | 15.3 | -10.05 | -62.1 | 663.7 | 276.1 | 256.2 | 19.89 | 13.881 | | |
| 4,300.0 | 4,273.3 | 4,281.0 | 4,222.8 | 12.2 | 15.7 | -10.13 | -63.8 | 681.6 | 281.2 | 260.8 | 20.40 | 13.781 | | |
| 4,400.0 | 4,372.4 | 4,380.9 | 4,321.0 | 12.5 | 16.1 | -10.20 | -65.6 | 699.6 | 286.2 | 265.3 | 20.91 | 13.685 | | |
| 4,500.0 | 4,471.6 | 4,480.8 | 4,419.2 | 12.8 | 16.5 | -10.27 | -67.3 | 717.6 | 291.2 | 269.8 | 21.42 | 13.594 | | |
| 4,600.0 | 4,570.7 | 4,580.7 | 4,517.5 | 13.2 | 16.9 | -10.33 | -69.1 | 735.6 | 296.3 | 274.3 | 21.93 | 13.507 | | |
| 4,700.0 | 4,669.8 | 4,680.5 | 4,615.7 | 13.5 | 17.3 | -10.40 | -70.8 | 753.5 | 301.3 | 278.9 | 22.45 | 13.423 | | |
| 4,800.0 | 4,768.9 | 4,780.4 | 4,713.9 | 13.8 | 17.8 | -10.46 | -72.6 | 771.5 | 306.3 | 283.4 | 22.96 | 13.344 | | |
| 4,900.0 | 4,868.1 | 4,880.3 | 4,812.2 | 14.2 | 18.2 | -10.52 | -74.3 | 789.5 | 311.4 | 287.9 | 23.47 | 13.267 | | |
| 5,000.0 | 4,967.2 | 4,980.1 | 4,910.4 | 14.5 | 18.6 | -10.58 | -76.1 | 807.4 | 316.4 | 292.4 | 23.98 | 13.194 | | |
| 5,100.0 | 5,066.3 | 5,080.0 | 5,008.6 | 14.8 | 19.0 | -10.64 | -77.8 | 825.4 | 321.4 | 297.0 | 24.49 | 13.123 | | |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | | 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 | | |
| 5,200.0 | 5,165.4 | 5,179.9 | 5,106.8 | 15.2 | 19.4 | -10.69 | -79.6 | 843.4 | 326.5 | 301.5 | 25.01 | 13.056 | | |
| 5,300.0 | 5,264.6 | 5,279.8 | 5,205.1 | 15.5 | 19.8 | -10.74 | -81.3 | 861.4 | 331.5 | 306.0 | 25.52 | 12.991 | | |
| 5,400.0 | 5,363.7 | 5,379.6 | 5,303.3 | 15.8 | 20.2 | -10.80 | -83.1 | 879.3 | 336.6 | 310.5 | 26.03 | 12.928 | | |
| 5,500.0 | 5,462.8 | 5,479.5 | 5,401.5 | 16.2 | 20.6 | -10.85 | -84.8 | 897.3 | 341.6 | 315.1 | 26.55 | 12.868 | | |
| 5,600.0 | 5,561.9 | 5,579.4 | 5,499.7 | 16.5 | 21.1 | -10.89 | -86.6 | 915.3 | 346.6 | 319.6 | 27.06 | 12.810 | | |
| 5,700.0 | 5,661.1 | 5,679.2 | 5,598.0 | 16.8 | 21.5 | -10.94 | -88.3 | 933.2 | 351.7 | 324.1 | 27.57 | 12.754 | | |
| 5,800.0 | 5,760.2 | 5,779.1 | 5,696.2 | 17.2 | 21.9 | -10.99 | -90.1 | 951.2 | 356.7 | 328.6 | 28.09 | 12.701 | | |
| 5,900.0 | 5,859.3 | 5,879.0 | 5,794.4 | 17.5 | 22.3 | -11.03 | -91.8 | 969.2 | 361.8 | 333.2 | 28.60 | 12.649 | | |
| 6,000.0 | 5,958.5 | 5,978.9 | 5,892.6 | 17.8 | 22.7 | -11.08 | -93.6 | 987.2 | 367.0 | 337.9 | 29.10 | 12.613 | | |
| 6,100.0 | 6,057.9 | 6,078.5 | 5,990.7 | 18.1 | 23.1 | -11.06 | -95.3 | 1,005.1 | 375.0 | 345.5 | 29.52 | 12.706 | | |
| 6,200.0 | 6,157.7 | 6,177.9 | 6,088.4 | 18.3 | 23.5 | -10.96 | -97.1 | 1,023.0 | 386.5 | 356.6 | 29.89 | 12.929 | | |
| 6,300.0 | 6,257.7 | 6,276.7 | 6,185.6 | 18.4 | 23.9 | -10.78 | -98.8 | 1,040.8 | 401.3 | 371.1 | 30.22 | 13.280 | | |
| 6,400.0 | 6,357.7 | 6,375.1 | 6,282.4 | 18.6 | 24.3 | 88.96 | -100.5 | 1,058.5 | 419.0 | 388.3 | 30.61 | 13.689 | | |
