

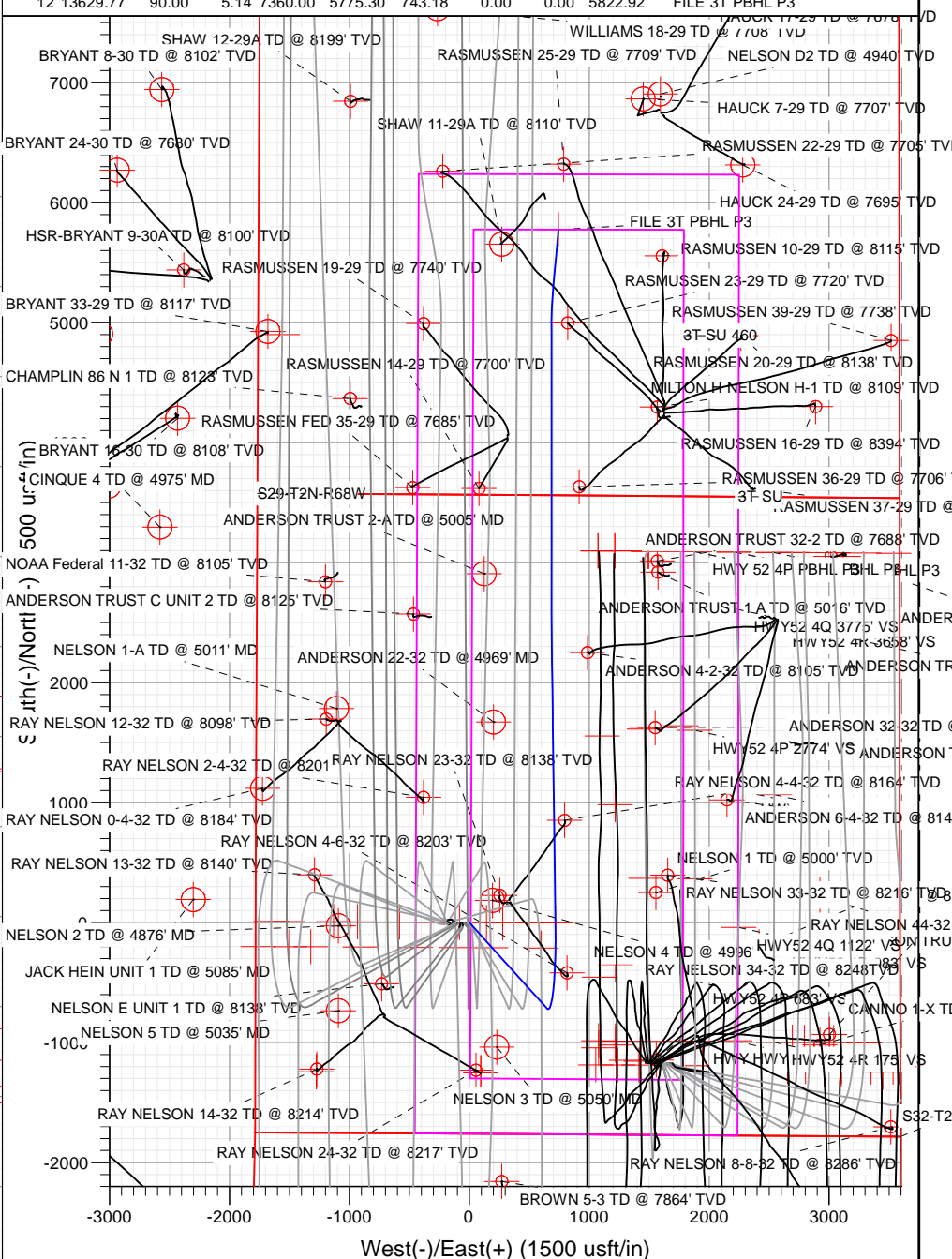
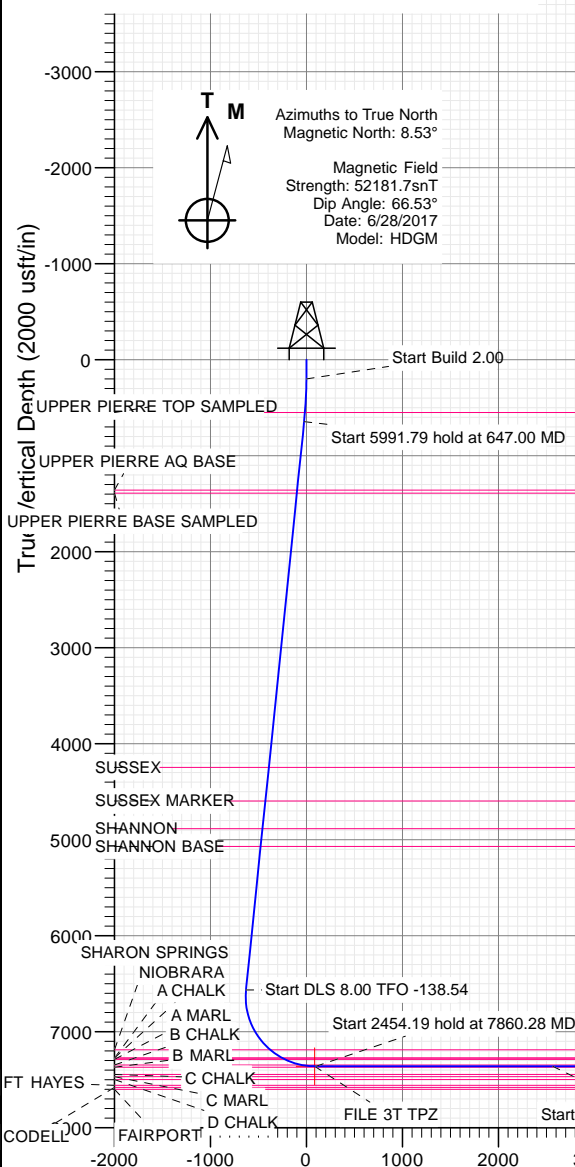


