

Project: COLORADO NORTHERN ZONE - 83
 Site: WELD_STREAR 18-10 PAD
 Well: STREAR 25-10
 Wellbore: OH
 Section: SECTION 10 T2N R67W
 SHL:
 Design: STREAR 25-10(wp01)
 Latitude: 40° 9' 19.544 N
 Longitude: 104° 52' 47.305 W
 GL: 4942.00
 KB: GL 4942' & KB 15' @ 4957.00ft (ASSUMED)

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|-----------|
| 4282.00 | 4400.47 | PARKMAN |
| 4437.00 | 4560.64 | SUSSEX |
| 7242.00 | 7409.70 | NIOBRARA |
| 7509.00 | 7676.70 | CODELL |
| 7589.00 | 7756.70 | GREENHORN |
| 7942.00 | 8109.70 | J-SAND |



Azimuths to Grid North
 True North: -0.40°
 Magnetic North: 8.54°
 Magnetic Field
 Strength: 53015.5nT
 Dip Angle: 66.84°
 Date: 03/16/2011
 Model: IGRF2010

WELL DETAILS: STREAR 25-10

| +N/-S | +E/-W | Northing | Easting | Ground Level: 4942.00 | Latitude | Longitude | Slot |
|-------|-------|------------|------------|-----------------------|-----------------|-------------------|------|
| 0.00 | 0.00 | 1300072.25 | 3173351.89 | | 40° 9' 19.544 N | 104° 52' 47.305 W | |