| 6,500.0 | 6,457.7 | 6,473.5 | 6,379.1 | 18.7 | 24.7 | 89.23 | -102.3 | 1,076.2 | 436.9 | 405.9 | 31.03 | 14.083 | | |
| 6,600.0 | 6,557.7 | 6,571.8 | 6,475.9 | 18.9 | 25.2 | 89.48 | -104.0 | 1,093.9 | 454.9 | 423.5 | 31.45 | 14.465 | | |
| 6,700.0 | 6,657.7 | 6,688.2 | 6,590.7 | 19.0 | 25.5 | 89.73 | -105.8 | 1,112.7 | 471.1 | 439.3 | 31.86 | 14.786 | | |
| 6,800.0 | 6,757.7 | 6,807.2 | 6,708.8 | 19.2 | 25.8 | 89.91 | -107.2 | 1,127.2 | 483.3 | 451.0 | 32.27 | 14.979 | | |
| 6,900.0 | 6,857.7 | 6,927.2 | 6,828.4 | 19.4 | 26.0 | 90.02 | -108.2 | 1,136.9 | 491.3 | 458.7 | 32.66 | 15.044 | | |
| 7,000.0 | 6,957.7 | 7,047.8 | 6,948.9 | 19.5 | 26.2 | 90.07 | -108.6 | 1,141.5 | 495.2 | 462.2 | 33.05 | 14.982 | | |
| 7,100.0 | 7,057.7 | 7,156.6 | 7,057.7 | 19.7 | 26.3 | 90.08 | -108.7 | 1,142.0 | 495.6 | 462.2 | 33.43 | 14.823 | | |
| 7,158.0 | 7,115.7 | 7,214.6 | 7,115.7 | 19.8 | 26.4 | 90.08 | -108.7 | 1,142.0 | 495.6 | 461.9 | 33.65 | 14.729 | | |
| 7,200.0 | 7,157.7 | 7,256.6 | 7,157.6 | 19.8 | 26.5 | 90.02 | -108.1 | 1,142.0 | 495.6 | 461.8 | 33.81 | 14.660 | | |
| 7,300.0 | 7,257.7 | 7,355.2 | 7,255.6 | 20.0 | 26.6 | 88.80 | -97.6 | 1,142.0 | 495.7 | 461.5 | 34.25 | 14.473 | | |
| 7,400.0 | 7,357.4 | 7,450.0 | 7,347.6 | 20.2 | 26.7 | 86.50 | -74.9 | 1,142.1 | 496.5 | 461.8 | 34.75 | 14.290 | | |
| 7,500.0 | 7,455.5 | 7,543.8 | 7,434.8 | 20.3 | 26.7 | 84.44 | -40.6 | 1,142.2 | 497.9 | 462.7 | 35.22 | 14.139 | | |
| 7,600.0 | 7,549.9 | 7,635.1 | 7,514.7 | 20.4 | 26.8 | 82.52 | 3.4 | 1,142.3 | 499.8 | 464.2 | 35.63 | 14.031 | | |
| 7,700.0 | 7,638.8 | 7,724.6 | 7,587.0 | 20.5 | 26.9 | 80.75 | 56.2 | 1,142.4 | 502.1 | 466.1 | 35.96 | 13.961 | | |
| 7,800.0 | 7,720.6 | 7,812.7 | 7,651.1 | 20.7 | 27.0 | 79.16 | 116.5 | 1,142.5 | 504.5 | 468.2 | 36.33 | 13.887 | | |
| 7,900.0 | 7,793.5 | 7,900.0 | 7,706.8 | 20.8 | 27.1 | 77.76 | 183.6 | 1,142.7 | 507.0 | 470.2 | 36.74 | 13.799 | | |
| 8,000.0 | 7,856.3 | 7,985.4 | 7,753.1 | 21.0 | 27.2 | 76.58 | 255.3 | 1,142.9 | 509.3 | 471.9 | 37.32 | 13.644 | | |
| 8,100.0 | 7,907.6 | 8,070.4 | 7,790.3 | 21.2 | 27.4 | 75.63 | 331.7 | 1,143.1 | 511.3 | 473.1 | 38.18 | 13.392 | | |
| 8,200.0 | 7,946.4 | 8,154.8 | 7,818.0 | 21.6 | 27.7 | 74.92 | 411.4 | 1,143.3 | 512.8 | 473.4 | 39.38 | 13.023 | | |
| 8,300.0 | 7,972.1 | 8,238.7 | 7,836.1 | 22.2 | 28.0 | 74.45 | 493.3 | 1,143.5 | 513.9 | 472.9 | 40.99 | 12.537 | | |
| 8,400.0 | 7,984.1 | 8,322.4 | 7,844.4 | 23.0 | 28.5 | 74.22 | 576.5 | 1,143.7 | 514.3 | 471.3 | 42.99 | 11.963 | | |
| 8,500.0 | 7,985.0 | 8,415.9 | 7,844.9 | 23.9 | 29.1 | 74.19 | 670.0 | 1,143.9 | 514.4 | 469.3 | 45.05 | 11.418 | | |
| 8,600.0 | 7,985.0 | 8,515.9 | 7,844.7 | 25.0 | 29.8 | 74.17 | 770.0 | 1,144.3 | 514.4 | 467.1 | 47.33 | 10.869 | | |
| 8,700.0 | 7,985.0 | 8,615.9 | 7,844.5 | 26.1 | 30.7 | 74.15 | 870.0 | 1,144.6 | 514.5 | 464.7 | 49.78 | 10.335 | | |
