

GMT Exploration

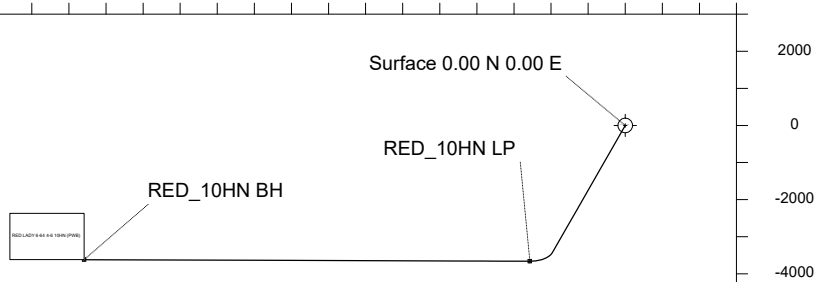
| | | | |
|--------------|---------------------|----------|------------------------------|
| Location | DJ Basin | Slot | RED LADY 6-64 4-6 10HN |
| Field | Elbert County Wells | Well | RED LADY 6-64 4-6 10HN |
| Installation | Ragged 6-64 4 Pad | Wellbore | RED LADY 6-64 4-6 10HN (PWB) |

| | |
|------------------------------|--|
| Created by | cdoke |
| Date plotted | 4-Apr-2023 |
| Plot reference is | RED LADY 6-64 4-6 10HN (PWB). |
| Ref wellpath is | RED LADY 6-64 4-6 10HN (PWB). |
| Coordinates are in | Feet reference RED LADY 6-64 4-6 10HN. |
| True Vertical Depths are | reference Rig Datum. |
| Measured Depths are | reference Rig Datum. |
| Rig Datum: | Planned Datum #1 |
| Rig Datum to Mean Sea Level: | 6014.20 ft. |
| Plot North is | aligned to TRUE North. |

Scale 1 cm = 1000 ft

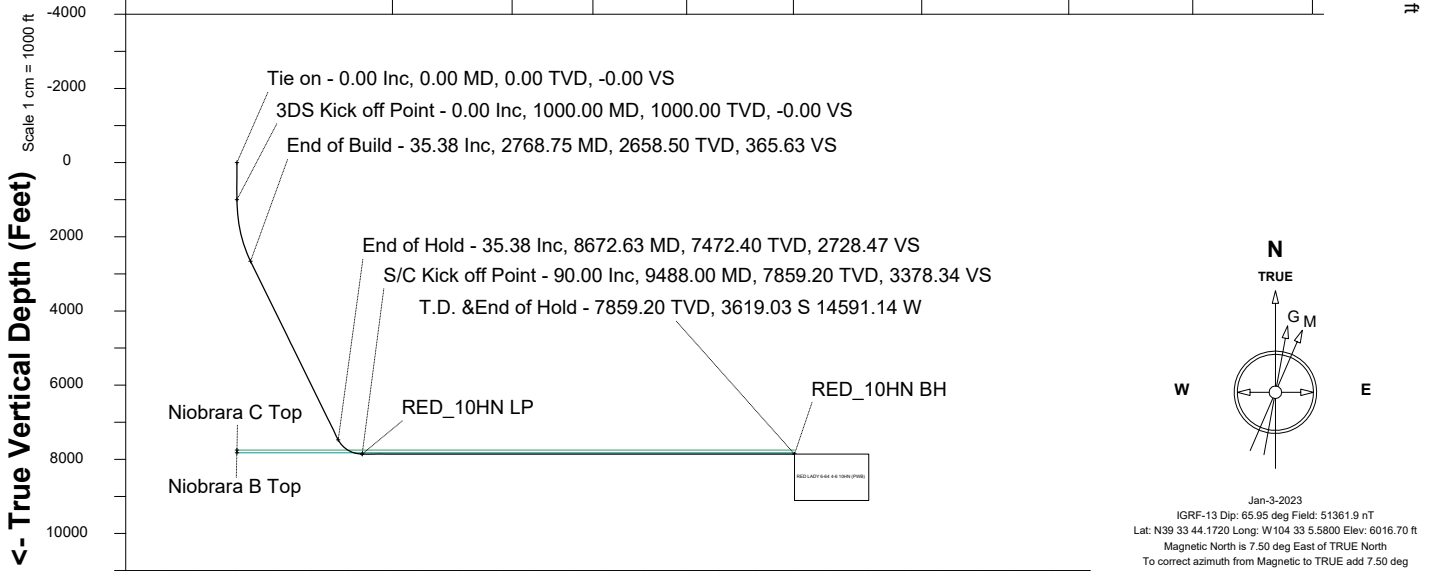
East (Feet) ->

-18000 -16000 -14000 -12000 -10000 -8000 -6000 -4000 -2000 0 2000



WELL PROFILE DATA

| Point | MD | Inc | Azi | TVD | North | East | deg/100ft | V. Sect |
|-------------------------|----------|-------|--------|---------|-----------|------------|-----------|----------|
| Tie on | 0.00 | 0.00 | 0.00 | 0.00 | S 0.00 | W 0.00 | | -0.00 |
| KOP | 1000.00 | 0.00 | 209.80 | 1000.00 | S 0.00 | W 0.00 | 0.00 | -0.00 |
| End of Build | 2768.75 | 35.38 | 209.80 | 2658.50 | S 458.94 | W 262.88 | 2.00 | 365.63 |
| End of Hold | 8672.63 | 35.38 | 209.80 | 7472.40 | S 3424.77 | W 1961.70 | 0.00 | 2728.47 |
| Target RED_10HN LP | 9488.00 | 90.00 | 270.20 | 7859.20 | S 3661.40 | W 2572.57 | 9.00 | 3378.34 |
| T.D. & Target RED... BH | 21506.64 | 90.00 | 270.20 | 7859.20 | S 3619.03 | W 14591.14 | 0.00 | 15033.26 |



Scale 1 cm = 1000 ft

Vertical Section (Feet) ->

Azimuth 256.07 with reference 0.00 N, 0.00 E from RED LADY 6-64 4-6 10HN

| Wellhead Details | | | | | | | |
|------------------------|----------------|----------------|--------------|--------------|---------|--------|--|
| Name | Latitude | Longitude | Northing | Easting | North | East | Slot Elevation Above Installation [ft] |
| RED LADY 6-64 4-6 10HN | N39 33 42.3864 | W104 33 4.4460 | 1084645.4670 | 3267502.7843 | 180.67S | 88.81E | -2.50 |

| Installation Details | | | | | | | |
|----------------------|----------------------------------|-----------------------------------|--------------|--------------|--|-----------------|------------------------|
| Name | Installation Position (Latitude) | Installation Position (Longitude) | Northing | Easting | Coord System Name | North Alignment | Ground Level Elev [ft] |
| Ragged 6-64 4 Pad | N39 33 44.1720 | W104 33 5.5800 | 1084825.1840 | 3267412.0415 | NAD83 Colorado State Planes, North Zone, US Foot | True | 6016.70 |

