



Extraction Oil & Gas

WELD COUNTY, CO

Kiteley 21-I Pad

Kiteley 1

Kiteley 1

Survey: Survey #1

Standard Survey Report

09 March, 2017



| | | | |
|------------------|----------------------|-------------------------------------|---------------------------------|
| Company: | Extraction Oil & Gas | Local Co-ordinate Reference: | Well Kiteley 1 |
| Project: | WELD COUNTY, CO | TVD Reference: | New KB @ 5019.00ft (Cyclone 37) |
| Site: | Kiteley 21-I Pad | MD Reference: | New KB @ 5019.00ft (Cyclone 37) |
| Well: | Kiteley 1 | North Reference: | True |
| Wellbore: | Kiteley 1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Kiteley 1 | Database: | EDM 5000.1 Single User Db |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | WELD COUNTY, CO | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| Site | | Kiteley 21-I Pad | | | |
|-----------------------|----------|------------------|-------------------|-------------------|------------------|
| Site Position: | | Northing: | 1,319,048.75 usft | Latitude: | 40° 12' 29.416 N |
| From: | Lat/Long | Easting: | 3,135,328.07 usft | Longitude: | 105° 0' 55.688 W |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13-3/16" | Grid Convergence: | 0.31 ° |

| Well | Kiteley 1 | | | | | |
|----------------------|-----------|---------|---------------------|-------------------|---------------|------------------|
| Well Position | +N/-S | 0.00 ft | Northing: | 1,319,048.75 usft | Latitude: | 40° 12' 29.416 N |
| | +E/-W | 0.00 ft | Easting: | 3,135,328.07 usft | Longitude: | 105° 0' 55.688 W |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | 0.00 ft | Ground Level: | 4,991.00 ft |

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|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Kiteley 1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2015 | 01/31/17 | 8.37 | 66.67 | 52,307 |

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|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| Design | Kiteley 1 | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.00 | 0.00 | 0.00 | 76.45 | |

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|-----------------------|----------------|--------------------------|------------------|--------------------|--|
| Survey Program | Date | 03/08/17 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 98.00 | 11,638.00 | Survey #1 (Kiteley 1) | MWD | MWD - Standard | |

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|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| 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) | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 98.00 | 0.90 | 133.50 | 98.00 | -0.53 | 0.56 | 0.42 | 0.92 | 0.92 | 0.00 | |
| 130.00 | 0.20 | 163.90 | 129.99 | -0.76 | 0.76 | 0.56 | 2.30 | -2.19 | 95.00 | |
| 193.00 | 0.04 | 346.00 | 192.99 | -0.84 | 0.78 | 0.56 | 0.38 | -0.25 | -282.38 | |
| 225.00 | 0.90 | 322.60 | 224.99 | -0.63 | 0.63 | 0.46 | 2.70 | 2.69 | -73.13 | |
| 257.00 | 1.70 | 322.60 | 256.98 | -0.05 | 0.18 | 0.17 | 2.50 | 2.50 | 0.00 | |
| 320.00 | 3.80 | 323.90 | 319.91 | 2.38 | -1.61 | -1.01 | 3.33 | 3.33 | 2.06 | |
| 352.00 | 5.00 | 327.20 | 351.81 | 4.40 | -2.99 | -1.88 | 3.83 | 3.75 | 10.31 | |
| 384.00 | 6.60 | 328.40 | 383.65 | 7.14 | -4.71 | -2.91 | 5.01 | 5.00 | 3.75 | |
| 416.00 | 7.30 | 326.70 | 415.41 | 10.41 | -6.79 | -4.16 | 2.28 | 2.19 | -5.31 | |
| 448.00 | 7.70 | 326.40 | 447.14 | 13.89 | -9.09 | -5.59 | 1.26 | 1.25 | -0.94 | |
| 479.00 | 8.00 | 328.00 | 477.85 | 17.45 | -11.39 | -6.98 | 1.20 | 0.97 | 5.16 | |
| 511.00 | 8.50 | 326.90 | 509.52 | 21.32 | -13.86 | -8.48 | 1.64 | 1.56 | -3.44 | |

