

# Bayswater Exploration & Production, LLC

Well Name: **Thornton G-29-30HN**

Surface Location: Thornton 28-H Pad Sec.28-T7N-R66W

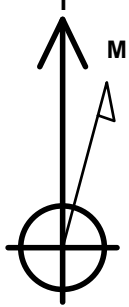
North American Datum 1983 , US State Plane 1983, Colorado Northern Zone

Ground Elevation: 4907.0

|                                       |       |            |            |           |             |      |
|---------------------------------------|-------|------------|------------|-----------|-------------|------|
| +N/-S                                 | +E/-W | Northing   | Easting    | Latitude  | Longitude   | Slot |
| 0.0                                   | 0.0   | 1443491.08 | 3196881.83 | 40.548624 | -104.791529 |      |
| RKB - 23' WELL @ 4930.0ft (RKB - 23') |       |            |            |           |             |      |

## WELLBORE TARGET DETAILS

|                               |        |       |          |       |
|-------------------------------|--------|-------|----------|-------|
| Name                          | TVD    | +N/-S | +E/-W    | Shape |
| SHL 1644'FNL, 355'FWL, SEC.28 | 1.0    | 0.0   | 0.0      | Point |
| BHL 1480'FNL, 470'FWL, SEC.30 | 7295.0 | -51.9 | -10772.6 | Point |
| LPL 1480'FNL, 470'FEL, SEC.29 | 7345.0 | 154.5 | -820.1   | Point |



Azimuths to True North  
Magnetic North: 8.26°

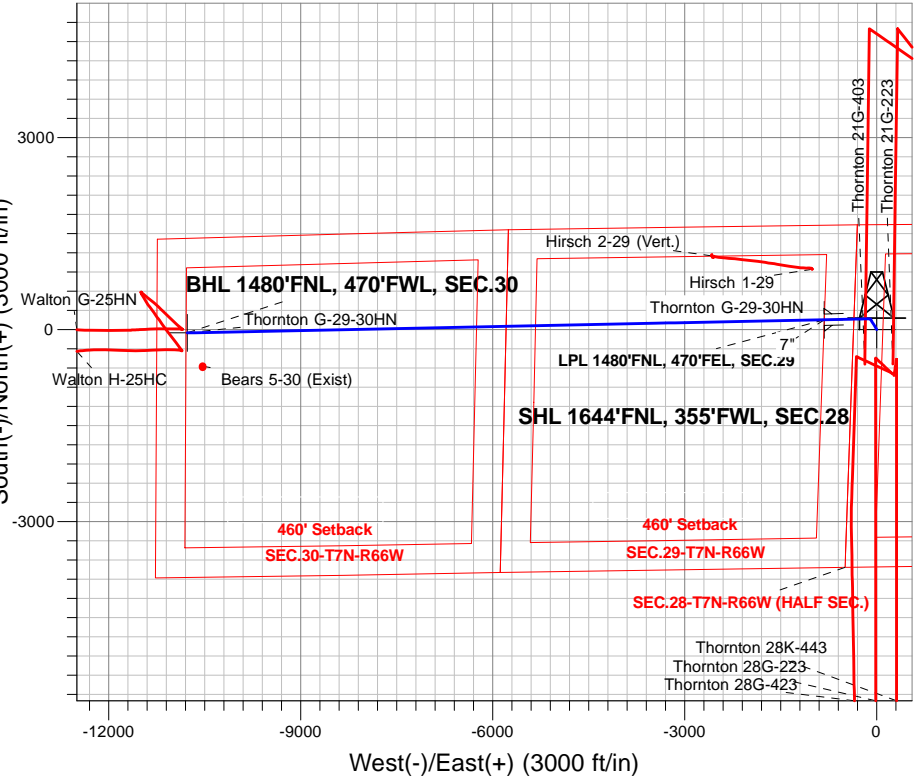
Magnetic Field  
Strength: 52711.3nT  
Dip Angle: 67.00°  
Date: 2/22/2016  
Model: IGRF2010

Thornton 28-H Pad Sec.28-T7N-R66W  
Thornton G-29-30HN  
Plan #1 (1-28-16)  
8:28, February 22 2016

## ANNOTATIONS

|        |         |                                |
|--------|---------|--------------------------------|
| TVD    | MD      | Annotation                     |
| 1500.0 | 1500.0  | KOP - Start Build 1.50         |
| 3744.6 | 3752.7  | Start Drop -2.00               |
| 6628.8 | 6637.2  | Start Build 8.00               |
| 7345.0 | 7765.9  | Start DLS 1.00 TFO 110.33      |
| 7345.0 | 7766.5  | Start 9954.1 hold at 7766.5 MD |
| 7295.0 | 17720.6 | TD at 17720.6                  |

South(-)/North(+) (3000 ft/in)