| SECTION DETAILS | | | | | | | | | | |
|-----------------|----------|-------|--------|---------|---------|--------|------|---------|---------|-----------------|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Target |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 647.00 | 8.94 | 137.89 | 645.19 | -25.82 | 23.34 | 2.00 | 137.89 | -22.63 | |
| 4 | 6638.80 | 8.94 | 137.89 | 6564.19 | -716.57 | 647.73 | 0.00 | 0.00 | -628.04 | |
| 5 | 7847.84 | 90.00 | 359.00 | 7360.00 | -3.97 | 717.62 | 8.00 | -138.54 | 87.65 | FILE 3T TPZ |
| 6 | 7860.28 | 90.00 | 359.25 | 7360.00 | 8.46 | 717.43 | 2.00 | 90.00 | 99.96 | |
| 7 | 10314.46 | 90.00 | 359.25 | 7360.00 | 2462.44 | 685.25 | 0.00 | 0.00 | 2529.76 | |
| 8 | 10352.03 | 90.00 | 0.00 | 7360.00 | 2500.00 | 685.00 | 2.00 | 90.00 | 2566.98 | |
| 9 | 10852.03 | 90.00 | 0.00 | 7360.00 | 3000.00 | 685.00 | 0.00 | 0.00 | 3062.89 | |
| 10 | 12852.03 | 90.00 | 0.00 | 7360.00 | 5000.00 | 685.00 | 0.00 | 0.00 | 5046.54 | |
| 11 | 13109.09 | 90.00 | 5.14 | 7360.00 | 5256.72 | 696.53 | 2.00 | 90.00 | 5302.63 | |
| 12 | 13629.77 | 90.00 | 5.14 | 7360.00 | 5775.30 | 743.18 | 0.00 | 0.00 | 5822.92 | FILE 3T PBHL P3 |

PLAN #2
FILE 3T-32H-K268
23' KB @ 4993.00usft
Ground Level @ 4970.00
North American Datum 1983
Well FILE 3T-32H-K268, True North

| Type TD | Target No Target (Freehand) | Azimuth 7.33 | Origin Type Slot | N/S 0.00 | E/W 0.00 | From TVD 0.00 |
|-----------------|--------------------------------|-----------------|---------------------|-------------|-------------|------------------|
| Name | TVD | +N/-S | +E/-W | Latitude | | Longitude |
| FILE 3T PBHL | 7360.00 | 11032.21 | 768.48 | 40.122858 | | -105.027791 |
| FILE 3T PBHL P3 | 7360.00 | 5775.30 | 743.18 | 40.108427 | | -105.027882 |
| FILE 3T TPZ | 7360.00 | -3.97 | 717.62 | 40.092562 | | -105.027974 |

Project: DJ BASIN
Site: S32-T2N-R68W
Well: FILE 3T-32H-K268
Wellbore: OH
Design: PLAN #2



Vertical Section at 7.33° (2000 usft/in)

WELL DETAILS: FILE 3T-32H-K268

| | | | | | |
|-------|-------|------------|------------|-----------|-------------|
| | | | 4970.00 | | |
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| 0.00 | 0.00 | 1276916.57 | 3131342.04 | 40.092573 | -105.030539 |



CATHEDRAL



Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well FILE 3T-32H-K268 |
| Company: | Crestone Peak Resources | TVD Reference: | 23' KB @ 4993.00usft |
| Project: | DJ BASIN | MD Reference: | 23' KB @ 4993.00usft |
| Site: | S32-T2N-R68W | North Reference: | True |
| Well: | FILE 3T-32H-K268 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | PLAN #2 | | |

| | | | |
|-------------|---------------------------|---------------|----------------|
| 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 | | S32-T2N-R68W | | | |
| Site Position: | | Northing: | 1,275,752.56 usft | Latitude: | 40.089356 |
| From: | Lat/Long | Easting: | 3,132,818.22 usft | Longitude: | -105.025285 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | 0.31 ° |

| | | | | | | |
|----------------------|------------------|-----------|---------------------|-------------------|---------------|---------------|
| Well | FILE 3T-32H-K268 | | | | | |
| Well Position | +N/-S | 0.00 usft | Northing: | 1,276,916.57 usft | Latitude: | 40.092573 |
| | +E/-W | 0.00 usft | Easting: | 3,131,342.04 usft | Longitude: | -105.030539 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | usft | Ground Level: | 4,970.00 usft |

| | | | | | |
|-----------|------------|-------------|--------------------|------------------|------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 6/28/2017 | 8.53 | 66.53 | 52,181.70000000 |

