



Crestone Peak Resources

DJ BASIN

Sec.18-T1N-R67W (HINGLEY)

Hingley 3C-18H-N167

Hingley 3C-18H-N167 Wellbore #1

Survey: Survey #1

Standard Survey Report

17 December, 2019



CRESTONE PEAK
RESOURCES

| | | | |
|------------------|---------------------------------|-------------------------------------|-----------------------------|
| Company: | Crestone Peak Resources | Local Co-ordinate Reference: | Well Hingley 3C-18H-N167 |
| Project: | DJ BASIN | TVD Reference: | WELL @ 5133.0ft (RKB - 23') |
| Site: | Sec.18-T1N-R67W (HINGLEY) | MD Reference: | WELL @ 5133.0ft (RKB - 23') |
| Well: | Hingley 3C-18H-N167 | North Reference: | True |
| Wellbore: | Hingley 3C-18H-N167 Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Hingley 3C-18H-N167 Wellbore #1 | Database: | US_EDM |

| 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 | | Sec.18-T1N-R67W (HINGLEY) | | | | | | |
| Site Position: | | Northing: | 1,264,132.76 | usft | Latitude: | 40.057007 | | |
| From: | Lat/Long | Easting: | 3,160,624.47 | usft | Longitude: | -104.926172 | | |
| Position Uncertainty: | 0.0 | ft | Slot Radius: | 13-3/16 | " | Grid Convergence: | 0.37 | ° |

| | | | | | | |
|----------------------|---------------------|--------|---------------------|-------------------|---------------|-------------|
| Well | Hingley 3C-18H-N167 | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,259,879.87 usft | Latitude: | 40.045388 |
| | +E/-W | 0.0 ft | Easting: | 3,157,460.02 usft | Longitude: | -104.937573 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | 0.0 ft | Ground Level: | 5,110.0 ft |

| | | | | | | | | | | | |
|-----------|--|------------|--|-------------|--|---------------------------------|--|---------------|--|---------------------|--|
| Wellbore | | | | | | Hingley 3C-18H-N167 Wellbore #1 | | | | | |
| Magnetics | | Model Name | | Sample Date | | Declination (°) | | Dip Angle (°) | | Field Strength (nT) | |
| | | HDGM | | 12/11/2019 | | 8.20 | | 66.35 | | 51,948 | |

| | | | | | |
|-------------------|---------------------------------|---------------|---------------|------------------|-----|
| Design | Hingley 3C-18H-N167 Wellbore #1 | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.0 | 0.0 | 0.0 | 347.20 | |

| Survey Program | | Date | 12/17/2019 | | |
|----------------|------------|---|------------|-----------------|--|
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 112.0 | 12,428.0 | Survey #1 (Hingley 3C-18H-N167 Wellbore | MWD+HDGM | OWSG MWD + HDGM | |

| Survey | | | | | | | | | | |
|--------|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| | Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| | 112.0 | 0.44 | 286.70 | 112.0 | 0.1 | -0.4 | 0.2 | 0.39 | 0.39 | 0.00 |
| | 233.0 | 1.06 | 341.37 | 233.0 | 1.3 | -1.2 | 1.6 | 0.73 | 0.51 | 45.18 |
| | 293.0 | 1.76 | 15.82 | 293.0 | 2.7 | -1.1 | 2.9 | 1.78 | 1.17 | 57.42 |
| | 384.0 | 2.90 | 17.31 | 383.9 | 6.3 | -0.1 | 6.1 | 1.25 | 1.25 | 1.64 |
| | 473.0 | 4.22 | 7.38 | 472.7 | 11.7 | 1.0 | 11.2 | 1.63 | 1.48 | -11.16 |
| | 560.0 | 1.50 | 24.87 | 559.6 | 15.9 | 1.9 | 15.1 | 3.25 | -3.13 | 20.10 |
| | 650.0 | 2.02 | 200.04 | 649.6 | 15.5 | 1.9 | 14.7 | 3.91 | 0.58 | 194.63 |
| | 716.0 | 5.14 | 211.92 | 715.5 | 11.9 | -0.1 | 11.6 | 4.83 | 4.73 | 18.00 |
| | 805.0 | 8.19 | 215.99 | 803.8 | 3.3 | -5.9 | 4.6 | 3.47 | 3.43 | 4.57 |

