

PROJECT DETAILS: Garfield County, CO (Nad 83)

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

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well SR 423-13 - Slot (B04) SR 423-13, True North
 Vertical (TVD) Reference: KB=30' @ 8037.00usft (H&P #329)
 Section (VS) Reference: Slot - (B04) SR 423-13(0.00N, 0.00E)
 Measured Depth Reference: KB=30' @ 8037.00usft (H&P #329)
 Calculation Method: Minimum Curvature

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|------------------|----------|--------|----------|------------|------------|-----------|-------------|------------------------|
| SR 423-13 - VP | 7081.00 | 624.82 | -2449.22 | 1592663.60 | 2339765.00 | 39.437304 | -107.837904 | Circle (Radius: 50.00) |
| SR 423-13 - PBHL | 10341.00 | 624.82 | -2449.22 | 1592663.60 | 2339765.00 | 39.437304 | -107.837904 | Point |

ANNOTATIONS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Vsect | Departure | Annotation |
|----------|-------|--------|----------|--------|----------|---------|-----------|----------------------------------|
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | Start Build 3.00 |
| 366.67 | 5.00 | 305.00 | 366.46 | 4.17 | -5.95 | 6.80 | 7.27 | Start DLS 3.00 TFO -25.96 |
| 1017.53 | 24.12 | 284.02 | 993.76 | 53.13 | -159.69 | 167.87 | 169.05 | Start 4959.39 hold at 1017.53 MD |
| 5976.92 | 24.12 | 284.02 | 5520.26 | 544.04 | -2125.74 | 2194.26 | 2195.46 | Start Drop -1.50 |
| 7584.72 | 0.00 | 0.00 | 7081.00 | 624.82 | -2449.22 | 2527.66 | 2528.88 | Start 3260.00 hold at 7584.72 MD |
| 10844.72 | 0.00 | 0.00 | 10341.00 | 624.82 | -2449.22 | 2527.66 | 2528.88 | TD at 10844.72 |

