

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

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

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|------------------|----------|---------|----------|------------|------------|-----------|-------------|------------------------|
| SR 324-13 - VP | 7091.00 | -419.42 | -2425.64 | 1591613.60 | 2339740.00 | 39.434421 | -107.837897 | Circle (Radius: 50.00) |
| SR 324-13 - PBHL | 10311.00 | -419.42 | -2425.64 | 1591613.60 | 2339740.00 | 39.434421 | -107.837897 | Point |

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well SR 324-13 - Slot (B01) SR 324-13, True North
 Vertical (TVD) Reference: KB=30' @ 8037.00usft (H&P #329)
 Section (VS) Reference: Slot - (B01) SR 324-13(0.00N, 0.00E)
 Measured Depth Reference: KB=30' @ 8037.00usft (H&P #329)
 Calculation Method: Minimum Curvature

ANNOTATIONS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | VSect | Departure | Annotation |
|----------|-------|--------|----------|---------|----------|---------|-----------|----------------------------------|
| 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 0.00 | 0.00 | Start Build 3.00 |
| 286.67 | 5.00 | 250.00 | 286.46 | -2.49 | -6.83 | 7.15 | 7.27 | Start DLS 3.00 TFO 13.04 |
| 889.58 | 22.99 | 260.33 | 869.13 | -31.48 | -148.74 | 151.93 | 152.22 | Start 5138.24 hold at 889.58 MD |
| 6027.82 | 22.99 | 260.33 | 5599.42 | -368.49 | -2126.69 | 2158.38 | 2158.67 | Start Drop -1.50 |
| 7560.16 | 0.00 | 0.00 | 7091.00 | -419.42 | -2425.64 | 2461.64 | 2461.93 | Start 3220.00 hold at 7560.16 MD |
| 10780.16 | 0.00 | 0.00 | 10311.00 | -419.42 | -2425.64 | 2461.64 | 2461.93 | TD at 10780.16 |

