



Survey Certification

7327 West Barton Road
Casper, WY 82604
(307)-472-6621 Fax (307) 472-5439

| | |
|-----------------|------------------------|
| Operator | TEP Rocky Mountain LLC |
| Well Name & No. | SG 13-22 |
| API # | 05-045-24014 |
| County & State | Garfield County, CO |
| SDI Job # | OP.024718 |
| Rig | H&P 318 |
| Survey Date | 8-Apr-2020 |

I, Seth M. Burstad, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 0 feet to a measured depth of 6150 feet is true and correct as determined from all available records.

Seth M. Burstad

Signature

8-Apr-2020

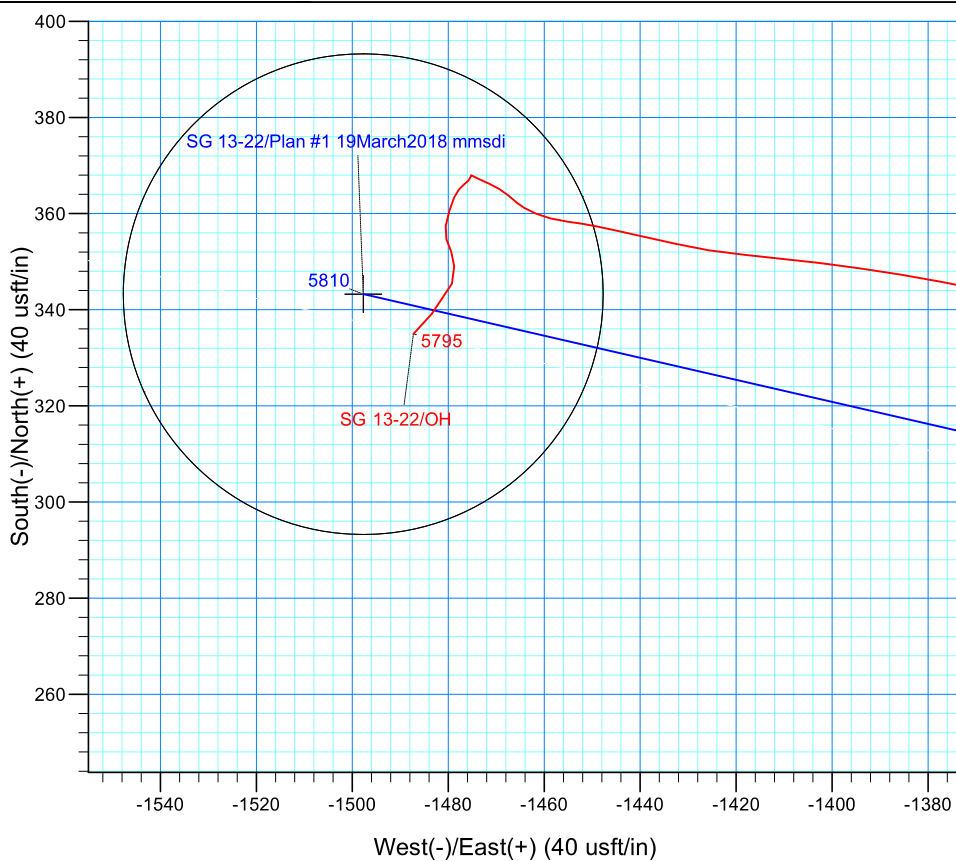
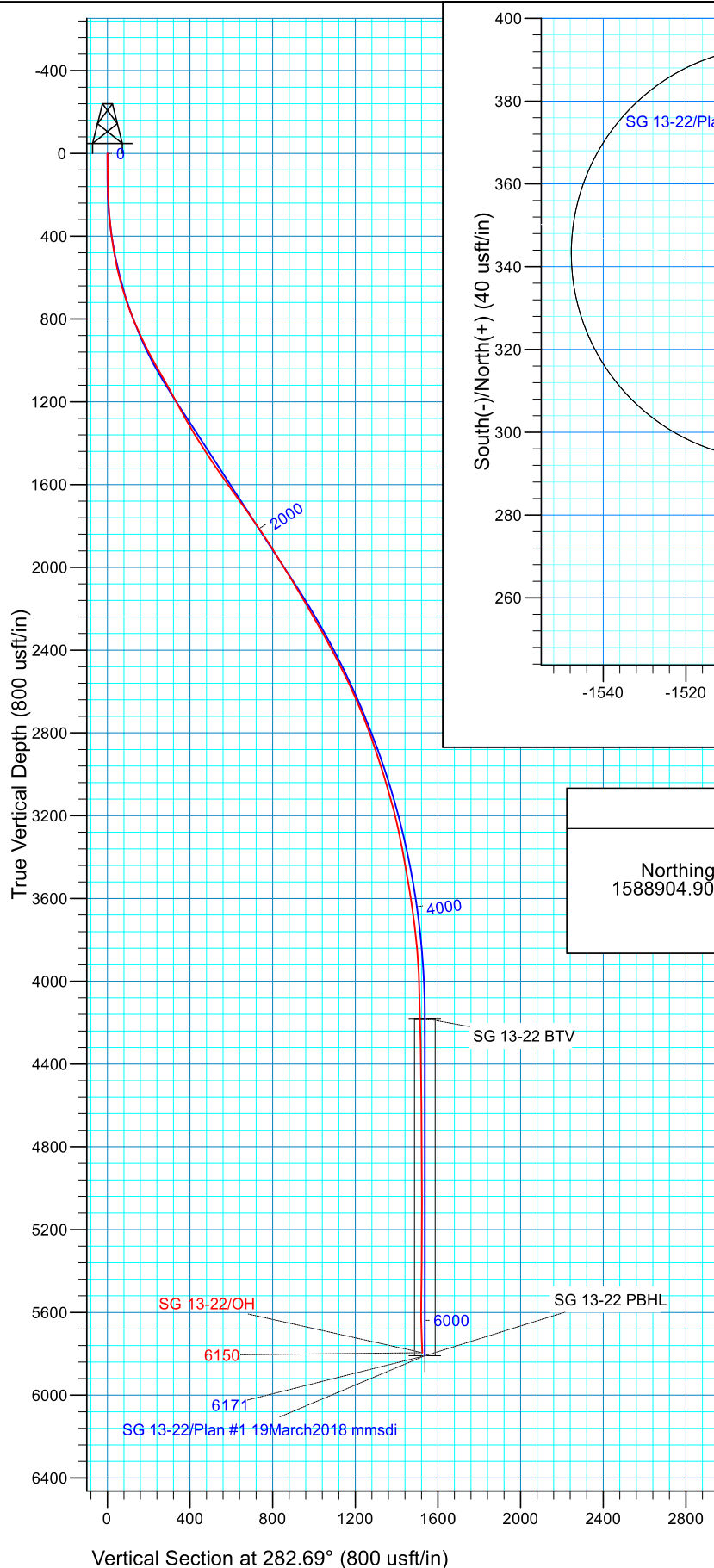
Date

