

PROJECT DETAILS: Rio Blanco County, CO

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 |
|-------------------------|----------|----------|---------|------------|------------|-----------|-------------|------------------------|
| RG 411-18-297 - KMV Gas | 7883.00 | -2666.98 | -378.45 | 1758219.90 | 2205779.00 | 39.881161 | -108.330330 | Circle (Radius: 50.00) |
| RG 411-18-297 - PBHL | 11543.00 | -2666.98 | -378.45 | 1758219.90 | 2205779.00 | 39.881161 | -108.330330 | Point |

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well RG 411-18-297 - Slot RG 411-18-297, True North
 Vertical (TVD) Reference: KB=30' @ 6633.00usft (H&P #329)
 Section (VS) Reference: Slot - RG 411-18-297(0.00N, 0.00E)
 Measured Depth Reference: KB=30' @ 6633.00usft (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 | 0.00 | 0.00 | 0.00 | 0.00 | Start Build 2.00 |
| 1143.01 | 20.46 | 188.08 | 1121.40 | -178.93 | -25.39 | 180.72 | 180.72 | Start 6499.71 hold at 1143.01 MD |
| 7642.72 | 20.46 | 188.08 | 7211.08 | -2428.41 | -344.60 | 2452.74 | 2452.74 | Start DLS 1.50 TFO -179.99 |
| 8340.06 | 10.00 | 188.07 | 7883.00 | -2609.53 | -370.30 | 2635.67 | 2635.67 | Start Drop -1.50 |
| 9006.73 | 0.00 | 0.00 | 8546.29 | -2666.99 | -378.45 | 2693.70 | 2693.70 | Start 2996.71 hold at 9006.73 MD |
| 12003.44 | 0.00 | 0.00 | 11543.00 | -2666.99 | -378.45 | 2693.70 | 2693.70 | TD at 12003.44 |

