

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 |
|----------------------|----------|---------|---------|------------|------------|-----------|-------------|------------------------|
| WMC 11-19-793 - VP | 7608.00 | 1947.14 | -253.96 | 1590514.80 | 2343746.90 | 39.431687 | -107.823616 | Circle (Radius: 50.00) |
| WMC 11-19-793 - PBHL | 10883.00 | 1947.14 | -253.96 | 1590514.80 | 2343746.90 | 39.431687 | -107.823616 | Point |

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Site Honea Pad, True North
 Vertical (TVD) Reference: KB=30' @ 8593.00usft (H&P #329)
 Section (VS) Reference: Slot - WMC 11-19-793(65.04N, 51.75E)
 Measured Depth Reference: KB=30' @ 8593.00usft (H&P #329)
 Calculation Method: Minimum Curvature

ANNOTATIONS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | VSec | Departure | Annotation |
|----------|-------|--------|----------|---------|---------|---------|-----------|----------------------------------|
| 120.00 | 0.00 | 0.00 | 120.00 | 65.04 | 51.75 | 0.00 | 0.00 | Start Build 3.00 |
| 650.50 | 15.92 | 350.77 | 643.71 | 137.30 | 40.02 | 73.21 | 73.21 | Start 6152.72 hold at 650.50 MD |
| 6803.22 | 15.92 | 350.77 | 6560.59 | 1802.63 | -230.49 | 1760.35 | 1760.35 | Start Drop -1.50 |
| 7864.22 | 0.00 | 0.00 | 7608.00 | 1947.14 | -253.96 | 1906.77 | 1906.77 | Start 3275.00 hold at 7864.22 MD |
| 11139.22 | 0.00 | 0.00 | 10883.00 | 1947.14 | -253.96 | 1906.77 | 1906.77 | TD at 11139.22 |