| | | | |
|------------------|---------------------------------|-------------------------------------|-----------------------------|
| Company: | Crestone Peak Resources | Local Co-ordinate Reference: | Well Hingley 3C-18H-N167 |
| Project: | DJ BASIN | TVD Reference: | WELL @ 5133.0ft (RKB - 23') |
| Site: | Sec.18-T1N-R67W (HINGLEY) | MD Reference: | WELL @ 5133.0ft (RKB - 23') |
| Well: | Hingley 3C-18H-N167 | North Reference: | True |
| Wellbore: | Hingley 3C-18H-N167 Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Hingley 3C-18H-N167 Wellbore #1 | Database: | US_EDM |

| Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 894.0 | 9.10 | 216.46 | 891.8 | -7.5 | -13.8 | -4.2 | 1.03 | 1.02 | 0.53 |
| 983.0 | 10.98 | 226.06 | 979.5 | -19.0 | -24.1 | -13.2 | 2.82 | 2.11 | 10.79 |
| 1,072.0 | 12.11 | 228.72 | 1,066.7 | -31.0 | -37.3 | -22.0 | 1.40 | 1.27 | 2.99 |
| 1,162.0 | 13.25 | 229.62 | 1,154.5 | -43.9 | -52.2 | -31.3 | 1.29 | 1.27 | 1.00 |
| 1,248.0 | 13.89 | 228.55 | 1,238.1 | -57.2 | -67.4 | -40.8 | 0.80 | 0.74 | -1.24 |
| 1,337.0 | 12.26 | 235.57 | 1,324.8 | -69.6 | -83.3 | -49.4 | 2.55 | -1.83 | 7.89 |
| 1,426.0 | 12.26 | 237.53 | 1,411.7 | -80.0 | -99.0 | -56.1 | 0.47 | 0.00 | 2.20 |
| 1,515.0 | 10.52 | 237.02 | 1,499.0 | -89.5 | -113.8 | -62.1 | 1.96 | -1.96 | -0.57 |
| 1,597.0 | 10.94 | 237.90 | 1,579.5 | -97.7 | -126.7 | -67.2 | 0.55 | 0.51 | 1.07 |
| 1,679.0 | 11.96 | 237.64 | 1,659.9 | -106.4 | -140.4 | -72.6 | 1.25 | 1.24 | -0.32 |
| 1,769.0 | 11.94 | 237.17 | 1,748.0 | -116.4 | -156.1 | -78.9 | 0.11 | -0.02 | -0.52 |
| 1,858.0 | 10.86 | 238.64 | 1,835.2 | -125.8 | -171.0 | -84.8 | 1.26 | -1.21 | 1.65 |
| 1,947.0 | 10.49 | 240.03 | 1,922.7 | -134.2 | -185.2 | -89.8 | 0.51 | -0.42 | 1.56 |
| 2,032.0 | 9.15 | 233.61 | 2,006.4 | -142.1 | -197.4 | -94.8 | 2.03 | -1.58 | -7.55 |
| 2,121.0 | 8.98 | 231.34 | 2,094.3 | -150.6 | -208.5 | -100.7 | 0.44 | -0.19 | -2.55 |
| 2,211.0 | 9.40 | 233.64 | 2,183.2 | -159.3 | -219.9 | -106.7 | 0.62 | 0.47 | 2.56 |
| 2,300.0 | 9.61 | 235.53 | 2,270.9 | -167.9 | -231.9 | -112.3 | 0.42 | 0.24 | 2.12 |
| 2,390.0 | 9.61 | 230.18 | 2,359.7 | -176.9 | -243.8 | -118.5 | 0.99 | 0.00 | -5.94 |
| 2,480.0 | 9.97 | 232.15 | 2,448.4 | -186.5 | -255.8 | -125.2 | 0.55 | 0.40 | 2.19 |