| 8,800.0 | 7,985.0 | 8,715.9 | 7,844.3 | 27.4 | 31.7 | 74.13 | 970.0 | 1,145.0 | 514.6 | 462.2 | 52.38 | 9.823 | | |
| 8,900.0 | 7,985.0 | 8,815.9 | 7,844.1 | 28.7 | 32.8 | 74.11 | 1,070.0 | 1,145.3 | 514.6 | 459.5 | 55.11 | 9.338 | | |
| 9,000.0 | 7,985.0 | 8,915.9 | 7,843.9 | 30.1 | 33.9 | 74.09 | 1,170.0 | 1,145.6 | 514.7 | 456.7 | 57.94 | 8.883 | | |
| 9,100.0 | 7,985.0 | 9,015.9 | 7,843.7 | 31.6 | 35.2 | 74.07 | 1,270.0 | 1,146.0 | 514.7 | 453.9 | 60.86 | 8.457 | | |
| 9,200.0 | 7,985.0 | 9,115.9 | 7,843.5 | 33.1 | 36.5 | 74.04 | 1,370.0 | 1,146.3 | 514.8 | 450.9 | 63.87 | 8.060 | | |
| 9,300.0 | 7,985.0 | 9,215.9 | 7,843.3 | 34.7 | 37.9 | 74.02 | 1,470.0 | 1,146.7 | 514.8 | 447.9 | 66.94 | 7.691 | | |
| 9,400.0 | 7,985.0 | 9,315.9 | 7,843.1 | 36.2 | 39.3 | 74.00 | 1,570.0 | 1,147.0 | 514.9 | 444.8 | 70.08 | 7.347 | | |
| 9,500.0 | 7,985.0 | 9,415.9 | 7,842.9 | 37.8 | 40.8 | 73.98 | 1,670.0 | 1,147.3 | 514.9 | 441.7 | 73.26 | 7.029 | | |
| 9,600.0 | 7,985.0 | 9,515.9 | 7,842.7 | 39.5 | 42.3 | 73.96 | 1,770.0 | 1,147.7 | 515.0 | 438.5 | 76.50 | 6.732 | | |
| 9,700.0 | 7,985.0 | 9,615.9 | 7,842.5 | 41.1 | 43.9 | 73.94 | 1,870.0 | 1,148.0 | 515.1 | 435.3 | 79.77 | 6.457 | | |
| 9,800.0 | 7,985.0 | 9,715.9 | 7,842.3 | 42.8 | 45.5 | 73.92 | 1,970.0 | 1,148.4 | 515.1 | 432.0 | 83.07 | 6.201 | | |
| 9,900.0 | 7,985.0 | 9,815.9 | 7,842.1 | 44.5 | 47.1 | 73.90 | 2,070.0 | 1,148.7 | 515.2 | 428.8 | 86.41 | 5.962 | | |
| 10,000.0 | 7,985.0 | 9,915.9 | 7,841.9 | 46.3 | 48.7 | 73.87 | 2,170.0 | 1,149.0 | 515.2 | 425.5 | 89.78 | 5.739 | | |
| 10,100.0 | 7,985.0 | 10,015.9 | 7,841.7 | 48.0 | 50.3 | 73.85 | 2,270.0 | 1,149.4 | 515.3 | 422.1 | 93.17 | 5.531 | | |
| 10,200.0 | 7,985.0 | 10,115.9 | 7,841.5 | 49.7 | 52.0 | 73.83 | 2,370.0 | 1,149.7 | 515.3 | 418.8 | 96.58 | 5.336 | | |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|--------------------|---------|
| Survey Program: 0-MWDD | | | | | | | | | | | | 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 |
| 10,300.0 | 7,985.0 | 10,215.9 | 7,841.3 | 51.5 | 53.7 | 73.81 | 2,470.0 | 1,150.1 | 515.4 | 415.4 | 100.01 | 5.154 | |
| 10,400.0 | 7,985.0 | 10,315.9 | 7,841.1 | 53.3 | 55.4 | 73.79 | 2,570.0 | 1,150.4 | 515.5 | 412.0 | 103.46 | 4.982 | |
| 10,500.0 | 7,985.0 | 10,415.9 | 7,840.9 | 55.0 | 57.1 | 73.77 | 2,670.0 | 1,150.7 | 515.5 | 408.6 | 106.92 | 4.821 | |
| 10,600.0 | 7,985.0 | 10,515.9 | 7,840.7 | 56.8 | 58.8 | 73.75 | 2,770.0 | 1,151.1 | 515.6 | 405.2 | 110.40 | 4.670 | |
| 10,700.0 | 7,985.0 | 10,615.9 | 7,840.5 | 58.6 | 60.6 | 73.73 | 2,870.0 | 1,151.4 | 515.6 | 401.7 | 113.89 | 4.527 | |
| 10,800.0 | 7,985.0 | 10,715.9 | 7,840.3 | 60.4 | 62.3 | 73.71 | 2,970.0 | 1,151.8 | 515.7 | 398.3 | 117.39 | 4.393 | |
| 10,900.0 | 7,985.0 | 10,815.9 | 7,840.1 | 62.2 | 64.1 | 73.68 | 3,070.0 | 1,152.1 | 515.7 | 394.8 | 120.90 | 4.266 | |