WELL DETAILS: RG 411-18-297

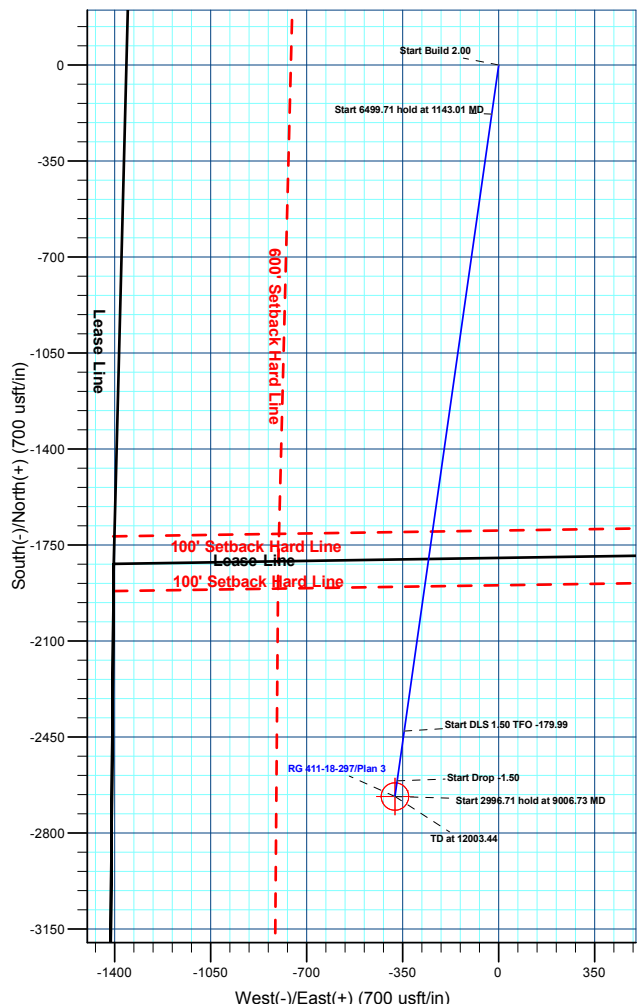
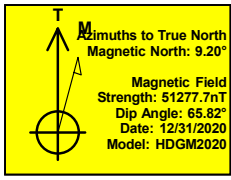
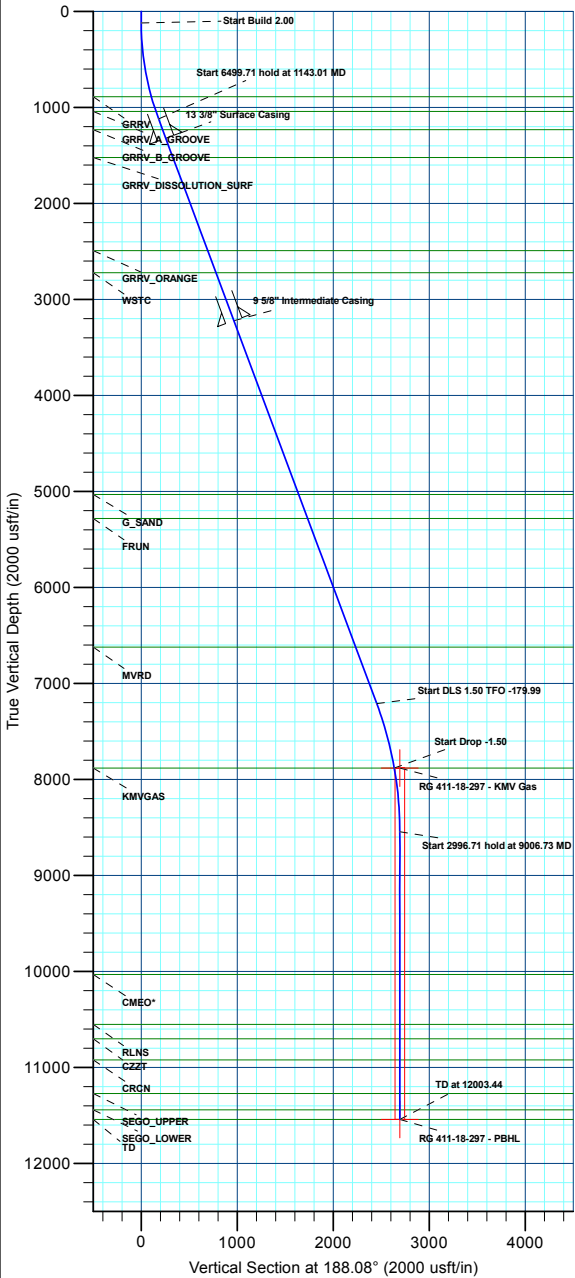
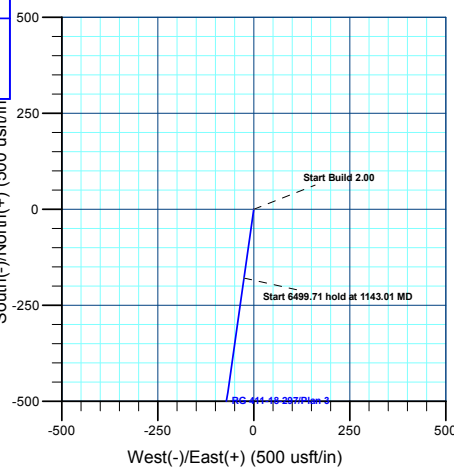
| +N/-S | +E/-W | Northing | Ground Elev. | Latitude | Longitude | Slot |
|-------|-------|------------|--------------|-----------|-------------|---------------|
| 0.00 | 0.00 | 1760873.80 | 6603.00 | 39.888482 | -108.328982 | RG 411-18-297 |

CASING DETAILS

| TVD | MD | Name | Size |
|---------|----------|--------------------------|--------|
| 1323.00 | 1358.18 | 13 3/8" Surface Casing | 13-3/8 |
| 3223.00 | 3386.119 | 5/8" Intermediate Casing | 9-5/8 |

