



CRESTONE PEAK
RESOURCES

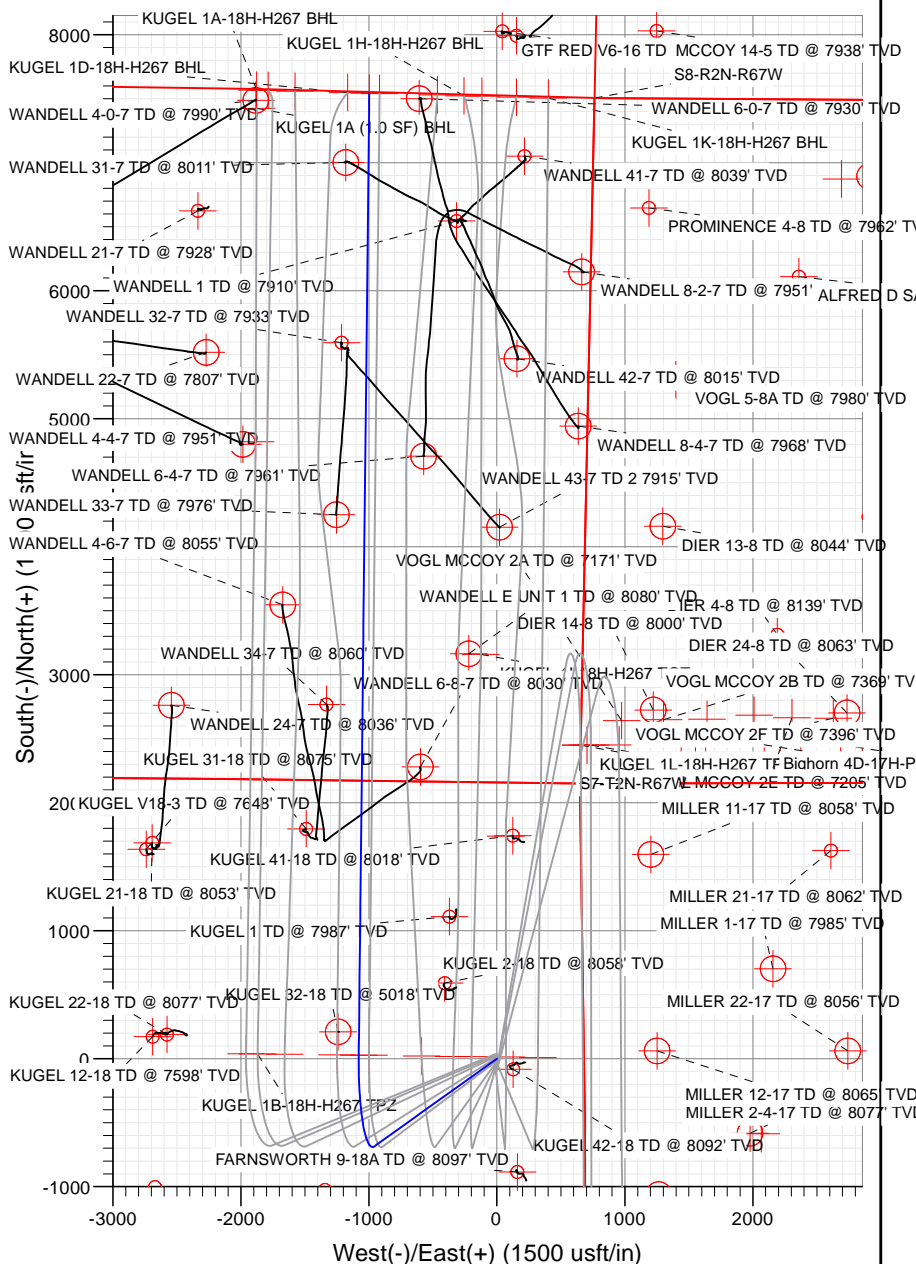
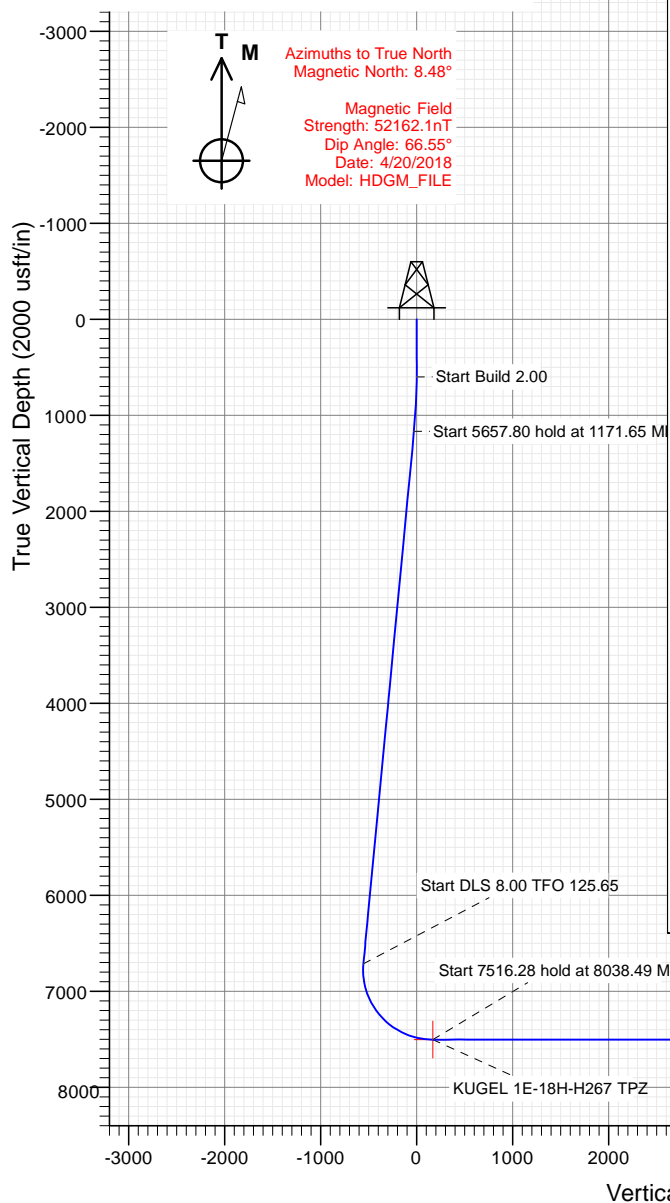
SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSec | Target |
|-----|----------|-------|--------|---------|---------|----------|------|--------|---------|-----------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1171.65 | 11.43 | 234.43 | 1167.87 | -33.07 | -46.24 | 2.00 | 234.43 | -26.72 | |
| 4 | 6829.45 | 11.43 | 234.43 | 6713.40 | -685.47 | -958.45 | 0.00 | 0.00 | -553.97 | |
| 5 | 8038.49 | 90.00 | 0.63 | 7503.00 | 27.17 | -1079.50 | 8.00 | 125.65 | 168.39 | KUGEL 1E-18H-H267 TPZ |
| 6 | 15554.78 | 90.00 | 0.63 | 7503.00 | 7543.00 | -997.00 | 0.00 | 0.00 | 7608.61 | KUGEL 1E-18H-H267 BHL |