| 11,000.0 | 7,985.0 | 10,915.9 | 7,839.9 | 64.0 | 65.9 | 73.66 | 3,170.0 | 1,152.4 | 515.8 | 391.4 | 124.43 | 4.145 | |
| 11,100.0 | 7,985.0 | 11,015.9 | 7,839.7 | 65.9 | 67.6 | 73.64 | 3,270.0 | 1,152.8 | 515.9 | 387.9 | 127.96 | 4.032 | |
| 11,200.0 | 7,985.0 | 11,115.9 | 7,839.5 | 67.7 | 69.4 | 73.62 | 3,370.0 | 1,153.1 | 515.9 | 384.4 | 131.50 | 3.923 | |
| 11,300.0 | 7,985.0 | 11,215.9 | 7,839.3 | 69.5 | 71.2 | 73.60 | 3,470.0 | 1,153.4 | 516.0 | 380.9 | 135.04 | 3.821 | |
| 11,400.0 | 7,985.0 | 11,315.9 | 7,839.1 | 71.4 | 73.0 | 73.58 | 3,570.0 | 1,153.8 | 516.0 | 377.4 | 138.59 | 3.723 | |
| 11,500.0 | 7,985.0 | 11,415.9 | 7,838.9 | 73.2 | 74.8 | 73.56 | 3,670.0 | 1,154.1 | 516.1 | 373.9 | 142.15 | 3.631 | |
| 11,600.0 | 7,985.0 | 11,515.9 | 7,838.7 | 75.0 | 76.6 | 73.54 | 3,770.0 | 1,154.5 | 516.1 | 370.4 | 145.72 | 3.542 | |
| 11,700.0 | 7,985.0 | 11,615.9 | 7,838.5 | 76.9 | 78.4 | 73.52 | 3,870.0 | 1,154.8 | 516.2 | 366.9 | 149.29 | 3.458 | |
| 11,800.0 | 7,985.0 | 11,715.9 | 7,838.3 | 78.7 | 80.2 | 73.49 | 3,970.0 | 1,155.1 | 516.3 | 363.4 | 152.86 | 3.377 | |
| 11,900.0 | 7,985.0 | 11,815.9 | 7,838.1 | 80.6 | 82.1 | 73.47 | 4,070.0 | 1,155.5 | 516.3 | 359.9 | 156.44 | 3.300 | |
| 12,000.0 | 7,985.0 | 11,915.9 | 7,837.9 | 82.4 | 83.9 | 73.45 | 4,170.0 | 1,155.8 | 516.4 | 356.4 | 160.02 | 3.227 | |
| 12,100.0 | 7,985.0 | 12,015.9 | 7,837.7 | 84.3 | 85.7 | 73.43 | 4,270.0 | 1,156.2 | 516.4 | 352.8 | 163.61 | 3.157 | |
| 12,200.0 | 7,985.0 | 12,115.9 | 7,837.5 | 86.2 | 87.5 | 73.41 | 4,370.0 | 1,156.5 | 516.5 | 349.3 | 167.20 | 3.089 | |
| 12,300.0 | 7,985.0 | 12,215.9 | 7,837.3 | 88.0 | 89.4 | 73.39 | 4,470.0 | 1,156.8 | 516.6 | 345.8 | 170.79 | 3.024 | |
| 12,400.0 | 7,985.0 | 12,315.9 | 7,837.1 | 89.9 | 91.2 | 73.37 | 4,570.0 | 1,157.2 | 516.6 | 342.2 | 174.39 | 2.962 | |
| 12,500.0 | 7,985.0 | 12,415.9 | 7,836.9 | 91.8 | 93.1 | 73.35 | 4,670.0 | 1,157.5 | 516.7 | 338.7 | 177.99 | 2.903 | |
| 12,600.0 | 7,985.0 | 12,515.9 | 7,836.7 | 93.6 | 94.9 | 73.33 | 4,770.0 | 1,157.9 | 516.7 | 335.1 | 181.59 | 2.846 | |
| 12,700.0 | 7,985.0 | 12,615.9 | 7,836.5 | 95.5 | 96.8 | 73.31 | 4,870.0 | 1,158.2 | 516.8 | 331.6 | 185.19 | 2.791 | |
| 12,800.0 | 7,985.0 | 12,715.9 | 7,836.3 | 97.4 | 98.6 | 73.28 | 4,970.0 | 1,158.5 | 516.8 | 328.0 | 188.79 | 2.738 | |
| 12,900.0 | 7,985.0 | 12,815.9 | 7,836.1 | 99.2 | 100.5 | 73.26 | 5,070.0 | 1,158.9 | 516.9 | 324.5 | 192.40 | 2.687 | |
| 13,000.0 | 7,985.0 | 12,915.9 | 7,835.9 | 101.1 | 102.3 | 73.24 | 5,170.0 | 1,159.2 | 517.0 | 320.9 | 196.01 | 2.637 | |
| 13,100.0 | 7,985.0 | 13,015.9 | 7,835.7 | 103.0 | 104.2 | 73.22 | 5,270.0 | 1,159.6 | 517.0 | 317.4 | 199.62 | 2.590 | |
| 13,200.0 | 7,985.0 | 13,115.9 | 7,835.5 | 104.9 | 106.0 | 73.20 | 5,370.0 | 1,159.9 | 517.1 | 313.8 | 203.23 | 2.544 | |