WELL DETAILS: SR 324-13

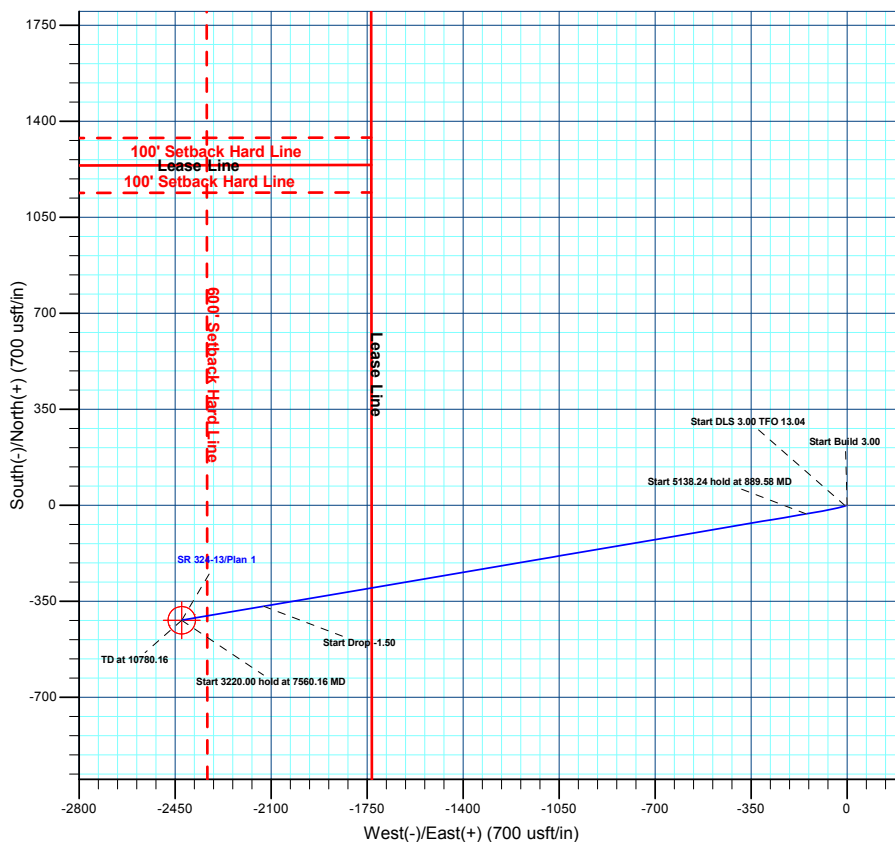
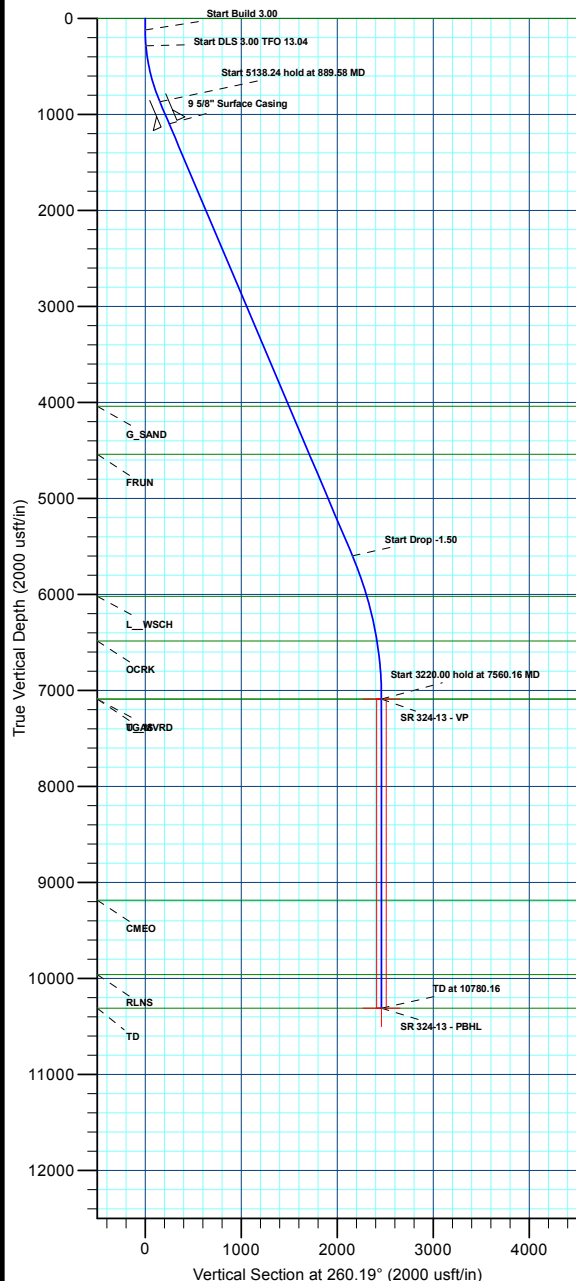
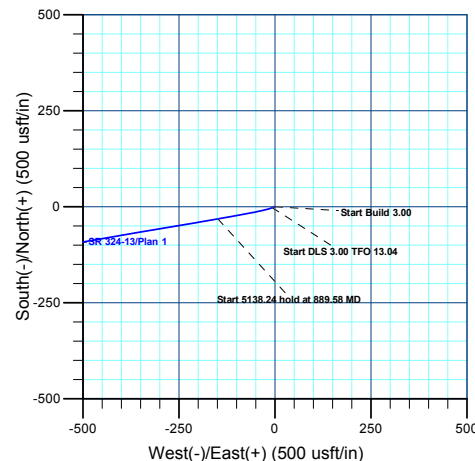
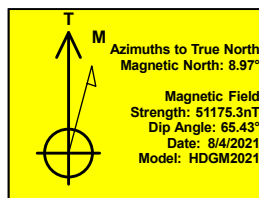
| +N/-S | +E/-W | Northing | Ground Elev. | 8007.00 | Latitude | Longitude | Slot |
|-------|-------|------------|--------------|------------|-----------|-------------|-----------------|
| 0.00 | 0.00 | 1591970.70 | 2342175.60 | 2342175.60 | 39.435572 | -107.829309 | (B01) SR 324-13 |

CASING DETAILS

| TVD | MD | Name | Size |
|---------|---------|-----------------------|-------|
| 1100.00 | 1140.36 | 9 5/8" Surface Casing | 9-5/8 |