WELL DETAILS: WMC 11-19-793

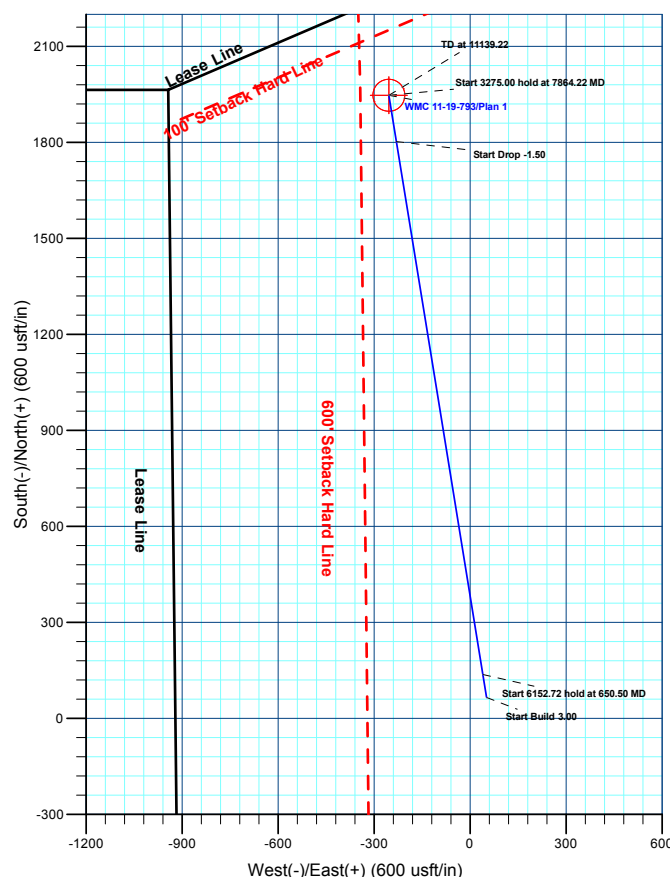
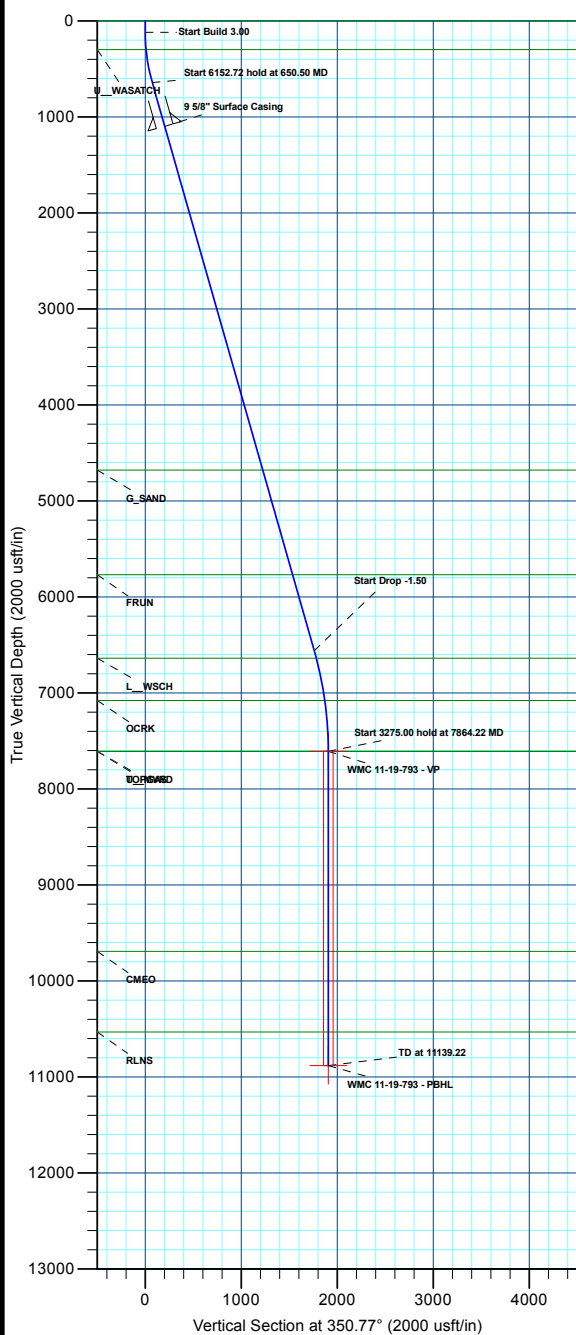
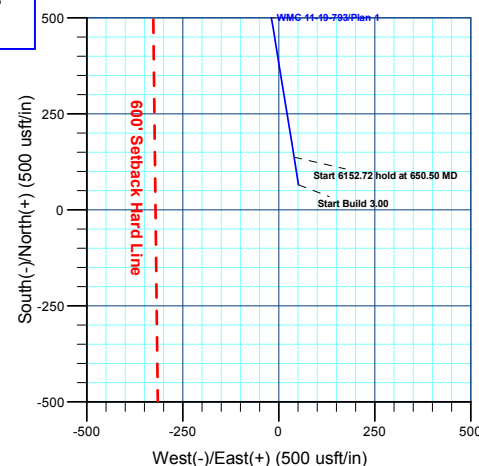
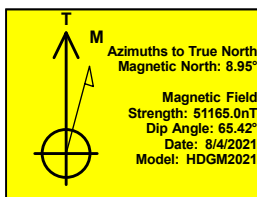
| | | | Ground Elev: 8563.00 | | |
|-------|-------|------------|----------------------|-----------|-------------|
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| 65.04 | 51.75 | 1588625.50 | 2344004.40 | 39.426520 | -107.822534 |

CASING DETAILS

| TVD | MD | Name | Size |
|---------|---------|-----------------------|-------|
| 1100.00 | 1124.98 | 9 5/8" Surface Casing | 9-5/8 |

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|----------|----------|-----------|
| 0.00 | 0.00 | GRRV |
| 300.00 | 300.27 | U_WASATCH |
| 4678.00 | 4845.60 | G_SAND |
| 5768.00 | 5979.04 | FRUN |
| 6638.00 | 6883.48 | L_WSCH |
| 7078.00 | 7332.51 | OCRK |
| 7608.00 | 7864.22 | TOPGAS |
| 7608.00 | 7864.22 | U_MVRD |
| 9693.00 | 9949.22 | CMEO |
| 10533.00 | 10789.22 | RLNS |



Plan: Plan 1 (WMC 11-19-793/Wellbore #1)

Created By: Chase Chambers Date: 12:26, January 26 2022



Terra Energy Partners, LLP

Garfield County, CO (Nad 83)

