

MALLARD EXPLORATION

WELD COUNTY, COLORADO (NAD 83)

SE SW SEC. 31 T9N R59W 6th P.M.

AF 1

ORIGINAL WELLBORE

25 July, 2019

Plan: PROPOSAL #2





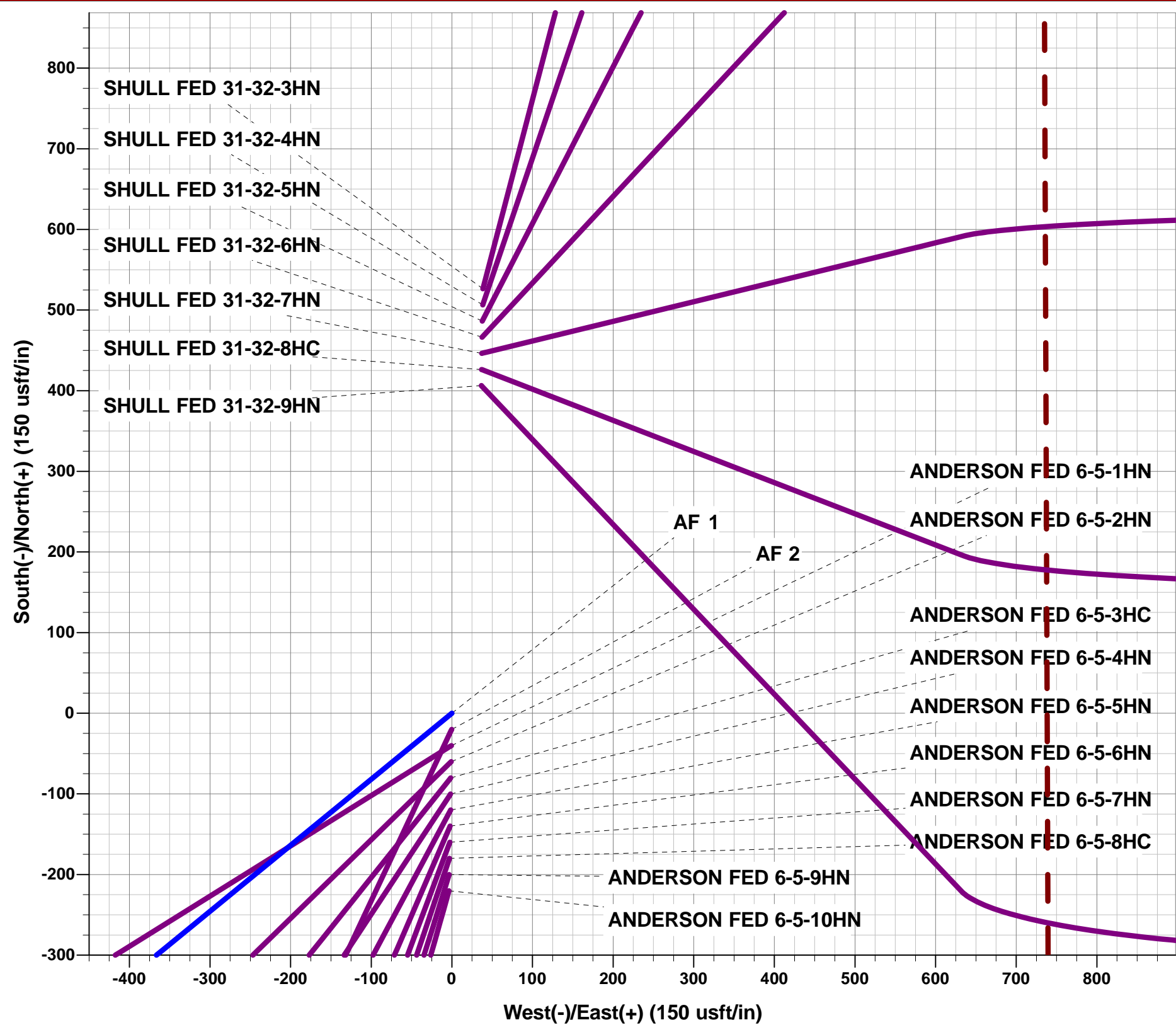
Project: WELD COUNTY, COLORADO (NAD 83)
Site: SE SW SEC. 31 T9N R59W 6th P.M.
Well: AF 1
Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #2

ANNOTATIONS

| TVD | MD | Inc | Azi | +N/-S | +E/-W | VSect | Dep | Annotation |
|---------|----------|-------|--------|----------|----------|----------|----------|--|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | SHL: 742ft FSL & 1913ft FWL of Sec 31 |
| 1200.00 | 1200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | START NUDGE (3°/100ft BUR) |
| 2013.64 | 2040.51 | 25.22 | 230.68 | -115.32 | -140.78 | -122.19 | 181.98 | EOB TO 25.22° INC |
| 5318.06 | 5692.96 | 25.22 | 230.68 | -1101.30 | -1344.53 | -1166.99 | 1738.00 | KOP (10°/100ft DGLG) |
| 6048.00 | 6785.35 | 90.00 | 90.01 | -1319.27 | -803.62 | -599.80 | 2427.66 | LP *NEW*: 593ft FNL & 600ft FWL of Sec 6 |
| 6048.00 | 16430.39 | 90.00 | 90.01 | -1321.29 | 8841.42 | 8939.60 | 12072.70 | BHL: 592ft FNL & 300ft FEL of Sec 5 |

WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Latitude | Longitude |
|---------------------|---------|----------|---------|-----------|-------------|
| LP *NEW* - AF 1(P2) | 6048.00 | -1319.27 | -803.62 | 40.697675 | -104.026317 |
| BHL - AF 1 (P2) | 6048.00 | -1321.29 | 8841.42 | 40.697665 | -103.991534 |