CASING DETAILS

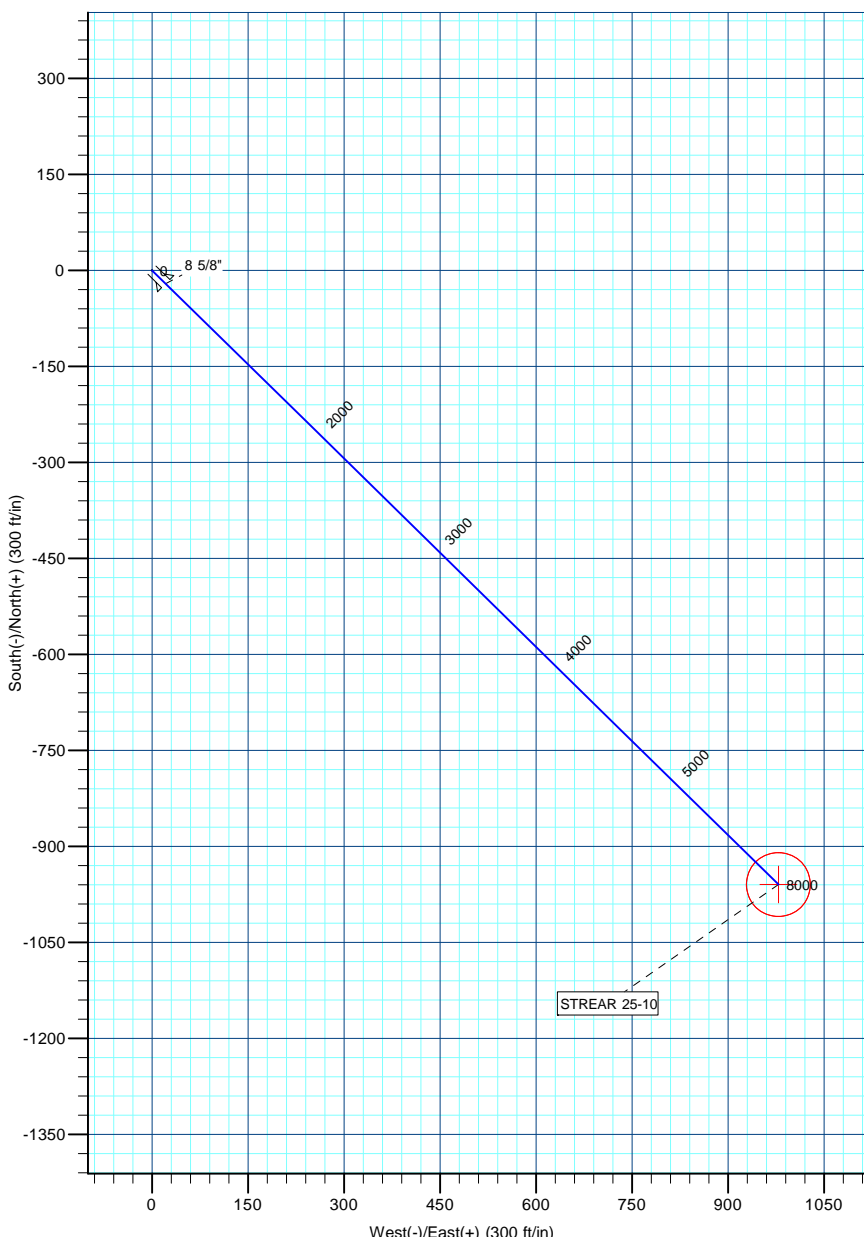
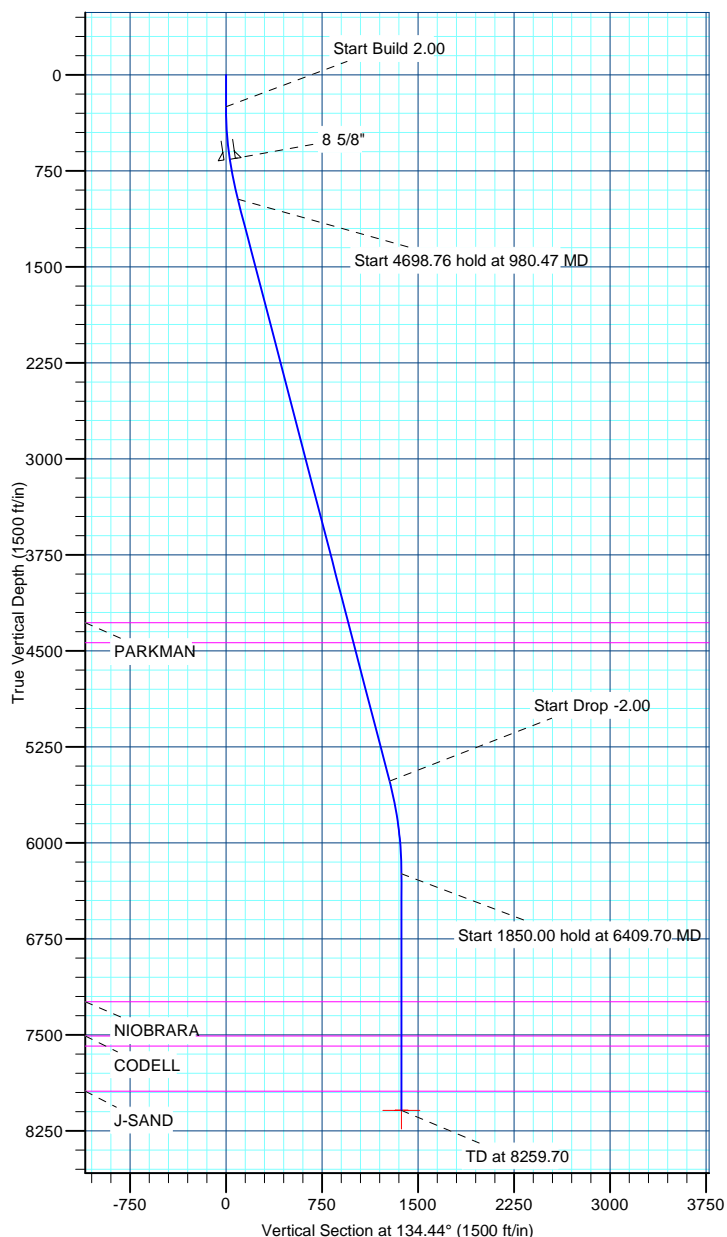
| TVD | MD | Name | Size |
|--------|--------|--------|-------|
| 660.00 | 661.41 | 8 5/8" | 8.625 |

DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|--------------|---------|---------|--------|------------|------------|----------------|-------------------|------------------------|
| STREAR 25-10 | 8092.00 | -959.59 | 978.37 | 1299112.67 | 3174330.26 | 40° 9' 9.994 N | 104° 52' 34.792 W | Circle (Radius: 50.00) |