Honea Pad

WMC 11-19-793 - Slot WMC 11-19-793

Wellbore #1

Plan: Plan 1

KLX Well Planning Report

26 January, 2022



| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Site Honea Pad |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 8593.00usft (H&P #329) |
| Project: | Garfield County, CO (Nad 83) | MD Reference: | KB=30' @ 8593.00usft (H&P #329) |
| Site: | Honea Pad | North Reference: | True |
| Well: | WMC 11-19-793 | 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 | Honea Pad | | | | |
| Site Position: | | Northing: | 1,588,561.80 usft | Latitude: | 39.426341 |
| From: | Map | Easting: | 2,343,951.00 usft | Longitude: | -107.822717 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | -1.46 ° |

| Well | WMC 11-19-793 - Slot WMC 11-19-793 | | | | | |
|----------------------|------------------------------------|------------|---------------------|-------------------|---------------|---------------|
| Well Position | +N/-S | 65.04 usft | Northing: | 1,588,625.50 usft | Latitude: | 39.426520 |
| | +E/-W | 51.75 usft | Easting: | 2,344,004.40 usft | Longitude: | -107.822534 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | | Ground Level: | 8,563.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM2021 | 8/4/2021 | 8.95 | 65.42 | 51,165.00000000 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| 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 | 65.04 | 51.75 | 350.77 |

| 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 | 65.04 | 51.75 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 120.00 | 0.00 | 0.00 | 120.00 | 65.04 | 51.75 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 650.50 | 15.92 | 350.77 | 643.71 | 137.30 | 40.02 | 3.00 | 3.00 | 0.00 | 350.77 | |
| 6,803.22 | 15.92 | 350.77 | 6,560.59 | 1,802.63 | -230.49 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,864.23 | 0.00 | 0.00 | 7,608.00 | 1,947.14 | -253.96 | 1.50 | -1.50 | 0.00 | 180.00 | WMC 11-19-793 - VP |
| 11,139.23 | 0.00 | 0.00 | 10,883.00 | 1,947.14 | -253.96 | 0.00 | 0.00 | 0.00 | 0.00 | WMC 11-19-793 - PB |