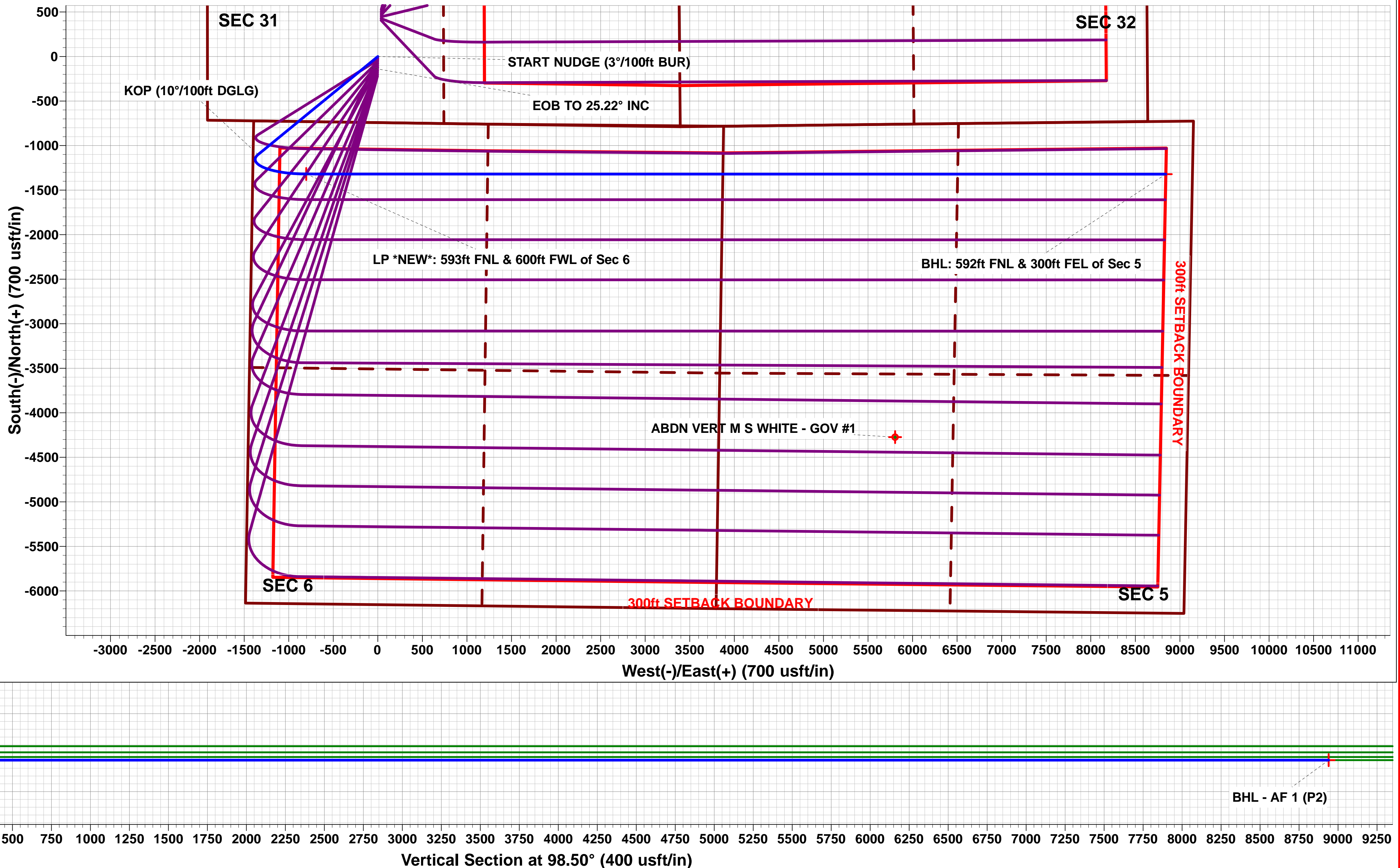
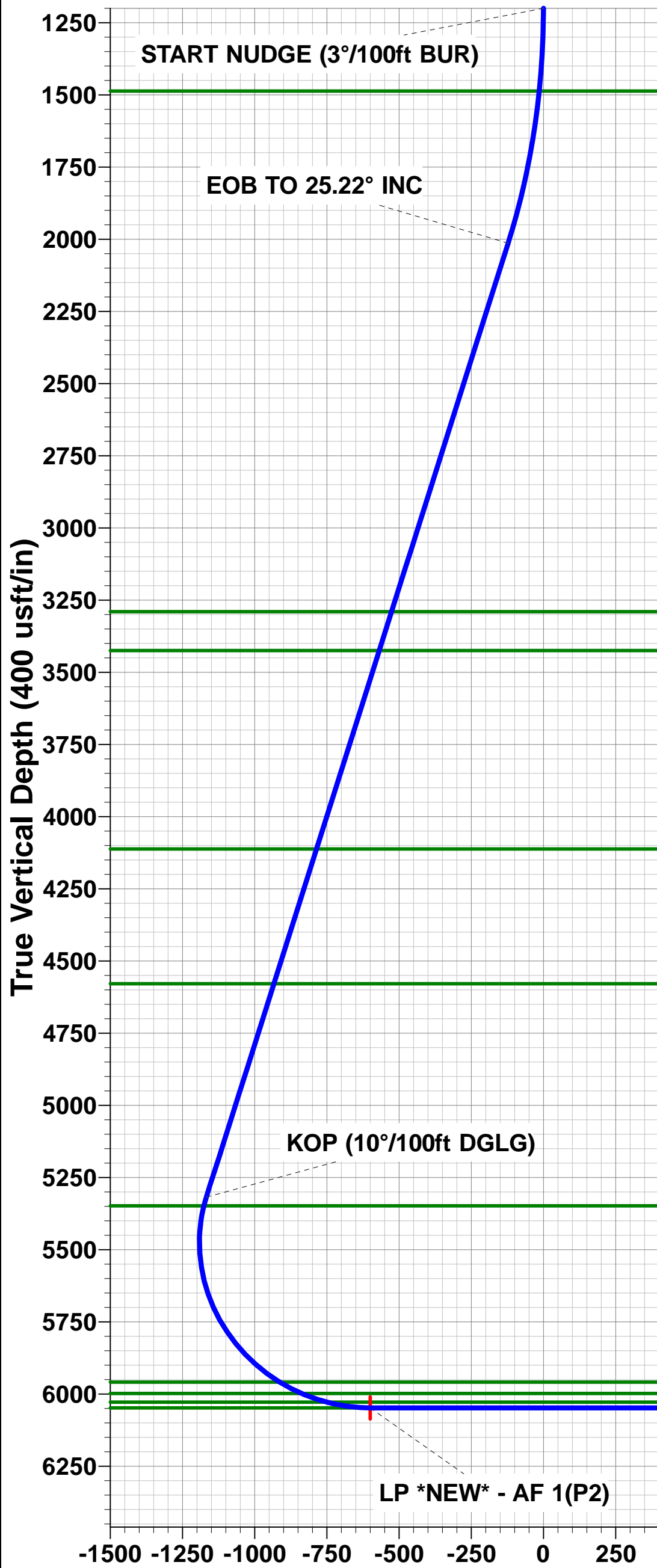