| | | | |
|------------------|----------------------|-------------------------------------|---------------------------------|
| Company: | Extraction Oil & Gas | Local Co-ordinate Reference: | Well Kiteley 1 |
| Project: | WELD COUNTY, CO | TVD Reference: | New KB @ 5019.00ft (Cyclone 37) |
| Site: | Kiteley 21-I Pad | MD Reference: | New KB @ 5019.00ft (Cyclone 37) |
| Well: | Kiteley 1 | North Reference: | True |
| Wellbore: | Kiteley 1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Kiteley 1 | Database: | EDM 5000.1 Single User Db |

| 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) | |
| 543.00 | 9.00 | 327.20 | 541.15 | 25.41 | -16.51 | -10.09 | 1.57 | 1.56 | 0.94 | |
| 575.00 | 9.20 | 327.90 | 572.74 | 29.68 | -19.22 | -11.73 | 0.71 | 0.63 | 2.19 | |
| 639.00 | 10.04 | 330.30 | 635.84 | 38.86 | -24.70 | -14.91 | 1.45 | 1.31 | 3.75 | |
| 734.00 | 12.40 | 333.30 | 729.02 | 55.17 | -33.39 | -19.53 | 2.56 | 2.48 | 3.16 | |
| 798.00 | 13.30 | 325.10 | 791.42 | 67.34 | -40.69 | -23.78 | 3.17 | 1.41 | -12.81 | |
| 861.00 | 12.70 | 316.10 | 852.81 | 78.28 | -49.64 | -29.91 | 3.35 | -0.95 | -14.29 | |
| 893.00 | 12.50 | 315.40 | 884.04 | 83.28 | -54.51 | -33.48 | 0.79 | -0.63 | -2.19 | |
| 925.00 | 12.80 | 317.40 | 915.27 | 88.35 | -59.34 | -36.98 | 1.66 | 0.94 | 6.25 | |
| 1,021.00 | 12.30 | 323.40 | 1,008.98 | 104.39 | -72.64 | -46.15 | 1.45 | -0.52 | 6.25 | |
| 1,116.00 | 10.40 | 326.66 | 1,102.12 | 119.68 | -83.38 | -53.02 | 2.11 | -2.00 | 3.43 | |
| 1,178.00 | 10.80 | 327.50 | 1,163.06 | 129.26 | -89.58 | -56.80 | 0.69 | 0.65 | 1.35 | |
| 1,241.00 | 12.00 | 327.40 | 1,224.81 | 139.75 | -96.28 | -60.85 | 1.91 | 1.90 | -0.16 | |
| 1,271.00 | 12.70 | 328.50 | 1,254.12 | 145.19 | -99.68 | -62.88 | 2.46 | 2.33 | 3.67 | |
| 1,367.00 | 11.70 | 331.10 | 1,347.95 | 162.71 | -109.90 | -68.71 | 1.19 | -1.04 | 2.71 | |
| 1,399.00 | 12.10 | 334.20 | 1,379.26 | 168.57 | -112.93 | -70.28 | 2.36 | 1.25 | 9.69 | |
| 1,430.00 | 12.80 | 335.70 | 1,409.53 | 174.63 | -115.76 | -71.61 | 2.49 | 2.26 | 4.84 | |
| 1,462.00 | 13.30 | 335.80 | 1,440.71 | 181.21 | -118.73 | -72.95 | 1.56 | 1.56 | 0.31 | |
| 1,494.00 | 13.50 | 334.20 | 1,471.84 | 187.93 | -121.86 | -74.42 | 1.32 | 0.63 | -5.00 | |
| 1,539.00 | 13.10 | 331.20 | 1,515.63 | 197.13 | -126.60 | -76.88 | 1.77 | -0.89 | -6.67 | |
| 1,664.00 | 12.42 | 327.44 | 1,637.54 | 220.88 | -140.66 | -84.98 | 0.86 | -0.54 | -3.01 | |
| 1,759.00 | 10.78 | 321.40 | 1,730.60 | 236.43 | -151.70 | -92.07 | 2.15 | -1.73 | -6.36 | |
| 1,853.00 | 11.31 | 328.23 | 1,822.87 | 251.14 | -162.04 | -98.68 | 1.50 | 0.56 | 7.27 | |
| 1,948.00 | 13.39 | 332.81 | 1,915.67 | 268.84 | -171.97 | -104.18 | 2.42 | 2.19 | 4.82 | |
| 2,043.00 | 12.59 | 331.01 | 2,008.23 | 287.69 | -182.02 | -109.53 | 0.94 | -0.84 | -1.89 | |