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|----------|----------|-----------------------|
| 888.00 | 897.51 | GRRV |
| 1043.00 | 1059.76 | GRRV_A_GROOVE |
| 1233.00 | 1262.12 | GRRV_B_GROOVE |
| 1523.00 | 1571.64 | GRRV DISSOLUTION_SURF |
| 2493.00 | 2606.96 | GRRV_ORANGE |
| 2723.00 | 2852.44 | WSTC |
| 5033.00 | 5317.98 | G_SAND |
| 5283.00 | 5584.81 | FRUN |
| 6623.00 | 7015.04 | MVRD |
| 7883.00 | 8340.06 | KMVGAS |
| 10033.00 | 10493.44 | CMEO* |
| 10553.00 | 11013.44 | RLNS |
| 10703.00 | 11163.44 | CZZT |
| 10923.00 | 11383.44 | CRCN |
| 11273.00 | 11733.44 | SEGO_UPPER |
| 11443.00 | 11903.44 | SEGO_LOWER |
| 11543.00 | 12003.44 | TD |





Terra Energy Partners, LLP

Rio Blanco County, CO

RGU 23-7-297 Pad

RG 411-18-297 - Slot RG 411-18-297

Wellbore #1

Plan: Plan 3

KLX Well Planning Report

22 March, 2022



| | | | |
|------------------|----------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well RG 411-18-297 - Slot RG 411-18-297 |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 6633.00usft (H&P #329) |
| Project: | Rio Blanco County, CO | MD Reference: | KB=30' @ 6633.00usft (H&P #329) |
| Site: | RGU 23-7-297 Pad | North Reference: | True |
| Well: | RG 411-18-297 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan 3 | | |

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

| | | | | | |
|------------------------------|------------------|---------------------|-------------------|--------------------------|---------|
| Site | RGU 23-7-297 Pad | | | | |
| Site Position: | Northing: | 1,760,880.90 usft | Latitude: | 39.888499 | |
| From: Map | Easting: | 2,206,203.50 usft | Longitude: | -108.329114 | |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | -1.78 ° |

| | | | | | | |
|-----------------------------|------------------------------------|----------------------------|------------------|----------------------|-------------------|-------------|
| Well | RG 411-18-297 - Slot RG 411-18-297 | | | | | |
| Well Position | +N/-S | -5.95 usft | Northing: | 1,760,873.80 usft | Latitude: | 39.888482 |
| | +E/-W | 37.00 usft | Easting: | 2,206,240.30 usft | Longitude: | -108.328982 |
| Position Uncertainty | 0.00 usft | Wellhead Elevation: | | Ground Level: | 6,603.00 usft | |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM2020 | 12/31/2020 | 9.20 | 65.82 | 51,277.70000000 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Plan 3 | | | |
| 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 | 188.08 |

| 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 | |
| 1,143.01 | 20.46 | 188.08 | 1,121.40 | -178.93 | -25.39 | 2.00 | 2.00 | 0.00 | 188.08 | |
| 7,642.72 | 20.46 | 188.08 | 7,211.08 | -2,428.41 | -344.60 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,340.06 | 10.00 | 188.07 | 7,883.00 | -2,609.53 | -370.30 | 1.50 | -1.50 | 0.00 | -179.99 | |
| 9,006.73 | 0.00 | 0.00 | 8,546.29 | -2,666.99 | -378.45 | 1.50 | -1.50 | 0.00 | 180.00 | |
| 12,003.44 | 0.00 | 0.00 | 11,543.00 | -2,666.99 | -378.45 | 0.00 | 0.00 | 0.00 | 0.00 | RG 411-18-297 - PBH |

| | | | |
|------------------|----------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well RG 411-18-297 - Slot RG 411-18-297 |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 6633.00usft (H&P #329) |
| Project: | Rio Blanco County, CO | MD Reference: | KB=30' @ 6633.00usft (H&P #329) |
| Site: | RGU 23-7-297 Pad | North Reference: | True |
| Well: | RG 411-18-297 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan 3 | | |