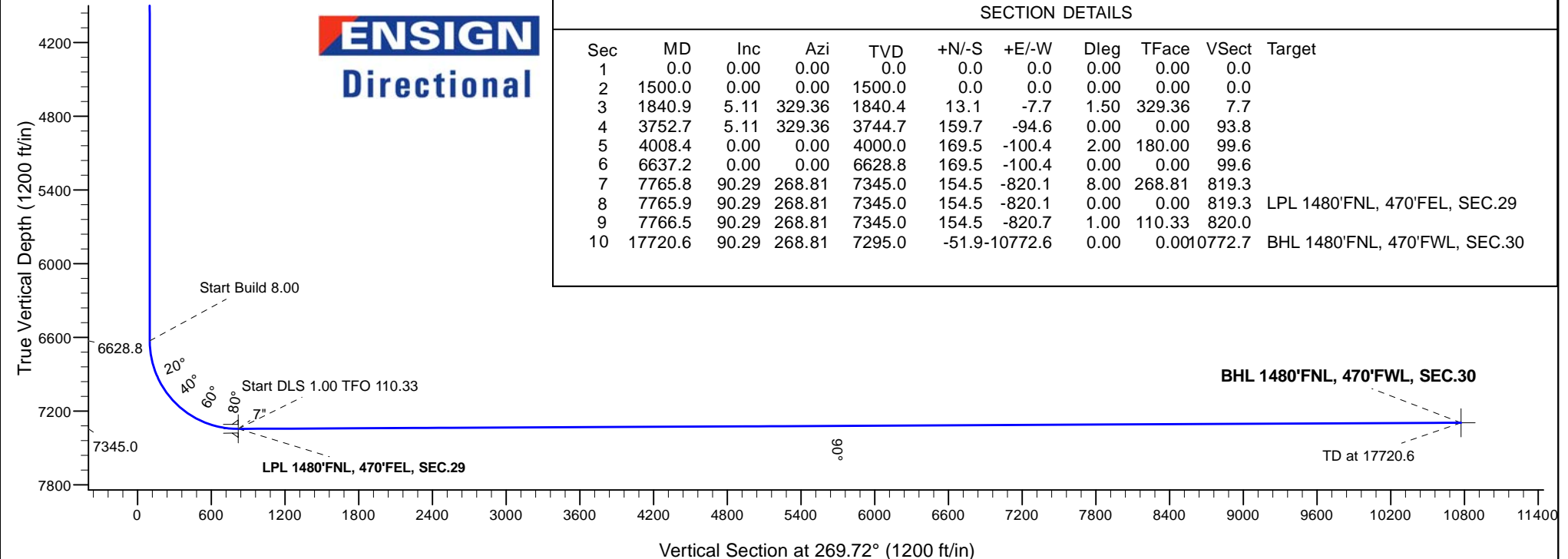


West(-)/East(+) (3000 ft/in)

**ENSIGN**  
Directional

## SECTION DETAILS

| Sec | MD      | Inc   | Azi    | TVD    | +N/-S | +E/-W    | Dleg | TFace  | Vsect   | Target                        |
|-----|---------|-------|--------|--------|-------|----------|------|--------|---------|-------------------------------|
| 1   | 0.0     | 0.00  | 0.00   | 0.0    | 0.0   | 0.0      | 0.00 | 0.00   | 0.0     |                               |
| 2   | 1500.0  | 0.00  | 0.00   | 1500.0 | 0.0   | 0.0      | 0.00 | 0.00   | 0.0     |                               |
| 3   | 1840.9  | 5.11  | 329.36 | 1840.4 | 13.1  | -7.7     | 1.50 | 329.36 | 7.7     |                               |
| 4   | 3752.7  | 5.11  | 329.36 | 3744.7 | 159.7 | -94.6    | 0.00 | 0.00   | 93.8    |                               |
| 5   | 4008.4  | 0.00  | 0.00   | 4000.0 | 169.5 | -100.4   | 2.00 | 180.00 | 99.6    |                               |
| 6   | 6637.2  | 0.00  | 0.00   | 6628.8 | 169.5 | -100.4   | 0.00 | 0.00   | 99.6    |                               |
| 7   | 7765.8  | 90.29 | 268.81 | 7345.0 | 154.5 | -820.1   | 8.00 | 268.81 | 819.3   |                               |
| 8   | 7765.9  | 90.29 | 268.81 | 7345.0 | 154.5 | -820.1   | 0.00 | 0.00   | 819.3   | LPL 1480'FNL, 470'FEL, SEC.29 |
| 9   | 7766.5  | 90.29 | 268.81 | 7345.0 | 154.5 | -820.7   | 1.00 | 110.33 | 820.0   |                               |
| 10  | 17720.6 | 90.29 | 268.81 | 7295.0 | -51.9 | -10772.6 | 0.00 | 0.00   | 10772.7 | BHL 1480'FNL, 470'FWL, SEC.30 |



# **ENSIGN**

## **Directional**

### **Bayswater Exploration & Production, LLC**

**SEC.28-T7N-R66W**

**Thornton 28-H Pad Sec.28-T7N-R66W**

**Thornton G-29-30HN**

**Wellbore #1**

**Plan: Plan #1 (1-28-16)**

### **Standard Planning Report**

**22 February, 2016**



**BAYSWATER**  
**EXPLORATION & PRODUCTION, LLC**

|                  |   |                                     |                             |
|------------------|---|-------------------------------------|-----------------------------|
| <b>Database:</b> | US_EDM                                  | <b>Local Co-ordinate Reference:</b> | Well Thornton G-29-30HN     |
| <b>Company:</b>  | Bayswater Exploration & Production, LLC | <b>TVD Reference:</b>               | WELL @ 4930.0ft (RKB - 23') |
| <b>Project:</b>  | SEC.28-T7N-R66W                         | <b>MD Reference:</b>                | WELL @ 4930.0ft (RKB - 23') |
| <b>Site:</b>     | Thornton 28-H Pad Sec.28-T7N-R66W       | <b>North Reference:</b>             | True                        |
| <b>Well:</b>     | Thornton G-29-30HN                      | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | Wellbore #1                             |                                     |                             |
| <b>Design:</b>   | Plan #1 (1-28-16)                       |                                     |                             |

|                    |  |                      |                             |
|--------------------|--|----------------------|-----------------------------|
| <b>Project</b>     | SEC.28-T7N-R66W, Weld County, Colorado |                      |                             |
| <b>Map System:</b> | US State Plane 1983                    | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | North American Datum 1983              |                      | Using Well Reference Point  |
| <b>Map Zone:</b>   | Colorado Northern Zone                 |                      | Using geodetic scale factor |

| Site                  | Thornton 28-H Pad Sec.28-T7N-R66W |              |                   |                   |             |
|-----------------------|-----------------------------------|--------------|-------------------|-------------------|-------------|
| Site Position:        |                                   | Northing:    | 1,443,581.10 usft | Latitude:         | 40.548871   |
| From:                 | Lat/Long                          | Easting:     | 3,196,884.17 usft | Longitude:        | -104.791518 |
| Position Uncertainty: | 0.0 ft                            | Slot Radius: | 13-3/16 "         | Grid Convergence: | 0.46        |