| 2,137.00 | 11.18 | 329.02 | 2,100.22 | 304.46 | -191.68 | -114.99 | 1.56 | -1.50 | -2.12 | |
| 2,232.00 | 13.52 | 327.30 | 2,193.01 | 321.70 | -202.42 | -121.39 | 2.49 | 2.46 | -1.81 | |
| 2,326.00 | 13.70 | 326.91 | 2,284.37 | 340.28 | -214.43 | -128.72 | 0.21 | 0.19 | -0.41 | |
| 2,420.00 | 12.42 | 326.11 | 2,375.94 | 357.99 | -226.14 | -135.95 | 1.38 | -1.36 | -0.85 | |
| 2,515.00 | 10.69 | 323.51 | 2,469.01 | 373.56 | -237.08 | -142.94 | 1.90 | -1.82 | -2.74 | |
| 2,610.00 | 12.11 | 330.21 | 2,562.14 | 389.29 | -247.27 | -149.16 | 2.04 | 1.49 | 7.05 | |
| 2,799.00 | 9.81 | 329.82 | 2,747.68 | 420.42 | -265.22 | -159.31 | 1.22 | -1.22 | -0.21 | |
| 2,894.00 | 11.40 | 335.24 | 2,841.06 | 435.94 | -273.22 | -163.45 | 1.97 | 1.67 | 5.71 | |
| 2,988.00 | 11.49 | 339.11 | 2,933.19 | 453.13 | -280.45 | -166.45 | 0.82 | 0.10 | 4.12 | |
| 3,083.00 | 12.42 | 333.21 | 3,026.13 | 471.09 | -288.43 | -170.00 | 1.62 | 0.98 | -6.21 | |
| 3,177.00 | 11.71 | 333.12 | 3,118.05 | 488.62 | -297.30 | -174.51 | 0.76 | -0.76 | -0.10 | |
| 3,272.00 | 9.19 | 331.71 | 3,211.47 | 503.90 | -305.25 | -178.66 | 2.67 | -2.65 | -1.48 | |
| 3,366.00 | 10.38 | 322.41 | 3,304.11 | 517.22 | -313.98 | -184.02 | 2.10 | 1.27 | -9.89 | |
| 3,461.00 | 15.51 | 323.21 | 3,396.66 | 534.19 | -326.81 | -192.53 | 5.40 | 5.40 | 0.84 | |
| 3,555.00 | 17.99 | 326.11 | 3,486.67 | 556.31 | -342.44 | -202.53 | 2.78 | 2.64 | 3.09 | |
| 3,650.00 | 17.28 | 326.11 | 3,577.20 | 580.20 | -358.49 | -212.53 | 0.75 | -0.75 | 0.00 | |
| 3,744.00 | 16.62 | 325.72 | 3,667.12 | 602.89 | -373.84 | -222.14 | 0.71 | -0.70 | -0.41 | |
| 3,839.00 | 14.01 | 322.63 | 3,758.74 | 623.26 | -388.48 | -231.60 | 2.88 | -2.75 | -3.25 | |
| 3,934.00 | 11.31 | 320.52 | 3,851.42 | 639.60 | -401.38 | -240.32 | 2.88 | -2.84 | -2.22 | |
| 4,029.00 | 11.00 | 327.83 | 3,944.63 | 654.46 | -412.13 | -247.28 | 1.52 | -0.33 | 7.69 | |
| 4,123.00 | 12.20 | 333.21 | 4,036.71 | 670.92 | -421.38 | -252.42 | 1.72 | 1.28 | 5.72 | |
| 4,218.00 | 11.09 | 332.02 | 4,129.76 | 687.95 | -430.19 | -256.99 | 1.20 | -1.17 | -1.25 | |
| 4,313.00 | 11.00 | 330.61 | 4,223.00 | 703.91 | -438.93 | -261.74 | 0.30 | -0.09 | -1.48 | |
| 4,407.00 | 11.71 | 331.71 | 4,315.16 | 720.13 | -447.85 | -266.62 | 0.79 | 0.76 | 1.17 | |
| 4,502.00 | 11.71 | 325.72 | 4,408.18 | 736.58 | -457.85 | -272.48 | 1.28 | 0.00 | -6.31 | |
| 4,597.00 | 15.38 | 328.80 | 4,500.52 | 755.33 | -469.81 | -279.72 | 3.94 | 3.86 | 3.24 | |
| 4,692.00 | 14.41 | 328.01 | 4,592.33 | 776.13 | -482.60 | -287.27 | 1.04 | -1.02 | -0.83 | |
| 4,787.00 | 11.89 | 322.50 | 4,684.84 | 793.93 | -494.82 | -294.99 | 2.96 | -2.65 | -5.80 | |
| 4,881.00 | 9.59 | 315.41 | 4,777.19 | 807.19 | -506.22 | -302.95 | 2.82 | -2.45 | -7.54 | |
| 4,975.00 | 11.09 | 314.61 | 4,869.66 | 819.11 | -518.15 | -311.76 | 1.60 | 1.60 | -0.85 | |