WELL DETAILS: SR 423-13

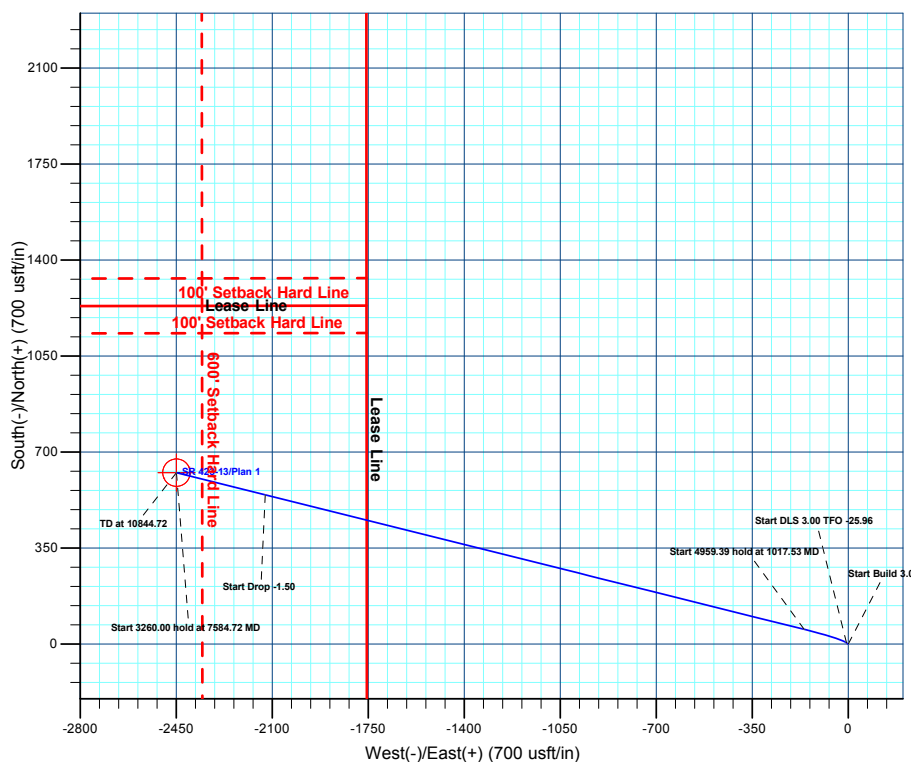
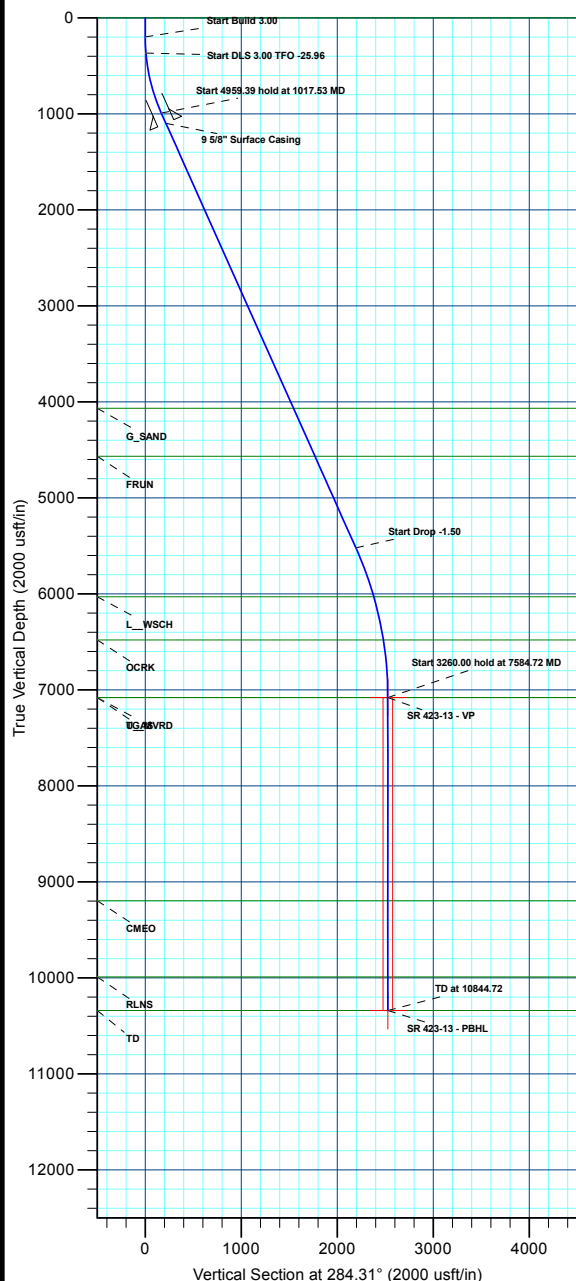
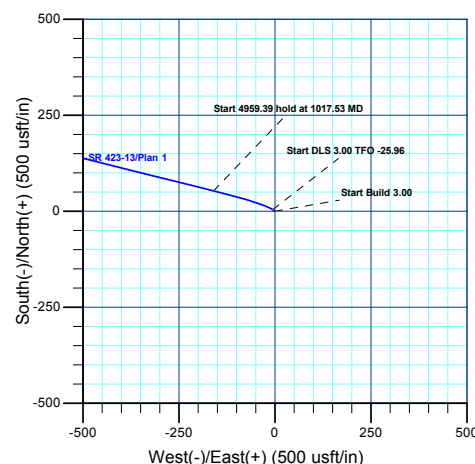
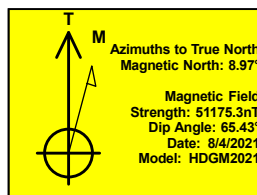
| +N/-S | +E/-W | Northing | Ground Elev: | 8007.00 | Latitude | Longitude | Slot |
|-------|-------|------------|--------------|------------|-----------|-------------|-----------------|
| 0.00 | 0.00 | 1591976.20 | Easting | 2342197.40 | 39.435589 | -107.829233 | (B04) SR 423-13 |

CASING DETAILS

| TVD | MD | Name | Size |
|---------|---------|-----------------------|-------|
| 1100.00 | 1133.93 | 9 5/8" Surface Casing | 9-5/8 |

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|----------|----------|-----------|
| 0.00 | 0.00 | U_WSCH |
| 4066.00 | 4383.59 | G_SAND |
| 4566.00 | 4931.40 | FRUN |
| 6031.00 | 6521.03 | L_WSCH |
| 6481.00 | 6982.23 | OCRK |
| 7081.00 | 7584.72 | TGAS |
| 7081.00 | 7584.72 | U_MVRD |
| 9197.00 | 9700.72 | CMEO |
| 9991.00 | 10494.72 | RLNS |
| 10341.00 | 10844.72 | TD |