| Well                 | Thornton G-29-30HN |          |                     |                   |               |             |
|----------------------|--------------------|----------|---------------------|-------------------|---------------|-------------|
| Well Position        | +N/-S              | -90.0 ft | Northing:           | 1,443,491.09 usft | Latitude:     | 40.548624   |
|                      | +E/-W              | -3.1 ft  | Easting:            | 3,196,881.83 usft | Longitude:    | -104.791529 |
| Position Uncertainty |                    | 0.0 ft   | Wellhead Elevation: | 0.0 ft            | Ground Level: | 4,907.0 ft  |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 2/22/2016          | 8.26                   | 67.00                | 52,711                     |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | Plan #1 (1-28-16)            |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PROTOTYPE         | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.0                          | 0.0               | 0.0                  | 269.72               |

| <b>Plan Sections</b> |                 |             |                     |            |            |                         |                        |                       |         |                     |
|----------------------|-----------------|-------------|---------------------|------------|------------|-------------------------|------------------------|-----------------------|---------|---------------------|
| Measured Depth (ft)  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target              |
| 0.0                  | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 1,500.0              | 0.00            | 0.00        | 1,500.0             | 0.0        | 0.0        | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 1,840.9              | 5.11            | 329.36      | 1,840.4             | 13.1       | -7.7       | 1.50                    | 1.50                   | 0.00                  | 329.36  |                     |
| 3,752.7              | 5.11            | 329.36      | 3,744.7             | 159.7      | -94.6      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 4,008.4              | 0.00            | 0.00        | 4,000.0             | 169.5      | -100.4     | 2.00                    | -2.00                  | 0.00                  | 180.00  |                     |
| 6,637.2              | 0.00            | 0.00        | 6,628.8             | 169.5      | -100.4     | 0.00                    | 0.00                   | 0.00                  | 0.00    |                     |
| 7,765.8              | 90.29           | 268.81      | 7,345.0             | 154.5      | -820.1     | 8.00                    | 8.00                   | 0.00                  | 268.81  |                     |
| 7,765.9              | 90.29           | 268.81      | 7,345.0             | 154.5      | -820.1     | 0.00                    | 0.00                   | 0.00                  | 0.00    | LPL 1480'FNL, 470'F |
| 7,766.5              | 90.29           | 268.81      | 7,345.0             | 154.5      | -820.7     | 1.00                    | -0.35                  | 0.94                  | 110.33  |                     |
| 17,720.6             | 90.29           | 268.81      | 7,295.0             | -51.9      | -10,772.6  | 0.00                    | 0.00                   | 0.00                  | 0.00    | BHL 1480'FNL, 470'F |

|                  |   |                                     |                             |
|------------------|---|-------------------------------------|-----------------------------|
| <b>Database:</b> | US_EDM                                  | <b>Local Co-ordinate Reference:</b> | Well Thornton G-29-30HN     |
| <b>Company:</b>  | Bayswater Exploration & Production, LLC | <b>TVD Reference:</b>               | WELL @ 4930.0ft (RKB - 23') |
| <b>Project:</b>  | SEC.28-T7N-R66W                         | <b>MD Reference:</b>                | WELL @ 4930.0ft (RKB - 23') |
| <b>Site:</b>     | Thornton 28-H Pad Sec.28-T7N-R66W       | <b>North Reference:</b>             | True                        |
| <b>Well:</b>     | Thornton G-29-30HN                      | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | Wellbore #1                             |                                     |                             |
| <b>Design:</b>   | Plan #1 (1-28-16)                       |                                     |                             |

