

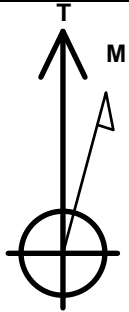
Magpie Operating, Inc.

Well Name: **Bunker 8-6H**

Surface Location: Bunker 8 Well Pad Sec.29-T5N-R68W
 North American Datum 1983 , US State Plane 1983, Colorado Northern Zone
 Ground Elevation: 4987.0
 +N/-S/E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0377848.10130397.81 40.369650 -105.032010
 Original Well Elev WELL @ 5003.0ft (Original Well Elev)

WELLBORE TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Shape |
|--------------------------------|--------|-------|---------|-------|
| SHL 2210'FSL, 2275'FWL, SEC.29 | 1.0 | 0.0 | 0.0 | Point |
| BHL 2570'FSL, 1469'FWL, SEC.30 | 4370.0 | 463.4 | -6102.3 | Point |
| LPL 2566'FSL, 658'FEL, SEC.29 | 4500.0 | 433.6 | 2304.4 | Point |



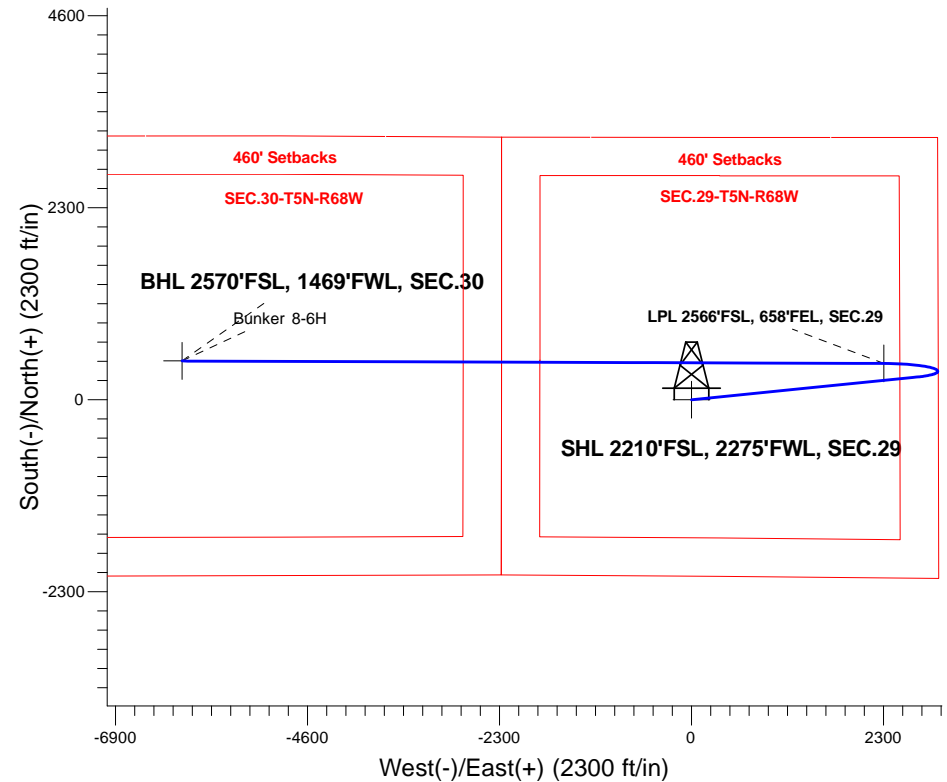
Azimuths to True North
 Magnetic North: 8.37°

Magnetic Field
 Strength: 52206.0snT
 Dip Angle: 66.62°
 Date: 12/7/2018
 Model: HDGM

Bunker 8 Well Pad Sec.29-T5N-R68W
 Bunker 8-6H
 Plan #2 (12-06-18)
 9:58, December 07 2018

ANNOTATIONS

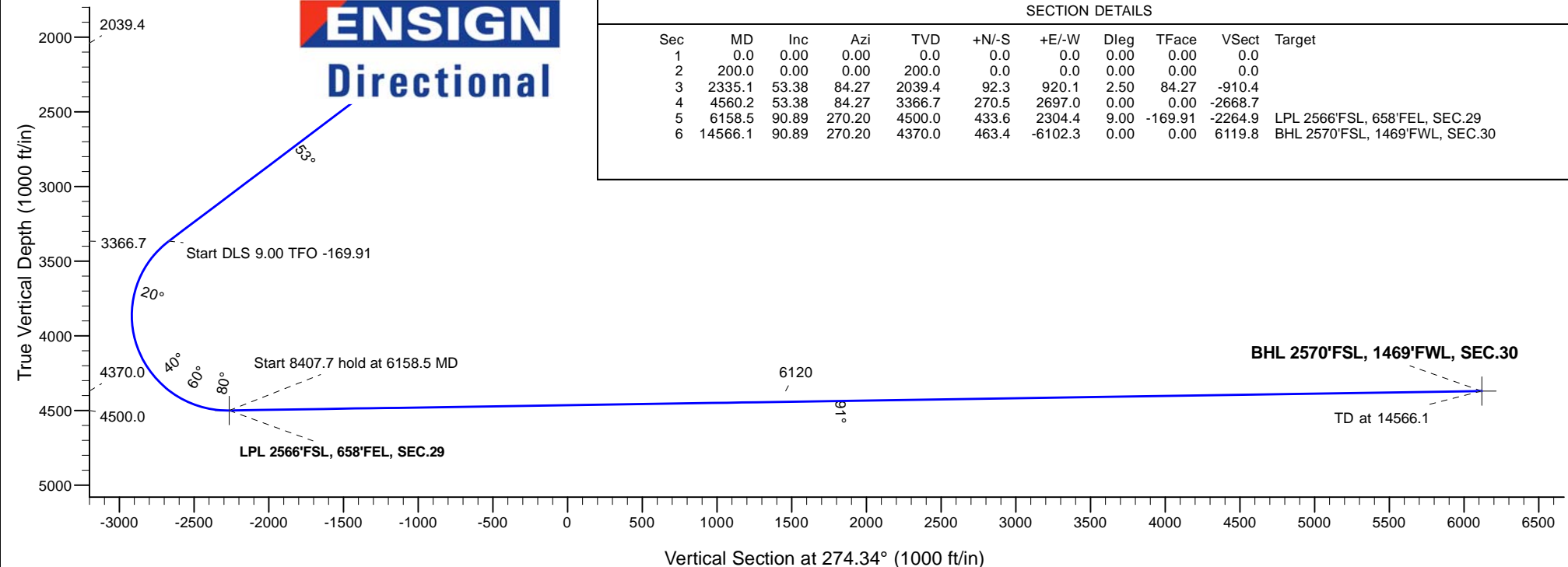
| TVD | MD | Annotation |
|--------|---------|--------------------------------|
| 200.0 | 200.0 | KOP - Start Build 2.50 |
| 2039.4 | 2335.1 | Start 2225.1 hold at 2335.1 MD |
| 3366.7 | 4560.2 | Start DLS 9.00 TFO -169.91 |
| 4500.0 | 6158.5 | Start 8407.7 hold at 6158.5 MD |
| 4370.0 | 14566.1 | TD at 14566.1 |



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 | 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 2335.1 | 53.38 | 84.27 | 2039.4 | 92.3 | 920.1 | 2.50 | 84.27 | -910.4 | |
| 4 | 4560.2 | 53.38 | 84.27 | 3366.7 | 270.5 | 2697.0 | 0.00 | 0.00 | -2668.7 | |
| 5 | 6158.5 | 90.89 | 270.20 | 4500.0 | 433.6 | 2304.4 | 9.00 | -169.91 | -2264.9 | LPL 2566'FSL, 658'FEL, SEC.29 |
| 6 | 14566.1 | 90.89 | 270.20 | 4370.0 | 463.4 | -6102.3 | 0.00 | 0.00 | 6119.8 | BHL 2570'FSL, 1469'FWL, SEC.30 |





Magpie Operating, Inc.

SEC.29-T5N-R68W

Bunker 8 Well Pad Sec.29-T5N-R68W

Bunker 8-6H

Wellbore #1

Plan: Plan #2 (12-06-18)

Standard Planning Report

07 December, 2018

| | | | |
|------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Company: | Magpie Operating, Inc. | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Project: | SEC.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | North Reference: | True |
| Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #2 (12-06-18) | | |

| | | | |
|--------------------|-------------------------------------|----------------------|-----------------------------|
| Project | SEC.29-T5N-R68W, Laramie County, CO | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | Using Well Reference Point |
| Map Zone: | Colorado Northern Zone | | Using geodetic scale factor |

| | | | | | |
|------------------------------|-----------------------------------|---------------------|-------------------|--------------------------|-------------|
| Site | Bunker 8 Well Pad Sec.29-T5N-R68W | | | | |
| Site Position: | | Northing: | 1,377,695.11 usft | Latitude: | 40.369230 |
| From: | Lat/Long | Easting: | 3,130,398.62 usft | Longitude: | -105.032010 |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13-3/16 " | Grid Convergence: | 0.30 |

| | | | | | | |
|----------------------|-------------|----------|---------------------|-------------------|---------------|-------------|
| Well | Bunker 8-6H | | | | | |
| Well Position | +N/-S | 153.0 ft | Northing: | 1,377,848.10 usft | Latitude: | 40.369650 |
| | +E/-W | 0.0 ft | Easting: | 3,130,397.81 usft | Longitude: | -105.032010 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | 0.0 ft | Ground Level: | 4,987.0 ft |

| | | | | | |
|-------------|------------|-------------|-----------------|---------------|---------------------|
| Wellbore #1 | | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 12/7/2018 | 8.37 | 66.62 | 52,206 |

| | | | | |
|-------------------|--------------------------|---------------|---------------|------------------|
| Design | Plan #2 (12-06-18) | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.0 | 0.0 | 0.0 | 274.34 |

| Plan Sections | | | | | | | | | | |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|-------------------------------|------------------------------|-----------------------------|------------|----------------------|
| 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 | |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,335.1 | 53.38 | 84.27 | 2,039.4 | 92.3 | 920.1 | 2.50 | 2.50 | 0.00 | 84.27 | |
| 4,560.2 | 53.38 | 84.27 | 3,366.7 | 270.5 | 2,697.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,158.5 | 90.89 | 270.20 | 4,500.0 | 433.6 | 2,304.4 | 9.00 | 2.35 | -10.89 | -169.91 | LPL 2566°FSL, 658°F |
| 14,566.1 | 90.89 | 270.20 | 4,370.0 | 463.4 | -6,102.3 | 0.00 | 0.00 | 0.00 | 0.00 | BHL 2570°FSL, 1469°F |

| | | | |
|-----------|-----------------------------------|------------------------------|--------------------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Company: | Magpie Operating, Inc. | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Project: | SEC.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | North Reference: | True |
| Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #2 (12-06-18) | | |

| 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 |
| 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 |
| KOP - Start Build 2.50 | | | | | | | | | |
| 300.0 | 2.50 | 84.27 | 300.0 | 0.2 | 2.2 | -2.1 | 2.50 | 2.50 | 0.00 |
| 400.0 | 5.00 | 84.27 | 399.7 | 0.9 | 8.7 | -8.6 | 2.50 | 2.50 | 0.00 |
| 500.0 | 7.50 | 84.27 | 499.1 | 2.0 | 19.5 | -19.3 | 2.50 | 2.50 | 0.00 |
| 600.0 | 10.00 | 84.27 | 598.0 | 3.5 | 34.6 | -34.3 | 2.50 | 2.50 | 0.00 |
| 700.0 | 12.50 | 84.27 | 696.0 | 5.4 | 54.1 | -53.5 | 2.50 | 2.50 | 0.00 |
| 800.0 | 15.00 | 84.27 | 793.2 | 7.8 | 77.7 | -76.9 | 2.50 | 2.50 | 0.00 |
| 900.0 | 17.50 | 84.27 | 889.2 | 10.6 | 105.5 | -104.4 | 2.50 | 2.50 | 0.00 |
| 1,000.0 | 20.00 | 84.27 | 983.9 | 13.8 | 137.5 | -136.1 | 2.50 | 2.50 | 0.00 |
| 1,100.0 | 22.50 | 84.27 | 1,077.0 | 17.4 | 173.6 | -171.8 | 2.50 | 2.50 | 0.00 |
| 1,200.0 | 25.00 | 84.27 | 1,168.6 | 21.4 | 213.7 | -211.4 | 2.50 | 2.50 | 0.00 |
| 1,300.0 | 27.50 | 84.27 | 1,258.3 | 25.8 | 257.7 | -255.0 | 2.50 | 2.50 | 0.00 |
| 1,400.0 | 30.00 | 84.27 | 1,345.9 | 30.6 | 305.5 | -302.3 | 2.50 | 2.50 | 0.00 |
| 1,500.0 | 32.50 | 84.27 | 1,431.4 | 35.8 | 357.1 | -353.4 | 2.50 | 2.50 | 0.00 |
| 1,600.0 | 35.00 | 84.27 | 1,514.5 | 41.4 | 412.4 | -408.1 | 2.50 | 2.50 | 0.00 |
| 1,700.0 | 37.50 | 84.27 | 1,595.2 | 47.3 | 471.2 | -466.3 | 2.50 | 2.50 | 0.00 |
| 1,800.0 | 40.00 | 84.27 | 1,673.2 | 53.5 | 533.5 | -527.9 | 2.50 | 2.50 | 0.00 |
| 1,900.0 | 42.50 | 84.27 | 1,748.3 | 60.1 | 599.1 | -592.8 | 2.50 | 2.50 | 0.00 |
| 2,000.0 | 45.00 | 84.27 | 1,820.6 | 67.0 | 667.9 | -660.9 | 2.50 | 2.50 | 0.00 |
| 2,100.0 | 47.50 | 84.27 | 1,889.7 | 74.2 | 739.8 | -732.0 | 2.50 | 2.50 | 0.00 |
| 2,200.0 | 50.00 | 84.27 | 1,955.6 | 81.7 | 814.6 | -806.1 | 2.50 | 2.50 | 0.00 |
| 2,300.0 | 52.50 | 84.27 | 2,018.2 | 89.5 | 892.2 | -882.8 | 2.50 | 2.50 | 0.00 |
| 2,335.1 | 53.38 | 84.27 | 2,039.4 | 92.3 | 920.1 | -910.4 | 2.50 | 2.50 | 0.00 |
| Start 2225.1 hold at 2335.1 MD | | | | | | | | | |
| 2,400.0 | 53.38 | 84.27 | 2,078.1 | 97.5 | 971.9 | -961.7 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 53.38 | 84.27 | 2,137.8 | 105.5 | 1,051.7 | -1,040.7 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 53.38 | 84.27 | 2,197.4 | 113.5 | 1,131.6 | -1,119.7 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 53.38 | 84.27 | 2,257.1 | 121.5 | 1,211.4 | -1,198.8 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 53.38 | 84.27 | 2,316.7 | 129.5 | 1,291.3 | -1,277.8 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 53.38 | 84.27 | 2,376.4 | 137.5 | 1,371.2 | -1,356.8 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 53.38 | 84.27 | 2,436.0 | 145.5 | 1,451.0 | -1,435.8 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 53.38 | 84.27 | 2,495.7 | 153.6 | 1,530.9 | -1,514.9 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 53.38 | 84.27 | 2,555.3 | 161.6 | 1,610.7 | -1,593.9 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 53.38 | 84.27 | 2,615.0 | 169.6 | 1,690.6 | -1,672.9 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 53.38 | 84.27 | 2,674.6 | 177.6 | 1,770.5 | -1,751.9 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 53.38 | 84.27 | 2,734.3 | 185.6 | 1,850.3 | -1,830.9 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 53.38 | 84.27 | 2,793.9 | 193.6 | 1,930.2 | -1,910.0 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 53.38 | 84.27 | 2,853.6 | 201.6 | 2,010.0 | -1,989.0 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 53.38 | 84.27 | 2,913.2 | 209.6 | 2,089.9 | -2,068.0 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 53.38 | 84.27 | 2,972.9 | 217.6 | 2,169.7 | -2,147.0 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 53.38 | 84.27 | 3,032.6 | 225.6 | 2,249.6 | -2,226.1 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 53.38 | 84.27 | 3,092.2 | 233.7 | 2,329.5 | -2,305.1 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 53.38 | 84.27 | 3,151.9 | 241.7 | 2,409.3 | -2,384.1 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 53.38 | 84.27 | 3,211.5 | 249.7 | 2,489.2 | -2,463.1 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 53.38 | 84.27 | 3,271.2 | 257.7 | 2,569.0 | -2,542.1 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 53.38 | 84.27 | 3,330.8 | 265.7 | 2,648.9 | -2,621.2 | 0.00 | 0.00 | 0.00 |
| 4,560.2 | 53.38 | 84.27 | 3,366.7 | 270.5 | 2,697.0 | -2,668.7 | 0.00 | 0.00 | 0.00 |
| Start DLS 9.00 TFO -169.91 | | | | | | | | | |
| 4,600.0 | 49.85 | 83.45 | 3,391.4 | 273.8 | 2,728.0 | -2,699.4 | 9.00 | -8.85 | -2.06 |
| 4,700.0 | 41.03 | 80.94 | 3,461.5 | 283.4 | 2,798.5 | -2,769.0 | 9.00 | -8.82 | -2.51 |

| | | | |
|------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Company: | Magpie Operating, Inc. | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Project: | SEC.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | North Reference: | True |
| Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #2 (12-06-18) | | |

| 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) |
| 4,800.0 | 32.29 | 77.35 | 3,541.7 | 294.4 | 2,857.1 | -2,826.6 | 9.00 | -8.74 | -3.59 |
| 4,900.0 | 23.71 | 71.47 | 3,629.9 | 306.7 | 2,902.3 | -2,870.8 | 9.00 | -8.58 | -5.88 |
| 5,000.0 | 15.58 | 59.73 | 3,724.1 | 319.9 | 2,933.0 | -2,900.4 | 9.00 | -8.13 | -11.75 |
| 5,100.0 | 9.18 | 28.84 | 3,821.8 | 333.7 | 2,948.5 | -2,914.8 | 9.00 | -6.40 | -30.88 |
| 5,200.0 | 9.31 | 330.36 | 3,920.7 | 347.7 | 2,948.4 | -2,913.6 | 9.00 | 0.13 | -58.48 |
| 5,300.0 | 15.81 | 300.42 | 4,018.3 | 361.7 | 2,932.6 | -2,896.8 | 9.00 | 6.50 | -29.94 |
| 5,400.0 | 23.96 | 288.96 | 4,112.3 | 375.2 | 2,901.6 | -2,864.8 | 9.00 | 8.15 | -11.46 |
| 5,500.0 | 32.54 | 283.18 | 4,200.4 | 387.9 | 2,856.1 | -2,818.5 | 9.00 | 8.58 | -5.78 |
| 5,600.0 | 41.29 | 279.63 | 4,280.2 | 399.6 | 2,797.3 | -2,759.0 | 9.00 | 8.75 | -3.55 |
| 5,700.0 | 50.11 | 277.14 | 4,350.0 | 409.9 | 2,726.5 | -2,687.6 | 9.00 | 8.82 | -2.49 |
| 5,800.0 | 58.98 | 275.23 | 4,408.0 | 418.6 | 2,645.6 | -2,606.3 | 9.00 | 8.86 | -1.92 |
| 5,900.0 | 67.87 | 273.64 | 4,452.7 | 425.5 | 2,556.5 | -2,517.0 | 9.00 | 8.89 | -1.59 |
| 6,000.0 | 76.77 | 272.24 | 4,483.0 | 430.3 | 2,461.5 | -2,421.8 | 9.00 | 8.90 | -1.40 |
| 6,100.0 | 85.68 | 270.94 | 4,498.2 | 433.1 | 2,362.8 | -2,323.2 | 9.00 | 8.91 | -1.30 |
| 6,158.5 | 90.89 | 270.20 | 4,500.0 | 433.6 | 2,304.4 | -2,264.9 | 9.00 | 8.91 | -1.27 |
| Start 8407.7 hold at 6158.5 MD | | | | | | | | | |
| 6,200.0 | 90.89 | 270.20 | 4,499.4 | 433.8 | 2,262.8 | -2,223.5 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 90.89 | 270.20 | 4,497.8 | 434.2 | 2,162.9 | -2,123.8 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 90.89 | 270.20 | 4,496.3 | 434.5 | 2,062.9 | -2,024.0 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 90.89 | 270.20 | 4,494.7 | 434.9 | 1,962.9 | -1,924.3 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 90.89 | 270.20 | 4,493.2 | 435.2 | 1,862.9 | -1,824.6 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 90.89 | 270.20 | 4,491.6 | 435.6 | 1,762.9 | -1,724.9 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 90.89 | 270.20 | 4,490.1 | 435.9 | 1,662.9 | -1,625.1 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 90.89 | 270.20 | 4,488.5 | 436.3 | 1,562.9 | -1,525.4 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 90.89 | 270.20 | 4,487.0 | 436.6 | 1,462.9 | -1,425.7 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 90.89 | 270.20 | 4,485.4 | 437.0 | 1,363.0 | -1,325.9 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 90.89 | 270.20 | 4,483.9 | 437.3 | 1,263.0 | -1,226.2 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 90.89 | 270.20 | 4,482.3 | 437.7 | 1,163.0 | -1,126.5 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 90.89 | 270.20 | 4,480.8 | 438.0 | 1,063.0 | -1,026.8 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 90.89 | 270.20 | 4,479.3 | 438.4 | 963.0 | -927.0 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 90.89 | 270.20 | 4,477.7 | 438.8 | 863.0 | -827.3 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 90.89 | 270.20 | 4,476.2 | 439.1 | 763.0 | -727.6 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 90.89 | 270.20 | 4,474.6 | 439.5 | 663.0 | -627.9 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 90.89 | 270.20 | 4,473.1 | 439.8 | 563.1 | -528.1 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 90.89 | 270.20 | 4,471.5 | 440.2 | 463.1 | -428.4 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 90.89 | 270.20 | 4,470.0 | 440.5 | 363.1 | -328.7 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 90.89 | 270.20 | 4,468.4 | 440.9 | 263.1 | -228.9 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 90.89 | 270.20 | 4,466.9 | 441.2 | 163.1 | -129.2 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 90.89 | 270.20 | 4,465.3 | 441.6 | 63.1 | -29.5 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 90.89 | 270.20 | 4,463.8 | 441.9 | -36.9 | 70.2 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 90.89 | 270.20 | 4,462.2 | 442.3 | -136.9 | 170.0 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 90.89 | 270.20 | 4,460.7 | 442.7 | -236.8 | 269.7 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 90.89 | 270.20 | 4,459.2 | 443.0 | -336.8 | 369.4 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 90.89 | 270.20 | 4,457.6 | 443.4 | -436.8 | 469.1 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 90.89 | 270.20 | 4,456.1 | 443.7 | -536.8 | 568.9 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 90.89 | 270.20 | 4,454.5 | 444.1 | -636.8 | 668.6 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | 90.89 | 270.20 | 4,453.0 | 444.4 | -736.8 | 768.3 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 90.89 | 270.20 | 4,451.4 | 444.8 | -836.8 | 868.0 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 90.89 | 270.20 | 4,449.9 | 445.1 | -936.8 | 967.8 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 90.89 | 270.20 | 4,448.3 | 445.5 | -1,036.7 | 1,067.5 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 90.89 | 270.20 | 4,446.8 | 445.8 | -1,136.7 | 1,167.2 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 90.89 | 270.20 | 4,445.2 | 446.2 | -1,236.7 | 1,267.0 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 90.89 | 270.20 | 4,443.7 | 446.6 | -1,336.7 | 1,366.7 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 90.89 | 270.20 | 4,442.1 | 446.9 | -1,436.7 | 1,466.4 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Company: | Magpie Operating, Inc. | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Project: | SEC.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | North Reference: | True |
| Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #2 (12-06-18) | | |