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|------------------|----------------------|-------------------------------------|---------------------------------|
| Company: | Extraction Oil & Gas | Local Co-ordinate Reference: | Well Kiteley 1 |
| Project: | WELD COUNTY, CO | TVD Reference: | New KB @ 5019.00ft (Cyclone 37) |
| Site: | Kiteley 21-I Pad | MD Reference: | New KB @ 5019.00ft (Cyclone 37) |
| Well: | Kiteley 1 | North Reference: | True |
| Wellbore: | Kiteley 1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Kiteley 1 | Database: | EDM 5000.1 Single User Db |

| 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) | |
| 5,070.00 | 11.49 | 309.10 | 4,962.82 | 831.50 | -532.00 | -322.32 | 1.21 | 0.42 | -5.80 | |
| 5,164.00 | 12.20 | 306.64 | 5,054.82 | 843.33 | -547.23 | -334.36 | 0.93 | 0.76 | -2.62 | |
| 5,259.00 | 11.31 | 303.90 | 5,147.83 | 854.52 | -563.02 | -347.09 | 1.11 | -0.94 | -2.88 | |
| 5,353.00 | 9.19 | 295.93 | 5,240.33 | 862.94 | -577.42 | -359.11 | 2.71 | -2.26 | -8.48 | |
| 5,448.00 | 9.59 | 297.43 | 5,334.05 | 869.90 | -591.27 | -370.94 | 0.49 | 0.42 | 1.58 | |
| 5,542.00 | 9.50 | 302.32 | 5,426.76 | 877.66 | -604.77 | -382.25 | 0.87 | -0.10 | 5.20 | |
| 5,661.00 | 10.78 | 313.20 | 5,543.90 | 890.53 | -621.19 | -395.19 | 1.93 | 1.08 | 9.14 | |
| 5,755.00 | 9.41 | 311.31 | 5,636.45 | 901.62 | -633.37 | -404.44 | 1.50 | -1.46 | -2.01 | |
| 5,850.00 | 8.31 | 308.62 | 5,730.31 | 911.03 | -644.57 | -413.12 | 1.24 | -1.16 | -2.83 | |
| 5,944.00 | 6.01 | 310.73 | 5,823.57 | 918.48 | -653.60 | -420.16 | 2.46 | -2.45 | 2.24 | |
| 6,039.00 | 3.71 | 312.94 | 5,918.23 | 923.82 | -659.62 | -424.76 | 2.43 | -2.42 | 2.33 | |
| 6,134.00 | 1.10 | 290.82 | 6,013.14 | 926.24 | -662.73 | -427.21 | 2.87 | -2.75 | -23.28 | |
| 6,229.00 | 1.19 | 268.43 | 6,108.12 | 926.54 | -664.57 | -428.93 | 0.48 | 0.09 | -23.57 | |