| Planned Survey                       |                 |             |                     |            |            |                       |                         |                        |                       |
|--------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft)                  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0                                  | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1.0                                  | 0.00            | 0.00        | 1.0                 | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| <b>SHL 1644'FNL, 355'FWL, SEC.28</b> |                 |             |                     |            |            |                       |                         |                        |                       |
| 100.0                                | 0.00            | 0.00        | 100.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 200.0                                | 0.00            | 0.00        | 200.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 300.0                                | 0.00            | 0.00        | 300.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 400.0                                | 0.00            | 0.00        | 400.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 500.0                                | 0.00            | 0.00        | 500.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 600.0                                | 0.00            | 0.00        | 600.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 700.0                                | 0.00            | 0.00        | 700.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 800.0                                | 0.00            | 0.00        | 800.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 900.0                                | 0.00            | 0.00        | 900.0               | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,000.0                              | 0.00            | 0.00        | 1,000.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,100.0                              | 0.00            | 0.00        | 1,100.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,200.0                              | 0.00            | 0.00        | 1,200.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,300.0                              | 0.00            | 0.00        | 1,300.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,400.0                              | 0.00            | 0.00        | 1,400.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| 1,500.0                              | 0.00            | 0.00        | 1,500.0             | 0.0        | 0.0        | 0.0                   | 0.00                    | 0.00                   | 0.00                  |
| <b>KOP - Start Build 1.50</b>        |                 |             |                     |            |            |                       |                         |                        |                       |
| 1,600.0                              | 1.50            | 329.36      | 1,600.0             | 1.1        | -0.7       | 0.7                   | 1.50                    | 1.50                   | 0.00                  |
| 1,700.0                              | 3.00            | 329.36      | 1,699.9             | 4.5        | -2.7       | 2.6                   | 1.50                    | 1.50                   | 0.00                  |
| 1,800.0                              | 4.50            | 329.36      | 1,799.7             | 10.1       | -6.0       | 6.0                   | 1.50                    | 1.50                   | 0.00                  |
| 1,840.9                              | 5.11            | 329.36      | 1,840.4             | 13.1       | -7.7       | 7.7                   | 1.50                    | 1.50                   | 0.00                  |
| 1,900.0                              | 5.11            | 329.36      | 1,899.3             | 17.6       | -10.4      | 10.3                  | 0.00                    | 0.00                   | 0.00                  |
| 2,000.0                              | 5.11            | 329.36      | 1,998.9             | 25.3       | -15.0      | 14.9                  | 0.00                    | 0.00                   | 0.00                  |
| 2,100.0                              | 5.11            | 329.36      | 2,098.5             | 32.9       | -19.5      | 19.4                  | 0.00                    | 0.00                   | 0.00                  |
| 2,200.0                              | 5.11            | 329.36      | 2,198.1             | 40.6       | -24.1      | 23.9                  | 0.00                    | 0.00                   | 0.00                  |
| 2,300.0                              | 5.11            | 329.36      | 2,297.7             | 48.3       | -28.6      | 28.4                  | 0.00                    | 0.00                   | 0.00                  |
| 2,400.0                              | 5.11            | 329.36      | 2,397.3             | 56.0       | -33.1      | 32.9                  | 0.00                    | 0.00                   | 0.00                  |
| 2,500.0                              | 5.11            | 329.36      | 2,496.9             | 63.6       | -37.7      | 37.4                  | 0.00                    | 0.00                   | 0.00                  |
| 2,600.0                              | 5.11            | 329.36      | 2,596.5             | 71.3       | -42.2      | 41.9                  | 0.00                    | 0.00                   | 0.00                  |
| 2,700.0                              | 5.11            | 329.36      | 2,696.1             | 79.0       | -46.8      | 46.4                  | 0.00                    | 0.00                   | 0.00                  |
| 2,800.0                              | 5.11            | 329.36      | 2,795.7             | 86.6       | -51.3      | 50.9                  | 0.00                    | 0.00                   | 0.00                  |
| 2,900.0                              | 5.11            | 329.36      | 2,895.3             | 94.3       | -55.9      | 55.4                  | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0                              | 5.11            | 329.36      | 2,994.9             | 102.0      | -60.4      | 59.9                  | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0                              | 5.11            | 329.36      | 3,094.5             | 109.6      | -64.9      | 64.4                  | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0                              | 5.11            | 329.36      | 3,194.1             | 117.3      | -69.5      | 68.9                  | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0                              | 5.11            | 329.36      | 3,293.7             | 125.0      | -74.0      | 73.4                  | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0                              | 5.11            | 329.36      | 3,393.3             | 132.6      | -78.6      | 77.9                  | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0                              | 5.11            | 329.36      | 3,492.9             | 140.3      | -83.1      | 82.4                  | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0                              | 5.11            | 329.36      | 3,592.5             | 148.0      | -87.7      | 86.9                  | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0                              | 5.11            | 329.36      | 3,692.1             | 155.6      | -92.2      | 91.4                  | 0.00                    | 0.00                   | 0.00                  |
| 3,752.7                              | 5.11            | 329.36      | 3,744.6             | 159.7      | -94.6      | 93.8                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Start Drop -2.00</b>              |                 |             |                     |            |            |                       |                         |                        |                       |
| 3,800.0                              | 4.17            | 329.36      | 3,791.8             | 163.0      | -96.5      | 95.8                  | 2.00                    | -2.00                  | 0.00                  |
| 3,900.0                              | 2.17            | 329.36      | 3,891.6             | 167.7      | -99.4      | 98.5                  | 2.00                    | -2.00                  | 0.00                  |
| 4,000.0                              | 0.17            | 329.36      | 3,991.6             | 169.5      | -100.4     | 99.6                  | 2.00                    | -2.00                  | 0.00                  |
| 4,008.4                              | 0.00            | 0.00        | 4,000.0             | 169.5      | -100.4     | 99.6                  | 2.00                    | -2.00                  | 0.00                  |
| 4,100.0                              | 0.00            | 0.00        | 4,091.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0                              | 0.00            | 0.00        | 4,191.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 4,300.0                              | 0.00            | 0.00        | 4,291.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0                              | 0.00            | 0.00        | 4,391.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0                              | 0.00            | 0.00        | 4,491.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |

|                  |   |                                     |                             |
|------------------|---|-------------------------------------|-----------------------------|
| <b>Database:</b> | US_EDM                                  | <b>Local Co-ordinate Reference:</b> | Well Thornton G-29-30HN     |
| <b>Company:</b>  | Bayswater Exploration & Production, LLC | <b>TVD Reference:</b>               | WELL @ 4930.0ft (RKB - 23') |
| <b>Project:</b>  | SEC.28-T7N-R66W                         | <b>MD Reference:</b>                | WELL @ 4930.0ft (RKB - 23') |
| <b>Site:</b>     | Thornton 28-H Pad Sec.28-T7N-R66W       | <b>North Reference:</b>             | True                        |
| <b>Well:</b>     | Thornton G-29-30HN                      | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | Wellbore #1                             |                                     |                             |
| <b>Design:</b>   | Plan #1 (1-28-16)                       |                                     |                             |