| | | | | |
|-------------------|----------------------------|-----------------|-----------------|--------------------|
| Design | | PLAN #2 | | |
| 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 | 7.33 |

| Plan Sections | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|-----------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 647.00 | 8.94 | 137.89 | 645.19 | -25.82 | 23.34 | 2.00 | 2.00 | 0.00 | 137.89 | |
| 6,638.80 | 8.94 | 137.89 | 6,564.19 | -716.57 | 647.73 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,847.84 | 90.00 | 359.00 | 7,360.00 | -3.97 | 717.62 | 8.00 | 6.70 | -11.49 | -138.54 | FILE 3T TPZ |
| 7,860.28 | 90.00 | 359.25 | 7,360.00 | 8.46 | 717.43 | 2.00 | 0.00 | 2.00 | 90.00 | |
| 10,314.46 | 90.00 | 359.25 | 7,360.00 | 2,462.44 | 685.25 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10,352.03 | 90.00 | 0.00 | 7,360.00 | 2,500.00 | 685.00 | 2.00 | 0.00 | 2.00 | 90.00 | |
| 10,852.03 | 90.00 | 0.00 | 7,360.00 | 3,000.00 | 685.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 12,852.03 | 90.00 | 0.00 | 7,360.00 | 5,000.00 | 685.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 13,109.09 | 90.00 | 5.14 | 7,360.00 | 5,256.72 | 696.53 | 2.00 | 0.00 | 2.00 | 90.00 | |
| 13,629.77 | 90.00 | 5.14 | 7,360.00 | 5,775.30 | 743.18 | 0.00 | 0.00 | 0.00 | 0.00 | FILE 3T PBHL P3 |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well FILE 3T-32H-K268 |
| Company: | Crestone Peak Resources | TVD Reference: | 23' KB @ 4993.00usft |
| Project: | DJ BASIN | MD Reference: | 23' KB @ 4993.00usft |
| Site: | S32-T2N-R68W | North Reference: | True |
| Well: | FILE 3T-32H-K268 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | PLAN #2 | | |