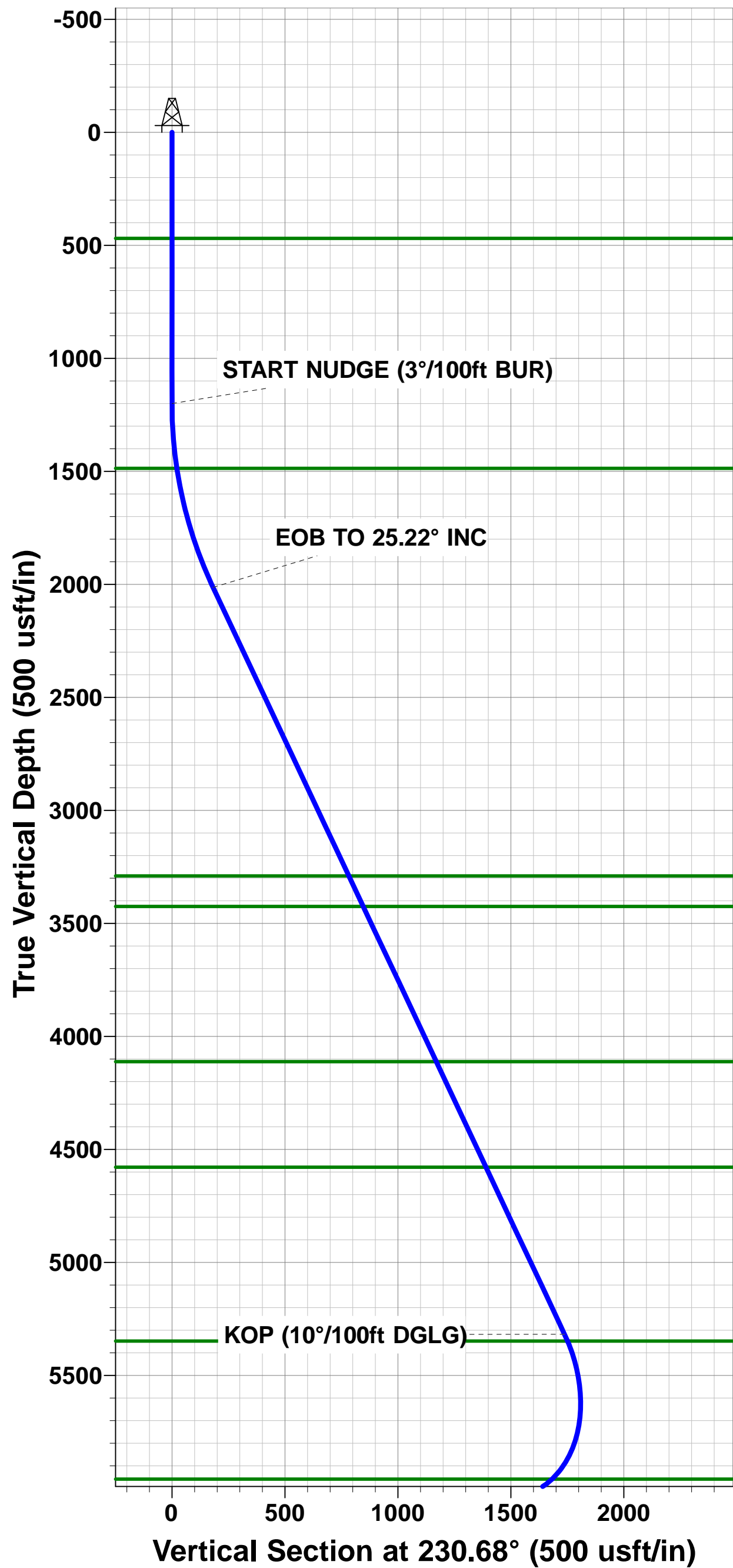


FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|-----------------------------|
| 470.00 | 470.00 | Fox Hills Base |
| 1487.00 | 1488.09 | Pierre Shale Top |
| 3290.00 | 3451.30 | Richard Sandstone |
| 3425.00 | 3600.52 | Parkman Sandstone |
| 4112.00 | 4359.87 | Sussex Sandstone |
| 4579.00 | 4876.06 | Shannon Sandstone |
| 5348.00 | 5725.74 | TeePee Buttes |
| 5959.00 | 6454.54 | Sharon Springs |
| 5998.00 | 6538.93 | Niobrara Top |
| 6028.00 | 6630.23 | Niobrara A Chalk Target Top |
| 6048.00 | 6785.35 | Niobrara A Chalk Tgt Center |

PROPOSED LOCAL COORDINATES:

SHL: 742ft FSL & 1913ft FWL of Sec 31
HZ LP *NEW*: 593ft FNL & 600ft FWL of Sec 6
BHL: 592ft FNL & 300ft FEL of Sec 5



Planning Report



| | | | |
|------------------|---------------------------------|-------------------------------------|---|
| Database: | Database 1 | Local Co-ordinate Reference: | Well AF 1 |
| Company: | MALLARD EXPLORATION | TVD Reference: | KB 25' @ 4903.00usft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO (NAD 83) | MD Reference: | KB 25' @ 4903.00usft (Original Well Elev) |
| Site: | SE SW SEC. 31 T9N R59W 6th P.M. | North Reference: | True |
| Well: | AF 1 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIGINAL WELLBORE | | |
| Design: | PROPOSAL #2 | | |

| | | | |
|--------------------|--------------------------------|----------------------|-----------------------------|
| Project | WELD COUNTY, COLORADO (NAD 83) | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | Using geodetic scale factor |

| | | | | | |
|-----------------------|---------------------------------|--------------|-------------------|-------------------|-------------|
| Site | SE SW SEC. 31 T9N R59W 6th P.M. | | | | |
| Site Position: | | Northing: | 1,501,513.53 usft | Latitude: | 40.700697 |
| From: | Lat/Long | Easting: | 3,409,242.57 usft | Longitude: | -104.023987 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 1.10 ft | Grid Convergence: | 0.95 ° |

| | | | | | | |
|----------------------|------|-------------|---------------------|-------------------|---------------|---------------|
| Well | AF 1 | | | | | |
| Well Position | +N-S | 218.23 usft | Northing: | 1,501,734.34 usft | Latitude: | 40.701296 |
| | +E-W | 157.49 usft | Easting: | 3,409,396.41 usft | Longitude: | -104.023419 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | usft | Ground Level: | 4,878.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | ORIGINAL WELLBORE | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2015 | 23/07/2019 | 7.61 | 67.15 | 52,382 |

| | | | | |
|--------------------------|--------------------------------|--------------------|----------------------|----------------------|
| Design | PROPOSAL #2 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N-S (usft) | +E-W (usft) | Direction (°) |
| | 6,048.00 | 0.00 | 0.00 | 98.50 |

| Plan Sections | | | | | | | | | | | |
|----------------------|---------|---------|----------------|-----------|-------------|-------------|------------------------|-----------------------|----------------------|---------|-------------------|
| MD (usft) | Inc (°) | Azi (°) | Vertical Depth | SS (usft) | +N-S (usft) | +E-W (usft) | Dogleg Rate (°/100usf) | Build Rate (°/100usf) | Turn Rate (°/100usf) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | -4,903.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,200.00 | 0.00 | 0.00 | 1,200.00 | -3,703.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2,040.51 | 25.22 | 230.68 | 2,013.64 | -2,889.36 | -115.32 | -140.78 | 3.00 | 3.00 | 0.00 | 230.68 | |
| 5,692.96 | 25.22 | 230.68 | 5,318.06 | 415.06 | -1,101.30 | -1,344.53 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,785.35 | 90.00 | 90.01 | 6,048.00 | 1,145.00 | -1,319.27 | -803.62 | 10.00 | 5.93 | -12.88 | -137.83 | LP *NEW* - AF 1(P |
| 16,430.39 | 90.00 | 90.01 | 6,048.00 | 1,145.00 | -1,321.29 | 8,841.42 | 0.00 | 0.00 | 0.00 | 0.00 | BHL - AF 1 (P2) |

Planning Report



| | | | |
|------------------|---------------------------------|-------------------------------------|---|
| Database: | Database 1 | Local Co-ordinate Reference: | Well AF 1 |
| Company: | MALLARD EXPLORATION | TVD Reference: | KB 25' @ 4903.00usft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO (NAD 83) | MD Reference: | KB 25' @ 4903.00usft (Original Well Elev) |
| Site: | SE SW SEC. 31 T9N R59W 6th P.M. | North Reference: | True |
| Well: | AF 1 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIGINAL WELLBORE | | |
| Design: | PROPOSAL #2 | | |