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Site Honea Pad |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 8593.00usft (H&P #329) |
| Project: | Garfield County, CO (Nad 83) | MD Reference: | KB=30' @ 8593.00usft (H&P #329) |
| Site: | Honea Pad | North Reference: | True |
| Well: | WMC 11-19-793 | 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) |
| GRRV | | | | | | | | | |
| 0.00 | 0.00 | 0.00 | 0.00 | 65.04 | 51.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 65.04 | 51.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start Build 3.00 | | | | | | | | | |
| 120.00 | 0.00 | 0.00 | 120.00 | 65.04 | 51.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 2.40 | 350.77 | 199.98 | 66.70 | 51.49 | 1.68 | 3.00 | 3.00 | 0.00 |
| 300.00 | 5.40 | 350.77 | 299.73 | 73.41 | 50.40 | 8.48 | 3.00 | 3.00 | 0.00 |
| U_WASATCH | | | | | | | | | |
| 300.27 | 5.41 | 350.77 | 300.00 | 73.44 | 50.39 | 8.50 | 3.00 | 3.00 | 0.00 |
| 400.00 | 8.40 | 350.77 | 399.00 | 85.27 | 48.47 | 20.49 | 3.00 | 3.00 | 0.00 |
| 500.00 | 11.40 | 350.77 | 497.50 | 102.24 | 45.71 | 37.68 | 3.00 | 3.00 | 0.00 |
| 600.00 | 14.40 | 350.77 | 594.96 | 124.27 | 42.13 | 60.00 | 3.00 | 3.00 | 0.00 |
| Start 6152.72 hold at 650.50 MD | | | | | | | | | |
| 650.50 | 15.92 | 350.77 | 643.71 | 137.30 | 40.02 | 73.21 | 3.00 | 3.00 | 0.00 |
| 700.00 | 15.92 | 350.77 | 691.31 | 150.70 | 37.84 | 86.78 | 0.00 | 0.00 | 0.00 |
| 800.00 | 15.92 | 350.77 | 787.47 | 177.77 | 33.44 | 114.20 | 0.00 | 0.00 | 0.00 |
| 900.00 | 15.92 | 350.77 | 883.64 | 204.83 | 29.05 | 141.62 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 15.92 | 350.77 | 979.81 | 231.90 | 24.65 | 169.04 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 15.92 | 350.77 | 1,075.97 | 258.97 | 20.25 | 196.46 | 0.00 | 0.00 | 0.00 |
| 9 5/8" Surface Casing | | | | | | | | | |
| 1,124.98 | 15.92 | 350.77 | 1,100.00 | 265.73 | 19.16 | 203.31 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 15.92 | 350.77 | 1,172.14 | 286.03 | 15.86 | 223.89 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 15.92 | 350.77 | 1,268.31 | 313.10 | 11.46 | 251.31 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 15.92 | 350.77 | 1,364.48 | 340.17 | 7.07 | 278.73 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 15.92 | 350.77 | 1,460.64 | 367.23 | 2.67 | 306.15 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 15.92 | 350.77 | 1,556.81 | 394.30 | -1.73 | 333.57 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 15.92 | 350.77 | 1,652.98 | 421.37 | -6.12 | 360.99 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 15.92 | 350.77 | 1,749.14 | 448.43 | -10.52 | 388.41 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 15.92 | 350.77 | 1,845.31 | 475.50 | -14.92 | 415.83 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 15.92 | 350.77 | 1,941.48 | 502.56 | -19.31 | 443.25 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 15.92 | 350.77 | 2,037.64 | 529.63 | -23.71 | 470.68 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 15.92 | 350.77 | 2,133.81 | 556.70 | -28.11 | 498.10 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 15.92 | 350.77 | 2,229.98 | 583.76 | -32.50 | 525.52 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 15.92 | 350.77 | 2,326.14 | 610.83 | -36.90 | 552.94 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 15.92 | 350.77 | 2,422.31 | 637.90 | -41.30 | 580.36 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 15.92 | 350.77 | 2,518.48 | 664.96 | -45.69 | 607.78 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 15.92 | 350.77 | 2,614.65 | 692.03 | -50.09 | 635.20 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 15.92 | 350.77 | 2,710.81 | 719.10 | -54.49 | 662.62 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 15.92 | 350.77 | 2,806.98 | 746.16 | -58.88 | 690.05 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 15.92 | 350.77 | 2,903.15 | 773.23 | -63.28 | 717.47 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 15.92 | 350.77 | 2,999.31 | 800.30 | -67.68 | 744.89 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 15.92 | 350.77 | 3,095.48 | 827.36 | -72.07 | 772.31 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 15.92 | 350.77 | 3,191.65 | 854.43 | -76.47 | 799.73 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 15.92 | 350.77 | 3,287.81 | 881.49 | -80.86 | 827.15 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 15.92 | 350.77 | 3,383.98 | 908.56 | -85.26 | 854.57 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 15.92 | 350.77 | 3,480.15 | 935.63 | -89.66 | 881.99 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 15.92 | 350.77 | 3,576.32 | 962.69 | -94.05 | 909.41 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 15.92 | 350.77 | 3,672.48 | 989.76 | -98.45 | 936.84 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 15.92 | 350.77 | 3,768.65 | 1,016.83 | -102.85 | 964.26 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 15.92 | 350.77 | 3,864.82 | 1,043.89 | -107.24 | 991.68 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 15.92 | 350.77 | 3,960.98 | 1,070.96 | -111.64 | 1,019.10 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 15.92 | 350.77 | 4,057.15 | 1,098.03 | -116.04 | 1,046.52 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 15.92 | 350.77 | 4,153.32 | 1,125.09 | -120.43 | 1,073.94 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 15.92 | 350.77 | 4,249.48 | 1,152.16 | -124.83 | 1,101.36 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Site Honea Pad |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 8593.00usft (H&P #329) |