| 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 | Start Build 2.00 |
| 300.00 | 2.00 | 137.89 | 299.98 | -1.29 | 1.17 | -1.13 | 2.00 | 2.00 | |
| 400.00 | 4.00 | 137.89 | 399.84 | -5.18 | 4.68 | -4.54 | 2.00 | 2.00 | |
| 500.00 | 6.00 | 137.89 | 499.45 | -11.64 | 10.52 | -10.20 | 2.00 | 2.00 | |
| 550.88 | 7.02 | 137.89 | 550.00 | -15.92 | 14.39 | -13.95 | 2.00 | 2.00 | UPPER PIERRE TOP SAMPLED |
| 600.00 | 8.00 | 137.89 | 598.70 | -20.68 | 18.70 | -18.13 | 2.00 | 2.00 | |
| 647.00 | 8.94 | 137.89 | 645.19 | -25.82 | 23.34 | -22.63 | 2.00 | 2.00 | Start 5991.79 hold at 647.00 MD |
| 700.00 | 8.94 | 137.89 | 697.54 | -31.93 | 28.86 | -27.98 | 0.00 | 0.00 | |
| 800.00 | 8.94 | 137.89 | 796.33 | -43.46 | 39.28 | -38.09 | 0.00 | 0.00 | |
| 900.00 | 8.94 | 137.89 | 895.11 | -54.98 | 49.70 | -48.19 | 0.00 | 0.00 | |
| 1,000.00 | 8.94 | 137.89 | 993.90 | -66.51 | 60.12 | -58.30 | 0.00 | 0.00 | |
| 1,100.00 | 8.94 | 137.89 | 1,092.69 | -78.04 | 70.54 | -68.40 | 0.00 | 0.00 | |
| 1,200.00 | 8.94 | 137.89 | 1,191.47 | -89.57 | 80.96 | -78.50 | 0.00 | 0.00 | |
| 1,300.00 | 8.94 | 137.89 | 1,290.26 | -101.10 | 91.39 | -88.61 | 0.00 | 0.00 | |
| 1,369.59 | 8.94 | 137.89 | 1,359.00 | -109.12 | 98.64 | -95.64 | 0.00 | 0.00 | UPPER PIERRE AQ BASE |
| 1,400.00 | 8.94 | 137.89 | 1,389.04 | -112.63 | 101.81 | -98.71 | 0.00 | 0.00 | |
| 1,400.97 | 8.94 | 137.89 | 1,390.00 | -112.74 | 101.91 | -98.81 | 0.00 | 0.00 | UPPER PIERRE BASE SAMPLED |
| 1,500.00 | 8.94 | 137.89 | 1,487.83 | -124.15 | 112.23 | -108.82 | 0.00 | 0.00 | |
| 1,600.00 | 8.94 | 137.89 | 1,586.61 | -135.68 | 122.65 | -118.92 | 0.00 | 0.00 | |
| 1,700.00 | 8.94 | 137.89 | 1,685.40 | -147.21 | 133.07 | -129.02 | 0.00 | 0.00 | |
| 1,800.00 | 8.94 | 137.89 | 1,784.18 | -158.74 | 143.49 | -139.13 | 0.00 | 0.00 | |
| 1,900.00 | 8.94 | 137.89 | 1,882.97 | -170.27 | 153.91 | -149.23 | 0.00 | 0.00 | |
| 2,000.00 | 8.94 | 137.89 | 1,981.75 | -181.80 | 164.33 | -159.34 | 0.00 | 0.00 | |
| 2,100.00 | 8.94 | 137.89 | 2,080.54 | -193.32 | 174.75 | -169.44 | 0.00 | 0.00 | |
| 2,200.00 | 8.94 | 137.89 | 2,179.32 | -204.85 | 185.17 | -179.54 | 0.00 | 0.00 | |
| 2,300.00 | 8.94 | 137.89 | 2,278.11 | -216.38 | 195.59 | -189.65 | 0.00 | 0.00 | |
| 2,400.00 | 8.94 | 137.89 | 2,376.89 | -227.91 | 206.01 | -199.75 | 0.00 | 0.00 | |
| 2,500.00 | 8.94 | 137.89 | 2,475.68 | -239.44 | 216.43 | -209.86 | 0.00 | 0.00 | |
| 2,600.00 | 8.94 | 137.89 | 2,574.46 | -250.97 | 226.86 | -219.96 | 0.00 | 0.00 | |
| 2,700.00 | 8.94 | 137.89 | 2,673.25 | -262.49 | 237.28 | -230.06 | 0.00 | 0.00 | |
| 2,800.00 | 8.94 | 137.89 | 2,772.03 | -274.02 | 247.70 | -240.17 | 0.00 | 0.00 | |
| 2,900.00 | 8.94 | 137.89 | 2,870.82 | -285.55 | 258.12 | -250.27 | 0.00 | 0.00 | |
| 3,000.00 | 8.94 | 137.89 | 2,969.60 | -297.08 | 268.54 | -260.38 | 0.00 | 0.00 | |
| 3,100.00 | 8.94 | 137.89 | 3,068.39 | -308.61 | 278.96 | -270.48 | 0.00 | 0.00 | |
| 3,200.00 | 8.94 | 137.89 | 3,167.17 | -320.14 | 289.38 | -280.58 | 0.00 | 0.00 | |
| 3,300.00 | 8.94 | 137.89 | 3,265.96 | -331.66 | 299.80 | -290.69 | 0.00 | 0.00 | |
| 3,400.00 | 8.94 | 137.89 | 3,364.74 | -343.19 | 310.22 | -300.79 | 0.00 | 0.00 | |
| 3,500.00 | 8.94 | 137.89 | 3,463.53 | -354.72 | 320.64 | -310.90 | 0.00 | 0.00 | |
| 3,600.00 | 8.94 | 137.89 | 3,562.31 | -366.25 | 331.06 | -321.00 | 0.00 | 0.00 | |
| 3,700.00 | 8.94 | 137.89 | 3,661.10 | -377.78 | 341.48 | -331.10 | 0.00 | 0.00 | |
| 3,800.00 | 8.94 | 137.89 | 3,759.88 | -389.31 | 351.90 | -341.21 | 0.00 | 0.00 | |
| 3,900.00 | 8.94 | 137.89 | 3,858.67 | -400.83 | 362.33 | -351.31 | 0.00 | 0.00 | |
| 4,000.00 | 8.94 | 137.89 | 3,957.45 | -412.36 | 372.75 | -361.42 | 0.00 | 0.00 | |
| 4,100.00 | 8.94 | 137.89 | 4,056.24 | -423.89 | 383.17 | -371.52 | 0.00 | 0.00 | |
| 4,200.00 | 8.94 | 137.89 | 4,155.02 | -435.42 | 393.59 | -381.62 | 0.00 | 0.00 | |
| 4,293.11 | 8.94 | 137.89 | 4,247.00 | -446.15 | 403.29 | -391.03 | 0.00 | 0.00 | SUSSEX |
| 4,300.00 | 8.94 | 137.89 | 4,253.81 | -446.95 | 404.01 | -391.73 | 0.00 | 0.00 | |
| 4,400.00 | 8.94 | 137.89 | 4,352.60 | -458.48 | 414.43 | -401.83 | 0.00 | 0.00 | |
| 4,500.00 | 8.94 | 137.89 | 4,451.38 | -470.00 | 424.85 | -411.94 | 0.00 | 0.00 | |
| 4,600.00 | 8.94 | 137.89 | 4,550.17 | -481.53 | 435.27 | -422.04 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well FILE 3T-32H-K268 |
| Company: | Crestone Peak Resources | TVD Reference: | 23' KB @ 4993.00usft |
| Project: | DJ BASIN | MD Reference: | 23' KB @ 4993.00usft |
| Site: | S32-T2N-R68W | North Reference: | True |
| Well: | FILE 3T-32H-K268 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | PLAN #2 | | |