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect |
|---------|-------|--------|---------|---------|--------|------|--------|---------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250.00 | 0.00 | 0.00 | 250.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 980.47 | 14.61 | 134.44 | 972.58 | -64.86 | 66.13 | 2.00 | 134.44 | 92.62 |
| 5679.23 | 14.61 | 134.44 | 5519.42 | -894.73 | 912.24 | 0.00 | 0.00 | 1277.78 |
| 6409.70 | 0.00 | 0.00 | 6242.00 | -959.59 | 978.37 | 2.00 | 180.00 | 1370.41 |
| 8259.70 | 0.00 | 0.00 | 8092.00 | -959.59 | 978.37 | 0.00 | 0.00 | 1370.41 |



US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_STREAR 18-10 PAD

STREAR 25-10

OH

Plan: STREAR 25-10(wp01)

Standard Planning Report

16 March, 2011

| | | | |
|------------------|-----------------------------|-------------------------------------|---|
| Database: | EDM5000-RobertS-Local | Local Co-ordinate Reference: | Well STREAR 25-10 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | GL 4942' & KB 15' @ 4957.00ft (ASSUMED) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | GL 4942' & KB 15' @ 4957.00ft (ASSUMED) |
| Site: | WELD_STREAR 18-10 PAD | North Reference: | Grid |
| Well: | STREAR 25-10 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | STREAR 25-10(wp01) | | |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | COLORADO NORTHERN ZONE - 83, KERR MCGEE OIL & GAS ONSHORE LP | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| | | | | | |
|-----------------------|----------|--|-------------------|-------------------|-------------------|
| Site | | WELD_STREAR 18-10 PAD, SECTION 10 T2N R67W | | | |
| Site Position: | | Northing: | 1,300,062.07 usft | Latitude: | 40° 9' 19.444 N |
| From: | Lat/Long | Easting: | 3,173,351.96 usft | Longitude: | 104° 52' 47.305 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13.200 in | Grid Convergence: | 0.40 ° |

| Well | STREAR 25-10 | | | | | |
|----------------------|--------------|----------|---------------------|-------------------|---------------|-------------------|
| Well Position | +N/-S | 10.19 ft | Northing: | 1,300,072.25 usft | Latitude: | 40° 9' 19.544 N |
| | +E/-W | -0.07 ft | Easting: | 3,173,351.89 usft | Longitude: | 104° 52' 47.305 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | | Ground Level: | 4,942.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 03/16/2011 | 8.94 | 66.84 | 53,015 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | STREAR 25-10(wp01) | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 134.44 |

| Plan Sections | | | | | | | | | | |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|--------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 250.00 | 0.00 | 0.00 | 250.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 980.47 | 14.61 | 134.44 | 972.58 | -64.86 | 66.13 | 2.00 | 2.00 | 0.00 | 134.44 | |
| 5,679.23 | 14.61 | 134.44 | 5,519.42 | -894.73 | 912.24 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,409.70 | 0.00 | 0.00 | 6,242.00 | -959.59 | 978.37 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 8,259.70 | 0.00 | 0.00 | 8,092.00 | -959.59 | 978.37 | 0.00 | 0.00 | 0.00 | 0.00 | STREAR 25-10 |

| | | | |
|------------------|-----------------------------|-------------------------------------|---|
| Database: | EDM5000-RobertS-Local | Local Co-ordinate Reference: | Well STREAR 25-10 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | GL 4942' & KB 15' @ 4957.00ft (ASSUMED) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | GL 4942' & KB 15' @ 4957.00ft (ASSUMED) |
| Site: | WELD_STREAR 18-10 PAD | North Reference: | Grid |
| Well: | STREAR 25-10 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | STREAR 25-10(wp01) | | |