Seth M. Burstad

Rockies Region Well Planner
Scientific Drilling - Rocky Mountain District



Project: Garfield County, CO NAD83
Site: SG 23-22 Pad
Well: SG 13-22
Wellbore: OH
Design: OH



WELL DETAILS: SG 13-22

GL 5665' & RKB 24' @ 5689.00usft5665.00
Northing Easting Latitude Longitude
1588904.9000 2265662.5000 39.4214602 -108.0997858

PROJECT DETAILS: Garfield County, CO NAD83

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

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well SG 13-22 - Slot SG 13-22 (A8), True North
Vertical (TVD) Reference: GL 5665' & RKB 24' @ 5689.00usft
Section (VS) Reference: Slot - SG 13-22 (A8)(0.00N, 0.00E)
Measured Depth Reference: GL 5665' & RKB 24' @ 5689.00usft
Calculation Method: Minimum Curvature
Local North: True
Location:

TEP Rocky Mountain LLC

**Garfield County, CO NAD83
SG 23-22 Pad
SG 13-22 - Slot SG 13-22 (A8)**

OH

Design: OH

Standard Survey Report

08 April, 2020



Scientific Drilling, Intl

Survey Report

| | | | |
|------------------|---------------------------|-------------------------------------|------------------------------------|
| Company: | TEP Rocky Mountain LLC | Local Co-ordinate Reference: | Well SG 13-22 - Slot SG 13-22 (A8) |
| Project: | Garfield County, CO NAD83 | TVD Reference: | GL 5665' & RKB 24' @ 5689.00usft |
| Site: | SG 23-22 Pad | MD Reference: | GL 5665' & RKB 24' @ 5689.00usft |
| Well: | SG 13-22 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Grand Junction |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | Garfield County, CO NAD83 | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | |

| | | | | | |
|-----------------------|-----------|--------------|---------------------|-------------------|--------------|
| Site | | SG 23-22 Pad | | | |
| Site Position: | | Northing: | 1,588,957.4000 usft | Latitude: | 39.4216042 |
| From: | Map | Easting: | 2,265,662.2000 usft | Longitude: | -108.0997922 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13.20 in | Grid Convergence: | -1.64 ° |

| Well | SG 13-22 - Slot SG 13-22 (A8) | | | | | |
|----------------------|-------------------------------|-----------|---------------------|---------------------|---------------|---------------|
| Well Position | +N/-S | 0.00 usft | Northing: | 1,588,904.9000 usft | Latitude: | 39.4214602 |
| | +E/-W | 0.00 usft | Easting: | 2,265,662.5000 usft | Longitude: | -108.0997858 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | 0.00 usft | Ground Level: | 5,665.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM_FILE | 4/5/2020 | 9.27 | 65.55 | 51,513.20000000 |

| | | | | | |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| Design | OH | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 282.69 | |

| | | | | | |
|-----------------------|------------------|-----------------------------|------------------|--------------------|--|
| Survey Program | Date | 4/8/2020 | | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description | |
| 194.00 | 992.00 | Survey #1 - Surface (OH) | MWD+HDGM | OWSG MWD + HDGM | |
| 1,072.00 | 6,150.00 | Survey #2 - Production (OH) | MWD+HDGM | OWSG MWD + HDGM | |

| | | | | | | | | | | |
|-------------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| Survey | | | | | | | | | | |
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 194.00 | 2.65 | 247.97 | 193.93 | -1.68 | -4.16 | 3.69 | 1.37 | 1.37 | 0.00 | |
| First SDI MWD Surface Survey | | | | | | | | | | |
| 285.00 | 4.34 | 267.23 | 284.76 | -2.64 | -9.55 | 8.73 | 2.24 | 1.86 | 21.16 | |
| 376.00 | 6.79 | 285.62 | 375.33 | -1.36 | -18.17 | 17.43 | 3.30 | 2.69 | 20.21 | |
| 467.00 | 9.82 | 293.67 | 465.37 | 3.21 | -30.46 | 30.42 | 3.56 | 3.33 | 8.85 | |
| 557.00 | 12.69 | 291.93 | 553.63 | 9.98 | -46.66 | 47.72 | 3.21 | 3.19 | -1.93 | |
| 648.00 | 15.80 | 288.50 | 641.82 | 17.65 | -67.69 | 69.91 | 3.54 | 3.42 | -3.77 | |
| 742.00 | 19.59 | 284.31 | 731.36 | 25.61 | -95.11 | 98.41 | 4.25 | 4.03 | -4.46 | |
| 837.00 | 23.01 | 283.79 | 819.86 | 33.97 | -128.58 | 132.90 | 3.61 | 3.60 | -0.55 | |