| 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 |
| 4,647.41 | 8.94 | 137.89 | 4,597.00 | -487.00 | 440.21 | -426.83 | 0.00 | 0.00 | SUSSEX MARKER |
| 4,700.00 | 8.94 | 137.89 | 4,648.95 | -493.06 | 445.69 | -432.14 | 0.00 | 0.00 | |
| 4,800.00 | 8.94 | 137.89 | 4,747.74 | -504.59 | 456.11 | -442.25 | 0.00 | 0.00 | |
| 4,900.00 | 8.94 | 137.89 | 4,846.52 | -516.12 | 466.53 | -452.35 | 0.00 | 0.00 | |
| 4,937.94 | 8.94 | 137.89 | 4,884.00 | -520.49 | 470.49 | -456.19 | 0.00 | 0.00 | SHANNON |
| 5,000.00 | 8.94 | 137.89 | 4,945.31 | -527.65 | 476.95 | -462.46 | 0.00 | 0.00 | |
| 5,100.00 | 8.94 | 137.89 | 5,044.09 | -539.17 | 487.37 | -472.56 | 0.00 | 0.00 | |
| 5,126.23 | 8.94 | 137.89 | 5,070.00 | -542.20 | 490.11 | -475.21 | 0.00 | 0.00 | SHANNON BASE |
| 5,200.00 | 8.94 | 137.89 | 5,142.88 | -550.70 | 497.80 | -482.66 | 0.00 | 0.00 | |
| 5,300.00 | 8.94 | 137.89 | 5,241.66 | -562.23 | 508.22 | -492.77 | 0.00 | 0.00 | |
| 5,400.00 | 8.94 | 137.89 | 5,340.45 | -573.76 | 518.64 | -502.87 | 0.00 | 0.00 | |
| 5,500.00 | 8.94 | 137.89 | 5,439.23 | -585.29 | 529.06 | -512.98 | 0.00 | 0.00 | |
| 5,600.00 | 8.94 | 137.89 | 5,538.02 | -596.82 | 539.48 | -523.08 | 0.00 | 0.00 | |
| 5,700.00 | 8.94 | 137.89 | 5,636.80 | -608.34 | 549.90 | -533.18 | 0.00 | 0.00 | |
| 5,800.00 | 8.94 | 137.89 | 5,735.59 | -619.87 | 560.32 | -543.29 | 0.00 | 0.00 | |
| 5,900.00 | 8.94 | 137.89 | 5,834.37 | -631.40 | 570.74 | -553.39 | 0.00 | 0.00 | |
| 6,000.00 | 8.94 | 137.89 | 5,933.16 | -642.93 | 581.16 | -563.50 | 0.00 | 0.00 | |
| 6,100.00 | 8.94 | 137.89 | 6,031.94 | -654.46 | 591.58 | -573.60 | 0.00 | 0.00 | |
| 6,200.00 | 8.94 | 137.89 | 6,130.73 | -665.99 | 602.00 | -583.70 | 0.00 | 0.00 | |
| 6,300.00 | 8.94 | 137.89 | 6,229.51 | -677.51 | 612.42 | -593.81 | 0.00 | 0.00 | |
| 6,400.00 | 8.94 | 137.89 | 6,328.30 | -689.04 | 622.84 | -603.91 | 0.00 | 0.00 | |
| 6,500.00 | 8.94 | 137.89 | 6,427.08 | -700.57 | 633.27 | -614.02 | 0.00 | 0.00 | |
| 6,600.00 | 8.94 | 137.89 | 6,525.87 | -712.10 | 643.69 | -624.12 | 0.00 | 0.00 | |
| 6,638.80 | 8.94 | 137.89 | 6,564.19 | -716.57 | 647.73 | -628.04 | 0.00 | 0.00 | Start DLS 8.00 TFO -138.54 |
| 6,700.00 | 6.18 | 106.23 | 6,624.88 | -721.02 | 654.09 | -631.64 | 8.00 | -4.51 | |
| 6,800.00 | 8.53 | 42.57 | 6,724.20 | -717.06 | 664.29 | -626.41 | 8.00 | 2.35 | |
| 6,900.00 | 15.33 | 21.17 | 6,822.03 | -699.24 | 674.10 | -607.48 | 8.00 | 6.80 | |
| 7,000.00 | 22.91 | 13.17 | 6,916.46 | -667.91 | 683.32 | -575.23 | 8.00 | 7.58 | |
| 7,100.00 | 30.69 | 9.04 | 7,005.66 | -623.68 | 691.78 | -530.29 | 8.00 | 7.78 | |
| 7,200.00 | 38.56 | 6.46 | 7,087.89 | -567.42 | 699.30 | -473.53 | 8.00 | 7.87 | |
| 7,300.00 | 46.46 | 4.64 | 7,161.55 | -500.21 | 705.75 | -406.05 | 8.00 | 7.91 | |
| 7,341.11 | 49.72 | 4.03 | 7,189.00 | -469.71 | 708.06 | -375.50 | 8.00 | 7.92 | SHARON SPRINGS |
| 7,400.00 | 54.39 | 3.25 | 7,225.20 | -423.38 | 710.99 | -329.17 | 8.00 | 7.93 | |
| 7,490.19 | 61.55 | 2.21 | 7,273.00 | -347.05 | 714.61 | -253.01 | 8.00 | 7.94 | A CHALK |
| 7,494.41 | 61.89 | 2.17 | 7,275.00 | -343.34 | 714.75 | -249.31 | 8.00 | 7.95 | NIOBRARA |
| 7,500.00 | 62.33 | 2.11 | 7,277.62 | -338.40 | 714.93 | -244.38 | 8.00 | 7.95 | |
| 7,525.37 | 64.35 | 1.85 | 7,289.00 | -315.74 | 715.72 | -221.81 | 8.00 | 7.95 | A MARL |
| 7,600.00 | 70.28 | 1.12 | 7,317.77 | -246.94 | 717.49 | -153.34 | 8.00 | 7.95 | |
| 7,700.00 | 78.24 | 0.23 | 7,344.88 | -150.77 | 718.62 | -57.82 | 8.00 | 7.95 | |
| 7,710.81 | 79.10 | 0.14 | 7,347.00 | -140.17 | 718.65 | -47.30 | 8.00 | 7.96 | B CHALK |
| 7,800.00 | 86.19 | 359.39 | 7,358.41 | -51.78 | 718.29 | 40.32 | 8.00 | 7.96 | |
| 7,847.84 | 90.00 | 359.00 | 7,360.00 | -3.97 | 717.62 | 87.65 | 8.00 | 7.96 | Start DLS 2.00 TFO 90.00 |
| 7,860.28 | 90.00 | 359.25 | 7,360.00 | 8.46 | 717.43 | 99.96 | 2.00 | 0.00 | Start 2454.19 hold at 7860.28 MD |
| 7,900.00 | 90.00 | 359.25 | 7,360.00 | 48.18 | 716.91 | 139.28 | 0.00 | 0.00 | |
| 8,000.00 | 90.00 | 359.25 | 7,360.00 | 148.17 | 715.60 | 238.29 | 0.00 | 0.00 | |
| 8,100.00 | 90.00 | 359.25 | 7,360.00 | 248.16 | 714.29 | 337.30 | 0.00 | 0.00 | |
| 8,200.00 | 90.00 | 359.25 | 7,360.00 | 348.15 | 712.97 | 436.30 | 0.00 | 0.00 | |
| 8,300.00 | 90.00 | 359.25 | 7,360.00 | 448.14 | 711.66 | 535.31 | 0.00 | 0.00 | |
| 8,400.00 | 90.00 | 359.25 | 7,360.00 | 548.14 | 710.35 | 634.32 | 0.00 | 0.00 | |
| 8,500.00 | 90.00 | 359.25 | 7,360.00 | 648.13 | 709.04 | 733.32 | 0.00 | 0.00 | |
| 8,600.00 | 90.00 | 359.25 | 7,360.00 | 748.12 | 707.73 | 832.33 | 0.00 | 0.00 | |
| 8,700.00 | 90.00 | 359.25 | 7,360.00 | 848.11 | 706.42 | 931.33 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well FILE 3T-32H-K268 |
| Company: | Crestone Peak Resources | TVD Reference: | 23' KB @ 4993.00usft |
| Project: | DJ BASIN | MD Reference: | 23' KB @ 4993.00usft |
| Site: | S32-T2N-R68W | North Reference: | True |
| Well: | FILE 3T-32H-K268 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | PLAN #2 | | |