| Planned Survey | | | | | | | | | |
|--|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 250.00 | 0.00 | 0.00 | 250.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start Build 2.00 | | | | | | | | | |
| 300.00 | 1.00 | 134.44 | 300.00 | -0.31 | 0.31 | 0.44 | 2.00 | 2.00 | 0.00 |
| 400.00 | 3.00 | 134.44 | 399.93 | -2.75 | 2.80 | 3.93 | 2.00 | 2.00 | 0.00 |
| 500.00 | 5.00 | 134.44 | 499.68 | -7.63 | 7.78 | 10.90 | 2.00 | 2.00 | 0.00 |
| 600.00 | 7.00 | 134.44 | 599.13 | -14.95 | 15.24 | 21.35 | 2.00 | 2.00 | 0.00 |
| 661.41 | 8.23 | 134.44 | 660.00 | -20.65 | 21.05 | 29.49 | 2.00 | 2.00 | 0.00 |
| 8 5/8" | | | | | | | | | |
| 700.00 | 9.00 | 134.44 | 698.15 | -24.70 | 25.18 | 35.27 | 2.00 | 2.00 | 0.00 |
| 800.00 | 11.00 | 134.44 | 796.63 | -36.86 | 37.58 | 52.63 | 2.00 | 2.00 | 0.00 |
| 900.00 | 13.00 | 134.44 | 894.44 | -51.41 | 52.42 | 73.42 | 2.00 | 2.00 | 0.00 |
| 980.47 | 14.61 | 134.44 | 972.58 | -64.86 | 66.13 | 92.62 | 2.00 | 2.00 | 0.00 |
| Start 4698.76 hold at 980.47 MD | | | | | | | | | |
| 1,000.00 | 14.61 | 134.44 | 991.48 | -68.31 | 69.64 | 97.55 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 14.61 | 134.44 | 1,088.25 | -85.97 | 87.65 | 122.77 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 14.61 | 134.44 | 1,185.01 | -103.63 | 105.66 | 148.00 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 14.61 | 134.44 | 1,281.78 | -121.29 | 123.67 | 173.22 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 14.61 | 134.44 | 1,378.55 | -138.95 | 141.67 | 198.44 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 14.61 | 134.44 | 1,475.31 | -156.61 | 159.68 | 223.66 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 14.61 | 134.44 | 1,572.08 | -174.28 | 177.69 | 248.89 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 14.61 | 134.44 | 1,668.85 | -191.94 | 195.69 | 274.11 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 14.61 | 134.44 | 1,765.61 | -209.60 | 213.70 | 299.33 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 14.61 | 134.44 | 1,862.38 | -227.26 | 231.71 | 324.56 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 14.61 | 134.44 | 1,959.15 | -244.92 | 249.72 | 349.78 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 14.61 | 134.44 | 2,055.91 | -262.58 | 267.72 | 375.00 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 14.61 | 134.44 | 2,152.68 | -280.25 | 285.73 | 400.22 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 14.61 | 134.44 | 2,249.45 | -297.91 | 303.74 | 425.45 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 14.61 | 134.44 | 2,346.21 | -315.57 | 321.74 | 450.67 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 14.61 | 134.44 | 2,442.98 | -333.23 | 339.75 | 475.89 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 14.61 | 134.44 | 2,539.75 | -350.89 | 357.76 | 501.12 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 14.61 | 134.44 | 2,636.51 | -368.55 | 375.77 | 526.34 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 14.61 | 134.44 | 2,733.28 | -386.21 | 393.77 | 551.56 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 14.61 | 134.44 | 2,830.05 | -403.88 | 411.78 | 576.78 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 14.61 | 134.44 | 2,926.81 | -421.54 | 429.79 | 602.01 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 14.61 | 134.44 | 3,023.58 | -439.20 | 447.80 | 627.23 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 14.61 | 134.44 | 3,120.35 | -456.86 | 465.80 | 652.45 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 14.61 | 134.44 | 3,217.12 | -474.52 | 483.81 | 677.67 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 14.61 | 134.44 | 3,313.88 | -492.18 | 501.82 | 702.90 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 14.61 | 134.44 | 3,410.65 | -509.84 | 519.82 | 728.12 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 14.61 | 134.44 | 3,507.42 | -527.51 | 537.83 | 753.34 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 14.61 | 134.44 | 3,604.18 | -545.17 | 555.84 | 778.57 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 14.61 | 134.44 | 3,700.95 | -562.83 | 573.85 | 803.79 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 14.61 | 134.44 | 3,797.72 | -580.49 | 591.85 | 829.01 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 14.61 | 134.44 | 3,894.48 | -598.15 | 609.86 | 854.23 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 14.61 | 134.44 | 3,991.25 | -615.81 | 627.87 | 879.46 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 14.61 | 134.44 | 4,088.02 | -633.48 | 645.87 | 904.68 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 14.61 | 134.44 | 4,184.78 | -651.14 | 663.88 | 929.90 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 14.61 | 134.44 | 4,281.55 | -668.80 | 681.89 | 955.12 | 0.00 | 0.00 | 0.00 |
| 4,400.47 | 14.61 | 134.44 | 4,282.00 | -668.88 | 681.97 | 955.24 | 0.00 | 0.00 | 0.00 |
| PARKMAN | | | | | | | | | |
| 4,500.00 | 14.61 | 134.44 | 4,378.32 | -686.46 | 699.90 | 980.35 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-----------------------------|-------------------------------------|---|
| Database: | EDM5000-RobertS-Local | Local Co-ordinate Reference: | Well STREAR 25-10 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | GL 4942' & KB 15' @ 4957.00ft (ASSUMED) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | GL 4942' & KB 15' @ 4957.00ft (ASSUMED) |
| Site: | WELD_STREAR 18-10 PAD | North Reference: | Grid |
| Well: | STREAR 25-10 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | STREAR 25-10(wp01) | | |