| 2,529.0 | 10.28 | 233.53 | 2,496.6 | -191.7 | -262.6 | -128.8 | 0.80 | 0.63 | 2.82 |
| 2,641.0 | 10.38 | 236.89 | 2,606.8 | -203.2 | -279.1 | -136.3 | 0.55 | 0.09 | 3.00 |
| 2,730.0 | 9.41 | 233.02 | 2,694.5 | -211.9 | -291.6 | -142.1 | 1.32 | -1.09 | -4.35 |
| 2,819.0 | 10.64 | 230.21 | 2,782.1 | -221.6 | -303.8 | -148.8 | 1.49 | 1.38 | -3.16 |
| 2,908.0 | 9.85 | 230.74 | 2,869.7 | -231.6 | -316.0 | -155.9 | 0.89 | -0.89 | 0.60 |
| 2,997.0 | 9.15 | 229.86 | 2,957.5 | -241.0 | -327.3 | -162.5 | 0.80 | -0.79 | -0.99 |
| 3,086.0 | 9.94 | 231.62 | 3,045.2 | -250.3 | -338.7 | -169.1 | 0.95 | 0.89 | 1.98 |
| 3,175.0 | 10.90 | 238.47 | 3,132.8 | -259.5 | -351.9 | -175.1 | 1.76 | 1.08 | 7.70 |
| 3,264.0 | 9.94 | 236.54 | 3,220.3 | -268.2 | -365.5 | -180.5 | 1.15 | -1.08 | -2.17 |
| 3,353.0 | 9.94 | 232.32 | 3,308.0 | -277.1 | -378.0 | -186.5 | 0.82 | 0.00 | -4.74 |
| 3,442.0 | 10.73 | 231.27 | 3,395.5 | -287.0 | -390.5 | -193.3 | 0.91 | 0.89 | -1.18 |
| 3,532.0 | 10.20 | 230.74 | 3,484.0 | -297.2 | -403.2 | -200.5 | 0.60 | -0.59 | -0.59 |
| 3,645.0 | 8.27 | 233.02 | 3,595.5 | -308.5 | -417.5 | -208.3 | 1.74 | -1.71 | 2.02 |
| 3,735.0 | 9.50 | 227.75 | 3,684.5 | -317.4 | -428.1 | -214.6 | 1.64 | 1.37 | -5.86 |
| 3,824.0 | 10.73 | 228.28 | 3,772.1 | -327.8 | -439.7 | -222.3 | 1.39 | 1.38 | 0.60 |
| 3,913.0 | 11.61 | 225.99 | 3,859.4 | -339.5 | -452.4 | -230.9 | 1.11 | 0.99 | -2.57 |
| 4,002.0 | 9.94 | 224.76 | 3,946.8 | -351.2 | -464.2 | -239.7 | 1.89 | -1.88 | -1.38 |
| 4,091.0 | 10.29 | 226.34 | 4,034.4 | -362.2 | -475.4 | -247.9 | 0.50 | 0.39 | 1.78 |
| 4,180.0 | 10.82 | 233.55 | 4,121.9 | -372.6 | -487.9 | -255.3 | 1.60 | 0.60 | 8.10 |
| 4,269.0 | 11.34 | 234.61 | 4,209.3 | -382.6 | -501.7 | -262.0 | 0.63 | 0.58 | 1.19 |
| 4,358.0 | 11.52 | 235.49 | 4,296.5 | -392.8 | -516.2 | -268.7 | 0.28 | 0.20 | 0.99 |
| 4,448.0 | 11.34 | 229.51 | 4,384.7 | -403.6 | -530.3 | -276.1 | 1.33 | -0.20 | -6.64 |
| 4,537.0 | 12.40 | 230.56 | 4,471.8 | -415.3 | -544.3 | -284.5 | 1.22 | 1.19 | 1.18 |
| 4,626.0 | 11.52 | 228.98 | 4,558.9 | -427.2 | -558.4 | -292.9 | 1.05 | -0.99 | -1.78 |
| 4,715.0 | 11.70 | 231.79 | 4,646.1 | -438.7 | -572.2 | -301.0 | 0.67 | 0.20 | 3.16 |