| 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 |
| 8,800.00 | 90.00 | 359.25 | 7,360.00 | 948.10 | 705.11 | 1,030.34 | 0.00 | 0.00 | |
| 8,900.00 | 90.00 | 359.25 | 7,360.00 | 1,048.09 | 703.79 | 1,129.35 | 0.00 | 0.00 | |
| 9,000.00 | 90.00 | 359.25 | 7,360.00 | 1,148.08 | 702.48 | 1,228.35 | 0.00 | 0.00 | |
| 9,100.00 | 90.00 | 359.25 | 7,360.00 | 1,248.08 | 701.17 | 1,327.36 | 0.00 | 0.00 | |
| 9,200.00 | 90.00 | 359.25 | 7,360.00 | 1,348.07 | 699.86 | 1,426.37 | 0.00 | 0.00 | |
| 9,300.00 | 90.00 | 359.25 | 7,360.00 | 1,448.06 | 698.55 | 1,525.37 | 0.00 | 0.00 | |
| 9,400.00 | 90.00 | 359.25 | 7,360.00 | 1,548.05 | 697.24 | 1,624.38 | 0.00 | 0.00 | |
| 9,500.00 | 90.00 | 359.25 | 7,360.00 | 1,648.04 | 695.93 | 1,723.39 | 0.00 | 0.00 | |
| 9,600.00 | 90.00 | 359.25 | 7,360.00 | 1,748.03 | 694.62 | 1,822.39 | 0.00 | 0.00 | |
| 9,700.00 | 90.00 | 359.25 | 7,360.00 | 1,848.02 | 693.30 | 1,921.40 | 0.00 | 0.00 | |
| 9,800.00 | 90.00 | 359.25 | 7,360.00 | 1,948.02 | 691.99 | 2,020.40 | 0.00 | 0.00 | |
| 9,900.00 | 90.00 | 359.25 | 7,360.00 | 2,048.01 | 690.68 | 2,119.41 | 0.00 | 0.00 | |
| 10,000.00 | 90.00 | 359.25 | 7,360.00 | 2,148.00 | 689.37 | 2,218.42 | 0.00 | 0.00 | |
| 10,100.00 | 90.00 | 359.25 | 7,360.00 | 2,247.99 | 688.06 | 2,317.42 | 0.00 | 0.00 | |
| 10,200.00 | 90.00 | 359.25 | 7,360.00 | 2,347.98 | 686.75 | 2,416.43 | 0.00 | 0.00 | |
| 10,300.00 | 90.00 | 359.25 | 7,360.00 | 2,447.97 | 685.44 | 2,515.44 | 0.00 | 0.00 | |
| 10,314.46 | 90.00 | 359.25 | 7,360.00 | 2,462.44 | 685.25 | 2,529.76 | 0.00 | 0.00 | Start DLS 2.00 TFO 90.00 |
| 10,352.03 | 90.00 | 0.00 | 7,360.00 | 2,500.00 | 685.00 | 2,566.98 | 2.00 | 0.00 | Start 500.00 hold at 10352.03 MD |
| 10,400.00 | 90.00 | 0.00 | 7,360.00 | 2,547.97 | 685.00 | 2,614.56 | 0.00 | 0.00 | |
| 10,500.00 | 90.00 | 0.00 | 7,360.00 | 2,647.97 | 685.00 | 2,713.74 | 0.00 | 0.00 | |
| 10,600.00 | 90.00 | 0.00 | 7,360.00 | 2,747.97 | 685.00 | 2,812.92 | 0.00 | 0.00 | |
| 10,700.00 | 90.00 | 0.00 | 7,360.00 | 2,847.97 | 685.00 | 2,912.11 | 0.00 | 0.00 | |
| 10,800.00 | 90.00 | 0.00 | 7,360.00 | 2,947.97 | 685.00 | 3,011.29 | 0.00 | 0.00 | |
| 10,852.03 | 90.00 | 0.00 | 7,360.00 | 3,000.00 | 685.00 | 3,062.89 | 0.00 | 0.00 | Start 2000.00 hold at 10852.03 MD |
| 10,900.00 | 90.00 | 0.00 | 7,360.00 | 3,047.97 | 685.00 | 3,110.47 | 0.00 | 0.00 | |
| 11,000.00 | 90.00 | 0.00 | 7,360.00 | 3,147.97 | 685.00 | 3,209.65 | 0.00 | 0.00 | |
| 11,100.00 | 90.00 | 0.00 | 7,360.00 | 3,247.97 | 685.00 | 3,308.83 | 0.00 | 0.00 | |