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|----------|----------|-----------|
| 0.00 | 0.00 | U_WSCH |
| 4041.00 | 4334.99 | G_SAND |
| 4541.00 | 4878.11 | FRUN |
| 6021.00 | 6475.65 | L_WSCH |
| 6486.00 | 6952.61 | OCRK |
| 7091.00 | 7560.16 | TGAS |
| 7091.00 | 7560.16 | U_MVRD |
| 9187.00 | 9656.16 | CMEO |
| 9961.00 | 10430.16 | RLNS |
| 10311.00 | 10780.16 | TD |



Plan: Plan 1 (SR 324-13/Wellbore #1)

Created By: Chase Chambers Date: 12:25, April 19 2022



Terra Energy Partners, LLP

Garfield County, CO (Nad 83)

S. Leverich 13-09 Pad

SR 324-13 - Slot (B01) SR 324-13

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 324-13 - Slot (B01) SR 324-13 |
| 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 324-13 | 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 324-13 - Slot (B01) SR 324-13 | | | |
| Well Position | +N/-S | 7.65 usft | Northing: | 1,591,970.70 usft |
| | +E/-W | -9.90 usft | Easting: | 2,342,175.60 usft |
| 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 | 260.19 |

| 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 | |
| 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 286.67 | 5.00 | 250.00 | 286.46 | -2.49 | -6.83 | 3.00 | 3.00 | 0.00 | 250.00 | |
| 889.58 | 22.99 | 260.33 | 869.13 | -31.48 | -148.74 | 3.00 | 2.98 | 1.71 | 13.04 | |
| 6,027.82 | 22.99 | 260.33 | 5,599.42 | -368.49 | -2,126.69 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,560.16 | 0.00 | 0.00 | 7,091.00 | -419.42 | -2,425.64 | 1.50 | -1.50 | 0.00 | 180.00 | SR 324-13 - VP |
| 10,780.16 | 0.00 | 0.00 | 10,311.00 | -419.42 | -2,425.64 | 0.00 | 0.00 | 0.00 | 0.00 | SR 324-13 - PBHL |