| 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) | |
| 10,000.0 | 90.89 | 270.20 | 4,440.6 | 447.3 | -1,536.7 | 1,566.1 | 0.00 | 0.00 | 0.00 | |
| 10,100.0 | 90.89 | 270.20 | 4,439.1 | 447.6 | -1,636.7 | 1,665.9 | 0.00 | 0.00 | 0.00 | |
| 10,200.0 | 90.89 | 270.20 | 4,437.5 | 448.0 | -1,736.7 | 1,765.6 | 0.00 | 0.00 | 0.00 | |
| 10,300.0 | 90.89 | 270.20 | 4,436.0 | 448.3 | -1,836.6 | 1,865.3 | 0.00 | 0.00 | 0.00 | |
| 10,400.0 | 90.89 | 270.20 | 4,434.4 | 448.7 | -1,936.6 | 1,965.0 | 0.00 | 0.00 | 0.00 | |
| 10,500.0 | 90.89 | 270.20 | 4,432.9 | 449.0 | -2,036.6 | 2,064.8 | 0.00 | 0.00 | 0.00 | |
| 10,600.0 | 90.89 | 270.20 | 4,431.3 | 449.4 | -2,136.6 | 2,164.5 | 0.00 | 0.00 | 0.00 | |
| 10,700.0 | 90.89 | 270.20 | 4,429.8 | 449.7 | -2,236.6 | 2,264.2 | 0.00 | 0.00 | 0.00 | |
| 10,800.0 | 90.89 | 270.20 | 4,428.2 | 450.1 | -2,336.6 | 2,364.0 | 0.00 | 0.00 | 0.00 | |
| 10,900.0 | 90.89 | 270.20 | 4,426.7 | 450.4 | -2,436.6 | 2,463.7 | 0.00 | 0.00 | 0.00 | |
| 11,000.0 | 90.89 | 270.20 | 4,425.1 | 450.8 | -2,536.6 | 2,563.4 | 0.00 | 0.00 | 0.00 | |
| 11,100.0 | 90.89 | 270.20 | 4,423.6 | 451.2 | -2,636.5 | 2,663.1 | 0.00 | 0.00 | 0.00 | |
| 11,200.0 | 90.89 | 270.20 | 4,422.0 | 451.5 | -2,736.5 | 2,762.9 | 0.00 | 0.00 | 0.00 | |
| 11,300.0 | 90.89 | 270.20 | 4,420.5 | 451.9 | -2,836.5 | 2,862.6 | 0.00 | 0.00 | 0.00 | |
| 11,400.0 | 90.89 | 270.20 | 4,419.0 | 452.2 | -2,936.5 | 2,962.3 | 0.00 | 0.00 | 0.00 | |
| 11,500.0 | 90.89 | 270.20 | 4,417.4 | 452.6 | -3,036.5 | 3,062.0 | 0.00 | 0.00 | 0.00 | |
| 11,600.0 | 90.89 | 270.20 | 4,415.9 | 452.9 | -3,136.5 | 3,161.8 | 0.00 | 0.00 | 0.00 | |
| 11,700.0 | 90.89 | 270.20 | 4,414.3 | 453.3 | -3,236.5 | 3,261.5 | 0.00 | 0.00 | 0.00 | |
| 11,800.0 | 90.89 | 270.20 | 4,412.8 | 453.6 | -3,336.5 | 3,361.2 | 0.00 | 0.00 | 0.00 | |
| 11,900.0 | 90.89 | 270.20 | 4,411.2 | 454.0 | -3,436.4 | 3,461.0 | 0.00 | 0.00 | 0.00 | |
| 12,000.0 | 90.89 | 270.20 | 4,409.7 | 454.3 | -3,536.4 | 3,560.7 | 0.00 | 0.00 | 0.00 | |
| 12,100.0 | 90.89 | 270.20 | 4,408.1 | 454.7 | -3,636.4 | 3,660.4 | 0.00 | 0.00 | 0.00 | |
| 12,200.0 | 90.89 | 270.20 | 4,406.6 | 455.1 | -3,736.4 | 3,760.1 | 0.00 | 0.00 | 0.00 | |
| 12,300.0 | 90.89 | 270.20 | 4,405.0 | 455.4 | -3,836.4 | 3,859.9 | 0.00 | 0.00 | 0.00 | |
| 12,400.0 | 90.89 | 270.20 | 4,403.5 | 455.8 | -3,936.4 | 3,959.6 | 0.00 | 0.00 | 0.00 | |
| 12,500.0 | 90.89 | 270.20 | 4,401.9 | 456.1 | -4,036.4 | 4,059.3 | 0.00 | 0.00 | 0.00 | |
| 12,600.0 | 90.89 | 270.20 | 4,400.4 | 456.5 | -4,136.4 | 4,159.0 | 0.00 | 0.00 | 0.00 | |
| 12,700.0 | 90.89 | 270.20 | 4,398.9 | 456.8 | -4,236.3 | 4,258.8 | 0.00 | 0.00 | 0.00 | |
| 12,800.0 | 90.89 | 270.20 | 4,397.3 | 457.2 | -4,336.3 | 4,358.5 | 0.00 | 0.00 | 0.00 | |
| 12,900.0 | 90.89 | 270.20 | 4,395.8 | 457.5 | -4,436.3 | 4,458.2 | 0.00 | 0.00 | 0.00 | |
| 13,000.0 | 90.89 | 270.20 | 4,394.2 | 457.9 | -4,536.3 | 4,558.0 | 0.00 | 0.00 | 0.00 | |
| 13,100.0 | 90.89 | 270.20 | 4,392.7 | 458.2 | -4,636.3 | 4,657.7 | 0.00 | 0.00 | 0.00 | |
| 13,200.0 | 90.89 | 270.20 | 4,391.1 | 458.6 | -4,736.3 | 4,757.4 | 0.00 | 0.00 | 0.00 | |
| 13,300.0 | 90.89 | 270.20 | 4,389.6 | 458.9 | -4,836.3 | 4,857.1 | 0.00 | 0.00 | 0.00 | |
| 13,400.0 | 90.89 | 270.20 | 4,388.0 | 459.3 | -4,936.3 | 4,956.9 | 0.00 | 0.00 | 0.00 | |
| 13,500.0 | 90.89 | 270.20 | 4,386.5 | 459.7 | -5,036.2 | 5,056.6 | 0.00 | 0.00 | 0.00 | |
| 13,600.0 | 90.89 | 270.20 | 4,384.9 | 460.0 | -5,136.2 | 5,156.3 | 0.00 | 0.00 | 0.00 | |
| 13,700.0 | 90.89 | 270.20 | 4,383.4 | 460.4 | -5,236.2 | 5,256.0 | 0.00 | 0.00 | 0.00 | |
| 13,800.0 | 90.89 | 270.20 | 4,381.8 | 460.7 | -5,336.2 | 5,355.8 | 0.00 | 0.00 | 0.00 | |
| 13,900.0 | 90.89 | 270.20 | 4,380.3 | 461.1 | -5,436.2 | 5,455.5 | 0.00 | 0.00 | 0.00 | |
| 14,000.0 | 90.89 | 270.20 | 4,378.8 | 461.4 | -5,536.2 | 5,555.2 | 0.00 | 0.00 | 0.00 | |
| 14,100.0 | 90.89 | 270.20 | 4,377.2 | 461.8 | -5,636.2 | 5,655.0 | 0.00 | 0.00 | 0.00 | |
| 14,200.0 | 90.89 | 270.20 | 4,375.7 | 462.1 | -5,736.2 | 5,754.7 | 0.00 | 0.00 | 0.00 | |
| 14,300.0 | 90.89 | 270.20 | 4,374.1 | 462.5 | -5,836.1 | 5,854.4 | 0.00 | 0.00 | 0.00 | |
| 14,400.0 | 90.89 | 270.20 | 4,372.6 | 462.8 | -5,936.1 | 5,954.1 | 0.00 | 0.00 | 0.00 | |
| 14,500.0 | 90.89 | 270.20 | 4,371.0 | 463.2 | -6,036.1 | 6,053.9 | 0.00 | 0.00 | 0.00 | |
| 14,566.1 | 90.89 | 270.20 | 4,370.0 | 463.4 | -6,102.3 | 6,119.8 | 0.00 | 0.00 | 0.00 | |
| TD at 14566.1 | | | | | | | | | | |

| | | | |
|------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Company: | Magpie Operating, Inc. | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Project: | SEC.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | North Reference: | True |
| Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #2 (12-06-18) | | |

| Design Targets | | | | | | | | | | |
|--|-----------|----------|---------|-------|----------|--------------|--------------|-----------|-------------|--|
| Target Name | Dip Angle | Dip Dir. | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | |
| - hit/miss target | (°) | (°) | (ft) | (ft) | (ft) | (usft) | (usft) | | | |
| - Shape | | | | | | | | | | |
| SHL 2210'FSL, 2275'FW - plan hits target center - Point | 0.00 | 0.00 | 1.0 | 0.0 | 0.0 | 1,377,848.11 | 3,130,397.81 | 40.369650 | -105.032010 | |
| BHL 2570'FSL, 1469'FW - plan hits target center - Point | 0.00 | 0.00 | 4,370.0 | 463.4 | -6,102.3 | 1,378,279.31 | 3,124,293.45 | 40.370920 | -105.053910 | |
| LPL 2566'FSL, 658'FEL, - plan hits target center - Point | 0.00 | 0.00 | 4,500.0 | 433.6 | 2,304.4 | 1,378,293.89 | 3,132,699.76 | 40.370840 | -105.023740 | |

| Plan Annotations | | | | | |
|------------------|----------------|-------------------|----------|--------------------------------|--|
| Measured Depth | Vertical Depth | Local Coordinates | | | |
| (ft) | (ft) | +N/-S | +E/-W | Comment | |
| (ft) | (ft) | (ft) | (ft) | | |
| 200.0 | 200.0 | 0.0 | 0.0 | KOP - Start Build 2.50 | |
| 2,335.1 | 2,039.4 | 92.3 | 920.1 | Start 2225.1 hold at 2335.1 MD | |
| 4,560.2 | 3,366.7 | 270.5 | 2,697.0 | Start DLS 9.00 TFO -169.91 | |
| 6,158.5 | 4,500.0 | 433.6 | 2,304.4 | Start 8407.7 hold at 6158.5 MD | |
| 14,566.1 | 4,370.0 | 463.4 | -6,102.3 | TD at 14566.1 | |



Magpie Operating, Inc.

SEC.29-T5N-R68W

Bunker 8 Well Pad Sec.29-T5N-R68W

Bunker 8-6H

Wellbore #1

Plan #2 (12-06-18)

Anticollision Report

07 December, 2018

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| | | | |
|-------------------------------------|---|-----------------------|---------------------|
| Reference | Plan #2 (12-06-18) | | |
| Filter type: | NO GLOBAL FILTER: Using user defined selection & filtering criteria | | |
| Interpolation Method: | Stations | Error Model: | ISCWSA |
| Depth Range: | Unlimited | Scan Method: | Closest Approach 3D |
| Results Limited by: | Maximum center-center distance of 800.0 ft | Error Surface: | Elliptical Conic |
| Warning Levels Evaluated at: | 2.45 Sigma | Casing Method: | Not applied |

| | | | | |
|----------------------------|----------------|----------------------------------|------------------|--------------------|
| Survey Tool Program | Date | 12/7/2018 | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description |
| 0.0 | 14,566.1 | Plan #2 (12-06-18) (Wellbore #1) | MWD | MWD - Standard |

| | | | | | | |
|--|--------------------------------------|-----------------------------------|--------------------------------------|---------------------------------------|--------------------------|-----------------|
| Summary | | | | | | |
| Site Name | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design | | | | | | |
| Bunker 8 Well Pad Sec.29-T5N-R68W | | | | | | |
| Bunker 8-1H - Wellbore #1 - Plan #2 (12-06-18) | 163.0 | 173.0 | 153.0 | 152.4 | 235.554 | CC |
| Bunker 8-1H - Wellbore #1 - Plan #2 (12-06-18) | 200.0 | 209.5 | 153.0 | 152.2 | 180.125 | ES |
| Bunker 8-1H - Wellbore #1 - Plan #2 (12-06-18) | 1,900.0 | 1,672.7 | 736.2 | 715.0 | 34.671 | SF |
| Bunker 8-2H - Wellbore #1 - Plan #2 (12-06-18) | 200.0 | 207.0 | 120.2 | 119.4 | 142.226 | CC |
| Bunker 8-2H - Wellbore #1 - Plan #2 (12-06-18) | 300.0 | 306.9 | 120.5 | 119.1 | 86.978 | ES |
| Bunker 8-2H - Wellbore #1 - Plan #2 (12-06-18) | 3,600.0 | 3,524.2 | 786.3 | 681.0 | 7.467 | SF |
| Bunker 8-3H - Wellbore #1 - Plan #2 (12-06-18) | 164.9 | 169.9 | 91.1 | 90.4 | 140.864 | CC |
| Bunker 8-3H - Wellbore #1 - Plan #2 (12-06-18) | 200.0 | 205.0 | 91.1 | 90.2 | 108.538 | ES |
| Bunker 8-3H - Wellbore #1 - Plan #2 (12-06-18) | 4,600.0 | 4,522.6 | 775.8 | 614.2 | 4.801 | SF |
| Bunker 8-4H - Wellbore #1 - Plan #2 (12-06-18) | 200.0 | 204.0 | 61.9 | 61.1 | 73.991 | CC |
| Bunker 8-4H - Wellbore #1 - Plan #2 (12-06-18) | 300.0 | 304.0 | 62.2 | 60.8 | 45.140 | ES |
| Bunker 8-4H - Wellbore #1 - Plan #2 (12-06-18) | 4,800.0 | 4,785.2 | 560.1 | 394.4 | 3.382 | SF |
| Bunker 8-5H - Wellbore #1 - Plan #2 (12-06-18) | 200.7 | 202.7 | 32.8 | 32.0 | 39.256 | CC |
| Bunker 8-5H - Wellbore #1 - Plan #2 (12-06-18) | 14,023.9 | 14,222.8 | 484.2 | 13.5 | 1.029 | Level 2, ES |
| Bunker 8-5H - Wellbore #1 - Plan #2 (12-06-18) | 14,100.0 | 14,250.1 | 486.9 | 13.6 | 1.029 | Level 2, SF |
| Bunker 8-7H - Wellbore #1 - Plan #2 (12-06-18) | 310.7 | 308.7 | 29.0 | 27.6 | 20.425 | CC |
| Bunker 8-7H - Wellbore #1 - Plan #2 (12-06-18) | 14,566.1 | 14,779.3 | 479.0 | -116.2 | 0.805 | Level 1, ES, SF |
| Bunker 8-8H - Wellbore #1 - Plan #2 (12-06-18) | 363.3 | 359.2 | 58.0 | 56.3 | 33.961 | CC |
| Bunker 8-8H - Wellbore #1 - Plan #2 (12-06-18) | 400.0 | 395.7 | 58.1 | 56.2 | 30.379 | ES |
| Bunker 8-8H - Wellbore #1 - Plan #2 (12-06-18) | 5,200.0 | 5,100.0 | 672.3 | 501.1 | 3.926 | SF |
| Bunker 8-9H - Wellbore #1 - Plan #2 (12-16-18) | 200.0 | 195.0 | 87.4 | 86.6 | 107.650 | CC, ES |
| Bunker 8-9H - Wellbore #1 - Plan #2 (12-16-18) | 4,100.0 | 3,984.3 | 778.9 | 646.3 | 5.876 | SF |

| Offset Design | | Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-1H - Wellbore #1 - Plan #2 (12-06-18) | | | | | | | | | | | Offset Site Error: | | 0.0 ft |
|-----------------|------------|--|------------|-----------------|--------|--------------|------------------------|------------|--------------|---------------|-----------------|------------|--------------------|--|--------|
| Survey Program: | | 0-MWD | | | | | | | | | | | Offset Well Error: | | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | | |
| Measured Depth | Vertical | Measured | Vertical | Reference | Offset | Highside | Offset Wellbore Centre | | Between | Between | Minimum | Separation | Warning | | |
| Depth (ft) | Depth (ft) | Depth (ft) | Depth (ft) | (ft) | (ft) | Toolface (°) | +N/-S (ft) | +E/-W (ft) | Centres (ft) | Ellipses (ft) | Separation (ft) | Factor | | | |
| 0.0 | 0.0 | 10.0 | 10.0 | 0.0 | 0.0 | -180.00 | -153.0 | 0.0 | 153.0 | 153.0 | 0.01 | N/A | | | |
| 100.0 | 100.0 | 110.0 | 110.0 | 0.1 | 0.2 | -180.00 | -153.0 | 0.0 | 153.0 | 152.7 | 0.30 | 505.211 | | | |
| 163.0 | 163.0 | 173.0 | 173.0 | 0.3 | 0.3 | -180.00 | -153.0 | 0.0 | 153.0 | 152.4 | 0.65 | 235.554 | CC | | |
| 200.0 | 200.0 | 209.5 | 209.5 | 0.4 | 0.4 | 180.00 | -153.0 | 0.0 | 153.0 | 152.2 | 0.85 | 180.125 | ES | | |
| 300.0 | 300.0 | 304.7 | 304.7 | 0.7 | 0.7 | 96.20 | -154.8 | 0.7 | 155.1 | 153.8 | 1.35 | 114.489 | | | |
| 400.0 | 399.7 | 400.0 | 399.8 | 1.0 | 0.9 | 97.63 | -159.6 | 2.4 | 160.9 | 159.0 | 1.89 | 85.254 | | | |

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

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|------------------------|------------------------|------------------------|------------------------|-------------------|----------------|--------------------------|---|---------------|-------------------------|--------------------------|----------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 500.0 | 499.1 | 493.8 | 493.3 | 1.3 | 1.2 | 99.80 | -167.2 | 5.2 | 170.5 | 168.0 | 2.49 | 68.521 | | |
| 600.0 | 598.0 | 587.2 | 586.0 | 1.7 | 1.5 | 102.43 | -177.6 | 9.0 | 184.2 | 181.0 | 3.17 | 58.051 | | |
| 700.0 | 696.0 | 679.5 | 677.3 | 2.2 | 1.9 | 105.23 | -190.6 | 13.8 | 202.2 | 198.2 | 3.95 | 51.158 | | |
| 800.0 | 793.2 | 770.4 | 766.7 | 2.7 | 2.3 | 107.97 | -206.2 | 19.4 | 224.7 | 219.9 | 4.84 | 46.471 | | |
| 900.0 | 889.2 | 859.7 | 853.9 | 3.4 | 2.8 | 110.48 | -224.0 | 26.0 | 251.9 | 246.0 | 5.83 | 43.222 | | |
| 1,000.0 | 983.9 | 947.2 | 938.8 | 4.2 | 3.3 | 112.67 | -244.0 | 33.3 | 283.5 | 276.6 | 6.92 | 40.939 | | |
| 1,100.0 | 1,077.0 | 1,032.7 | 1,021.0 | 5.1 | 3.9 | 114.51 | -265.9 | 41.3 | 319.6 | 311.4 | 8.13 | 39.316 | | |
| 1,200.0 | 1,168.6 | 1,116.1 | 1,100.5 | 6.1 | 4.5 | 115.99 | -289.4 | 49.9 | 359.9 | 350.5 | 9.43 | 38.151 | | |
| 1,300.0 | 1,258.3 | 1,200.0 | 1,179.8 | 7.2 | 5.1 | 117.22 | -315.3 | 59.3 | 404.4 | 393.5 | 10.86 | 37.250 | | |
| 1,400.0 | 1,345.9 | 1,275.7 | 1,250.6 | 8.4 | 5.8 | 117.98 | -340.5 | 68.6 | 452.7 | 440.4 | 12.35 | 36.644 | | |
| 1,500.0 | 1,431.4 | 1,356.4 | 1,325.4 | 9.8 | 6.5 | 118.69 | -368.9 | 79.0 | 504.6 | 490.6 | 13.98 | 36.100 | | |
| 1,600.0 | 1,514.5 | 1,438.6 | 1,401.5 | 11.3 | 7.2 | 119.43 | -398.0 | 89.6 | 558.9 | 543.2 | 15.69 | 35.620 | | |
| 1,700.0 | 1,595.2 | 1,518.8 | 1,475.8 | 12.9 | 8.0 | 120.10 | -426.5 | 100.0 | 615.6 | 598.1 | 17.47 | 35.236 | | |
| 1,800.0 | 1,673.2 | 1,596.9 | 1,548.1 | 14.6 | 8.7 | 120.69 | -454.2 | 110.1 | 674.7 | 655.4 | 19.32 | 34.924 | | |
| 1,900.0 | 1,748.3 | 1,672.7 | 1,618.3 | 16.5 | 9.4 | 121.16 | -481.0 | 120.0 | 736.2 | 715.0 | 21.23 | 34.671 SF | | |

