

# **BAYSWATER EXPLORATION & PRODUCTION**

**WELD COUNTY**

**SEC 17-T7N-R65W**

**DEHAAN 6X-HC-16-07-65**

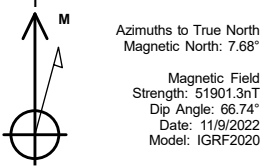
**OWB**

**Plan: PROPOSAL 1**

## **Standard Survey Report**

**10 November, 2022**

Project: WELD COUNTY  
Site: SEC 17-T7N-R65W  
Well: DEHAAN 6X-HC-16-07-65  
Wellbore: OWB  
Design: PROPOSAL 1



WELL DETAILS: DEHAAN 6X-HC-16-07-65

| +N/-S | +E/-W | Northing   | Easting    | 4906.00 | Latitude    | Longitude    | Slot |
|-------|-------|------------|------------|---------|-------------|--------------|------|
| 0.00  | 0.00  | 1451795.47 | 3223765.45 |         | 40.570788°N | 104.694523°W |      |

ANNOTATIONS

| MD       | Inc   | Azi    | TVD     | +N/-S   | +E/-W   | VSect    | Departure | Annotation                       |
|----------|-------|--------|---------|---------|---------|----------|-----------|----------------------------------|
| 100.00   | 0.00  | 0.00   | 100.00  | 0.00    | 0.00    | 0.00     | 0.00      | Start Build 2.00                 |
| 1643.71  | 30.87 | 349.23 | 1570.08 | 398.80  | -75.88  | 63.14    | 405.95    | Start 5927.90 hold at 1643.71 MD |
| 7571.61  | 30.87 | 349.23 | 6657.97 | 3387.13 | -644.46 | 536.27   | 3447.89   | Start DLS 10.00 TFO 100.64       |
| 8534.59  | 90.00 | 91.57  | 7207.00 | 3692.05 | -66.39  | 1183.33  | 4175.57   | Start 9633.06 hold at 8534.59 MD |
| 18167.66 | 90.00 | 91.57  | 7207.00 | 3427.95 | 9563.05 | 10158.88 | 13808.64  | TD at 18167.66                   |

SECTION DETAILS

| Sec | MD       | Inc   | Azi    | TVD     | +N/-S   | +E/-W   | Dleg  | TFace  | VSect    | Target       |
|-----|----------|-------|--------|---------|---------|---------|-------|--------|----------|--------------|
| 1   | 0.00     | 0.00  | 0.00   | 0.00    | 0.00    | 0.00    | 0.00  | 0.00   | 0.00     |              |
| 2   | 100.00   | 0.00  | 0.00   | 100.00  | 0.00    | 0.00    | 0.00  | 0.00   | 0.00     |              |
| 3   | 1643.71  | 30.87 | 349.23 | 1570.08 | 398.80  | -75.88  | 2.00  | 349.23 | 63.14    |              |
| 4   | 7571.61  | 30.87 | 349.23 | 6657.97 | 3387.13 | -644.46 | 0.00  | 0.00   | 536.27   |              |
| 5   | 8534.59  | 90.00 | 91.57  | 7207.00 | 3692.05 | -66.39  | 10.00 | 100.64 | 1183.33  | LP-DEHAAN 6; |
| 6   | 18167.66 | 90.00 | 91.57  | 7207.00 | 3427.95 | 9563.05 | 0.00  | 0.00   | 10158.88 | PBHL-DEHAAN  |

DESIGN TARGET DETAILS

| Name                      | TVD     | +N/-S   | +E/-W   | Northing   | Easting    | Latitude    | Longitude    |
|---------------------------|---------|---------|---------|------------|------------|-------------|--------------|
| LP-DEHAAN 6X-HC           | 7207.00 | 3692.05 | -66.39  | 1455486.66 | 3223665.53 | 40.580922°N | 104.694762°W |
| - plan hits target center |         |         |         |            |            |             |              |
| PBHL-DEHAAN 6X-HC         | 7207.00 | 3427.95 | 9563.05 | 1455310.05 | 3233296.70 | 40.580192°N | 104.660096°W |
| - plan hits target center |         |         |         |            |            |             |              |