| 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) | |
| 0.00 | 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 | 0.00 |
| Start Build 2.00 | | | | | | | | | | |
| 120.00 | 0.00 | 0.00 | 120.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 1.60 | 188.08 | 199.99 | -1.11 | -0.16 | 1.12 | 2.00 | 2.00 | 2.00 | 0.00 |
| 300.00 | 3.60 | 188.08 | 299.88 | -5.60 | -0.79 | 5.65 | 2.00 | 2.00 | 2.00 | 0.00 |
| 400.00 | 5.60 | 188.08 | 399.55 | -13.54 | -1.92 | 13.67 | 2.00 | 2.00 | 2.00 | 0.00 |
| 500.00 | 7.60 | 188.08 | 498.89 | -24.92 | -3.54 | 25.17 | 2.00 | 2.00 | 2.00 | 0.00 |
| 600.00 | 9.60 | 188.08 | 597.76 | -39.72 | -5.64 | 40.12 | 2.00 | 2.00 | 2.00 | 0.00 |
| 700.00 | 11.60 | 188.08 | 696.05 | -57.93 | -8.22 | 58.51 | 2.00 | 2.00 | 2.00 | 0.00 |
| 800.00 | 13.60 | 188.08 | 793.63 | -79.53 | -11.29 | 80.33 | 2.00 | 2.00 | 2.00 | 0.00 |
| GRRV | | | | | | | | | | |
| 897.51 | 15.55 | 188.08 | 888.00 | -103.82 | -14.73 | 104.86 | 2.00 | 2.00 | 2.00 | 0.00 |
| 900.00 | 15.60 | 188.08 | 890.40 | -104.48 | -14.83 | 105.53 | 2.00 | 2.00 | 2.00 | 0.00 |
| 1,000.00 | 17.60 | 188.08 | 986.23 | -132.77 | -18.84 | 134.10 | 2.00 | 2.00 | 2.00 | 0.00 |
| GRRV_A_GROOVE | | | | | | | | | | |
| 1,059.76 | 18.80 | 188.08 | 1,043.00 | -151.25 | -21.46 | 152.76 | 2.00 | 2.00 | 2.00 | 0.00 |
| 1,100.00 | 19.60 | 188.08 | 1,081.00 | -164.35 | -23.32 | 165.99 | 2.00 | 2.00 | 2.00 | 0.00 |
| Start 6499.71 hold at 1143.01 MD | | | | | | | | | | |
| 1,143.01 | 20.46 | 188.08 | 1,121.40 | -178.93 | -25.39 | 180.72 | 2.00 | 2.00 | 2.00 | 0.00 |
| 1,200.00 | 20.46 | 188.08 | 1,174.80 | -198.66 | -28.19 | 200.65 | 0.00 | 0.00 | 0.00 | 0.00 |
| GRRV_B_GROOVE | | | | | | | | | | |
| 1,262.12 | 20.46 | 188.08 | 1,233.00 | -220.15 | -31.24 | 222.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 20.46 | 188.08 | 1,268.49 | -233.26 | -33.10 | 235.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13 3/8" Surface Casing | | | | | | | | | | |
| 1,358.18 | 20.46 | 188.08 | 1,323.00 | -253.40 | -35.96 | 255.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 20.46 | 188.08 | 1,362.18 | -267.87 | -38.01 | 270.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 20.46 | 188.08 | 1,455.88 | -302.48 | -42.92 | 305.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| GRRV DISSOLUTION_SURF | | | | | | | | | | |
| 1,571.64 | 20.46 | 188.08 | 1,523.00 | -327.28 | -46.44 | 330.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 20.46 | 188.08 | 1,549.57 | -337.09 | -47.83 | 340.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 20.46 | 188.08 | 1,643.26 | -371.70 | -52.75 | 375.42 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 20.46 | 188.08 | 1,736.95 | -406.31 | -57.66 | 410.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 20.46 | 188.08 | 1,830.64 | -440.92 | -62.57 | 445.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 20.46 | 188.08 | 1,924.33 | -475.53 | -67.48 | 480.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 20.46 | 188.08 | 2,018.02 | -510.14 | -72.39 | 515.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 20.46 | 188.08 | 2,111.72 | -544.74 | -77.30 | 550.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 20.46 | 188.08 | 2,205.41 | -579.35 | -82.21 | 585.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 20.46 | 188.08 | 2,299.10 | -613.96 | -87.12 | 620.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 20.46 | 188.08 | 2,392.79 | -648.57 | -92.04 | 655.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 20.46 | 188.08 | 2,486.48 | -683.18 | -96.95 | 690.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| GRRV_ORANGE | | | | | | | | | | |
| 2,606.96 | 20.46 | 188.08 | 2,493.00 | -685.59 | -97.29 | 692.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 20.46 | 188.08 | 2,580.17 | -717.79 | -101.86 | 724.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 20.46 | 188.08 | 2,673.87 | -752.40 | -106.77 | 759.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| WSTC | | | | | | | | | | |
| 2,852.44 | 20.46 | 188.08 | 2,723.00 | -770.55 | -109.34 | 778.27 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 20.46 | 188.08 | 2,767.56 | -787.01 | -111.68 | 794.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 20.46 | 188.08 | 2,861.25 | -821.62 | -116.59 | 829.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 20.46 | 188.08 | 2,954.94 | -856.22 | -121.50 | 864.80 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 20.46 | 188.08 | 3,048.63 | -890.83 | -126.41 | 899.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 20.46 | 188.08 | 3,142.32 | -925.44 | -131.33 | 934.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 5/8" Intermediate Casing | | | | | | | | | | |