| Project: | Garfield County, CO (Nad 83) | MD Reference: | KB=30' @ 8593.00usft (H&P #329) |
| Site: | Honea Pad | North Reference: | True |
| Well: | WMC 11-19-793 | 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) |
| 4,500.00 | 15.92 | 350.77 | 4,345.65 | 1,179.23 | -129.23 | 1,128.78 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 15.92 | 350.77 | 4,441.82 | 1,206.29 | -133.62 | 1,156.21 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 15.92 | 350.77 | 4,537.98 | 1,233.36 | -138.02 | 1,183.63 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 15.92 | 350.77 | 4,634.15 | 1,260.42 | -142.42 | 1,211.05 | 0.00 | 0.00 | 0.00 |
| G_SAND | | | | | | | | | |
| 4,845.60 | 15.92 | 350.77 | 4,678.00 | 1,272.77 | -144.42 | 1,223.55 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 15.92 | 350.77 | 4,730.32 | 1,287.49 | -146.81 | 1,238.47 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 15.92 | 350.77 | 4,826.49 | 1,314.56 | -151.21 | 1,265.89 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 15.92 | 350.77 | 4,922.65 | 1,341.62 | -155.60 | 1,293.31 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 15.92 | 350.77 | 5,018.82 | 1,368.69 | -160.00 | 1,320.73 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 15.92 | 350.77 | 5,114.99 | 1,395.76 | -164.40 | 1,348.15 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 15.92 | 350.77 | 5,211.15 | 1,422.82 | -168.79 | 1,375.57 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 15.92 | 350.77 | 5,307.32 | 1,449.89 | -173.19 | 1,403.00 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 15.92 | 350.77 | 5,403.49 | 1,476.96 | -177.59 | 1,430.42 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 15.92 | 350.77 | 5,499.65 | 1,504.02 | -181.98 | 1,457.84 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 15.92 | 350.77 | 5,595.82 | 1,531.09 | -186.38 | 1,485.26 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 15.92 | 350.77 | 5,691.99 | 1,558.16 | -190.78 | 1,512.68 | 0.00 | 0.00 | 0.00 |
| FRUN | | | | | | | | | |
| 5,979.04 | 15.92 | 350.77 | 5,768.00 | 1,579.55 | -194.25 | 1,534.35 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 15.92 | 350.77 | 5,788.15 | 1,585.22 | -195.17 | 1,540.10 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 15.92 | 350.77 | 5,884.32 | 1,612.29 | -199.57 | 1,567.52 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 15.92 | 350.77 | 5,980.49 | 1,639.36 | -203.97 | 1,594.94 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 15.92 | 350.77 | 6,076.66 | 1,666.42 | -208.36 | 1,622.37 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 15.92 | 350.77 | 6,172.82 | 1,693.49 | -212.76 | 1,649.79 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 15.92 | 350.77 | 6,268.99 | 1,720.55 | -217.16 | 1,677.21 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 15.92 | 350.77 | 6,365.16 | 1,747.62 | -221.55 | 1,704.63 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 15.92 | 350.77 | 6,461.32 | 1,774.69 | -225.95 | 1,732.05 | 0.00 | 0.00 | 0.00 |
| Start Drop -1.50 | | | | | | | | | |
| 6,803.22 | 15.92 | 350.77 | 6,560.59 | 1,802.63 | -230.49 | 1,760.35 | 0.00 | 0.00 | 0.00 |
| L_WSCH | | | | | | | | | |
| 6,883.48 | 14.71 | 350.77 | 6,638.00 | 1,823.55 | -233.89 | 1,781.55 | 1.50 | -1.50 | 0.00 |
| 6,900.00 | 14.46 | 350.77 | 6,653.98 | 1,827.65 | -234.55 | 1,785.71 | 1.50 | -1.50 | 0.00 |
| 7,000.00 | 12.96 | 350.77 | 6,751.13 | 1,851.05 | -238.35 | 1,809.42 | 1.50 | -1.50 | 0.00 |
| 7,100.00 | 11.46 | 350.77 | 6,848.86 | 1,871.93 | -241.74 | 1,830.57 | 1.50 | -1.50 | 0.00 |
| 7,200.00 | 9.96 | 350.77 | 6,947.12 | 1,890.28 | -244.73 | 1,849.16 | 1.50 | -1.50 | 0.00 |
| 7,300.00 | 8.46 | 350.77 | 7,045.82 | 1,906.09 | -247.29 | 1,865.17 | 1.50 | -1.50 | 0.00 |
| OCRK | | | | | | | | | |
| 7,332.51 | 7.98 | 350.77 | 7,078.00 | 1,910.67 | -248.04 | 1,869.82 | 1.50 | -1.50 | 0.00 |
| 7,400.00 | 6.96 | 350.77 | 7,144.92 | 1,919.33 | -249.44 | 1,878.59 | 1.50 | -1.50 | 0.00 |
| 7,500.00 | 5.46 | 350.77 | 7,244.33 | 1,930.02 | -251.18 | 1,889.42 | 1.50 | -1.50 | 0.00 |
| 7,600.00 | 3.96 | 350.77 | 7,343.99 | 1,938.13 | -252.50 | 1,897.63 | 1.50 | -1.50 | 0.00 |
| 7,700.00 | 2.46 | 350.77 | 7,443.83 | 1,943.66 | -253.40 | 1,903.24 | 1.50 | -1.50 | 0.00 |
| 7,800.00 | 0.96 | 350.77 | 7,543.78 | 1,946.61 | -253.87 | 1,906.23 | 1.50 | -1.50 | 0.00 |
| Start 3275.00 hold at 7864.22 MD - U_MVRD - TOPGAS | | | | | | | | | |
| 7,864.23 | 0.00 | 0.00 | 7,608.00 | 1,947.14 | -253.96 | 1,906.77 | 1.50 | -1.50 | 0.00 |