| Planned Survey  |                 |             |                     |            |            |                       |                         |                        |                       |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft)   | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 4,600.0   | 0.00            | 0.00        | 4,591.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0   | 0.00            | 0.00        | 4,691.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0   | 0.00            | 0.00        | 4,791.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0   | 0.00            | 0.00        | 4,891.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0   | 0.00            | 0.00        | 4,991.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0   | 0.00            | 0.00        | 5,091.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,200.0   | 0.00            | 0.00        | 5,191.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,300.0   | 0.00            | 0.00        | 5,291.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0   | 0.00            | 0.00        | 5,391.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0   | 0.00            | 0.00        | 5,491.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0   | 0.00            | 0.00        | 5,591.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0   | 0.00            | 0.00        | 5,691.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0   | 0.00            | 0.00        | 5,791.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0   | 0.00            | 0.00        | 5,891.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0   | 0.00            | 0.00        | 5,991.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0   | 0.00            | 0.00        | 6,091.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0   | 0.00            | 0.00        | 6,191.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0   | 0.00            | 0.00        | 6,291.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0   | 0.00            | 0.00        | 6,391.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0   | 0.00            | 0.00        | 6,491.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0   | 0.00            | 0.00        | 6,591.6             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,637.2   | 0.00            | 0.00        | 6,628.8             | 169.5      | -100.4     | 99.6                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Start Build 8.00</b>   |                 |             |                     |            |            |                       |                         |                        |                       |
| 6,700.0   | 5.02            | 268.81      | 6,691.5             | 169.4      | -103.1     | 102.3                 | 8.00                    | 8.00                   | 0.00                  |
| 6,800.0   | 13.02           | 268.81      | 6,790.2             | 169.1      | -118.8     | 118.0                 | 8.00                    | 8.00                   | 0.00                  |
| 6,900.0   | 21.02           | 268.81      | 6,885.7             | 168.5      | -148.1     | 147.2                 | 8.00                    | 8.00                   | 0.00                  |
| 7,000.0   | 29.02           | 268.81      | 6,976.3             | 167.6      | -190.3     | 189.5                 | 8.00                    | 8.00                   | 0.00                  |
| 7,100.0   | 37.02           | 268.81      | 7,060.1             | 166.5      | -244.8     | 244.0                 | 8.00                    | 8.00                   | 0.00                  |
| 7,200.0   | 45.02           | 268.81      | 7,135.4             | 165.1      | -310.3     | 309.5                 | 8.00                    | 8.00                   | 0.00                  |
| 7,300.0   | 53.02           | 268.81      | 7,201.0             | 163.6      | -385.7     | 385.0                 | 8.00                    | 8.00                   | 0.00                  |
| 7,400.0   | 61.02           | 268.81      | 7,255.4             | 161.8      | -469.5     | 468.8                 | 8.00                    | 8.00                   | 0.00                  |
| 7,500.0   | 69.02           | 268.81      | 7,297.5             | 159.9      | -560.1     | 559.3                 | 8.00                    | 8.00                   | 0.00                  |
| 7,600.0   | 77.02           | 268.81      | 7,326.7             | 157.9      | -655.6     | 654.9                 | 8.00                    | 8.00                   | 0.00                  |
| 7,700.0   | 85.02           | 268.81      | 7,342.3             | 155.9      | -754.3     | 753.6                 | 8.00                    | 8.00                   | 0.00                  |
| 7,765.9   | 90.29           | 268.81      | 7,345.0             | 154.5      | -820.1     | 819.3                 | 7.99                    | 7.99                   | 0.00                  |
| <b>Start DLS 1.00 TFO 110.33 - 7" - LPL 1480'FNL, 470'FEL, SEC.29</b> |                 |             |                     |            |            |                       |                         |                        |                       |
| 7,766.5   | 90.29           | 268.81      | 7,345.0             | 154.5      | -820.7     | 820.0                 | 0.94                    | -0.02                  | 0.94                  |
| <b>Start 9954.1 hold at 7766.5 MD</b>                                 |                 |             |                     |            |            |                       |                         |                        |                       |
| 7,800.0   | 90.29           | 268.81      | 7,344.8             | 153.8      | -854.2     | 853.5                 | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0   | 90.29           | 268.81      | 7,344.3             | 151.7      | -954.2     | 953.5                 | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0   | 90.29           | 268.81      | 7,343.8             | 149.6      | -1,054.2   | 1,053.4               | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0   | 90.29           | 268.81      | 7,343.3             | 147.6      | -1,154.2   | 1,153.4               | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0   | 90.29           | 268.81      | 7,342.8             | 145.5      | -1,254.1   | 1,253.4               | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0   | 90.29           | 268.81      | 7,342.3             | 143.4      | -1,354.1   | 1,353.4               | 0.00                    | 0.00                   | 0.00                  |
| 8,400.0   | 90.29           | 268.81      | 7,341.8             | 141.3      | -1,454.1   | 1,453.4               | 0.00                    | 0.00                   | 0.00                  |
| 8,500.0   | 90.29           | 268.81      | 7,341.3             | 139.3      | -1,554.1   | 1,553.4               | 0.00                    | 0.00                   | 0.00                  |
| 8,600.0   | 90.29           | 268.81      | 7,340.8             | 137.2      | -1,654.0   | 1,653.4               | 0.00                    | 0.00                   | 0.00                  |
| 8,700.0   | 90.29           | 268.81      | 7,340.3             | 135.1      | -1,754.0   | 1,753.3               | 0.00                    | 0.00                   | 0.00                  |
| 8,800.0   | 90.29           | 268.81      | 7,339.8             | 133.1      | -1,854.0   | 1,853.3               | 0.00                    | 0.00                   | 0.00                  |
| 8,900.0   | 90.29           | 268.81      | 7,339.3             | 131.0      | -1,954.0   | 1,953.3               | 0.00                    | 0.00                   | 0.00                  |
| 9,000.0   | 90.29           | 268.81      | 7,338.8             | 128.9      | -2,053.9   | 2,053.3               | 0.00                    | 0.00                   | 0.00                  |
| 9,100.0   | 90.29           | 268.81      | 7,338.3             | 126.8      | -2,153.9   | 2,153.3               | 0.00                    | 0.00                   | 0.00                  |
| 9,200.0   | 90.29           | 268.81      | 7,337.8             | 124.8      | -2,253.9   | 2,253.3               | 0.00                    | 0.00                   | 0.00                  |