| | | | |
|------------------|----------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well RG 411-18-297 - Slot RG 411-18-297 |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 6633.00usft (H&P #329) |
| Project: | Rio Blanco County, CO | MD Reference: | KB=30' @ 6633.00usft (H&P #329) |
| Site: | RGU 23-7-297 Pad | North Reference: | True |
| Well: | RG 411-18-297 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan 3 | | |

| 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) |
| 3,386.11 | 20.46 | 188.08 | 3,223.00 | -955.24 | -135.55 | 964.81 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 20.46 | 188.08 | 3,236.01 | -960.05 | -136.24 | 969.67 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 20.46 | 188.08 | 3,329.71 | -994.66 | -141.15 | 1,004.63 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 20.46 | 188.08 | 3,423.40 | -1,029.27 | -146.06 | 1,039.58 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 20.46 | 188.08 | 3,517.09 | -1,063.88 | -150.97 | 1,074.54 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 20.46 | 188.08 | 3,610.78 | -1,098.49 | -155.88 | 1,109.49 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 20.46 | 188.08 | 3,704.47 | -1,133.10 | -160.79 | 1,144.45 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 20.46 | 188.08 | 3,798.16 | -1,167.70 | -165.70 | 1,179.40 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 20.46 | 188.08 | 3,891.86 | -1,202.31 | -170.61 | 1,214.36 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 20.46 | 188.08 | 3,985.55 | -1,236.92 | -175.53 | 1,249.31 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 20.46 | 188.08 | 4,079.24 | -1,271.53 | -180.44 | 1,284.27 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 20.46 | 188.08 | 4,172.93 | -1,306.14 | -185.35 | 1,319.23 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 20.46 | 188.08 | 4,266.62 | -1,340.75 | -190.26 | 1,354.18 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 20.46 | 188.08 | 4,360.31 | -1,375.36 | -195.17 | 1,389.14 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 20.46 | 188.08 | 4,454.00 | -1,409.97 | -200.08 | 1,424.09 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 20.46 | 188.08 | 4,547.70 | -1,444.58 | -204.99 | 1,459.05 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 20.46 | 188.08 | 4,641.39 | -1,479.18 | -209.90 | 1,494.00 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 20.46 | 188.08 | 4,735.08 | -1,513.79 | -214.82 | 1,528.96 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 20.46 | 188.08 | 4,828.77 | -1,548.40 | -219.73 | 1,563.91 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 20.46 | 188.08 | 4,922.46 | -1,583.01 | -224.64 | 1,598.87 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 20.46 | 188.08 | 5,016.15 | -1,617.62 | -229.55 | 1,633.83 | 0.00 | 0.00 | 0.00 |
| G_SAND | | | | | | | | | |
| 5,317.98 | 20.46 | 188.08 | 5,033.00 | -1,623.84 | -230.43 | 1,640.11 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 20.46 | 188.08 | 5,109.85 | -1,652.23 | -234.46 | 1,668.78 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 20.46 | 188.08 | 5,203.54 | -1,686.84 | -239.37 | 1,703.74 | 0.00 | 0.00 | 0.00 |
| FRUN | | | | | | | | | |