PLAN #2 (6.11)
KUGEL 1E-18H-H267
23 KIS @ 4976.00usf
Ground Level @ 4953.00
North American Datum 1983
Well KUGEL 1E-18H-H267 - Slot KUGEL 1E, True North

| Type | Target | No Target (Freehand) | Azimuth | Origin Type | N/S | E/W | From TVD |
|-----------------------|---------|----------------------|---------|-------------|-------------|-----|----------|
| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | | |
| KUGEL 1E-18H-H267 BHL | 7503.00 | 7543.00 | -997.00 | 40.160422 | -104.930024 | | |
| KUGEL 1E-18H-H267 TPZ | 7503.00 | 7503.00 | 27.17 | 40.139790 | -104.930318 | | |

Project: DJ BASIN
Site: S18-T2N-R67W (KUGEL)
Well: KUGEL 1E-18H-H267
Wellbore: OH
Design: PLAN #2 (6.11)



WELL DETAILS: KUGEL 1E-18H-H267

| | | | | | | |
|-------|-------|------------|------------|-----------|-------------|----------|
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | KUGEL 1E |
| 0.00 | 0.00 | 1294260.49 | 3160349.87 | 40.139715 | -104.926457 | |

CATHEDRAL



Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well KUGEL 1E-18H-H267 - Slot KUGEL 1E |
| Company: | Crestone Peak Resources | TVD Reference: | 23' KB @ 4976.00usft |
| Project: | DJ BASIN | MD Reference: | 23' KB @ 4976.00usft |
| Site: | S18-T2N-R67W (KUGEL) | North Reference: | True |
| Well: | KUGEL 1E-18H-H267 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | PLAN #2 (6.11) | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | DJ BASIN | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| | | | | | |
|-----------------------|-----------|----------------------|-------------------|-------------------|-------------|
| Site | | S18-T2N-R67W (KUGEL) | | | |
| Site Position: | | Northing: | 1,294,180.28 usft | Latitude: | 40.139495 |
| From: | Lat/Long | Easting: | 3,160,365.72 usft | Longitude: | -104.926402 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16" | Grid Convergence: | 0.37 ° |