PROJECT DETAILS: WELD COUNTY

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Northern Zone

System Datum: Mean Sea Level

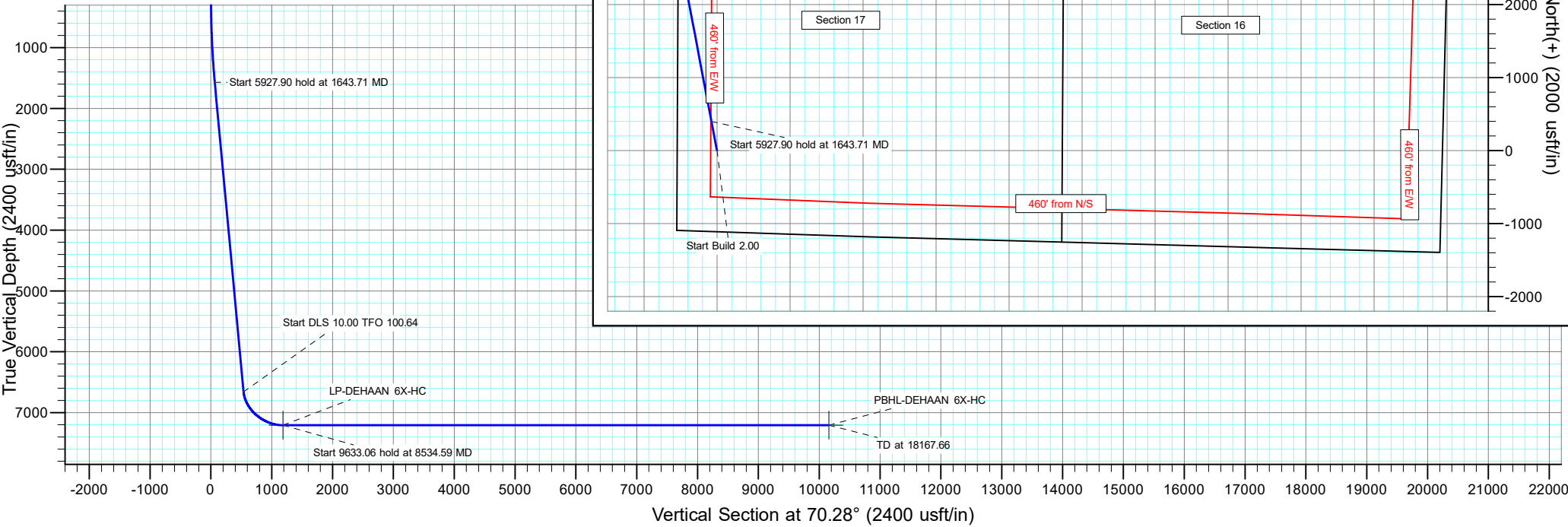
FORMATION TOP DETAILS

No formation data is available

SHL:  
1110' FSL, 546' FWL  
Sec 17-T7N-R65W

LP:  
486' FNL, 460' FWL  
Sec 17-T7N-R65W

BHL:  
480' FNL, 460' FEL  
Sec 16-T7N-R65W



## Survey Report

|                  |                                    |                                     |                            |
|------------------|------------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | BAYSWATER EXPLORATION & PRODUCTION | <b>Local Co-ordinate Reference:</b> | Well DEHAAN 6X-HC-16-07-65 |
| <b>Project:</b>  | WELD COUNTY                        | <b>TVD Reference:</b>               | KB 23' @ 4929.00usft       |
| <b>Site:</b>     | SEC 17-T7N-R65W                    | <b>MD Reference:</b>                | KB 23' @ 4929.00usft       |
| <b>Well:</b>     | DEHAAN 6X-HC-16-07-65              | <b>North Reference:</b>             | True                       |
| <b>Wellbore:</b> | OWB                                | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | PROPOSAL 1                         | <b>Database:</b>                    | EDM 5000.16 Single User Db |

|                    |                           |                      |                             |
|--------------------|---------------------------|----------------------|-----------------------------|
| <b>Project</b>     | WELD COUNTY               |                      |                             |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                             |
| <b>Map Zone:</b>   | Colorado Northern Zone    |                      | Using geodetic scale factor |

|                              |                 |                     |                   |
|------------------------------|-----------------|---------------------|-------------------|
| <b>Site</b>                  | SEC 17-T7N-R65W |                     |                   |
| <b>Site Position:</b>        |                 | <b>Northing:</b>    | 1,450,698.32 usft |
| <b>From:</b>                 | Lat/Long        | <b>Easting:</b>     | 3,223,224.19 usft |
| <b>Position Uncertainty:</b> | 0.00 usft       | <b>Slot Radius:</b> | 13.200 in         |
|                              |                 | <b>Latitude:</b>    | 40.567790°N       |
|                              |                 | <b>Longitude:</b>   | 104.696507°W      |

|                             |                       |                            |                                    |
|-----------------------------|-----------------------|----------------------------|------------------------------------|
| <b>Well</b>                 | DEHAAN 6X-HC-16-07-65 |                            |                                    |
| <b>Well Position</b>        | <b>+N/-S</b>          | 0.00 usft                  | <b>Northing:</b> 1,451,795.47 usft |
|                             | <b>+E/-W</b>          | 0.00 usft                  | <b>Easting:</b> 3,223,765.45 usft  |
| <b>Position Uncertainty</b> | 0.00 usft             | <b>Wellhead Elevation:</b> | usft                               |
| <b>Grid Convergence:</b>    | 0.52 °                | <b>Ground Level:</b>       | 4,906.00 usft                      |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OWB               |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2020          | 11/9/2022          | 7.68                   | 66.74                | 51,901.33994614            |

|                          |                                |                     |                      |                      |  |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|--|
| <b>Design</b>            | PROPOSAL 1                     |                     |                      |                      |  |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |  |
| <b>Version:</b>          | <b>Phase:</b>                  | PROTOTYPE           | <b>Tie On Depth:</b> | 0.00                 |  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |  |
|                          | 0.00                           | 0.00                | 0.00                 | 70.28                |  |

|                            |                  |                          |                  |                     |  |
|----------------------------|------------------|--------------------------|------------------|---------------------|--|
| <b>Survey Tool Program</b> | <b>Date</b>      | 11/10/2022               |                  |                     |  |
| <b>From (usft)</b>         | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b>  |  |
| 0.00                       | 18,167.66        | PROPOSAL 1 (OWB)         | MWD              | OWSG MWD - Standard |  |

|                              |                        |                    |                              |                     |                     |                                |                              |                             |                            |  |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|------------------------------|-----------------------------|----------------------------|--|
| <b>Planned Survey</b>        |                        |                    |                              |                     |                     |                                |                              |                             |                            |  |
| <b>Measured Depth (usft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Vertical Section (usft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> |  |
| 0.00                         | 0.00                   | 0.00               | 0.00                         | 0.00                | 0.00                | 0.00                           | 0.00                         | 0.00                        | 0.00                       |  |
| 100.00                       | 0.00                   | 0.00               | 100.00                       | 0.00                | 0.00                | 0.00                           | 0.00                         | 0.00                        | 0.00                       |  |
| <b>Start Build 2.00</b>      |                        |                    |                              |                     |                     |                                |                              |                             |                            |  |
| 200.00                       | 2.00                   | 349.23             | 199.98                       | 1.71                | -0.33               | 0.27                           | 2.00                         | 2.00                        | 0.00                       |  |
| 300.00                       | 4.00                   | 349.23             | 299.84                       | 6.86                | -1.30               | 1.09                           | 2.00                         | 2.00                        | 0.00                       |  |
| 400.00                       | 6.00                   | 349.23             | 399.45                       | 15.42               | -2.93               | 2.44                           | 2.00                         | 2.00                        | 0.00                       |  |
| 500.00                       | 8.00                   | 349.23             | 498.70                       | 27.39               | -5.21               | 4.34                           | 2.00                         | 2.00                        | 0.00                       |  |
| 600.00                       | 10.00                  | 349.23             | 597.47                       | 42.76               | -8.14               | 6.77                           | 2.00                         | 2.00                        | 0.00                       |  |
| 700.00                       | 12.00                  | 349.23             | 695.62                       | 61.50               | -11.70              | 9.74                           | 2.00                         | 2.00                        | 0.00                       |  |
| 800.00                       | 14.00                  | 349.23             | 793.06                       | 83.60               | -15.91              | 13.24                          | 2.00                         | 2.00                        | 0.00                       |  |