| 11,200.00 | 90.00 | 0.00 | 7,360.00 | 3,347.97 | 685.00 | 3,408.02 | 0.00 | 0.00 | |
| 11,300.00 | 90.00 | 0.00 | 7,360.00 | 3,447.97 | 685.00 | 3,507.20 | 0.00 | 0.00 | |
| 11,400.00 | 90.00 | 0.00 | 7,360.00 | 3,547.97 | 685.00 | 3,606.38 | 0.00 | 0.00 | |
| 11,500.00 | 90.00 | 0.00 | 7,360.00 | 3,647.97 | 685.00 | 3,705.56 | 0.00 | 0.00 | |
| 11,600.00 | 90.00 | 0.00 | 7,360.00 | 3,747.97 | 685.00 | 3,804.75 | 0.00 | 0.00 | |
| 11,700.00 | 90.00 | 0.00 | 7,360.00 | 3,847.97 | 685.00 | 3,903.93 | 0.00 | 0.00 | |
| 11,800.00 | 90.00 | 0.00 | 7,360.00 | 3,947.97 | 685.00 | 4,003.11 | 0.00 | 0.00 | |
| 11,900.00 | 90.00 | 0.00 | 7,360.00 | 4,047.97 | 685.00 | 4,102.29 | 0.00 | 0.00 | |
| 12,000.00 | 90.00 | 0.00 | 7,360.00 | 4,147.97 | 685.00 | 4,201.47 | 0.00 | 0.00 | |
| 12,100.00 | 90.00 | 0.00 | 7,360.00 | 4,247.97 | 685.00 | 4,300.66 | 0.00 | 0.00 | |
| 12,200.00 | 90.00 | 0.00 | 7,360.00 | 4,347.97 | 685.00 | 4,399.84 | 0.00 | 0.00 | |
| 12,300.00 | 90.00 | 0.00 | 7,360.00 | 4,447.97 | 685.00 | 4,499.02 | 0.00 | 0.00 | |
| 12,400.00 | 90.00 | 0.00 | 7,360.00 | 4,547.97 | 685.00 | 4,598.20 | 0.00 | 0.00 | |
| 12,500.00 | 90.00 | 0.00 | 7,360.00 | 4,647.97 | 685.00 | 4,697.39 | 0.00 | 0.00 | |
| 12,600.00 | 90.00 | 0.00 | 7,360.00 | 4,747.97 | 685.00 | 4,796.57 | 0.00 | 0.00 | |
| 12,700.00 | 90.00 | 0.00 | 7,360.00 | 4,847.97 | 685.00 | 4,895.75 | 0.00 | 0.00 | |
| 12,800.00 | 90.00 | 0.00 | 7,360.00 | 4,947.97 | 685.00 | 4,994.93 | 0.00 | 0.00 | |
| 12,852.03 | 90.00 | 0.00 | 7,360.00 | 5,000.00 | 685.00 | 5,046.54 | 0.00 | 0.00 | Start DLS 2.00 TFO 90.00 |
| 12,900.00 | 90.00 | 0.96 | 7,360.00 | 5,047.97 | 685.40 | 5,094.16 | 2.00 | 0.00 | |
| 13,000.00 | 90.00 | 2.96 | 7,360.00 | 5,147.90 | 688.82 | 5,193.72 | 2.00 | 0.00 | |
| 13,100.00 | 90.00 | 4.96 | 7,360.00 | 5,247.66 | 695.73 | 5,293.54 | 2.00 | 0.00 | |
| 13,109.09 | 90.00 | 5.14 | 7,360.00 | 5,256.72 | 696.53 | 5,302.63 | 2.00 | 0.00 | Start 520.67 hold at 13109.09 MD |
| 13,200.00 | 90.00 | 5.14 | 7,360.00 | 5,347.26 | 704.67 | 5,393.47 | 0.00 | 0.00 | |
| 13,300.00 | 90.00 | 5.14 | 7,360.00 | 5,446.86 | 713.63 | 5,493.39 | 0.00 | 0.00 | |
| 13,400.00 | 90.00 | 5.14 | 7,360.00 | 5,546.46 | 722.59 | 5,593.32 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well FILE 3T-32H-K268 |
| Company: | Crestone Peak Resources | TVD Reference: | 23' KB @ 4993.00usft |
| Project: | DJ BASIN | MD Reference: | 23' KB @ 4993.00usft |
| Site: | S32-T2N-R68W | North Reference: | True |
| Well: | FILE 3T-32H-K268 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | PLAN #2 | | |