| Planned Survey | | | | | | | | | | |
|--|------------|------------|---------------|--------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| MD (usft) | Inc (°) | Azi (°) | TVD (usft) | SS (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| SHL: 742ft FSL & 1913ft FWL of Sec 31 | | | | | | | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 4,903.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 4,803.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 4,703.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.00 | 0.00 | 300.00 | 4,603.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.00 | 0.00 | 400.00 | 4,503.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fox Hills Base | | | | | | | | | | |
| 470.00 | 0.00 | 0.00 | 470.00 | 4,433.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500.00 | 0.00 | 0.00 | 500.00 | 4,403.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 | 0.00 | 0.00 | 600.00 | 4,303.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700.00 | 0.00 | 0.00 | 700.00 | 4,203.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 0.00 | 0.00 | 800.00 | 4,103.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 900.00 | 0.00 | 0.00 | 900.00 | 4,003.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 3,903.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 0.00 | 0.00 | 1,100.00 | 3,803.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| START NUDGE (3°/100ft BUR) | | | | | | | | | | |
| 1,200.00 | 0.00 | 0.00 | 1,200.00 | 3,703.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 3.00 | 230.68 | 1,299.95 | 3,603.05 | -1.66 | -2.02 | -1.76 | 3.00 | 3.00 | 0.00 |
| 1,400.00 | 6.00 | 230.68 | 1,399.63 | 3,503.37 | -6.63 | -8.09 | -7.03 | 3.00 | 3.00 | 0.00 |
| Pierre Shale Top | | | | | | | | | | |
| 1,488.09 | 8.64 | 230.68 | 1,487.00 | 3,416.00 | -13.74 | -16.78 | -14.56 | 3.00 | 3.00 | 0.00 |
| 1,500.00 | 9.00 | 230.68 | 1,498.77 | 3,404.23 | -14.90 | -18.19 | -15.79 | 3.00 | 3.00 | 0.00 |
| 1,600.00 | 12.00 | 230.68 | 1,597.08 | 3,305.92 | -26.45 | -32.29 | -28.02 | 3.00 | 3.00 | 0.00 |
| 1,700.00 | 15.00 | 230.68 | 1,694.31 | 3,208.69 | -41.24 | -50.34 | -43.70 | 3.00 | 3.00 | 0.00 |
| 1,800.00 | 18.00 | 230.68 | 1,790.18 | 3,112.82 | -59.23 | -72.31 | -62.76 | 3.00 | 3.00 | 0.00 |
| 1,900.00 | 21.00 | 230.68 | 1,884.43 | 3,018.57 | -80.38 | -98.13 | -85.18 | 3.00 | 3.00 | 0.00 |
| 2,000.00 | 24.00 | 230.68 | 1,976.81 | 2,926.19 | -104.63 | -127.74 | -110.87 | 3.00 | 3.00 | 0.00 |
| EOB TO 25.22° INC | | | | | | | | | | |
| 2,040.51 | 25.22 | 230.68 | 2,013.64 | 2,889.36 | -115.32 | -140.78 | -122.19 | 3.00 | 3.00 | 0.00 |
| 2,100.00 | 25.22 | 230.68 | 2,067.46 | 2,835.54 | -131.38 | -160.39 | -139.21 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 25.22 | 230.68 | 2,157.93 | 2,745.07 | -158.37 | -193.35 | -167.82 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 25.22 | 230.68 | 2,248.40 | 2,654.60 | -185.37 | -226.31 | -196.42 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 25.22 | 230.68 | 2,338.88 | 2,564.12 | -212.36 | -259.26 | -225.03 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 25.22 | 230.68 | 2,429.35 | 2,473.65 | -239.36 | -292.22 | -253.63 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 25.22 | 230.68 | 2,519.82 | 2,383.18 | -266.35 | -325.18 | -282.24 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 25.22 | 230.68 | 2,610.29 | 2,292.71 | -293.35 | -358.13 | -310.84 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 25.22 | 230.68 | 2,700.76 | 2,202.24 | -320.34 | -391.09 | -339.45 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 25.22 | 230.68 | 2,791.23 | 2,111.77 | -347.34 | -424.05 | -368.06 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 25.22 | 230.68 | 2,881.70 | 2,021.30 | -374.33 | -457.01 | -396.66 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 25.22 | 230.68 | 2,972.18 | 1,930.82 | -401.33 | -489.96 | -425.27 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 25.22 | 230.68 | 3,062.65 | 1,840.35 | -428.32 | -522.92 | -453.87 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 25.22 | 230.68 | 3,153.12 | 1,749.88 | -455.32 | -555.88 | -482.48 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 25.22 | 230.68 | 3,243.59 | 1,659.41 | -482.31 | -588.84 | -511.08 | 0.00 | 0.00 | 0.00 |
| Richard Sandstone | | | | | | | | | | |
| 3,451.30 | 25.22 | 230.68 | 3,290.00 | 1,613.00 | -496.16 | -605.74 | -525.76 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 25.22 | 230.68 | 3,334.06 | 1,568.94 | -509.31 | -621.79 | -539.69 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 25.22 | 230.68 | 3,424.53 | 1,478.47 | -536.30 | -654.75 | -568.29 | 0.00 | 0.00 | 0.00 |
| Parkman Sandstone | | | | | | | | | | |
| 3,600.52 | 25.22 | 230.68 | 3,425.00 | 1,478.00 | -536.44 | -654.92 | -568.44 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 25.22 | 230.68 | 3,515.00 | 1,388.00 | -563.30 | -687.71 | -596.90 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 25.22 | 230.68 | 3,605.48 | 1,297.52 | -590.29 | -720.67 | -625.50 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 25.22 | 230.68 | 3,695.95 | 1,207.05 | -617.29 | -753.62 | -654.11 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 25.22 | 230.68 | 3,786.42 | 1,116.58 | -644.28 | -786.58 | -682.71 | 0.00 | 0.00 | 0.00 |

Planning Report



| | | | |
|------------------|---------------------------------|-------------------------------------|---|
| Database: | Database 1 | Local Co-ordinate Reference: | Well AF 1 |
| Company: | MALLARD EXPLORATION | TVD Reference: | KB 25' @ 4903.00usft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO (NAD 83) | MD Reference: | KB 25' @ 4903.00usft (Original Well Elev) |
| Site: | SE SW SEC. 31 T9N R59W 6th P.M. | North Reference: | True |
| Well: | AF 1 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIGINAL WELLBORE | | |
| Design: | PROPOSAL #2 | | |