| Summary Wellpath | | | | | | | | |
|------------------|----------|----------|---------|-------------------|-----------|-----------|--------------------|----------------------|
| MD[ft] | Inc[deg] | Azi[deg] | TVD[ft] | Vertical Depth SS | North[ft] | East[ft] | Dogleg [deg/100ft] | Vertical Section[ft] |
| 0.00 | 0.00 | 0.00 | 0.00 | -6014.20 | 0.00N | 0.00E | | 0.00 |
| 1000.00 | 0.00 | 209.80 | 1000.00 | -5014.20 | 0.00N | 0.00E | ==> | 0.00 |
| 2768.75 | 35.38 | 209.80 | 2658.50 | -3355.70 | 458.94S | 262.88W | 2.00 | 365.63 |
| 8672.63 | 35.38 | 209.80 | 7472.40 | 1458.20 | 3424.77S | 1961.70W | ==> | 2728.47 |
| 9488.00 | 90.00 | 270.20 | 7859.20 | 1845.00 | 3661.40S | 2572.57W | 9.00 | 3378.34 |
| 21506.64 | 90.00 | 270.20 | 7859.20 | 1845.00 | 3619.03S | 14591.14W | ==> | 15033.26 |

| Interpolated Wellpath | | | | | | | | | | | |
|-----------------------|----------|----------|---------|-----------|----------|--------------------|----------------------|-----------------------------|------------------------------|----------------------------------|--|
| MD[ft] | Inc[deg] | Azi[deg] | TVD[ft] | North[ft] | East[ft] | Dogleg [deg/100ft] | Vertical Section[ft] | Station Position (Latitude) | Station Position (Longitude) | All Station Comments | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00N | 0.00E | | 0.00 | N39 33 42.3864 | W104 33 4.4460 | Tie on, Slot Datum | |
| 76.00 | 0.00 | 0.00 | 76.00 | 0.00N | 0.00E | ==> | 0.00 | N39 33 42.3864 | W104 33 4.4460 | Lower Dawson | |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00N | 0.00E | ==> | 0.00 | N39 33 42.3864 | W104 33 4.4460 | | |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00N | 0.00E | ==> | 0.00 | N39 33 42.3864 | W104 33 4.4460 | | |
| 201.00 | 0.00 | 0.00 | 201.00 | 0.00N | 0.00E | ==> | 0.00 | N39 33 42.3864 | W104 33 4.4460 | Denver | |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00N | 0.00E | ==> | 0.00 | N39 33 42.3864 | W104 33 4.4460 | | |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00N | 0.00E | ==> | 0.00 | N39 33 42.3864 | W104 33 4.4460 | | |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00N | 0.00E | ==> | 0.00 | N39 33 42.3864 | W104 33 4.4460 | | |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00N | 0.00E | ==> | 0.00 | N39 33 42.3864 | W104 33 4.4460 | | |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00N | 0.00E | ==> | 0.00 | N39 33 42.3864 | W104 33 4.4460 | | |
| 800.00 | 0.00 | 0.00 | 800.00 | 0.00N | 0.00E | ==> | 0.00 | N39 33 42.3864 | W104 33 4.4460 | | |
| 900.00 | 0.00 | 0.00 | 900.00 | 0.00N | 0.00E | ==> | 0.00 | N39 33 42.3864 | W104 33 4.4460 | | |
| 1000.00 | 0.00 | 209.80 | 1000.00 | 0.00N | 0.00E | ==> | 0.00 | N39 33 42.3864 | W104 33 4.4460 | 3DS Kick off Point | |
| 1088.01 | 1.76 | 209.80 | 1088.00 | 1.17S | 0.67W | 2.00 | 0.93 | N39 33 42.3748 | W104 33 4.4546 | Upper Arapahoe | |
| 1100.00 | 2.00 | 209.80 | 1099.98 | 1.51S | 0.87W | 2.00 | 1.21 | N39 33 42.3714 | W104 33 4.4571 | | |
| 1200.00 | 4.00 | 209.80 | 1199.84 | 6.06S | 3.47W | 2.00 | 4.82 | N39 33 42.3266 | W104 33 4.4903 | | |
| 1300.00 | 6.00 | 209.80 | 1299.45 | 13.62S | 7.80W | 2.00 | 10.85 | N39 33 42.2518 | W104 33 4.5456 | | |
| 1400.00 | 8.00 | 209.80 | 1398.70 | 24.19S | 13.86W | 2.00 | 19.27 | N39 33 42.1473 | W104 33 4.6229 | | |
| 1500.00 | 10.00 | 209.80 | 1497.47 | 37.77S | 21.63W | 2.00 | 30.09 | N39 33 42.0132 | W104 33 4.7222 | | |
| 1600.00 | 12.00 | 209.80 | 1595.62 | 54.32S | 31.12W | 2.00 | 43.28 | N39 33 41.8495 | W104 33 4.8433 | | |
| 1700.00 | 14.00 | 209.80 | 1693.06 | 73.84S | 42.30W | 2.00 | 58.83 | N39 33 41.6566 | W104 33 4.9860 | | |