| Planned Survey | | | | | | | | | |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 4,560.64 | 14.61 | 134.44 | 4,437.00 | -697.17 | 710.82 | 995.64 | 0.00 | 0.00 | 0.00 |
| SUSSEX | | | | | | | | | |
| 4,600.00 | 14.61 | 134.44 | 4,475.08 | -704.12 | 717.90 | 1,005.57 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 14.61 | 134.44 | 4,571.85 | -721.78 | 735.91 | 1,030.79 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 14.61 | 134.44 | 4,668.62 | -739.44 | 753.92 | 1,056.02 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 14.61 | 134.44 | 4,765.38 | -757.11 | 771.92 | 1,081.24 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 14.61 | 134.44 | 4,862.15 | -774.77 | 789.93 | 1,106.46 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 14.61 | 134.44 | 4,958.92 | -792.43 | 807.94 | 1,131.68 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 14.61 | 134.44 | 5,055.68 | -810.09 | 825.95 | 1,156.91 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 14.61 | 134.44 | 5,152.45 | -827.75 | 843.95 | 1,182.13 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 14.61 | 134.44 | 5,249.22 | -845.41 | 861.96 | 1,207.35 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 14.61 | 134.44 | 5,345.98 | -863.08 | 879.97 | 1,232.58 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 14.61 | 134.44 | 5,442.75 | -880.74 | 897.98 | 1,257.80 | 0.00 | 0.00 | 0.00 |
| 5,679.23 | 14.61 | 134.44 | 5,519.42 | -894.73 | 912.24 | 1,277.78 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 5,700.00 | 14.19 | 134.44 | 5,539.54 | -898.35 | 915.93 | 1,282.95 | 2.00 | -2.00 | 0.00 |
| 5,800.00 | 12.19 | 134.44 | 5,636.89 | -914.33 | 932.22 | 1,305.77 | 2.00 | -2.00 | 0.00 |
| 5,900.00 | 10.19 | 134.44 | 5,734.98 | -927.92 | 946.08 | 1,325.18 | 2.00 | -2.00 | 0.00 |
| 6,000.00 | 8.19 | 134.44 | 5,833.70 | -939.11 | 957.49 | 1,341.16 | 2.00 | -2.00 | 0.00 |
| 6,100.00 | 6.19 | 134.44 | 5,932.90 | -947.88 | 966.43 | 1,353.68 | 2.00 | -2.00 | 0.00 |
| 6,200.00 | 4.19 | 134.44 | 6,032.49 | -954.22 | 972.89 | 1,362.74 | 2.00 | -2.00 | 0.00 |
| 6,300.00 | 2.19 | 134.44 | 6,132.33 | -958.12 | 976.87 | 1,368.31 | 2.00 | -2.00 | 0.00 |
| 6,400.00 | 0.19 | 134.44 | 6,232.30 | -959.58 | 978.36 | 1,370.39 | 2.00 | -2.00 | 0.00 |
| 6,409.70 | 0.00 | 0.00 | 6,242.00 | -959.59 | 978.37 | 1,370.41 | 2.00 | -2.00 | -1,386.03 |
| Start 1850.00 hold at 6409.70 MD | | | | | | | | | |
| 6,500.00 | 0.00 | 0.00 | 6,332.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 0.00 | 0.00 | 6,432.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.00 | 0.00 | 6,532.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 0.00 | 0.00 | 6,632.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 0.00 | 0.00 | 6,732.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.00 | 0.00 | 6,832.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 6,932.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 0.00 | 0.00 | 7,032.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.00 | 0.00 | 7,132.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.00 | 0.00 | 7,232.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 7,409.70 | 0.00 | 0.00 | 7,242.00 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| NIORARA | | | | | | | | | |
| 7,500.00 | 0.00 | 0.00 | 7,332.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 0.00 | 0.00 | 7,432.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 7,676.70 | 0.00 | 0.00 | 7,509.00 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| CODELL | | | | | | | | | |
| 7,700.00 | 0.00 | 0.00 | 7,532.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 7,756.70 | 0.00 | 0.00 | 7,589.00 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| GREENHORN | | | | | | | | | |
| 7,800.00 | 0.00 | 0.00 | 7,632.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 0.00 | 0.00 | 7,732.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 0.00 | 0.00 | 7,832.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 7,932.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 8,109.70 | 0.00 | 0.00 | 7,942.00 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| J-SAND | | | | | | | | | |
| 8,200.00 | 0.00 | 0.00 | 8,032.30 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| 8,259.70 | 0.00 | 0.00 | 8,092.00 | -959.59 | 978.37 | 1,370.41 | 0.00 | 0.00 | 0.00 |
| STREAR 25-10 | | | | | | | | | |