| | | | | | | |
|----------------------|-----------------------------------|-----------|---------------------|-------------------|---------------|---------------|
| Well | KUGEL 1E-18H-H267 - Slot KUGEL 1E | | | | | |
| Well Position | +N/-S | 0.00 usft | Northing: | 1,294,260.49 usft | Latitude: | 40.139715 |
| | +E/-W | 0.00 usft | Easting: | 3,160,349.87 usft | Longitude: | -104.926457 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | usft | Ground Level: | 4,953.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM_FILE | 4/20/2018 | 8.48 | 66.55 | 52,162.10000000 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | PLAN #2 (6.11) | | | |
| 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 | 352.47 |

| 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 | |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,171.65 | 11.43 | 234.43 | 1,167.87 | -33.07 | -46.24 | 2.00 | 2.00 | 0.00 | 234.43 | |
| 6,829.45 | 11.43 | 234.43 | 6,713.40 | -685.47 | -958.45 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,038.49 | 90.00 | 0.63 | 7,503.00 | 27.17 | -1,079.50 | 8.00 | 6.50 | 10.44 | 125.65 | KUGEL 1E-18H-H267 |
| 15,554.78 | 90.00 | 0.63 | 7,503.00 | 7,543.00 | -997.00 | 0.00 | 0.00 | 0.00 | 0.00 | KUGEL 1E-18H-H267 |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well KUGEL 1E-18H-H267 - Slot KUGEL 1E |
| Company: | Crestone Peak Resources | TVD Reference: | 23' KB @ 4976.00usft |
| Project: | DJ BASIN | MD Reference: | 23' KB @ 4976.00usft |
| Site: | S18-T2N-R67W (KUGEL) | North Reference: | True |
| Well: | KUGEL 1E-18H-H267 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | PLAN #2 (6.11) | | |