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well SR 324-13 - Slot (B01) SR 324-13 |
| 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 324-13 | 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 | | | | | | | | | |
| 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 2.40 | 250.00 | 199.98 | -0.57 | -1.57 | 1.65 | 3.00 | 3.00 | 0.00 |
| Start DLS 3.00 TFO 13.04 | | | | | | | | | |
| 286.67 | 5.00 | 250.00 | 286.46 | -2.49 | -6.83 | 7.15 | 3.00 | 3.00 | 0.00 |
| 300.00 | 5.39 | 250.96 | 299.73 | -2.89 | -7.97 | 8.34 | 3.00 | 2.93 | 7.20 |
| 400.00 | 8.35 | 255.29 | 399.01 | -6.27 | -19.43 | 20.21 | 3.00 | 2.96 | 4.33 |
| 500.00 | 11.33 | 257.35 | 497.52 | -10.26 | -36.04 | 37.26 | 3.00 | 2.98 | 2.07 |
| 600.00 | 14.32 | 258.57 | 595.02 | -14.86 | -57.74 | 59.43 | 3.00 | 2.99 | 1.21 |
| 700.00 | 17.31 | 259.37 | 691.23 | -20.06 | -84.49 | 86.67 | 3.00 | 2.99 | 0.80 |
| 800.00 | 20.30 | 259.94 | 785.88 | -25.83 | -116.19 | 118.90 | 3.00 | 2.99 | 0.57 |
| Start 5138.24 hold at 889.58 MD | | | | | | | | | |
| 889.58 | 22.99 | 260.33 | 869.13 | -31.48 | -148.74 | 151.93 | 3.00 | 3.00 | 0.44 |
| 900.00 | 22.99 | 260.33 | 878.73 | -32.17 | -152.76 | 156.00 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 22.99 | 260.33 | 970.79 | -38.73 | -191.25 | 195.05 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 22.99 | 260.33 | 1,062.85 | -45.29 | -229.74 | 234.10 | 0.00 | 0.00 | 0.00 |
| 9 5/8" Surface Casing | | | | | | | | | |
| 1,140.36 | 22.99 | 260.33 | 1,100.00 | -47.93 | -245.28 | 249.86 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 22.99 | 260.33 | 1,154.91 | -51.84 | -268.24 | 273.15 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 22.99 | 260.33 | 1,246.97 | -58.40 | -306.73 | 312.20 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 22.99 | 260.33 | 1,339.03 | -64.96 | -345.23 | 351.25 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 22.99 | 260.33 | 1,431.09 | -71.52 | -383.72 | 390.30 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 22.99 | 260.33 | 1,523.15 | -78.08 | -422.22 | 429.35 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 22.99 | 260.33 | 1,615.21 | -84.64 | -460.71 | 468.40 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 22.99 | 260.33 | 1,707.27 | -91.20 | -499.21 | 507.45 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 22.99 | 260.33 | 1,799.33 | -97.76 | -537.70 | 546.49 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 22.99 | 260.33 | 1,891.39 | -104.31 | -576.20 | 585.54 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 22.99 | 260.33 | 1,983.45 | -110.87 | -614.69 | 624.59 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 22.99 | 260.33 | 2,075.51 | -117.43 | -653.19 | 663.64 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 22.99 | 260.33 | 2,167.57 | -123.99 | -691.68 | 702.69 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 22.99 | 260.33 | 2,259.64 | -130.55 | -730.17 | 741.74 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 22.99 | 260.33 | 2,351.70 | -137.11 | -768.67 | 780.79 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 22.99 | 260.33 | 2,443.76 | -143.67 | -807.16 | 819.84 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 22.99 | 260.33 | 2,535.82 | -150.23 | -845.66 | 858.89 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 22.99 | 260.33 | 2,627.88 | -156.78 | -884.15 | 897.94 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 22.99 | 260.33 | 2,719.94 | -163.34 | -922.65 | 936.99 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 22.99 | 260.33 | 2,812.00 | -169.90 | -961.14 | 976.04 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 22.99 | 260.33 | 2,904.06 | -176.46 | -999.64 | 1,015.09 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 22.99 | 260.33 | 2,996.12 | -183.02 | -1,038.13 | 1,054.14 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 22.99 | 260.33 | 3,088.18 | -189.58 | -1,076.63 | 1,093.18 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 22.99 | 260.33 | 3,180.24 | -196.14 | -1,115.12 | 1,132.23 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 22.99 | 260.33 | 3,272.30 | -202.70 | -1,153.62 | 1,171.28 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 22.99 | 260.33 | 3,364.36 | -209.25 | -1,192.11 | 1,210.33 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 22.99 | 260.33 | 3,456.42 | -215.81 | -1,230.60 | 1,249.38 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 22.99 | 260.33 | 3,548.48 | -222.37 | -1,269.10 | 1,288.43 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 22.99 | 260.33 | 3,640.54 | -228.93 | -1,307.59 | 1,327.48 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 22.99 | 260.33 | 3,732.60 | -235.49 | -1,346.09 | 1,366.53 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 22.99 | 260.33 | 3,824.67 | -242.05 | -1,384.58 | 1,405.58 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 22.99 | 260.33 | 3,916.73 | -248.61 | -1,423.08 | 1,444.63 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 22.99 | 260.33 | 4,008.79 | -255.17 | -1,461.57 | 1,483.68 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well SR 324-13 - Slot (B01) SR 324-13 |
| 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 324-13 | 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) |
| G_SAND | | | | | | | | | |
| 4,334.99 | 22.99 | 260.33 | 4,041.00 | -257.46 | -1,475.04 | 1,497.34 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 22.99 | 260.33 | 4,100.85 | -261.72 | -1,500.07 | 1,522.73 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 22.99 | 260.33 | 4,192.91 | -268.28 | -1,538.56 | 1,561.78 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 22.99 | 260.33 | 4,284.97 | -274.84 | -1,577.06 | 1,600.82 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 22.99 | 260.33 | 4,377.03 | -281.40 | -1,615.55 | 1,639.87 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 22.99 | 260.33 | 4,469.09 | -287.96 | -1,654.05 | 1,678.92 | 0.00 | 0.00 | 0.00 |
| FRUN | | | | | | | | | |