| 1800.00 | 16.00 | 209.80 | 1789.64 | 96.30S | 55.16W | 2.00 | 76.72 | N39 33 41.4347 | W104 33 5.1503 | | |
| 1900.00 | 18.00 | 209.80 | 1885.27 | 121.67S | 69.69W | 2.00 | 96.93 | N39 33 41.1840 | W104 33 5.3358 | | |
| 1908.14 | 18.16 | 209.80 | 1893.00 | 123.86S | 70.95W | 2.00 | 98.68 | N39 33 41.1623 | W104 33 5.3519 | Laramie - Fox Hills | |
| 2000.00 | 20.00 | 209.80 | 1979.82 | 149.92S | 85.87W | 2.00 | 119.44 | N39 33 40.9048 | W104 33 5.5424 | | |
| 2100.00 | 22.00 | 209.80 | 2073.17 | 181.01S | 103.68W | 2.00 | 144.21 | N39 33 40.5975 | W104 33 5.7699 | | |
| 2158.31 | 23.17 | 209.80 | 2127.00 | 200.44S | 114.81W | 2.00 | 159.69 | N39 33 40.4054 | W104 33 5.9119 | Pierre Shale (Base of Fox Hills) | |
| 2200.00 | 24.00 | 209.80 | 2165.21 | 214.91S | 123.10W | 2.00 | 171.22 | N39 33 40.2624 | W104 33 6.0178 | | |
| 2300.00 | 26.00 | 209.80 | 2255.84 | 251.58S | 144.11W | 2.00 | 200.43 | N39 33 39.9000 | W104 33 6.2860 | | |
| 2400.00 | 28.00 | 209.80 | 2344.94 | 290.98S | 166.67W | 2.00 | 231.82 | N39 33 39.5107 | W104 33 6.5741 | | |
| 2500.00 | 30.00 | 209.80 | 2432.39 | 333.04S | 190.77W | 2.00 | 265.33 | N39 33 39.0949 | W104 33 6.8817 | | |
| 2600.00 | 32.00 | 209.80 | 2518.11 | 377.73S | 216.36W | 2.00 | 300.93 | N39 33 38.6532 | W104 33 7.2086 | | |
| 2700.00 | 34.00 | 209.80 | 2601.97 | 424.99S | 243.43W | 2.00 | 338.58 | N39 33 38.1862 | W104 33 7.5542 | | |
| 2768.75 | 35.38 | 209.80 | 2658.50 | 458.94S | 262.88W | 2.00 | 365.63 | N39 33 37.8506 | W104 33 7.8025 | End of Build | |
| 2800.00 | 35.38 | 209.80 | 2683.98 | 474.64S | 271.87W | ==> | 378.14 | N39 33 37.6955 | W104 33 7.9173 | | |
| 2900.00 | 35.38 | 209.80 | 2765.52 | 524.87S | 300.65W | ==> | 418.16 | N39 33 37.1990 | W104 33 8.2847 | | |
| 3000.00 | 35.38 | 209.80 | 2847.06 | 575.11S | 329.42W | ==> | 458.18 | N39 33 36.7025 | W104 33 8.6521 | | |
| 3100.00 | 35.38 | 209.80 | 2928.59 | 625.34S | 358.20W | ==> | 498.20 | N39 33 36.2061 | W104 33 9.0195 | | |
| 3200.00 | 35.38 | 209.80 | 3010.13 | 675.58S | 386.97W | ==> | 538.23 | N39 33 35.7096 | W104 33 9.3869 | | |
| 3300.00 | 35.38 | 209.80 | 3091.67 | 725.81S | 415.74W | ==> | 578.25 | N39 33 35.2131 | W104 33 9.7542 | | |
| 3400.00 | 35.38 | 209.80 | 3173.21 | 776.05S | 444.52W | ==> | 618.27 | N39 33 34.7166 | W104 33 10.1216 | | |
| 3500.00 | 35.38 | 209.80 | 3254.75 | 826.28S | 473.29W | ==> | 658.29 | N39 33 34.2201 | W104 33 10.4890 | | |
| 3600.00 | 35.38 | 209.80 | 3336.28 | 876.52S | 502.07W | ==> | 698.31 | N39 33 33.7236 | W104 33 10.8564 | | |
| 3700.00 | 35.38 | 209.80 | 3417.82 | 926.76S | 530.84W | ==> | 738.33 | N39 33 33.2272 | W104 33 11.2238 | | |
| 3800.00 | 35.38 | 209.80 | 3499.36 | 976.99S | 559.62W | ==> | 778.36 | N39 33 32.7307 | W104 33 11.5911 | | |
| 3900.00 | 35.38 | 209.80 | 3580.90 | 1027.23S | 588.39W | ==> | 818.38 | N39 33 32.2342 | W104 33 11.9585 | | |
| 4000.00 | 35.38 | 209.80 | 3662.44 | 1077.46S | 617.17W | ==> | 858.40 | N39 33 31.7377 | W104 33 12.3259 | | |
| 4100.00 | 35.38 | 209.80 | 3743.97 | 1127.70S | 645.94W | ==> | 898.42 | N39 33 31.2412 | W104 33 12.6933 | | |
| 4200.00 | 35.38 | 209.80 | 3825.51 | 1177.93S | 674.72W | ==> | 938.44 | N39 33 30.7447 | W104 33 13.0606 | | |
| 4300.00 | 35.38 | 209.80 | 3907.05 | 1228.17S | 703.49W | ==> | 978.47 | N39 33 30.2482 | W104 33 13.4280 | | |
| 4400.00 | 35.38 | 209.80 | 3988.59 | 1278.40S | 732.27W | ==> | 1018.49 | N39 33 29.7518 | W104 33 13.7954 | | |
| 4500.00 | 35.38 | 209.80 | 4070.12 | 1328.64S | 761.04W | ==> | 1058.51 | N39 33 29.2553 | W104 33 14.1627 | | |