|                  |   |                                     |                             |
|------------------|---|-------------------------------------|-----------------------------|
| <b>Database:</b> | US_EDM                                  | <b>Local Co-ordinate Reference:</b> | Well Thornton G-29-30HN     |
| <b>Company:</b>  | Bayswater Exploration & Production, LLC | <b>TVD Reference:</b>               | WELL @ 4930.0ft (RKB - 23') |
| <b>Project:</b>  | SEC.28-T7N-R66W                         | <b>MD Reference:</b>                | WELL @ 4930.0ft (RKB - 23') |
| <b>Site:</b>     | Thornton 28-H Pad Sec.28-T7N-R66W       | <b>North Reference:</b>             | True                        |
| <b>Well:</b>     | Thornton G-29-30HN                      | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | Wellbore #1                             |                                     |                             |
| <b>Design:</b>   | Plan #1 (1-28-16)                       |                                     |                             |

| Planned Survey      |                 |             |                     |            |            |                       |                         |                        |                       |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 9,300.0             | 90.29           | 268.81      | 7,337.3             | 122.7      | -2,353.9   | 2,353.3               | 0.00                    | 0.00                   | 0.00                  |
| 9,400.0             | 90.29           | 268.81      | 7,336.8             | 120.6      | -2,453.9   | 2,453.2               | 0.00                    | 0.00                   | 0.00                  |
| 9,500.0             | 90.29           | 268.81      | 7,336.3             | 118.5      | -2,553.8   | 2,553.2               | 0.00                    | 0.00                   | 0.00                  |
| 9,600.0             | 90.29           | 268.81      | 7,335.8             | 116.5      | -2,653.8   | 2,653.2               | 0.00                    | 0.00                   | 0.00                  |
| 9,700.0             | 90.29           | 268.81      | 7,335.3             | 114.4      | -2,753.8   | 2,753.2               | 0.00                    | 0.00                   | 0.00                  |
| 9,800.0             | 90.29           | 268.81      | 7,334.8             | 112.3      | -2,853.8   | 2,853.2               | 0.00                    | 0.00                   | 0.00                  |
| 9,900.0             | 90.29           | 268.81      | 7,334.3             | 110.2      | -2,953.7   | 2,953.2               | 0.00                    | 0.00                   | 0.00                  |
| 10,000.0            | 90.29           | 268.81      | 7,333.8             | 108.2      | -3,053.7   | 3,053.2               | 0.00                    | 0.00                   | 0.00                  |
| 10,100.0            | 90.29           | 268.81      | 7,333.3             | 106.1      | -3,153.7   | 3,153.1               | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0            | 90.29           | 268.81      | 7,332.8             | 104.0      | -3,253.7   | 3,253.1               | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0            | 90.29           | 268.81      | 7,332.3             | 102.0      | -3,353.7   | 3,353.1               | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0            | 90.29           | 268.81      | 7,331.8             | 99.9       | -3,453.6   | 3,453.1               | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0            | 90.29           | 268.81      | 7,331.3             | 97.8       | -3,553.6   | 3,553.1               | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0            | 90.29           | 268.81      | 7,330.8             | 95.7       | -3,653.6   | 3,653.1               | 0.00                    | 0.00                   | 0.00                  |
| 10,700.0            | 90.29           | 268.81      | 7,330.3             | 93.7       | -3,753.6   | 3,753.1               | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0            | 90.29           | 268.81      | 7,329.8             | 91.6       | -3,853.5   | 3,853.1               | 0.00                    | 0.00                   | 0.00                  |
| 10,900.0            | 90.29           | 268.81      | 7,329.3             | 89.5       | -3,953.5   | 3,953.0               | 0.00                    | 0.00                   | 0.00                  |
| 11,000.0            | 90.29           | 268.81      | 7,328.8             | 87.4       | -4,053.5   | 4,053.0               | 0.00                    | 0.00                   | 0.00                  |
| 11,100.0            | 90.29           | 268.81      | 7,328.3             | 85.4       | -4,153.5   | 4,153.0               | 0.00                    | 0.00                   | 0.00                  |
| 11,200.0            | 90.29           | 268.81      | 7,327.8             | 83.3       | -4,253.4   | 4,253.0               | 0.00                    | 0.00                   | 0.00                  |
| 11,300.0            | 90.29           | 268.81      | 7,327.2             | 81.2       | -4,353.4   | 4,353.0               | 0.00                    | 0.00                   | 0.00                  |