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 |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|---------------------|-----------------------|
| 13,500.00 | 90.00 | 5.14 | 7,360.00 | 5,646.05 | 731.56 | 5,693.25 | 0.00 | 0.00 | |
| 13,600.00 | 90.00 | 5.14 | 7,360.00 | 5,745.65 | 740.52 | 5,793.17 | 0.00 | 0.00 | |
| 13,629.77 | 90.00 | 5.14 | 7,360.00 | 5,775.30 | 743.18 | 5,822.92 | 0.00 | 0.00 | TD at 13629.77 |

Targets

| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|---|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|
| FILE 3T PBHL - plan misses target center by 5256.97usft at 13629.77usft MD (7360.00 TVD, 5775.30 N, 743.18 E) - Point | 0.00 | 0.00 | 7,360.00 | 11,032.21 | 768.48 | 1,287,952.69 | 3,132,052.10 | 40.122858 | -105.027791 |
| FILE 3T PBHL P3 - plan hits target center - Point | 0.00 | 0.00 | 7,360.00 | 5,775.30 | 743.18 | 1,282,695.73 | 3,132,054.64 | 40.108427 | -105.027882 |
| FILE 3T TPZ - plan hits target center - Point | 0.00 | 0.00 | 7,360.00 | -3.97 | 717.62 | 1,276,916.40 | 3,132,059.67 | 40.092562 | -105.027974 |

Formations

| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|-----------------------|-----------------------|---------------------------|-----------|---------|-------------------|
| 550.88 | 550.00 | UPPER PIERRE TOP SAMPLED | | | |
| 1,369.59 | 1,359.00 | UPPER PIERRE AQ BASE | | | |
| 1,400.97 | 1,390.00 | UPPER PIERRE BASE SAMPLED | | | |
| 4,293.11 | 4,247.00 | SUSSEX | | | |
| 4,647.41 | 4,597.00 | SUSSEX MARKER | | | |
| 4,937.94 | 4,884.00 | SHANNON | | | |
| 5,126.23 | 5,070.00 | SHANNON BASE | | | |
| 7,341.11 | 7,189.00 | SHARON SPRINGS | | | |
| 7,490.19 | 7,273.00 | A CHALK | | | |
| 7,494.41 | 7,275.00 | NIOBRARA | | | |
| 7,525.37 | 7,289.00 | A MARL | | | |
| 7,710.81 | 7,347.00 | B CHALK | | | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well FILE 3T-32H-K268 |
| Company: | Crestone Peak Resources | TVD Reference: | 23' KB @ 4993.00usft |
| Project: | DJ BASIN | MD Reference: | 23' KB @ 4993.00usft |
| Site: | S32-T2N-R68W | North Reference: | True |
| Well: | FILE 3T-32H-K268 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | PLAN #2 | | |

Plan Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
|-----------------------------|-----------------------------|-------------------|-----------------|-----------------------------------|
| | | +N/-S (usft) | +E/-W (usft) | |
| 200.00 | 200.00 | 0.00 | 0.00 | Start Build 2.00 |
| 647.00 | 645.19 | -25.82 | 23.34 | Start 5991.79 hold at 647.00 MD |
| 6,638.80 | 6,564.19 | -716.57 | 647.73 | Start DLS 8.00 TFO -138.54 |
| 7,847.84 | 7,360.00 | -3.97 | 717.62 | Start DLS 2.00 TFO 90.00 |
| 7,860.28 | 7,360.00 | 8.46 | 717.43 | Start 2454.19 hold at 7860.28 MD |
| 10,314.46 | 7,360.00 | 2,462.44 | 685.25 | Start DLS 2.00 TFO 90.00 |
| 10,352.03 | 7,360.00 | 2,500.00 | 685.00 | Start 500.00 hold at 10352.03 MD |
| 10,852.03 | 7,360.00 | 3,000.00 | 685.00 | Start 2000.00 hold at 10852.03 MD |
| 12,852.03 | 7,360.00 | 5,000.00 | 685.00 | Start DLS 2.00 TFO 90.00 |
| 13,109.09 | 7,360.00 | 5,256.72 | 696.53 | Start 520.67 hold at 13109.09 MD |
| 13,629.77 | 7,360.00 | 5,775.30 | 743.18 | TD at 13629.77 |