| 6,324.00 | 1.10 | 260.63 | 6,203.10 | 926.36 | -666.45 | -430.80 | 0.19 | -0.09 | -8.21 | |
| 6,419.00 | 6.32 | 117.72 | 6,297.93 | 923.78 | -662.72 | -427.78 | 7.61 | 5.49 | -150.43 | |
| 6,514.00 | 17.01 | 102.82 | 6,390.85 | 918.25 | -644.48 | -411.35 | 11.60 | 11.25 | -15.68 | |
| 6,608.00 | 27.31 | 108.82 | 6,477.80 | 908.21 | -610.57 | -380.73 | 11.21 | 10.96 | 6.38 | |
| 6,703.00 | 38.89 | 101.11 | 6,557.28 | 895.38 | -560.49 | -335.05 | 12.95 | 12.19 | -8.12 | |
| 6,797.00 | 44.59 | 88.24 | 6,627.52 | 890.70 | -498.39 | -275.77 | 10.92 | 6.06 | -13.69 | |
| 6,892.00 | 46.31 | 85.73 | 6,694.17 | 894.28 | -430.79 | -209.22 | 2.61 | 1.81 | -2.64 | |
| 6,987.00 | 51.39 | 82.73 | 6,756.67 | 901.54 | -359.67 | -138.38 | 5.85 | 5.35 | -3.16 | |
| 7,082.00 | 57.31 | 82.51 | 6,812.01 | 911.46 | -283.15 | -61.66 | 6.23 | 6.23 | -0.23 | |
| 7,176.00 | 63.19 | 83.13 | 6,858.64 | 921.64 | -202.21 | 19.41 | 6.28 | 6.26 | 0.66 | |
| 7,271.00 | 78.22 | 86.61 | 6,889.95 | 929.51 | -113.17 | 107.82 | 16.19 | 15.82 | 3.66 | |
| 7,366.00 | 88.91 | 90.62 | 6,900.58 | 931.75 | -18.95 | 199.94 | 12.01 | 11.25 | 4.22 | |
| 7,460.00 | 89.88 | 88.24 | 6,901.58 | 932.69 | 75.03 | 291.52 | 2.73 | 1.03 | -2.53 | |
| 7,554.00 | 91.30 | 88.11 | 6,900.61 | 935.68 | 168.98 | 383.55 | 1.52 | 1.51 | -0.14 | |
| 7,649.00 | 90.72 | 86.74 | 6,898.93 | 939.95 | 263.87 | 476.79 | 1.57 | -0.61 | -1.44 | |
| 7,743.00 | 87.98 | 85.73 | 6,900.00 | 946.12 | 357.65 | 569.41 | 3.11 | -2.91 | -1.07 | |
| 7,837.00 | 86.39 | 86.83 | 6,904.62 | 952.21 | 451.33 | 661.91 | 2.06 | -1.69 | 1.17 | |
| 7,932.00 | 87.32 | 88.41 | 6,909.83 | 956.15 | 546.10 | 754.97 | 1.93 | 0.98 | 1.66 | |
| 8,026.00 | 85.99 | 87.71 | 6,915.31 | 959.33 | 639.89 | 846.88 | 1.60 | -1.41 | -0.74 | |
| 8,121.00 | 86.70 | 86.52 | 6,921.37 | 964.10 | 734.57 | 940.05 | 1.46 | 0.75 | -1.25 | |
| 8,216.00 | 86.39 | 86.52 | 6,927.10 | 969.85 | 829.22 | 1,033.42 | 0.33 | -0.33 | 0.00 | |