| 11,400.0            | 90.29           | 268.81      | 7,326.7             | 79.1       | -4,453.4   | 4,453.0               | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0            | 90.29           | 268.81      | 7,326.2             | 77.1       | -4,553.4   | 4,553.0               | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0            | 90.29           | 268.81      | 7,325.7             | 75.0       | -4,653.4   | 4,652.9               | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0            | 90.29           | 268.81      | 7,325.2             | 72.9       | -4,753.3   | 4,752.9               | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0            | 90.29           | 268.81      | 7,324.7             | 70.8       | -4,853.3   | 4,852.9               | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0            | 90.29           | 268.81      | 7,324.2             | 68.8       | -4,953.3   | 4,952.9               | 0.00                    | 0.00                   | 0.00                  |
| 12,000.0            | 90.29           | 268.81      | 7,323.7             | 66.7       | -5,053.3   | 5,052.9               | 0.00                    | 0.00                   | 0.00                  |
| 12,100.0            | 90.29           | 268.81      | 7,323.2             | 64.6       | -5,153.2   | 5,152.9               | 0.00                    | 0.00                   | 0.00                  |
| 12,200.0            | 90.29           | 268.81      | 7,322.7             | 62.6       | -5,253.2   | 5,252.9               | 0.00                    | 0.00                   | 0.00                  |
| 12,300.0            | 90.29           | 268.81      | 7,322.2             | 60.5       | -5,353.2   | 5,352.8               | 0.00                    | 0.00                   | 0.00                  |
| 12,400.0            | 90.29           | 268.81      | 7,321.7             | 58.4       | -5,453.2   | 5,452.8               | 0.00                    | 0.00                   | 0.00                  |
| 12,500.0            | 90.29           | 268.81      | 7,321.2             | 56.3       | -5,553.2   | 5,552.8               | 0.00                    | 0.00                   | 0.00                  |
| 12,600.0            | 90.29           | 268.81      | 7,320.7             | 54.3       | -5,653.1   | 5,652.8               | 0.00                    | 0.00                   | 0.00                  |
| 12,700.0            | 90.29           | 268.81      | 7,320.2             | 52.2       | -5,753.1   | 5,752.8               | 0.00                    | 0.00                   | 0.00                  |
| 12,800.0            | 90.29           | 268.81      | 7,319.7             | 50.1       | -5,853.1   | 5,852.8               | 0.00                    | 0.00                   | 0.00                  |
| 12,900.0            | 90.29           | 268.81      | 7,319.2             | 48.0       | -5,953.1   | 5,952.8               | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0            | 90.29           | 268.81      | 7,318.7             | 46.0       | -6,053.0   | 6,052.7               | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0            | 90.29           | 268.81      | 7,318.2             | 43.9       | -6,153.0   | 6,152.7               | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0            | 90.29           | 268.81      | 7,317.7             | 41.8       | -6,253.0   | 6,252.7               | 0.00                    | 0.00                   | 0.00                  |
| 13,300.0            | 90.29           | 268.81      | 7,317.2             | 39.7       | -6,353.0   | 6,352.7               | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0            | 90.29           | 268.81      | 7,316.7             | 37.7       | -6,452.9   | 6,452.7               | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0            | 90.29           | 268.81      | 7,316.2             | 35.6       | -6,552.9   | 6,552.7               | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0            | 90.29           | 268.81      | 7,315.7             | 33.5       | -6,652.9   | 6,652.7               | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0            | 90.29           | 268.81      | 7,315.2             | 31.5       | -6,752.9   | 6,752.6               | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0            | 90.29           | 268.81      | 7,314.7             | 29.4       | -6,852.9   | 6,852.6               | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0            | 90.29           | 268.81      | 7,314.2             | 27.3       | -6,952.8   | 6,952.6               | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0            | 90.29           | 268.81      | 7,313.7             | 25.2       | -7,052.8   | 7,052.6               | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0            | 90.29           | 268.81      | 7,313.2             | 23.2       | -7,152.8   | 7,152.6               | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0            | 90.29           | 268.81      | 7,312.7             | 21.1       | -7,252.8   | 7,252.6               | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0            | 90.29           | 268.81      | 7,312.2             | 19.0       | -7,352.7   | 7,352.6               | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0            | 90.29           | 268.81      | 7,311.7             | 16.9       | -7,452.7   | 7,452.6               | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0            | 90.29           | 268.81      | 7,311.2             | 14.9       | -7,552.7   | 7,552.5               | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0            | 90.29           | 268.81      | 7,310.7             | 12.8       | -7,652.7   | 7,652.5               | 0.00                    | 0.00                   | 0.00                  |