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Magpie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design | | Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-2H - Wellbore #1 - Plan #2 (12-06-18) | | | | | | | | | | | Offset Site Error: | | 0.0 ft |
|-----------------|----------------|--|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|--------------------|-------------------|--------------------|---------|--------|
| Survey Program: | | 0-MWD | | | | | | | | | | | Offset Well Error: | | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | | Between Centres | Between Ellipses | Minimum Separation | Separation Factor | | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | (ft) | | | | |
| 0.0 | 0.0 | 7.0 | 7.0 | 0.0 | 0.0 | -180.00 | -120.2 | 0.0 | 120.2 | 120.2 | 0.01 | N/A | | | |
| 100.0 | 100.0 | 107.0 | 107.0 | 0.1 | 0.2 | -180.00 | -120.2 | 0.0 | 120.2 | 119.9 | 0.29 | 408.070 | | | |
| 200.0 | 200.0 | 207.0 | 207.0 | 0.4 | 0.4 | -180.00 | -120.2 | 0.0 | 120.2 | 119.4 | 0.85 | 142.226 CC | | | |
| 300.0 | 300.0 | 306.9 | 306.9 | 0.7 | 0.7 | 96.75 | -120.2 | 0.0 | 120.5 | 119.1 | 1.38 | 86.978 ES | | | |
| 400.0 | 399.7 | 405.7 | 405.6 | 1.0 | 1.0 | 98.62 | -120.8 | 2.4 | 121.9 | 119.9 | 1.92 | 63.326 | | | |
| 500.0 | 499.1 | 504.6 | 504.3 | 1.3 | 1.2 | 100.43 | -122.5 | 8.8 | 124.9 | 122.4 | 2.52 | 49.509 | | | |
| 600.0 | 598.0 | 603.6 | 602.7 | 1.7 | 1.5 | 102.11 | -125.2 | 19.4 | 129.6 | 126.4 | 3.23 | 40.106 | | | |
| 700.0 | 696.0 | 702.6 | 700.5 | 2.2 | 1.9 | 103.60 | -129.0 | 34.2 | 135.9 | 131.8 | 4.08 | 33.317 | | | |
| 800.0 | 793.2 | 801.7 | 797.7 | 2.7 | 2.4 | 104.88 | -133.8 | 53.0 | 143.8 | 138.7 | 5.09 | 28.245 | | | |
| 900.0 | 889.2 | 900.7 | 893.9 | 3.4 | 2.9 | 105.93 | -139.7 | 75.8 | 153.2 | 146.9 | 6.29 | 24.380 | | | |
| 1,000.0 | 983.9 | 999.7 | 988.9 | 4.2 | 3.6 | 106.75 | -146.6 | 102.7 | 164.2 | 156.5 | 7.68 | 21.389 | | | |
| 1,100.0 | 1,077.0 | 1,098.7 | 1,082.6 | 5.1 | 4.3 | 107.36 | -154.5 | 133.4 | 176.6 | 167.3 | 9.27 | 19.043 | | | |
| 1,200.0 | 1,168.6 | 1,197.6 | 1,174.8 | 6.1 | 5.2 | 107.78 | -163.4 | 168.1 | 190.4 | 179.3 | 11.08 | 17.179 | | | |
| 1,300.0 | 1,258.3 | 1,296.3 | 1,265.2 | 7.2 | 6.2 | 108.02 | -173.3 | 206.5 | 205.6 | 192.5 | 13.11 | 15.678 | | | |
| 1,400.0 | 1,345.9 | 1,395.0 | 1,353.8 | 8.4 | 7.3 | 108.12 | -184.1 | 248.6 | 222.2 | 206.8 | 15.37 | 14.454 | | | |
| 1,500.0 | 1,431.4 | 1,493.5 | 1,440.3 | 9.8 | 8.5 | 108.10 | -195.9 | 294.2 | 240.1 | 222.2 | 17.86 | 13.441 | | | |
| 1,600.0 | 1,514.5 | 1,591.8 | 1,524.5 | 11.3 | 9.9 | 107.97 | -208.5 | 343.4 | 259.2 | 238.7 | 20.58 | 12.594 | | | |
| 1,700.0 | 1,595.2 | 1,690.0 | 1,606.3 | 12.9 | 11.3 | 107.75 | -222.0 | 395.9 | 279.6 | 256.1 | 23.54 | 11.878 | | | |
| 1,800.0 | 1,673.2 | 1,787.9 | 1,685.6 | 14.6 | 12.9 | 107.45 | -236.3 | 451.6 | 301.2 | 274.5 | 26.74 | 11.267 | | | |
| 1,900.0 | 1,748.3 | 1,885.7 | 1,762.2 | 16.5 | 14.6 | 107.09 | -251.5 | 510.5 | 324.0 | 293.8 | 30.17 | 10.740 | | | |
| 2,000.0 | 1,820.6 | 1,983.3 | 1,836.0 | 18.5 | 16.4 | 106.68 | -267.4 | 572.3 | 347.9 | 314.0 | 33.83 | 10.283 | | | |
| 2,100.0 | 1,889.7 | 2,080.8 | 1,906.9 | 20.6 | 18.4 | 106.23 | -284.0 | 637.0 | 372.8 | 335.1 | 37.72 | 9.883 | | | |
| 2,200.0 | 1,955.6 | 2,178.0 | 1,974.8 | 22.8 | 20.4 | 105.74 | -301.3 | 704.4 | 398.7 | 356.9 | 41.84 | 9.530 | | | |
| 2,300.0 | 2,018.2 | 2,275.0 | 2,039.5 | 25.2 | 22.6 | 105.22 | -319.3 | 774.4 | 425.7 | 379.5 | 46.18 | 9.218 | | | |
| 2,335.1 | 2,039.4 | 2,309.0 | 2,061.4 | 26.0 | 23.3 | 105.03 | -325.8 | 799.6 | 435.3 | 387.6 | 47.74 | 9.120 | | | |
| 2,400.0 | 2,078.1 | 2,371.3 | 2,101.5 | 27.6 | 24.8 | 105.15 | -337.7 | 845.9 | 453.3 | 402.7 | 50.65 | 8.950 | | | |
| 2,500.0 | 2,137.8 | 2,467.4 | 2,163.1 | 30.1 | 27.0 | 105.31 | -356.0 | 917.2 | 481.1 | 425.9 | 55.16 | 8.722 | | | |
| 2,600.0 | 2,197.4 | 2,563.5 | 2,224.8 | 32.6 | 29.3 | 105.46 | -374.4 | 988.5 | 508.8 | 449.1 | 59.68 | 8.526 | | | |
| 2,700.0 | 2,257.1 | 2,659.5 | 2,286.5 | 35.0 | 31.5 | 105.59 | -392.7 | 1,059.9 | 536.6 | 472.3 | 64.22 | 8.355 | | | |
| 2,800.0 | 2,316.7 | 2,755.6 | 2,348.2 | 37.5 | 33.8 | 105.71 | -411.0 | 1,131.2 | 564.3 | 495.5 | 68.76 | 8.207 | | | |
| 2,900.0 | 2,376.4 | 2,851.7 | 2,409.8 | 40.0 | 36.0 | 105.82 | -429.4 | 1,202.5 | 592.0 | 518.7 | 73.31 | 8.076 | | | |
| 3,000.0 | 2,436.0 | 2,947.7 | 2,471.5 | 42.5 | 38.3 | 105.92 | -447.7 | 1,273.9 | 619.8 | 541.9 | 77.87 | 7.959 | | | |
| 3,100.0 | 2,495.7 | 3,043.8 | 2,533.2 | 45.0 | 40.6 | 106.01 | -466.1 | 1,345.2 | 647.6 | 565.1 | 82.44 | 7.855 | | | |
| 3,200.0 | 2,555.3 | 3,139.9 | 2,594.9 | 47.5 | 42.9 | 106.09 | -484.4 | 1,416.5 | 675.3 | 588.3 | 87.00 | 7.762 | | | |
| 3,300.0 | 2,615.0 | 3,236.0 | 2,656.5 | 50.0 | 45.1 | 106.17 | -502.7 | 1,487.9 | 703.1 | 611.5 | 91.58 | 7.677 | | | |
| 3,400.0 | 2,674.6 | 3,332.0 | 2,718.2 | 52.5 | 47.4 | 106.24 | -521.1 | 1,559.2 | 730.8 | 634.7 | 96.15 | 7.601 | | | |
| 3,500.0 | 2,734.3 | 3,428.1 | 2,779.9 | 55.0 | 49.7 | 106.30 | -539.4 | 1,630.5 | 758.6 | 657.8 | 100.73 | 7.531 | | | |
| 3,600.0 | 2,793.9 | 3,524.2 | 2,841.6 | 57.5 | 52.0 | 106.37 | -557.7 | 1,701.9 | 786.3 | 681.0 | 105.31 | 7.467 SF | | | |

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-3H - Wellbore #1 - Plan #2 (12-06-18) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.0 | 0.0 | 5.0 | 5.0 | 0.0 | 0.0 | -180.00 | -91.1 | 0.0 | 91.1 | 91.1 | 0.01 | N/A | | |
| 100.0 | 100.0 | 105.0 | 105.0 | 0.1 | 0.2 | -180.00 | -91.1 | 0.0 | 91.1 | 90.8 | 0.29 | 315.032 | | |
| 164.9 | 164.9 | 169.9 | 169.9 | 0.3 | 0.3 | -180.00 | -91.1 | 0.0 | 91.1 | 90.4 | 0.65 | 140.864 CC | | |
| 200.0 | 200.0 | 205.0 | 205.0 | 0.4 | 0.4 | 180.00 | -91.1 | 0.0 | 91.1 | 90.2 | 0.84 | 108.538 ES | | |
| 300.0 | 300.0 | 304.4 | 304.3 | 0.7 | 0.7 | 95.59 | -91.4 | 2.3 | 91.7 | 90.3 | 1.37 | 67.115 | | |
| 400.0 | 399.7 | 403.7 | 403.5 | 1.0 | 1.0 | 95.47 | -92.4 | 8.9 | 93.3 | 91.4 | 1.93 | 48.460 | | |
| 500.0 | 499.1 | 503.1 | 502.2 | 1.3 | 1.3 | 95.37 | -94.1 | 19.8 | 96.1 | 93.5 | 2.58 | 37.201 | | |
| 600.0 | 598.0 | 602.3 | 600.3 | 1.7 | 1.7 | 95.28 | -96.4 | 34.8 | 99.9 | 96.6 | 3.37 | 29.654 | | |
| 700.0 | 696.0 | 701.5 | 697.5 | 2.2 | 2.2 | 95.19 | -99.4 | 54.0 | 104.8 | 100.5 | 4.32 | 24.293 | | |
| 800.0 | 793.2 | 800.6 | 793.8 | 2.7 | 2.7 | 95.12 | -102.9 | 77.3 | 110.8 | 105.4 | 5.44 | 20.362 | | |
| 900.0 | 889.2 | 900.0 | 889.2 | 3.4 | 3.4 | 95.06 | -107.1 | 104.8 | 117.8 | 111.1 | 6.77 | 17.409 | | |
| 1,000.0 | 983.9 | 998.5 | 982.4 | 4.2 | 4.2 | 94.99 | -111.9 | 136.1 | 125.9 | 117.6 | 8.30 | 15.169 | | |
| 1,100.0 | 1,077.0 | 1,097.3 | 1,074.5 | 5.1 | 5.1 | 94.93 | -117.3 | 171.4 | 135.0 | 124.9 | 10.05 | 13.430 | | |
| 1,200.0 | 1,168.6 | 1,195.9 | 1,164.8 | 6.1 | 6.1 | 94.86 | -123.3 | 210.5 | 145.1 | 133.0 | 12.03 | 12.062 | | |
| 1,300.0 | 1,258.3 | 1,294.3 | 1,253.2 | 7.2 | 7.2 | 94.78 | -129.9 | 253.4 | 156.1 | 141.9 | 14.23 | 10.970 | | |
| 1,400.0 | 1,345.9 | 1,392.7 | 1,339.6 | 8.4 | 8.4 | 94.70 | -137.0 | 299.9 | 168.2 | 151.5 | 16.67 | 10.085 | | |
| 1,500.0 | 1,431.4 | 1,490.8 | 1,423.6 | 9.8 | 9.7 | 94.60 | -144.7 | 349.9 | 181.1 | 161.8 | 19.35 | 9.359 | | |
| 1,600.0 | 1,514.5 | 1,588.8 | 1,505.3 | 11.3 | 11.2 | 94.49 | -152.9 | 403.4 | 195.0 | 172.7 | 22.27 | 8.756 | | |
| 1,700.0 | 1,595.2 | 1,686.6 | 1,584.5 | 12.9 | 12.8 | 94.37 | -161.6 | 460.1 | 209.7 | 184.3 | 25.43 | 8.248 | | |
| 1,800.0 | 1,673.2 | 1,784.3 | 1,661.1 | 14.6 | 14.5 | 94.24 | -170.8 | 520.0 | 225.3 | 196.5 | 28.83 | 7.817 | | |
| 1,900.0 | 1,748.3 | 1,881.7 | 1,734.8 | 16.5 | 16.3 | 94.09 | -180.4 | 583.0 | 241.8 | 209.3 | 32.46 | 7.447 | | |
| 2,000.0 | 1,820.6 | 1,979.0 | 1,805.7 | 18.5 | 18.3 | 93.93 | -190.5 | 648.9 | 259.0 | 222.6 | 36.34 | 7.127 | | |
| 2,100.0 | 1,889.7 | 2,076.2 | 1,873.5 | 20.6 | 20.3 | 93.75 | -201.0 | 717.6 | 276.9 | 236.5 | 40.44 | 6.848 | | |
| 2,200.0 | 1,955.6 | 2,173.2 | 1,938.3 | 22.8 | 22.5 | 93.57 | -212.0 | 789.0 | 295.6 | 250.9 | 44.77 | 6.604 | | |
| 2,300.0 | 2,018.2 | 2,270.0 | 1,999.8 | 25.2 | 24.7 | 93.37 | -223.3 | 862.9 | 315.0 | 265.7 | 49.32 | 6.388 | | |
| 2,335.1 | 2,039.4 | 2,304.0 | 2,020.7 | 26.0 | 25.6 | 93.30 | -227.4 | 889.4 | 322.0 | 271.0 | 50.95 | 6.319 | | |
| 2,400.0 | 2,078.1 | 2,367.3 | 2,058.7 | 27.6 | 27.1 | 93.41 | -235.0 | 939.4 | 335.0 | 280.9 | 54.06 | 6.196 | | |
| 2,500.0 | 2,137.8 | 2,465.3 | 2,117.6 | 30.1 | 29.5 | 93.54 | -246.9 | 1,016.9 | 355.0 | 296.1 | 58.89 | 6.028 | | |
| 2,600.0 | 2,197.4 | 2,563.2 | 2,176.4 | 32.6 | 32.0 | 93.65 | -258.8 | 1,094.3 | 375.0 | 311.3 | 63.73 | 5.885 | | |
| 2,700.0 | 2,257.1 | 2,661.2 | 2,235.2 | 35.0 | 34.4 | 93.76 | -270.6 | 1,171.8 | 395.1 | 326.5 | 68.58 | 5.760 | | |
| 2,800.0 | 2,316.7 | 2,759.2 | 2,294.0 | 37.5 | 36.9 | 93.85 | -282.5 | 1,249.2 | 415.1 | 341.6 | 73.45 | 5.651 | | |
| 2,900.0 | 2,376.4 | 2,857.2 | 2,352.9 | 40.0 | 39.3 | 93.94 | -294.4 | 1,326.6 | 435.1 | 356.8 | 78.32 | 5.556 | | |
| 3,000.0 | 2,436.0 | 2,955.1 | 2,411.7 | 42.5 | 41.8 | 94.01 | -306.2 | 1,404.1 | 455.1 | 371.9 | 83.20 | 5.470 | | |
| 3,100.0 | 2,495.7 | 3,053.1 | 2,470.5 | 45.0 | 44.2 | 94.08 | -318.1 | 1,481.5 | 475.2 | 387.1 | 88.09 | 5.394 | | |
| 3,200.0 | 2,555.3 | 3,151.1 | 2,529.3 | 47.5 | 46.7 | 94.15 | -330.0 | 1,559.0 | 495.2 | 402.2 | 92.98 | 5.326 | | |
| 3,300.0 | 2,615.0 | 3,249.0 | 2,588.2 | 50.0 | 49.2 | 94.21 | -341.8 | 1,636.4 | 515.2 | 417.4 | 97.88 | 5.264 | | |
| 3,400.0 | 2,674.6 | 3,347.0 | 2,647.0 | 52.5 | 51.6 | 94.27 | -353.7 | 1,713.9 | 535.3 | 432.5 | 102.78 | 5.208 | | |
| 3,500.0 | 2,734.3 | 3,445.0 | 2,705.8 | 55.0 | 54.1 | 94.32 | -365.6 | 1,791.3 | 555.3 | 447.6 | 107.69 | 5.157 | | |
| 3,600.0 | 2,793.9 | 3,543.0 | 2,764.6 | 57.5 | 56.6 | 94.37 | -377.4 | 1,868.7 | 575.3 | 462.8 | 112.59 | 5.110 | | |
| 3,700.0 | 2,853.6 | 3,640.9 | 2,823.5 | 60.0 | 59.0 | 94.41 | -389.3 | 1,946.2 | 595.4 | 477.9 | 117.50 | 5.067 | | |
| 3,800.0 | 2,913.2 | 3,738.9 | 2,882.3 | 62.5 | 61.5 | 94.45 | -401.2 | 2,023.6 | 615.4 | 493.0 | 122.41 | 5.027 | | |
| 3,900.0 | 2,972.9 | 3,836.9 | 2,941.1 | 65.0 | 64.0 | 94.49 | -413.0 | 2,101.1 | 635.5 | 508.1 | 127.33 | 4.991 | | |
| 4,000.0 | 3,032.6 | 3,934.8 | 2,999.9 | 67.5 | 66.4 | 94.53 | -424.9 | 2,178.5 | 655.5 | 523.2 | 132.24 | 4.957 | | |
| 4,100.0 | 3,092.2 | 4,032.8 | 3,058.7 | 70.0 | 68.9 | 94.57 | -436.8 | 2,255.9 | 675.5 | 538.4 | 137.16 | 4.925 | | |
| 4,200.0 | 3,151.9 | 4,130.8 | 3,117.6 | 72.5 | 71.4 | 94.60 | -448.6 | 2,333.4 | 695.6 | 553.5 | 142.08 | 4.896 | | |
| 4,300.0 | 3,211.5 | 4,228.8 | 3,176.4 | 75.0 | 73.9 | 94.63 | -460.5 | 2,410.8 | 715.6 | 568.6 | 147.00 | 4.868 | | |
| 4,400.0 | 3,271.2 | 4,326.7 | 3,235.2 | 77.5 | 76.3 | 94.66 | -472.4 | 2,488.3 | 735.6 | 583.7 | 151.92 | 4.842 | | |
| 4,500.0 | 3,330.8 | 4,424.7 | 3,294.0 | 80.0 | 78.8 | 94.69 | -484.2 | 2,565.7 | 755.7 | 598.8 | 156.84 | 4.818 | | |
| 4,560.2 | 3,366.7 | 4,483.7 | 3,329.4 | 81.5 | 80.3 | 94.70 | -491.4 | 2,612.3 | 767.7 | 607.9 | 159.80 | 4.804 | | |
| 4,600.0 | 3,391.4 | 4,522.6 | 3,352.8 | 82.5 | 81.3 | 95.87 | -496.1 | 2,643.1 | 775.8 | 614.2 | 161.59 | 4.801 SF | | |
| 4,650.0 | 3,425.1 | 4,571.3 | 3,382.0 | 83.5 | 82.5 | 97.25 | -502.0 | 2,681.6 | 786.3 | 622.6 | 163.70 | 4.803 | | |
| 4,700.0 | 3,461.5 | 4,617.1 | 3,409.6 | 84.4 | 83.7 | 98.64 | -507.5 | 2,717.7 | 797.1 | 631.5 | 165.63 | 4.813 | | |