| 8,311.00 | 86.79 | 87.93 | 6,932.75 | 974.44 | 923.94 | 1,126.57 | 1.54 | 0.42 | 1.48 | |
| 8,405.00 | 89.62 | 88.72 | 6,935.69 | 977.19 | 1,017.84 | 1,218.50 | 3.13 | 3.01 | 0.84 | |
| 8,500.00 | 91.30 | 87.93 | 6,934.93 | 979.97 | 1,112.80 | 1,311.46 | 1.95 | 1.77 | -0.83 | |
| 8,595.00 | 89.40 | 90.84 | 6,934.35 | 980.99 | 1,207.77 | 1,404.03 | 3.66 | -2.00 | 3.06 | |
| 8,689.00 | 89.88 | 91.10 | 6,934.94 | 979.39 | 1,301.76 | 1,495.03 | 0.58 | 0.51 | 0.28 | |
| 8,784.00 | 88.38 | 91.01 | 6,936.38 | 977.65 | 1,396.73 | 1,586.94 | 1.58 | -1.58 | -0.09 | |
| 8,878.00 | 87.01 | 87.62 | 6,940.16 | 978.77 | 1,490.63 | 1,678.49 | 3.89 | -1.46 | -3.61 | |
| 8,973.00 | 88.20 | 86.52 | 6,944.13 | 983.62 | 1,585.42 | 1,771.78 | 1.71 | 1.25 | -1.16 | |
| 9,068.00 | 89.00 | 85.42 | 6,946.45 | 990.29 | 1,680.15 | 1,865.44 | 1.43 | 0.84 | -1.16 | |
| 9,162.00 | 87.19 | 87.71 | 6,949.58 | 995.92 | 1,773.92 | 1,957.92 | 3.10 | -1.93 | 2.44 | |
| 9,257.00 | 87.58 | 88.63 | 6,953.91 | 998.95 | 1,868.78 | 2,050.84 | 1.05 | 0.41 | 0.97 | |
| 9,352.00 | 88.11 | 86.83 | 6,957.49 | 1,002.71 | 1,963.63 | 2,143.93 | 1.97 | 0.56 | -1.89 | |
| 9,447.00 | 85.59 | 89.43 | 6,962.71 | 1,005.81 | 2,058.42 | 2,236.81 | 3.81 | -2.65 | 2.74 | |
| 9,542.00 | 85.51 | 88.11 | 6,970.08 | 1,007.84 | 2,153.11 | 2,329.34 | 1.39 | -0.08 | -1.39 | |
| 9,637.00 | 86.70 | 89.52 | 6,976.53 | 1,009.80 | 2,247.87 | 2,421.91 | 1.94 | 1.25 | 1.48 | |
| 9,731.00 | 87.80 | 89.91 | 6,981.04 | 1,010.27 | 2,341.75 | 2,513.30 | 1.24 | 1.17 | 0.41 | |
| 9,826.00 | 86.61 | 89.12 | 6,985.67 | 1,011.07 | 2,436.64 | 2,605.73 | 1.50 | -1.25 | -0.83 | |
| 9,921.00 | 85.68 | 91.32 | 6,992.06 | 1,010.71 | 2,531.41 | 2,697.78 | 2.51 | -0.98 | 2.32 | |
| 10,016.00 | 86.48 | 90.22 | 6,998.56 | 1,009.44 | 2,626.18 | 2,789.61 | 1.43 | 0.84 | -1.16 | |
| 10,111.00 | 84.40 | 91.94 | 7,006.11 | 1,007.65 | 2,720.85 | 2,881.23 | 2.84 | -2.19 | 1.81 | |