## Survey Report

|                  |                                    |                                     |                            |
|------------------|------------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | BAYSWATER EXPLORATION & PRODUCTION | <b>Local Co-ordinate Reference:</b> | Well DEHAAN 6X-HC-16-07-65 |
| <b>Project:</b>  | WELD COUNTY                        | <b>TVD Reference:</b>               | KB 23' @ 4929.00usft       |
| <b>Site:</b>     | SEC 17-T7N-R65W                    | <b>MD Reference:</b>                | KB 23' @ 4929.00usft       |
| <b>Well:</b>     | DEHAAN 6X-HC-16-07-65              | <b>North Reference:</b>             | True                       |
| <b>Wellbore:</b> | OWB                                | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | PROPOSAL 1                         | <b>Database:</b>                    | EDM 5000.16 Single User Db |

| Planned Survey                   |                 |             |                       |              |              |                         |                       |                      |                     |
|----------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| Measured Depth (usft)            | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 900.00                           | 16.00           | 349.23      | 889.64                | 109.02       | -20.74       | 17.26                   | 2.00                  | 2.00                 | 0.00                |
| 1,000.00                         | 18.00           | 349.23      | 985.27                | 137.74       | -26.21       | 21.81                   | 2.00                  | 2.00                 | 0.00                |
| 1,100.00                         | 20.00           | 349.23      | 1,079.82              | 169.72       | -32.29       | 26.87                   | 2.00                  | 2.00                 | 0.00                |
| 1,200.00                         | 22.00           | 349.23      | 1,173.17              | 204.93       | -38.99       | 32.45                   | 2.00                  | 2.00                 | 0.00                |
| 1,300.00                         | 24.00           | 349.23      | 1,265.21              | 243.31       | -46.29       | 38.52                   | 2.00                  | 2.00                 | 0.00                |
| 1,400.00                         | 26.00           | 349.23      | 1,355.84              | 284.82       | -54.19       | 45.09                   | 2.00                  | 2.00                 | 0.00                |
| 1,500.00                         | 28.00           | 349.23      | 1,444.94              | 329.42       | -62.68       | 52.16                   | 2.00                  | 2.00                 | 0.00                |
| 1,600.00                         | 30.00           | 349.23      | 1,532.39              | 377.05       | -71.74       | 59.70                   | 2.00                  | 2.00                 | 0.00                |
| 1,643.71                         | 30.87           | 349.23      | 1,570.08              | 398.80       | -75.88       | 63.14                   | 2.00                  | 2.00                 | 0.00                |
| Start 5927.90 hold at 1643.71 MD |                 |             |                       |              |              |                         |                       |                      |                     |
| 1,700.00                         | 30.87           | 349.23      | 1,618.39              | 427.17       | -81.28       | 67.63                   | 0.00                  | 0.00                 | 0.00                |
| 1,800.00                         | 30.87           | 349.23      | 1,704.22              | 477.59       | -90.87       | 75.61                   | 0.00                  | 0.00                 | 0.00                |
| 1,900.00                         | 30.87           | 349.23      | 1,790.05              | 528.00       | -100.46      | 83.60                   | 0.00                  | 0.00                 | 0.00                |
| 2,000.00                         | 30.87           | 349.23      | 1,875.88              | 578.41       | -110.05      | 91.58                   | 0.00                  | 0.00                 | 0.00                |
| 2,100.00                         | 30.87           | 349.23      | 1,961.71              | 628.82       | -119.64      | 99.56                   | 0.00                  | 0.00                 | 0.00                |
| 2,200.00                         | 30.87           | 349.23      | 2,047.54              | 679.23       | -129.24      | 107.54                  | 0.00                  | 0.00                 | 0.00                |
| 2,300.00                         | 30.87           | 349.23      | 2,133.37              | 729.64       | -138.83      | 115.52                  | 0.00                  | 0.00                 | 0.00                |
| 2,400.00                         | 30.87           | 349.23      | 2,219.20              | 780.05       | -148.42      | 123.50                  | 0.00                  | 0.00                 | 0.00                |
| 2,500.00                         | 30.87           | 349.23      | 2,305.03              | 830.46       | -158.01      | 131.48                  | 0.00                  | 0.00                 | 0.00                |
| 2,600.00                         | 30.87           | 349.23      | 2,390.86              | 880.88       | -167.60      | 139.46                  | 0.00                  | 0.00                 | 0.00                |
| 2,700.00                         | 30.87           | 349.23      | 2,476.69              | 931.29       | -177.19      | 147.45                  | 0.00                  | 0.00                 | 0.00                |
| 2,800.00                         | 30.87           | 349.23      | 2,562.52              | 981.70       | -186.79      | 155.43                  | 0.00                  | 0.00                 | 0.00                |
| 2,900.00                         | 30.87           | 349.23      | 2,648.35              | 1,032.11     | -196.38      | 163.41                  | 0.00                  | 0.00                 | 0.00                |
| 3,000.00                         | 30.87           | 349.23      | 2,734.18              | 1,082.52     | -205.97      | 171.39                  | 0.00                  | 0.00                 | 0.00                |
| 3,100.00                         | 30.87           | 349.23      | 2,820.01              | 1,132.93     | -215.56      | 179.37                  | 0.00                  | 0.00                 | 0.00                |
| 3,200.00                         | 30.87           | 349.23      | 2,905.84              | 1,183.34     | -225.15      | 187.35                  | 0.00                  | 0.00                 | 0.00                |
| 3,300.00                         | 30.87           | 349.23      | 2,991.67              | 1,233.75     | -234.74      | 195.33                  | 0.00                  | 0.00                 | 0.00                |
| 3,400.00                         | 30.87           | 349.23      | 3,077.50              | 1,284.16     | -244.34      | 203.32                  | 0.00                  | 0.00                 | 0.00                |
| 3,500.00                         | 30.87           | 349.23      | 3,163.33              | 1,334.58     | -253.93      | 211.30                  | 0.00                  | 0.00                 | 0.00                |
| 3,600.00                         | 30.87           | 349.23      | 3,249.15              | 1,384.99     | -263.52      | 219.28                  | 0.00                  | 0.00                 | 0.00                |
| 3,700.00                         | 30.87           | 349.23      | 3,334.98              | 1,435.40     | -273.11      | 227.26                  | 0.00                  | 0.00                 | 0.00                |
| 3,800.00                         | 30.87           | 349.23      | 3,420.81              | 1,485.81     | -282.70      | 235.24                  | 0.00                  | 0.00                 | 0.00                |
| 3,900.00                         | 30.87           | 349.23      | 3,506.64              | 1,536.22     | -292.29      | 243.22                  | 0.00                  | 0.00                 | 0.00                |
| 4,000.00                         | 30.87           | 349.23      | 3,592.47              | 1,586.63     | -301.89      | 251.20                  | 0.00                  | 0.00                 | 0.00                |
| 4,100.00                         | 30.87           | 349.23      | 3,678.30              | 1,637.04     | -311.48      | 259.18                  | 0.00                  | 0.00                 | 0.00                |
| 4,200.00                         | 30.87           | 349.23      | 3,764.13              | 1,687.45     | -321.07      | 267.17                  | 0.00                  | 0.00                 | 0.00                |
| 4,300.00                         | 30.87           | 349.23      | 3,849.96              | 1,737.87     | -330.66      | 275.15                  | 0.00                  | 0.00                 | 0.00                |
| 4,400.00                         | 30.87           | 349.23      | 3,935.79              | 1,788.28     | -340.25      | 283.13                  | 0.00                  | 0.00                 | 0.00                |
| 4,500.00                         | 30.87           | 349.23      | 4,021.62              | 1,838.69     | -349.84      | 291.11                  | 0.00                  | 0.00                 | 0.00                |
| 4,600.00                         | 30.87           | 349.23      | 4,107.45              | 1,889.10     | -359.44      | 299.09                  | 0.00                  | 0.00                 | 0.00                |
| 4,700.00                         | 30.87           | 349.23      | 4,193.28              | 1,939.51     | -369.03      | 307.07                  | 0.00                  | 0.00                 | 0.00                |
| 4,800.00                         | 30.87           | 349.23      | 4,279.11              | 1,989.92     | -378.62      | 315.05                  | 0.00                  | 0.00                 | 0.00                |
| 4,900.00                         | 30.87           | 349.23      | 4,364.94              | 2,040.33     | -388.21      | 323.04                  | 0.00                  | 0.00                 | 0.00                |