Plan: Plan 1 (SR 423-13/Wellbore #1)

Created By: Chase Chambers Date: 12:33, April 19 2022



Terra Energy Partners, LLP

Garfield County, CO (Nad 83)

S. Leverich 13-09 Pad

SR 423-13 - Slot (B04) SR 423-13

Wellbore #1

Plan: Plan 1

KLX Well Planning Report

14 February, 2022



| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well SR 423-13 - Slot (B04) SR 423-13 |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 8037.00usft (H&P #329) |
| Project: | Garfield County, CO (Nad 83) | MD Reference: | KB=30' @ 8037.00usft (H&P #329) |
| Site: | S. Leverich 13-09 Pad | North Reference: | True |
| Well: | SR 423-13 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan 1 | | |

| | | | |
|--------------------|------------------------------|----------------------|----------------|
| Project | Garfield County, CO (Nad 83) | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Central Zone | | |

| | | | | | |
|-----------------------|-----------|-----------------------|-------------------|-------------------|-------------|
| Site | | S. Leverich 13-09 Pad | | | |
| Site Position: | | Northing: | 1,591,962.80 usft | Latitude: | 39.435551 |
| From: | Map | Easting: | 2,342,185.30 usft | Longitude: | -107.829274 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | -1.47 ° |

| | | | | | | |
|----------------------|----------------------------------|------------|---------------------|-------------------|---------------|---------------|
| Well | SR 423-13 - Slot (B04) SR 423-13 | | | | | |
| Well Position | +N/-S | 13.71 usft | Northing: | 1,591,976.20 usft | Latitude: | 39.435589 |
| | +E/-W | 11.75 usft | Easting: | 2,342,197.40 usft | Longitude: | -107.829233 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | | Ground Level: | 8,007.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM2021 | 8/4/2021 | 8.97 | 65.43 | 51,175.30000000 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Plan 1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | 0.00 | 0.00 | 0.00 | 284.31 |

| Plan Sections | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | 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 | |
| 366.67 | 5.00 | 305.00 | 366.46 | 4.17 | -5.95 | 3.00 | 3.00 | 0.00 | 305.00 | |
| 1,017.53 | 24.12 | 284.02 | 993.76 | 53.13 | -159.69 | 3.00 | 2.94 | -3.22 | -25.96 | |
| 5,976.92 | 24.12 | 284.02 | 5,520.26 | 544.04 | -2,125.74 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,584.72 | 0.00 | 0.00 | 7,081.00 | 624.82 | -2,449.22 | 1.50 | -1.50 | 0.00 | 180.00 | SR 423-13 - VP |
| 10,844.72 | 0.00 | 0.00 | 10,341.00 | 624.82 | -2,449.22 | 0.00 | 0.00 | 0.00 | 0.00 | SR 423-13 - PBHL |

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well SR 423-13 - Slot (B04) SR 423-13 |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 8037.00usft (H&P #329) |
| Project: | Garfield County, CO (Nad 83) | MD Reference: | KB=30' @ 8037.00usft (H&P #329) |
| Site: | S. Leverich 13-09 Pad | North Reference: | True |
| Well: | SR 423-13 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan 1 | | |