| | | | |
|------------------|----------------------|-------------------------------------|---------------------------------|
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| Site: | Kiteley 21-I Pad | MD Reference: | New KB @ 5019.00ft (Cyclone 37) |
| Well: | Kiteley 1 | North Reference: | True |
| Wellbore: | Kiteley 1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Kiteley 1 | Database: | EDM 5000.1 Single User Db |

| 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) | |
| 10,205.00 | 83.21 | 93.53 | 7,016.25 | 1,003.20 | 2,814.19 | 2,970.92 | 2.10 | -1.27 | 1.69 | |
| 10,300.00 | 84.31 | 92.42 | 7,026.58 | 998.30 | 2,908.50 | 3,061.46 | 1.64 | 1.16 | -1.17 | |
| 10,394.00 | 83.92 | 93.61 | 7,036.22 | 993.38 | 3,001.87 | 3,151.08 | 1.33 | -0.41 | 1.27 | |
| 10,489.00 | 87.01 | 89.21 | 7,043.73 | 991.06 | 3,096.51 | 3,242.54 | 5.65 | 3.25 | -4.63 | |
| 10,584.00 | 89.09 | 89.03 | 7,046.96 | 992.51 | 3,191.44 | 3,335.16 | 2.20 | 2.19 | -0.19 | |
| 10,678.00 | 90.50 | 89.60 | 7,047.30 | 993.64 | 3,285.43 | 3,426.80 | 1.62 | 1.50 | 0.61 | |
| 10,773.00 | 88.69 | 89.74 | 7,047.97 | 994.19 | 3,380.42 | 3,519.27 | 1.91 | -1.91 | 0.15 | |
| 10,868.00 | 88.11 | 89.12 | 7,050.62 | 995.13 | 3,475.38 | 3,611.81 | 0.89 | -0.61 | -0.65 | |
| 10,962.00 | 88.91 | 89.60 | 7,053.07 | 996.18 | 3,569.34 | 3,703.40 | 0.99 | 0.85 | 0.51 | |
| 11,057.00 | 89.48 | 89.60 | 7,054.40 | 996.84 | 3,664.33 | 3,795.90 | 0.60 | 0.60 | 0.00 | |
| 11,152.00 | 90.59 | 88.11 | 7,054.35 | 998.74 | 3,759.31 | 3,888.67 | 1.96 | 1.17 | -1.57 | |
| 11,247.00 | 92.18 | 88.24 | 7,052.05 | 1,001.77 | 3,854.23 | 3,981.66 | 1.68 | 1.67 | 0.14 | |
| 11,341.00 | 90.72 | 86.83 | 7,049.67 | 1,005.81 | 3,948.11 | 4,073.87 | 2.16 | -1.55 | -1.50 | |
| 11,436.00 | 91.12 | 87.93 | 7,048.15 | 1,010.15 | 4,042.99 | 4,167.13 | 1.23 | 0.42 | 1.16 | |
| Last Svy | | | | | | | | | | |
| 11,530.00 | 92.80 | 85.81 | 7,044.93 | 1,015.28 | 4,136.79 | 4,259.52 | 2.88 | 1.79 | -2.26 | |
| Proj Svy | | | | | | | | | | |
| 11,638.00 | 92.80 | 85.81 | 7,039.65 | 1,023.16 | 4,244.37 | 4,365.95 | 0.00 | 0.00 | 0.00 | |

| Design Targets | | | | | | | | | |
|---|---------------|--------------|----------|------------|------------|-----------------|----------------|------------------|------------------|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| Kiteley 1 Hard Line Inter | 0.00 | 0.00 | 6,898.32 | 931.62 | -58.20 | 1,319,980.03 | 3,135,264.78 | 40° 12' 38.622 N | 105° 0' 56.439 W |
| - survey misses target center by 0.01ft at 7326.68ft MD (6898.32 TVD, 931.62 N, -58.19 E) | | | | | | | | | |
| - Point | | | | | | | | | |

| Survey Annotations | | | | |
|---------------------|---------------------|-------------------|------------|----------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
| | | +N/-S (ft) | +E/-W (ft) | |
| 11,530.00 | 7,044.93 | 1,015.28 | 4,136.79 | Last Svy |
| 11,638.00 | 7,039.65 | 1,023.16 | 4,244.37 | Proj Svy |

| | | |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|