| | | | |
|------------------|---------------------------------|-------------------------------------|-----------------------------|
| Company: | Crestone Peak Resources | Local Co-ordinate Reference: | Well Hingley 3C-18H-N167 |
| Project: | DJ BASIN | TVD Reference: | WELL @ 5133.0ft (RKB - 23') |
| Site: | Sec.18-T1N-R67W (HINGLEY) | MD Reference: | WELL @ 5133.0ft (RKB - 23') |
| Well: | Hingley 3C-18H-N167 | North Reference: | True |
| Wellbore: | Hingley 3C-18H-N167 Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Hingley 3C-18H-N167 Wellbore #1 | Database: | US_EDM |

| Survey | | | | | | | | | | |
|------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 4,804.0 | 12.31 | 228.10 | 4,733.1 | -450.6 | -586.4 | -309.5 | 1.10 | 0.69 | -4.15 | |
| 4,893.0 | 11.17 | 227.93 | 4,820.3 | -462.7 | -599.8 | -318.3 | 1.28 | -1.28 | -0.19 | |
| 4,982.0 | 13.10 | 229.16 | 4,907.3 | -475.1 | -613.9 | -327.3 | 2.19 | 2.17 | 1.38 | |
| 5,071.0 | 11.87 | 230.04 | 4,994.2 | -487.5 | -628.5 | -336.2 | 1.40 | -1.38 | 0.99 | |
| 5,161.0 | 10.29 | 230.91 | 5,082.5 | -498.6 | -641.8 | -344.0 | 1.77 | -1.76 | 0.97 | |
| 5,250.0 | 8.53 | 226.52 | 5,170.3 | -508.1 | -652.8 | -350.9 | 2.13 | -1.98 | -4.93 | |
| 5,339.0 | 9.94 | 228.45 | 5,258.1 | -517.7 | -663.3 | -357.9 | 1.62 | 1.58 | 2.17 | |
| 5,428.0 | 9.85 | 232.85 | 5,345.8 | -527.4 | -675.2 | -364.8 | 0.86 | -0.10 | 4.94 | |
| 5,517.0 | 8.53 | 231.97 | 5,433.7 | -536.1 | -686.4 | -370.7 | 1.49 | -1.48 | -0.99 | |
| 5,606.0 | 7.12 | 239.53 | 5,521.8 | -543.0 | -696.4 | -375.2 | 1.96 | -1.58 | 8.49 | |
| 5,695.0 | 9.23 | 240.23 | 5,609.9 | -549.3 | -707.3 | -379.0 | 2.37 | 2.37 | 0.79 | |
| 5,785.0 | 9.85 | 232.32 | 5,698.7 | -557.6 | -719.7 | -384.3 | 1.61 | 0.69 | -8.79 | |
| 5,874.0 | 11.52 | 232.15 | 5,786.1 | -567.7 | -732.7 | -391.3 | 1.88 | 1.88 | -0.19 | |
| 5,963.0 | 12.31 | 225.99 | 5,873.2 | -579.7 | -746.6 | -400.0 | 1.68 | 0.89 | -6.92 | |
| 6,052.0 | 12.40 | 229.68 | 5,960.2 | -592.5 | -760.7 | -409.3 | 0.89 | 0.10 | 4.15 | |
| 6,141.0 | 10.11 | 228.10 | 6,047.4 | -603.9 | -773.8 | -417.5 | 2.60 | -2.57 | -1.78 | |
| 6,230.0 | 10.90 | 234.25 | 6,135.0 | -614.1 | -786.4 | -424.6 | 1.54 | 0.89 | 6.91 | |
| 6,319.0 | 8.62 | 232.85 | 6,222.7 | -623.0 | -798.6 | -430.6 | 2.58 | -2.56 | -1.57 | |
| 6,408.0 | 9.32 | 235.13 | 6,310.6 | -631.2 | -809.8 | -436.1 | 0.88 | 0.79 | 2.56 | |
| 6,498.0 | 10.11 | 231.27 | 6,399.3 | -640.3 | -821.9 | -442.3 | 1.14 | 0.88 | -4.29 | |
| 6,587.0 | 10.99 | 233.55 | 6,486.8 | -650.2 | -834.9 | -449.1 | 1.09 | 0.99 | 2.56 | |
| 6,676.0 | 10.46 | 234.43 | 6,574.2 | -659.9 | -848.3 | -455.6 | 0.62 | -0.60 | 0.99 | |
| 6,765.0 | 10.02 | 240.93 | 6,661.8 | -668.4 | -861.6 | -460.9 | 1.39 | -0.49 | 7.30 | |
| 6,854.0 | 7.65 | 243.92 | 6,749.7 | -674.8 | -873.7 | -464.5 | 2.71 | -2.66 | 3.36 | |
| 6,943.0 | 9.76 | 283.47 | 6,837.8 | -675.6 | -886.4 | -462.5 | 6.96 | 2.37 | 44.44 | |
| 7,032.0 | 12.22 | 315.11 | 6,925.2 | -667.2 | -900.4 | -451.2 | 7.20 | 2.76 | 35.55 | |
| 7,121.0 | 15.30 | 327.07 | 7,011.7 | -650.6 | -913.4 | -432.1 | 4.69 | 3.46 | 13.44 | |
| 7,211.0 | 17.59 | 333.40 | 7,098.0 | -628.5 | -925.9 | -407.8 | 3.23 | 2.54 | 7.03 | |
| 7,300.0 | 21.63 | 336.74 | 7,181.8 | -601.4 | -938.4 | -378.6 | 4.71 | 4.54 | 3.75 | |
| 7,389.0 | 25.41 | 342.89 | 7,263.4 | -568.1 | -950.5 | -343.4 | 5.06 | 4.25 | 6.91 | |
| 7,478.0 | 34.38 | 351.33 | 7,340.5 | -524.9 | -960.0 | -299.2 | 11.11 | 10.08 | 9.48 | |
| 7,567.0 | 45.64 | 355.02 | 7,408.6 | -468.1 | -966.5 | -242.4 | 12.92 | 12.65 | 4.15 | |
| 7,656.0 | 53.64 | 355.19 | 7,466.2 | -400.6 | -972.3 | -175.3 | 8.99 | 8.99 | 0.19 | |
| 7,746.0 | 59.88 | 353.96 | 7,515.5 | -325.7 | -979.5 | -100.7 | 7.03 | 6.93 | -1.37 | |
| 7,835.0 | 65.60 | 355.72 | 7,556.3 | -247.0 | -986.5 | -22.3 | 6.66 | 6.43 | 1.98 | |
| 7,924.0 | 73.07 | 358.00 | 7,587.7 | -163.9 | -991.1 | 59.7 | 8.73 | 8.39 | 2.56 | |
| 8,013.0 | 80.55 | 0.82 | 7,607.9 | -77.3 | -991.9 | 144.3 | 8.95 | 8.40 | 3.17 | |
| 8,040.9 | 83.58 | 0.87 | 7,611.8 | -49.7 | -991.5 | 171.2 | 10.87 | 10.87 | 0.19 | |
| Final TPZ - 460'FSL, 388'FWL | | | | | | | | | | |
| 8,102.0 | 90.22 | 0.99 | 7,615.1 | 11.3 | -990.5 | 230.4 | 10.87 | 10.87 | 0.19 | |
| 8,191.0 | 90.66 | 0.47 | 7,614.4 | 100.3 | -989.4 | 317.0 | 0.77 | 0.49 | -0.58 | |
| 8,280.0 | 90.13 | 359.76 | 7,613.8 | 189.3 | -989.2 | 403.7 | 1.00 | -0.60 | -0.80 | |
| 8,369.0 | 89.69 | 358.88 | 7,613.9 | 278.3 | -990.3 | 490.7 | 1.11 | -0.49 | -0.99 | |