Scientific Drilling, Intl

Survey Report

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|------------------|---------------------------|-------------------------------------|------------------------------------|
| Company: | TEP Rocky Mountain LLC | Local Co-ordinate Reference: | Well SG 13-22 - Slot SG 13-22 (A8) |
| Project: | Garfield County, CO NAD83 | TVD Reference: | GL 5665' & RKB 24' @ 5689.00usft |
| Site: | SG 23-22 Pad | MD Reference: | GL 5665' & RKB 24' @ 5689.00usft |
| Well: | SG 13-22 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Grand Junction |

| Survey | | | | | | | | | |
|----------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 931.00 | 26.22 | 284.22 | 905.31 | 43.46 | -166.56 | 172.04 | 3.42 | 3.41 | 0.46 |
| 992.00 | 27.76 | 283.41 | 959.66 | 50.06 | -193.45 | 199.72 | 2.60 | 2.52 | -1.33 |
| Last SDI MWD Surface Survey | | | | | | | | | |
| 1,072.00 | 29.75 | 282.23 | 1,029.79 | 58.59 | -230.97 | 238.20 | 2.59 | 2.49 | -1.48 |
| First SDI MWD Production Survey | | | | | | | | | |
| 1,167.00 | 29.16 | 280.85 | 1,112.52 | 67.94 | -276.74 | 284.90 | 0.95 | -0.62 | -1.45 |
| 1,261.00 | 28.93 | 282.49 | 1,194.70 | 77.17 | -321.43 | 330.53 | 0.88 | -0.24 | 1.74 |
| 1,356.00 | 28.76 | 282.38 | 1,277.91 | 87.03 | -366.18 | 376.36 | 0.19 | -0.18 | -0.12 |
| 1,450.00 | 31.51 | 286.10 | 1,359.20 | 98.70 | -411.89 | 423.51 | 3.54 | 2.93 | 3.96 |
| 1,545.00 | 32.66 | 286.21 | 1,439.69 | 112.74 | -460.35 | 473.88 | 1.21 | 1.21 | 0.12 |
| 1,639.00 | 34.41 | 284.65 | 1,518.04 | 126.54 | -510.41 | 525.74 | 2.08 | 1.86 | -1.66 |
| 1,733.00 | 35.79 | 284.36 | 1,594.95 | 140.07 | -562.74 | 579.76 | 1.48 | 1.47 | -0.31 |
| 1,827.00 | 35.85 | 284.38 | 1,671.17 | 153.73 | -616.03 | 634.75 | 0.07 | 0.06 | 0.02 |
| 1,922.00 | 35.08 | 283.68 | 1,748.54 | 167.09 | -669.50 | 689.86 | 0.92 | -0.81 | -0.74 |
| 2,016.00 | 34.16 | 281.56 | 1,825.90 | 178.77 | -721.61 | 743.25 | 1.61 | -0.98 | -2.26 |
| 2,110.00 | 32.33 | 279.28 | 1,904.52 | 188.11 | -772.27 | 794.73 | 2.36 | -1.95 | -2.43 |
| 2,205.00 | 32.00 | 281.13 | 1,984.94 | 197.07 | -822.04 | 845.26 | 1.09 | -0.35 | 1.95 |
| 2,299.00 | 31.20 | 282.31 | 2,065.00 | 207.07 | -870.27 | 894.50 | 1.08 | -0.85 | 1.26 |
| 2,393.00 | 30.85 | 284.73 | 2,145.56 | 218.39 | -917.37 | 942.94 | 1.38 | -0.37 | 2.57 |