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 6014.2ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 256.07 degrees
Bottom hole distance is 15033.26 Feet on azimuth 256.07 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 6-Apr-2023

| Interpolated Wellpath | | | | | | | | | | |
|-----------------------|----------|----------|---------|-----------|----------|-----------------------|-------------------------|--------------------------------|---------------------------------|--|
| MD[ft] | Inc[deg] | Azi[deg] | TVD[ft] | North[ft] | East[ft] | Dogleg [deg/100ft] | Vertical Section[ft] | Station Position (Latitude) | Station Position (Longitude) | All Station Comments |
| 4600.00 | 35.38 | 209.80 | 4151.66 | 1378.87S | 789.82W | ==> | 1098.53 | N39 33 28.7588 | W104 33 14.5301 | |
| 4700.00 | 35.38 | 209.80 | 4233.20 | 1429.11S | 818.59W | ==> | 1138.55 | N39 33 28.2623 | W104 33 14.8975 | |
| 4800.00 | 35.38 | 209.80 | 4314.74 | 1479.34S | 847.36W | ==> | 1178.57 | N39 33 27.7658 | W104 33 15.2648 | |
| 4900.00 | 35.38 | 209.80 | 4396.28 | 1529.58S | 876.14W | ==> | 1218.60 | N39 33 27.2693 | W104 33 15.6322 | |
| 5000.00 | 35.38 | 209.80 | 4477.81 | 1579.81S | 904.91W | ==> | 1258.62 | N39 33 26.7728 | W104 33 15.9996 | |
| 5100.00 | 35.38 | 209.80 | 4559.35 | 1630.05S | 933.69W | ==> | 1298.64 | N39 33 26.2763 | W104 33 16.3669 | |
| 5200.00 | 35.38 | 209.80 | 4640.89 | 1680.28S | 962.46W | ==> | 1338.66 | N39 33 25.7798 | W104 33 16.7343 | |
| 5300.00 | 35.38 | 209.80 | 4722.43 | 1730.52S | 991.24W | ==> | 1378.68 | N39 33 25.2834 | W104 33 17.1016 | |
| 5400.00 | 35.38 | 209.80 | 4803.97 | 1780.76S | 1020.01W | ==> | 1418.70 | N39 33 24.7869 | W104 33 17.4690 | |
| 5500.00 | 35.38 | 209.80 | 4885.50 | 1830.99S | 1048.79W | ==> | 1458.73 | N39 33 24.2904 | W104 33 17.8363 | |
| 5600.00 | 35.38 | 209.80 | 4967.04 | 1881.23S | 1077.56W | ==> | 1498.75 | N39 33 23.7939 | W104 33 18.2037 | |
| 5700.00 | 35.38 | 209.80 | 5048.58 | 1931.46S | 1106.34W | ==> | 1538.77 | N39 33 23.2974 | W104 33 18.5710 | |
| 5800.00 | 35.38 | 209.80 | 5130.12 | 1981.70S | 1135.11W | ==> | 1578.79 | N39 33 22.8009 | W104 33 18.9384 | |
| 5900.00 | 35.38 | 209.80 | 5211.66 | 2031.93S | 1163.89W | ==> | 1618.81 | N39 33 22.3044 | W104 33 19.3057 | |
| 6000.00 | 35.38 | 209.80 | 5293.19 | 2082.17S | 1192.66W | ==> | 1658.84 | N39 33 21.8079 | W104 33 19.6731 | |
| 6100.00 | 35.38 | 209.80 | 5374.73 | 2132.40S | 1221.44W | ==> | 1698.86 | N39 33 21.3114 | W104 33 20.0404 | |
| 6200.00 | 35.38 | 209.80 | 5456.27 | 2182.64S | 1250.21W | ==> | 1738.88 | N39 33 20.8149 | W104 33 20.4078 | |
| 6200.90 | 35.38 | 209.80 | 5457.00 | 2183.09S | 1250.47W | ==> | 1739.24 | N39 33 20.8105 | W104 33 20.4111 | Sussex Sandstone |
| 6300.00 | 35.38 | 209.80 | 5537.81 | 2232.87S | 1278.98W | ==> | 1778.90 | N39 33 20.3184 | W104 33 20.7751 | |
| 6400.00 | 35.38 | 209.80 | 5619.35 | 2283.11S | 1307.76W | ==> | 1818.92 | N39 33 19.8219 | W104 33 21.1425 | |
| 6500.00 | 35.38 | 209.80 | 5700.88 | 2333.34S | 1336.53W | ==> | 1858.94 | N39 33 19.3255 | W104 33 21.5098 | |
| 6600.00 | 35.38 | 209.80 | 5782.42 | 2383.58S | 1365.31W | ==> | 1898.97 | N39 33 18.8290 | W104 33 21.8771 | |
| 6700.00 | 35.38 | 209.80 | 5863.96 | 2433.81S | 1394.08W | ==> | 1938.99 | N39 33 18.3325 | W104 33 22.2445 | |
| 6800.00 | 35.38 | 209.80 | 5945.50 | 2484.05S | 1422.86W | ==> | 1979.01 | N39 33 17.8360 | W104 33 22.6118 | |
| 6900.00 | 35.38 | 209.80 | 6027.04 | 2534.28S | 1451.63W | ==> | 2019.03 | N39 33 17.3395 | W104 33 22.9791 | |
| 7000.00 | 35.38 | 209.80 | 6108.57 | 2584.52S | 1480.41W | ==> | 2059.05 | N39 33 16.8430 | W104 33 23.3465 | |
| 7100.00 | 35.38 | 209.80 | 6190.11 | 2634.75S | 1509.18W | ==> | 2099.08 | N39 33 16.3465 | W104 33 23.7138 | |
| 7200.00 | 35.38 | 209.80 | 6271.65 | 2684.99S | 1537.96W | ==> | 2139.10 | N39 33 15.8500 | W104 33 24.0811 | |
| 7300.00 | 35.38 | 209.80 | 6353.19 | 2735.23S | 1566.73W | ==> | 2179.12 | N39 33 15.3535 | W104 33 24.4484 | |
| 7400.00 | 35.38 | 209.80 | 6434.73 | 2785.46S | 1595.51W | ==> | 2219.14 | N39 33 14.8570 | W104 33 24.8158 | |
| 7500.00 | 35.38 | 209.80 | 6516.26 | 2835.70S | 1624.28W | ==> | 2259.16 | N39 33 14.3605 | W104 33 25.1831 | |
| 7600.00 | 35.38 | 209.80 | 6597.80 | 2885.93S | 1653.06W | ==> | 2299.18 | N39 33 13.8640 | W104 33 25.5504 | |
| 7700.00 | 35.38 | 209.80 | 6679.34 | 2936.17S | 1681.83W | ==> | 2339.21 | N39 33 13.3675 | W104 33 25.9177 | |
| 7800.00 | 35.38 | 209.80 | 6760.88 | 2986.40S | 1710.60W | ==> | 2379.23 | N39 33 12.8710 | W104 33 26.2851 | |
| 7900.00 | 35.38 | 209.80 | 6842.42 | 3036.64S | 1739.38W | ==> | 2419.25 | N39 33 12.3745 | W104 33 26.6524 | |
| 8000.00 | 35.38 | 209.80 | 6923.95 | 3086.87S | 1768.15W | ==> | 2459.27 | N39 33 11.8780 | W104 33 27.0197 | |
| 8100.00 | 35.38 | 209.80 | 7005.49 | 3137.11S | 1796.93W | ==> | 2499.29 | N39 33 11.3815 | W104 33 27.3870 | |
| 8200.00 | 35.38 | 209.80 | 7087.03 | 3187.34S | 1825.70W | ==> | 2539.32 | N39 33 10.8850 | W104 33 27.7543 | |
| 8300.00 | 35.38 | 209.80 | 7168.57 | 3237.58S | 1854.48W | ==> | 2579.34 | N39 33 10.3885 | W104 33 28.1216 | |