| 4,878.11 | 22.99 | 260.33 | 4,541.00 | -293.08 | -1,684.11 | 1,709.43 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 22.99 | 260.33 | 4,561.15 | -294.52 | -1,692.54 | 1,717.97 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 22.99 | 260.33 | 4,653.21 | -301.08 | -1,731.03 | 1,757.02 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 22.99 | 260.33 | 4,745.27 | -307.64 | -1,769.53 | 1,796.07 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 22.99 | 260.33 | 4,837.33 | -314.19 | -1,808.02 | 1,835.12 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 22.99 | 260.33 | 4,929.39 | -320.75 | -1,846.52 | 1,874.17 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 22.99 | 260.33 | 5,021.45 | -327.31 | -1,885.01 | 1,913.22 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 22.99 | 260.33 | 5,113.51 | -333.87 | -1,923.51 | 1,952.27 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 22.99 | 260.33 | 5,205.57 | -340.43 | -1,962.00 | 1,991.32 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 22.99 | 260.33 | 5,297.63 | -346.99 | -2,000.50 | 2,030.37 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 22.99 | 260.33 | 5,389.69 | -353.55 | -2,038.99 | 2,069.42 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 22.99 | 260.33 | 5,481.76 | -360.11 | -2,077.49 | 2,108.46 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 22.99 | 260.33 | 5,573.82 | -366.66 | -2,115.98 | 2,147.51 | 0.00 | 0.00 | 0.00 |
| Start Drop -1.50 | | | | | | | | | |
| 6,027.82 | 22.99 | 260.33 | 5,599.42 | -368.49 | -2,126.69 | 2,158.38 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 21.90 | 260.33 | 5,666.14 | -373.12 | -2,153.85 | 2,185.93 | 1.50 | -1.50 | 0.00 |
| 6,200.00 | 20.40 | 260.33 | 5,759.40 | -379.18 | -2,189.43 | 2,222.02 | 1.50 | -1.50 | 0.00 |
| 6,300.00 | 18.90 | 260.33 | 5,853.57 | -384.83 | -2,222.58 | 2,255.65 | 1.50 | -1.50 | 0.00 |
| 6,400.00 | 17.40 | 260.33 | 5,948.59 | -390.06 | -2,253.29 | 2,286.80 | 1.50 | -1.50 | 0.00 |
| L_WSCH | | | | | | | | | |
| 6,475.65 | 16.27 | 260.33 | 6,021.00 | -393.74 | -2,274.89 | 2,308.71 | 1.50 | -1.50 | 0.00 |
| 6,500.00 | 15.90 | 260.33 | 6,044.39 | -394.87 | -2,281.54 | 2,315.46 | 1.50 | -1.50 | 0.00 |
| 6,600.00 | 14.40 | 260.33 | 6,140.92 | -399.26 | -2,307.31 | 2,341.60 | 1.50 | -1.50 | 0.00 |
| 6,700.00 | 12.90 | 260.33 | 6,238.09 | -403.23 | -2,330.57 | 2,365.20 | 1.50 | -1.50 | 0.00 |
| 6,800.00 | 11.40 | 260.33 | 6,335.84 | -406.76 | -2,351.32 | 2,386.25 | 1.50 | -1.50 | 0.00 |
| 6,900.00 | 9.90 | 260.33 | 6,434.12 | -409.87 | -2,369.55 | 2,404.73 | 1.50 | -1.50 | 0.00 |
| OCRK | | | | | | | | | |
| 6,952.61 | 9.11 | 260.33 | 6,486.00 | -411.33 | -2,378.11 | 2,413.42 | 1.50 | -1.50 | 0.00 |
| 7,000.00 | 8.40 | 260.33 | 6,532.84 | -412.54 | -2,385.23 | 2,420.64 | 1.50 | -1.50 | 0.00 |
| 7,100.00 | 6.90 | 260.33 | 6,631.95 | -414.77 | -2,398.35 | 2,433.95 | 1.50 | -1.50 | 0.00 |
| 7,200.00 | 5.40 | 260.33 | 6,731.37 | -416.58 | -2,408.92 | 2,444.67 | 1.50 | -1.50 | 0.00 |
| 7,300.00 | 3.90 | 260.33 | 6,831.04 | -417.94 | -2,416.91 | 2,452.78 | 1.50 | -1.50 | 0.00 |
| 7,400.00 | 2.40 | 260.33 | 6,930.88 | -418.86 | -2,422.33 | 2,458.28 | 1.50 | -1.50 | 0.00 |
| 7,500.00 | 0.90 | 260.33 | 7,030.84 | -419.35 | -2,425.18 | 2,461.17 | 1.50 | -1.50 | 0.00 |
| Start 3220.00 hold at 7560.16 MD - U_MVRD - TGAS | | | | | | | | | |
| 7,560.16 | 0.00 | 0.00 | 7,091.00 | -419.42 | -2,425.64 | 2,461.64 | 1.50 | -1.50 | 0.00 |
| 7,600.00 | 0.00 | 0.00 | 7,130.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 0.00 | 0.00 | 7,230.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 0.00 | 0.00 | 7,330.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 0.00 | 0.00 | 7,430.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 0.00 | 0.00 | 7,530.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 7,630.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 0.00 | 0.00 | 7,730.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 0.00 | 0.00 | 7,830.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 0.00 | 0.00 | 7,930.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well SR 324-13 - Slot (B01) SR 324-13 |
| 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 324-13 | 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) |
| 8,500.00 | 0.00 | 0.00 | 8,030.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 0.00 | 0.00 | 8,130.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 0.00 | 0.00 | 8,230.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 0.00 | 0.00 | 8,330.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 0.00 | 0.00 | 8,430.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 0.00 | 0.00 | 8,530.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 0.00 | 0.00 | 8,630.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 0.00 | 0.00 | 8,730.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 0.00 | 0.00 | 8,830.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 0.00 | 0.00 | 8,930.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 0.00 | 0.00 | 9,030.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 0.00 | 0.00 | 9,130.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| CMEO | | | | | | | | | |
| 9,656.16 | 0.00 | 0.00 | 9,187.00 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 0.00 | 0.00 | 9,230.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 0.00 | 0.00 | 9,330.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 0.00 | 0.00 | 9,430.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 0.00 | 0.00 | 9,530.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 0.00 | 0.00 | 9,630.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 0.00 | 0.00 | 9,730.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 0.00 | 0.00 | 9,830.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 0.00 | 0.00 | 9,930.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| RLNS | | | | | | | | | |
| 10,430.16 | 0.00 | 0.00 | 9,961.00 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 0.00 | 0.00 | 10,030.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 0.00 | 0.00 | 10,130.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 0.00 | 0.00 | 10,230.84 | -419.42 | -2,425.64 | 2,461.64 | 0.00 | 0.00 | 0.00 |
| TD at 10780.16 - TD | | | | | | | | | |
| 10,780.16 | 0.00 | 0.00 | 10,311.00 | -419.42 | -2,425.64 | 2,461.64 | 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 324-13 - VP - hit/miss target - Shape | 0.00 | 0.00 | 7,091.00 | -419.42 | -2,425.64 | 1,591,613.60 | 2,339,740.00 | 39.434421 | -107.837897 |
| SR 324-13 - PBHL - plan hits target center - Circle (radius 50.00) | | | | | | | | | |
| SR 324-13 - PBHL - plan hits target center - Point | 0.00 | 0.00 | 10,311.00 | -419.42 | -2,425.64 | 1,591,613.60 | 2,339,740.00 | 39.434421 | -107.837897 |