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

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-4H - Wellbore #1 - Plan #2 (12-06-18) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.0 | 0.0 | 4.0 | 4.0 | 0.0 | 0.0 | -180.00 | -61.9 | 0.0 | 61.9 | 61.9 | 0.01 | N/A | | |
| 100.0 | 100.0 | 104.0 | 104.0 | 0.1 | 0.1 | -180.00 | -61.9 | 0.0 | 61.9 | 61.6 | 0.29 | 216.282 | | |
| 200.0 | 200.0 | 204.0 | 204.0 | 0.4 | 0.4 | -180.00 | -61.9 | 0.0 | 61.9 | 61.1 | 0.84 | 73.991 CC | | |
| 300.0 | 300.0 | 304.0 | 304.0 | 0.7 | 0.7 | 97.72 | -61.9 | 0.0 | 62.2 | 60.8 | 1.38 | 45.140 ES | | |
| 400.0 | 399.7 | 403.9 | 403.8 | 1.0 | 1.0 | 101.43 | -62.1 | 2.3 | 63.3 | 61.4 | 1.92 | 32.901 | | |
| 500.0 | 499.1 | 503.9 | 503.7 | 1.3 | 1.2 | 104.88 | -62.6 | 9.0 | 65.4 | 62.8 | 2.53 | 25.850 | | |
| 600.0 | 598.0 | 604.2 | 603.3 | 1.7 | 1.6 | 107.93 | -63.3 | 20.1 | 68.4 | 65.2 | 3.24 | 21.108 | | |
| 700.0 | 696.0 | 704.6 | 702.5 | 2.2 | 1.9 | 110.53 | -64.4 | 35.5 | 72.3 | 68.2 | 4.08 | 17.709 | | |
| 800.0 | 793.2 | 805.1 | 801.0 | 2.7 | 2.4 | 112.65 | -65.8 | 55.3 | 77.0 | 72.0 | 5.08 | 15.174 | | |
| 900.0 | 889.2 | 905.8 | 898.7 | 3.4 | 3.0 | 114.31 | -67.5 | 79.4 | 82.5 | 76.3 | 6.24 | 13.230 | | |
| 1,000.0 | 983.9 | 1,006.6 | 995.4 | 4.2 | 3.6 | 115.55 | -69.5 | 107.8 | 88.8 | 81.2 | 7.58 | 11.707 | | |
| 1,100.0 | 1,077.0 | 1,107.5 | 1,090.9 | 5.1 | 4.4 | 116.42 | -71.8 | 140.4 | 95.7 | 86.5 | 9.12 | 10.490 | | |
| 1,200.0 | 1,168.6 | 1,208.6 | 1,184.9 | 6.1 | 5.3 | 116.98 | -74.4 | 177.3 | 103.2 | 92.3 | 10.86 | 9.500 | | |
| 1,300.0 | 1,258.3 | 1,309.7 | 1,277.4 | 7.2 | 6.3 | 117.26 | -77.2 | 218.3 | 111.4 | 98.5 | 12.83 | 8.683 | | |
| 1,400.0 | 1,345.9 | 1,411.0 | 1,368.0 | 8.4 | 7.5 | 117.32 | -80.4 | 263.4 | 120.1 | 105.1 | 15.02 | 7.998 | | |
| 1,500.0 | 1,431.4 | 1,512.3 | 1,456.6 | 9.8 | 8.7 | 117.21 | -83.9 | 312.5 | 129.5 | 112.0 | 17.45 | 7.418 | | |
| 1,600.0 | 1,514.5 | 1,613.7 | 1,543.0 | 11.3 | 10.2 | 116.95 | -87.6 | 365.4 | 139.4 | 119.2 | 20.13 | 6.922 | | |
| 1,700.0 | 1,595.2 | 1,715.2 | 1,627.0 | 12.9 | 11.7 | 116.57 | -91.6 | 422.2 | 149.8 | 126.8 | 23.07 | 6.494 | | |
| 1,800.0 | 1,673.2 | 1,816.8 | 1,708.5 | 14.6 | 13.4 | 116.09 | -95.8 | 482.7 | 160.8 | 134.5 | 26.27 | 6.122 | | |
| 1,900.0 | 1,748.3 | 1,918.5 | 1,787.3 | 16.5 | 15.2 | 115.55 | -100.3 | 546.8 | 172.3 | 142.6 | 29.72 | 5.796 | | |
| 2,000.0 | 1,820.6 | 2,020.2 | 1,863.2 | 18.5 | 17.1 | 114.95 | -105.0 | 614.3 | 184.3 | 150.8 | 33.44 | 5.509 | | |
| 2,100.0 | 1,889.7 | 2,122.0 | 1,936.1 | 20.6 | 19.2 | 114.31 | -110.0 | 685.2 | 196.7 | 159.3 | 37.43 | 5.256 | | |
| 2,200.0 | 1,955.6 | 2,223.9 | 2,005.7 | 22.8 | 21.4 | 113.63 | -115.2 | 759.3 | 209.6 | 168.0 | 41.67 | 5.031 | | |
| 2,300.0 | 2,018.2 | 2,325.8 | 2,072.1 | 25.2 | 23.7 | 112.93 | -120.6 | 836.4 | 223.0 | 176.8 | 46.16 | 4.831 | | |
| 2,335.1 | 2,039.4 | 2,361.6 | 2,094.6 | 26.0 | 24.6 | 112.68 | -122.6 | 864.2 | 227.8 | 180.0 | 47.80 | 4.766 | | |
| 2,400.0 | 2,078.1 | 2,426.3 | 2,134.5 | 27.6 | 26.1 | 112.34 | -126.1 | 915.1 | 236.6 | 185.7 | 50.85 | 4.653 | | |
| 2,500.0 | 2,137.8 | 2,525.4 | 2,195.6 | 30.1 | 28.5 | 111.85 | -131.6 | 992.9 | 250.1 | 194.6 | 55.57 | 4.501 | | |
| 2,600.0 | 2,197.4 | 2,624.4 | 2,256.6 | 32.6 | 30.9 | 111.41 | -137.0 | 1,070.7 | 263.7 | 203.4 | 60.32 | 4.372 | | |
| 2,700.0 | 2,257.1 | 2,723.5 | 2,317.7 | 35.0 | 33.3 | 111.01 | -142.5 | 1,148.5 | 277.2 | 212.2 | 65.08 | 4.260 | | |
| 2,800.0 | 2,316.7 | 2,822.5 | 2,378.7 | 37.5 | 35.7 | 110.65 | -148.0 | 1,226.4 | 290.8 | 221.0 | 69.86 | 4.163 | | |
| 2,900.0 | 2,376.4 | 2,921.6 | 2,439.7 | 40.0 | 38.2 | 110.32 | -153.4 | 1,304.2 | 304.4 | 229.8 | 74.65 | 4.078 | | |
| 3,000.0 | 2,436.0 | 3,020.7 | 2,500.8 | 42.5 | 40.6 | 110.02 | -158.9 | 1,382.0 | 318.0 | 238.5 | 79.45 | 4.002 | | |
| 3,100.0 | 2,495.7 | 3,119.7 | 2,561.8 | 45.0 | 43.0 | 109.74 | -164.3 | 1,459.8 | 331.6 | 247.3 | 84.26 | 3.935 | | |
| 3,200.0 | 2,555.3 | 3,218.8 | 2,622.9 | 47.5 | 45.5 | 109.49 | -169.8 | 1,537.7 | 345.2 | 256.1 | 89.08 | 3.875 | | |
| 3,300.0 | 2,615.0 | 3,317.8 | 2,683.9 | 50.0 | 47.9 | 109.25 | -175.3 | 1,615.5 | 358.8 | 264.9 | 93.90 | 3.821 | | |
| 3,400.0 | 2,674.6 | 3,416.9 | 2,744.9 | 52.5 | 50.3 | 109.03 | -180.7 | 1,693.3 | 372.5 | 273.7 | 98.73 | 3.772 | | |
| 3,500.0 | 2,734.3 | 3,516.0 | 2,806.0 | 55.0 | 52.8 | 108.83 | -186.2 | 1,771.1 | 386.1 | 282.5 | 103.56 | 3.728 | | |
| 3,600.0 | 2,793.9 | 3,615.0 | 2,867.0 | 57.5 | 55.2 | 108.64 | -191.6 | 1,849.0 | 399.7 | 291.3 | 108.40 | 3.687 | | |
| 3,700.0 | 2,853.6 | 3,714.1 | 2,928.1 | 60.0 | 57.7 | 108.47 | -197.1 | 1,926.8 | 413.4 | 300.1 | 113.24 | 3.650 | | |
| 3,800.0 | 2,913.2 | 3,813.1 | 2,989.1 | 62.5 | 60.1 | 108.30 | -202.6 | 2,004.6 | 427.0 | 308.9 | 118.08 | 3.616 | | |
| 3,900.0 | 2,972.9 | 3,912.2 | 3,050.1 | 65.0 | 62.5 | 108.15 | -208.0 | 2,082.4 | 440.6 | 317.7 | 122.93 | 3.585 | | |
| 4,000.0 | 3,032.6 | 4,011.2 | 3,111.2 | 67.5 | 65.0 | 108.00 | -213.5 | 2,160.3 | 454.3 | 326.5 | 127.77 | 3.555 | | |
| 4,100.0 | 3,092.2 | 4,110.3 | 3,172.2 | 70.0 | 67.4 | 107.86 | -218.9 | 2,238.1 | 467.9 | 335.3 | 132.62 | 3.528 | | |
| 4,200.0 | 3,151.9 | 4,209.4 | 3,233.3 | 72.5 | 69.9 | 107.73 | -224.4 | 2,315.9 | 481.6 | 344.1 | 137.48 | 3.503 | | |
| 4,300.0 | 3,211.5 | 4,308.4 | 3,294.3 | 75.0 | 72.3 | 107.61 | -229.8 | 2,393.7 | 495.2 | 352.9 | 142.33 | 3.480 | | |
| 4,400.0 | 3,271.2 | 4,407.5 | 3,355.4 | 77.5 | 74.8 | 107.50 | -235.3 | 2,471.6 | 508.9 | 361.7 | 147.18 | 3.458 | | |
| 4,500.0 | 3,330.8 | 4,506.5 | 3,416.4 | 80.0 | 77.2 | 107.39 | -240.8 | 2,549.4 | 522.5 | 370.5 | 152.04 | 3.437 | | |
| 4,560.2 | 3,366.7 | 4,566.2 | 3,453.1 | 81.5 | 78.7 | 107.32 | -244.1 | 2,596.2 | 530.8 | 375.8 | 154.96 | 3.425 | | |
| 4,600.0 | 3,391.4 | 4,605.6 | 3,477.4 | 82.5 | 79.7 | 108.13 | -246.2 | 2,627.2 | 536.1 | 379.3 | 156.71 | 3.421 | | |
| 4,650.0 | 3,425.1 | 4,654.9 | 3,507.8 | 83.5 | 80.9 | 108.89 | -248.9 | 2,665.9 | 542.3 | 383.2 | 159.04 | 3.410 | | |
| 4,700.0 | 3,461.5 | 4,703.7 | 3,537.9 | 84.4 | 82.1 | 109.44 | -251.6 | 2,704.3 | 548.1 | 386.5 | 161.51 | 3.393 | | |
| 4,750.0 | 3,500.5 | 4,745.8 | 3,564.3 | 85.3 | 83.1 | 110.12 | -254.0 | 2,737.0 | 553.8 | 390.0 | 163.73 | 3.382 | | |

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

| Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-4H - Wellbore #1 - Plan #2 (12-06-18) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|------------------------|---------------|----------------------------|-----------------------------|-------------------------------|----------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Highside Toolface (") | Offset Wellbore Centre | | Distance | | Minimum Separation (ft) | Separation Factor | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | | +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | | | | |
| 4,800.0 | 3,541.7 | 4,785.2 | 3,590.7 | 86.0 | 83.9 | 111.23 | -256.4 | 2,766.1 | 560.1 | 394.4 | 165.62 | 3.382 SF | | |
| 4,850.0 | 3,584.9 | 4,824.9 | 3,619.1 | 86.5 | 84.7 | 112.89 | -259.9 | 2,793.8 | 567.0 | 399.6 | 167.32 | 3.388 | | |
| 4,900.0 | 3,629.9 | 4,865.1 | 3,649.5 | 87.0 | 85.4 | 115.38 | -261.6 | 2,819.9 | 574.5 | 405.6 | 168.84 | 3.402 | | |
| 4,950.0 | 3,676.4 | 4,905.7 | 3,681.8 | 87.4 | 86.1 | 119.23 | -264.5 | 2,844.2 | 582.6 | 412.4 | 170.16 | 3.424 | | |
| 5,000.0 | 3,724.1 | 4,946.9 | 3,716.2 | 87.7 | 86.6 | 125.43 | -267.6 | 2,866.8 | 591.3 | 420.0 | 171.28 | 3.452 | | |
| 5,050.0 | 3,772.6 | 4,988.6 | 3,752.4 | 87.9 | 87.1 | 136.02 | -270.8 | 2,887.3 | 600.6 | 428.4 | 172.19 | 3.488 | | |
| 5,100.0 | 3,821.8 | 5,031.1 | 3,790.5 | 88.0 | 87.6 | 154.67 | -274.2 | 2,905.7 | 610.4 | 437.5 | 172.93 | 3.530 | | |
| 5,150.0 | 3,871.2 | 5,074.4 | 3,830.5 | 88.1 | 87.9 | -176.66 | -277.8 | 2,921.8 | 620.7 | 447.2 | 173.49 | 3.578 | | |
| 5,200.0 | 3,920.7 | 5,118.5 | 3,872.3 | 88.1 | 88.2 | -148.43 | -281.5 | 2,935.3 | 631.5 | 457.6 | 173.90 | 3.632 | | |
| 5,250.0 | 3,969.8 | 5,163.7 | 3,916.0 | 88.0 | 88.4 | -130.34 | -285.4 | 2,946.1 | 642.7 | 468.6 | 174.15 | 3.691 | | |
| 5,300.0 | 4,018.3 | 5,210.0 | 3,961.4 | 87.9 | 88.6 | -120.03 | -289.4 | 2,954.0 | 654.3 | 480.0 | 174.27 | 3.754 | | |
| 5,350.0 | 4,065.9 | 5,257.6 | 4,008.6 | 87.9 | 88.7 | -113.93 | -293.6 | 2,958.5 | 666.1 | 491.9 | 174.28 | 3.822 | | |
| 5,400.0 | 4,112.3 | 5,306.6 | 4,057.4 | 87.8 | 88.7 | -110.09 | -298.0 | 2,959.5 | 678.2 | 504.0 | 174.18 | 3.894 | | |
| 5,450.0 | 4,157.2 | 5,357.3 | 4,107.8 | 87.7 | 88.7 | -107.56 | -302.5 | 2,956.6 | 690.4 | 516.4 | 174.00 | 3.968 | | |
| 5,500.0 | 4,200.4 | 5,409.7 | 4,159.5 | 87.6 | 88.6 | -105.85 | -307.1 | 2,949.4 | 702.7 | 528.9 | 173.76 | 4.044 | | |
| 5,550.0 | 4,241.4 | 5,464.2 | 4,212.4 | 87.5 | 88.5 | -104.66 | -311.8 | 2,937.3 | 714.9 | 541.4 | 173.48 | 4.121 | | |
| 5,600.0 | 4,280.2 | 5,520.9 | 4,266.2 | 87.5 | 88.4 | -103.85 | -316.6 | 2,920.0 | 726.9 | 553.7 | 173.17 | 4.197 | | |
| 5,650.0 | 4,316.5 | 5,579.9 | 4,320.3 | 87.5 | 88.3 | -103.31 | -321.4 | 2,897.0 | 738.6 | 565.7 | 172.87 | 4.272 | | |
| 5,700.0 | 4,350.0 | 5,641.6 | 4,374.3 | 87.5 | 88.2 | -102.96 | -326.2 | 2,867.6 | 749.8 | 577.2 | 172.60 | 4.344 | | |
| 5,750.0 | 4,380.6 | 5,706.1 | 4,427.5 | 87.6 | 88.1 | -102.76 | -330.9 | 2,831.5 | 760.5 | 588.1 | 172.39 | 4.411 | | |
| 5,800.0 | 4,408.0 | 5,773.3 | 4,478.8 | 87.8 | 88.0 | -102.67 | -335.5 | 2,788.3 | 770.4 | 598.1 | 172.27 | 4.472 | | |
| 5,850.0 | 4,432.0 | 5,843.5 | 4,527.1 | 88.0 | 88.1 | -102.65 | -339.8 | 2,737.7 | 779.4 | 607.1 | 172.27 | 4.524 | | |
| 5,900.0 | 4,452.7 | 5,916.6 | 4,571.2 | 88.2 | 88.2 | -102.67 | -343.7 | 2,679.6 | 787.3 | 614.9 | 172.43 | 4.566 | | |
| 5,950.0 | 4,469.7 | 5,992.2 | 4,609.7 | 88.5 | 88.5 | -102.71 | -347.1 | 2,614.6 | 794.1 | 621.3 | 172.78 | 4.596 | | |
| 6,000.0 | 4,483.0 | 6,070.1 | 4,640.9 | 88.8 | 88.9 | -102.74 | -349.8 | 2,543.3 | 799.4 | 626.1 | 173.34 | 4.612 | | |

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.0 | 0.0 | 2.0 | 2.0 | 0.0 | 0.0 | -180.00 | -32.8 | 0.0 | 32.8 | 32.8 | 0.00 | N/A | | |
| 100.0 | 100.0 | 102.0 | 102.0 | 0.1 | 0.1 | -180.00 | -32.8 | 0.0 | 32.8 | 32.5 | 0.28 | 116.747 | | |
| 200.0 | 200.0 | 202.0 | 202.0 | 0.4 | 0.4 | 180.00 | -32.8 | 0.0 | 32.8 | 32.0 | 0.83 | 39.439 | | |
| 200.7 | 200.7 | 202.7 | 202.7 | 0.4 | 0.4 | 95.73 | -32.8 | 0.0 | 32.8 | 32.0 | 0.84 | 39.256 CC | | |
| 300.0 | 300.0 | 302.0 | 302.0 | 0.7 | 0.7 | 95.55 | -32.7 | 2.3 | 32.9 | 31.6 | 1.36 | 24.195 | | |
| 400.0 | 399.7 | 402.1 | 401.8 | 1.0 | 1.0 | 95.34 | -32.5 | 8.9 | 33.4 | 31.5 | 1.93 | 17.360 | | |
| 500.0 | 499.1 | 502.1 | 501.2 | 1.3 | 1.3 | 95.09 | -32.3 | 19.9 | 34.2 | 31.6 | 2.59 | 13.233 | | |
| 600.0 | 598.0 | 602.1 | 600.0 | 1.7 | 1.7 | 94.82 | -31.8 | 35.2 | 35.3 | 31.9 | 3.38 | 10.459 | | |
| 700.0 | 696.0 | 702.1 | 698.1 | 2.2 | 2.2 | 94.53 | -31.3 | 54.8 | 36.7 | 32.4 | 4.33 | 8.484 | | |
| 800.0 | 793.2 | 802.1 | 795.2 | 2.7 | 2.7 | 94.24 | -30.7 | 78.6 | 38.5 | 33.0 | 5.47 | 7.035 | | |
| 900.0 | 889.2 | 902.1 | 891.2 | 3.4 | 3.4 | 93.95 | -29.9 | 106.7 | 40.5 | 33.7 | 6.81 | 5.951 | | |
| 1,000.0 | 983.9 | 1,002.1 | 985.8 | 4.2 | 4.2 | 93.66 | -29.0 | 138.9 | 42.8 | 34.5 | 8.36 | 5.125 | | |
| 1,100.0 | 1,077.0 | 1,102.0 | 1,078.9 | 5.1 | 5.1 | 93.39 | -28.1 | 175.2 | 45.5 | 35.4 | 10.14 | 4.488 | | |
| 1,200.0 | 1,168.6 | 1,201.9 | 1,170.3 | 6.1 | 6.1 | 93.13 | -27.0 | 215.5 | 48.4 | 36.3 | 12.14 | 3.988 | | |
| 1,300.0 | 1,258.3 | 1,301.9 | 1,259.9 | 7.2 | 7.2 | 92.88 | -25.8 | 259.7 | 51.7 | 37.3 | 14.39 | 3.590 | | |
| 1,400.0 | 1,345.9 | 1,401.8 | 1,347.4 | 8.4 | 8.5 | 92.64 | -24.5 | 307.8 | 55.2 | 38.3 | 16.88 | 3.269 | | |
| 1,500.0 | 1,431.4 | 1,501.6 | 1,432.8 | 9.8 | 9.8 | 92.42 | -23.1 | 359.7 | 58.9 | 39.3 | 19.61 | 3.006 | | |
| 1,600.0 | 1,514.5 | 1,601.5 | 1,515.8 | 11.3 | 11.3 | 92.22 | -21.6 | 415.2 | 63.0 | 40.4 | 22.59 | 2.788 | | |
| 1,700.0 | 1,595.2 | 1,701.4 | 1,596.3 | 12.9 | 13.0 | 92.03 | -20.0 | 474.3 | 67.3 | 41.5 | 25.83 | 2.606 | | |
| 1,800.0 | 1,673.2 | 1,801.2 | 1,674.1 | 14.6 | 14.7 | 91.85 | -18.3 | 536.8 | 71.9 | 42.6 | 29.31 | 2.452 | | |
| 1,900.0 | 1,748.3 | 1,901.0 | 1,749.1 | 16.5 | 16.6 | 91.68 | -16.5 | 602.6 | 76.7 | 43.6 | 33.05 | 2.320 | | |
| 2,000.0 | 1,820.6 | 2,000.8 | 1,821.1 | 18.5 | 18.6 | 91.52 | -14.6 | 671.6 | 81.7 | 44.7 | 37.04 | 2.207 | | |
| 2,100.0 | 1,889.7 | 2,100.5 | 1,890.1 | 20.6 | 20.7 | 91.37 | -12.7 | 743.6 | 87.0 | 45.7 | 41.27 | 2.108 | | |
| 2,200.0 | 1,955.6 | 2,200.4 | 1,956.9 | 22.8 | 22.9 | 92.08 | -10.7 | 817.7 | 92.4 | 46.7 | 45.71 | 2.023 | | |
| 2,300.0 | 2,018.2 | 2,300.0 | 2,023.6 | 25.2 | 25.1 | 95.19 | -8.7 | 891.8 | 98.2 | 48.0 | 50.19 | 1.957 | | |
| 2,335.1 | 2,039.4 | 2,335.0 | 2,047.0 | 26.0 | 25.9 | 96.76 | -8.0 | 917.8 | 100.4 | 48.7 | 51.72 | 1.942 | | |
| 2,400.0 | 2,078.1 | 2,399.5 | 2,090.1 | 27.6 | 27.4 | 99.86 | -6.7 | 965.7 | 104.8 | 50.4 | 54.44 | 1.926 | | |
| 2,500.0 | 2,137.8 | 2,498.9 | 2,156.6 | 30.1 | 29.6 | 104.14 | -4.7 | 1,039.5 | 112.1 | 53.7 | 58.38 | 1.921 | | |
| 2,600.0 | 2,197.4 | 2,598.3 | 2,223.1 | 32.6 | 31.8 | 107.89 | -2.7 | 1,113.4 | 120.0 | 57.9 | 62.05 | 1.933 | | |
| 2,700.0 | 2,257.1 | 2,697.7 | 2,289.6 | 35.0 | 34.1 | 111.16 | -0.7 | 1,187.3 | 128.3 | 62.7 | 65.52 | 1.958 | | |
| 2,800.0 | 2,316.7 | 2,797.1 | 2,356.1 | 37.5 | 36.3 | 114.03 | 1.3 | 1,261.1 | 136.9 | 68.1 | 68.82 | 1.989 | | |
| 2,900.0 | 2,376.4 | 2,896.5 | 2,422.6 | 40.0 | 38.6 | 116.55 | 3.3 | 1,335.0 | 145.9 | 73.9 | 72.00 | 2.026 | | |
| 3,000.0 | 2,436.0 | 2,995.9 | 2,489.1 | 42.5 | 40.8 | 118.78 | 5.3 | 1,408.9 | 155.1 | 80.0 | 75.07 | 2.066 | | |
| 3,100.0 | 2,495.7 | 3,095.3 | 2,555.6 | 45.0 | 43.1 | 120.76 | 7.3 | 1,482.7 | 164.5 | 86.4 | 78.07 | 2.107 | | |
| 3,200.0 | 2,555.3 | 3,194.7 | 2,622.1 | 47.5 | 45.3 | 122.52 | 9.3 | 1,556.6 | 174.1 | 93.1 | 81.01 | 2.149 | | |
| 3,300.0 | 2,615.0 | 3,294.1 | 2,688.6 | 50.0 | 47.6 | 124.10 | 11.3 | 1,630.4 | 183.8 | 99.9 | 83.90 | 2.191 | | |
| 3,400.0 | 2,674.6 | 3,393.5 | 2,755.1 | 52.5 | 49.8 | 125.52 | 13.3 | 1,704.3 | 193.7 | 106.9 | 86.76 | 2.233 | | |
| 3,500.0 | 2,734.3 | 3,492.9 | 2,821.5 | 55.0 | 52.1 | 126.80 | 15.3 | 1,778.2 | 203.7 | 114.1 | 89.59 | 2.273 | | |
| 3,600.0 | 2,793.9 | 3,592.3 | 2,888.0 | 57.5 | 54.3 | 127.96 | 17.3 | 1,852.0 | 213.7 | 121.3 | 92.40 | 2.313 | | |
| 3,700.0 | 2,853.6 | 3,691.7 | 2,954.5 | 60.0 | 56.6 | 129.02 | 19.3 | 1,925.9 | 223.9 | 128.7 | 95.19 | 2.352 | | |
| 3,800.0 | 2,913.2 | 3,791.1 | 3,021.0 | 62.5 | 58.8 | 129.98 | 21.3 | 1,999.7 | 234.1 | 136.1 | 97.96 | 2.389 | | |
| 3,900.0 | 2,972.9 | 3,890.5 | 3,087.5 | 65.0 | 61.1 | 130.87 | 23.3 | 2,073.6 | 244.3 | 143.6 | 100.73 | 2.426 | | |
| 4,000.0 | 3,032.6 | 3,989.9 | 3,154.0 | 67.5 | 63.4 | 131.68 | 25.3 | 2,147.5 | 254.7 | 151.2 | 103.49 | 2.461 | | |
| 4,100.0 | 3,092.2 | 4,089.3 | 3,220.5 | 70.0 | 65.6 | 132.43 | 27.3 | 2,221.3 | 265.0 | 158.8 | 106.24 | 2.495 | | |
| 4,200.0 | 3,151.9 | 4,188.7 | 3,287.0 | 72.5 | 67.9 | 133.12 | 29.3 | 2,295.2 | 275.4 | 166.5 | 108.99 | 2.527 | | |
| 4,300.0 | 3,211.5 | 4,288.1 | 3,353.5 | 75.0 | 70.1 | 133.76 | 31.3 | 2,369.1 | 285.9 | 174.2 | 111.73 | 2.559 | | |
| 4,400.0 | 3,271.2 | 4,387.5 | 3,420.0 | 77.5 | 72.4 | 134.36 | 33.3 | 2,442.9 | 296.4 | 181.9 | 114.47 | 2.589 | | |
| 4,500.0 | 3,330.8 | 4,486.9 | 3,486.5 | 80.0 | 74.7 | 134.91 | 35.3 | 2,516.8 | 306.9 | 189.7 | 117.21 | 2.618 | | |
| 4,560.2 | 3,366.7 | 4,546.8 | 3,526.5 | 81.5 | 76.0 | 135.23 | 36.5 | 2,561.2 | 313.2 | 194.4 | 118.86 | 2.635 | | |
| 4,600.0 | 3,391.4 | 4,586.4 | 3,553.0 | 82.5 | 76.9 | 136.02 | 37.2 | 2,590.7 | 316.7 | 196.7 | 120.04 | 2.638 | | |
| 4,650.0 | 3,425.1 | 4,636.3 | 3,586.4 | 83.5 | 78.1 | 136.48 | 38.3 | 2,627.8 | 319.0 | 196.5 | 122.55 | 2.603 | | |
| 4,700.0 | 3,461.5 | 4,685.9 | 3,619.6 | 84.4 | 79.2 | 136.42 | 39.2 | 2,664.6 | 319.2 | 193.0 | 126.21 | 2.529 | | |