| 8400.00 | 35.38 | 209.80 | 7250.10 | 3287.81S | 1883.25W | ==> | 2619.36 | N39 33 9.8920 | W104 33 28.4889 | |
| 8500.00 | 35.38 | 209.80 | 7331.64 | 3338.05S | 1912.03W | ==> | 2659.38 | N39 33 9.3955 | W104 33 28.8562 | |
| 8600.00 | 35.38 | 209.80 | 7413.18 | 3388.28S | 1940.80W | ==> | 2699.40 | N39 33 8.8990 | W104 33 29.2236 | |
| 8672.63 | 35.38 | 209.80 | 7472.40 | 3424.77S | 1961.70W | ==> | 2728.47 | N39 33 8.5384 | W104 33 29.4903 | End of Hold |
| 8700.00 | 36.47 | 213.57 | 7494.57 | 3438.42S | 1970.14W | 9.00 | 2739.95 | N39 33 8.4034 | W104 33 29.5980 | |
| 8792.74 | 40.95 | 224.85 | 7567.00 | 3483.01S | 2006.87W | 9.00 | 2786.34 | N39 33 7.9627 | W104 33 30.0670 | Sharon Springs Shale |
| 8800.00 | 41.34 | 225.65 | 7572.48 | 3486.38S | 2010.27W | 9.00 | 2790.44 | N39 33 7.9295 | W104 33 30.1103 | |
| 8860.96 | 44.84 | 231.83 | 7617.00 | 3513.76S | 2041.59W | 9.00 | 2827.43 | N39 33 7.6589 | W104 33 30.5101 | Niobrara |
| 8875.18 | 45.71 | 233.17 | 7627.01 | 3519.90S | 2049.60W | 9.00 | 2836.69 | N39 33 7.5981 | W104 33 30.6124 | Niobrara A |
| 8900.00 | 47.25 | 235.40 | 7644.10 | 3530.41S | 2064.22W | 9.00 | 2853.40 | N39 33 7.4943 | W104 33 30.7990 | |
| 9000.00 | 53.83 | 243.37 | 7707.69 | 3569.43S | 2130.65W | 9.00 | 2927.28 | N39 33 7.1086 | W104 33 31.6471 | |
| 9080.58 | 59.46 | 248.84 | 7752.00 | 3596.57S | 2192.17W | 9.00 | 2993.52 | N39 33 6.8403 | W104 33 32.4324 | Niobrara B Top |
| 9100.00 | 60.85 | 250.06 | 7761.67 | 3602.48S | 2207.94W | 9.00 | 3010.25 | N39 33 6.7819 | W104 33 32.6338 | |
| 9200.00 | 68.16 | 255.88 | 7804.71 | 3628.74S | 2294.18W | 9.00 | 3100.27 | N39 33 6.5222 | W104 33 33.7347 | |
| 9250.72 | 71.95 | 258.60 | 7822.01 | 3639.26S | 2340.67W | 9.00 | 3147.93 | N39 33 6.4183 | W104 33 34.3282 | Niobrara C Top |
| 9300.00 | 75.66 | 261.12 | 7835.75 | 3647.58S | 2387.24W | 9.00 | 3195.14 | N39 33 6.3360 | W104 33 34.9228 | |
| 9400.00 | 83.27 | 266.02 | 7854.03 | 3658.52S | 2484.84W | 9.00 | 3292.50 | N39 33 6.2278 | W104 33 36.1688 | |
| 9488.00 | 90.00 | 270.20 | 7859.20 | 3661.40S | 2572.57W | 9.00 | 3378.34 | N39 33 6.1992 | W104 33 37.2888 | S/C Kick off Point/Target, RED 10HN LP |
| 9500.00 | 90.00 | 270.20 | 7859.20 | 3661.36S | 2584.57W | ==> | 3389.98 | N39 33 6.1996 | W104 33 37.4420 | |
| 9600.00 | 90.00 | 270.20 | 7859.20 | 3661.01S | 2684.57W | ==> | 3486.95 | N39 33 6.2030 | W104 33 38.7186 | |
| 9700.00 | 90.00 | 270.20 | 7859.20 | 3660.66S | 2784.57W | ==> | 3583.93 | N39 33 6.2064 | W104 33 39.9953 | |
| 9800.00 | 90.00 | 270.20 | 7859.20 | 3660.30S | 2884.57W | ==> | 3680.90 | N39 33 6.2097 | W104 33 41.2719 | |
| 9900.00 | 90.00 | 270.20 | 7859.20 | 3659.95S | 2984.57W | ==> | 3777.87 | N39 33 6.2131 | W104 33 42.5486 | |
| 10000.00 | 90.00 | 270.20 | 7859.20 | 3659.60S | 3084.57W | ==> | 3874.85 | N39 33 6.2165 | W104 33 43.8252 | |
| 10100.00 | 90.00 | 270.20 | 7859.20 | 3659.24S | 3184.57W | ==> | 3971.82 | N39 33 6.2198 | W104 33 45.1019 | |
| 10200.00 | 90.00 | 270.20 | 7859.20 | 3658.89S | 3284.57W | ==> | 4068.80 | N39 33 6.2232 | W104 33 46.3785 | |
| 10300.00 | 90.00 | 270.20 | 7859.20 | 3658.54S | 3384.57W | ==> | 4165.77 | N39 33 6.2265 | W104 33 47.6552 | |
| 10400.00 | 90.00 | 270.20 | 7859.20 | 3658.19S | 3484.57W | ==> | 4262.74 | N39 33 6.2299 | W104 33 48.9318 | |
| 10500.00 | 90.00 | 270.20 | 7859.20 | 3657.83S | 3584.57W | ==> | 4359.72 | N39 33 6.2332 | W104 33 50.2084 | |
| 10600.00 | 90.00 | 270.20 | 7859.20 | 3657.48S | 3684.57W | ==> | 4456.69 | N39 33 6.2366 | W104 33 51.4851 | |
| 10700.00 | 90.00 | 270.20 | 7859.20 | 3657.13S | 3784.57W | ==> | 4553.66 | N39 33 6.2399 | W104 33 52.7617 | |
| 10800.00 | 90.00 | 270.20 | 7859.20 | 3656.78S | 3884.56W | ==> | 4650.64 | N39 33 6.2432 | W104 33 54.0384 | |
| 10900.00 | 90.00 | 270.20 | 7859.20 | 3656.42S | 3984.56W | ==> | 4747.61 | N39 33 6.2466 | W104 33 55.3150 | |
| 11000.00 | 90.00 | 270.20 | 7859.20 | 3656.07S | 4084.56W | ==> | 4844.58 | N39 33 6.2499 | W104 33 56.5917 | |
| 11100.00 | 90.00 | 270.20 | 7859.20 | 3655.72S | 4184.56W | ==> | 4941.56 | N39 33 6.2532 | W104 33 57.8683 | |
| 11200.00 | 90.00 | 270.20 | 7859.20 | 3655.37S | 4284.56W | ==> | 5038.53 | N39 33 6.2565 | W104 33 59.1450 | |
| 11300.00 | 90.00 | 270.20 | 7859.20 | 3655.01S | 4384.56W | ==> | 5135.51 | N39 33 6.2598 | W104 34 0.4216 | |
| 11400.00 | 90.00 | 270.20 | 7859.20 | 3654.66S | 4484.56W | ==> | 5232.48 | N39 33 6.2632 | W104 34 1.6982 | |
| 11500.00 | 90.00 | 270.20 | 7859.20 | 3654.31S | 4584.56W | ==> | 5329.45 | N39 33 6.2665 | W104 34 2.9749 | |
| 11600.00 | 90.00 | 270.20 | 7859.20 | 3653.96S | 4684.56W | ==> | 5426.43 | N39 33 6.2698 | W104 34 4.2515 | |
| 11700.00 | 90.00 | 270.20 | 7859.20 | 3653.60S | 4784.56W | ==> | 5523.40 | N39 33 6.2731 | W104 34 5.5282 | |
| 11800.00 | 90.00 | 270.20 | 7859.20 | 3653.25S | 4884.56W | ==> | 5620.37 | N39 33 6.2764 | W104 34 6.8048 | |
| 11900.00 | 90.00 | 270.20 | 7859.20 | 3652.90S | 4984.56W | ==> | 5717.35 | N39 33 6.2796 | W104 34 8.0815 | |
| 12000.00 | 90.00 | 270.20 | 7859.20 | 3652.55S | 5084.56W | ==> | 5814.32 | N39 33 6.2829 | W104 34 9.3581 | |