| 13,300.0 | 7,985.0 | 13,215.9 | 7,835.4 | 106.7 | 107.9 | 73.18 | 5,470.0 | 1,160.2 | 517.1 | 310.3 | 206.85 | 2.500 | |
| 13,400.0 | 7,985.0 | 13,315.9 | 7,835.2 | 108.6 | 109.8 | 73.16 | 5,570.0 | 1,160.6 | 517.2 | 306.7 | 210.46 | 2.457 | |
| 13,500.0 | 7,985.0 | 13,415.9 | 7,835.0 | 110.5 | 111.6 | 73.14 | 5,670.0 | 1,160.9 | 517.3 | 303.2 | 214.08 | 2.416 | |
| 13,600.0 | 7,985.0 | 13,515.9 | 7,834.8 | 112.4 | 113.5 | 73.12 | 5,770.0 | 1,161.3 | 517.3 | 299.6 | 217.70 | 2.376 | |
| 13,700.0 | 7,985.0 | 13,615.9 | 7,834.6 | 114.3 | 115.4 | 73.10 | 5,870.0 | 1,161.6 | 517.4 | 296.1 | 221.32 | 2.338 | |
| 13,800.0 | 7,985.0 | 13,715.9 | 7,834.4 | 116.2 | 117.2 | 73.07 | 5,970.0 | 1,161.9 | 517.4 | 292.5 | 224.94 | 2.300 | |
| 13,900.0 | 7,985.0 | 13,815.9 | 7,834.2 | 118.0 | 119.1 | 73.05 | 6,070.0 | 1,162.3 | 517.5 | 288.9 | 228.56 | 2.264 | |
| 14,000.0 | 7,985.0 | 13,915.9 | 7,834.0 | 119.9 | 121.0 | 73.03 | 6,170.0 | 1,162.6 | 517.6 | 285.4 | 232.18 | 2.229 | |
| 14,100.0 | 7,985.0 | 14,015.9 | 7,833.8 | 121.8 | 122.8 | 73.01 | 6,270.0 | 1,163.0 | 517.6 | 281.8 | 235.80 | 2.195 | |
| 14,200.0 | 7,985.0 | 14,115.9 | 7,833.6 | 123.7 | 124.7 | 72.99 | 6,370.0 | 1,163.3 | 517.7 | 278.2 | 239.42 | 2.162 | |
| 14,300.0 | 7,985.0 | 14,215.9 | 7,833.4 | 125.6 | 126.6 | 72.97 | 6,469.9 | 1,163.6 | 517.7 | 274.7 | 243.04 | 2.130 | |
| 14,400.0 | 7,985.0 | 14,315.9 | 7,833.2 | 127.5 | 128.5 | 72.95 | 6,569.9 | 1,164.0 | 517.8 | 271.1 | 246.67 | 2.099 | |
| 14,500.0 | 7,985.0 | 14,415.9 | 7,833.0 | 129.4 | 130.4 | 72.93 | 6,669.9 | 1,164.3 | 517.8 | 267.6 | 250.29 | 2.069 | |
| 14,600.0 | 7,985.0 | 14,515.9 | 7,832.8 | 131.3 | 132.2 | 72.91 | 6,769.9 | 1,164.7 | 517.9 | 264.0 | 253.92 | 2.040 | |
| 14,700.0 | 7,985.0 | 14,615.9 | 7,832.6 | 133.2 | 134.1 | 72.89 | 6,869.9 | 1,165.0 | 518.0 | 260.4 | 257.54 | 2.011 | |
| 14,800.0 | 7,985.0 | 14,715.9 | 7,832.4 | 135.0 | 136.0 | 72.86 | 6,969.9 | 1,165.3 | 518.0 | 256.9 | 261.17 | 1.984 | |
| 14,900.0 | 7,985.0 | 14,815.9 | 7,832.2 | 136.9 | 137.9 | 72.84 | 7,069.9 | 1,165.7 | 518.1 | 253.3 | 264.79 | 1.957 | |
| 15,000.0 | 7,985.0 | 14,915.9 | 7,832.0 | 138.8 | 139.8 | 72.82 | 7,169.9 | 1,166.0 | 518.1 | 249.7 | 268.42 | 1.930 | |
| 15,100.0 | 7,985.0 | 15,015.9 | 7,831.8 | 140.7 | 141.6 | 72.80 | 7,269.9 | 1,166.4 | 518.2 | 246.2 | 272.04 | 1.905 | |
| 15,200.0 | 7,985.0 | 15,115.9 | 7,831.6 | 142.6 | 143.5 | 72.78 | 7,369.9 | 1,166.7 | 518.3 | 242.6 | 275.67 | 1.880 | |
| 15,300.0 | 7,985.0 | 15,215.9 | 7,831.4 | 144.5 | 145.4 | 72.76 | 7,469.9 | 1,167.0 | 518.3 | 239.0 | 279.30 | 1.856 | |
| 15,400.0 | 7,985.0 | 15,315.9 | 7,831.2 | 146.4 | 147.3 | 72.74 | 7,569.9 | 1,167.4 | 518.4 | 235.5 | 282.92 | 1.832 | |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey O-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | 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 | |