## Survey Report

|                  |                                    |                                     |                            |
|------------------|------------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | BAYSWATER EXPLORATION & PRODUCTION | <b>Local Co-ordinate Reference:</b> | Well DEHAAN 6X-HC-16-07-65 |
| <b>Project:</b>  | WELD COUNTY                        | <b>TVD Reference:</b>               | KB 23' @ 4929.00usft       |
| <b>Site:</b>     | SEC 17-T7N-R65W                    | <b>MD Reference:</b>                | KB 23' @ 4929.00usft       |
| <b>Well:</b>     | DEHAAN 6X-HC-16-07-65              | <b>North Reference:</b>             | True                       |
| <b>Wellbore:</b> | OWB                                | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | PROPOSAL 1                         | <b>Database:</b>                    | EDM 5000.16 Single User Db |

| Planned Survey                   |                 |             |                       |              |              |                         |                       |                      |                     |  |
|----------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (usft)            | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 5,000.00                         | 30.87           | 349.23      | 4,450.77              | 2,090.74     | -397.80      | 331.02                  | 0.00                  | 0.00                 | 0.00                |  |
| 5,100.00                         | 30.87           | 349.23      | 4,536.60              | 2,141.16     | -407.39      | 339.00                  | 0.00                  | 0.00                 | 0.00                |  |
| 5,200.00                         | 30.87           | 349.23      | 4,622.43              | 2,191.57     | -416.99      | 346.98                  | 0.00                  | 0.00                 | 0.00                |  |
| 5,300.00                         | 30.87           | 349.23      | 4,708.26              | 2,241.98     | -426.58      | 354.96                  | 0.00                  | 0.00                 | 0.00                |  |
| 5,400.00                         | 30.87           | 349.23      | 4,794.09              | 2,292.39     | -436.17      | 362.94                  | 0.00                  | 0.00                 | 0.00                |  |
| 5,500.00                         | 30.87           | 349.23      | 4,879.92              | 2,342.80     | -445.76      | 370.92                  | 0.00                  | 0.00                 | 0.00                |  |
| 5,600.00                         | 30.87           | 349.23      | 4,965.75              | 2,393.21     | -455.35      | 378.91                  | 0.00                  | 0.00                 | 0.00                |  |
| 5,700.00                         | 30.87           | 349.23      | 5,051.58              | 2,443.62     | -464.94      | 386.89                  | 0.00                  | 0.00                 | 0.00                |  |
| 5,800.00                         | 30.87           | 349.23      | 5,137.40              | 2,494.03     | -474.54      | 394.87                  | 0.00                  | 0.00                 | 0.00                |  |
| 5,900.00                         | 30.87           | 349.23      | 5,223.23              | 2,544.44     | -484.13      | 402.85                  | 0.00                  | 0.00                 | 0.00                |  |
| 6,000.00                         | 30.87           | 349.23      | 5,309.06              | 2,594.86     | -493.72      | 410.83                  | 0.00                  | 0.00                 | 0.00                |  |
| 6,100.00                         | 30.87           | 349.23      | 5,394.89              | 2,645.27     | -503.31      | 418.81                  | 0.00                  | 0.00                 | 0.00                |  |
| 6,200.00                         | 30.87           | 349.23      | 5,480.72              | 2,695.68     | -512.90      | 426.79                  | 0.00                  | 0.00                 | 0.00                |  |
| 6,300.00                         | 30.87           | 349.23      | 5,566.55              | 2,746.09     | -522.49      | 434.77                  | 0.00                  | 0.00                 | 0.00                |  |
| 6,400.00                         | 30.87           | 349.23      | 5,652.38              | 2,796.50     | -532.09      | 442.76                  | 0.00                  | 0.00                 | 0.00                |  |
| 6,500.00                         | 30.87           | 349.23      | 5,738.21              | 2,846.91     | -541.68      | 450.74                  | 0.00                  | 0.00                 | 0.00                |  |
| 6,600.00                         | 30.87           | 349.23      | 5,824.04              | 2,897.32     | -551.27      | 458.72                  | 0.00                  | 0.00                 | 0.00                |  |
| 6,700.00                         | 30.87           | 349.23      | 5,909.87              | 2,947.73     | -560.86      | 466.70                  | 0.00                  | 0.00                 | 0.00                |  |
| 6,800.00                         | 30.87           | 349.23      | 5,995.70              | 2,998.15     | -570.45      | 474.68                  | 0.00                  | 0.00                 | 0.00                |  |
| 6,900.00                         | 30.87           | 349.23      | 6,081.53              | 3,048.56     | -580.05      | 482.66                  | 0.00                  | 0.00                 | 0.00                |  |
| 7,000.00                         | 30.87           | 349.23      | 6,167.36              | 3,098.97     | -589.64      | 490.64                  | 0.00                  | 0.00                 | 0.00                |  |