| 5,584.81 | 20.46 | 188.08 | 5,283.00 | -1,716.19 | -243.54 | 1,733.38 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 20.46 | 188.08 | 5,297.23 | -1,721.45 | -244.28 | 1,738.69 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 20.46 | 188.08 | 5,390.92 | -1,756.06 | -249.19 | 1,773.65 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 20.46 | 188.08 | 5,484.61 | -1,790.66 | -254.10 | 1,808.60 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 20.46 | 188.08 | 5,578.30 | -1,825.27 | -259.02 | 1,843.56 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 20.46 | 188.08 | 5,671.99 | -1,859.88 | -263.93 | 1,878.52 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 20.46 | 188.08 | 5,765.69 | -1,894.49 | -268.84 | 1,913.47 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 20.46 | 188.08 | 5,859.38 | -1,929.10 | -273.75 | 1,948.43 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 20.46 | 188.08 | 5,953.07 | -1,963.71 | -278.66 | 1,983.38 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 20.46 | 188.08 | 6,046.76 | -1,998.32 | -283.57 | 2,018.34 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 20.46 | 188.08 | 6,140.45 | -2,032.93 | -288.48 | 2,053.29 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 20.46 | 188.08 | 6,234.14 | -2,067.54 | -293.39 | 2,088.25 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 20.46 | 188.08 | 6,327.84 | -2,102.14 | -298.31 | 2,123.20 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 20.46 | 188.08 | 6,421.53 | -2,136.75 | -303.22 | 2,158.16 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 20.46 | 188.08 | 6,515.22 | -2,171.36 | -308.13 | 2,193.12 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 20.46 | 188.08 | 6,608.91 | -2,205.97 | -313.04 | 2,228.07 | 0.00 | 0.00 | 0.00 |
| MVRD | | | | | | | | | |
| 7,015.04 | 20.46 | 188.08 | 6,623.00 | -2,211.18 | -313.78 | 2,233.33 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 20.46 | 188.08 | 6,702.60 | -2,240.58 | -317.95 | 2,263.03 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 20.46 | 188.08 | 6,796.29 | -2,275.19 | -322.86 | 2,297.98 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 20.46 | 188.08 | 6,889.98 | -2,309.80 | -327.77 | 2,332.94 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 20.46 | 188.08 | 6,983.68 | -2,344.41 | -332.68 | 2,367.89 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 20.46 | 188.08 | 7,077.37 | -2,379.02 | -337.59 | 2,402.85 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 20.46 | 188.08 | 7,171.06 | -2,413.62 | -342.51 | 2,437.81 | 0.00 | 0.00 | 0.00 |
| Start DLS 1.50 TFO -179.99 | | | | | | | | | |
| 7,642.72 | 20.46 | 188.08 | 7,211.08 | -2,428.41 | -344.60 | 2,452.74 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 19.60 | 188.08 | 7,264.90 | -2,447.83 | -347.36 | 2,472.36 | 1.50 | -1.50 | 0.00 |

| | | | |
|------------------|----------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well RG 411-18-297 - Slot RG 411-18-297 |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 6633.00usft (H&P #329) |
| Project: | Rio Blanco County, CO | MD Reference: | KB=30' @ 6633.00usft (H&P #329) |
| Site: | RGU 23-7-297 Pad | North Reference: | True |
| Well: | RG 411-18-297 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan 3 | | |