| Planned Survey | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|---------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100u) | Comments / Formations |
| 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 | |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 700.00 | 2.00 | 234.43 | 699.98 | -1.02 | -1.42 | -0.82 | 2.00 | 2.00 | |
| 800.00 | 4.00 | 234.43 | 799.84 | -4.06 | -5.68 | -3.28 | 2.00 | 2.00 | |
| 900.00 | 6.00 | 234.43 | 899.45 | -9.13 | -12.77 | -7.38 | 2.00 | 2.00 | |
| 1,000.00 | 8.00 | 234.43 | 998.70 | -16.22 | -22.68 | -13.11 | 2.00 | 2.00 | |
| 1,100.00 | 10.00 | 234.43 | 1,097.47 | -25.32 | -35.40 | -20.46 | 2.00 | 2.00 | |
| 1,171.65 | 11.43 | 234.43 | 1,167.87 | -33.07 | -46.24 | -26.72 | 2.00 | 2.00 | |
| 1,200.00 | 11.43 | 234.43 | 1,195.65 | -36.34 | -50.81 | -29.37 | 0.00 | 0.00 | |
| 1,300.00 | 11.43 | 234.43 | 1,293.67 | -47.87 | -66.93 | -38.69 | 0.00 | 0.00 | |
| 1,400.00 | 11.43 | 234.43 | 1,391.68 | -59.40 | -83.05 | -48.00 | 0.00 | 0.00 | |
| 1,500.00 | 11.43 | 234.43 | 1,489.70 | -70.93 | -99.18 | -57.32 | 0.00 | 0.00 | |
| 1,600.00 | 11.43 | 234.43 | 1,587.71 | -82.46 | -115.30 | -66.64 | 0.00 | 0.00 | |
| 1,700.00 | 11.43 | 234.43 | 1,685.73 | -93.99 | -131.42 | -75.96 | 0.00 | 0.00 | |
| 1,800.00 | 11.43 | 234.43 | 1,783.75 | -105.52 | -147.55 | -85.28 | 0.00 | 0.00 | |
| 1,900.00 | 11.43 | 234.43 | 1,881.76 | -117.05 | -163.67 | -94.60 | 0.00 | 0.00 | |
| 2,000.00 | 11.43 | 234.43 | 1,979.78 | -128.59 | -179.79 | -103.92 | 0.00 | 0.00 | |
| 2,100.00 | 11.43 | 234.43 | 2,077.79 | -140.12 | -195.92 | -113.24 | 0.00 | 0.00 | |
| 2,200.00 | 11.43 | 234.43 | 2,175.81 | -151.65 | -212.04 | -122.56 | 0.00 | 0.00 | |
| 2,300.00 | 11.43 | 234.43 | 2,273.82 | -163.18 | -228.16 | -131.87 | 0.00 | 0.00 | |
| 2,400.00 | 11.43 | 234.43 | 2,371.84 | -174.71 | -244.29 | -141.19 | 0.00 | 0.00 | |
| 2,500.00 | 11.43 | 234.43 | 2,469.86 | -186.24 | -260.41 | -150.51 | 0.00 | 0.00 | |
| 2,600.00 | 11.43 | 234.43 | 2,567.87 | -197.77 | -276.53 | -159.83 | 0.00 | 0.00 | |
| 2,700.00 | 11.43 | 234.43 | 2,665.89 | -209.30 | -292.66 | -169.15 | 0.00 | 0.00 | |
| 2,800.00 | 11.43 | 234.43 | 2,763.90 | -220.83 | -308.78 | -178.47 | 0.00 | 0.00 | |
| 2,900.00 | 11.43 | 234.43 | 2,861.92 | -232.36 | -324.90 | -187.79 | 0.00 | 0.00 | |
| 3,000.00 | 11.43 | 234.43 | 2,959.93 | -243.90 | -341.03 | -197.11 | 0.00 | 0.00 | |
| 3,100.00 | 11.43 | 234.43 | 3,057.95 | -255.43 | -357.15 | -206.42 | 0.00 | 0.00 | |
| 3,200.00 | 11.43 | 234.43 | 3,155.97 | -266.96 | -373.27 | -215.74 | 0.00 | 0.00 | |
| 3,300.00 | 11.43 | 234.43 | 3,253.98 | -278.49 | -389.39 | -225.06 | 0.00 | 0.00 | |
| 3,400.00 | 11.43 | 234.43 | 3,352.00 | -290.02 | -405.52 | -234.38 | 0.00 | 0.00 | |
| 3,500.00 | 11.43 | 234.43 | 3,450.01 | -301.55 | -421.64 | -243.70 | 0.00 | 0.00 | |
| 3,600.00 | 11.43 | 234.43 | 3,548.03 | -313.08 | -437.76 | -253.02 | 0.00 | 0.00 | |
| 3,700.00 | 11.43 | 234.43 | 3,646.04 | -324.61 | -453.89 | -262.34 | 0.00 | 0.00 | |
| 3,800.00 | 11.43 | 234.43 | 3,744.06 | -336.14 | -470.01 | -271.66 | 0.00 | 0.00 | |
| 3,900.00 | 11.43 | 234.43 | 3,842.08 | -347.67 | -486.13 | -280.98 | 0.00 | 0.00 | |
| 4,000.00 | 11.43 | 234.43 | 3,940.09 | -359.21 | -502.26 | -290.29 | 0.00 | 0.00 | |
| 4,100.00 | 11.43 | 234.43 | 4,038.11 | -370.74 | -518.38 | -299.61 | 0.00 | 0.00 | |
| 4,200.00 | 11.43 | 234.43 | 4,136.12 | -382.27 | -534.50 | -308.93 | 0.00 | 0.00 | |
| 4,300.00 | 11.43 | 234.43 | 4,234.14 | -393.80 | -550.63 | -318.25 | 0.00 | 0.00 | |
| 4,400.00 | 11.43 | 234.43 | 4,332.15 | -405.33 | -566.75 | -327.57 | 0.00 | 0.00 | |
| 4,500.00 | 11.43 | 234.43 | 4,430.17 | -416.86 | -582.87 | -336.89 | 0.00 | 0.00 | |
| 4,600.00 | 11.43 | 234.43 | 4,528.19 | -428.39 | -599.00 | -346.21 | 0.00 | 0.00 | |
| 4,700.00 | 11.43 | 234.43 | 4,626.20 | -439.92 | -615.12 | -355.53 | 0.00 | 0.00 | |
| 4,800.00 | 11.43 | 234.43 | 4,724.22 | -451.45 | -631.24 | -364.85 | 0.00 | 0.00 | |
| 4,900.00 | 11.43 | 234.43 | 4,822.23 | -462.98 | -647.37 | -374.16 | 0.00 | 0.00 | |
| 5,000.00 | 11.43 | 234.43 | 4,920.25 | -474.52 | -663.49 | -383.48 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well KUGEL 1E-18H-H267 - Slot KUGEL 1E |
| Company: | Crestone Peak Resources | TVD Reference: | 23' KB @ 4976.00usft |
| Project: | DJ BASIN | MD Reference: | 23' KB @ 4976.00usft |
| Site: | S18-T2N-R67W (KUGEL) | North Reference: | True |
| Well: | KUGEL 1E-18H-H267 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | PLAN #2 (6.11) | | |