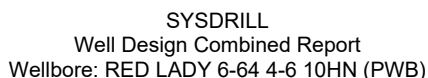
All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 6014.2ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 256.07 degrees
Bottom hole distance is 15033.26 Feet on azimuth 256.07 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 6-Apr-2023

| Interpolated Wellpath | | | | | | | | | | |
|-----------------------|----------|----------|---------|-----------|-----------|-----------------------|-------------------------|--------------------------------|---------------------------------|-------------------------|
| MD[ft] | Inc[deg] | Azi[deg] | TVD[ft] | North[ft] | East[ft] | Dogleg [deg/100ft] | Vertical Section[ft] | Station Position (Latitude) | Station Position (Longitude) | All Station Comments |
| 12100.00 | 90.00 | 270.20 | 7859.20 | 3652.19S | 5184.56W | ==> | 5911.29 | N39 33 6.2862 | W104 34 10.6348 | |
| 12200.00 | 90.00 | 270.20 | 7859.20 | 3651.84S | 5284.56W | ==> | 6008.27 | N39 33 6.2895 | W104 34 11.9114 | |
| 12300.00 | 90.00 | 270.20 | 7859.20 | 3651.49S | 5384.56W | ==> | 6105.24 | N39 33 6.2928 | W104 34 13.1881 | |
| 12400.00 | 90.00 | 270.20 | 7859.20 | 3651.14S | 5484.55W | ==> | 6202.21 | N39 33 6.2960 | W104 34 14.4647 | |
| 12500.00 | 90.00 | 270.20 | 7859.20 | 3650.78S | 5584.55W | ==> | 6299.19 | N39 33 6.2993 | W104 34 15.7413 | |
| 12600.00 | 90.00 | 270.20 | 7859.20 | 3650.43S | 5684.55W | ==> | 6396.16 | N39 33 6.3026 | W104 34 17.0180 | |
| 12700.00 | 90.00 | 270.20 | 7859.20 | 3650.08S | 5784.55W | ==> | 6493.14 | N39 33 6.3058 | W104 34 18.2946 | |
| 12800.00 | 90.00 | 270.20 | 7859.20 | 3649.73S | 5884.55W | ==> | 6590.11 | N39 33 6.3091 | W104 34 19.5713 | |
| 12900.00 | 90.00 | 270.20 | 7859.20 | 3649.37S | 5984.55W | ==> | 6687.08 | N39 33 6.3123 | W104 34 20.8479 | |
| 13000.00 | 90.00 | 270.20 | 7859.20 | 3649.02S | 6084.55W | ==> | 6784.06 | N39 33 6.3156 | W104 34 22.1246 | |
| 13100.00 | 90.00 | 270.20 | 7859.20 | 3648.67S | 6184.55W | ==> | 6881.03 | N39 33 6.3188 | W104 34 23.4012 | |
| 13200.00 | 90.00 | 270.20 | 7859.20 | 3648.32S | 6284.55W | ==> | 6978.00 | N39 33 6.3220 | W104 34 24.6779 | |
| 13300.00 | 90.00 | 270.20 | 7859.20 | 3647.96S | 6384.55W | ==> | 7074.98 | N39 33 6.3253 | W104 34 25.9545 | |
| 13400.00 | 90.00 | 270.20 | 7859.20 | 3647.61S | 6484.55W | ==> | 7171.95 | N39 33 6.3285 | W104 34 27.2312 | |
| 13500.00 | 90.00 | 270.20 | 7859.20 | 3647.26S | 6584.55W | ==> | 7268.92 | N39 33 6.3317 | W104 34 28.5078 | |
| 13600.00 | 90.00 | 270.20 | 7859.20 | 3646.91S | 6684.55W | ==> | 7365.90 | N39 33 6.3350 | W104 34 29.7845 | |
| 13700.00 | 90.00 | 270.20 | 7859.20 | 3646.55S | 6784.55W | ==> | 7462.87 | N39 33 6.3382 | W104 34 31.0611 | |
| 13800.00 | 90.00 | 270.20 | 7859.20 | 3646.20S | 6884.55W | ==> | 7559.85 | N39 33 6.3414 | W104 34 32.3377 | |
| 13900.00 | 90.00 | 270.20 | 7859.20 | 3645.85S | 6984.55W | ==> | 7656.82 | N39 33 6.3446 | W104 34 33.6144 | |
| 14000.00 | 90.00 | 270.20 | 7859.20 | 3645.50S | 7084.54W | ==> | 7753.79 | N39 33 6.3478 | W104 34 34.8910 | |
| 14100.00 | 90.00 | 270.20 | 7859.20 | 3645.14S | 7184.54W | ==> | 7850.77 | N39 33 6.3510 | W104 34 36.1677 | |
| 14200.00 | 90.00 | 270.20 | 7859.20 | 3644.79S | 7284.54W | ==> | 7947.74 | N39 33 6.3542 | W104 34 37.4443 | |
| 14300.00 | 90.00 | 270.20 | 7859.20 | 3644.44S | 7384.54W | ==> | 8044.71 | N39 33 6.3574 | W104 34 38.7210 | |
| 14400.00 | 90.00 | 270.20 | 7859.20 | 3644.09S | 7484.54W | ==> | 8141.69 | N39 33 6.3606 | W104 34 39.9976 | |
| 14500.00 | 90.00 | 270.20 | 7859.20 | 3643.73S | 7584.54W | ==> | 8238.66 | N39 33 6.3638 | W104 34 41.2743 | |
| 14600.00 | 90.00 | 270.20 | 7859.20 | 3643.38S | 7684.54W | ==> | 8335.63 | N39 33 6.3670 | W104 34 42.5509 | |
| 14700.00 | 90.00 | 270.20 | 7859.20 | 3643.03S | 7784.54W | ==> | 8432.61 | N39 33 6.3701 | W104 34 43.8276 | |
| 14800.00 | 90.00 | 270.20 | 7859.20 | 3642.67S | 7884.54W | ==> | 8529.58 | N39 33 6.3733 | W104 34 45.1042 | |
| 14900.00 | 90.00 | 270.20 | 7859.20 | 3642.32S | 7984.54W | ==> | 8626.56 | N39 33 6.3765 | W104 34 46.3809 | |
| 15000.00 | 90.00 | 270.20 | 7859.20 | 3641.97S | 8084.54W | ==> | 8723.53 | N39 33 6.3796 | W104 34 47.6575 | |
| 15100.00 | 90.00 | 270.20 | 7859.20 | 3641.62S | 8184.54W | ==> | 8820.50 | N39 33 6.3828 | W104 34 48.9341 | |
| 15200.00 | 90.00 | 270.20 | 7859.20 | 3641.26S | 8284.54W | ==> | 8917.48 | N39 33 6.3860 | W104 34 50.2108 | |
| 15300.00 | 90.00 | 270.20 | 7859.20 | 3640.91S | 8384.54W | ==> | 9014.45 | N39 33 6.3891 | W104 34 51.4874 | |
| 15400.00 | 90.00 | 270.20 | 7859.20 | 3640.56S | 8484.54W | ==> | 9111.42 | N39 33 6.3923 | W104 34 52.7641 | |
| 15500.00 | 90.00 | 270.20 | 7859.20 | 3640.21S | 8584.54W | ==> | 9208.40 | N39 33 6.3954 | W104 34 54.0407 | |
| 15600.00 | 90.00 | 270.20 | 7859.20 | 3639.85S | 8684.53W | ==> | 9305.37 | N39 33 6.3986 | W104 34 55.3174 | |
| 15700.00 | 90.00 | 270.20 | 7859.20 | 3639.50S | 8784.53W | ==> | 9402.34 | N39 33 6.4017 | W104 34 56.5940 | |
| 15800.00 | 90.00 | 270.20 | 7859.20 | 3639.15S | 8884.53W | ==> | 9499.32 | N39 33 6.4048 | W104 34 57.8707 | |
| 15900.00 | 90.00 | 270.20 | 7859.20 | 3638.80S | 8984.53W | ==> | 9596.29 | N39 33 6.4080 | W104 34 59.1473 | |