| | | | |
|------------------|---------------------------------|-------------------------------------|-----------------------------|
| Company: | Crestone Peak Resources | Local Co-ordinate Reference: | Well Hingley 3C-18H-N167 |
| Project: | DJ BASIN | TVD Reference: | WELL @ 5133.0ft (RKB - 23') |
| Site: | Sec.18-T1N-R67W (HINGLEY) | MD Reference: | WELL @ 5133.0ft (RKB - 23') |
| Well: | Hingley 3C-18H-N167 | North Reference: | True |
| Wellbore: | Hingley 3C-18H-N167 Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Hingley 3C-18H-N167 Wellbore #1 | Database: | US_EDM |

| Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 8,458.0 | 90.04 | 358.53 | 7,614.2 | 367.3 | -992.3 | 577.9 | 0.56 | 0.39 | -0.39 |
| 8,548.0 | 88.55 | 359.24 | 7,615.3 | 457.2 | -994.0 | 666.1 | 1.83 | -1.66 | 0.79 |
| 8,637.0 | 88.11 | 358.53 | 7,617.9 | 546.2 | -995.8 | 753.2 | 0.94 | -0.49 | -0.80 |
| 8,726.0 | 89.52 | 358.36 | 7,619.7 | 635.1 | -998.2 | 840.4 | 1.60 | 1.58 | -0.19 |
| 8,815.0 | 89.34 | 356.95 | 7,620.6 | 724.0 | -1,001.8 | 928.0 | 1.60 | -0.20 | -1.58 |
| 8,904.0 | 91.28 | 356.60 | 7,620.1 | 812.9 | -1,006.8 | 1,015.7 | 2.21 | 2.18 | -0.39 |
| 8,993.0 | 91.28 | 359.06 | 7,618.1 | 901.8 | -1,010.2 | 1,103.2 | 2.76 | 0.00 | 2.76 |
| 9,082.0 | 89.43 | 358.88 | 7,617.6 | 990.8 | -1,011.8 | 1,190.3 | 2.09 | -2.08 | -0.20 |
| 9,171.0 | 90.31 | 1.52 | 7,617.8 | 1,079.8 | -1,011.5 | 1,277.0 | 3.13 | 0.99 | 2.97 |
| 9,261.0 | 90.13 | 1.34 | 7,617.4 | 1,169.7 | -1,009.2 | 1,364.2 | 0.28 | -0.20 | -0.20 |
| 9,350.0 | 89.69 | 1.52 | 7,617.6 | 1,258.7 | -1,007.0 | 1,450.5 | 0.53 | -0.49 | 0.20 |
| 9,439.0 | 89.43 | 0.11 | 7,618.2 | 1,347.7 | -1,005.7 | 1,537.0 | 1.61 | -0.29 | -1.58 |
| 9,528.0 | 88.72 | 1.34 | 7,619.7 | 1,436.7 | -1,004.6 | 1,623.5 | 1.60 | -0.80 | 1.38 |
| 9,617.0 | 88.02 | 0.11 | 7,622.2 | 1,525.6 | -1,003.5 | 1,710.0 | 1.59 | -0.79 | -1.38 |
| 9,706.0 | 88.46 | 0.82 | 7,624.9 | 1,614.6 | -1,002.8 | 1,796.6 | 0.94 | 0.49 | 0.80 |
| 9,795.0 | 91.01 | 0.47 | 7,625.4 | 1,703.6 | -1,001.8 | 1,883.1 | 2.89 | 2.87 | -0.39 |
| 9,884.0 | 91.89 | 0.11 | 7,623.1 | 1,792.5 | -1,001.3 | 1,969.8 | 1.07 | 0.99 | -0.40 |
| 9,973.0 | 90.92 | 359.94 | 7,620.9 | 1,881.5 | -1,001.3 | 2,056.6 | 1.11 | -1.09 | -0.19 |
| 10,063.0 | 91.45 | 359.24 | 7,619.1 | 1,971.5 | -1,001.9 | 2,144.4 | 0.98 | 0.59 | -0.78 |