| 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) |
| 7,800.00 | 18.10 | 188.08 | 7,359.53 | -2,479.82 | -351.90 | 2,504.67 | 1.50 | -1.50 | 0.00 |
| 7,900.00 | 16.60 | 188.08 | 7,454.98 | -2,509.35 | -356.09 | 2,534.49 | 1.50 | -1.50 | 0.00 |
| 8,000.00 | 15.10 | 188.07 | 7,551.17 | -2,536.39 | -359.93 | 2,561.80 | 1.50 | -1.50 | 0.00 |
| 8,100.00 | 13.60 | 188.07 | 7,648.05 | -2,560.93 | -363.41 | 2,586.59 | 1.50 | -1.50 | 0.00 |
| 8,200.00 | 12.10 | 188.07 | 7,745.54 | -2,582.95 | -366.53 | 2,608.83 | 1.50 | -1.50 | 0.00 |
| 8,300.00 | 10.60 | 188.07 | 7,843.58 | -2,602.44 | -369.29 | 2,628.51 | 1.50 | -1.50 | 0.00 |
| Start Drop -1.50 - KMGAS | | | | | | | | | |
| 8,340.06 | 10.00 | 188.07 | 7,883.00 | -2,609.53 | -370.30 | 2,635.67 | 1.50 | -1.50 | 0.00 |
| 8,400.00 | 9.10 | 188.07 | 7,942.11 | -2,619.38 | -371.70 | 2,645.62 | 1.50 | -1.50 | 0.00 |
| 8,500.00 | 7.60 | 188.07 | 8,041.04 | -2,633.76 | -373.74 | 2,660.14 | 1.50 | -1.50 | 0.00 |
| 8,600.00 | 6.10 | 188.07 | 8,140.33 | -2,645.57 | -375.41 | 2,672.07 | 1.50 | -1.50 | 0.00 |
| 8,700.00 | 4.60 | 188.07 | 8,239.89 | -2,654.80 | -376.72 | 2,681.39 | 1.50 | -1.50 | 0.00 |
| 8,800.00 | 3.10 | 188.07 | 8,339.66 | -2,661.45 | -377.66 | 2,688.11 | 1.50 | -1.50 | 0.00 |
| 8,900.00 | 1.60 | 188.07 | 8,439.57 | -2,665.51 | -378.24 | 2,692.21 | 1.50 | -1.50 | 0.00 |
| Start 2996.71 hold at 9006.73 MD | | | | | | | | | |
| 9,006.73 | 0.00 | 0.00 | 8,546.29 | -2,666.99 | -378.45 | 2,693.70 | 1.50 | -1.50 | 0.00 |
| 9,100.00 | 0.00 | 0.00 | 8,639.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 0.00 | 0.00 | 8,739.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 0.00 | 0.00 | 8,839.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 0.00 | 0.00 | 8,939.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 0.00 | 0.00 | 9,039.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 9,600.00 | 0.00 | 0.00 | 9,139.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 0.00 | 0.00 | 9,239.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 0.00 | 0.00 | 9,339.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 0.00 | 0.00 | 9,439.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 0.00 | 0.00 | 9,539.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 0.00 | 0.00 | 9,639.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 0.00 | 0.00 | 9,739.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 0.00 | 0.00 | 9,839.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 0.00 | 0.00 | 9,939.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| CMEO* | | | | | | | | | |
| 10,493.44 | 0.00 | 0.00 | 10,033.00 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 0.00 | 0.00 | 10,039.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 0.00 | 0.00 | 10,139.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 0.00 | 0.00 | 10,239.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 0.00 | 0.00 | 10,339.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 10,900.00 | 0.00 | 0.00 | 10,439.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 0.00 | 0.00 | 10,539.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| RLNS | | | | | | | | | |
| 11,013.44 | 0.00 | 0.00 | 10,553.00 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 0.00 | 0.00 | 10,639.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| CZZT | | | | | | | | | |
| 11,163.44 | 0.00 | 0.00 | 10,703.00 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 0.00 | 0.00 | 10,739.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 0.00 | 0.00 | 10,839.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| CRCN | | | | | | | | | |
| 11,383.44 | 0.00 | 0.00 | 10,923.00 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 0.00 | 0.00 | 10,939.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 0.00 | 0.00 | 11,039.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 0.00 | 0.00 | 11,139.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 0.00 | 0.00 | 11,239.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| SEGO_UPPER | | | | | | | | | |
| 11,733.44 | 0.00 | 0.00 | 11,273.00 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|----------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well RG 411-18-297 - Slot RG 411-18-297 |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 6633.00usft (H&P #329) |
| Project: | Rio Blanco County, CO | MD Reference: | KB=30' @ 6633.00usft (H&P #329) |
| Site: | RGU 23-7-297 Pad | North Reference: | True |
| Well: | RG 411-18-297 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan 3 | | |