| Planned Survey | | | | | | | | | | |
|--|--------------|---------------|-----------------|------------------|------------------|------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| MD (usft) | Inc (°) | Azi (°) | TVD (usft) | SS (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 4,100.00 | 25.22 | 230.68 | 3,876.89 | 1,026.11 | -671.28 | -819.54 | -711.32 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 25.22 | 230.68 | 3,967.36 | 935.64 | -698.27 | -852.49 | -739.93 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 25.22 | 230.68 | 4,057.83 | 845.17 | -725.27 | -885.45 | -768.53 | 0.00 | 0.00 | 0.00 |
| Sussex Sandstone | | | | | | | | | | |
| 4,359.87 | 25.22 | 230.68 | 4,112.00 | 791.00 | -741.43 | -905.18 | -785.66 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 25.22 | 230.68 | 4,148.30 | 754.70 | -752.26 | -918.41 | -797.14 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 25.22 | 230.68 | 4,238.78 | 664.22 | -779.26 | -951.37 | -825.74 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 25.22 | 230.68 | 4,329.25 | 573.75 | -806.25 | -984.32 | -854.35 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 25.22 | 230.68 | 4,419.72 | 483.28 | -833.25 | -1,017.28 | -882.95 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 25.22 | 230.68 | 4,510.19 | 392.81 | -860.24 | -1,050.24 | -911.56 | 0.00 | 0.00 | 0.00 |
| Shannon Sandstone | | | | | | | | | | |
| 4,876.06 | 25.22 | 230.68 | 4,579.00 | 324.00 | -880.78 | -1,075.30 | -933.31 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 25.22 | 230.68 | 4,600.66 | 302.34 | -887.24 | -1,083.20 | -940.16 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 25.22 | 230.68 | 4,691.13 | 211.87 | -914.24 | -1,116.15 | -968.77 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 25.22 | 230.68 | 4,781.60 | 121.40 | -941.23 | -1,149.11 | -997.37 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 25.22 | 230.68 | 4,872.08 | 30.92 | -968.23 | -1,182.07 | -1,025.98 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 25.22 | 230.68 | 4,962.55 | -59.55 | -995.22 | -1,215.02 | -1,054.59 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 25.22 | 230.68 | 5,053.02 | -150.02 | -1,022.22 | -1,247.98 | -1,083.19 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 25.22 | 230.68 | 5,143.49 | -240.49 | -1,049.21 | -1,280.94 | -1,111.80 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 25.22 | 230.68 | 5,233.96 | -330.96 | -1,076.21 | -1,313.90 | -1,140.40 | 0.00 | 0.00 | 0.00 |
| KOP (10°/100ft DGLG) | | | | | | | | | | |
| 5,692.96 | 25.22 | 230.68 | 5,318.06 | -415.06 | -1,101.30 | -1,344.53 | -1,166.99 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 24.70 | 229.55 | 5,324.45 | -421.45 | -1,103.21 | -1,346.81 | -1,168.97 | 10.00 | -7.36 | -16.07 |
| TeePee Buttes | | | | | | | | | | |
| 5,725.74 | 22.88 | 225.01 | 5,348.00 | -445.00 | -1,110.23 | -1,354.45 | -1,175.48 | 10.00 | -7.04 | -17.61 |
| 5,800.00 | 18.63 | 207.70 | 5,417.49 | -514.49 | -1,130.97 | -1,370.19 | -1,187.99 | 10.00 | -5.73 | -23.31 |
| 5,900.00 | 16.68 | 174.90 | 5,513.01 | -610.01 | -1,159.48 | -1,376.36 | -1,189.87 | 10.00 | -1.95 | -32.80 |
| 6,000.00 | 20.10 | 144.67 | 5,608.10 | -705.10 | -1,187.86 | -1,365.12 | -1,174.56 | 10.00 | 3.42 | -30.23 |
| 6,100.00 | 26.90 | 126.04 | 5,699.88 | -796.88 | -1,215.26 | -1,336.82 | -1,142.52 | 10.00 | 6.81 | -18.63 |
| 6,200.00 | 35.18 | 115.06 | 5,785.55 | -882.55 | -1,240.84 | -1,292.31 | -1,094.72 | 10.00 | 8.28 | -10.98 |
| 6,300.00 | 44.11 | 107.95 | 5,862.52 | -959.52 | -1,263.82 | -1,232.96 | -1,032.62 | 10.00 | 8.92 | -7.11 |
| 6,400.00 | 53.35 | 102.84 | 5,928.44 | -1,025.44 | -1,283.51 | -1,160.56 | -958.11 | 10.00 | 9.24 | -5.10 |
| Sharon Springs | | | | | | | | | | |
| 6,454.54 | 58.46 | 100.57 | 5,959.00 | -1,056.00 | -1,292.64 | -1,116.35 | -913.04 | 10.00 | 9.38 | -4.18 |
| 6,500.00 | 62.76 | 98.85 | 5,981.31 | -1,078.31 | -1,299.31 | -1,077.32 | -873.44 | 10.00 | 9.45 | -3.77 |
| Niobrara Top | | | | | | | | | | |
| 6,538.93 | 66.45 | 97.49 | 5,998.00 | -1,095.00 | -1,304.30 | -1,042.51 | -838.28 | 10.00 | 9.49 | -3.51 |
| 6,600.00 | 72.27 | 95.49 | 6,019.52 | -1,116.52 | -1,310.73 | -985.75 | -781.20 | 10.00 | 9.52 | -3.27 |
| Niobrara A Chalk Target Top | | | | | | | | | | |
| 6,630.23 | 75.15 | 94.55 | 6,028.00 | -1,125.00 | -1,313.27 | -956.86 | -752.24 | 10.00 | 9.55 | -3.11 |
| 6,700.00 | 81.82 | 92.47 | 6,041.92 | -1,138.92 | -1,317.44 | -888.66 | -684.18 | 10.00 | 9.56 | -2.98 |
| LP *NEW*: 593ft FNL & 600ft FWL of Sec 6 - Niobrara A Chalk Target Center | | | | | | | | | | |
| 6,785.35 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.27 | -803.62 | -599.80 | 10.00 | 9.58 | -2.88 |
| 6,800.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.27 | -788.97 | -585.32 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.29 | -688.97 | -486.41 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.31 | -588.97 | -387.51 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.34 | -488.97 | -288.60 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.36 | -388.97 | -189.70 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.38 | -288.97 | -90.79 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.40 | -188.97 | 8.11 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.42 | -88.97 | 107.02 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.44 | 11.03 | 205.92 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.46 | 111.03 | 304.83 | 0.00 | 0.00 | 0.00 |