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

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|------------------------|------------------------|------------------------|------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|-------------------------------|----------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 4,750.0 | 3,500.5 | 4,735.0 | 3,652.4 | 85.3 | 80.3 | 135.91 | 40.2 | 2,701.1 | 317.3 | 186.4 | 130.96 | 2.423 | | |
| 4,800.0 | 3,541.7 | 4,783.3 | 3,684.7 | 86.0 | 81.4 | 135.07 | 41.2 | 2,737.0 | 313.8 | 177.1 | 136.69 | 2.295 | | |
| 4,850.0 | 3,584.9 | 4,824.3 | 3,712.5 | 86.5 | 82.3 | 134.56 | 42.0 | 2,767.1 | 309.2 | 166.9 | 142.34 | 2.172 | | |
| 4,900.0 | 3,629.9 | 4,862.1 | 3,739.6 | 87.0 | 83.0 | 134.87 | 42.9 | 2,793.4 | 305.0 | 157.5 | 147.58 | 2.067 | | |
| 4,950.0 | 3,676.4 | 4,900.0 | 3,768.3 | 87.4 | 83.7 | 136.40 | 43.8 | 2,818.2 | 301.6 | 149.0 | 152.58 | 1.977 | | |
| 5,000.0 | 3,724.1 | 4,939.3 | 3,799.6 | 87.7 | 84.3 | 140.08 | 44.7 | 2,842.0 | 299.0 | 141.7 | 157.32 | 1.901 | | |
| 5,050.0 | 3,772.6 | 4,979.0 | 3,832.6 | 87.9 | 84.9 | 148.04 | 45.8 | 2,864.0 | 297.5 | 135.9 | 161.58 | 1.841 | | |
| 5,088.3 | 3,810.2 | 5,009.9 | 3,859.2 | 88.0 | 85.2 | 159.30 | 46.6 | 2,879.6 | 297.1 | 132.6 | 164.47 | 1.807 | | |
| 5,100.0 | 3,821.8 | 5,019.4 | 3,867.5 | 88.0 | 85.3 | 163.97 | 46.9 | 2,884.2 | 297.2 | 131.9 | 165.28 | 1.798 | | |
| 5,150.0 | 3,871.2 | 5,060.7 | 3,904.5 | 88.1 | 85.8 | -170.15 | 48.1 | 2,902.6 | 298.1 | 129.8 | 168.30 | 1.772 | | |
| 5,200.0 | 3,920.7 | 5,103.0 | 3,943.5 | 88.1 | 86.1 | -144.74 | 49.3 | 2,918.9 | 300.6 | 130.0 | 170.57 | 1.762 | | |
| 5,250.0 | 3,969.8 | 5,146.5 | 3,984.6 | 88.0 | 86.4 | -129.45 | 50.7 | 2,932.9 | 304.5 | 132.5 | 172.02 | 1.770 | | |
| 5,300.0 | 4,018.3 | 5,191.2 | 4,027.9 | 87.9 | 86.7 | -121.92 | 52.1 | 2,944.3 | 309.9 | 137.3 | 172.65 | 1.795 | | |
| 5,350.0 | 4,065.9 | 5,237.4 | 4,073.2 | 87.9 | 86.8 | -118.52 | 53.6 | 2,952.9 | 316.8 | 144.3 | 172.48 | 1.837 | | |
| 5,400.0 | 4,112.3 | 5,285.3 | 4,120.7 | 87.8 | 86.9 | -117.29 | 55.2 | 2,958.3 | 325.1 | 153.5 | 171.57 | 1.895 | | |
| 5,450.0 | 4,157.2 | 5,335.0 | 4,170.3 | 87.7 | 87.0 | -117.25 | 56.8 | 2,960.1 | 334.7 | 164.7 | 169.98 | 1.969 | | |
| 5,500.0 | 4,200.4 | 5,386.8 | 4,222.1 | 87.6 | 87.0 | -117.90 | 58.6 | 2,957.9 | 345.3 | 177.5 | 167.81 | 2.058 | | |
| 5,550.0 | 4,241.4 | 5,441.0 | 4,275.8 | 87.5 | 86.9 | -118.94 | 60.4 | 2,951.1 | 356.9 | 191.7 | 165.17 | 2.161 | | |
| 5,600.0 | 4,280.2 | 5,497.9 | 4,331.3 | 87.5 | 86.8 | -120.21 | 62.3 | 2,939.0 | 369.2 | 207.0 | 162.15 | 2.277 | | |
| 5,650.0 | 4,316.5 | 5,557.8 | 4,388.4 | 87.5 | 86.7 | -121.60 | 64.3 | 2,921.0 | 381.9 | 223.0 | 158.88 | 2.404 | | |
| 5,700.0 | 4,350.0 | 5,621.0 | 4,446.5 | 87.5 | 86.5 | -123.03 | 66.3 | 2,896.3 | 394.8 | 239.3 | 155.47 | 2.539 | | |
| 5,750.0 | 4,380.6 | 5,687.9 | 4,505.0 | 87.6 | 86.4 | -124.46 | 68.4 | 2,864.0 | 407.5 | 255.4 | 152.06 | 2.680 | | |
| 5,800.0 | 4,408.0 | 5,758.7 | 4,562.9 | 87.8 | 86.3 | -125.83 | 70.5 | 2,823.4 | 419.8 | 271.0 | 148.76 | 2.822 | | |
| 5,850.0 | 4,432.0 | 5,833.6 | 4,618.8 | 88.0 | 86.3 | -127.10 | 72.5 | 2,773.6 | 431.2 | 285.5 | 145.73 | 2.959 | | |
| 5,900.0 | 4,452.7 | 5,912.6 | 4,671.0 | 88.2 | 86.4 | -128.24 | 74.5 | 2,714.4 | 441.5 | 298.4 | 143.10 | 3.086 | | |
| 5,950.0 | 4,469.7 | 5,995.7 | 4,717.6 | 88.5 | 86.6 | -129.21 | 76.3 | 2,645.7 | 450.4 | 309.4 | 141.02 | 3.194 | | |
| 6,000.0 | 4,483.0 | 6,082.4 | 4,756.2 | 88.8 | 86.9 | -129.95 | 77.8 | 2,568.2 | 457.4 | 317.8 | 139.62 | 3.276 | | |
| 6,050.0 | 4,492.5 | 6,171.9 | 4,784.7 | 89.2 | 87.4 | -130.44 | 79.0 | 2,483.4 | 462.4 | 323.4 | 138.98 | 3.327 | | |
| 6,100.0 | 4,498.2 | 6,263.3 | 4,801.2 | 89.5 | 88.0 | -130.66 | 79.9 | 2,393.6 | 465.0 | 325.9 | 139.14 | 3.342 | | |
| 6,150.0 | 4,500.1 | 6,349.0 | 4,804.9 | 89.9 | 88.7 | -130.60 | 80.3 | 2,308.0 | 465.4 | 325.4 | 140.01 | 3.324 | | |
| 6,155.7 | 4,500.0 | 6,354.7 | 4,804.8 | 90.0 | 88.7 | -130.60 | 80.3 | 2,302.4 | 465.4 | 325.3 | 140.08 | 3.322 | | |
| 6,158.5 | 4,500.0 | 6,357.5 | 4,804.8 | 90.0 | 88.7 | -130.60 | 80.3 | 2,299.5 | 465.4 | 325.2 | 140.12 | 3.321 | | |
| 6,200.0 | 4,499.4 | 6,399.0 | 4,804.3 | 90.4 | 89.1 | -130.60 | 80.4 | 2,258.0 | 465.5 | 324.7 | 140.74 | 3.307 | | |
| 6,300.0 | 4,497.8 | 6,499.0 | 4,803.0 | 91.3 | 90.0 | -130.63 | 80.7 | 2,158.0 | 465.7 | 323.3 | 142.37 | 3.271 | | |
| 6,400.0 | 4,496.3 | 6,599.0 | 4,801.7 | 92.4 | 91.0 | -130.65 | 81.0 | 2,058.0 | 465.9 | 321.7 | 144.19 | 3.231 | | |
| 6,500.0 | 4,494.7 | 6,699.0 | 4,800.5 | 93.5 | 92.2 | -130.67 | 81.3 | 1,958.0 | 466.2 | 320.0 | 146.17 | 3.189 | | |
| 6,600.0 | 4,493.2 | 6,799.0 | 4,799.2 | 94.8 | 93.4 | -130.69 | 81.6 | 1,858.0 | 466.4 | 318.1 | 148.32 | 3.144 | | |
| 6,700.0 | 4,491.6 | 6,899.0 | 4,798.0 | 96.2 | 94.8 | -130.71 | 81.8 | 1,758.1 | 466.6 | 316.0 | 150.63 | 3.098 | | |
| 6,800.0 | 4,490.1 | 6,999.0 | 4,796.7 | 97.7 | 96.3 | -130.73 | 82.1 | 1,658.1 | 466.9 | 313.8 | 153.09 | 3.050 | | |
| 6,900.0 | 4,488.5 | 7,099.0 | 4,795.4 | 99.3 | 97.9 | -130.75 | 82.4 | 1,558.1 | 467.1 | 311.4 | 155.70 | 3.000 | | |
| 7,000.0 | 4,487.0 | 7,199.0 | 4,794.2 | 100.9 | 99.5 | -130.77 | 82.7 | 1,458.1 | 467.4 | 308.9 | 158.43 | 2.950 | | |
| 7,100.0 | 4,485.4 | 7,299.0 | 4,792.9 | 102.7 | 101.3 | -130.79 | 83.0 | 1,358.1 | 467.6 | 306.3 | 161.30 | 2.899 | | |
| 7,200.0 | 4,483.9 | 7,399.0 | 4,791.6 | 104.5 | 103.1 | -130.81 | 83.3 | 1,258.1 | 467.8 | 303.5 | 164.29 | 2.848 | | |
| 7,300.0 | 4,482.3 | 7,499.0 | 4,790.4 | 106.5 | 105.1 | -130.83 | 83.5 | 1,158.1 | 468.1 | 300.7 | 167.39 | 2.796 | | |
| 7,400.0 | 4,480.8 | 7,599.0 | 4,789.1 | 108.5 | 107.1 | -130.85 | 83.8 | 1,058.1 | 468.3 | 297.7 | 170.60 | 2.745 | | |
| 7,500.0 | 4,479.3 | 7,699.0 | 4,787.8 | 110.6 | 109.1 | -130.87 | 84.1 | 958.1 | 468.5 | 294.6 | 173.92 | 2.694 | | |
| 7,600.0 | 4,477.7 | 7,799.0 | 4,786.6 | 112.7 | 111.3 | -130.89 | 84.4 | 858.1 | 468.8 | 291.5 | 177.33 | 2.644 | | |
| 7,700.0 | 4,476.2 | 7,899.0 | 4,785.3 | 114.9 | 113.5 | -130.91 | 84.7 | 758.1 | 469.0 | 288.2 | 180.83 | 2.594 | | |
| 7,800.0 | 4,474.6 | 7,999.0 | 4,784.0 | 117.2 | 115.8 | -130.93 | 85.0 | 658.2 | 469.3 | 284.9 | 184.41 | 2.545 | | |
| 7,900.0 | 4,473.1 | 8,099.0 | 4,782.8 | 119.5 | 118.1 | -130.95 | 85.2 | 558.2 | 469.5 | 281.4 | 188.08 | 2.496 | | |
| 8,000.0 | 4,471.5 | 8,199.0 | 4,781.5 | 121.9 | 120.5 | -130.97 | 85.5 | 458.2 | 469.7 | 277.9 | 191.81 | 2.449 | | |
| 8,100.0 | 4,470.0 | 8,299.0 | 4,780.2 | 124.3 | 122.9 | -130.99 | 85.8 | 358.2 | 470.0 | 274.4 | 195.62 | 2.402 | | |

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

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 8,200.0 | 4,468.4 | 8,399.0 | 4,779.0 | 126.8 | 125.3 | -131.01 | 86.1 | 258.2 | 470.2 | 270.7 | 199.50 | 2.357 | | |
| 8,300.0 | 4,466.9 | 8,499.0 | 4,777.7 | 129.3 | 127.9 | -131.03 | 86.4 | 158.2 | 470.5 | 267.0 | 203.44 | 2.313 | | |
| 8,400.0 | 4,465.3 | 8,599.0 | 4,776.5 | 131.8 | 130.4 | -131.05 | 86.7 | 58.2 | 470.7 | 263.3 | 207.43 | 2.269 | | |
| 8,500.0 | 4,463.8 | 8,699.0 | 4,775.2 | 134.4 | 133.0 | -131.07 | 86.9 | -41.8 | 470.9 | 259.4 | 211.49 | 2.227 | | |
| 8,600.0 | 4,462.2 | 8,799.0 | 4,773.9 | 137.1 | 135.7 | -131.09 | 87.2 | -141.8 | 471.2 | 255.6 | 215.59 | 2.186 | | |
| 8,700.0 | 4,460.7 | 8,899.0 | 4,772.7 | 139.8 | 138.3 | -131.11 | 87.5 | -241.8 | 471.4 | 251.7 | 219.74 | 2.145 | | |
| 8,800.0 | 4,459.2 | 8,999.0 | 4,771.4 | 142.5 | 141.0 | -131.13 | 87.8 | -341.8 | 471.6 | 247.7 | 223.94 | 2.106 | | |
| 8,900.0 | 4,457.6 | 9,099.0 | 4,770.1 | 145.2 | 143.8 | -131.15 | 88.1 | -441.8 | 471.9 | 243.7 | 228.18 | 2.068 | | |
| 9,000.0 | 4,456.1 | 9,199.0 | 4,768.9 | 148.0 | 146.5 | -131.17 | 88.4 | -541.7 | 472.1 | 239.7 | 232.46 | 2.031 | | |
| 9,100.0 | 4,454.5 | 9,299.0 | 4,767.6 | 150.8 | 149.3 | -131.19 | 88.6 | -641.7 | 472.4 | 235.6 | 236.78 | 1.995 | | |
| 9,200.0 | 4,453.0 | 9,399.0 | 4,766.3 | 153.6 | 152.2 | -131.21 | 88.9 | -741.7 | 472.6 | 231.5 | 241.13 | 1.960 | | |
| 9,300.0 | 4,451.4 | 9,499.0 | 4,765.1 | 156.4 | 155.0 | -131.23 | 89.2 | -841.7 | 472.8 | 227.3 | 245.52 | 1.926 | | |
| 9,400.0 | 4,449.9 | 9,599.0 | 4,763.8 | 159.3 | 157.9 | -131.25 | 89.5 | -941.7 | 473.1 | 223.1 | 249.94 | 1.893 | | |
| 9,500.0 | 4,448.3 | 9,699.0 | 4,762.5 | 162.2 | 160.8 | -131.27 | 89.8 | -1,041.7 | 473.3 | 218.9 | 254.39 | 1.861 | | |
| 9,600.0 | 4,446.8 | 9,799.0 | 4,761.3 | 165.1 | 163.7 | -131.29 | 90.1 | -1,141.7 | 473.6 | 214.7 | 258.86 | 1.829 | | |
| 9,700.0 | 4,445.2 | 9,899.0 | 4,760.0 | 168.0 | 166.6 | -131.31 | 90.3 | -1,241.7 | 473.8 | 210.4 | 263.37 | 1.799 | | |
| 9,800.0 | 4,443.7 | 9,999.0 | 4,758.8 | 171.0 | 169.6 | -131.33 | 90.6 | -1,341.7 | 474.0 | 206.1 | 267.90 | 1.770 | | |
| 9,900.0 | 4,442.1 | 10,099.0 | 4,757.5 | 174.0 | 172.5 | -131.35 | 90.9 | -1,441.7 | 474.3 | 201.8 | 272.45 | 1.741 | | |
| 10,000.0 | 4,440.6 | 10,199.0 | 4,756.2 | 176.9 | 175.5 | -131.37 | 91.2 | -1,541.7 | 474.5 | 197.5 | 277.02 | 1.713 | | |
| 10,100.0 | 4,439.1 | 10,299.0 | 4,755.0 | 179.9 | 178.5 | -131.39 | 91.5 | -1,641.6 | 474.8 | 193.1 | 281.62 | 1.686 | | |
| 10,200.0 | 4,437.5 | 10,399.0 | 4,753.7 | 183.0 | 181.5 | -131.41 | 91.8 | -1,741.6 | 475.0 | 188.8 | 286.24 | 1.659 | | |
| 10,300.0 | 4,436.0 | 10,499.0 | 4,752.4 | 186.0 | 184.6 | -131.43 | 92.0 | -1,841.6 | 475.2 | 184.4 | 290.87 | 1.634 | | |
| 10,400.0 | 4,434.4 | 10,599.0 | 4,751.2 | 189.0 | 187.6 | -131.45 | 92.3 | -1,941.6 | 475.5 | 180.0 | 295.52 | 1.609 | | |
| 10,500.0 | 4,432.9 | 10,699.0 | 4,749.9 | 192.1 | 190.7 | -131.47 | 92.6 | -2,041.6 | 475.7 | 175.5 | 300.19 | 1.585 | | |
| 10,600.0 | 4,431.3 | 10,799.0 | 4,748.6 | 195.2 | 193.8 | -131.49 | 92.9 | -2,141.6 | 476.0 | 171.1 | 304.88 | 1.561 | | |
| 10,700.0 | 4,429.8 | 10,899.0 | 4,747.4 | 198.3 | 196.9 | -131.51 | 93.2 | -2,241.6 | 476.2 | 166.6 | 309.58 | 1.538 | | |
| 10,800.0 | 4,428.2 | 10,999.0 | 4,746.1 | 201.4 | 200.0 | -131.53 | 93.4 | -2,341.6 | 476.4 | 162.1 | 314.29 | 1.516 | | |
| 10,900.0 | 4,426.7 | 11,099.0 | 4,744.8 | 204.5 | 203.1 | -131.55 | 93.7 | -2,441.6 | 476.7 | 157.7 | 319.02 | 1.494 Level 3 | | |
| 11,000.0 | 4,425.1 | 11,199.0 | 4,743.6 | 207.6 | 206.2 | -131.57 | 94.0 | -2,541.6 | 476.9 | 153.2 | 323.76 | 1.473 Level 3 | | |
| 11,100.0 | 4,423.6 | 11,299.0 | 4,742.3 | 210.7 | 209.3 | -131.59 | 94.3 | -2,641.6 | 477.2 | 148.6 | 328.52 | 1.452 Level 3 | | |
| 11,200.0 | 4,422.0 | 11,399.0 | 4,741.1 | 213.9 | 212.4 | -131.61 | 94.6 | -2,741.5 | 477.4 | 144.1 | 333.28 | 1.432 Level 3 | | |
| 11,300.0 | 4,420.5 | 11,499.0 | 4,739.8 | 217.0 | 215.6 | -131.63 | 94.9 | -2,841.5 | 477.6 | 139.6 | 338.05 | 1.413 Level 3 | | |
| 11,400.0 | 4,419.0 | 11,599.0 | 4,738.5 | 220.2 | 218.8 | -131.65 | 95.1 | -2,941.5 | 477.9 | 135.0 | 342.84 | 1.394 Level 3 | | |
| 11,500.0 | 4,417.4 | 11,699.0 | 4,737.3 | 223.3 | 221.9 | -131.67 | 95.4 | -3,041.5 | 478.1 | 130.5 | 347.64 | 1.375 Level 3 | | |
| 11,600.0 | 4,415.9 | 11,799.0 | 4,736.0 | 226.5 | 225.1 | -131.69 | 95.7 | -3,141.5 | 478.4 | 125.9 | 352.44 | 1.357 Level 3 | | |
| 11,700.0 | 4,414.3 | 11,899.0 | 4,734.7 | 229.7 | 228.3 | -131.71 | 96.0 | -3,241.5 | 478.6 | 121.4 | 357.25 | 1.340 Level 3 | | |
| 11,800.0 | 4,412.8 | 11,999.0 | 4,733.5 | 232.9 | 231.5 | -131.73 | 96.3 | -3,341.5 | 478.8 | 116.8 | 362.07 | 1.323 Level 3 | | |
| 11,900.0 | 4,411.2 | 12,099.0 | 4,732.2 | 236.1 | 234.7 | -131.75 | 96.6 | -3,441.5 | 479.1 | 112.2 | 366.90 | 1.306 Level 3 | | |
| 12,000.0 | 4,409.7 | 12,199.0 | 4,730.9 | 239.3 | 237.9 | -131.77 | 96.8 | -3,541.5 | 479.3 | 107.6 | 371.74 | 1.289 Level 3 | | |
| 12,100.0 | 4,408.1 | 12,299.0 | 4,729.7 | 242.5 | 241.1 | -131.79 | 97.1 | -3,641.5 | 479.6 | 103.0 | 376.58 | 1.273 Level 3 | | |
| 12,200.0 | 4,406.6 | 12,399.0 | 4,728.4 | 245.7 | 244.3 | -131.81 | 97.4 | -3,741.5 | 479.8 | 98.4 | 381.43 | 1.258 Level 3 | | |
| 12,300.0 | 4,405.0 | 12,499.0 | 4,727.1 | 248.9 | 247.5 | -131.82 | 97.7 | -3,841.5 | 480.1 | 93.8 | 386.29 | 1.243 Level 2 | | |
| 12,400.0 | 4,403.5 | 12,599.0 | 4,725.9 | 252.1 | 250.7 | -131.84 | 98.0 | -3,941.4 | 480.3 | 89.1 | 391.15 | 1.228 Level 2 | | |
| 12,500.0 | 4,401.9 | 12,699.0 | 4,724.6 | 255.4 | 254.0 | -131.86 | 98.3 | -4,041.4 | 480.5 | 84.5 | 396.02 | 1.213 Level 2 | | |
| 12,600.0 | 4,400.4 | 12,799.0 | 4,723.3 | 258.6 | 257.2 | -131.88 | 98.5 | -4,141.4 | 480.8 | 79.9 | 400.89 | 1.199 Level 2 | | |
| 12,700.0 | 4,398.9 | 12,899.0 | 4,722.1 | 261.9 | 260.4 | -131.90 | 98.8 | -4,241.4 | 481.0 | 75.3 | 405.77 | 1.185 Level 2 | | |
| 12,800.0 | 4,397.3 | 12,999.0 | 4,720.8 | 265.1 | 263.7 | -131.92 | 99.1 | -4,341.4 | 481.3 | 70.6 | 410.65 | 1.172 Level 2 | | |
| 12,900.0 | 4,395.8 | 13,099.0 | 4,719.6 | 268.4 | 267.0 | -131.94 | 99.4 | -4,441.4 | 481.5 | 66.0 | 415.54 | 1.159 Level 2 | | |
| 13,000.0 | 4,394.2 | 13,199.0 | 4,718.3 | 271.6 | 270.2 | -131.96 | 99.7 | -4,541.4 | 481.7 | 61.3 | 420.43 | 1.146 Level 2 | | |
| 13,100.0 | 4,392.7 | 13,299.0 | 4,717.0 | 274.9 | 273.5 | -131.98 | 100.0 | -4,641.4 | 482.0 | 56.7 | 425.32 | 1.133 Level 2 | | |
| 13,200.0 | 4,391.1 | 13,399.0 | 4,715.8 | 278.1 | 276.7 | -132.00 | 100.2 | -4,741.4 | 482.2 | 52.0 | 430.22 | 1.121 Level 2 | | |
| 13,300.0 | 4,389.6 | 13,499.0 | 4,714.5 | 281.4 | 280.0 | -132.02 | 100.5 | -4,841.4 | 482.5 | 47.3 | 435.12 | 1.109 Level 2 | | |