| Planned Survey | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|---------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100u) | Comments / Formations |
| 5,100.00 | 11.43 | 234.43 | 5,018.26 | -486.05 | -679.61 | -392.80 | 0.00 | 0.00 | |
| 5,200.00 | 11.43 | 234.43 | 5,116.28 | -497.58 | -695.74 | -402.12 | 0.00 | 0.00 | |
| 5,300.00 | 11.43 | 234.43 | 5,214.30 | -509.11 | -711.86 | -411.44 | 0.00 | 0.00 | |
| 5,400.00 | 11.43 | 234.43 | 5,312.31 | -520.64 | -727.98 | -420.76 | 0.00 | 0.00 | |
| 5,500.00 | 11.43 | 234.43 | 5,410.33 | -532.17 | -744.10 | -430.08 | 0.00 | 0.00 | |
| 5,600.00 | 11.43 | 234.43 | 5,508.34 | -543.70 | -760.23 | -439.40 | 0.00 | 0.00 | |
| 5,700.00 | 11.43 | 234.43 | 5,606.36 | -555.23 | -776.35 | -448.72 | 0.00 | 0.00 | |
| 5,800.00 | 11.43 | 234.43 | 5,704.37 | -566.76 | -792.47 | -458.03 | 0.00 | 0.00 | |
| 5,900.00 | 11.43 | 234.43 | 5,802.39 | -578.29 | -808.60 | -467.35 | 0.00 | 0.00 | |
| 6,000.00 | 11.43 | 234.43 | 5,900.41 | -589.83 | -824.72 | -476.67 | 0.00 | 0.00 | |
| 6,100.00 | 11.43 | 234.43 | 5,998.42 | -601.36 | -840.84 | -485.99 | 0.00 | 0.00 | |
| 6,200.00 | 11.43 | 234.43 | 6,096.44 | -612.89 | -856.97 | -495.31 | 0.00 | 0.00 | |
| 6,300.00 | 11.43 | 234.43 | 6,194.45 | -624.42 | -873.09 | -504.63 | 0.00 | 0.00 | |
| 6,400.00 | 11.43 | 234.43 | 6,292.47 | -635.95 | -889.21 | -513.95 | 0.00 | 0.00 | |
| 6,500.00 | 11.43 | 234.43 | 6,390.48 | -647.48 | -905.34 | -523.27 | 0.00 | 0.00 | |
| 6,600.00 | 11.43 | 234.43 | 6,488.50 | -659.01 | -921.46 | -532.59 | 0.00 | 0.00 | |
| 6,700.00 | 11.43 | 234.43 | 6,586.52 | -670.54 | -937.58 | -541.90 | 0.00 | 0.00 | |
| 6,800.00 | 11.43 | 234.43 | 6,684.53 | -682.07 | -953.71 | -551.22 | 0.00 | 0.00 | |
| 6,829.45 | 11.43 | 234.43 | 6,713.40 | -685.47 | -958.45 | -553.97 | 0.00 | 0.00 | |
| 6,900.00 | 9.33 | 263.96 | 6,782.84 | -690.14 | -969.84 | -557.11 | 8.00 | -2.98 | |
| 7,000.00 | 11.55 | 307.63 | 6,881.32 | -684.88 | -985.85 | -549.79 | 8.00 | 2.22 | |
| 7,100.00 | 17.51 | 329.48 | 6,978.15 | -665.78 | -1,001.45 | -528.81 | 8.00 | 5.96 | |
| 7,200.00 | 24.63 | 339.78 | 7,071.44 | -633.21 | -1,016.31 | -494.58 | 8.00 | 7.12 | |
| 7,300.00 | 32.15 | 345.58 | 7,159.36 | -587.82 | -1,030.17 | -447.76 | 8.00 | 7.52 | |
| 7,400.00 | 39.84 | 349.35 | 7,240.22 | -530.48 | -1,042.73 | -389.27 | 8.00 | 7.69 | |
| 7,500.00 | 47.62 | 352.06 | 7,312.44 | -462.31 | -1,053.77 | -320.24 | 8.00 | 7.78 | |
| 7,600.00 | 55.44 | 354.18 | 7,374.60 | -384.64 | -1,063.06 | -242.02 | 8.00 | 7.83 | |