| 10,152.0 | 90.57 | 0.47 | 7,617.5 | 2,060.5 | -1,002.2 | 2,231.3 | 1.70 | -0.99 | 1.38 |
| 10,241.0 | 90.48 | 0.47 | 7,616.7 | 2,149.5 | -1,001.4 | 2,317.9 | 0.10 | -0.10 | 0.00 |
| 10,330.0 | 90.31 | 0.47 | 7,616.1 | 2,238.5 | -1,000.7 | 2,404.5 | 0.19 | -0.19 | 0.00 |
| 10,419.0 | 90.66 | 359.76 | 7,615.3 | 2,327.5 | -1,000.5 | 2,491.3 | 0.89 | 0.39 | -0.80 |
| 10,508.0 | 89.78 | 1.17 | 7,615.0 | 2,416.5 | -999.8 | 2,577.9 | 1.87 | -0.99 | 1.58 |
| 10,597.0 | 90.48 | 0.64 | 7,614.8 | 2,505.4 | -998.4 | 2,664.3 | 0.99 | 0.79 | -0.60 |
| 10,686.0 | 89.52 | 1.34 | 7,614.8 | 2,594.4 | -996.8 | 2,750.8 | 1.33 | -1.08 | 0.79 |
| 10,775.0 | 90.13 | 0.82 | 7,615.0 | 2,683.4 | -995.2 | 2,837.2 | 0.90 | 0.69 | -0.58 |
| 10,864.0 | 90.48 | 359.94 | 7,614.6 | 2,772.4 | -994.6 | 2,923.8 | 1.06 | 0.39 | -0.99 |
| 10,953.0 | 90.13 | 1.52 | 7,614.1 | 2,861.4 | -993.4 | 3,010.4 | 1.82 | -0.39 | 1.78 |
| 11,042.0 | 90.40 | 0.82 | 7,613.7 | 2,950.4 | -991.6 | 3,096.7 | 0.84 | 0.30 | -0.79 |
| 11,131.0 | 89.08 | 0.47 | 7,614.1 | 3,039.4 | -990.6 | 3,183.3 | 1.53 | -1.48 | -0.39 |
| 11,221.0 | 89.69 | 0.29 | 7,615.0 | 3,129.4 | -990.0 | 3,270.9 | 0.71 | 0.68 | -0.20 |
| 11,310.0 | 89.69 | 359.24 | 7,615.5 | 3,218.4 | -990.4 | 3,357.8 | 1.18 | 0.00 | -1.18 |
| 11,399.0 | 89.78 | 359.41 | 7,615.9 | 3,307.3 | -991.4 | 3,444.8 | 0.22 | 0.10 | 0.19 |
| 11,488.0 | 90.40 | 359.59 | 7,615.8 | 3,396.3 | -992.2 | 3,531.8 | 0.73 | 0.70 | 0.20 |
| 11,577.0 | 90.75 | 359.41 | 7,614.9 | 3,485.3 | -993.0 | 3,618.7 | 0.44 | 0.39 | -0.20 |
| 11,666.0 | 91.36 | 358.88 | 7,613.3 | 3,574.3 | -994.3 | 3,705.8 | 0.91 | 0.69 | -0.60 |
| 11,755.0 | 92.07 | 0.29 | 7,610.6 | 3,663.3 | -995.0 | 3,792.7 | 1.77 | 0.80 | 1.58 |
| 11,844.0 | 91.80 | 1.17 | 7,607.6 | 3,752.2 | -993.8 | 3,879.1 | 1.03 | -0.30 | 0.99 |
| 11,934.0 | 92.33 | 1.52 | 7,604.4 | 3,842.1 | -991.7 | 3,966.3 | 0.71 | 0.59 | 0.39 |
| 12,023.0 | 91.98 | 1.17 | 7,601.0 | 3,931.0 | -989.6 | 4,052.6 | 0.56 | -0.39 | -0.39 |
| 12,112.0 | 91.28 | 0.64 | 7,598.5 | 4,020.0 | -988.2 | 4,139.0 | 0.99 | -0.79 | -0.60 |
| 12,201.0 | 91.45 | 0.11 | 7,596.4 | 4,109.0 | -987.6 | 4,225.7 | 0.63 | 0.19 | -0.60 |
| 12,290.0 | 91.71 | 359.94 | 7,593.9 | 4,197.9 | -987.6 | 4,312.4 | 0.35 | 0.29 | -0.19 |