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

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-5H - Wellbore #1 - Plan #2 (12-06-18) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 13,400.0 | 4,388.0 | 13,599.0 | 4,713.2 | 284.7 | 283.3 | -132.04 | 100.8 | -4,941.4 | 482.7 | 42.7 | 440.03 | 1.097 | Level 2 | |
| 13,500.0 | 4,386.5 | 13,699.0 | 4,712.0 | 288.0 | 286.6 | -132.06 | 101.1 | -5,041.3 | 482.9 | 38.0 | 444.94 | 1.085 | Level 2 | |
| 13,600.0 | 4,384.9 | 13,799.0 | 4,710.7 | 291.2 | 289.8 | -132.07 | 101.4 | -5,141.3 | 483.2 | 33.3 | 449.85 | 1.074 | Level 2 | |
| 13,700.0 | 4,383.4 | 13,899.0 | 4,709.4 | 294.5 | 293.1 | -132.09 | 101.7 | -5,241.3 | 483.4 | 28.7 | 454.76 | 1.063 | Level 2 | |
| 13,800.0 | 4,381.8 | 13,999.0 | 4,708.2 | 297.8 | 296.4 | -132.11 | 101.9 | -5,341.3 | 483.7 | 24.0 | 459.68 | 1.052 | Level 2 | |
| 13,900.0 | 4,380.3 | 14,099.0 | 4,706.9 | 301.1 | 299.7 | -132.13 | 102.2 | -5,441.3 | 483.9 | 19.3 | 464.60 | 1.042 | Level 2 | |
| 14,000.0 | 4,378.8 | 14,199.0 | 4,705.6 | 304.4 | 303.0 | -132.15 | 102.5 | -5,541.3 | 484.2 | 14.6 | 469.52 | 1.031 | Level 2 | |
| 14,023.9 | 4,378.4 | 14,222.8 | 4,705.3 | 305.2 | 303.8 | -132.16 | 102.6 | -5,565.2 | 484.2 | 13.5 | 470.69 | 1.029 | Level 2, ES | |
| 14,100.0 | 4,377.2 | 14,250.1 | 4,705.0 | 307.7 | 304.7 | -132.16 | 102.6 | -5,592.4 | 486.9 | 13.6 | 473.27 | 1.029 | Level 2, SF | |
| 14,200.0 | 4,375.7 | 14,250.1 | 4,705.0 | 311.0 | 304.7 | -132.16 | 102.6 | -5,592.4 | 507.0 | 31.2 | 475.79 | 1.066 | Level 2 | |
| 14,300.0 | 4,374.1 | 14,250.1 | 4,705.0 | 314.3 | 304.7 | -132.16 | 102.6 | -5,592.4 | 545.0 | 66.7 | 478.32 | 1.139 | Level 2 | |
| 14,400.0 | 4,372.6 | 14,250.1 | 4,705.0 | 317.6 | 304.7 | -132.16 | 102.6 | -5,592.4 | 597.5 | 116.7 | 480.84 | 1.243 | Level 2 | |
| 14,500.0 | 4,371.0 | 14,250.1 | 4,705.0 | 320.9 | 304.7 | -132.16 | 102.6 | -5,592.4 | 661.1 | 177.7 | 483.37 | 1.368 | Level 3 | |
| 14,566.1 | 4,370.0 | 14,250.1 | 4,705.0 | 323.1 | 304.7 | -132.16 | 102.6 | -5,592.4 | 707.8 | 222.8 | 485.05 | 1.459 | Level 3 | |

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-7H - Wellbore #1 - Plan #2 (12-06-18) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 29.1 | 0.0 | 29.2 | | | | | |
| 100.0 | 100.0 | 98.0 | 98.0 | 0.1 | 0.1 | 0.00 | 29.1 | 0.0 | 29.1 | 28.9 | 0.27 | 106.918 | | |
| 200.0 | 200.0 | 198.0 | 198.0 | 0.4 | 0.4 | 0.00 | 29.1 | 0.0 | 29.1 | 28.3 | 0.82 | 35.520 | | |
| 300.0 | 300.0 | 298.0 | 298.0 | 0.7 | 0.7 | -88.56 | 29.1 | 0.0 | 29.0 | 27.6 | 1.36 | 21.313 | | |
| 310.7 | 310.7 | 308.7 | 308.7 | 0.7 | 0.7 | -89.51 | 29.1 | 0.0 | 29.0 | 27.6 | 1.42 | 20.425 CC | | |
| 400.0 | 399.7 | 397.8 | 397.8 | 1.0 | 0.9 | -97.27 | 29.6 | 2.0 | 29.4 | 27.5 | 1.91 | 15.435 | | |
| 500.0 | 499.1 | 497.8 | 497.6 | 1.3 | 1.2 | -105.35 | 30.9 | 8.4 | 31.0 | 28.5 | 2.51 | 12.333 | | |
| 600.0 | 598.0 | 598.0 | 597.2 | 1.7 | 1.5 | -112.27 | 33.0 | 19.0 | 33.5 | 30.3 | 3.21 | 10.443 | | |
| 700.0 | 696.0 | 696.4 | 696.4 | 2.2 | 1.9 | -117.83 | 36.1 | 33.8 | 36.8 | 32.8 | 4.00 | 9.199 | | |
| 800.0 | 793.2 | 799.0 | 795.1 | 2.7 | 2.4 | -122.10 | 40.0 | 53.0 | 40.7 | 35.8 | 4.90 | 8.317 | | |
| 900.0 | 889.2 | 899.8 | 893.0 | 3.4 | 2.9 | -125.25 | 44.8 | 76.5 | 45.3 | 39.3 | 5.92 | 7.646 | | |
| 1,000.0 | 983.9 | 1,000.7 | 989.9 | 4.2 | 3.6 | -127.49 | 50.4 | 104.1 | 50.2 | 43.1 | 7.07 | 7.100 | | |
| 1,100.0 | 1,077.0 | 1,101.8 | 1,085.6 | 5.1 | 4.3 | -129.02 | 56.9 | 136.0 | 55.5 | 47.2 | 8.37 | 6.632 | | |
| 1,200.0 | 1,168.6 | 1,203.1 | 1,179.9 | 6.1 | 5.2 | -129.97 | 64.3 | 172.1 | 61.2 | 51.3 | 9.84 | 6.216 | | |
| 1,300.0 | 1,258.3 | 1,304.6 | 1,272.7 | 7.2 | 6.2 | -130.49 | 72.5 | 212.3 | 67.2 | 55.7 | 11.50 | 5.840 | | |
| 1,400.0 | 1,345.9 | 1,406.2 | 1,363.7 | 8.4 | 7.4 | -130.67 | 81.6 | 256.5 | 73.4 | 60.0 | 13.36 | 5.494 | | |
| 1,500.0 | 1,431.4 | 1,508.0 | 1,452.8 | 9.8 | 8.6 | -130.58 | 91.4 | 304.7 | 79.9 | 64.5 | 15.44 | 5.175 | | |
| 1,600.0 | 1,514.5 | 1,609.9 | 1,539.7 | 11.3 | 10.0 | -130.28 | 102.1 | 356.9 | 86.6 | 68.9 | 17.75 | 4.881 | | |
| 1,700.0 | 1,595.2 | 1,711.9 | 1,624.3 | 12.9 | 11.5 | -129.82 | 113.5 | 412.8 | 93.6 | 73.3 | 20.31 | 4.610 | | |
| 1,800.0 | 1,673.2 | 1,814.2 | 1,706.4 | 14.6 | 13.1 | -129.24 | 125.7 | 472.5 | 100.9 | 77.7 | 23.13 | 4.361 | | |
| 1,900.0 | 1,748.3 | 1,916.5 | 1,785.8 | 16.5 | 14.9 | -128.56 | 138.6 | 535.8 | 108.3 | 82.1 | 26.21 | 4.132 | | |
| 2,000.0 | 1,820.6 | 2,019.0 | 1,862.3 | 18.5 | 16.8 | -127.80 | 152.3 | 602.6 | 116.0 | 86.4 | 29.57 | 3.923 | | |
| 2,100.0 | 1,889.7 | 2,121.6 | 1,935.8 | 20.6 | 18.9 | -126.99 | 166.6 | 672.7 | 123.9 | 90.7 | 33.19 | 3.732 | | |
| 2,200.0 | 1,955.6 | 2,224.4 | 2,006.1 | 22.8 | 21.0 | -126.13 | 181.6 | 746.1 | 132.0 | 94.9 | 37.09 | 3.558 | | |
| 2,300.0 | 2,018.2 | 2,327.3 | 2,073.0 | 25.2 | 23.3 | -125.23 | 197.2 | 822.7 | 140.3 | 99.0 | 41.26 | 3.399 | | |
| 2,335.1 | 2,039.4 | 2,363.4 | 2,095.7 | 26.0 | 24.2 | -124.92 | 202.9 | 850.2 | 143.2 | 100.4 | 42.79 | 3.346 | | |
| 2,400.0 | 2,078.1 | 2,429.3 | 2,136.0 | 27.6 | 25.7 | -124.21 | 213.3 | 901.2 | 148.3 | 102.6 | 45.76 | 3.241 | | |
| 2,500.0 | 2,137.8 | 2,528.9 | 2,196.7 | 30.1 | 28.1 | -123.10 | 229.1 | 978.7 | 156.0 | 105.6 | 50.40 | 3.095 | | |
| 2,600.0 | 2,197.4 | 2,628.6 | 2,257.4 | 32.6 | 30.5 | -122.09 | 245.0 | 1,056.1 | 163.8 | 108.7 | 55.09 | 2.973 | | |
| 2,700.0 | 2,257.1 | 2,728.2 | 2,318.1 | 35.0 | 32.9 | -121.17 | 260.8 | 1,133.6 | 171.6 | 111.8 | 59.80 | 2.869 | | |
| 2,800.0 | 2,316.7 | 2,827.9 | 2,378.8 | 37.5 | 35.3 | -120.33 | 276.6 | 1,211.0 | 179.4 | 114.8 | 64.54 | 2.779 | | |
| 2,900.0 | 2,376.4 | 2,927.6 | 2,439.5 | 40.0 | 37.7 | -119.56 | 292.4 | 1,288.5 | 187.3 | 118.0 | 69.31 | 2.702 | | |
| 3,000.0 | 2,436.0 | 3,027.2 | 2,500.2 | 42.5 | 40.1 | -118.85 | 308.3 | 1,366.0 | 195.2 | 121.1 | 74.08 | 2.634 | | |
| 3,100.0 | 2,495.7 | 3,126.9 | 2,560.8 | 45.0 | 42.5 | -118.20 | 324.1 | 1,443.4 | 203.1 | 124.2 | 78.88 | 2.575 | | |
| 3,200.0 | 2,555.3 | 3,226.5 | 2,621.5 | 47.5 | 44.9 | -117.60 | 339.9 | 1,520.9 | 211.0 | 127.4 | 83.68 | 2.522 | | |
| 3,300.0 | 2,615.0 | 3,326.2 | 2,682.2 | 50.0 | 47.3 | -117.04 | 355.7 | 1,598.3 | 219.0 | 130.5 | 88.49 | 2.475 | | |
| 3,400.0 | 2,674.6 | 3,425.9 | 2,742.9 | 52.5 | 49.7 | -116.52 | 371.6 | 1,675.8 | 227.0 | 133.7 | 93.31 | 2.433 | | |
| 3,500.0 | 2,734.3 | 3,525.5 | 2,803.6 | 55.0 | 52.2 | -116.04 | 387.4 | 1,753.2 | 235.0 | 136.9 | 98.14 | 2.395 | | |
| 3,600.0 | 2,793.9 | 3,625.2 | 2,864.3 | 57.5 | 54.6 | -115.59 | 403.2 | 1,830.7 | 243.0 | 140.1 | 102.97 | 2.360 | | |
| 3,700.0 | 2,853.6 | 3,724.8 | 2,925.0 | 60.0 | 57.0 | -115.16 | 419.0 | 1,908.1 | 251.1 | 143.3 | 107.80 | 2.329 | | |
| 3,800.0 | 2,913.2 | 3,824.5 | 2,985.6 | 62.5 | 59.4 | -114.77 | 434.9 | 1,985.6 | 259.1 | 146.5 | 112.64 | 2.301 | | |
| 3,900.0 | 2,972.9 | 3,924.2 | 3,046.3 | 65.0 | 61.9 | -114.39 | 450.7 | 2,063.0 | 267.2 | 149.7 | 117.49 | 2.274 | | |
| 4,000.0 | 3,032.6 | 4,023.8 | 3,107.0 | 67.5 | 64.3 | -114.04 | 466.5 | 2,140.5 | 275.3 | 152.9 | 122.33 | 2.250 | | |
| 4,100.0 | 3,092.2 | 4,123.5 | 3,167.7 | 70.0 | 66.7 | -113.71 | 482.4 | 2,217.9 | 283.4 | 156.2 | 127.18 | 2.228 | | |
| 4,200.0 | 3,151.9 | 4,223.1 | 3,228.4 | 72.5 | 69.1 | -113.40 | 498.2 | 2,295.4 | 291.5 | 159.4 | 132.03 | 2.207 | | |
| 4,300.0 | 3,211.5 | 4,322.8 | 3,289.1 | 75.0 | 71.6 | -113.10 | 514.0 | 2,372.8 | 299.6 | 162.7 | 136.88 | 2.188 | | |
| 4,400.0 | 3,271.2 | 4,422.5 | 3,349.7 | 77.5 | 74.0 | -112.82 | 529.8 | 2,450.3 | 307.7 | 165.9 | 141.73 | 2.171 | | |
| 4,500.0 | 3,330.8 | 4,522.1 | 3,410.4 | 80.0 | 76.4 | -112.56 | 545.7 | 2,527.7 | 315.8 | 169.2 | 146.59 | 2.154 | | |
| 4,560.2 | 3,366.7 | 4,582.1 | 3,447.0 | 81.5 | 77.9 | -112.40 | 555.2 | 2,574.4 | 320.7 | 171.2 | 149.51 | 2.145 | | |
| 4,600.0 | 3,391.4 | 4,621.8 | 3,471.1 | 82.5 | 78.8 | -111.81 | 561.5 | 2,605.2 | 323.2 | 171.7 | 151.57 | 2.133 | | |
| 4,650.0 | 3,425.1 | 4,671.5 | 3,501.4 | 83.5 | 80.1 | -110.25 | 569.4 | 2,643.8 | 324.6 | 170.1 | 154.52 | 2.101 | | |
| 4,700.0 | 3,461.5 | 4,720.8 | 3,531.4 | 84.4 | 81.3 | -107.79 | 577.2 | 2,682.2 | 324.1 | 166.3 | 157.82 | 2.054 | | |

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

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 4,750.0 | 3,500.5 | 4,769.4 | 3,561.0 | 85.3 | 82.4 | -104.35 | 584.9 | 2,719.9 | 321.9 | 160.5 | 161.35 | 1.995 | | |
| 4,800.0 | 3,541.7 | 4,809.5 | 3,585.9 | 86.0 | 83.4 | -100.40 | 591.4 | 2,750.7 | 318.9 | 154.5 | 164.36 | 1.940 | | |
| 4,850.0 | 3,584.9 | 4,850.0 | 3,612.8 | 86.5 | 84.2 | -95.73 | 598.5 | 2,780.1 | 316.2 | 149.2 | 167.02 | 1.893 | | |
| 4,900.0 | 3,629.9 | 4,886.3 | 3,638.5 | 87.0 | 84.9 | -90.36 | 605.2 | 2,804.9 | 314.2 | 145.1 | 169.07 | 1.851 | | |
| 4,950.0 | 3,676.4 | 4,925.6 | 3,667.7 | 87.4 | 85.6 | -83.38 | 612.9 | 2,830.0 | 312.9 | 142.0 | 170.87 | 1.831 | | |
| 4,999.4 | 3,723.4 | 4,964.9 | 3,698.4 | 87.7 | 86.2 | -74.10 | 621.0 | 2,853.2 | 312.4 | 140.2 | 172.25 | 1.814 | | |
| 5,000.0 | 3,724.1 | 4,965.4 | 3,698.8 | 87.7 | 86.2 | -73.96 | 621.1 | 2,853.5 | 312.4 | 140.1 | 172.27 | 1.814 | | |
| 5,050.0 | 3,772.6 | 5,006.0 | 3,731.9 | 87.9 | 86.8 | -60.09 | 629.8 | 2,875.3 | 312.9 | 139.7 | 173.25 | 1.806 | | |
| 5,100.0 | 3,821.8 | 5,047.4 | 3,766.9 | 88.0 | 87.3 | -38.13 | 639.1 | 2,895.3 | 314.5 | 140.7 | 173.82 | 1.810 | | |
| 5,150.0 | 3,871.2 | 5,089.7 | 3,803.9 | 88.1 | 87.7 | -6.15 | 648.9 | 2,913.2 | 317.3 | 143.3 | 173.97 | 1.824 | | |
| 5,200.0 | 3,920.7 | 5,132.9 | 3,842.9 | 88.1 | 88.1 | 25.38 | 659.3 | 2,928.9 | 321.3 | 147.5 | 173.74 | 1.849 | | |
| 5,250.0 | 3,969.8 | 5,177.4 | 3,883.9 | 88.0 | 88.4 | 46.73 | 670.2 | 2,942.1 | 326.5 | 153.3 | 173.17 | 1.885 | | |
| 5,300.0 | 4,018.3 | 5,223.1 | 3,926.9 | 87.9 | 88.6 | 60.21 | 681.7 | 2,952.5 | 332.9 | 160.6 | 172.30 | 1.932 | | |
| 5,350.0 | 4,065.9 | 5,270.3 | 3,971.9 | 87.9 | 88.8 | 69.41 | 693.7 | 2,959.9 | 340.5 | 169.3 | 171.18 | 1.989 | | |
| 5,400.0 | 4,112.3 | 5,319.1 | 4,018.8 | 87.8 | 88.9 | 76.26 | 706.3 | 2,964.0 | 349.1 | 179.2 | 169.88 | 2.055 | | |
| 5,450.0 | 4,157.2 | 5,369.7 | 4,067.7 | 87.7 | 89.0 | 81.69 | 719.4 | 2,964.2 | 358.7 | 190.3 | 168.45 | 2.129 | | |
| 5,500.0 | 4,200.4 | 5,422.4 | 4,118.4 | 87.6 | 89.0 | 86.20 | 733.0 | 2,960.2 | 369.1 | 202.2 | 166.97 | 2.211 | | |
| 5,550.0 | 4,241.4 | 5,477.3 | 4,170.8 | 87.5 | 89.0 | 90.05 | 747.1 | 2,951.4 | 380.2 | 214.7 | 165.49 | 2.298 | | |
| 5,600.0 | 4,280.2 | 5,534.8 | 4,224.6 | 87.5 | 88.9 | 93.42 | 761.6 | 2,937.2 | 391.7 | 227.7 | 164.06 | 2.388 | | |
| 5,650.0 | 4,316.5 | 5,595.1 | 4,279.4 | 87.5 | 88.8 | 96.39 | 776.4 | 2,916.9 | 403.5 | 240.7 | 162.76 | 2.479 | | |
| 5,700.0 | 4,350.0 | 5,658.5 | 4,334.7 | 87.5 | 88.7 | 99.04 | 791.3 | 2,890.0 | 415.2 | 253.6 | 161.64 | 2.569 | | |
| 5,750.0 | 4,380.6 | 5,725.1 | 4,389.8 | 87.6 | 88.6 | 101.39 | 806.3 | 2,855.7 | 426.7 | 265.9 | 160.76 | 2.654 | | |
| 5,800.0 | 4,408.0 | 5,795.2 | 4,443.7 | 87.8 | 88.5 | 103.46 | 821.0 | 2,813.4 | 437.6 | 277.4 | 160.18 | 2.732 | | |
| 5,850.0 | 4,432.0 | 5,868.9 | 4,495.1 | 88.0 | 88.5 | 105.26 | 835.1 | 2,762.6 | 447.7 | 287.7 | 159.95 | 2.799 | | |
| 5,900.0 | 4,452.7 | 5,946.1 | 4,542.5 | 88.2 | 88.6 | 106.79 | 848.1 | 2,703.1 | 456.6 | 296.5 | 160.13 | 2.852 | | |
| 5,950.0 | 4,469.7 | 6,026.6 | 4,584.1 | 88.5 | 88.8 | 108.03 | 859.6 | 2,635.3 | 464.2 | 303.5 | 160.75 | 2.888 | | |
| 6,000.0 | 4,483.0 | 6,109.9 | 4,618.1 | 88.8 | 89.1 | 108.97 | 869.2 | 2,559.8 | 470.2 | 308.3 | 161.83 | 2.905 | | |
| 6,050.0 | 4,492.5 | 6,195.5 | 4,642.9 | 89.2 | 89.6 | 109.59 | 876.3 | 2,478.3 | 474.3 | 310.9 | 163.36 | 2.903 | | |
| 6,100.0 | 4,498.2 | 6,282.5 | 4,657.0 | 89.5 | 90.1 | 109.88 | 880.5 | 2,392.6 | 476.4 | 311.1 | 165.29 | 2.882 | | |
| 6,150.0 | 4,500.1 | 6,363.2 | 4,659.9 | 89.9 | 90.7 | 109.85 | 881.8 | 2,312.0 | 476.5 | 309.0 | 167.45 | 2.846 | | |
| 6,158.2 | 4,500.0 | 6,371.4 | 4,659.8 | 90.0 | 90.7 | 109.85 | 881.8 | 2,303.8 | 476.5 | 308.7 | 167.76 | 2.840 | | |
| 6,158.5 | 4,500.0 | 6,371.7 | 4,659.8 | 90.0 | 90.7 | 109.85 | 881.8 | 2,303.5 | 476.5 | 308.7 | 167.77 | 2.840 | | |
| 6,200.0 | 4,499.4 | 6,413.2 | 4,659.3 | 90.4 | 91.1 | 109.87 | 881.9 | 2,262.0 | 476.5 | 308.0 | 168.43 | 2.829 | | |
| 6,300.0 | 4,497.8 | 6,513.2 | 4,658.1 | 91.3 | 91.9 | 109.92 | 882.1 | 2,162.0 | 476.5 | 306.3 | 170.18 | 2.800 | | |
| 6,400.0 | 4,496.3 | 6,613.2 | 4,656.9 | 92.4 | 92.9 | 109.96 | 882.4 | 2,062.0 | 476.5 | 304.3 | 172.16 | 2.768 | | |
| 6,500.0 | 4,494.7 | 6,713.2 | 4,655.7 | 93.5 | 94.0 | 110.00 | 882.6 | 1,962.0 | 476.5 | 302.2 | 174.36 | 2.733 | | |
| 6,600.0 | 4,493.2 | 6,813.2 | 4,654.5 | 94.8 | 95.1 | 110.05 | 882.9 | 1,862.0 | 476.5 | 299.8 | 176.77 | 2.696 | | |
| 6,700.0 | 4,491.6 | 6,913.2 | 4,653.3 | 96.2 | 96.4 | 110.09 | 883.1 | 1,762.1 | 476.6 | 297.2 | 179.38 | 2.657 | | |
| 6,800.0 | 4,490.1 | 7,013.2 | 4,652.1 | 97.7 | 97.9 | 110.14 | 883.4 | 1,662.1 | 476.6 | 294.4 | 182.17 | 2.616 | | |
| 6,900.0 | 4,488.5 | 7,113.2 | 4,650.9 | 99.3 | 99.4 | 110.18 | 883.6 | 1,562.1 | 476.6 | 291.4 | 185.15 | 2.574 | | |
| 7,000.0 | 4,487.0 | 7,213.2 | 4,649.7 | 100.9 | 101.0 | 110.23 | 883.9 | 1,462.1 | 476.6 | 288.3 | 188.31 | 2.531 | | |
| 7,100.0 | 4,485.4 | 7,313.2 | 4,648.6 | 102.7 | 102.7 | 110.27 | 884.1 | 1,362.1 | 476.6 | 285.0 | 191.62 | 2.487 | | |
| 7,200.0 | 4,483.9 | 7,413.2 | 4,647.4 | 104.5 | 104.4 | 110.31 | 884.4 | 1,262.1 | 476.7 | 281.6 | 195.10 | 2.443 | | |
| 7,300.0 | 4,482.3 | 7,513.2 | 4,646.2 | 106.5 | 106.3 | 110.36 | 884.6 | 1,162.1 | 476.7 | 278.0 | 198.72 | 2.399 | | |
| 7,400.0 | 4,480.8 | 7,613.2 | 4,645.0 | 108.5 | 108.3 | 110.40 | 884.9 | 1,062.1 | 476.7 | 274.2 | 202.47 | 2.354 | | |
| 7,500.0 | 4,479.3 | 7,713.2 | 4,643.8 | 110.6 | 110.3 | 110.45 | 885.1 | 962.1 | 476.7 | 270.4 | 206.36 | 2.310 | | |
| 7,600.0 | 4,477.7 | 7,813.2 | 4,642.6 | 112.7 | 112.4 | 110.49 | 885.3 | 862.1 | 476.8 | 266.4 | 210.38 | 2.266 | | |
| 7,700.0 | 4,476.2 | 7,913.2 | 4,641.4 | 114.9 | 114.5 | 110.54 | 885.6 | 762.1 | 476.8 | 262.3 | 214.50 | 2.223 | | |
| 7,800.0 | 4,474.6 | 8,013.2 | 4,640.2 | 117.2 | 116.8 | 110.58 | 885.8 | 662.1 | 476.8 | 258.1 | 218.74 | 2.180 | | |
| 7,900.0 | 4,473.1 | 8,113.2 | 4,639.0 | 119.5 | 119.0 | 110.62 | 886.1 | 562.1 | 476.8 | 253.7 | 223.08 | 2.137 | | |
| 8,000.0 | 4,471.5 | 8,213.2 | 4,637.8 | 121.9 | 121.4 | 110.67 | 886.3 | 462.2 | 476.8 | 249.3 | 227.52 | 2.096 | | |
| 8,100.0 | 4,470.0 | 8,313.2 | 4,636.6 | 124.3 | 123.8 | 110.71 | 886.6 | 362.2 | 476.9 | 244.8 | 232.05 | 2.055 | | |