| Planned 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) |
| U_WSCH | | | | | | | | | |
| 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 |
| Start Build 3.00 | | | | | | | | | |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 3.00 | 305.00 | 299.95 | 1.50 | -2.14 | 2.45 | 3.00 | 3.00 | 0.00 |
| Start DLS 3.00 TFO -25.96 | | | | | | | | | |
| 366.67 | 5.00 | 305.00 | 366.46 | 4.17 | -5.95 | 6.80 | 3.00 | 3.00 | 0.00 |
| 400.00 | 5.92 | 300.75 | 399.64 | 5.88 | -8.62 | 9.81 | 3.00 | 2.75 | -12.75 |
| 500.00 | 8.77 | 293.45 | 498.81 | 11.55 | -20.05 | 22.28 | 3.00 | 2.86 | -7.30 |
| 600.00 | 11.70 | 289.75 | 597.21 | 18.01 | -36.59 | 39.91 | 3.00 | 2.93 | -3.70 |
| 700.00 | 14.66 | 287.52 | 694.56 | 25.25 | -58.20 | 62.64 | 3.00 | 2.96 | -2.23 |
| 800.00 | 17.63 | 286.03 | 790.61 | 33.24 | -84.83 | 90.41 | 3.00 | 2.97 | -1.49 |
| 900.00 | 20.61 | 284.95 | 885.08 | 41.97 | -116.39 | 123.16 | 3.00 | 2.98 | -1.07 |
| 1,000.00 | 23.59 | 284.14 | 977.72 | 51.40 | -152.81 | 160.78 | 3.00 | 2.98 | -0.81 |
| Start 4959.39 hold at 1017.53 MD | | | | | | | | | |
| 1,017.53 | 24.12 | 284.02 | 993.76 | 53.13 | -159.69 | 167.87 | 3.00 | 2.99 | -0.70 |
| 1,100.00 | 24.12 | 284.02 | 1,069.03 | 61.29 | -192.38 | 201.56 | 0.00 | 0.00 | 0.00 |
| 9 5/8" Surface Casing | | | | | | | | | |
| 1,133.93 | 24.12 | 284.02 | 1,100.00 | 64.65 | -205.83 | 215.43 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 24.12 | 284.02 | 1,160.30 | 71.19 | -232.03 | 242.42 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 24.12 | 284.02 | 1,251.57 | 81.09 | -271.67 | 283.28 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 24.12 | 284.02 | 1,342.84 | 90.99 | -311.31 | 324.14 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 24.12 | 284.02 | 1,434.11 | 100.88 | -350.95 | 365.00 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 24.12 | 284.02 | 1,525.38 | 110.78 | -390.60 | 405.86 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 24.12 | 284.02 | 1,616.66 | 120.68 | -430.24 | 446.72 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 24.12 | 284.02 | 1,707.93 | 130.58 | -469.88 | 487.58 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 24.12 | 284.02 | 1,799.20 | 140.48 | -509.53 | 528.44 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 24.12 | 284.02 | 1,890.47 | 150.38 | -549.17 | 569.30 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 24.12 | 284.02 | 1,981.74 | 160.28 | -588.81 | 610.16 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 24.12 | 284.02 | 2,073.01 | 170.18 | -628.46 | 651.02 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 24.12 | 284.02 | 2,164.28 | 180.07 | -668.10 | 691.88 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 24.12 | 284.02 | 2,255.55 | 189.97 | -707.74 | 732.74 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 24.12 | 284.02 | 2,346.83 | 199.87 | -747.38 | 773.60 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 24.12 | 284.02 | 2,438.10 | 209.77 | -787.03 | 814.46 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 24.12 | 284.02 | 2,529.37 | 219.67 | -826.67 | 855.32 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 24.12 | 284.02 | 2,620.64 | 229.57 | -866.31 | 896.18 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 24.12 | 284.02 | 2,711.91 | 239.47 | -905.96 | 937.04 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 24.12 | 284.02 | 2,803.18 | 249.37 | -945.60 | 977.90 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 24.12 | 284.02 | 2,894.45 | 259.26 | -985.24 | 1,018.76 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 24.12 | 284.02 | 2,985.73 | 269.16 | -1,024.89 | 1,059.62 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 24.12 | 284.02 | 3,077.00 | 279.06 | -1,064.53 | 1,100.47 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 24.12 | 284.02 | 3,168.27 | 288.96 | -1,104.17 | 1,141.33 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 24.12 | 284.02 | 3,259.54 | 298.86 | -1,143.82 | 1,182.19 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 24.12 | 284.02 | 3,350.81 | 308.76 | -1,183.46 | 1,223.05 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 24.12 | 284.02 | 3,442.08 | 318.66 | -1,223.10 | 1,263.91 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 24.12 | 284.02 | 3,533.35 | 328.56 | -1,262.74 | 1,304.77 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 24.12 | 284.02 | 3,624.62 | 338.45 | -1,302.39 | 1,345.63 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 24.12 | 284.02 | 3,715.90 | 348.35 | -1,342.03 | 1,386.49 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 24.12 | 284.02 | 3,807.17 | 358.25 | -1,381.67 | 1,427.35 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 24.12 | 284.02 | 3,898.44 | 368.15 | -1,421.32 | 1,468.21 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 24.12 | 284.02 | 3,989.71 | 378.05 | -1,460.96 | 1,509.07 | 0.00 | 0.00 | 0.00 |
| G_SAND | | | | | | | | | |