| 15,500.0 | 7,985.0 | 15,415.9 | 7,831.0 | 148.3 | 149.2 | 72.72 | 7,669.9 | 1,167.7 | 518.5 | 231.9 | 286.55 | 1.809 | |
| 15,600.0 | 7,985.0 | 15,515.9 | 7,830.8 | 150.2 | 151.1 | 72.70 | 7,769.9 | 1,168.0 | 518.5 | 228.3 | 290.18 | 1.787 | |
| 15,700.0 | 7,985.0 | 15,615.9 | 7,830.6 | 152.1 | 153.0 | 72.68 | 7,869.9 | 1,168.4 | 518.6 | 224.8 | 293.80 | 1.765 | |
| 15,800.0 | 7,985.0 | 15,715.9 | 7,830.4 | 154.0 | 154.8 | 72.66 | 7,969.9 | 1,168.7 | 518.6 | 221.2 | 297.43 | 1.744 | |
| 15,900.0 | 7,985.0 | 15,815.9 | 7,830.2 | 155.9 | 156.7 | 72.63 | 8,069.9 | 1,169.1 | 518.7 | 217.6 | 301.06 | 1.723 | |
| 16,000.0 | 7,985.0 | 15,915.9 | 7,830.0 | 157.8 | 158.6 | 72.61 | 8,169.9 | 1,169.4 | 518.8 | 214.1 | 304.68 | 1.703 | |
| 16,100.0 | 7,985.0 | 16,015.9 | 7,829.8 | 159.7 | 160.5 | 72.59 | 8,269.9 | 1,169.7 | 518.8 | 210.5 | 308.31 | 1.683 | |
| 16,200.0 | 7,985.0 | 16,115.9 | 7,829.6 | 161.6 | 162.4 | 72.57 | 8,369.9 | 1,170.1 | 518.9 | 206.9 | 311.93 | 1.663 | |
| 16,300.0 | 7,985.0 | 16,215.9 | 7,829.4 | 163.5 | 164.3 | 72.55 | 8,469.9 | 1,170.4 | 518.9 | 203.4 | 315.56 | 1.644 | |
| 16,400.0 | 7,985.0 | 16,315.9 | 7,829.2 | 165.4 | 166.2 | 72.53 | 8,569.9 | 1,170.8 | 519.0 | 199.8 | 319.19 | 1.626 | |
| 16,499.4 | 7,985.0 | 16,415.3 | 7,829.0 | 167.3 | 168.0 | 72.51 | 8,669.3 | 1,171.1 | 519.1 | 196.3 | 322.73 | 1.608 SF | |

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

| Offset Design Ivey Pad Sec.11-T1S-R68W - Ivey P-11-2HN - Wellbore #1 - Plan #1 (9-4-14) | | | | | | | | | | | | | 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 | 90.47 | -0.4 | 45.1 | 45.1 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 90.47 | -0.4 | 45.1 | 45.1 | 44.9 | 0.22 | 200.760 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 90.47 | -0.4 | 45.1 | 45.1 | 44.4 | 0.67 | 66.920 CC, ES | | |
| 300.0 | 300.0 | 298.4 | 298.4 | 0.6 | 0.5 | 90.61 | -0.5 | 46.8 | 46.8 | 45.7 | 1.11 | 42.218 | | |
| 400.0 | 400.0 | 396.6 | 396.4 | 0.8 | 0.8 | 90.97 | -0.9 | 51.8 | 52.0 | 50.4 | 1.55 | 33.504 | | |
| 500.0 | 500.0 | 494.3 | 493.8 | 1.0 | 1.0 | 91.45 | -1.5 | 60.2 | 60.5 | 58.5 | 2.02 | 29.988 | | |
| 600.0 | 600.0 | 591.4 | 590.1 | 1.2 | 1.3 | 91.92 | -2.4 | 71.7 | 72.4 | 69.9 | 2.52 | 28.785 | | |
| 700.0 | 700.0 | 687.5 | 685.2 | 1.5 | 1.6 | 92.33 | -3.5 | 86.4 | 87.7 | 84.7 | 3.05 | 28.722 | | |
| 800.0 | 800.0 | 782.6 | 778.5 | 1.7 | 2.0 | 92.68 | -4.9 | 104.0 | 106.3 | 102.6 | 3.63 | 29.243 | | |
| 900.0 | 900.0 | 876.7 | 870.4 | 1.9 | 2.4 | 92.96 | -6.4 | 124.4 | 128.1 | 123.8 | 4.26 | 30.080 | | |
| 1,000.0 | 1,000.0 | 974.0 | 965.1 | 2.1 | 2.8 | 93.17 | -8.1 | 146.8 | 151.1 | 146.2 | 4.93 | 30.663 | | |
| 1,100.0 | 1,100.0 | 1,071.7 | 1,060.2 | 2.3 | 3.3 | -6.17 | -9.9 | 169.3 | 172.5 | 167.7 | 4.78 | 36.085 | | |