| 7,100.00                         | 30.87           | 349.23      | 6,253.19              | 3,149.38     | -599.23      | 498.63                  | 0.00                  | 0.00                 | 0.00                |  |
| 7,200.00                         | 30.87           | 349.23      | 6,339.02              | 3,199.79     | -608.82      | 506.61                  | 0.00                  | 0.00                 | 0.00                |  |
| 7,300.00                         | 30.87           | 349.23      | 6,424.85              | 3,250.20     | -618.41      | 514.59                  | 0.00                  | 0.00                 | 0.00                |  |
| 7,400.00                         | 30.87           | 349.23      | 6,510.68              | 3,300.61     | -628.00      | 522.57                  | 0.00                  | 0.00                 | 0.00                |  |
| 7,500.00                         | 30.87           | 349.23      | 6,596.51              | 3,351.02     | -637.60      | 530.55                  | 0.00                  | 0.00                 | 0.00                |  |
| 7,571.61                         | 30.87           | 349.23      | 6,657.97              | 3,387.13     | -644.46      | 536.27                  | 0.00                  | 0.00                 | 0.00                |  |
| Start DLS 10.00 TFO 100.64       |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 7,600.00                         | 30.47           | 354.74      | 6,682.39              | 3,401.45     | -646.49      | 539.20                  | 10.00                 | -1.44                | 19.41               |  |
| 7,700.00                         | 30.92           | 14.38       | 6,768.60              | 3,451.71     | -642.42      | 559.98                  | 10.00                 | 0.45                 | 19.64               |  |
| 7,800.00                         | 34.13           | 32.06       | 6,853.10              | 3,500.49     | -621.10      | 596.52                  | 10.00                 | 3.21                 | 17.68               |  |
| 7,900.00                         | 39.42           | 46.29       | 6,933.32              | 3,546.32     | -583.16      | 647.70                  | 10.00                 | 5.29                 | 14.23               |  |
| 8,000.00                         | 46.07           | 57.33       | 7,006.82              | 3,587.80     | -529.75      | 711.96                  | 10.00                 | 6.65                 | 11.04               |  |
| 8,100.00                         | 53.56           | 66.03       | 7,071.37              | 3,623.67     | -462.51      | 787.36                  | 10.00                 | 7.49                 | 8.69                |  |
| 8,200.00                         | 61.57           | 73.14       | 7,125.01              | 3,652.85     | -383.48      | 871.61                  | 10.00                 | 8.01                 | 7.11                |  |
| 8,300.00                         | 69.89           | 79.23       | 7,166.11              | 3,674.43     | -295.05      | 962.13                  | 10.00                 | 8.32                 | 6.09                |  |
| 8,400.00                         | 78.41           | 84.69       | 7,193.41              | 3,687.78     | -199.91      | 1,056.19                | 10.00                 | 8.51                 | 5.46                |  |
| 8,500.00                         | 87.01           | 89.82       | 7,206.10              | 3,692.48     | -100.96      | 1,150.93                | 10.00                 | 8.61                 | 5.14                |  |
| 8,534.59                         | 90.00           | 91.57       | 7,207.00              | 3,692.05     | -66.39       | 1,183.33                | 10.00                 | 8.63                 | 5.05                |  |
| Start 9633.06 hold at 8534.59 MD |                 |             |                       |              |              |                         |                       |                      |                     |  |
| 8,600.00                         | 90.00           | 91.57       | 7,207.00              | 3,690.26     | -1.01        | 1,244.27                | 0.00                  | 0.00                 | 0.00                |  |
| 8,700.00                         | 90.00           | 91.57       | 7,207.00              | 3,687.52     | 98.96        | 1,337.45                | 0.00                  | 0.00                 | 0.00                |  |
| 8,800.00                         | 90.00           | 91.57       | 7,207.00              | 3,684.78     | 198.92       | 1,430.62                | 0.00                  | 0.00                 | 0.00                |  |
| 8,900.00                         | 90.00           | 91.57       | 7,207.00              | 3,682.04     | 298.88       | 1,523.80                | 0.00                  | 0.00                 | 0.00                |  |

## Survey Report

|                  |                                    |                                     |                            |
|------------------|------------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | BAYSWATER EXPLORATION & PRODUCTION | <b>Local Co-ordinate Reference:</b> | Well DEHAAN 6X-HC-16-07-65 |
| <b>Project:</b>  | WELD COUNTY                        | <b>TVD Reference:</b>               | KB 23' @ 4929.00usft       |
| <b>Site:</b>     | SEC 17-T7N-R65W                    | <b>MD Reference:</b>                | KB 23' @ 4929.00usft       |
| <b>Well:</b>     | DEHAAN 6X-HC-16-07-65              | <b>North Reference:</b>             | True                       |
| <b>Wellbore:</b> | OWB                                | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | PROPOSAL 1                         | <b>Database:</b>                    | EDM 5000.16 Single User Db |