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well SR 423-13 - Slot (B04) SR 423-13 |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 8037.00usft (H&P #329) |
| Project: | Garfield County, CO (Nad 83) | MD Reference: | KB=30' @ 8037.00usft (H&P #329) |
| Site: | S. Leverich 13-09 Pad | North Reference: | True |
| Well: | SR 423-13 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan 1 | | |

| Planned 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) | |
| 4,383.59 | 24.12 | 284.02 | 4,066.00 | 386.32 | -1,494.10 | 1,543.22 | 0.00 | 0.00 | 0.00 | |
| 4,400.00 | 24.12 | 284.02 | 4,080.98 | 387.95 | -1,500.60 | 1,549.93 | 0.00 | 0.00 | 0.00 | |
| 4,500.00 | 24.12 | 284.02 | 4,172.25 | 397.85 | -1,540.25 | 1,590.79 | 0.00 | 0.00 | 0.00 | |
| 4,600.00 | 24.12 | 284.02 | 4,263.52 | 407.75 | -1,579.89 | 1,631.65 | 0.00 | 0.00 | 0.00 | |
| 4,700.00 | 24.12 | 284.02 | 4,354.79 | 417.64 | -1,619.53 | 1,672.51 | 0.00 | 0.00 | 0.00 | |
| 4,800.00 | 24.12 | 284.02 | 4,446.07 | 427.54 | -1,659.17 | 1,713.37 | 0.00 | 0.00 | 0.00 | |
| 4,900.00 | 24.12 | 284.02 | 4,537.34 | 437.44 | -1,698.82 | 1,754.23 | 0.00 | 0.00 | 0.00 | |
| FRUN | | | | | | | | | | |
| 4,931.40 | 24.12 | 284.02 | 4,566.00 | 440.55 | -1,711.27 | 1,767.06 | 0.00 | 0.00 | 0.00 | |
| 5,000.00 | 24.12 | 284.02 | 4,628.61 | 447.34 | -1,738.46 | 1,795.09 | 0.00 | 0.00 | 0.00 | |
| 5,100.00 | 24.12 | 284.02 | 4,719.88 | 457.24 | -1,778.10 | 1,835.95 | 0.00 | 0.00 | 0.00 | |
| 5,200.00 | 24.12 | 284.02 | 4,811.15 | 467.14 | -1,817.75 | 1,876.81 | 0.00 | 0.00 | 0.00 | |
| 5,300.00 | 24.12 | 284.02 | 4,902.42 | 477.04 | -1,857.39 | 1,917.67 | 0.00 | 0.00 | 0.00 | |
| 5,400.00 | 24.12 | 284.02 | 4,993.69 | 486.94 | -1,897.03 | 1,958.53 | 0.00 | 0.00 | 0.00 | |
| 5,500.00 | 24.12 | 284.02 | 5,084.96 | 496.83 | -1,936.68 | 1,999.39 | 0.00 | 0.00 | 0.00 | |
| 5,600.00 | 24.12 | 284.02 | 5,176.24 | 506.73 | -1,976.32 | 2,040.25 | 0.00 | 0.00 | 0.00 | |
| 5,700.00 | 24.12 | 284.02 | 5,267.51 | 516.63 | -2,015.96 | 2,081.11 | 0.00 | 0.00 | 0.00 | |
| 5,800.00 | 24.12 | 284.02 | 5,358.78 | 526.53 | -2,055.60 | 2,121.97 | 0.00 | 0.00 | 0.00 | |
| 5,900.00 | 24.12 | 284.02 | 5,450.05 | 536.43 | -2,095.25 | 2,162.83 | 0.00 | 0.00 | 0.00 | |
| Start Drop -1.50 | | | | | | | | | | |
| 5,976.92 | 24.12 | 284.02 | 5,520.26 | 544.04 | -2,125.74 | 2,194.26 | 0.00 | 0.00 | 0.00 | |
| 6,000.00 | 23.77 | 284.02 | 5,541.35 | 546.31 | -2,134.83 | 2,203.62 | 1.50 | -1.50 | 0.00 | |
| 6,100.00 | 22.27 | 284.02 | 5,633.38 | 555.79 | -2,172.77 | 2,242.73 | 1.50 | -1.50 | 0.00 | |
| 6,200.00 | 20.77 | 284.02 | 5,726.41 | 564.67 | -2,208.36 | 2,279.41 | 1.50 | -1.50 | 0.00 | |