| | | | |
|------------------|-----------------------------|-------------------------------------|---|
| Database: | EDM5000-RobertS-Local | Local Co-ordinate Reference: | Well STREAR 25-10 |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | GL 4942' & KB 15' @ 4957.00ft (ASSUMED) |
| Project: | COLORADO NORTHERN ZONE - 83 | MD Reference: | GL 4942' & KB 15' @ 4957.00ft (ASSUMED) |
| Site: | WELD_STREAR 18-10 PAD | North Reference: | Grid |
| Well: | STREAR 25-10 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | STREAR 25-10(wp01) | | |

| Planned Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |

| Design Targets | | | | | | | | | |
|---------------------------|---------------|--------------|----------|------------|------------|-----------------|----------------|----------------|-------------------|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| STREAR 25-10 | 0.00 | 0.00 | 8,092.00 | -959.59 | 978.37 | 1,299,112.67 | 3,174,330.26 | 40° 9' 9.994 N | 104° 52' 34.792 W |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |

| Casing Points | | | | | |
|---------------------|---------------------|--------|----------------------|--------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (in) | Hole Diameter (in) | |
| 661.41 | 660.00 | 8 5/8" | 8.625 | 11.000 | |

| Formations | | | | | | |
|---------------------|---------------------|-----------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 4,400.47 | 4,282.00 | PARKMAN | | | | |
| 4,560.64 | 4,437.00 | SUSSEX | | | | |
| 7,409.70 | 7,242.00 | NIOBRARA | | | | |
| 7,676.70 | 7,509.00 | CODELL | | | | |
| 7,756.70 | 7,589.00 | GREENHORN | | | | |
| 8,109.70 | 7,942.00 | J-SAND | | | | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|----------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment | |
| | | +N/-S (ft) | +E/-W (ft) | | |
| 250.00 | 250.00 | 0.00 | 0.00 | Start Build 2.00 | |
| 980.47 | 972.58 | -64.86 | 66.13 | Start 4698.76 hold at 980.47 MD | |
| 5,679.23 | 5,519.42 | -894.73 | 912.24 | Start Drop -2.00 | |
| 6,409.70 | 6,242.00 | -959.59 | 978.37 | Start 1850.00 hold at 6409.70 MD | |
| 8,259.70 | 8,092.00 | -959.59 | 978.37 | TD at 8259.70 | |