| Planned Survey        |                 |             |                       |              |              |                         |                       |                      |                     |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 9,000.00              | 90.00           | 91.57       | 7,207.00              | 3,679.29     | 398.84       | 1,616.97                | 0.00                  | 0.00                 | 0.00                |
| 9,100.00              | 90.00           | 91.57       | 7,207.00              | 3,676.55     | 498.81       | 1,710.15                | 0.00                  | 0.00                 | 0.00                |
| 9,200.00              | 90.00           | 91.57       | 7,207.00              | 3,673.81     | 598.77       | 1,803.32                | 0.00                  | 0.00                 | 0.00                |
| 9,300.00              | 90.00           | 91.57       | 7,207.00              | 3,671.07     | 698.73       | 1,896.49                | 0.00                  | 0.00                 | 0.00                |
| 9,400.00              | 90.00           | 91.57       | 7,207.00              | 3,668.33     | 798.69       | 1,989.67                | 0.00                  | 0.00                 | 0.00                |
| 9,500.00              | 90.00           | 91.57       | 7,207.00              | 3,665.59     | 898.66       | 2,082.84                | 0.00                  | 0.00                 | 0.00                |
| 9,600.00              | 90.00           | 91.57       | 7,207.00              | 3,662.85     | 998.62       | 2,176.02                | 0.00                  | 0.00                 | 0.00                |
| 9,700.00              | 90.00           | 91.57       | 7,207.00              | 3,660.10     | 1,098.58     | 2,269.19                | 0.00                  | 0.00                 | 0.00                |
| 9,800.00              | 90.00           | 91.57       | 7,207.00              | 3,657.36     | 1,198.54     | 2,362.37                | 0.00                  | 0.00                 | 0.00                |
| 9,900.00              | 90.00           | 91.57       | 7,207.00              | 3,654.62     | 1,298.51     | 2,455.54                | 0.00                  | 0.00                 | 0.00                |
| 10,000.00             | 90.00           | 91.57       | 7,207.00              | 3,651.88     | 1,398.47     | 2,548.72                | 0.00                  | 0.00                 | 0.00                |
| 10,100.00             | 90.00           | 91.57       | 7,207.00              | 3,649.14     | 1,498.43     | 2,641.89                | 0.00                  | 0.00                 | 0.00                |
| 10,200.00             | 90.00           | 91.57       | 7,207.00              | 3,646.40     | 1,598.39     | 2,735.06                | 0.00                  | 0.00                 | 0.00                |
| 10,300.00             | 90.00           | 91.57       | 7,207.00              | 3,643.65     | 1,698.36     | 2,828.24                | 0.00                  | 0.00                 | 0.00                |
| 10,400.00             | 90.00           | 91.57       | 7,207.00              | 3,640.91     | 1,798.32     | 2,921.41                | 0.00                  | 0.00                 | 0.00                |
| 10,500.00             | 90.00           | 91.57       | 7,207.00              | 3,638.17     | 1,898.28     | 3,014.59                | 0.00                  | 0.00                 | 0.00                |
| 10,600.00             | 90.00           | 91.57       | 7,207.00              | 3,635.43     | 1,998.24     | 3,107.76                | 0.00                  | 0.00                 | 0.00                |
| 10,700.00             | 90.00           | 91.57       | 7,207.00              | 3,632.69     | 2,098.21     | 3,200.94                | 0.00                  | 0.00                 | 0.00                |
| 10,800.00             | 90.00           | 91.57       | 7,207.00              | 3,629.95     | 2,198.17     | 3,294.11                | 0.00                  | 0.00                 | 0.00                |
| 10,900.00             | 90.00           | 91.57       | 7,207.00              | 3,627.20     | 2,298.13     | 3,387.29                | 0.00                  | 0.00                 | 0.00                |
| 11,000.00             | 90.00           | 91.57       | 7,207.00              | 3,624.46     | 2,398.09     | 3,480.46                | 0.00                  | 0.00                 | 0.00                |
| 11,100.00             | 90.00           | 91.57       | 7,207.00              | 3,621.72     | 2,498.05     | 3,573.63                | 0.00                  | 0.00                 | 0.00                |
| 11,200.00             | 90.00           | 91.57       | 7,207.00              | 3,618.98     | 2,598.02     | 3,666.81                | 0.00                  | 0.00                 | 0.00                |
| 11,300.00             | 90.00           | 91.57       | 7,207.00              | 3,616.24     | 2,697.98     | 3,759.98                | 0.00                  | 0.00                 | 0.00                |
| 11,400.00             | 90.00           | 91.57       | 7,207.00              | 3,613.50     | 2,797.94     | 3,853.16                | 0.00                  | 0.00                 | 0.00                |
| 11,500.00             | 90.00           | 91.57       | 7,207.00              | 3,610.75     | 2,897.90     | 3,946.33                | 0.00                  | 0.00                 | 0.00                |
| 11,600.00             | 90.00           | 91.57       | 7,207.00              | 3,608.01     | 2,997.87     | 4,039.51                | 0.00                  | 0.00                 | 0.00                |
| 11,700.00             | 90.00           | 91.57       | 7,207.00              | 3,605.27     | 3,097.83     | 4,132.68                | 0.00                  | 0.00                 | 0.00                |
| 11,800.00             | 90.00           | 91.57       | 7,207.00              | 3,602.53     | 3,197.79     | 4,225.86                | 0.00                  | 0.00                 | 0.00                |
| 11,900.00             | 90.00           | 91.57       | 7,207.00              | 3,599.79     | 3,297.75     | 4,319.03                | 0.00                  | 0.00                 | 0.00                |
| 12,000.00             | 90.00           | 91.57       | 7,207.00              | 3,597.05     | 3,397.72     | 4,412.20                | 0.00                  | 0.00                 | 0.00                |
| 12,100.00             | 90.00           | 91.57       | 7,207.00              | 3,594.31     | 3,497.68     | 4,505.38                | 0.00                  | 0.00                 | 0.00                |
| 12,200.00             | 90.00           | 91.57       | 7,207.00              | 3,591.56     | 3,597.64     | 4,598.55                | 0.00                  | 0.00                 | 0.00                |
| 12,300.00             | 90.00           | 91.57       | 7,207.00              | 3,588.82     | 3,697.60     | 4,691.73                | 0.00                  | 0.00                 | 0.00                |
| 12,400.00             | 90.00           | 91.57       | 7,207.00              | 3,586.08     | 3,797.57     | 4,784.90                | 0.00                  | 0.00                 | 0.00                |
| 12,500.00             | 90.00           | 91.57       | 7,207.00              | 3,583.34     | 3,897.53     | 4,878.08                | 0.00                  | 0.00                 | 0.00                |
| 12,600.00             | 90.00           | 91.57       | 7,207.00              | 3,580.60     | 3,997.49     | 4,971.25                | 0.00                  | 0.00                 | 0.00                |
| 12,700.00             | 90.00           | 91.57       | 7,207.00              | 3,577.86     | 4,097.45     | 5,064.43                | 0.00                  | 0.00                 | 0.00                |
| 12,800.00             | 90.00           | 91.57       | 7,207.00              | 3,575.11     | 4,197.42     | 5,157.60                | 0.00                  | 0.00                 | 0.00                |
| 12,900.00             | 90.00           | 91.57       | 7,207.00              | 3,572.37     | 4,297.38     | 5,250.77                | 0.00                  | 0.00                 | 0.00                |
| 13,000.00             | 90.00           | 91.57       | 7,207.00              | 3,569.63     | 4,397.34     | 5,343.95                | 0.00                  | 0.00                 | 0.00                |
| 13,100.00             | 90.00           | 91.57       | 7,207.00              | 3,566.89     | 4,497.30     | 5,437.12                | 0.00                  | 0.00                 | 0.00                |
| 13,200.00             | 90.00           | 91.57       | 7,207.00              | 3,564.15     | 4,597.27     | 5,530.30                | 0.00                  | 0.00                 | 0.00                |