Planning Report



| | | | |
|------------------|---------------------------------|-------------------------------------|---|
| Database: | Database 1 | Local Co-ordinate Reference: | Well AF 1 |
| Company: | MALLARD EXPLORATION | TVD Reference: | KB 25' @ 4903.00usft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO (NAD 83) | MD Reference: | KB 25' @ 4903.00usft (Original Well Elev) |
| Site: | SE SW SEC. 31 T9N R59W 6th P.M. | North Reference: | True |
| Well: | AF 1 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIGINAL WELLBORE | | |
| Design: | PROPOSAL #2 | | |

| Planned Survey | | | | | | | | | | |
|----------------|------------|------------|---------------|--------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| MD (usft) | Inc (°) | Azi (°) | TVD (usft) | SS (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 7,800.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.48 | 211.03 | 403.73 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.50 | 311.03 | 502.64 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.52 | 411.03 | 601.54 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.54 | 511.03 | 700.45 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.57 | 611.03 | 799.35 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.59 | 711.03 | 898.26 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.61 | 811.03 | 997.16 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.63 | 911.03 | 1,096.07 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.65 | 1,011.03 | 1,194.97 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.67 | 1,111.03 | 1,293.88 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.69 | 1,211.03 | 1,392.78 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.71 | 1,311.03 | 1,491.69 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.73 | 1,411.03 | 1,590.59 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.75 | 1,511.03 | 1,689.49 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.77 | 1,611.03 | 1,788.40 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.80 | 1,711.03 | 1,887.30 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.82 | 1,811.03 | 1,986.21 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.84 | 1,911.03 | 2,085.11 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.86 | 2,011.03 | 2,184.02 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.88 | 2,111.03 | 2,282.92 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.90 | 2,211.03 | 2,381.83 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.92 | 2,311.03 | 2,480.73 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.94 | 2,411.03 | 2,579.64 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.96 | 2,511.03 | 2,678.54 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,319.98 | 2,611.03 | 2,777.45 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.00 | 2,711.03 | 2,876.35 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.03 | 2,811.03 | 2,975.26 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.05 | 2,911.03 | 3,074.16 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.07 | 3,011.03 | 3,173.07 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.09 | 3,111.03 | 3,271.97 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.11 | 3,211.03 | 3,370.88 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.13 | 3,311.03 | 3,469.78 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.15 | 3,411.03 | 3,568.69 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.17 | 3,511.03 | 3,667.59 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.19 | 3,611.03 | 3,766.50 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.21 | 3,711.03 | 3,865.40 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.23 | 3,811.03 | 3,964.31 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.26 | 3,911.03 | 4,063.21 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.28 | 4,011.03 | 4,162.11 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.30 | 4,111.03 | 4,261.02 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.32 | 4,211.03 | 4,359.92 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.34 | 4,311.03 | 4,458.83 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.36 | 4,411.03 | 4,557.73 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.38 | 4,511.03 | 4,656.64 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.40 | 4,611.03 | 4,755.54 | 0.00 | 0.00 | 0.00 |
| 12,300.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.42 | 4,711.03 | 4,854.45 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.44 | 4,811.03 | 4,953.35 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.46 | 4,911.03 | 5,052.26 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.49 | 5,011.03 | 5,151.16 | 0.00 | 0.00 | 0.00 |
| 12,700.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.51 | 5,111.03 | 5,250.07 | 0.00 | 0.00 | 0.00 |
| 12,800.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.53 | 5,211.03 | 5,348.97 | 0.00 | 0.00 | 0.00 |
| 12,900.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.55 | 5,311.03 | 5,447.88 | 0.00 | 0.00 | 0.00 |
| 13,000.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.57 | 5,411.03 | 5,546.78 | 0.00 | 0.00 | 0.00 |
| 13,100.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.59 | 5,511.03 | 5,645.69 | 0.00 | 0.00 | 0.00 |

Planning Report



| | | | |
|------------------|---------------------------------|-------------------------------------|---|
| Database: | Database 1 | Local Co-ordinate Reference: | Well AF 1 |
| Company: | MALLARD EXPLORATION | TVD Reference: | KB 25' @ 4903.00usft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO (NAD 83) | MD Reference: | KB 25' @ 4903.00usft (Original Well Elev) |
| Site: | SE SW SEC. 31 T9N R59W 6th P.M. | North Reference: | True |
| Well: | AF 1 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIGINAL WELLBORE | | |
| Design: | PROPOSAL #2 | | |