| 7,900.00 | 0.00 | 0.00 | 7,643.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 0.00 | 0.00 | 7,743.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 7,843.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 0.00 | 0.00 | 7,943.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 0.00 | 0.00 | 8,043.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 0.00 | 0.00 | 8,143.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 0.00 | 0.00 | 8,243.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 0.00 | 0.00 | 8,343.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Site Honea Pad |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 8593.00usft (H&P #329) |
| Project: | Garfield County, CO (Nad 83) | MD Reference: | KB=30' @ 8593.00usft (H&P #329) |
| Site: | Honea Pad | North Reference: | True |
| Well: | WMC 11-19-793 | 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) |
| 8,700.00 | 0.00 | 0.00 | 8,443.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 0.00 | 0.00 | 8,543.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 0.00 | 0.00 | 8,643.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 0.00 | 0.00 | 8,743.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 0.00 | 0.00 | 8,843.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 0.00 | 0.00 | 8,943.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 0.00 | 0.00 | 9,043.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 0.00 | 0.00 | 9,143.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 0.00 | 0.00 | 9,243.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 0.00 | 0.00 | 9,343.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 0.00 | 0.00 | 9,443.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 0.00 | 0.00 | 9,543.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 0.00 | 0.00 | 9,643.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| CME0 | | | | | | | | | |
| 9,949.23 | 0.00 | 0.00 | 9,693.00 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 0.00 | 0.00 | 9,743.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 0.00 | 0.00 | 9,843.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 0.00 | 0.00 | 9,943.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 0.00 | 0.00 | 10,043.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 0.00 | 0.00 | 10,143.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 0.00 | 0.00 | 10,243.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 0.00 | 0.00 | 10,343.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 0.00 | 0.00 | 10,443.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| RLNS | | | | | | | | | |
| 10,789.23 | 0.00 | 0.00 | 10,533.00 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 0.00 | 0.00 | 10,543.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 0.00 | 0.00 | 10,643.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 0.00 | 0.00 | 10,743.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 0.00 | 0.00 | 10,843.78 | 1,947.14 | -253.96 | 1,906.77 | 0.00 | 0.00 | 0.00 |
| TD at 11139.22 | | | | | | | | | |
| 11,139.23 | 0.00 | 0.00 | 10,883.00 | 1,947.14 | -253.96 | 1,906.77 | 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 |
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| WMC 11-19-793 - VP | 0.00 | 0.00 | 7,608.00 | 1,947.14 | -253.96 | 1,590,514.80 | 2,343,746.90 | 39.431687 | -107.823616 |
| - plan hits target center | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |
| WMC 11-19-793 - PBHL | 0.00 | 0.00 | 10,883.00 | 1,947.14 | -253.96 | 1,590,514.80 | 2,343,746.90 | 39.431687 | -107.823616 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|-----------------------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 1,124.98 | 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: | Site Honea Pad |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 8593.00usft (H&P #329) |
| Project: | Garfield County, CO (Nad 83) | MD Reference: | KB=30' @ 8593.00usft (H&P #329) |
| Site: | Honea Pad | North Reference: | True |
| Well: | WMC 11-19-793 | 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 | GRRV | | | | |
| 300.27 | 300.00 | U__WASATCH | | | | |
| 4,845.60 | 4,678.00 | G_SAND | | | | |
| 5,979.04 | 5,768.00 | FRUN | | | | |
| 6,883.48 | 6,638.00 | L__WSCH | | | | |
| 7,332.51 | 7,078.00 | OCRK | | | | |
| 7,864.23 | 7,608.00 | U__MVRD | | | | |
| 7,864.23 | 7,608.00 | TOPGAS | | | | |
| 9,949.23 | 9,693.00 | CME0 | | | | |
| 10,789.23 | 10,533.00 | RLNS | | 0.00 | | |

| Plan Annotations | | | | |
|-----------------------|-----------------------|-------------------|--------------|----------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
| | | +N/-S (usft) | +E/-W (usft) | |
| 120.00 | 120.00 | 65.04 | 51.75 | Start Build 3.00 |
| 650.50 | 643.71 | 137.30 | 40.02 | Start 6152.72 hold at 650.50 MD |
| 6,803.22 | 6,560.59 | 1,802.63 | -230.49 | Start Drop -1.50 |
| 7,864.23 | 7,608.00 | 1,947.14 | -253.96 | Start 3275.00 hold at 7864.22 MD |
| 11,139.23 | 10,883.00 | 1,947.14 | -253.96 | TD at 11139.22 |