| Casing Points | | | | | |
|-----------------------|-----------------------|-----------------------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 1,140.36 | 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 324-13 - Slot (B01) SR 324-13 |
| 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 324-13 | 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 | |
| 4,334.99 | 4,041.00 | G_SAND | | | |
| 4,878.11 | 4,541.00 | FRUN | | | |
| 6,475.65 | 6,021.00 | L__WSCH | | | |
| 6,952.61 | 6,486.00 | OCRK | | | |
| 7,560.16 | 7,091.00 | U__MVRD | | | |
| 7,560.16 | 7,091.00 | TGAS | | | |
| 9,656.16 | 9,187.00 | CME0 | | | |
| 10,430.16 | 9,961.00 | RLNS | | | |
| 10,780.16 | 10,311.00 | TD | | 0.00 | |

| Plan Annotations | | | | |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
| | | +N/-S (usft) | +E/-W (usft) | |
| 120.00 | 120.00 | 0.00 | 0.00 | Start Build 3.00 |
| 286.67 | 286.46 | -2.49 | -6.83 | Start DLS 3.00 TFO 13.04 |
| 889.58 | 869.13 | -31.48 | -148.74 | Start 5138.24 hold at 889.58 MD |
| 6,027.82 | 5,599.42 | -368.49 | -2,126.69 | Start Drop -1.50 |
| 7,560.16 | 7,091.00 | -419.42 | -2,425.64 | Start 3220.00 hold at 7560.16 MD |
| 10,780.16 | 10,311.00 | -419.42 | -2,425.64 | TD at 10780.16 |