| Planned Survey | | | | | | | | | | |
|--|--------------|--------------|-----------------|------------------|------------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| MD (usft) | Inc (°) | Azi (°) | TVD (usft) | SS (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 13,200.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.61 | 5,611.03 | 5,744.59 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.63 | 5,711.03 | 5,843.50 | 0.00 | 0.00 | 0.00 |
| 13,400.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.65 | 5,811.03 | 5,942.40 | 0.00 | 0.00 | 0.00 |
| 13,500.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.67 | 5,911.03 | 6,041.31 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.69 | 6,011.03 | 6,140.21 | 0.00 | 0.00 | 0.00 |
| 13,700.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.71 | 6,111.03 | 6,239.12 | 0.00 | 0.00 | 0.00 |
| 13,800.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.74 | 6,211.03 | 6,338.02 | 0.00 | 0.00 | 0.00 |
| 13,900.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.76 | 6,311.03 | 6,436.92 | 0.00 | 0.00 | 0.00 |
| 14,000.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.78 | 6,411.03 | 6,535.83 | 0.00 | 0.00 | 0.00 |
| 14,100.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.80 | 6,511.03 | 6,634.73 | 0.00 | 0.00 | 0.00 |
| 14,200.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.82 | 6,611.03 | 6,733.64 | 0.00 | 0.00 | 0.00 |
| 14,300.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.84 | 6,711.03 | 6,832.54 | 0.00 | 0.00 | 0.00 |
| 14,400.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.86 | 6,811.03 | 6,931.45 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.88 | 6,911.03 | 7,030.35 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.90 | 7,011.03 | 7,129.26 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.92 | 7,111.03 | 7,228.16 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.94 | 7,211.03 | 7,327.07 | 0.00 | 0.00 | 0.00 |
| 14,900.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.97 | 7,311.03 | 7,425.97 | 0.00 | 0.00 | 0.00 |
| 15,000.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,320.99 | 7,411.03 | 7,524.88 | 0.00 | 0.00 | 0.00 |
| 15,100.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.01 | 7,511.03 | 7,623.78 | 0.00 | 0.00 | 0.00 |
| 15,200.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.03 | 7,611.03 | 7,722.69 | 0.00 | 0.00 | 0.00 |
| 15,300.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.05 | 7,711.03 | 7,821.59 | 0.00 | 0.00 | 0.00 |
| 15,400.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.07 | 7,811.03 | 7,920.50 | 0.00 | 0.00 | 0.00 |
| 15,500.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.09 | 7,911.03 | 8,019.40 | 0.00 | 0.00 | 0.00 |
| 15,600.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.11 | 8,011.03 | 8,118.31 | 0.00 | 0.00 | 0.00 |
| 15,700.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.13 | 8,111.03 | 8,217.21 | 0.00 | 0.00 | 0.00 |
| 15,800.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.15 | 8,211.03 | 8,316.12 | 0.00 | 0.00 | 0.00 |
| 15,900.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.17 | 8,311.03 | 8,415.02 | 0.00 | 0.00 | 0.00 |
| 16,000.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.20 | 8,411.03 | 8,513.93 | 0.00 | 0.00 | 0.00 |
| 16,100.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.22 | 8,511.03 | 8,612.83 | 0.00 | 0.00 | 0.00 |
| 16,200.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.24 | 8,611.03 | 8,711.74 | 0.00 | 0.00 | 0.00 |
| 16,300.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.26 | 8,711.03 | 8,810.64 | 0.00 | 0.00 | 0.00 |
| 16,400.00 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.28 | 8,811.03 | 8,909.54 | 0.00 | 0.00 | 0.00 |
| BHL: 592ft FNL & 300ft FEL of Sec 5 | | | | | | | | | | |
| 16,430.39 | 90.00 | 90.01 | 6,048.00 | -1,145.00 | -1,321.29 | 8,841.42 | 8,939.60 | 0.00 | 0.00 | 0.00 |

Planning Report



| | | | |
|------------------|---------------------------------|-------------------------------------|---|
| Database: | Database 1 | Local Co-ordinate Reference: | Well AF 1 |
| Company: | MALLARD EXPLORATION | TVD Reference: | KB 25' @ 4903.00usft (Original Well Elev) |
| Project: | WELD COUNTY, COLORADO (NAD 83) | MD Reference: | KB 25' @ 4903.00usft (Original Well Elev) |
| Site: | SE SW SEC. 31 T9N R59W 6th P.M. | North Reference: | True |
| Well: | AF 1 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | ORIGINAL WELLBORE | | |
| Design: | PROPOSAL #2 | | |

| Formations | | | | | | |
|--------------|---------------|--------------------------------|-----------|------------|-------------------------|--|
| MD (usft) | TVD (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 470.00 | 470.00 | Fox Hills Base | | | | |
| 1,488.09 | 1,487.00 | Pierre Shale Top | | | | |
| 3,451.30 | 3,290.00 | Richard Sandstone | | | | |
| 3,600.52 | 3,425.00 | Parkman Sandstone | | | | |
| 4,359.87 | 4,112.00 | Sussex Sandstone | | | | |
| 4,876.06 | 4,579.00 | Shannon Sandstone | | | | |
| 5,725.74 | 5,348.00 | TeePee Buttes | | | | |
| 6,454.54 | 5,959.00 | Sharon Springs | | | | |
| 6,538.93 | 5,998.00 | Niobrara Top | | | | |
| 6,630.23 | 6,028.00 | Niobrara A Chalk Target Top | | | | |
| 6,785.35 | 6,048.00 | Niobrara A Chalk Target Center | | | | |

| Plan Annotations | | | | |
|------------------|---------------|-------------------|-----------------|--|
| MD (usft) | TVD (usft) | Local Coordinates | | Comment |
| | | +N/-S (usft) | +E/-W (usft) | |
| 0.00 | 0.00 | 0.00 | 0.00 | SHL: 742ft FSL & 1913ft FWL of Sec 31 |
| 1,200.00 | 1,200.00 | 0.00 | 0.00 | START NUDGE (3°/100ft BUR) |
| 2,040.51 | 2,013.64 | -115.32 | -140.78 | EOB TO 25.22° INC |
| 5,692.96 | 5,318.06 | -1,101.30 | -1,344.53 | KOP (10°/100ft DGLG) |
| 6,785.35 | 6,048.00 | -1,319.27 | -803.62 | LP *NEW*: 593ft FNL & 600ft FWL of Sec 6 |
| 16,430.39 | 6,048.00 | -1,321.29 | 8,841.42 | BHL: 592ft FNL & 300ft FEL of Sec 5 |