| 16000.00 | 90.00 | 270.20 | 7859.20 | 3638.44S | 9084.53W | ==> | 9693.26 | N39 33 6.4111 | W104 35 0.4240 | |
| 16100.00 | 90.00 | 270.20 | 7859.20 | 3638.09S | 9184.53W | ==> | 9790.24 | N39 33 6.4142 | W104 35 1.7006 | |
| 16200.00 | 90.00 | 270.20 | 7859.20 | 3637.74S | 9284.53W | ==> | 9887.21 | N39 33 6.4173 | W104 35 2.9773 | |
| 16300.00 | 90.00 | 270.20 | 7859.20 | 3637.39S | 9384.53W | ==> | 9984.19 | N39 33 6.4205 | W104 35 4.2539 | |
| 16400.00 | 90.00 | 270.20 | 7859.20 | 3637.03S | 9484.53W | ==> | 10081.16 | N39 33 6.4236 | W104 35 5.5305 | |
| 16500.00 | 90.00 | 270.20 | 7859.20 | 3636.68S | 9584.53W | ==> | 10178.13 | N39 33 6.4267 | W104 35 6.8072 | |
| 16600.00 | 90.00 | 270.20 | 7859.20 | 3636.33S | 9684.53W | ==> | 10275.11 | N39 33 6.4298 | W104 35 8.0838 | |
| 16700.00 | 90.00 | 270.20 | 7859.20 | 3635.98S | 9784.53W | ==> | 10372.08 | N39 33 6.4329 | W104 35 9.3605 | |
| 16800.00 | 90.00 | 270.20 | 7859.20 | 3635.62S | 9884.53W | ==> | 10469.05 | N39 33 6.4360 | W104 35 10.6371 | |
| 16900.00 | 90.00 | 270.20 | 7859.20 | 3635.27S | 9984.53W | ==> | 10566.03 | N39 33 6.4391 | W104 35 11.9138 | |
| 17000.00 | 90.00 | 270.20 | 7859.20 | 3634.92S | 10084.53W | ==> | 10663.00 | N39 33 6.4422 | W104 35 13.1904 | |
| 17100.00 | 90.00 | 270.20 | 7859.20 | 3634.57S | 10184.53W | ==> | 10759.97 | N39 33 6.4452 | W104 35 14.4671 | |
| 17200.00 | 90.00 | 270.20 | 7859.20 | 3634.21S | 10284.52W | ==> | 10856.95 | N39 33 6.4483 | W104 35 15.7437 | |
| 17300.00 | 90.00 | 270.20 | 7859.20 | 3633.86S | 10384.52W | ==> | 10953.92 | N39 33 6.4514 | W104 35 17.0204 | |
| 17400.00 | 90.00 | 270.20 | 7859.20 | 3633.51S | 10484.52W | ==> | 11050.90 | N39 33 6.4545 | W104 35 18.2970 | |
| 17500.00 | 90.00 | 270.20 | 7859.20 | 3633.16S | 10584.52W | ==> | 11147.87 | N39 33 6.4575 | W104 35 19.5737 | |
| 17600.00 | 90.00 | 270.20 | 7859.20 | 3632.80S | 10684.52W | ==> | 11244.84 | N39 33 6.4606 | W104 35 20.8503 | |
| 17700.00 | 90.00 | 270.20 | 7859.20 | 3632.45S | 10784.52W | ==> | 11341.82 | N39 33 6.4637 | W104 35 22.1270 | |
| 17800.00 | 90.00 | 270.20 | 7859.20 | 3632.10S | 10884.52W | ==> | 11438.79 | N39 33 6.4667 | W104 35 23.4036 | |
| 17900.00 | 90.00 | 270.20 | 7859.20 | 3631.75S | 10984.52W | ==> | 11535.76 | N39 33 6.4698 | W104 35 24.6803 | |
| 18000.00 | 90.00 | 270.20 | 7859.20 | 3631.39S | 11084.52W | ==> | 11632.74 | N39 33 6.4728 | W104 35 25.9569 | |
| 18100.00 | 90.00 | 270.20 | 7859.20 | 3631.04S | 11184.52W | ==> | 11729.71 | N39 33 6.4759 | W104 35 27.2335 | |
| 18200.00 | 90.00 | 270.20 | 7859.20 | 3630.69S | 11284.52W | ==> | 11826.68 | N39 33 6.4789 | W104 35 28.5102 | |
| 18300.00 | 90.00 | 270.20 | 7859.20 | 3630.34S | 11384.52W | ==> | 11923.66 | N39 33 6.4819 | W104 35 29.7868 | |
| 18400.00 | 90.00 | 270.20 | 7859.20 | 3629.98S | 11484.52W | ==> | 12020.63 | N39 33 6.4850 | W104 35 31.0635 | |
| 18500.00 | 90.00 | 270.20 | 7859.20 | 3629.63S | 11584.52W | ==> | 12117.61 | N39 33 6.4880 | W104 35 32.3401 | |
| 18600.00 | 90.00 | 270.20 | 7859.20 | 3629.28S | 11684.52W | ==> | 12214.58 | N39 33 6.4910 | W104 35 33.6168 | |
| 18700.00 | 90.00 | 270.20 | 7859.20 | 3628.93S | 11784.52W | ==> | 12311.55 | N39 33 6.4940 | W104 35 34.8934 | |
| 18800.00 | 90.00 | 270.20 | 7859.20 | 3628.57S | 11884.51W | ==> | 12408.53 | N39 33 6.4971 | W104 35 36.1701 | |
| 18900.00 | 90.00 | 270.20 | 7859.20 | 3628.22S | 11984.51W | ==> | 12505.50 | N39 33 6.5001 | W104 35 37.4467 | |
| 19000.00 | 90.00 | 270.20 | 7859.20 | 3627.87S | 12084.51W | ==> | 12602.47 | N39 33 6.5031 | W104 35 38.7234 | |
| 19100.00 | 90.00 | 270.20 | 7859.20 | 3627.52S | 12184.51W | ==> | 12699.45 | N39 33 6.5061 | W104 35 40.0000 | |
| 19200.00 | 90.00 | 270.20 | 7859.20 | 3627.16S | 12284.51W | ==> | 12796.42 | N39 33 6.5091 | W104 35 41.2767 | |
| 19300.00 | 90.00 | 270.20 | 7859.20 | 3626.81S | 12384.51W | ==> | 12893.39 | N39 33 6.5121 | W104 35 42.5533 | |
| 19400.00 | 90.00 | 270.20 | 7859.20 | 3626.46S | 12484.51W | ==> | 12990.37 | N39 33 6.5151 | W104 35 43.8300 | |
| 19500.00 | 90.00 | 270.20 | 7859.20 | 3626.10S | 12584.51W | ==> | 13087.34 | N39 33 6.5181 | W104 35 45.1066 | |
| 19600.00 | 90.00 | 270.20 | 7859.20 | 3625.75S | 12684.51W | ==> | 13184.32 | N39 33 6.5210 | W104 35 46.3833 | |
| 19700.00 | 90.00 | 270.20 | 7859.20 | 3625.40S | 12784.51W | ==> | 13281.29 | N39 33 6.5240 | W104 35 47.6599 | |
| 19800.00 | 90.00 | 270.20 | 7859.20 | 3625.05S | 12884.51W | ==> | 13378.26 | N39 33 6.5270 | W104 35 48.9366 | |
| 19900.00 | 90.00 | 270.20 | 7859.20 | 3624.69S | 12984.51W | ==> | 13475.24 | N39 33 6.5300 | W104 35 50.2132 | |
| 20000.00 | 90.00 | 270.20 | 7859.20 | 3624.34S | 13084.51W | ==> | 13572.21 | N39 33 6.5329 | W104 35 51.4899 | |
| 20100.00 | 90.00 | 270.20 | 7859.20 | 3623.99S | 13184.51W | ==> | 13669.18 | N39 33 6.5359 | W104 35 52.7665 | |
| 20200.00 | 90.00 | 270.20 | 7859.20 | 3623.64S | 13284.51W | ==> | 13766.16 | N39 33 6.5389 | W104 35 54.0432 | |
| 20300.00 | 90.00 | 270.20 | 7859.20 | 3623.28S | 13384.51W | ==> | 13863.13 | N39 33 6.5418 | W104 35 55.3198 | |
| 20400.00 | 90.00 | 270.20 | 7859.20 | 3622.93S | 13484.50W | ==> | 13960.10 | N39 33 6.5448 | W104 35 56.5964 | |
| 20500.00 | 90.00 | 270.20 | 7859.20 | 3622.58S | 13584.50W | ==> | 14057.08 | N39 33 6.5477 | W104 35 57.8731 | |