| | | | |
|------------------|---------------------------------|-------------------------------------|-----------------------------|
| Company: | Crestone Peak Resources | Local Co-ordinate Reference: | Well Hingley 3C-18H-N167 |
| Project: | DJ BASIN | TVD Reference: | WELL @ 5133.0ft (RKB - 23') |
| Site: | Sec.18-T1N-R67W (HINGLEY) | MD Reference: | WELL @ 5133.0ft (RKB - 23') |
| Well: | Hingley 3C-18H-N167 | North Reference: | True |
| Wellbore: | Hingley 3C-18H-N167 Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Hingley 3C-18H-N167 Wellbore #1 | Database: | US_EDM |

| Survey | | | | | | | | | |
|--------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 12,363.0 | 92.24 | 359.06 | 7,591.4 | 4,270.9 | -988.2 | 4,383.7 | 1.41 | 0.73 | -1.21 |
| Last Survey - 12,363'MD | | | | | | | | | |
| 12,428.0 | 92.24 | 359.06 | 7,588.8 | 4,335.8 | -989.3 | 4,447.2 | 0.00 | 0.00 | 0.00 |
| PTB - 466'FNL, 377'FWL | | | | | | | | | |

| Survey Annotations | | | | |
|---------------------|---------------------|-------------------|------------|------------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
| | | +N/-S (ft) | +E/-W (ft) | |
| 8,040.9 | 7,611.8 | -49.7 | -991.5 | Final TPZ - 460'FSL, 388'FWL |
| 12,363.0 | 7,591.4 | 4,270.9 | -988.2 | Last Survey - 12,363'MD |
| 12,428.0 | 7,588.8 | 4,335.8 | -989.3 | PTB - 466'FNL, 377'FWL |

Checked By: _____ Approved By: _____ Date: _____