| 6,300.00 | 19.27 | 284.02 | 5,820.36 | 572.97 | -2,241.58 | 2,313.64 | 1.50 | -1.50 | 0.00 | |
| 6,400.00 | 17.77 | 284.02 | 5,915.18 | 580.66 | -2,272.39 | 2,345.41 | 1.50 | -1.50 | 0.00 | |
| 6,500.00 | 16.27 | 284.02 | 6,010.80 | 587.75 | -2,300.79 | 2,374.68 | 1.50 | -1.50 | 0.00 | |
| L_WSCH | | | | | | | | | | |
| 6,521.03 | 15.96 | 284.02 | 6,031.00 | 589.17 | -2,306.45 | 2,380.51 | 1.50 | -1.50 | 0.00 | |
| 6,600.00 | 14.77 | 284.02 | 6,107.15 | 594.24 | -2,326.75 | 2,401.44 | 1.50 | -1.50 | 0.00 | |
| 6,700.00 | 13.27 | 284.02 | 6,204.17 | 600.10 | -2,350.26 | 2,425.66 | 1.50 | -1.50 | 0.00 | |
| 6,800.00 | 11.77 | 284.02 | 6,301.79 | 605.36 | -2,371.29 | 2,447.34 | 1.50 | -1.50 | 0.00 | |
| 6,900.00 | 10.27 | 284.02 | 6,399.94 | 609.99 | -2,389.84 | 2,466.46 | 1.50 | -1.50 | 0.00 | |
| OCCRK | | | | | | | | | | |
| 6,982.23 | 9.04 | 284.02 | 6,481.00 | 613.33 | -2,403.22 | 2,480.25 | 1.50 | -1.50 | 0.00 | |
| 7,000.00 | 8.77 | 284.02 | 6,498.56 | 613.99 | -2,405.89 | 2,483.00 | 1.50 | -1.50 | 0.00 | |
| 7,100.00 | 7.27 | 284.02 | 6,597.58 | 617.38 | -2,419.42 | 2,496.95 | 1.50 | -1.50 | 0.00 | |
| 7,200.00 | 5.77 | 284.02 | 6,696.93 | 620.13 | -2,430.44 | 2,508.31 | 1.50 | -1.50 | 0.00 | |
| 7,300.00 | 4.27 | 284.02 | 6,796.54 | 622.25 | -2,438.93 | 2,517.06 | 1.50 | -1.50 | 0.00 | |
| 7,400.00 | 2.77 | 284.02 | 6,896.35 | 623.73 | -2,444.89 | 2,523.20 | 1.50 | -1.50 | 0.00 | |
| 7,500.00 | 1.27 | 284.02 | 6,996.28 | 624.59 | -2,448.31 | 2,526.72 | 1.50 | -1.50 | 0.00 | |
| Start 3260.00 hold at 7584.72 MD - U_MVRD - TGAS | | | | | | | | | | |
| 7,584.72 | 0.00 | 0.00 | 7,081.00 | 624.82 | -2,449.22 | 2,527.66 | 1.50 | -1.50 | 0.00 | |
| 7,600.00 | 0.00 | 0.00 | 7,096.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 | |
| 7,700.00 | 0.00 | 0.00 | 7,196.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 | |
| 7,800.00 | 0.00 | 0.00 | 7,296.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 | |
| 7,900.00 | 0.00 | 0.00 | 7,396.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 | |
| 8,000.00 | 0.00 | 0.00 | 7,496.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 | |
| 8,100.00 | 0.00 | 0.00 | 7,596.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 | |
| 8,200.00 | 0.00 | 0.00 | 7,696.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 | |
| 8,300.00 | 0.00 | 0.00 | 7,796.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 | |
| 8,400.00 | 0.00 | 0.00 | 7,896.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 | |
| 8,500.00 | 0.00 | 0.00 | 7,996.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 | |