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 6014.2ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 256.07 degrees
Bottom hole distance is 15033.26 Feet on azimuth 256.07 degrees

| Interpolated Wellpath | | | | | | | | | | |
|-----------------------|----------|----------|---------|-----------|-----------|-----------------------|-------------------------|--------------------------------|---------------------------------|------------------------------------|
| MD[ft] | Inc[deg] | Azi[deg] | TVD[ft] | North[ft] | East[ft] | Dogleg [deg/100ft] | Vertical Section[ft] | Station Position (Latitude) | Station Position (Longitude) | All Station Comments |
| 20600.00 | 90.00 | 270.20 | 7859.20 | 3622.23S | 13684.50W | ==> | 14154.05 | N39 33 6.5507 | W104 35 59.1497 | |
| 20700.00 | 90.00 | 270.20 | 7859.20 | 3621.87S | 13784.50W | ==> | 14251.02 | N39 33 6.5536 | W104 36 0.4264 | |
| 20800.00 | 90.00 | 270.20 | 7859.20 | 3621.52S | 13884.50W | ==> | 14348.00 | N39 33 6.5566 | W104 36 1.7030 | |
| 20900.00 | 90.00 | 270.20 | 7859.20 | 3621.17S | 13984.50W | ==> | 14444.97 | N39 33 6.5595 | W104 36 2.9797 | |
| 21000.00 | 90.00 | 270.20 | 7859.20 | 3620.82S | 14084.50W | ==> | 14541.95 | N39 33 6.5624 | W104 36 4.2563 | |
| 21100.00 | 90.00 | 270.20 | 7859.20 | 3620.46S | 14184.50W | ==> | 14638.92 | N39 33 6.5653 | W104 36 5.5330 | |
| 21200.00 | 90.00 | 270.20 | 7859.20 | 3620.11S | 14284.50W | ==> | 14735.89 | N39 33 6.5683 | W104 36 6.8096 | |
| 21300.00 | 90.00 | 270.20 | 7859.20 | 3619.76S | 14384.50W | ==> | 14832.87 | N39 33 6.5712 | W104 36 8.0863 | |
| 21400.00 | 90.00 | 270.20 | 7859.20 | 3619.41S | 14484.50W | ==> | 14929.84 | N39 33 6.5741 | W104 36 9.3629 | |
| 21500.00 | 90.00 | 270.20 | 7859.20 | 3619.05S | 14584.50W | ==> | 15026.81 | N39 33 6.5770 | W104 36 10.6396 | |
| 21506.64 | 90.00 | 270.20 | 7859.20 | 3619.03S | 14591.14W | ==> | 15033.26 | N39 33 6.5772 | W104 36 10.7244 | End of Hold/Target, RED 10HN BH |

All data is in Feet unless otherwise stated
 Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 6014.2ft above Mean Sea Level)
 Vertical Section is from 0.00N 0.00E on azimuth 256.07 degrees
 Bottom hole distance is 15033.26 Feet on azimuth 256.07 degrees from Wellhead
 Calculation method uses Minimum Curvature method
 Prepared by
 Date Printed: 6-Apr-2023



| Targets | | | | | | | |
|-------------|-----------|-----------|---------|---------------|-----------------|------------|------------|
| Name | North[ft] | East[ft] | TVD[ft] | Latitude | Longitude | Northing | Easting |
| RED 10HN BH | 3619.03S | 14591.14W | 7859.20 | N39 33 6.5772 | W104 36 10.7244 | 1080870.43 | 3252950.81 |
| RED 10HN LP | 3661.40S | 2572.57W | 7859.20 | N39 33 6.1992 | W104 33 37.2888 | 1080956.65 | 3264969.47 |

| Formations | | | | | | |
|----------------------------------|--------------|---------------|--------------|-----------------|----------|----------|
| Formation Name | Formation MD | Formation TVD | Wellpath Inc | Incidence Angle | North | East |
| Lower Dawson | 76.00 | 76.00 | 0.00 | 90.00 | 0.00N | 0.00E |
| Denver | 201.00 | 201.00 | 0.00 | 90.00 | 0.00N | 0.00E |
| Upper Arapahoe | 1088.01 | 1088.00 | 1.76 | 88.24 | 1.17S | 0.67W |
| Laramie - Fox Hills | 1908.14 | 1893.00 | 18.16 | 71.84 | 123.86S | 70.95W |
| Pierre Shale (Base of Fox Hills) | 2158.31 | 2127.00 | 23.17 | 66.83 | 200.44S | 114.81W |
| Sussex Sandstone | 6200.90 | 5457.00 | 35.38 | 54.62 | 2183.09S | 1250.47W |
| Sharon Springs Shale | 8792.74 | 7567.00 | 40.95 | 49.05 | 3483.01S | 2006.87W |
| Niobrara | 8860.96 | 7617.00 | 44.84 | 45.16 | 3513.76S | 2041.59W |
| Niobrara A | 8875.18 | 7627.01 | 45.71 | 44.29 | 3519.90S | 2049.60W |
| Niobrara B Top | 9080.58 | 7752.00 | 59.46 | 30.54 | 3596.57S | 2192.17W |
| Niobrara C Top | 9250.72 | 7822.01 | 71.95 | 18.05 | 3639.26S | 2340.67W |

| Survey Tool Program | | | | | |
|---------------------|-------------|----------|---------|---------------|-------------|
| Reference | Survey Name | MD[ft] | TVD[ft] | Survey Tool | Error Model |
| 1095856 | Planned | 21506.64 | 7859.20 | WdW Rate Gvrs | Standard |

| Notes |
|-------|
| |

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 6014.2ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 256.07 degrees
Bottom hole distance is 15033.26 Feet on azimuth 256.07 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by
Date Printed: 6-Apr-2023