| 1,200.0 | 1,199.8 | 1,170.1 | 1,155.9 | 2.5 | 3.8 | -6.17 | -11.6 | 192.0 | 190.5 | 185.3 | 5.22 | 36.462 | | |
| 1,300.0 | 1,299.5 | 1,269.0 | 1,252.1 | 2.8 | 4.2 | -6.28 | -13.3 | 214.7 | 205.1 | 199.4 | 5.68 | 36.116 | | |
| 1,400.0 | 1,398.7 | 1,368.4 | 1,348.8 | 3.0 | 4.7 | -6.48 | -15.1 | 237.6 | 216.3 | 210.1 | 6.14 | 35.196 | | |
| 1,500.0 | 1,497.8 | 1,467.8 | 1,445.6 | 3.3 | 5.2 | -6.71 | -16.8 | 260.5 | 226.4 | 219.8 | 6.63 | 34.153 | | |
| 1,600.0 | 1,597.0 | 1,567.3 | 1,542.4 | 3.5 | 5.7 | -6.93 | -18.6 | 283.4 | 236.5 | 229.4 | 7.12 | 33.226 | | |
| 1,700.0 | 1,696.1 | 1,666.8 | 1,639.2 | 3.8 | 6.2 | -7.12 | -20.3 | 306.3 | 246.6 | 239.0 | 7.61 | 32.398 | | |
| 1,800.0 | 1,795.2 | 1,766.3 | 1,736.0 | 4.1 | 6.7 | -7.30 | -22.1 | 329.2 | 256.7 | 248.6 | 8.11 | 31.656 | | |
| 1,900.0 | 1,894.3 | 1,865.8 | 1,832.8 | 4.4 | 7.2 | -7.47 | -23.8 | 352.1 | 266.9 | 258.3 | 8.61 | 30.988 | | |
| 2,000.0 | 1,993.5 | 1,965.3 | 1,929.6 | 4.7 | 7.7 | -7.63 | -25.6 | 375.0 | 277.0 | 267.9 | 9.12 | 30.384 | | |
| 2,100.0 | 2,092.6 | 2,064.7 | 2,026.4 | 5.0 | 8.2 | -7.77 | -27.3 | 397.9 | 287.1 | 277.5 | 9.62 | 29.836 | | |
| 2,200.0 | 2,191.7 | 2,164.2 | 2,123.2 | 5.3 | 8.7 | -7.90 | -29.1 | 420.8 | 297.3 | 287.1 | 10.13 | 29.337 | | |
| 2,300.0 | 2,290.8 | 2,263.7 | 2,220.0 | 5.6 | 9.2 | -8.03 | -30.8 | 443.7 | 307.4 | 296.8 | 10.64 | 28.880 | | |
| 2,400.0 | 2,390.0 | 2,363.2 | 2,316.8 | 6.0 | 9.7 | -8.15 | -32.6 | 466.6 | 317.5 | 306.4 | 11.16 | 28.462 | | |
| 2,500.0 | 2,489.1 | 2,462.7 | 2,413.6 | 6.3 | 10.2 | -8.26 | -34.3 | 489.5 | 327.7 | 316.0 | 11.67 | 28.076 | | |
| 2,600.0 | 2,588.2 | 2,562.2 | 2,510.4 | 6.6 | 10.7 | -8.36 | -36.1 | 512.4 | 337.8 | 325.6 | 12.19 | 27.721 | | |
| 2,700.0 | 2,687.3 | 2,661.6 | 2,607.2 | 6.9 | 11.2 | -8.46 | -37.8 | 535.3 | 348.0 | 335.2 | 12.70 | 27.392 | | |
| 2,800.0 | 2,786.5 | 2,761.1 | 2,703.9 | 7.2 | 11.7 | -8.55 | -39.6 | 558.2 | 358.1 | 344.9 | 13.22 | 27.086 | | |
| 2,900.0 | 2,885.6 | 2,860.6 | 2,800.7 | 7.6 | 12.2 | -8.63 | -41.3 | 581.1 | 368.2 | 354.5 | 13.74 | 26.802 | | |
| 3,000.0 | 2,984.7 | 2,960.1 | 2,897.5 | 7.9 | 12.7 | -8.72 | -43.1 | 604.0 | 378.4 | 364.1 | 14.26 | 26.537 | | |
| 3,100.0 | 3,083.8 | 3,059.6 | 2,994.3 | 8.2 | 13.2 | -8.79 | -44.8 | 626.9 | 388.5 | 373.7 | 14.78 | 26.290 | | |
| 3,200.0 | 3,183.0 | 3,159.0 | 3,091.1 | 8.5 | 13.7 | -8.87 | -46.6 | 649.8 | 398.7 | 383.4 | 15.30 | 26.058 | | |
| 3,300.0 | 3,282.1 | 3,258.5 | 3,187.9 | 8.9 | 14.2 | -8.94 | -48.3 | 672.7 | 408.8 | 393.0 | 15.82 | 25.840 | | |
| 3,400.0 | 3,381.2 | 3,358.0 | 3,284.7 | 9.2 | 14.7 | -9.01 | -50.1 | 695.6 | 418.9 | 402.6 | 16.34 | 25.636 | | |
| 3,500.0 | 3,480.3 | 3,457.5 | 3,381.5 | 9.5 | 15.2 | -9.07 | -51.8 | 718.5 | 429.1 | 412.2 | 16.86 | 25.443 | | |
| 3,600.0 | 3,579.5 | 3,557.0 | 3,478.3 | 9.9 | 15.7 | -9.13 | -53.6 | 741.4 | 439.2 | 421.8 | 17.39 | 25.261 | | |