## Survey Report

|                  |                                    |                                     |                            |
|------------------|------------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | BAYSWATER EXPLORATION & PRODUCTION | <b>Local Co-ordinate Reference:</b> | Well DEHAAN 6X-HC-16-07-65 |
| <b>Project:</b>  | WELD COUNTY                        | <b>TVD Reference:</b>               | KB 23' @ 4929.00usft       |
| <b>Site:</b>     | SEC 17-T7N-R65W                    | <b>MD Reference:</b>                | KB 23' @ 4929.00usft       |
| <b>Well:</b>     | DEHAAN 6X-HC-16-07-65              | <b>North Reference:</b>             | True                       |
| <b>Wellbore:</b> | OWB                                | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | PROPOSAL 1                         | <b>Database:</b>                    | EDM 5000.16 Single User Db |

| Planned Survey        |                 |             |                       |              |              |                         |                       |                      |                     |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 13,300.00             | 90.00           | 91.57       | 7,207.00              | 3,561.41     | 4,697.23     | 5,623.47                | 0.00                  | 0.00                 | 0.00                |  |
| 13,400.00             | 90.00           | 91.57       | 7,207.00              | 3,558.66     | 4,797.19     | 5,716.65                | 0.00                  | 0.00                 | 0.00                |  |
| 13,500.00             | 90.00           | 91.57       | 7,207.00              | 3,555.92     | 4,897.15     | 5,809.82                | 0.00                  | 0.00                 | 0.00                |  |
| 13,600.00             | 90.00           | 91.57       | 7,207.00              | 3,553.18     | 4,997.12     | 5,902.99                | 0.00                  | 0.00                 | 0.00                |  |
| 13,700.00             | 90.00           | 91.57       | 7,207.00              | 3,550.44     | 5,097.08     | 5,996.17                | 0.00                  | 0.00                 | 0.00                |  |
| 13,800.00             | 90.00           | 91.57       | 7,207.00              | 3,547.70     | 5,197.04     | 6,089.34                | 0.00                  | 0.00                 | 0.00                |  |
| 13,900.00             | 90.00           | 91.57       | 7,207.00              | 3,544.96     | 5,297.00     | 6,182.52                | 0.00                  | 0.00                 | 0.00                |  |
| 14,000.00             | 90.00           | 91.57       | 7,207.00              | 3,542.21     | 5,396.96     | 6,275.69                | 0.00                  | 0.00                 | 0.00                |  |
| 14,100.00             | 90.00           | 91.57       | 7,207.00              | 3,539.47     | 5,496.93     | 6,368.87                | 0.00                  | 0.00                 | 0.00                |  |
| 14,200.00             | 90.00           | 91.57       | 7,207.00              | 3,536.73     | 5,596.89     | 6,462.04                | 0.00                  | 0.00                 | 0.00                |  |
| 14,300.00             | 90.00           | 91.57       | 7,207.00              | 3,533.99     | 5,696.85     | 6,555.22                | 0.00                  | 0.00                 | 0.00                |  |
| 14,400.00             | 90.00           | 91.57       | 7,207.00              | 3,531.25     | 5,796.81     | 6,648.39                | 0.00                  | 0.00                 | 0.00                |  |
| 14,500.00             | 90.00           | 91.57       | 7,207.00              | 3,528.51     | 5,896.78     | 6,741.56                | 0.00                  | 0.00                 | 0.00                |  |
| 14,600.00             | 90.00           | 91.57       | 7,207.00              | 3,525.77     | 5,996.74     | 6,834.74                | 0.00                  | 0.00                 | 0.00                |  |
| 14,700.00             | 90.00           | 91.57       | 7,207.00              | 3,523.02     | 6,096.70     | 6,927.91                | 0.00                  | 0.00                 | 0.00                |  |
| 14,800.00             | 90.00           | 91.57       | 7,207.00              | 3,520.28     | 6,196.66     | 7,021.09                | 0.00                  | 0.00                 | 0.00                |  |
| 14,900.00             | 90.00           | 91.57       | 7,207.00              | 3,517.54     | 6,296.63     | 7,114.26                | 0.00                  | 0.00                 | 0.00                |  |
| 15,000.00             | 90.00           | 91.57       | 7,207.00              | 3,514.80     | 6,396.59     | 7,207.44                | 0.00                  | 0.00                 | 0.00                |  |
| 15,100.00             | 90.00           | 91.57       | 7,207.00              | 3,512.06     | 6,496.55     | 7,300.61                | 0.00                  | 0.00                 | 0.00                |  |
| 15,200.00             | 90.00           | 91.57       | 7,207.00              | 3,509.32     | 6,596.51     | 7,393.79                | 0.00                  | 0.00                 | 0.00                |  |
| 15,300.00             | 90.00           | 91.57       | 7,207.00              | 3,506.57     | 6,696.48     | 7,486.96                | 0.00                  | 0.00                 | 0.00                |  |
| 15,400.00             | 90.00           | 91.57       | 7,207.00              | 3,503.83     | 6,796.44     | 7,580.13                | 0.00                  | 0.00                 | 0.00                |  |
| 15,500.00             | 90.00           | 91.57       | 7,207.00              | 3,501.09     | 6,896.40     | 7,673.31                | 0.00                  | 0.00                 | 0.00                |  |
| 15,600.00             | 90.00           | 91.57       | 7,207.00              | 3,498.35     | 6,996.36     | 7,766.48                | 0.00                  | 0.00                 | 0.00                |  |
| 15,700.00             | 90.00           | 91.57       | 7,207.00              | 3,495.61     | 7,096.33     | 7,859.66                | 0.00                  | 0.00                 | 0.00                |  |
| 15,800.00             | 90.00           | 91.57       | 7,207.00              | 3,492.87     | 7,196.29     | 7,952.83                | 0.00                  | 0.00                 | 0.00                |  |
| 15,900.00             | 90.00           | 91.57       | 7,207.00              | 3,490.12     | 7,296.25     | 8,046.01                | 0.00                  | 0.00                 | 0.00                |  |
| 16,000.00             | 90.00           | 91.57       | 7,207.00              | 3,487.38     | 7,396.21     | 8,139.18                | 0.00                  | 0.00                 | 0.00                |  |
| 16,100.00             | 90.00           | 91.57       | 7,207.00              | 3,484.64     | 7,496.18     | 8,232.36                | 0.00                  | 0.00                 | 0.00                |  |
| 16,200.00             | 90.00           | 91.57       | 7,207.00              | 3,481.90     | 7,596.14     | 8,325.53                | 0.00                  | 0.00                 | 0.00                |  |
| 16,300.00             | 90.00           | 91.57       | 7,207.00              | 3,479.16     | 7,696.10     | 8,418.70                | 0.00                  | 0.00                 | 0.00                |  |
| 16,400.00             | 90.00           | 91.57       | 7,207.00              | 3,476.42     | 7,796.06     | 8,511.88                | 0.00                  | 0.00                 | 0.00                |  |
| 16,500.00             | 90.00           | 91.57       | 7,207.00              | 3,473.67     | 7,896.03     | 8,605.05                | 0.00                  | 0.00                 | 0.00                |  |
| 16,600.00             | 90.00           | 91.57       | 7,207.00              | 3,470.93     | 7,995.99     | 8,698.23                | 0.00                  | 0.00                 | 0.00                |  |
| 16,700.00             | 90.00           | 91.57       | 7,207.00              | 3,468.19     | 8,095.95     | 8,791.40                | 0.00                  | 0.00                 | 0.00                |  |
| 16,800.00             | 90.00           | 91.57       | 7,207.00              | 3,465.45     | 8,195.91     | 8,884.58                | 0.00                  | 0.00                 | 0.00                |  |
| 16,900.00             | 90.00           | 91.57       | 7,207.00              | 3,462.71     | 8,295.87     | 8,977.75                | 0.00                  | 0.00                 | 0.00                |  |
| 17,000.00             | 90.00           | 91.57       | 7,207.00              | 3,459.97     | 8,395.84     | 9,070.93                | 0.00                  | 0.00                 | 0.00                |  |
| 17,100.00             | 90.00           | 91.57       | 7,207.00              | 3,457.23     | 8,495.80     | 9,164.10                | 0.00                  | 0.00                 | 0.00                |  |
| 17,200.00             | 90.00           | 91.57       | 7,207.00              | 3,454.48     | 8,595.76     | 9,257.27                | 0.00                  | 0.00                 | 0.00                |  |
| 17,300.00             | 90.00           | 91.57       | 7,207.00              | 3,451.74     | 8,695.72     | 9,350.45                | 0.00                  | 0.00                 | 0.00                |  |
| 17,400.00             | 90.00           | 91.57       | 7,207.00              | 3,449.00     | 8,795.69     | 9,443.62                | 0.00                  | 0.00                 | 0.00                |  |
| 17,500.00             | 90.00           | 91.57       | 7,207.00              | 3,446.26     | 8,895.65     | 9,536.80                | 0.00                  | 0.00                 | 0.00                |  |
| 17,600.00             | 90.00           | 91.57       | 7,207.00              | 3,443.52     | 8,995.61     | 9,629.97                | 0.00                  | 0.00                 | 0.00                |  |