| 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) |
| 11,800.00 | 0.00 | 0.00 | 11,339.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 0.00 | 0.00 | 11,439.56 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| SEGO_LOWER | | | | | | | | | |
| 11,903.44 | 0.00 | 0.00 | 11,443.00 | -2,666.99 | -378.45 | 2,693.70 | 0.00 | 0.00 | 0.00 |
| TD at 12003.44 - TD | | | | | | | | | |
| 12,003.44 | 0.00 | 0.00 | 11,543.00 | -2,666.99 | -378.45 | 2,693.70 | 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 |
| RG 411-18-297 - KMV C | 0.00 | 0.00 | 7,883.00 | -2,666.98 | -378.45 | 1,758,219.90 | 2,205,779.00 | 39.881161 | -108.330331 |
| - plan misses target center by 57.15usft at 8349.69usft MD (7892.48 TVD, -2611.17 N, -370.53 E) | | | | | | | | | |
| - Circle (radius 50.00) | | | | | | | | | |
| RG 411-18-297 - PBHL | 0.00 | 0.00 | 11,543.00 | -2,666.98 | -378.45 | 1,758,219.90 | 2,205,779.00 | 39.881161 | -108.330331 |
| - plan misses target center by 0.01usft at 12003.44usft MD (11543.00 TVD, -2666.99 N, -378.45 E) | | | | | | | | | |
| - Point | | | | | | | | | |

| Casing Points | | | | | |
|-----------------------|-----------------------|----------------------------|---------------------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") | |
| 1,358.18 | 1,323.00 | 13 3/8" Surface Casing | 13-3/8 | 17-1/2 | |
| 3,386.11 | 3,223.00 | 9 5/8" Intermediate Casing | 9-5/8 | 12-1/4 | |

| | | | |
|------------------|----------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well RG 411-18-297 - Slot RG 411-18-297 |
| Company: | Terra Energy Partners, LLP | TVD Reference: | KB=30' @ 6633.00usft (H&P #329) |
| Project: | Rio Blanco County, CO | MD Reference: | KB=30' @ 6633.00usft (H&P #329) |
| Site: | RGU 23-7-297 Pad | North Reference: | True |
| Well: | RG 411-18-297 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan 3 | | |

| Formations | | | | | | |
|-----------------------|-----------------------|-----------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 897.51 | 888.00 | GRRV | | | | |
| 1,059.76 | 1,043.00 | GRRV_A_GROOVE | | | | |
| 1,262.12 | 1,233.00 | GRRV_B_GROOVE | | | | |
| 1,571.64 | 1,523.00 | GRRV DISSOLUTION_SURF | | | | |
| 2,606.96 | 2,493.00 | GRRV_ORANGE | | | | |
| 2,852.44 | 2,723.00 | WSTC | | | | |
| 5,317.98 | 5,033.00 | G_SAND | | | | |
| 5,584.81 | 5,283.00 | FRUN | | | | |
| 7,015.04 | 6,623.00 | MVRD | | | | |
| 8,340.06 | 7,883.00 | KMVGAS | | | | |
| 10,493.44 | 10,033.00 | CMEO* | | | | |
| 11,013.44 | 10,553.00 | RLNS | | | | |
| 11,163.44 | 10,703.00 | CZZT | | | | |
| 11,383.44 | 10,923.00 | CRCN | | | | |
| 11,733.44 | 11,273.00 | SEGO_UPPER | | | | |
| 11,903.44 | 11,443.00 | SEGO_LOWER | | | | |
| 12,003.44 | 11,543.00 | TD | | | | |

| 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 2.00 | |
| 1,143.01 | 1,121.40 | -178.93 | -25.39 | Start 6499.71 hold at 1143.01 MD | |
| 7,642.72 | 7,211.08 | -2,428.41 | -344.60 | Start DLS 1.50 TFO -179.99 | |
| 8,340.06 | 7,883.00 | -2,609.53 | -370.30 | Start Drop -1.50 | |
| 9,006.73 | 8,546.29 | -2,666.99 | -378.45 | Start 2996.71 hold at 9006.73 MD | |
| 12,003.44 | 11,543.00 | -2,666.99 | -378.45 | TD at 12003.44 | |