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well SR 423-13 - Slot (B04) SR 423-13 |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 8037.00usft (H&P #329) |
| Project: | Garfield County, CO (Nad 83) | MD Reference: | KB=30' @ 8037.00usft (H&P #329) |
| Site: | S. Leverich 13-09 Pad | North Reference: | True |
| Well: | SR 423-13 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan 1 | | |

| Planned 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) |
| 8,600.00 | 0.00 | 0.00 | 8,096.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 0.00 | 0.00 | 8,196.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 0.00 | 0.00 | 8,296.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 0.00 | 0.00 | 8,396.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 0.00 | 0.00 | 8,496.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 0.00 | 0.00 | 8,596.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 0.00 | 0.00 | 8,696.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 0.00 | 0.00 | 8,796.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 0.00 | 0.00 | 8,896.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 0.00 | 0.00 | 8,996.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 0.00 | 0.00 | 9,096.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 0.00 | 0.00 | 9,196.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| CME0 | | | | | | | | | |
| 9,700.72 | 0.00 | 0.00 | 9,197.00 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 0.00 | 0.00 | 9,296.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 0.00 | 0.00 | 9,396.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 0.00 | 0.00 | 9,496.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 0.00 | 0.00 | 9,596.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 0.00 | 0.00 | 9,696.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 0.00 | 0.00 | 9,796.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 0.00 | 0.00 | 9,896.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| RLNS | | | | | | | | | |
| 10,494.72 | 0.00 | 0.00 | 9,991.00 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 0.00 | 0.00 | 9,996.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 0.00 | 0.00 | 10,096.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 0.00 | 0.00 | 10,196.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 0.00 | 0.00 | 10,296.28 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |
| TD at 10844.72 - TD | | | | | | | | | |
| 10,844.72 | 0.00 | 0.00 | 10,341.00 | 624.82 | -2,449.22 | 2,527.66 | 0.00 | 0.00 | 0.00 |

| Design Targets | | | | | | | | | |
|---------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| SR 423-13 - VP | 0.00 | 0.00 | 7,081.00 | 624.82 | -2,449.22 | 1,592,663.60 | 2,339,765.00 | 39.437304 | -107.837905 |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |
| SR 423-13 - PBHL | 0.00 | 0.00 | 10,341.00 | 624.82 | -2,449.22 | 1,592,663.60 | 2,339,765.00 | 39.437304 | -107.837905 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|-----------------------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 1,133.93 | 1,100.00 | 9 5/8" Surface Casing | 9-5/8 | 12-1/4 | |

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well SR 423-13 - Slot (B04) SR 423-13 |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 8037.00usft (H&P #329) |
| Project: | Garfield County, CO (Nad 83) | MD Reference: | KB=30' @ 8037.00usft (H&P #329) |
| Site: | S. Leverich 13-09 Pad | North Reference: | True |
| Well: | SR 423-13 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan 1 | | |

| Formations | | | | | |
|-----------------------|-----------------------|---------|-----------|---------|-------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
| 0.00 | 0.00 | U__WSCH | | 0.00 | |
| 4,383.59 | 4,066.00 | G_SAND | | | |
| 4,931.40 | 4,566.00 | FRUN | | | |
| 6,521.03 | 6,031.00 | L__WSCH | | | |
| 6,982.23 | 6,481.00 | OCRK | | | |
| 7,584.72 | 7,081.00 | U__MVRD | | | |
| 7,584.72 | 7,081.00 | TGAS | | | |
| 9,700.72 | 9,197.00 | CMEO | | | |
| 10,494.72 | 9,991.00 | RLNS | | | |
| 10,844.72 | 10,341.00 | TD | | 0.00 | |

| Plan Annotations | | | | |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
| | | +N/-S (usft) | +E/-W (usft) | |
| 200.00 | 200.00 | 0.00 | 0.00 | Start Build 3.00 |
| 366.67 | 366.46 | 4.17 | -5.95 | Start DLS 3.00 TFO -25.96 |
| 1,017.53 | 993.76 | 53.13 | -159.69 | Start 4959.39 hold at 1017.53 MD |
| 5,976.92 | 5,520.26 | 544.04 | -2,125.74 | Start Drop -1.50 |
| 7,584.72 | 7,081.00 | 624.82 | -2,449.22 | Start 3260.00 hold at 7584.72 MD |
| 10,844.72 | 10,341.00 | 624.82 | -2,449.22 | TD at 10844.72 |