| 3,700.0 | 3,678.6 | 3,656.5 | 3,575.1 | 10.2 | 16.2 | -9.19 | -55.3 | 764.3 | 449.4 | 431.5 | 17.91 | 25.090 | | |
| 3,800.0 | 3,777.7 | 3,755.9 | 3,671.9 | 10.5 | 16.7 | -9.24 | -57.1 | 787.2 | 459.5 | 441.1 | 18.43 | 24.927 | | |
| 3,900.0 | 3,876.8 | 3,855.4 | 3,768.7 | 10.8 | 17.2 | -9.30 | -58.8 | 810.1 | 469.7 | 450.7 | 18.96 | 24.773 | | |
| 4,000.0 | 3,975.9 | 3,954.9 | 3,865.5 | 11.2 | 17.7 | -9.35 | -60.6 | 833.0 | 479.8 | 460.3 | 19.48 | 24.627 | | |
| 4,100.0 | 4,075.1 | 4,054.4 | 3,962.3 | 11.5 | 18.2 | -9.40 | -62.3 | 855.9 | 490.0 | 470.0 | 20.01 | 24.488 | | |
| 4,200.0 | 4,174.2 | 4,153.9 | 4,059.1 | 11.8 | 18.7 | -9.44 | -64.1 | 878.8 | 500.1 | 479.6 | 20.53 | 24.356 | | |
| 4,300.0 | 4,273.3 | 4,253.4 | 4,155.9 | 12.2 | 19.2 | -9.49 | -65.8 | 901.7 | 510.3 | 489.2 | 21.06 | 24.230 | | |
| 4,400.0 | 4,372.4 | 4,352.8 | 4,252.7 | 12.5 | 19.7 | -9.53 | -67.6 | 924.6 | 520.4 | 498.8 | 21.58 | 24.110 | | |
| 4,500.0 | 4,471.6 | 4,452.3 | 4,349.5 | 12.8 | 20.2 | -9.57 | -69.3 | 947.5 | 530.6 | 508.4 | 22.11 | 23.996 | | |
| 4,600.0 | 4,570.7 | 4,551.8 | 4,446.3 | 13.2 | 20.7 | -9.61 | -71.1 | 970.4 | 540.7 | 518.1 | 22.64 | 23.886 | | |
| 4,700.0 | 4,669.8 | 4,651.3 | 4,543.1 | 13.5 | 21.2 | -9.65 | -72.8 | 993.2 | 550.9 | 527.7 | 23.16 | 23.782 | | |
| 4,800.0 | 4,768.9 | 4,750.8 | 4,639.9 | 13.8 | 21.7 | -9.69 | -74.6 | 1,016.1 | 561.0 | 537.3 | 23.69 | 23.681 | | |
| 4,900.0 | 4,868.1 | 4,850.3 | 4,736.7 | 14.2 | 22.2 | -9.72 | -76.3 | 1,039.0 | 571.2 | 546.9 | 24.22 | 23.585 | | |
| 5,000.0 | 4,967.2 | 4,949.7 | 4,833.5 | 14.5 | 22.7 | -9.76 | -78.1 | 1,061.9 | 581.3 | 556.6 | 24.74 | 23.493 | | |
| 5,100.0 | 5,066.3 | 5,049.2 | 4,930.3 | 14.8 | 23.2 | -9.79 | -79.8 | 1,084.8 | 591.5 | 566.2 | 25.27 | 23.405 SF | | |

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

| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

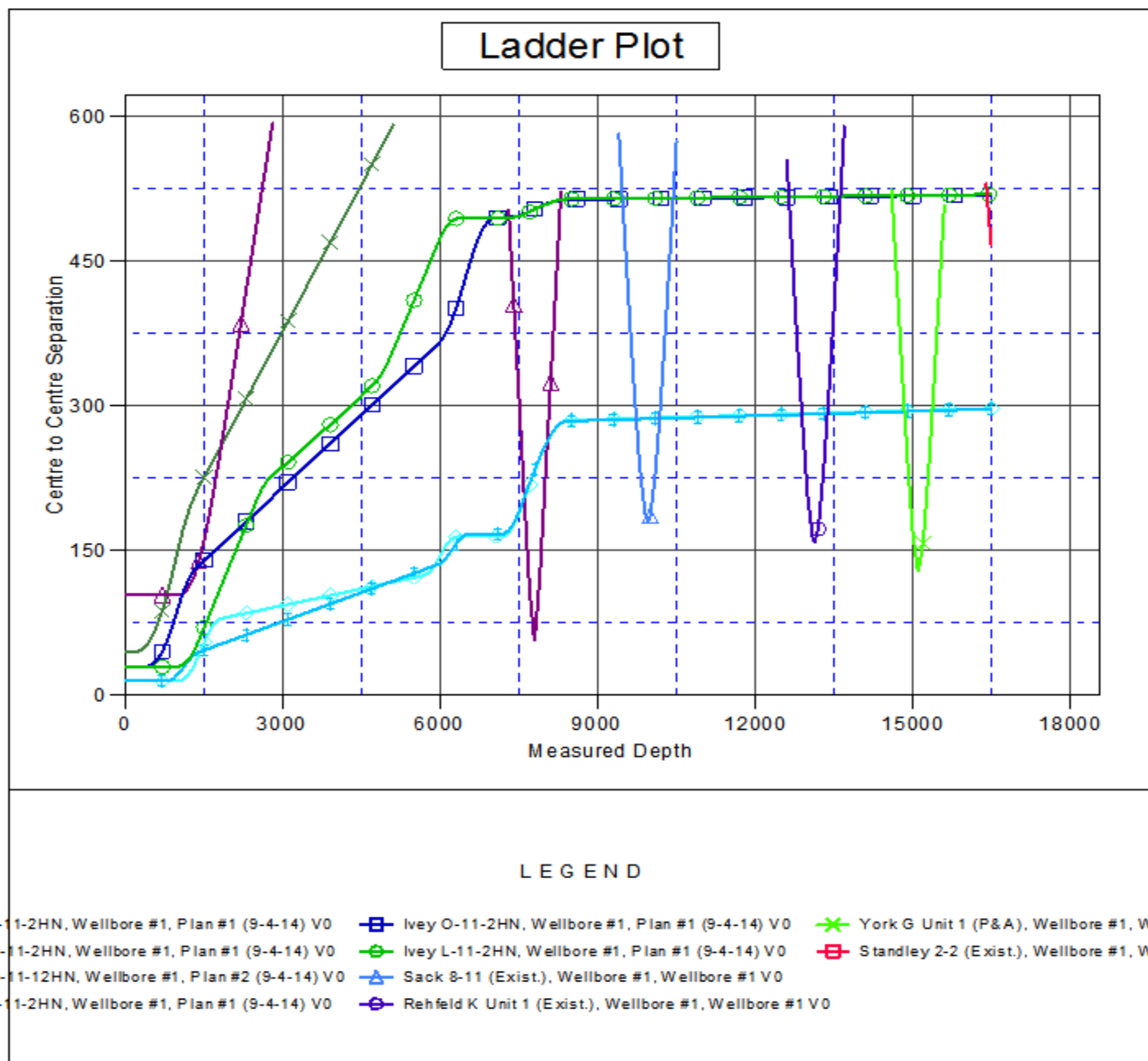
Reference Depths are relative to WELL @ 5128.5ft (Original Well Elev) Coordinates are relative to: Ivey M-11-2HC

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: 0.35°



| | | | |
|---------------------------|---|-------------------------------------|--------------------------------------|
| Company: | Bayswater Exploration & Production, LLC | Local Co-ordinate Reference: | Well Ivey M-11-2HC |
| Project: | SEC.11-T1S-R68W | TVD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Reference Site: | Ivey Pad Sec.11-T1S-R68W | MD Reference: | WELL @ 5128.5ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Ivey M-11-2HC | 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 (9-4-14) | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to WELL @ 5128.5ft (Original Well Elev) Coordinates are relative to: Ivey M-11-2HC
 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: 0.35°