| 2,487.00 | 30.24 | 283.85 | 2,226.51 | 230.18 | -963.66 | 990.69 | 0.80 | -0.65 | -0.94 |
| 2,582.00 | 29.28 | 283.57 | 2,308.98 | 241.36 | -1,009.47 | 1,037.83 | 1.02 | -1.01 | -0.29 |
| 2,677.00 | 28.27 | 283.84 | 2,392.25 | 252.19 | -1,053.90 | 1,083.56 | 1.07 | -1.06 | 0.28 |
| 2,771.00 | 27.08 | 284.82 | 2,475.49 | 262.99 | -1,096.20 | 1,127.20 | 1.36 | -1.27 | 1.04 |
| 2,866.00 | 25.31 | 287.66 | 2,560.74 | 274.68 | -1,136.46 | 1,169.04 | 2.28 | -1.86 | 2.99 |
| 2,960.00 | 23.63 | 288.15 | 2,646.29 | 286.65 | -1,173.51 | 1,207.81 | 1.80 | -1.79 | 0.52 |
| 3,054.00 | 21.70 | 289.26 | 2,733.03 | 298.25 | -1,207.82 | 1,243.84 | 2.10 | -2.05 | 1.18 |
| 3,149.00 | 19.46 | 287.78 | 2,821.96 | 308.88 | -1,239.47 | 1,277.05 | 2.42 | -2.36 | -1.56 |
| 3,243.00 | 18.50 | 287.21 | 2,910.85 | 318.07 | -1,268.63 | 1,307.51 | 1.04 | -1.02 | -0.61 |
| 3,337.00 | 17.11 | 285.31 | 3,000.35 | 326.13 | -1,296.21 | 1,336.20 | 1.60 | -1.48 | -2.02 |
| 3,432.00 | 16.29 | 284.45 | 3,091.34 | 333.15 | -1,322.59 | 1,363.47 | 0.90 | -0.86 | -0.91 |
| 3,526.00 | 14.46 | 283.83 | 3,181.97 | 339.24 | -1,346.76 | 1,388.39 | 1.95 | -1.95 | -0.66 |
| 3,621.00 | 11.78 | 281.35 | 3,274.48 | 343.99 | -1,367.79 | 1,409.95 | 2.88 | -2.82 | -2.61 |
| 3,715.00 | 10.75 | 279.52 | 3,366.67 | 347.33 | -1,385.84 | 1,428.29 | 1.16 | -1.10 | -1.95 |
| 3,810.00 | 9.88 | 276.74 | 3,460.13 | 349.75 | -1,402.67 | 1,445.24 | 1.05 | -0.92 | -2.93 |
| 3,904.00 | 9.34 | 275.63 | 3,552.82 | 351.44 | -1,418.27 | 1,460.84 | 0.61 | -0.57 | -1.18 |
| 3,999.00 | 8.34 | 282.85 | 3,646.69 | 353.73 | -1,432.66 | 1,475.38 | 1.57 | -1.05 | 7.60 |
| 4,093.00 | 7.41 | 282.45 | 3,739.80 | 356.56 | -1,445.23 | 1,488.26 | 0.99 | -0.99 | -0.43 |
| 4,187.00 | 4.91 | 277.04 | 3,833.25 | 358.36 | -1,455.14 | 1,498.32 | 2.73 | -2.66 | -5.76 |
| 4,281.00 | 3.53 | 294.09 | 3,927.00 | 360.03 | -1,461.78 | 1,505.16 | 1.97 | -1.47 | 18.14 |
| 4,376.00 | 1.76 | 310.33 | 4,021.89 | 362.17 | -1,465.56 | 1,509.32 | 2.01 | -1.86 | 17.09 |
| 4,470.00 | 1.28 | 311.40 | 4,115.86 | 363.80 | -1,467.45 | 1,511.52 | 0.51 | -0.51 | 1.14 |
| 4,565.00 | 1.52 | 300.87 | 4,210.83 | 365.15 | -1,469.33 | 1,513.65 | 0.37 | 0.25 | -11.08 |
| 4,659.00 | 1.48 | 293.31 | 4,304.80 | 366.27 | -1,471.51 | 1,516.03 | 0.21 | -0.04 | -8.04 |