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

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 8,200.0 | 4,468.4 | 8,413.2 | 4,635.4 | 126.8 | 126.2 | 110.76 | 886.8 | 262.2 | 476.9 | 240.2 | 236.66 | 2.015 | | |
| 8,300.0 | 4,466.9 | 8,513.2 | 4,634.2 | 129.3 | 128.7 | 110.80 | 887.1 | 162.2 | 476.9 | 235.6 | 241.35 | 1.976 | | |
| 8,400.0 | 4,465.3 | 8,613.2 | 4,633.0 | 131.8 | 131.2 | 110.84 | 887.3 | 62.2 | 476.9 | 230.8 | 246.12 | 1.938 | | |
| 8,500.0 | 4,463.8 | 8,713.2 | 4,631.8 | 134.4 | 133.8 | 110.89 | 887.6 | -37.8 | 477.0 | 226.0 | 250.95 | 1.901 | | |
| 8,600.0 | 4,462.2 | 8,813.2 | 4,630.6 | 137.1 | 136.4 | 110.93 | 887.8 | -137.8 | 477.0 | 221.1 | 255.86 | 1.864 | | |
| 8,700.0 | 4,460.7 | 8,913.2 | 4,629.5 | 139.8 | 139.1 | 110.98 | 888.1 | -237.8 | 477.0 | 216.2 | 260.82 | 1.829 | | |
| 8,800.0 | 4,459.2 | 9,013.2 | 4,628.3 | 142.5 | 141.8 | 111.02 | 888.3 | -337.8 | 477.0 | 211.2 | 265.85 | 1.794 | | |
| 8,900.0 | 4,457.6 | 9,113.2 | 4,627.1 | 145.2 | 144.5 | 111.07 | 888.6 | -437.8 | 477.1 | 206.1 | 270.93 | 1.761 | | |
| 9,000.0 | 4,456.1 | 9,213.2 | 4,625.9 | 148.0 | 147.2 | 111.11 | 888.8 | -537.8 | 477.1 | 201.0 | 276.06 | 1.728 | | |
| 9,100.0 | 4,454.5 | 9,313.2 | 4,624.7 | 150.8 | 150.0 | 111.15 | 889.0 | -637.8 | 477.1 | 195.9 | 281.24 | 1.696 | | |
| 9,200.0 | 4,453.0 | 9,413.2 | 4,623.5 | 153.6 | 152.8 | 111.20 | 889.3 | -737.7 | 477.1 | 190.7 | 286.46 | 1.666 | | |
| 9,300.0 | 4,451.4 | 9,513.2 | 4,622.3 | 156.4 | 155.7 | 111.24 | 889.5 | -837.7 | 477.2 | 185.4 | 291.73 | 1.636 | | |
| 9,400.0 | 4,449.9 | 9,613.2 | 4,621.1 | 159.3 | 158.5 | 111.29 | 889.8 | -937.7 | 477.2 | 180.2 | 297.04 | 1.607 | | |
| 9,500.0 | 4,448.3 | 9,713.2 | 4,619.9 | 162.2 | 161.4 | 111.33 | 890.0 | -1,037.7 | 477.2 | 174.8 | 302.39 | 1.578 | | |
| 9,600.0 | 4,446.8 | 9,813.2 | 4,618.7 | 165.1 | 164.3 | 111.37 | 890.3 | -1,137.7 | 477.3 | 169.5 | 307.77 | 1.551 | | |
| 9,700.0 | 4,445.2 | 9,913.2 | 4,617.5 | 168.0 | 167.2 | 111.42 | 890.5 | -1,237.7 | 477.3 | 164.1 | 313.18 | 1.524 | | |
| 9,800.0 | 4,443.7 | 10,013.2 | 4,616.3 | 171.0 | 170.2 | 111.46 | 890.8 | -1,337.7 | 477.3 | 158.7 | 318.63 | 1.498 Level 3 | | |
| 9,900.0 | 4,442.1 | 10,113.2 | 4,615.1 | 174.0 | 173.1 | 111.51 | 891.0 | -1,437.7 | 477.3 | 153.2 | 324.11 | 1.473 Level 3 | | |
| 10,000.0 | 4,440.6 | 10,213.2 | 4,613.9 | 176.9 | 176.1 | 111.55 | 891.3 | -1,537.7 | 477.4 | 147.8 | 329.62 | 1.448 Level 3 | | |
| 10,100.0 | 4,439.1 | 10,313.2 | 4,612.7 | 179.9 | 179.1 | 111.60 | 891.5 | -1,637.7 | 477.4 | 142.2 | 335.15 | 1.424 Level 3 | | |
| 10,200.0 | 4,437.5 | 10,413.2 | 4,611.5 | 183.0 | 182.1 | 111.64 | 891.8 | -1,737.7 | 477.4 | 136.7 | 340.71 | 1.401 Level 3 | | |
| 10,300.0 | 4,436.0 | 10,513.2 | 4,610.4 | 186.0 | 185.2 | 111.68 | 892.0 | -1,837.7 | 477.5 | 131.2 | 346.29 | 1.379 Level 3 | | |
| 10,400.0 | 4,434.4 | 10,613.2 | 4,609.2 | 189.0 | 188.2 | 111.73 | 892.2 | -1,937.6 | 477.5 | 125.6 | 351.89 | 1.357 Level 3 | | |
| 10,500.0 | 4,432.9 | 10,713.2 | 4,608.0 | 192.1 | 191.3 | 111.77 | 892.5 | -2,037.6 | 477.5 | 120.0 | 357.52 | 1.336 Level 3 | | |
| 10,600.0 | 4,431.3 | 10,813.2 | 4,606.8 | 195.2 | 194.3 | 111.82 | 892.7 | -2,137.6 | 477.5 | 114.4 | 363.16 | 1.315 Level 3 | | |
| 10,700.0 | 4,429.8 | 10,913.2 | 4,605.6 | 198.3 | 197.4 | 111.86 | 893.0 | -2,237.6 | 477.6 | 108.8 | 368.83 | 1.295 Level 3 | | |
| 10,800.0 | 4,428.2 | 11,013.2 | 4,604.4 | 201.4 | 200.5 | 111.90 | 893.2 | -2,337.6 | 477.6 | 103.1 | 374.51 | 1.275 Level 3 | | |
| 10,900.0 | 4,426.7 | 11,113.2 | 4,603.2 | 204.5 | 203.6 | 111.95 | 893.5 | -2,437.6 | 477.6 | 97.4 | 380.21 | 1.256 Level 3 | | |
| 11,000.0 | 4,425.1 | 11,213.2 | 4,602.0 | 207.6 | 206.7 | 111.99 | 893.7 | -2,537.6 | 477.7 | 91.8 | 385.92 | 1.238 Level 2 | | |
| 11,100.0 | 4,423.6 | 11,313.2 | 4,600.8 | 210.7 | 209.9 | 112.04 | 894.0 | -2,637.6 | 477.7 | 86.1 | 391.65 | 1.220 Level 2 | | |
| 11,200.0 | 4,422.0 | 11,413.2 | 4,599.6 | 213.9 | 213.0 | 112.08 | 894.2 | -2,737.6 | 477.7 | 80.3 | 397.39 | 1.202 Level 2 | | |
| 11,300.0 | 4,420.5 | 11,513.2 | 4,598.4 | 217.0 | 216.2 | 112.12 | 894.5 | -2,837.6 | 477.8 | 74.6 | 403.15 | 1.185 Level 2 | | |
| 11,400.0 | 4,419.0 | 11,613.2 | 4,597.2 | 220.2 | 219.3 | 112.17 | 894.7 | -2,937.6 | 477.8 | 68.9 | 408.92 | 1.168 Level 2 | | |
| 11,500.0 | 4,417.4 | 11,713.2 | 4,596.0 | 223.3 | 222.5 | 112.21 | 895.0 | -3,037.6 | 477.8 | 63.1 | 414.70 | 1.152 Level 2 | | |
| 11,600.0 | 4,415.9 | 11,813.2 | 4,594.8 | 226.5 | 225.6 | 112.26 | 895.2 | -3,137.6 | 477.9 | 57.4 | 420.49 | 1.136 Level 2 | | |
| 11,700.0 | 4,414.3 | 11,913.2 | 4,593.6 | 229.7 | 228.8 | 112.30 | 895.5 | -3,237.5 | 477.9 | 51.6 | 426.29 | 1.121 Level 2 | | |
| 11,800.0 | 4,412.8 | 12,013.2 | 4,592.4 | 232.9 | 232.0 | 112.34 | 895.7 | -3,337.5 | 477.9 | 45.8 | 432.11 | 1.106 Level 2 | | |
| 11,900.0 | 4,411.2 | 12,113.2 | 4,591.3 | 236.1 | 235.2 | 112.39 | 895.9 | -3,437.5 | 478.0 | 40.0 | 437.93 | 1.091 Level 2 | | |
| 12,000.0 | 4,409.7 | 12,213.2 | 4,590.1 | 239.3 | 238.4 | 112.43 | 896.2 | -3,537.5 | 478.0 | 34.3 | 443.76 | 1.077 Level 2 | | |
| 12,100.0 | 4,408.1 | 12,313.2 | 4,588.9 | 242.5 | 241.6 | 112.48 | 896.4 | -3,637.5 | 478.0 | 28.4 | 449.60 | 1.063 Level 2 | | |
| 12,200.0 | 4,406.6 | 12,413.2 | 4,587.7 | 245.7 | 244.8 | 112.52 | 896.7 | -3,737.5 | 478.1 | 22.6 | 455.44 | 1.050 Level 2 | | |
| 12,300.0 | 4,405.0 | 12,513.2 | 4,586.5 | 248.9 | 248.0 | 112.56 | 896.9 | -3,837.5 | 478.1 | 16.8 | 461.30 | 1.036 Level 2 | | |
| 12,400.0 | 4,403.5 | 12,613.2 | 4,585.3 | 252.1 | 251.3 | 112.61 | 897.2 | -3,937.5 | 478.2 | 11.0 | 467.16 | 1.024 Level 2 | | |
| 12,500.0 | 4,401.9 | 12,713.2 | 4,584.1 | 255.4 | 254.5 | 112.65 | 897.4 | -4,037.5 | 478.2 | 5.2 | 473.03 | 1.011 Level 2 | | |
| 12,600.0 | 4,400.4 | 12,813.2 | 4,582.9 | 258.6 | 257.7 | 112.70 | 897.7 | -4,137.5 | 478.2 | -0.7 | 478.90 | 0.999 Level 1 | | |
| 12,700.0 | 4,398.9 | 12,913.2 | 4,581.7 | 261.9 | 261.0 | 112.74 | 897.9 | -4,237.5 | 478.3 | -6.5 | 484.78 | 0.987 Level 1 | | |
| 12,800.0 | 4,397.3 | 13,013.2 | 4,580.5 | 265.1 | 264.2 | 112.78 | 898.2 | -4,337.5 | 478.3 | -12.4 | 490.66 | 0.975 Level 1 | | |
| 12,900.0 | 4,395.8 | 13,113.2 | 4,579.3 | 268.4 | 267.5 | 112.83 | 898.4 | -4,437.4 | 478.3 | -18.2 | 496.55 | 0.963 Level 1 | | |
| 13,000.0 | 4,394.2 | 13,213.2 | 4,578.1 | 271.6 | 270.7 | 112.87 | 898.7 | -4,537.4 | 478.4 | -24.1 | 502.45 | 0.952 Level 1 | | |
| 13,100.0 | 4,392.7 | 13,313.2 | 4,576.9 | 274.9 | 274.0 | 112.92 | 898.9 | -4,637.4 | 478.4 | -29.9 | 508.34 | 0.941 Level 1 | | |
| 13,200.0 | 4,391.1 | 13,413.2 | 4,575.7 | 278.1 | 277.3 | 112.96 | 899.1 | -4,737.4 | 478.4 | -35.8 | 514.25 | 0.930 Level 1 | | |
| 13,300.0 | 4,389.6 | 13,513.2 | 4,574.5 | 281.4 | 280.5 | 113.00 | 899.4 | -4,837.4 | 478.5 | -41.7 | 520.15 | 0.920 Level 1 | | |

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

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|------------------------|------------------------|------------------------|------------------------|-------------------|----------------|--------------------------|---|---------------|-------------------------|--------------------------|----------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 13,400.0 | 4,388.0 | 13,613.2 | 4,573.4 | 284.7 | 283.8 | 113.05 | 899.6 | -4,937.4 | 478.5 | -47.5 | 526.06 | 0.910 | Level 1 | |
| 13,500.0 | 4,386.5 | 13,713.2 | 4,572.2 | 288.0 | 287.1 | 113.09 | 899.9 | -5,037.4 | 478.6 | -53.4 | 531.97 | 0.900 | Level 1 | |
| 13,600.0 | 4,384.9 | 13,813.2 | 4,571.0 | 291.2 | 290.4 | 113.14 | 900.1 | -5,137.4 | 478.6 | -59.3 | 537.89 | 0.890 | Level 1 | |
| 13,700.0 | 4,383.4 | 13,913.2 | 4,569.8 | 294.5 | 293.7 | 113.18 | 900.4 | -5,237.4 | 478.6 | -65.2 | 543.81 | 0.880 | Level 1 | |
| 13,800.0 | 4,381.8 | 14,013.2 | 4,568.6 | 297.8 | 297.0 | 113.22 | 900.6 | -5,337.4 | 478.7 | -71.0 | 549.73 | 0.871 | Level 1 | |
| 13,900.0 | 4,380.3 | 14,113.2 | 4,567.4 | 301.1 | 300.2 | 113.27 | 900.9 | -5,437.4 | 478.7 | -76.9 | 555.65 | 0.862 | Level 1 | |
| 14,000.0 | 4,378.8 | 14,213.2 | 4,566.2 | 304.4 | 303.5 | 113.31 | 901.1 | -5,537.4 | 478.8 | -82.8 | 561.58 | 0.853 | Level 1 | |
| 14,100.0 | 4,377.2 | 14,313.2 | 4,565.0 | 307.7 | 306.8 | 113.35 | 901.4 | -5,637.3 | 478.8 | -88.7 | 567.50 | 0.844 | Level 1 | |
| 14,200.0 | 4,375.7 | 14,413.2 | 4,563.8 | 311.0 | 310.1 | 113.40 | 901.6 | -5,737.3 | 478.8 | -94.6 | 573.43 | 0.835 | Level 1 | |
| 14,300.0 | 4,374.1 | 14,513.2 | 4,562.6 | 314.3 | 313.4 | 113.44 | 901.9 | -5,837.3 | 478.9 | -100.5 | 579.36 | 0.827 | Level 1 | |
| 14,400.0 | 4,372.6 | 14,613.2 | 4,561.4 | 317.6 | 316.8 | 113.49 | 902.1 | -5,937.3 | 478.9 | -106.4 | 585.29 | 0.818 | Level 1 | |
| 14,500.0 | 4,371.0 | 14,713.2 | 4,560.2 | 320.9 | 320.1 | 113.53 | 902.3 | -6,037.3 | 479.0 | -112.3 | 591.23 | 0.810 | Level 1 | |
| 14,566.1 | 4,370.0 | 14,779.3 | 4,559.4 | 323.1 | 322.3 | 113.56 | 902.5 | -6,103.5 | 479.0 | -116.2 | 595.15 | 0.805 | Level 1, ES, SF | |