## Survey Report

|                  |                                    |                                     |                            |
|------------------|------------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | BAYSWATER EXPLORATION & PRODUCTION | <b>Local Co-ordinate Reference:</b> | Well DEHAAN 6X-HC-16-07-65 |
| <b>Project:</b>  | WELD COUNTY                        | <b>TVD Reference:</b>               | KB 23' @ 4929.00usft       |
| <b>Site:</b>     | SEC 17-T7N-R65W                    | <b>MD Reference:</b>                | KB 23' @ 4929.00usft       |
| <b>Well:</b>     | DEHAAN 6X-HC-16-07-65              | <b>North Reference:</b>             | True                       |
| <b>Wellbore:</b> | OWB                                | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | PROPOSAL 1                         | <b>Database:</b>                    | EDM 5000.16 Single User Db |

| Planned Survey        |                 |             |                       |              |              |                         |                       |                      |                     |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-----------------------|----------------------|---------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 17,700.00             | 90.00           | 91.57       | 7,207.00              | 3,440.78     | 9,095.57     | 9,723.15                | 0.00                  | 0.00                 | 0.00                |
| 17,800.00             | 90.00           | 91.57       | 7,207.00              | 3,438.03     | 9,195.54     | 9,816.32                | 0.00                  | 0.00                 | 0.00                |
| 17,900.00             | 90.00           | 91.57       | 7,207.00              | 3,435.29     | 9,295.50     | 9,909.49                | 0.00                  | 0.00                 | 0.00                |
| 18,000.00             | 90.00           | 91.57       | 7,207.00              | 3,432.55     | 9,395.46     | 10,002.67               | 0.00                  | 0.00                 | 0.00                |
| 18,100.00             | 90.00           | 91.57       | 7,207.00              | 3,429.81     | 9,495.42     | 10,095.84               | 0.00                  | 0.00                 | 0.00                |
| 18,167.66             | 90.00           | 91.57       | 7,207.00              | 3,427.95     | 9,563.05     | 10,158.88               | 0.00                  | 0.00                 | 0.00                |
| TD at 18167.66        |                 |             |                       |              |              |                         |                       |                      |                     |

| Design Targets  |               |              |            |              |              |                 |                |             |              |
|---|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-------------|--------------|
| Target Name<br>- hit/miss target<br>- Shape               | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude    | Longitude    |
| PBHL-DEHAAN 6X-HC<br>- plan hits target center<br>- Point | 0.00          | 0.00         | 7,207.00   | 3,427.95     | 9,563.05     | 1,455,310.05    | 3,233,296.71   | 40.580192°N | 104.660096°W |
| LP-DEHAAN 6X-HC<br>- plan hits target center<br>- Point   | 0.00          | 0.00         | 7,207.00   | 3,692.05     | -66.39       | 1,455,486.67    | 3,223,665.53   | 40.580922°N | 104.694762°W |

| Plan Annotations      |                       |                   |              |                                  |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                          |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                  |
| 100                   | 100                   | 0                 | 0            | Start Build 2.00                 |
| 1644                  | 1570                  | 399               | -76          | Start 5927.90 hold at 1643.71 MD |
| 7572                  | 6658                  | 3387              | -644         | Start DLS 10.00 TFO 100.64       |
| 8535                  | 7207                  | 3692              | -66          | Start 9633.06 hold at 8534.59 MD |
| 18,168                | 7207                  | 3428              | 9563         | TD at 18167.66                   |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_