|                  |   |                                     |                             |
|------------------|---|-------------------------------------|-----------------------------|
| <b>Database:</b> | US_EDM                                  | <b>Local Co-ordinate Reference:</b> | Well Thornton G-29-30HN     |
| <b>Company:</b>  | Bayswater Exploration & Production, LLC | <b>TVD Reference:</b>               | WELL @ 4930.0ft (RKB - 23') |
| <b>Project:</b>  | SEC.28-T7N-R66W                         | <b>MD Reference:</b>                | WELL @ 4930.0ft (RKB - 23') |
| <b>Site:</b>     | Thornton 28-H Pad Sec.28-T7N-R66W       | <b>North Reference:</b>             | True                        |
| <b>Well:</b>     | Thornton G-29-30HN                      | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | Wellbore #1                             |                                     |                             |
| <b>Design:</b>   | Plan #1 (1-28-16)                       |                                     |                             |

| Planned Survey                                |                 |             |                     |            |            |                       |                         |                        |                       |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft)                           | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 14,700.0                                      | 90.29           | 268.81      | 7,310.2             | 10.7       | -7,752.7   | 7,752.5               | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0                                      | 90.29           | 268.81      | 7,309.7             | 8.6        | -7,852.6   | 7,852.5               | 0.00                    | 0.00                   | 0.00                  |
| 14,900.0                                      | 90.29           | 268.81      | 7,309.2             | 6.6        | -7,952.6   | 7,952.5               | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0                                      | 90.29           | 268.81      | 7,308.7             | 4.5        | -8,052.6   | 8,052.5               | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0                                      | 90.29           | 268.81      | 7,308.2             | 2.4        | -8,152.6   | 8,152.5               | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0                                      | 90.29           | 268.81      | 7,307.7             | 0.3        | -8,252.5   | 8,252.4               | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0                                      | 90.29           | 268.81      | 7,307.2             | -1.7       | -8,352.5   | 8,352.4               | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0                                      | 90.29           | 268.81      | 7,306.7             | -3.8       | -8,452.5   | 8,452.4               | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0                                      | 90.29           | 268.81      | 7,306.2             | -5.9       | -8,552.5   | 8,552.4               | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0                                      | 90.29           | 268.81      | 7,305.7             | -7.9       | -8,652.4   | 8,652.4               | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0                                      | 90.29           | 268.81      | 7,305.1             | -10.0      | -8,752.4   | 8,752.4               | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0                                      | 90.29           | 268.81      | 7,304.6             | -12.1      | -8,852.4   | 8,852.4               | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0                                      | 90.29           | 268.81      | 7,304.1             | -14.2      | -8,952.4   | 8,952.3               | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0                                      | 90.29           | 268.81      | 7,303.6             | -16.2      | -9,052.4   | 9,052.3               | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0                                      | 90.29           | 268.81      | 7,303.1             | -18.3      | -9,152.3   | 9,152.3               | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0                                      | 90.29           | 268.81      | 7,302.6             | -20.4      | -9,252.3   | 9,252.3               | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0                                      | 90.29           | 268.81      | 7,302.1             | -22.5      | -9,352.3   | 9,352.3               | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0                                      | 90.29           | 268.81      | 7,301.6             | -24.5      | -9,452.3   | 9,452.3               | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0                                      | 90.29           | 268.81      | 7,301.1             | -26.6      | -9,552.2   | 9,552.3               | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0                                      | 90.29           | 268.81      | 7,300.6             | -28.7      | -9,652.2   | 9,652.2               | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0                                      | 90.29           | 268.81      | 7,300.1             | -30.8      | -9,752.2   | 9,752.2               | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0                                      | 90.29           | 268.81      | 7,299.6             | -32.8      | -9,852.2   | 9,852.2               | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0                                      | 90.29           | 268.81      | 7,299.1             | -34.9      | -9,952.1   | 9,952.2               | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0                                      | 90.29           | 268.81      | 7,298.6             | -37.0      | -10,052.1  | 10,052.2              | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0                                      | 90.29           | 268.81      | 7,298.1             | -39.0      | -10,152.1  | 10,152.2              | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0                                      | 90.29           | 268.81      | 7,297.6             | -41.1      | -10,252.1  | 10,252.2              | 0.00                    | 0.00                   | 0.00                  |
| 17,300.0                                      | 90.29           | 268.81      | 7,297.1             | -43.2      | -10,352.1  | 10,352.1              | 0.00                    | 0.00                   | 0.00                  |
| 17,400.0                                      | 90.29           | 268.81      | 7,296.6             | -45.3      | -10,452.0  | 10,452.1              | 0.00                    | 0.00                   | 0.00                  |
| 17,500.0                                      | 90.29           | 268.81      | 7,296.1             | -47.3      | -10,552.0  | 10,552.1              | 0.00                    | 0.00                   | 0.00                  |
| 17,600.0                                      | 90.29           | 268.81      | 7,295.6             | -49.4      | -10,652.0  | 10,652.1              | 0.00                    | 0.00                   | 0.00                  |
| 17,700.0                                      | 90.29           | 268.81      | 7,295.1             | -51.5      | -10,752.0  | 10,752.1              | 0.00                    | 0.00                   | 0.00                  |
| 17,720.6                                      | 90.29           | 268.81      | 7,295.0             | -51.9      | -10,772.6  | 10,772.7              | 0.00                    | 0.00                   | 0.00                  |
| TD at 17720.6 - BHL 1480'FNL, 470'FWL, SEC.30 |                 |             |                     |            |            |                       |                         |                        |                       |

| Design Targets   |               |              |          |            |            |                 |                |           |             |
|--|---------------|--------------|----------|------------|------------|-----------------|----------------|-----------|-------------|
| Target Name  | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude  | Longitude   |
| - hit/miss target  |               |              |          |            |            |                 |                |           |             |
| - Shape  |               |              |          |            |            |                 |                |           |             |
| SHL 1644'FNL, 355'FWL<br>- plan hits target center<br>- Point  | 0.00          | 0.00         | 1.0      | 0.0        | 0.0        | 1,443,491.10    | 3,196,881.83   | 40.548624 | -104.791529 |
| BHL 1480'FNL, 470'FWL<br>- plan hits target center<br>- Point  | 0.00          | 0.00         | 7,295.0  | -51.9      | -10,772.6  | 1,443,353.11    | 3,186,110.34   | 40.548475 | -104.830292 |
| LPL 1480'FNL, 470'FEL,<br>- plan hits target center<br>- Point | 0.00          | 0.00         | 7,345.0  | 154.5      | -820.1     | 1,443,639.02    | 3,196,060.55   | 40.549048 | -104.794480 |

|                  |   |                                     |                             |
|------------------|---|-------------------------------------|-----------------------------|
| <b>Database:</b> | US_EDM                                  | <b>Local Co-ordinate Reference:</b> | Well Thornton G-29-30HN     |
| <b>Company:</b>  | Bayswater Exploration & Production, LLC | <b>TVD Reference:</b>               | WELL @ 4930.0ft (RKB - 23') |
| <b>Project:</b>  | SEC.28-T7N-R66W                         | <b>MD Reference:</b>                | WELL @ 4930.0ft (RKB - 23') |
| <b>Site:</b>     | Thornton 28-H Pad Sec.28-T7N-R66W       | <b>North Reference:</b>             | True                        |
| <b>Well:</b>     | Thornton G-29-30HN                      | <b>Survey Calculation Method:</b>   | Minimum Curvature           |
| <b>Wellbore:</b> | Wellbore #1                             |                                     |                             |
| <b>Design:</b>   | Plan #1 (1-28-16)                       |                                     |                             |

| Casing Points       |                     |      |                     |                   |  |
|---------------------|---------------------|------|---------------------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |  |
| 7,765.9             | 7,345.0             | 7"   | 7                   | 8-3/4             |  |

| Plan Annotations    |                     |                   |            |                                |  |
|---------------------|---------------------|-------------------|------------|--------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            |                                |  |
|                     |                     | +N/-S (ft)        | +E/-W (ft) | Comment                        |  |
| 1,500.0             | 1,500.0             | 0.0               | 0.0        | KOP - Start Build 1.50         |  |
| 3,752.7             | 3,744.6             | 159.7             | -94.6      | Start Drop -2.00               |  |
| 6,637.2             | 6,628.8             | 169.5             | -100.4     | Start Build 8.00               |  |
| 7,765.9             | 7,345.0             | 154.5             | -820.1     | Start DLS 1.00 TFO 110.33      |  |
| 7,766.5             | 7,345.0             | 154.5             | -820.7     | Start 9954.1 hold at 7766.5 MD |  |
| 17,720.6            | 7,295.0             | -51.9             | -10,772.6  | TD at 17720.6                  |  |