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 58.3 | 0.0 | 58.4 | | | | | |
| 100.0 | 100.0 | 96.0 | 96.0 | 0.1 | 0.1 | 0.00 | 58.3 | 0.0 | 58.3 | 58.0 | 0.27 | 215.999 | | |
| 200.0 | 200.0 | 196.0 | 196.0 | 0.4 | 0.4 | 0.00 | 58.3 | 0.0 | 58.3 | 57.5 | 0.82 | 71.516 | | |
| 300.0 | 300.0 | 296.0 | 296.0 | 0.7 | 0.7 | -86.42 | 58.3 | 0.0 | 58.1 | 56.8 | 1.36 | 42.863 | | |
| 363.3 | 363.2 | 359.2 | 359.2 | 0.9 | 0.9 | -90.00 | 58.3 | 0.0 | 58.0 | 56.3 | 1.71 | 33.961 CC | | |
| 400.0 | 399.7 | 395.7 | 395.7 | 1.0 | 1.0 | -92.86 | 58.3 | 0.0 | 58.1 | 56.2 | 1.91 | 30.379 ES | | |
| 500.0 | 499.1 | 495.1 | 495.1 | 1.3 | 1.2 | -101.38 | 58.9 | 1.9 | 59.6 | 57.1 | 2.51 | 23.786 | | |
| 600.0 | 598.0 | 594.8 | 594.6 | 1.7 | 1.5 | -109.10 | 60.9 | 7.8 | 63.4 | 60.2 | 3.17 | 20.019 | | |
| 700.0 | 696.0 | 694.9 | 694.1 | 2.2 | 1.8 | -115.58 | 64.3 | 18.0 | 69.1 | 65.2 | 3.91 | 17.663 | | |
| 800.0 | 793.2 | 795.3 | 793.3 | 2.7 | 2.2 | -120.68 | 69.1 | 32.2 | 76.4 | 71.6 | 4.75 | 16.081 | | |
| 900.0 | 889.2 | 896.0 | 892.1 | 3.4 | 2.6 | -124.51 | 75.2 | 50.7 | 85.0 | 79.3 | 5.70 | 14.926 | | |
| 1,000.0 | 983.9 | 997.0 | 990.3 | 4.2 | 3.1 | -127.27 | 82.8 | 73.3 | 94.8 | 88.0 | 6.77 | 14.006 | | |
| 1,100.0 | 1,077.0 | 1,098.3 | 1,087.6 | 5.1 | 3.8 | -129.17 | 91.7 | 100.1 | 105.5 | 97.5 | 7.98 | 13.217 | | |
| 1,200.0 | 1,168.6 | 1,199.9 | 1,183.8 | 6.1 | 4.5 | -130.40 | 102.1 | 131.1 | 117.0 | 107.6 | 9.36 | 12.505 | | |
| 1,300.0 | 1,258.3 | 1,301.8 | 1,278.7 | 7.2 | 5.4 | -131.10 | 113.8 | 166.1 | 129.3 | 118.3 | 10.92 | 11.841 | | |
| 1,400.0 | 1,345.9 | 1,404.0 | 1,372.2 | 8.4 | 6.3 | -131.40 | 126.8 | 205.3 | 142.2 | 129.5 | 12.67 | 11.219 | | |
| 1,500.0 | 1,431.4 | 1,506.4 | 1,463.9 | 9.8 | 7.5 | -131.38 | 141.3 | 248.4 | 155.8 | 141.1 | 14.65 | 10.633 | | |
| 1,600.0 | 1,514.5 | 1,609.1 | 1,553.8 | 11.3 | 8.7 | -131.11 | 157.0 | 295.6 | 170.0 | 153.1 | 16.86 | 10.083 | | |
| 1,700.0 | 1,595.2 | 1,712.0 | 1,641.5 | 12.9 | 10.1 | -130.66 | 174.0 | 346.6 | 184.8 | 165.5 | 19.31 | 9.570 | | |
| 1,800.0 | 1,673.2 | 1,815.1 | 1,726.9 | 14.6 | 11.6 | -130.05 | 192.3 | 401.4 | 200.1 | 178.1 | 22.01 | 9.092 | | |
| 1,900.0 | 1,748.3 | 1,918.5 | 1,809.8 | 16.5 | 13.2 | -129.33 | 211.9 | 459.9 | 216.1 | 191.1 | 24.98 | 8.650 | | |
| 2,000.0 | 1,820.6 | 2,022.1 | 1,890.0 | 18.5 | 15.0 | -128.53 | 232.6 | 522.1 | 232.6 | 204.4 | 28.22 | 8.243 | | |
| 2,100.0 | 1,889.7 | 2,125.8 | 1,967.3 | 20.6 | 16.9 | -127.65 | 254.6 | 587.8 | 249.6 | 217.9 | 31.72 | 7.868 | | |
| 2,200.0 | 1,955.6 | 2,229.8 | 2,041.5 | 22.8 | 18.9 | -126.72 | 277.6 | 656.8 | 267.1 | 231.6 | 35.50 | 7.525 | | |
| 2,300.0 | 2,018.2 | 2,334.0 | 2,112.5 | 25.2 | 21.1 | -125.75 | 301.8 | 729.1 | 285.1 | 245.6 | 39.55 | 7.211 | | |
| 2,335.1 | 2,039.4 | 2,370.6 | 2,136.6 | 26.0 | 21.9 | -125.41 | 310.5 | 755.3 | 291.6 | 250.6 | 41.03 | 7.107 | | |
| 2,400.0 | 2,078.1 | 2,438.4 | 2,180.1 | 27.6 | 23.4 | -124.86 | 327.0 | 804.6 | 303.1 | 259.2 | 43.89 | 6.907 | | |
| 2,500.0 | 2,137.8 | 2,539.9 | 2,242.7 | 30.1 | 25.7 | -123.58 | 352.3 | 880.4 | 319.6 | 271.0 | 48.54 | 6.584 | | |
| 2,600.0 | 2,197.4 | 2,638.4 | 2,302.9 | 32.6 | 28.0 | -122.38 | 377.0 | 954.3 | 335.9 | 282.7 | 53.21 | 6.314 | | |
| 2,700.0 | 2,257.1 | 2,736.8 | 2,363.2 | 35.0 | 30.3 | -121.29 | 401.6 | 1,028.1 | 352.4 | 294.5 | 57.91 | 6.086 | | |
| 2,800.0 | 2,316.7 | 2,835.2 | 2,423.4 | 37.5 | 32.6 | -120.30 | 426.3 | 1,101.9 | 369.0 | 306.4 | 62.64 | 5.891 | | |
| 2,900.0 | 2,376.4 | 2,933.6 | 2,483.6 | 40.0 | 34.9 | -119.39 | 450.9 | 1,175.8 | 385.7 | 318.3 | 67.38 | 5.724 | | |
| 3,000.0 | 2,436.0 | 3,032.0 | 2,543.8 | 42.5 | 37.2 | -118.56 | 475.6 | 1,249.6 | 402.5 | 330.4 | 72.14 | 5.579 | | |
| 3,100.0 | 2,495.7 | 3,130.5 | 2,604.1 | 45.0 | 39.5 | -117.79 | 500.2 | 1,323.4 | 419.4 | 342.5 | 76.91 | 5.453 | | |
| 3,200.0 | 2,555.3 | 3,228.9 | 2,664.3 | 47.5 | 41.8 | -117.08 | 524.9 | 1,397.2 | 436.3 | 354.6 | 81.69 | 5.341 | | |
| 3,300.0 | 2,615.0 | 3,327.3 | 2,724.5 | 50.0 | 44.2 | -116.43 | 549.6 | 1,471.1 | 453.3 | 366.8 | 86.48 | 5.242 | | |
| 3,400.0 | 2,674.6 | 3,425.7 | 2,784.8 | 52.5 | 46.5 | -115.82 | 574.2 | 1,544.9 | 470.3 | 379.1 | 91.27 | 5.153 | | |
| 3,500.0 | 2,734.3 | 3,524.1 | 2,845.0 | 55.0 | 48.8 | -115.26 | 598.9 | 1,618.7 | 487.4 | 391.4 | 96.06 | 5.074 | | |
| 3,600.0 | 2,793.9 | 3,622.6 | 2,905.2 | 57.5 | 51.1 | -114.73 | 623.5 | 1,692.6 | 504.6 | 403.7 | 100.86 | 5.002 | | |
| 3,700.0 | 2,853.6 | 3,721.0 | 2,965.4 | 60.0 | 53.5 | -114.24 | 648.2 | 1,766.4 | 521.7 | 416.1 | 105.66 | 4.938 | | |
| 3,800.0 | 2,913.2 | 3,819.4 | 3,025.7 | 62.5 | 55.8 | -113.78 | 672.8 | 1,840.2 | 538.9 | 428.5 | 110.47 | 4.879 | | |
| 3,900.0 | 2,972.9 | 3,917.8 | 3,085.9 | 65.0 | 58.1 | -113.35 | 697.5 | 1,914.0 | 556.2 | 440.9 | 115.27 | 4.825 | | |
| 4,000.0 | 3,032.6 | 4,016.2 | 3,146.1 | 67.5 | 60.5 | -112.94 | 722.2 | 1,987.9 | 573.4 | 453.4 | 120.08 | 4.776 | | |
| 4,100.0 | 3,092.2 | 4,114.6 | 3,206.4 | 70.0 | 62.8 | -112.56 | 746.8 | 2,061.7 | 590.7 | 465.9 | 124.89 | 4.730 | | |
| 4,200.0 | 3,151.9 | 4,213.1 | 3,266.6 | 72.5 | 65.2 | -112.20 | 771.5 | 2,135.5 | 608.1 | 478.4 | 129.69 | 4.688 | | |
| 4,300.0 | 3,211.5 | 4,311.5 | 3,326.8 | 75.0 | 67.5 | -111.86 | 796.1 | 2,209.4 | 625.4 | 490.9 | 134.50 | 4.650 | | |
| 4,400.0 | 3,271.2 | 4,409.9 | 3,387.0 | 77.5 | 69.8 | -111.53 | 820.8 | 2,283.2 | 642.8 | 503.5 | 139.31 | 4.614 | | |
| 4,500.0 | 3,330.8 | 4,508.3 | 3,447.3 | 80.0 | 72.2 | -111.23 | 845.4 | 2,357.0 | 660.1 | 516.0 | 144.12 | 4.581 | | |
| 4,560.2 | 3,366.7 | 4,567.6 | 3,483.5 | 81.5 | 73.6 | -111.05 | 860.3 | 2,401.5 | 670.6 | 523.6 | 147.01 | 4.562 | | |
| 4,600.0 | 3,391.4 | 4,606.8 | 3,507.5 | 82.5 | 74.5 | -110.83 | 870.1 | 2,430.9 | 676.9 | 527.9 | 148.97 | 4.544 | | |
| 4,650.0 | 3,425.1 | 4,656.0 | 3,537.7 | 83.5 | 75.7 | -110.02 | 882.4 | 2,467.8 | 683.0 | 531.5 | 151.49 | 4.509 | | |
| 4,700.0 | 3,461.5 | 4,705.0 | 3,567.6 | 84.4 | 76.8 | -108.59 | 894.7 | 2,504.6 | 687.2 | 533.1 | 154.09 | 4.460 | | |

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

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Magpie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-8H - Wellbore #1 - Plan #2 (12-06-18) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|--------------------|-------------------|--------------------|---------|
| Survey Program: | | 0-MWD | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | | Between Centres | Between Ellipses | Minimum Separation | Separation Factor | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | (ft) | | | |
| 4,750.0 | 3,500.5 | 4,753.3 | 3,597.2 | 85.3 | 78.0 | -106.51 | 906.8 | 2,540.8 | 689.5 | 532.8 | 156.71 | 4.400 | | |
| 4,800.0 | 3,541.7 | 4,800.8 | 3,626.2 | 86.0 | 79.1 | -103.68 | 918.7 | 2,576.4 | 690.2 | 530.9 | 159.30 | 4.333 | | |
| 4,850.0 | 3,584.9 | 4,847.0 | 3,654.5 | 86.5 | 80.2 | -99.97 | 930.3 | 2,611.1 | 689.4 | 527.6 | 161.80 | 4.261 | | |
| 4,900.0 | 3,629.9 | 4,891.7 | 3,681.9 | 87.0 | 81.3 | -95.14 | 941.5 | 2,644.6 | 687.4 | 523.2 | 164.13 | 4.188 | | |
| 4,950.0 | 3,676.4 | 4,934.7 | 3,708.2 | 87.4 | 82.3 | -88.71 | 952.3 | 2,676.9 | 684.5 | 518.3 | 166.23 | 4.118 | | |
| 5,000.0 | 3,724.1 | 4,975.7 | 3,733.3 | 87.7 | 83.3 | -79.74 | 962.5 | 2,707.6 | 681.1 | 513.1 | 168.05 | 4.053 | | |
| 5,050.0 | 3,772.6 | 5,014.4 | 3,757.0 | 87.9 | 84.2 | -66.29 | 972.2 | 2,736.7 | 677.7 | 508.2 | 169.53 | 3.997 | | |
| 5,100.0 | 3,821.8 | 5,045.2 | 3,775.9 | 88.0 | 84.9 | -45.10 | 980.0 | 2,759.7 | 674.6 | 504.2 | 170.44 | 3.958 | | |
| 5,150.0 | 3,871.2 | 5,069.6 | 3,791.5 | 88.1 | 85.4 | -14.30 | 986.3 | 2,777.4 | 672.7 | 501.9 | 170.86 | 3.937 | | |
| 5,189.1 | 3,910.0 | 5,088.6 | 3,804.0 | 88.1 | 85.8 | 10.20 | 991.5 | 2,790.7 | 672.3 | 501.2 | 171.06 | 3.930 | | |
| 5,200.0 | 3,920.7 | 5,100.0 | 3,811.7 | 88.1 | 86.0 | 16.38 | 994.7 | 2,798.5 | 672.3 | 501.1 | 171.27 | 3.926 SF | | |
| 5,250.0 | 3,969.8 | 5,118.1 | 3,824.2 | 88.0 | 86.4 | 36.03 | 999.8 | 2,810.5 | 673.5 | 502.3 | 171.21 | 3.934 | | |
| 5,300.0 | 4,018.3 | 5,142.1 | 3,841.2 | 87.9 | 86.8 | 48.15 | 1,006.8 | 2,825.9 | 676.4 | 505.2 | 171.21 | 3.951 | | |
| 5,350.0 | 4,065.9 | 5,166.0 | 3,858.7 | 87.9 | 87.2 | 55.92 | 1,014.0 | 2,840.5 | 681.3 | 510.1 | 171.14 | 3.981 | | |
| 5,400.0 | 4,112.3 | 5,189.8 | 3,876.6 | 87.8 | 87.6 | 61.26 | 1,021.4 | 2,854.3 | 688.1 | 517.1 | 171.03 | 4.023 | | |
| 5,450.0 | 4,157.2 | 5,213.3 | 3,894.7 | 87.7 | 88.0 | 65.11 | 1,028.9 | 2,867.3 | 697.1 | 526.1 | 170.91 | 4.079 | | |
| 5,500.0 | 4,200.4 | 5,236.6 | 3,913.1 | 87.6 | 88.3 | 67.96 | 1,036.5 | 2,879.5 | 708.1 | 537.3 | 170.80 | 4.146 | | |
| 5,550.0 | 4,241.4 | 5,259.7 | 3,931.8 | 87.5 | 88.6 | 70.06 | 1,044.2 | 2,890.8 | 721.3 | 550.6 | 170.70 | 4.225 | | |
| 5,600.0 | 4,280.2 | 5,282.5 | 3,950.5 | 87.5 | 88.9 | 71.58 | 1,052.0 | 2,901.2 | 736.5 | 565.9 | 170.62 | 4.317 | | |
| 5,650.0 | 4,316.5 | 5,304.9 | 3,969.2 | 87.5 | 89.1 | 72.60 | 1,059.8 | 2,910.7 | 753.9 | 583.3 | 170.55 | 4.420 | | |
| 5,700.0 | 4,350.0 | 5,326.9 | 3,987.8 | 87.5 | 89.4 | 73.17 | 1,067.5 | 2,919.3 | 773.2 | 602.8 | 170.44 | 4.537 | | |
| 5,750.0 | 4,380.6 | 5,348.1 | 4,006.1 | 87.6 | 89.6 | 73.33 | 1,075.1 | 2,927.0 | 794.4 | 624.1 | 170.27 | 4.666 | | |

| | | | |
|---------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Company: | Maggie Operating, Inc. | Local Co-ordinate Reference: | Well Bunker 8-6H |
| Project: | SEC.29-T5N-R68W | TVD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Reference Site: | Bunker 8 Well Pad Sec.29-T5N-R68W | MD Reference: | WELL @ 5003.0ft (Original Well Elev) |
| Site Error: | 0.0 ft | North Reference: | True |
| Reference Well: | Bunker 8-6H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0 ft | Output errors are at | 2.45 sigma |
| Reference Wellbore | Wellbore #1 | Database: | US_EDM |
| Reference Design: | Plan #2 (12-06-18) | Offset TVD Reference: | Offset Datum |

| Offset Design Bunker 8 Well Pad Sec.29-T5N-R68W - Bunker 8-9H - Wellbore #1 - Plan #2 (12-16-18) | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|-------------------------|-------------------|--------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Minimum Separation (ft) | Separation Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 87.4 | 0.0 | 87.6 | | | | | |
| 100.0 | 100.0 | 95.0 | 95.0 | 0.1 | 0.1 | 0.00 | 87.4 | 0.0 | 87.4 | 87.2 | 0.27 | 325.695 | | |
| 200.0 | 200.0 | 195.0 | 195.0 | 0.4 | 0.4 | 0.00 | 87.4 | 0.0 | 87.4 | 86.6 | 0.81 | 107.650 CC, ES | | |
| 300.0 | 300.0 | 293.6 | 293.6 | 0.7 | 0.7 | -84.50 | 88.2 | 1.8 | 88.0 | 86.6 | 1.34 | 65.462 | | |
| 400.0 | 399.7 | 392.1 | 391.9 | 1.0 | 1.0 | -84.94 | 90.6 | 7.4 | 89.8 | 87.8 | 1.91 | 47.089 | | |
| 500.0 | 499.1 | 490.6 | 489.9 | 1.3 | 1.3 | -85.54 | 94.6 | 17.0 | 92.8 | 90.2 | 2.55 | 36.329 | | |
| 600.0 | 598.0 | 589.1 | 587.2 | 1.7 | 1.6 | -86.27 | 100.3 | 30.4 | 97.0 | 93.7 | 3.32 | 29.215 | | |
| 700.0 | 696.0 | 687.4 | 683.8 | 2.2 | 2.1 | -87.07 | 107.5 | 47.6 | 102.6 | 98.3 | 4.24 | 24.187 | | |
| 800.0 | 793.2 | 785.7 | 779.3 | 2.7 | 2.6 | -87.91 | 116.4 | 68.6 | 109.3 | 104.0 | 5.33 | 20.502 | | |
| 900.0 | 889.2 | 883.8 | 873.7 | 3.4 | 3.3 | -88.74 | 126.8 | 93.3 | 117.3 | 110.7 | 6.62 | 17.737 | | |
| 1,000.0 | 983.9 | 981.9 | 966.8 | 4.2 | 4.0 | -89.53 | 138.8 | 121.7 | 126.6 | 118.5 | 8.10 | 15.626 | | |
| 1,100.0 | 1,077.0 | 1,079.7 | 1,058.3 | 5.1 | 4.8 | -90.26 | 152.3 | 153.6 | 137.0 | 127.3 | 9.80 | 13.989 | | |
| 1,200.0 | 1,168.6 | 1,177.4 | 1,148.1 | 6.1 | 5.8 | -90.92 | 167.3 | 189.1 | 148.7 | 137.0 | 11.71 | 12.700 | | |
| 1,300.0 | 1,258.3 | 1,275.0 | 1,236.0 | 7.2 | 6.8 | -91.50 | 183.7 | 228.0 | 161.5 | 147.7 | 13.84 | 11.670 | | |
| 1,400.0 | 1,345.9 | 1,372.3 | 1,321.8 | 8.4 | 8.0 | -92.01 | 201.5 | 270.2 | 175.5 | 159.3 | 16.20 | 10.836 | | |
| 1,500.0 | 1,431.4 | 1,469.5 | 1,405.5 | 9.8 | 9.2 | -92.43 | 220.7 | 315.7 | 190.6 | 171.8 | 18.78 | 10.150 | | |
| 1,600.0 | 1,514.5 | 1,566.4 | 1,486.9 | 11.3 | 10.6 | -92.78 | 241.2 | 364.3 | 206.8 | 185.2 | 21.59 | 9.579 | | |
| 1,700.0 | 1,595.2 | 1,663.2 | 1,565.8 | 12.9 | 12.0 | -93.06 | 263.0 | 415.9 | 224.1 | 199.4 | 24.62 | 9.099 | | |
| 1,800.0 | 1,673.2 | 1,759.7 | 1,642.1 | 14.6 | 13.6 | -93.27 | 286.0 | 470.4 | 242.3 | 214.4 | 27.89 | 8.690 | | |
| 1,900.0 | 1,748.3 | 1,856.0 | 1,715.6 | 16.5 | 15.3 | -93.42 | 310.2 | 527.6 | 261.6 | 230.2 | 31.37 | 8.338 | | |
| 2,000.0 | 1,820.6 | 1,952.2 | 1,786.4 | 18.5 | 17.1 | -93.52 | 335.5 | 587.6 | 281.8 | 246.7 | 35.08 | 8.032 | | |
| 2,100.0 | 1,889.7 | 2,048.1 | 1,854.2 | 20.6 | 19.0 | -93.57 | 361.9 | 650.1 | 302.9 | 263.9 | 39.00 | 7.765 | | |
| 2,200.0 | 1,955.6 | 2,143.8 | 1,919.0 | 22.8 | 21.0 | -93.57 | 389.3 | 715.0 | 324.8 | 281.7 | 43.14 | 7.530 | | |
| 2,300.0 | 2,018.2 | 2,239.4 | 1,980.7 | 25.2 | 23.0 | -93.54 | 417.7 | 782.2 | 347.6 | 300.1 | 47.48 | 7.322 | | |
| 2,335.1 | 2,039.4 | 2,272.9 | 2,001.6 | 26.0 | 23.8 | -93.51 | 427.8 | 806.4 | 355.8 | 306.8 | 49.05 | 7.254 | | |
| 2,400.0 | 2,078.1 | 2,334.8 | 2,039.2 | 27.6 | 25.2 | -93.71 | 447.0 | 851.7 | 371.1 | 319.1 | 52.01 | 7.136 | | |
| 2,500.0 | 2,137.8 | 2,431.1 | 2,095.5 | 30.1 | 27.5 | -93.59 | 477.3 | 923.6 | 395.1 | 338.4 | 56.65 | 6.974 | | |
| 2,600.0 | 2,197.4 | 2,528.2 | 2,152.0 | 32.6 | 29.8 | -93.43 | 508.1 | 996.4 | 419.0 | 357.7 | 61.34 | 6.831 | | |
| 2,700.0 | 2,257.1 | 2,625.3 | 2,208.4 | 35.0 | 32.1 | -93.28 | 538.8 | 1,069.1 | 443.0 | 377.0 | 66.05 | 6.707 | | |
| 2,800.0 | 2,316.7 | 2,722.4 | 2,264.9 | 37.5 | 34.4 | -93.15 | 569.5 | 1,141.9 | 467.0 | 396.2 | 70.77 | 6.599 | | |
| 2,900.0 | 2,376.4 | 2,819.4 | 2,321.3 | 40.0 | 36.8 | -93.03 | 600.2 | 1,214.7 | 491.0 | 415.5 | 75.49 | 6.504 | | |
| 3,000.0 | 2,436.0 | 2,916.5 | 2,377.8 | 42.5 | 39.1 | -92.92 | 630.9 | 1,287.4 | 515.0 | 434.7 | 80.23 | 6.419 | | |
| 3,100.0 | 2,495.7 | 3,013.6 | 2,434.2 | 45.0 | 41.4 | -92.82 | 661.6 | 1,360.2 | 539.0 | 454.0 | 84.97 | 6.343 | | |
| 3,200.0 | 2,555.3 | 3,110.7 | 2,490.7 | 47.5 | 43.8 | -92.73 | 692.4 | 1,432.9 | 562.9 | 473.2 | 89.71 | 6.275 | | |
| 3,300.0 | 2,615.0 | 3,207.7 | 2,547.1 | 50.0 | 46.1 | -92.65 | 723.1 | 1,505.7 | 586.9 | 492.5 | 94.46 | 6.214 | | |
| 3,400.0 | 2,674.6 | 3,304.8 | 2,603.6 | 52.5 | 48.5 | -92.57 | 753.8 | 1,578.5 | 610.9 | 511.7 | 99.21 | 6.158 | | |
| 3,500.0 | 2,734.3 | 3,401.9 | 2,660.0 | 55.0 | 50.8 | -92.50 | 784.5 | 1,651.2 | 634.9 | 531.0 | 103.97 | 6.107 | | |
| 3,600.0 | 2,793.9 | 3,499.0 | 2,716.5 | 57.5 | 53.2 | -92.44 | 815.2 | 1,724.0 | 658.9 | 550.2 | 108.73 | 6.060 | | |
| 3,700.0 | 2,853.6 | 3,596.0 | 2,772.9 | 60.0 | 55.5 | -92.38 | 845.9 | 1,796.7 | 682.9 | 569.4 | 113.49 | 6.017 | | |
| 3,800.0 | 2,913.2 | 3,693.1 | 2,829.3 | 62.5 | 57.9 | -92.32 | 876.7 | 1,869.5 | 706.9 | 588.7 | 118.25 | 5.978 | | |
| 3,900.0 | 2,972.9 | 3,790.2 | 2,885.8 | 65.0 | 60.2 | -92.27 | 907.4 | 1,942.3 | 730.9 | 607.9 | 123.02 | 5.941 | | |
| 4,000.0 | 3,032.6 | 3,887.3 | 2,942.2 | 67.5 | 62.6 | -92.22 | 938.1 | 2,015.0 | 754.9 | 627.1 | 127.78 | 5.908 | | |
| 4,100.0 | 3,092.2 | 3,984.3 | 2,998.7 | 70.0 | 64.9 | -92.17 | 968.8 | 2,087.8 | 778.9 | 646.3 | 132.55 | 5.876 SF | | |

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|---|--|
| Reference Depths are relative to WELL @ 5003.0ft (Original Well Elev) | Coordinates are relative to: Bunker 8-6H |
| Offset Depths are relative to Offset Datum | Coordinate System is US State Plane 1983, Colorado Northern Zone |
| Central Meridian is -105.500000 | Grid Convergence at Surface is: 0.30° |



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|---|--|
| Reference Depths are relative to WELL @ 5003.0ft (Original Well Elev) | Coordinates are relative to: Bunker 8-6H |
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