Scientific Drilling, Intl

Survey Report

| | | | |
|------------------|---------------------------|-------------------------------------|------------------------------------|
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| Project: | Garfield County, CO NAD83 | TVD Reference: | GL 5665' & RKB 24' @ 5689.00usft |
| Site: | SG 23-22 Pad | MD Reference: | GL 5665' & RKB 24' @ 5689.00usft |
| Well: | SG 13-22 | North Reference: | True |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | Grand Junction |

| Survey | | | | | | | | | | |
|--------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 4,754.00 | 1.26 | 293.61 | 4,399.77 | 367.17 | -1,473.59 | 1,518.26 | 0.23 | -0.23 | 0.32 | |
| 4,848.00 | 0.50 | 307.33 | 4,493.76 | 367.83 | -1,474.87 | 1,519.65 | 0.83 | -0.81 | 14.60 | |
| 4,942.00 | 0.15 | 200.74 | 4,587.76 | 367.97 | -1,475.24 | 1,520.04 | 0.60 | -0.37 | -113.39 | |
| 5,037.00 | 0.44 | 204.05 | 4,682.76 | 367.52 | -1,475.43 | 1,520.13 | 0.31 | 0.31 | 3.48 | |
| 5,131.00 | 0.57 | 216.31 | 4,776.76 | 366.81 | -1,475.85 | 1,520.38 | 0.18 | 0.14 | 13.04 | |
| 5,226.00 | 0.83 | 235.99 | 4,871.75 | 366.04 | -1,476.70 | 1,521.05 | 0.37 | 0.27 | 20.72 | |
| 5,320.00 | 0.85 | 218.19 | 4,965.74 | 365.12 | -1,477.70 | 1,521.81 | 0.28 | 0.02 | -18.94 | |
| 5,415.00 | 1.51 | 206.76 | 5,060.72 | 363.44 | -1,478.70 | 1,522.42 | 0.73 | 0.69 | -12.03 | |
| 5,509.00 | 2.09 | 195.05 | 5,154.67 | 360.68 | -1,479.70 | 1,522.79 | 0.73 | 0.62 | -12.46 | |
| 5,603.00 | 1.95 | 192.52 | 5,248.61 | 357.47 | -1,480.49 | 1,522.86 | 0.18 | -0.15 | -2.69 | |
| 5,698.00 | 1.52 | 159.17 | 5,343.57 | 354.71 | -1,480.40 | 1,522.16 | 1.13 | -0.45 | -35.11 | |
| 5,792.00 | 1.86 | 158.39 | 5,437.53 | 352.13 | -1,479.39 | 1,520.61 | 0.36 | 0.36 | -0.83 | |
| 5,887.00 | 1.95 | 177.22 | 5,532.48 | 349.08 | -1,478.74 | 1,519.31 | 0.66 | 0.09 | 19.82 | |
| 5,980.00 | 2.61 | 195.10 | 5,625.41 | 345.45 | -1,479.22 | 1,518.97 | 1.04 | 0.71 | 19.23 | |
| 6,090.00 | 5.45 | 222.58 | 5,735.13 | 339.19 | -1,483.41 | 1,521.68 | 3.05 | 2.58 | 24.98 | |
| Last SDI MWD Production Survey | | | | | | | | | | |
| 6,150.00 | 5.45 | 222.58 | 5,794.86 | 334.99 | -1,487.26 | 1,524.52 | 0.00 | 0.00 | 0.00 | |
| Projection to TD | | | | | | | | | | |

| Design Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|---------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | | |
| | | +N/-S (usft) | +E/-W (usft) | Comment | |
| 194.00 | 193.93 | -1.68 | -4.16 | First SDI MWD Surface Survey | |
| 992.00 | 959.66 | 50.06 | -193.45 | Last SDI MWD Surface Survey | |
| 1,072.00 | 1,029.79 | 58.59 | -230.97 | First SDI MWD Production Survey | |
| 6,090.00 | 5,735.13 | 339.19 | -1,483.41 | Last SDI MWD Production Survey | |
| 6,150.00 | 5,794.86 | 334.99 | -1,487.26 | Projection to TD | |

| | | |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|