| 7,700.00 | 63.30 | 355.92 | 7,425.51 | -298.98 | -1,070.43 | -156.14 | 8.00 | 7.86 | |
| 7,800.00 | 71.18 | 357.44 | 7,464.17 | -206.99 | -1,075.73 | -64.25 | 8.00 | 7.88 | |
| 7,900.00 | 79.07 | 358.82 | 7,489.83 | -110.47 | -1,078.86 | 31.85 | 8.00 | 7.89 | |
| 8,000.00 | 86.96 | 0.13 | 7,501.98 | -11.30 | -1,079.75 | 130.28 | 8.00 | 7.89 | |
| 8,038.49 | 90.00 | 0.63 | 7,503.00 | 27.17 | -1,079.50 | 168.39 | 8.00 | 7.90 | KUGEL 1E-18H-H267 TPZ |
| 8,100.00 | 90.00 | 0.63 | 7,503.00 | 88.68 | -1,078.82 | 229.28 | 0.00 | 0.00 | |
| 8,200.00 | 90.00 | 0.63 | 7,503.00 | 188.67 | -1,077.73 | 328.26 | 0.00 | 0.00 | |
| 8,300.00 | 90.00 | 0.63 | 7,503.00 | 288.66 | -1,076.63 | 427.25 | 0.00 | 0.00 | |
| 8,400.00 | 90.00 | 0.63 | 7,503.00 | 388.66 | -1,075.53 | 526.24 | 0.00 | 0.00 | |
| 8,500.00 | 90.00 | 0.63 | 7,503.00 | 488.65 | -1,074.43 | 625.23 | 0.00 | 0.00 | |
| 8,600.00 | 90.00 | 0.63 | 7,503.00 | 588.65 | -1,073.34 | 724.21 | 0.00 | 0.00 | |
| 8,700.00 | 90.00 | 0.63 | 7,503.00 | 688.64 | -1,072.24 | 823.20 | 0.00 | 0.00 | |
| 8,800.00 | 90.00 | 0.63 | 7,503.00 | 788.63 | -1,071.14 | 922.19 | 0.00 | 0.00 | |
| 8,900.00 | 90.00 | 0.63 | 7,503.00 | 888.63 | -1,070.04 | 1,021.18 | 0.00 | 0.00 | |
| 9,000.00 | 90.00 | 0.63 | 7,503.00 | 988.62 | -1,068.95 | 1,120.17 | 0.00 | 0.00 | |
| 9,100.00 | 90.00 | 0.63 | 7,503.00 | 1,088.62 | -1,067.85 | 1,219.15 | 0.00 | 0.00 | |
| 9,200.00 | 90.00 | 0.63 | 7,503.00 | 1,188.61 | -1,066.75 | 1,318.14 | 0.00 | 0.00 | |
| 9,300.00 | 90.00 | 0.63 | 7,503.00 | 1,288.60 | -1,065.65 | 1,417.13 | 0.00 | 0.00 | |
| 9,400.00 | 90.00 | 0.63 | 7,503.00 | 1,388.60 | -1,064.55 | 1,516.12 | 0.00 | 0.00 | |
| 9,500.00 | 90.00 | 0.63 | 7,503.00 | 1,488.59 | -1,063.46 | 1,615.11 | 0.00 | 0.00 | |
| 9,600.00 | 90.00 | 0.63 | 7,503.00 | 1,588.58 | -1,062.36 | 1,714.09 | 0.00 | 0.00 | |
| 9,700.00 | 90.00 | 0.63 | 7,503.00 | 1,688.58 | -1,061.26 | 1,813.08 | 0.00 | 0.00 | |
| 9,800.00 | 90.00 | 0.63 | 7,503.00 | 1,788.57 | -1,060.16 | 1,912.07 | 0.00 | 0.00 | |
| 9,900.00 | 90.00 | 0.63 | 7,503.00 | 1,888.57 | -1,059.07 | 2,011.06 | 0.00 | 0.00 | |
| 10,000.00 | 90.00 | 0.63 | 7,503.00 | 1,988.56 | -1,057.97 | 2,110.05 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well KUGEL 1E-18H-H267 - Slot KUGEL 1E |
| Company: | Crestone Peak Resources | TVD Reference: | 23' KB @ 4976.00usft |
| Project: | DJ BASIN | MD Reference: | 23' KB @ 4976.00usft |
| Site: | S18-T2N-R67W (KUGEL) | North Reference: | True |
| Well: | KUGEL 1E-18H-H267 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | PLAN #2 (6.11) | | |

Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100u) | Comments / Formations |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|---------------------|-----------------------|
| 10,100.00 | 90.00 | 0.63 | 7,503.00 | 2,088.55 | -1,056.87 | 2,209.03 | 0.00 | 0.00 | |
| 10,200.00 | 90.00 | 0.63 | 7,503.00 | 2,188.55 | -1,055.77 | 2,308.02 | 0.00 | 0.00 | |
| 10,300.00 | 90.00 | 0.63 | 7,503.00 | 2,288.54 | -1,054.68 | 2,407.01 | 0.00 | 0.00 | |
| 10,400.00 | 90.00 | 0.63 | 7,503.00 | 2,388.54 | -1,053.58 | 2,506.00 | 0.00 | 0.00 | |
| 10,500.00 | 90.00 | 0.63 | 7,503.00 | 2,488.53 | -1,052.48 | 2,604.99 | 0.00 | 0.00 | |
| 10,600.00 | 90.00 | 0.63 | 7,503.00 | 2,588.52 | -1,051.38 | 2,703.97 | 0.00 | 0.00 | |
| 10,700.00 | 90.00 | 0.63 | 7,503.00 | 2,688.52 | -1,050.29 | 2,802.96 | 0.00 | 0.00 | |
| 10,800.00 | 90.00 | 0.63 | 7,503.00 | 2,788.51 | -1,049.19 | 2,901.95 | 0.00 | 0.00 | |
| 10,900.00 | 90.00 | 0.63 | 7,503.00 | 2,888.51 | -1,048.09 | 3,000.94 | 0.00 | 0.00 | |
| 11,000.00 | 90.00 | 0.63 | 7,503.00 | 2,988.50 | -1,046.99 | 3,099.93 | 0.00 | 0.00 | |
| 11,100.00 | 90.00 | 0.63 | 7,503.00 | 3,088.49 | -1,045.90 | 3,198.91 | 0.00 | 0.00 | |
| 11,200.00 | 90.00 | 0.63 | 7,503.00 | 3,188.49 | -1,044.80 | 3,297.90 | 0.00 | 0.00 | |
| 11,300.00 | 90.00 | 0.63 | 7,503.00 | 3,288.48 | -1,043.70 | 3,396.89 | 0.00 | 0.00 | |
| 11,400.00 | 90.00 | 0.63 | 7,503.00 | 3,388.48 | -1,042.60 | 3,495.88 | 0.00 | 0.00 | |
| 11,500.00 | 90.00 | 0.63 | 7,503.00 | 3,488.47 | -1,041.51 | 3,594.87 | 0.00 | 0.00 | |
| 11,600.00 | 90.00 | 0.63 | 7,503.00 | 3,588.46 | -1,040.41 | 3,693.85 | 0.00 | 0.00 | |
| 11,700.00 | 90.00 | 0.63 | 7,503.00 | 3,688.46 | -1,039.31 | 3,792.84 | 0.00 | 0.00 | |
| 11,800.00 | 90.00 | 0.63 | 7,503.00 | 3,788.45 | -1,038.21 | 3,891.83 | 0.00 | 0.00 | |
| 11,900.00 | 90.00 | 0.63 | 7,503.00 | 3,888.45 | -1,037.11 | 3,990.82 | 0.00 | 0.00 | |
| 12,000.00 | 90.00 | 0.63 | 7,503.00 | 3,988.44 | -1,036.02 | 4,089.81 | 0.00 | 0.00 | |
| 12,100.00 | 90.00 | 0.63 | 7,503.00 | 4,088.43 | -1,034.92 | 4,188.79 | 0.00 | 0.00 | |
| 12,200.00 | 90.00 | 0.63 | 7,503.00 | 4,188.43 | -1,033.82 | 4,287.78 | 0.00 | 0.00 | |
| 12,300.00 | 90.00 | 0.63 | 7,503.00 | 4,288.42 | -1,032.72 | 4,386.77 | 0.00 | 0.00 | |
| 12,400.00 | 90.00 | 0.63 | 7,503.00 | 4,388.42 | -1,031.63 | 4,485.76 | 0.00 | 0.00 | |
| 12,500.00 | 90.00 | 0.63 | 7,503.00 | 4,488.41 | -1,030.53 | 4,584.75 | 0.00 | 0.00 | |
| 12,600.00 | 90.00 | 0.63 | 7,503.00 | 4,588.40 | -1,029.43 | 4,683.73 | 0.00 | 0.00 | |
| 12,700.00 | 90.00 | 0.63 | 7,503.00 | 4,688.40 | -1,028.33 | 4,782.72 | 0.00 | 0.00 | |
| 12,800.00 | 90.00 | 0.63 | 7,503.00 | 4,788.39 | -1,027.24 | 4,881.71 | 0.00 | 0.00 | |
| 12,900.00 | 90.00 | 0.63 | 7,503.00 | 4,888.39 | -1,026.14 | 4,980.70 | 0.00 | 0.00 | |
| 13,000.00 | 90.00 | 0.63 | 7,503.00 | 4,988.38 | -1,025.04 | 5,079.69 | 0.00 | 0.00 | |
| 13,100.00 | 90.00 | 0.63 | 7,503.00 | 5,088.37 | -1,023.94 | 5,178.67 | 0.00 | 0.00 | |
| 13,200.00 | 90.00 | 0.63 | 7,503.00 | 5,188.37 | -1,022.85 | 5,277.66 | 0.00 | 0.00 | |
| 13,300.00 | 90.00 | 0.63 | 7,503.00 | 5,288.36 | -1,021.75 | 5,376.65 | 0.00 | 0.00 | |
| 13,400.00 | 90.00 | 0.63 | 7,503.00 | 5,388.36 | -1,020.65 | 5,475.64 | 0.00 | 0.00 | |
| 13,500.00 | 90.00 | 0.63 | 7,503.00 | 5,488.35 | -1,019.55 | 5,574.63 | 0.00 | 0.00 | |
| 13,600.00 | 90.00 | 0.63 | 7,503.00 | 5,588.34 | -1,018.46 | 5,673.61 | 0.00 | 0.00 | |
| 13,700.00 | 90.00 | 0.63 | 7,503.00 | 5,688.34 | -1,017.36 | 5,772.60 | 0.00 | 0.00 | |
| 13,800.00 | 90.00 | 0.63 | 7,503.00 | 5,788.33 | -1,016.26 | 5,871.59 | 0.00 | 0.00 | |
| 13,900.00 | 90.00 | 0.63 | 7,503.00 | 5,888.33 | -1,015.16 | 5,970.58 | 0.00 | 0.00 | |
| 14,000.00 | 90.00 | 0.63 | 7,503.00 | 5,988.32 | -1,014.07 | 6,069.57 | 0.00 | 0.00 | |
| 14,100.00 | 90.00 | 0.63 | 7,503.00 | 6,088.31 | -1,012.97 | 6,168.55 | 0.00 | 0.00 | |
| 14,200.00 | 90.00 | 0.63 | 7,503.00 | 6,188.31 | -1,011.87 | 6,267.54 | 0.00 | 0.00 | |
| 14,300.00 | 90.00 | 0.63 | 7,503.00 | 6,288.30 | -1,010.77 | 6,366.53 | 0.00 | 0.00 | |
| 14,400.00 | 90.00 | 0.63 | 7,503.00 | 6,388.30 | -1,009.67 | 6,465.52 | 0.00 | 0.00 | |
| 14,500.00 | 90.00 | 0.63 | 7,503.00 | 6,488.29 | -1,008.58 | 6,564.51 | 0.00 | 0.00 | |
| 14,600.00 | 90.00 | 0.63 | 7,503.00 | 6,588.28 | -1,007.48 | 6,663.49 | 0.00 | 0.00 | |
| 14,700.00 | 90.00 | 0.63 | 7,503.00 | 6,688.28 | -1,006.38 | 6,762.48 | 0.00 | 0.00 | |
| 14,800.00 | 90.00 | 0.63 | 7,503.00 | 6,788.27 | -1,005.28 | 6,861.47 | 0.00 | 0.00 | |
| 14,900.00 | 90.00 | 0.63 | 7,503.00 | 6,888.27 | -1,004.19 | 6,960.46 | 0.00 | 0.00 | |
| 15,000.00 | 90.00 | 0.63 | 7,503.00 | 6,988.26 | -1,003.09 | 7,059.44 | 0.00 | 0.00 | |
| 15,100.00 | 90.00 | 0.63 | 7,503.00 | 7,088.25 | -1,001.99 | 7,158.43 | 0.00 | 0.00 | |
| 15,200.00 | 90.00 | 0.63 | 7,503.00 | 7,188.25 | -1,000.89 | 7,257.42 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well KUGEL 1E-18H-H267 - Slot KUGEL 1E |
| Company: | Crestone Peak Resources | TVD Reference: | 23' KB @ 4976.00usft |
| Project: | DJ BASIN | MD Reference: | 23' KB @ 4976.00usft |
| Site: | S18-T2N-R67W (KUGEL) | North Reference: | True |
| Well: | KUGEL 1E-18H-H267 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | PLAN #2 (6.11) | | |

| Planned Survey | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|---------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100u) | Comments / Formations |
| 15,300.00 | 90.00 | 0.63 | 7,503.00 | 7,288.24 | -999.80 | 7,356.41 | 0.00 | 0.00 | |
| 15,400.00 | 90.00 | 0.63 | 7,503.00 | 7,388.24 | -998.70 | 7,455.40 | 0.00 | 0.00 | |
| 15,500.00 | 90.00 | 0.63 | 7,503.00 | 7,488.23 | -997.60 | 7,554.38 | 0.00 | 0.00 | |
| 15,554.78 | 90.00 | 0.63 | 7,503.00 | 7,543.00 | -997.00 | 7,608.61 | 0.00 | 0.00 | KUGEL 1E-18H-H267 BHL |

| 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 | | | | | | | | | |
| KUGEL 1E-18H-H267 TI | 0.00 | 0.00 | 7,503.00 | 27.17 | -1,079.50 | 1,294,280.68 | 3,159,270.22 | 40.139790 | -104.930318 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| KUGEL 1E-18H-H267 B | 0.00 | 0.00 | 7,503.00 | 7,543.00 | -997.00 | 1,301,796.89 | 3,159,304.10 | 40.160422 | -104.930024 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |