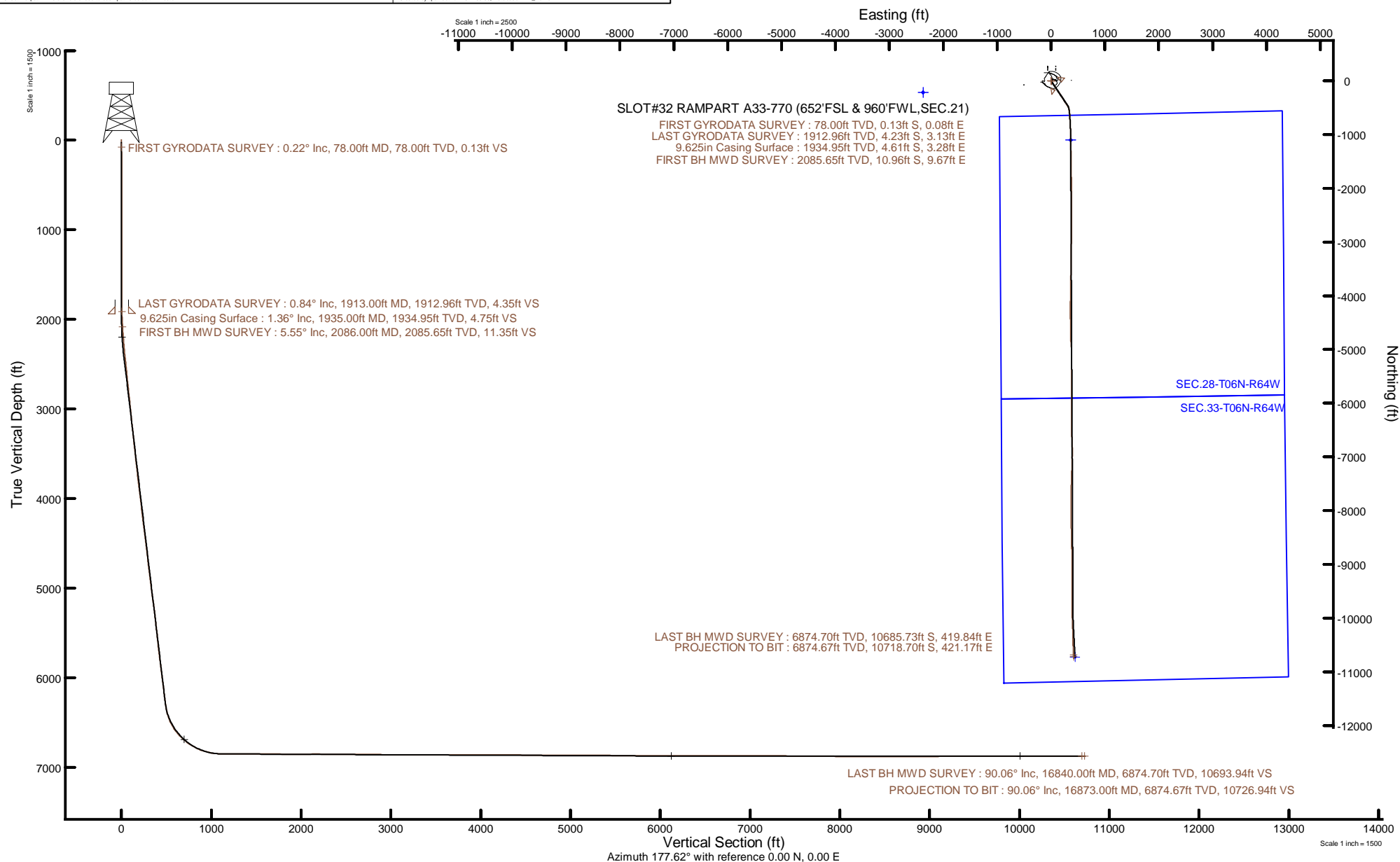


NOBLE ENERGY, INC

Location: COLORADO Slot: SLOT#32 RAMPART A33-770 (652'FSL & 960'FWL,SEC.21)
Field: WELD COUNTY (NOBLE NAD 83 GRID) Well: RAMPART A33-770
Facility: SEC.21-T06N-R64W Wellbore: RAMPART A33-770 PWB



| | |
|--|--|
| Plot reference wellpath is RAMPART A33-770 PWP Rev8.0 | Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet |
| True vertical depths are referenced to H&P 517 (30) (RT) | North Reference: Grid north |
| Reference wellpath measured depths are referenced to H&P 517 (30) (RT) | Scale: True distance |
| H&P 517 (30) (RT) to Mean Sea Level: 4757 feet | Coordinates are in feet referenced to Slot |
| Mean Sea Level to Ground level (At Slot: SLOT#32 RAMPART A33-770 (652'FSL & 960'FWL,SEC.21)): 0 feet | Depths are in feet |
| Offset wellpath MDs are referenced to each path's default MD datum | Created by: painsetr on 2021-08-03; Database: WA_Denver |





Actual Wellpath Report

RAMPART A33-770 AWP

Page 1 of 10



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--|----------|---------------------|
| Operator | NOBLE ENERGY, INC | Well | RAMPART A33-770 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512350928 |
| Facility | SEC.21-T06N-R64W | Wellbore | RAMPART A33-770 AWB |
| Slot | SLOT#32 RAMPART A33-770 (652'FSL & 960'FWL,SEC.21) | | |

REPORT SETUP INFORMATION

| | | | |
|---------------------|---|------------------|-------------------------|
| Projection System | NAD83 / Lambert Colorado SP, Northern Zone (501), US feet | Software System | WellArchitect® 6.0 |
| North Reference | Grid | User | Painsetr |
| Scale | 0.999964 | Report Generated | 8/3/2021 at 11:16:31 AM |
| Convergence at slot | 0.61° East | Database | WA_Denver |

WELLPATH LOCATION

| | Local coordinates | | Grid coordinates | | Geographic coordinates | |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|---------------|
| | North[ft] | East[ft] | Easting[US ft] | Northing[US ft] | Latitude | Longitude |
| Slot Location | -199.43 | -88.99 | 3261217.77 | 1414003.46 | 40.4660452° | -104.5611574° |
| Facility Reference Pt | | | 3261306.76 | 1414202.89 | 40.4665900° | -104.5608300° |
| Field Reference Pt | | | 3000000.00 | 4454105.15 | 48.7761986° | -105.5000000° |

WELLPATH DATUM

| | | | |
|--------------------------|--------------------|---|-------------------|
| Calculation method | Minimum curvature | H&P 517 (30') (RT) to Facility Vertical Datum | 4757.00ft |
| Horizontal Reference Pt | Slot | H&P 517 (30') (RT) to Mean Sea Level | 4757.00ft |
| Vertical Reference Pt | H&P 517 (30') (RT) | H&P 517 (30') (RT) to Ground Level at Slot (SLOT#32 RAMPART A33-770 (652'FSL & 960'FWL,SEC.21)) | 4757.00ft |
| MD Reference Pt | H&P 517 (30') (RT) | Section Origin | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level | Section Azimuth | 177.62° |

REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|---|----------|---------------------|
| Operator | NOBLE ENERGY, INC | Well | RAMPART A33-770 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512350928 |
| Facility | SEC.21-T06N-R64W | Wellbore | RAMPART A33-770 AWB |
| Slot | SLOT#32 RAMPART A33-770 (652'FSL & 960'FWL, SEC.21) | | |

WELLPATH DATA (174 stations)

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|------------|--------------|------------------|-----------------------|
| 0.00 | 0.000 | 149.840 | 0.00 | 0.00 | 0.00 | 0.00 | 3261217.77 | 1414003.46 | 40.4660452 | -104.5611574 | 0.00 | |
| 78.00 | 0.220 | 149.840 | 78.00 | 0.13 | -0.13 | 0.08 | 3261217.85 | 1414003.33 | 40.4660448 | -104.5611571 | 0.28 | FIRST GYRODATA SURVEY |
| 171.00 | 0.580 | 145.380 | 171.00 | 0.69 | -0.67 | 0.43 | 3261218.20 | 1414002.79 | 40.4660433 | -104.5611559 | 0.39 | |
| 262.00 | 0.230 | 178.500 | 262.00 | 1.26 | -1.23 | 0.70 | 3261218.47 | 1414002.23 | 40.4660418 | -104.5611549 | 0.45 | |
| 357.00 | 0.220 | 101.410 | 356.99 | 1.49 | -1.46 | 0.88 | 3261218.65 | 1414002.00 | 40.4660412 | -104.5611543 | 0.30 | |
| 451.00 | 0.320 | 324.890 | 450.99 | 1.32 | -1.28 | 0.91 | 3261218.68 | 1414002.18 | 40.4660417 | -104.5611542 | 0.54 | |
| 546.00 | 0.350 | 339.640 | 545.99 | 0.82 | -0.79 | 0.65 | 3261218.42 | 1414002.67 | 40.4660430 | -104.5611551 | 0.10 | |
| 640.00 | 0.180 | 267.790 | 639.99 | 0.54 | -0.53 | 0.41 | 3261218.18 | 1414002.93 | 40.4660437 | -104.5611560 | 0.36 | |
| 735.00 | 0.030 | 158.080 | 734.99 | 0.57 | -0.56 | 0.27 | 3261218.04 | 1414002.90 | 40.4660437 | -104.5611565 | 0.20 | |
| 829.00 | 0.170 | 208.500 | 828.99 | 0.71 | -0.70 | 0.21 | 3261217.98 | 1414002.76 | 40.4660433 | -104.5611567 | 0.16 | |
| 924.00 | 0.360 | 225.540 | 923.99 | 1.03 | -1.04 | -0.07 | 3261217.70 | 1414002.42 | 40.4660424 | -104.5611577 | 0.21 | |
| 1019.00 | 0.190 | 154.780 | 1018.99 | 1.38 | -1.39 | -0.22 | 3261217.55 | 1414002.07 | 40.4660414 | -104.5611582 | 0.37 | |
| 1113.00 | 0.270 | 251.990 | 1112.99 | 1.58 | -1.60 | -0.36 | 3261217.41 | 1414001.86 | 40.4660408 | -104.5611588 | 0.37 | |
| 1208.00 | 0.270 | 252.170 | 1207.99 | 1.70 | -1.73 | -0.79 | 3261216.98 | 1414001.73 | 40.4660405 | -104.5611603 | 0.00 | |
| 1302.00 | 0.030 | 353.180 | 1301.99 | 1.73 | -1.78 | -1.00 | 3261216.77 | 1414001.68 | 40.4660403 | -104.5611611 | 0.29 | |
| 1397.00 | 0.150 | 81.640 | 1396.99 | 1.70 | -1.73 | -0.88 | 3261216.89 | 1414001.73 | 40.4660405 | -104.5611606 | 0.16 | |
| 1491.00 | 0.260 | 87.010 | 1490.99 | 1.68 | -1.71 | -0.54 | 3261217.23 | 1414001.75 | 40.4660405 | -104.5611594 | 0.12 | |
| 1586.00 | 0.560 | 100.790 | 1585.98 | 1.78 | -1.78 | 0.13 | 3261217.90 | 1414001.68 | 40.4660403 | -104.5611570 | 0.33 | |
| 1680.00 | 0.750 | 110.760 | 1679.98 | 2.13 | -2.09 | 1.15 | 3261218.92 | 1414001.37 | 40.4660394 | -104.5611533 | 0.23 | |
| 1775.00 | 0.770 | 126.610 | 1774.97 | 2.78 | -2.69 | 2.25 | 3261220.02 | 1414000.77 | 40.4660378 | -104.5611494 | 0.22 | |
| 1869.00 | 0.750 | 159.480 | 1868.96 | 3.76 | -3.64 | 2.97 | 3261220.74 | 1413999.82 | 40.4660351 | -104.5611469 | 0.46 | |
| 1913.00 | 0.840 | 170.040 | 1912.96 | 4.35 | -4.23 | 3.13 | 3261220.90 | 1413999.23 | 40.4660335 | -104.5611463 | 0.39 | LAST GYRODATA SURVEY |
| 2086.00 | 5.550 | 130.930 | 2085.65 | 11.35 | -10.96 | 9.67 | 3261227.44 | 1413992.50 | 40.4660148 | -104.5611231 | 2.85 | FIRST BH MWD SURVEY |
| 2181.00 | 4.550 | 149.970 | 2180.29 | 17.84 | -17.23 | 15.03 | 3261232.80 | 1413986.23 | 40.4659975 | -104.5611041 | 2.04 | |
| 2275.00 | 5.160 | 156.310 | 2273.95 | 25.08 | -24.33 | 18.59 | 3261236.36 | 1413979.13 | 40.4659779 | -104.5610915 | 0.86 | |
| 2370.00 | 7.090 | 147.260 | 2368.40 | 34.12 | -33.18 | 23.48 | 3261241.25 | 1413970.28 | 40.4659535 | -104.5610743 | 2.27 | |
| 2464.00 | 6.970 | 147.020 | 2461.70 | 44.04 | -42.84 | 29.72 | 3261247.49 | 1413960.62 | 40.4659267 | -104.5610522 | 0.13 | |
| 2559.00 | 6.400 | 144.460 | 2556.05 | 53.43 | -51.98 | 35.94 | 3261253.71 | 1413951.48 | 40.4659015 | -104.5610302 | 0.68 | |
| 2654.00 | 6.780 | 144.270 | 2650.42 | 62.55 | -60.84 | 42.29 | 3261260.06 | 1413942.62 | 40.4658770 | -104.5610077 | 0.40 | |
| 2748.00 | 6.870 | 145.270 | 2743.76 | 71.94 | -69.97 | 48.73 | 3261266.50 | 1413933.49 | 40.4658517 | -104.5609849 | 0.16 | |

REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--|----------|---------------------|
| Operator | NOBLE ENERGY, INC | Well | RAMPART A33-770 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512350928 |
| Facility | SEC.21-T06N-R64W | Wellbore | RAMPART A33-770 AWB |
| Slot | SLOT#32 RAMPART A33-770 (652'FSL & 960'FWL,SEC.21) | | |

WELLPATH DATA (174 stations)

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|------------|--------------|------------------|----------|
| 2843.00 | 7.500 | 159.760 | 2838.02 | 82.64 | -80.46 | 54.11 | 3261271.88 | 1413923.01 | 40.4658228 | -104.5609660 | 2.01 | |
| 2937.00 | 6.410 | 142.570 | 2931.34 | 92.77 | -90.38 | 59.43 | 3261277.19 | 1413913.08 | 40.4657954 | -104.5609473 | 2.49 | |
| 3032.00 | 7.200 | 145.840 | 3025.67 | 102.18 | -99.52 | 65.99 | 3261283.76 | 1413903.95 | 40.4657701 | -104.5609240 | 0.93 | |
| 3127.00 | 6.480 | 142.810 | 3119.99 | 111.64 | -108.72 | 72.58 | 3261290.34 | 1413894.75 | 40.4657447 | -104.5609007 | 0.85 | |
| 3222.00 | 7.150 | 149.100 | 3214.32 | 121.24 | -118.06 | 78.85 | 3261296.62 | 1413885.41 | 40.4657189 | -104.5608785 | 1.05 | |
| 3316.00 | 6.810 | 144.530 | 3307.62 | 131.05 | -127.62 | 85.09 | 3261302.86 | 1413875.85 | 40.4656924 | -104.5608565 | 0.69 | |
| 3411.00 | 7.570 | 147.850 | 3401.88 | 141.20 | -137.50 | 91.69 | 3261309.46 | 1413865.96 | 40.4656651 | -104.5608331 | 0.91 | |
| 3506.00 | 7.250 | 146.080 | 3496.08 | 151.74 | -147.78 | 98.36 | 3261316.13 | 1413855.69 | 40.4656367 | -104.5608095 | 0.41 | |
| 3600.00 | 7.570 | 144.110 | 3589.30 | 161.96 | -157.71 | 105.30 | 3261323.07 | 1413845.75 | 40.4656093 | -104.5607850 | 0.43 | |
| 3695.00 | 7.740 | 145.460 | 3683.45 | 172.59 | -168.05 | 112.60 | 3261330.37 | 1413835.41 | 40.4655807 | -104.5607591 | 0.26 | |
| 3789.00 | 7.800 | 145.400 | 3776.59 | 183.35 | -178.52 | 119.81 | 3261337.58 | 1413824.95 | 40.4655517 | -104.5607336 | 0.06 | |
| 3884.00 | 8.150 | 144.730 | 3870.67 | 194.46 | -189.32 | 127.36 | 3261345.12 | 1413814.15 | 40.4655219 | -104.5607069 | 0.38 | |
| 3979.00 | 8.130 | 145.600 | 3964.71 | 205.81 | -200.36 | 135.04 | 3261352.81 | 1413803.11 | 40.4654913 | -104.5606797 | 0.13 | |
| 4073.00 | 7.960 | 145.540 | 4057.79 | 216.96 | -211.21 | 142.48 | 3261360.25 | 1413792.26 | 40.4654613 | -104.5606534 | 0.18 | |
| 4168.00 | 8.100 | 146.490 | 4151.86 | 228.26 | -222.22 | 149.90 | 3261367.66 | 1413781.25 | 40.4654309 | -104.5606272 | 0.20 | |
| 4262.00 | 8.150 | 145.800 | 4244.91 | 239.59 | -233.25 | 157.30 | 3261375.06 | 1413770.22 | 40.4654004 | -104.5606010 | 0.12 | |
| 4357.00 | 8.110 | 146.800 | 4338.96 | 251.07 | -244.43 | 164.75 | 3261382.52 | 1413759.04 | 40.4653695 | -104.5605746 | 0.15 | |
| 4451.00 | 8.360 | 146.510 | 4431.99 | 262.61 | -255.67 | 172.15 | 3261389.92 | 1413747.80 | 40.4653384 | -104.5605485 | 0.27 | |
| 4546.00 | 8.200 | 146.300 | 4526.00 | 274.31 | -267.07 | 179.72 | 3261397.49 | 1413736.40 | 40.4653069 | -104.5605217 | 0.17 | |
| 4640.00 | 7.800 | 147.270 | 4619.08 | 285.55 | -278.01 | 186.89 | 3261404.66 | 1413725.46 | 40.4652767 | -104.5604963 | 0.45 | |
| 4735.00 | 7.710 | 148.040 | 4713.21 | 296.65 | -288.84 | 193.75 | 3261411.51 | 1413714.63 | 40.4652468 | -104.5604721 | 0.14 | |
| 4829.00 | 7.980 | 146.340 | 4806.33 | 307.71 | -299.62 | 200.71 | 3261418.47 | 1413703.85 | 40.4652170 | -104.5604475 | 0.38 | |
| 4924.00 | 8.390 | 146.820 | 4900.37 | 319.30 | -310.91 | 208.15 | 3261425.92 | 1413692.56 | 40.4651858 | -104.5604212 | 0.44 | |
| 5018.00 | 8.770 | 146.790 | 4993.31 | 331.35 | -322.65 | 215.83 | 3261433.59 | 1413680.83 | 40.4651533 | -104.5603941 | 0.40 | |
| 5113.00 | 8.710 | 146.640 | 5087.21 | 343.73 | -334.71 | 223.75 | 3261441.52 | 1413668.76 | 40.4651200 | -104.5603660 | 0.07 | |
| 5207.00 | 8.590 | 148.820 | 5180.14 | 355.99 | -346.66 | 231.30 | 3261449.06 | 1413656.81 | 40.4650870 | -104.5603394 | 0.37 | |
| 5302.00 | 7.470 | 151.180 | 5274.21 | 367.73 | -358.15 | 237.95 | 3261455.71 | 1413645.33 | 40.4650553 | -104.5603159 | 1.23 | |
| 5397.00 | 7.830 | 149.640 | 5368.36 | 378.98 | -369.14 | 244.20 | 3261461.96 | 1413634.33 | 40.4650249 | -104.5602939 | 0.44 | |
| 5491.00 | 7.230 | 146.550 | 5461.55 | 389.70 | -379.60 | 250.70 | 3261468.46 | 1413623.87 | 40.4649960 | -104.5602709 | 0.77 | |
| 5586.00 | 6.700 | 147.700 | 5555.85 | 399.62 | -389.27 | 256.95 | 3261474.71 | 1413614.20 | 40.4649693 | -104.5602488 | 0.58 | |

REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--|----------|---------------------|
| Operator | NOBLE ENERGY, INC | Well | RAMPART A33-770 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512350928 |
| Facility | SEC.21-T06N-R64W | Wellbore | RAMPART A33-770 AWB |
| Slot | SLOT#32 RAMPART A33-770 (652'FSL & 960'FWL,SEC.21) | | |

WELLPATH DATA (174 stations)

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|------------|--------------|------------------|----------|
| 5681.00 | 7.630 | 144.880 | 5650.11 | 409.73 | -399.12 | 263.54 | 3261481.30 | 1413604.36 | 40.4649421 | -104.5602255 | 1.05 | |
| 5775.00 | 7.910 | 146.150 | 5743.25 | 420.50 | -409.59 | 270.74 | 3261488.50 | 1413593.88 | 40.4649131 | -104.5602001 | 0.35 | |
| 5870.00 | 8.260 | 147.600 | 5837.30 | 431.98 | -420.78 | 278.03 | 3261495.79 | 1413582.69 | 40.4648822 | -104.5601743 | 0.43 | |
| 5964.00 | 8.020 | 146.790 | 5930.35 | 443.46 | -431.97 | 285.24 | 3261503.00 | 1413571.51 | 40.4648513 | -104.5601488 | 0.28 | |
| 6059.00 | 8.470 | 144.960 | 6024.37 | 455.04 | -443.24 | 292.89 | 3261510.65 | 1413560.23 | 40.4648201 | -104.5601217 | 0.55 | |
| 6154.00 | 8.260 | 146.190 | 6118.36 | 466.76 | -454.64 | 300.70 | 3261518.46 | 1413548.84 | 40.4647886 | -104.5600941 | 0.29 | |
| 6248.00 | 8.260 | 146.860 | 6211.39 | 478.32 | -465.91 | 308.15 | 3261525.91 | 1413537.57 | 40.4647575 | -104.5600677 | 0.10 | |
| 6343.00 | 9.170 | 146.240 | 6305.29 | 490.65 | -477.91 | 316.09 | 3261533.85 | 1413525.56 | 40.4647243 | -104.5600397 | 0.96 | |
| 6437.00 | 15.350 | 156.750 | 6397.11 | 508.69 | -495.59 | 325.17 | 3261542.93 | 1413507.89 | 40.4646755 | -104.5600077 | 6.96 | |
| 6532.00 | 23.600 | 170.720 | 6486.65 | 539.39 | -525.98 | 333.22 | 3261550.98 | 1413477.50 | 40.4645918 | -104.5599799 | 9.92 | |
| 6626.00 | 33.690 | 171.270 | 6569.03 | 584.09 | -570.43 | 340.23 | 3261557.99 | 1413433.05 | 40.4644696 | -104.5599564 | 10.74 | |
| 6721.00 | 43.210 | 173.960 | 6643.35 | 642.87 | -628.96 | 347.67 | 3261565.43 | 1413374.53 | 40.4643088 | -104.5599319 | 10.17 | |
| 6815.00 | 50.260 | 176.990 | 6707.75 | 711.22 | -697.14 | 352.96 | 3261570.72 | 1413306.34 | 40.4641215 | -104.5599155 | 7.86 | |
| 6910.00 | 59.300 | 177.220 | 6762.48 | 788.75 | -774.57 | 356.87 | 3261574.62 | 1413228.92 | 40.4639088 | -104.5599044 | 9.52 | |
| 7004.00 | 68.170 | 176.520 | 6804.03 | 872.95 | -858.66 | 361.49 | 3261579.24 | 1413144.83 | 40.4636779 | -104.5598910 | 9.46 | |
| 7099.00 | 76.920 | 178.100 | 6832.50 | 963.48 | -949.09 | 365.70 | 3261583.46 | 1413054.40 | 40.4634296 | -104.5598793 | 9.35 | |
| 7194.00 | 85.750 | 181.700 | 6846.81 | 1057.21 | -1042.90 | 365.83 | 3261583.59 | 1412960.60 | 40.4631721 | -104.5598824 | 10.02 | |
| 7288.00 | 89.720 | 178.240 | 6850.52 | 1151.03 | -1136.79 | 365.89 | 3261583.64 | 1412866.71 | 40.4629144 | -104.5598858 | 5.60 | |
| 7383.00 | 89.480 | 178.320 | 6851.19 | 1246.02 | -1231.75 | 368.74 | 3261586.49 | 1412771.76 | 40.4626537 | -104.5598792 | 0.27 | |
| 7477.00 | 89.660 | 177.990 | 6851.89 | 1340.01 | -1325.70 | 371.76 | 3261589.52 | 1412677.81 | 40.4623957 | -104.5598719 | 0.40 | |
| 7572.00 | 89.750 | 178.930 | 6852.38 | 1435.00 | -1420.66 | 374.32 | 3261592.07 | 1412582.85 | 40.4621350 | -104.5598663 | 0.99 | |
| 7761.00 | 89.970 | 179.290 | 6852.84 | 1623.94 | -1609.64 | 377.25 | 3261595.01 | 1412393.89 | 40.4616162 | -104.5598630 | 0.22 | |
| 7856.00 | 89.910 | 179.550 | 6852.94 | 1718.89 | -1704.63 | 378.21 | 3261595.97 | 1412298.89 | 40.4613555 | -104.5598632 | 0.28 | |
| 7951.00 | 89.720 | 179.140 | 6853.25 | 1813.84 | -1799.62 | 379.30 | 3261597.06 | 1412203.90 | 40.4610947 | -104.5598629 | 0.48 | |
| 8045.00 | 89.820 | 178.590 | 6853.63 | 1907.82 | -1893.60 | 381.16 | 3261598.92 | 1412109.93 | 40.4608367 | -104.5598598 | 0.59 | |
| 8140.00 | 90.000 | 179.850 | 6853.77 | 2002.78 | -1988.59 | 382.46 | 3261600.21 | 1412014.94 | 40.4605759 | -104.5598587 | 1.34 | |
| 8235.00 | 90.710 | 179.040 | 6853.19 | 2097.73 | -2083.59 | 383.38 | 3261601.13 | 1411919.95 | 40.4603152 | -104.5598591 | 1.13 | |
| 8329.00 | 89.660 | 179.870 | 6852.88 | 2191.68 | -2177.58 | 384.27 | 3261602.03 | 1411825.96 | 40.4600572 | -104.5598594 | 1.42 | |
| 8424.00 | 88.310 | 180.290 | 6854.57 | 2286.57 | -2272.56 | 384.14 | 3261601.89 | 1411730.98 | 40.4597965 | -104.5598635 | 1.49 | |
| 8518.00 | 89.850 | 178.960 | 6856.07 | 2380.50 | -2366.54 | 384.75 | 3261602.51 | 1411637.01 | 40.4595385 | -104.5598649 | 2.16 | |

REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--|----------|---------------------|
| Operator | NOBLE ENERGY, INC | Well | RAMPART A33-770 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512350928 |
| Facility | SEC.21-T06N-R64W | Wellbore | RAMPART A33-770 AWB |
| Slot | SLOT#32 RAMPART A33-770 (652'FSL & 960'FWL,SEC.21) | | |

WELLPATH DATA (174 stations)

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|------------|--------------|------------------|----------|
| 8612.00 | 89.690 | 181.160 | 6856.45 | 2474.41 | -2460.54 | 384.65 | 3261602.41 | 1411543.02 | 40.4592805 | -104.5598688 | 2.35 | |
| 8707.00 | 90.150 | 179.370 | 6856.58 | 2569.30 | -2555.53 | 384.22 | 3261601.97 | 1411448.03 | 40.4590198 | -104.5598740 | 1.95 | |
| 8801.00 | 89.910 | 181.590 | 6856.54 | 2663.18 | -2649.52 | 383.43 | 3261601.18 | 1411354.04 | 40.4587619 | -104.5598804 | 2.38 | |
| 8896.00 | 90.430 | 179.440 | 6856.25 | 2758.05 | -2744.51 | 382.57 | 3261600.33 | 1411259.05 | 40.4585012 | -104.5598871 | 2.33 | |
| 8990.00 | 88.400 | 179.870 | 6857.21 | 2851.98 | -2838.50 | 383.14 | 3261600.90 | 1411165.07 | 40.4582432 | -104.5598887 | 2.21 | |
| 9085.00 | 90.150 | 181.710 | 6858.42 | 2946.82 | -2933.48 | 381.83 | 3261599.59 | 1411070.10 | 40.4579825 | -104.5598970 | 2.67 | |
| 9179.00 | 90.060 | 181.130 | 6858.24 | 3040.61 | -3027.45 | 379.50 | 3261597.26 | 1410976.13 | 40.4577247 | -104.5599089 | 0.62 | |
| 9274.00 | 90.060 | 181.600 | 6858.14 | 3135.41 | -3122.42 | 377.24 | 3261594.99 | 1410881.16 | 40.4574641 | -104.5599207 | 0.49 | |
| 9369.00 | 89.880 | 180.000 | 6858.19 | 3230.26 | -3217.41 | 375.91 | 3261593.67 | 1410786.18 | 40.4572034 | -104.5599291 | 1.69 | |
| 9464.00 | 89.750 | 179.610 | 6858.50 | 3325.19 | -3312.41 | 376.23 | 3261593.99 | 1410691.18 | 40.4569426 | -104.5599315 | 0.43 | |
| 9558.00 | 89.660 | 181.250 | 6858.98 | 3419.07 | -3406.40 | 375.53 | 3261593.28 | 1410597.19 | 40.4566847 | -104.5599376 | 1.75 | |
| 9653.00 | 90.340 | 180.900 | 6858.98 | 3513.90 | -3501.38 | 373.75 | 3261591.50 | 1410502.21 | 40.4564240 | -104.5599477 | 0.81 | |
| 9748.00 | 89.630 | 182.060 | 6859.01 | 3608.68 | -3596.35 | 371.29 | 3261589.05 | 1410407.25 | 40.4561634 | -104.5599601 | 1.43 | |
| 9842.00 | 90.060 | 180.430 | 6859.26 | 3702.49 | -3690.32 | 369.25 | 3261587.01 | 1410313.28 | 40.4559056 | -104.5599710 | 1.79 | |
| 9937.00 | 89.850 | 180.970 | 6859.34 | 3797.35 | -3785.31 | 368.09 | 3261585.85 | 1410218.29 | 40.4556449 | -104.5599788 | 0.61 | |
| 10031.00 | 89.780 | 180.880 | 6859.64 | 3891.19 | -3879.30 | 366.57 | 3261584.33 | 1410124.31 | 40.4553870 | -104.5599878 | 0.12 | |
| 10126.00 | 89.850 | 180.680 | 6859.95 | 3986.05 | -3974.29 | 365.28 | 3261583.04 | 1410029.32 | 40.4551263 | -104.5599961 | 0.22 | |
| 10220.00 | 89.600 | 181.700 | 6860.40 | 4079.86 | -4068.27 | 363.33 | 3261581.08 | 1409935.35 | 40.4548684 | -104.5600067 | 1.12 | |
| 10315.00 | 89.630 | 182.110 | 6861.04 | 4174.59 | -4163.21 | 360.17 | 3261577.93 | 1409840.41 | 40.4546079 | -104.5600217 | 0.43 | |
| 10410.00 | 89.510 | 178.710 | 6861.75 | 4269.46 | -4258.19 | 359.49 | 3261577.25 | 1409745.43 | 40.4543472 | -104.5600277 | 3.58 | |
| 10504.00 | 89.690 | 179.080 | 6862.41 | 4363.44 | -4352.17 | 361.30 | 3261579.06 | 1409651.45 | 40.4540892 | -104.5600248 | 0.44 | |
| 10599.00 | 89.350 | 179.130 | 6863.20 | 4458.40 | -4447.16 | 362.79 | 3261580.54 | 1409556.47 | 40.4538284 | -104.5600231 | 0.36 | |
| 10693.00 | 89.510 | 179.490 | 6864.14 | 4552.36 | -4541.15 | 363.92 | 3261581.67 | 1409462.49 | 40.4535704 | -104.5600226 | 0.42 | |
| 10788.00 | 89.630 | 179.150 | 6864.85 | 4647.31 | -4636.14 | 365.05 | 3261582.80 | 1409367.50 | 40.4533097 | -104.5600222 | 0.38 | |
| 10883.00 | 89.940 | 180.220 | 6865.21 | 4742.25 | -4731.13 | 365.57 | 3261583.32 | 1409272.51 | 40.4530489 | -104.5600239 | 1.17 | |
| 11072.00 | 89.540 | 173.460 | 6866.07 | 4931.12 | -4919.74 | 375.98 | 3261593.74 | 1409083.91 | 40.4525310 | -104.5599937 | 3.58 | |
| 11261.00 | 90.580 | 179.850 | 6865.87 | 5119.99 | -5108.31 | 387.00 | 3261604.76 | 1408895.34 | 40.4520131 | -104.5599612 | 3.43 | |
| 11355.00 | 88.740 | 180.220 | 6866.43 | 5213.90 | -5202.31 | 386.94 | 3261604.70 | 1408801.35 | 40.4517551 | -104.5599650 | 2.00 | |
| 11450.00 | 89.570 | 181.280 | 6867.83 | 5308.75 | -5297.29 | 385.70 | 3261603.46 | 1408706.38 | 40.4514944 | -104.5599731 | 1.42 | |
| 11544.00 | 90.120 | 178.890 | 6868.08 | 5402.65 | -5391.28 | 385.56 | 3261603.32 | 1408612.39 | 40.4512364 | -104.5599772 | 2.61 | |

REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--|----------|---------------------|
| Operator | NOBLE ENERGY, INC | Well | RAMPART A33-770 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512350928 |
| Facility | SEC.21-T06N-R64W | Wellbore | RAMPART A33-770 AWB |
| Slot | SLOT#32 RAMPART A33-770 (652'FSL & 960'FWL,SEC.21) | | |

WELLPATH DATA (174 stations)

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | DLS [°/100ft] | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|------------|--------------|------------------|----------|
| 11639.00 | 89.570 | 181.590 | 6868.34 | 5497.54 | -5486.27 | 385.16 | 3261602.92 | 1408517.40 | 40.4509757 | -104.5599822 | 2.90 | |
| 11733.00 | 89.480 | 179.070 | 6869.12 | 5591.43 | -5580.26 | 384.62 | 3261602.38 | 1408423.42 | 40.4507178 | -104.5599878 | 2.68 | |
| 11828.00 | 89.080 | 180.160 | 6870.31 | 5686.36 | -5675.24 | 385.26 | 3261603.02 | 1408328.43 | 40.4504570 | -104.5599891 | 1.22 | |
| 11923.00 | 89.970 | 178.350 | 6871.10 | 5781.31 | -5770.23 | 386.50 | 3261604.25 | 1408233.45 | 40.4501963 | -104.5599883 | 2.12 | |
| 12017.00 | 89.510 | 181.410 | 6871.53 | 5875.23 | -5864.22 | 386.69 | 3261604.45 | 1408139.47 | 40.4499383 | -104.5599911 | 3.29 | |
| 12112.00 | 89.850 | 179.860 | 6872.06 | 5970.09 | -5959.21 | 385.64 | 3261603.40 | 1408044.48 | 40.4496776 | -104.5599985 | 1.67 | |
| 12206.00 | 90.340 | 180.380 | 6871.90 | 6064.00 | -6053.20 | 385.44 | 3261603.20 | 1407950.49 | 40.4494196 | -104.5600028 | 0.76 | |
| 12301.00 | 90.060 | 180.450 | 6871.57 | 6158.88 | -6148.20 | 384.76 | 3261602.51 | 1407855.49 | 40.4491589 | -104.5600089 | 0.30 | |
| 12395.00 | 89.970 | 180.510 | 6871.54 | 6252.77 | -6242.20 | 383.97 | 3261601.72 | 1407761.50 | 40.4489009 | -104.5600153 | 0.12 | |
| 12490.00 | 89.940 | 179.570 | 6871.62 | 6347.68 | -6337.20 | 383.90 | 3261601.66 | 1407666.50 | 40.4486402 | -104.5600192 | 0.99 | |
| 12585.00 | 89.820 | 179.700 | 6871.82 | 6442.62 | -6432.20 | 384.51 | 3261602.26 | 1407571.51 | 40.4483794 | -104.5600206 | 0.19 | |
| 12679.00 | 89.880 | 179.830 | 6872.06 | 6536.56 | -6526.19 | 384.89 | 3261602.65 | 1407477.51 | 40.4481214 | -104.5600228 | 0.15 | |
| 12774.00 | 89.820 | 177.260 | 6872.31 | 6631.53 | -6621.16 | 387.30 | 3261605.06 | 1407382.56 | 40.4478607 | -104.5600178 | 2.71 | |
| 12868.00 | 90.000 | 177.600 | 6872.46 | 6725.53 | -6715.06 | 391.52 | 3261609.27 | 1407288.66 | 40.4476029 | -104.5600062 | 0.41 | |
| 12963.00 | 90.950 | 177.810 | 6871.67 | 6820.53 | -6809.98 | 395.32 | 3261613.08 | 1407193.74 | 40.4473422 | -104.5599962 | 1.02 | |
| 13152.00 | 90.030 | 182.060 | 6870.06 | 7009.32 | -6998.93 | 395.54 | 3261613.29 | 1407004.80 | 40.4468236 | -104.5600026 | 2.30 | |
| 13247.00 | 89.780 | 181.460 | 6870.21 | 7104.07 | -7093.88 | 392.62 | 3261610.37 | 1406909.85 | 40.4465631 | -104.5600167 | 0.68 | |
| 13342.00 | 89.450 | 181.660 | 6870.85 | 7198.85 | -7188.84 | 390.03 | 3261607.79 | 1406814.89 | 40.4463025 | -104.5600296 | 0.41 | |
| 13436.00 | 89.480 | 182.280 | 6871.73 | 7292.57 | -7282.78 | 386.80 | 3261604.56 | 1406720.95 | 40.4460447 | -104.5600448 | 0.66 | |
| 13531.00 | 89.230 | 180.790 | 6872.80 | 7387.34 | -7377.74 | 384.26 | 3261602.01 | 1406626.00 | 40.4457842 | -104.5600575 | 1.59 | |
| 13625.00 | 89.820 | 182.780 | 6873.58 | 7481.08 | -7471.69 | 381.33 | 3261599.09 | 1406532.06 | 40.4455264 | -104.5600716 | 2.21 | |
| 13720.00 | 89.660 | 182.210 | 6874.01 | 7575.74 | -7566.60 | 377.19 | 3261594.95 | 1406437.15 | 40.4452660 | -104.5600901 | 0.62 | |
| 13814.00 | 89.540 | 180.650 | 6874.67 | 7669.52 | -7660.56 | 374.85 | 3261592.60 | 1406343.19 | 40.4450082 | -104.5601021 | 1.66 | |
| 13909.00 | 89.200 | 179.900 | 6875.71 | 7764.41 | -7755.55 | 374.39 | 3261592.15 | 1406248.20 | 40.4447475 | -104.5601074 | 0.87 | |
| 14004.00 | 89.200 | 179.770 | 6877.04 | 7859.33 | -7850.54 | 374.67 | 3261592.42 | 1406153.22 | 40.4444868 | -104.5601100 | 0.14 | |
| 14193.00 | 89.660 | 180.000 | 6878.92 | 8048.18 | -8039.53 | 375.05 | 3261592.80 | 1405964.23 | 40.4439680 | -104.5601158 | 0.27 | |
| 14287.00 | 89.880 | 179.850 | 6879.29 | 8142.10 | -8133.53 | 375.17 | 3261592.92 | 1405870.24 | 40.4437100 | -104.5601190 | 0.28 | |
| 14382.00 | 89.940 | 179.250 | 6879.44 | 8237.04 | -8228.53 | 375.91 | 3261593.67 | 1405775.24 | 40.4434492 | -104.5601199 | 0.63 | |
| 14477.00 | 89.940 | 177.630 | 6879.54 | 8332.03 | -8323.49 | 378.50 | 3261596.26 | 1405680.29 | 40.4431885 | -104.5601142 | 1.71 | |
| 14571.00 | 89.480 | 179.510 | 6880.02 | 8426.01 | -8417.46 | 380.85 | 3261598.60 | 1405586.32 | 40.4429306 | -104.5601094 | 2.06 | |

REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--|----------|---------------------|
| Operator | NOBLE ENERGY, INC | Well | RAMPART A33-770 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512350928 |
| Facility | SEC.21-T06N-R64W | Wellbore | RAMPART A33-770 AWB |
| Slot | SLOT#32 RAMPART A33-770 (652'FSL & 960'FWL,SEC.21) | | |

WELLPATH DATA (174 stations) † = interpolated, ‡ = extrapolated station

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Vert Sect [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | DLS °/100ft | Comments |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|----------------------|-----------------------|------------|--------------|----------------|--------------------|
| 14665.00 | 90.250 | 179.560 | 6880.24 | 8519.96 | -8511.45 | 381.61 | 3261599.36 | 1405492.33 | 40.4426725 | -104.5601102 | 0.82 | |
| 14760.00 | 90.000 | 178.110 | 6880.03 | 8614.93 | -8606.43 | 383.54 | 3261601.30 | 1405397.36 | 40.4424118 | -104.5601069 | 1.55 | |
| 14855.00 | 90.060 | 178.100 | 6879.98 | 8709.93 | -8701.38 | 386.68 | 3261604.44 | 1405302.41 | 40.4421511 | -104.5600992 | 0.06 | |
| 14950.00 | 90.220 | 178.460 | 6879.75 | 8804.92 | -8796.33 | 389.53 | 3261607.29 | 1405207.46 | 40.4418904 | -104.5600926 | 0.41 | |
| 15044.00 | 90.280 | 179.210 | 6879.34 | 8898.90 | -8890.31 | 391.44 | 3261609.20 | 1405113.49 | 40.4416324 | -104.5600893 | 0.80 | |
| 15139.00 | 90.400 | 179.720 | 6878.78 | 8993.85 | -8985.31 | 392.33 | 3261610.09 | 1405018.50 | 40.4413716 | -104.5600898 | 0.55 | |
| 15233.00 | 90.340 | 178.700 | 6878.17 | 9087.81 | -9079.29 | 393.63 | 3261611.38 | 1404924.51 | 40.4411136 | -104.5600887 | 1.09 | |
| 15327.00 | 90.250 | 180.110 | 6877.69 | 9181.76 | -9173.29 | 394.60 | 3261612.36 | 1404830.52 | 40.4408556 | -104.5600887 | 1.50 | |
| 15422.00 | 90.180 | 180.940 | 6877.33 | 9276.64 | -9268.28 | 393.73 | 3261611.49 | 1404735.53 | 40.4405949 | -104.5600955 | 0.88 | |
| 15517.00 | 90.120 | 179.770 | 6877.08 | 9371.53 | -9363.28 | 393.14 | 3261610.90 | 1404640.54 | 40.4403342 | -104.5601012 | 1.23 | |
| 15611.00 | 90.250 | 180.670 | 6876.78 | 9465.43 | -9457.27 | 392.78 | 3261610.54 | 1404546.55 | 40.4400762 | -104.5601061 | 0.97 | |
| 15800.00 | 90.220 | 180.560 | 6876.00 | 9654.17 | -9646.26 | 390.76 | 3261608.51 | 1404357.57 | 40.4395575 | -104.5601206 | 0.06 | |
| 15894.00 | 90.060 | 180.190 | 6875.77 | 9748.06 | -9740.26 | 390.14 | 3261607.90 | 1404263.57 | 40.4392995 | -104.5601264 | 0.43 | |
| 15989.00 | 90.220 | 179.100 | 6875.54 | 9843.00 | -9835.26 | 390.73 | 3261608.48 | 1404168.58 | 40.4390388 | -104.5601279 | 1.16 | |
| 16084.00 | 90.120 | 177.690 | 6875.26 | 9937.98 | -9930.22 | 393.39 | 3261611.14 | 1404073.62 | 40.4387781 | -104.5601219 | 1.49 | |
| 16178.00 | 90.150 | 178.100 | 6875.04 | 10031.98 | -10024.15 | 396.84 | 3261614.60 | 1403979.69 | 40.4385201 | -104.5601131 | 0.44 | |
| 16272.00 | 89.880 | 177.410 | 6875.01 | 10125.98 | -10118.08 | 400.52 | 3261618.28 | 1403885.77 | 40.4382622 | -104.5601035 | 0.79 | |
| 16367.00 | 89.970 | 177.870 | 6875.14 | 10220.98 | -10213.00 | 404.44 | 3261622.19 | 1403790.85 | 40.4380016 | -104.5600930 | 0.49 | |
| 16462.00 | 89.940 | 178.700 | 6875.21 | 10315.97 | -10307.95 | 407.28 | 3261625.03 | 1403695.90 | 40.4377409 | -104.5600864 | 0.87 | |
| 16556.00 | 90.520 | 178.740 | 6874.83 | 10409.96 | -10401.93 | 409.38 | 3261627.13 | 1403601.93 | 40.4374829 | -104.5600825 | 0.62 | |
| 16651.00 | 89.850 | 178.230 | 6874.53 | 10504.94 | -10496.90 | 411.89 | 3261629.65 | 1403506.96 | 40.4372221 | -104.5600770 | 0.89 | |
| 16746.00 | 89.940 | 177.210 | 6874.70 | 10599.94 | -10591.82 | 415.67 | 3261633.42 | 1403412.04 | 40.4369615 | -104.5600671 | 1.08 | |
| 16840.00 | 90.060 | 177.700 | 6874.70 | 10693.94 | -10685.73 | 419.84 | 3261637.60 | 1403318.14 | 40.4367036 | -104.5600557 | 0.54 | LAST BH MWD SURVEY |
| 16873.00† | 90.060 | 177.700 | 6874.67 | 10726.94 | -10718.70 | 421.17 | 3261638.92 | 1403285.17 | 40.4366131 | -104.5600522 | 0.00 | PROJECTION TO BIT |



Actual Wellpath Report

RAMPART A33-770 AWP

Page 8 of 10



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--|----------|---------------------|
| Operator | NOBLE ENERGY, INC | Well | RAMPART A33-770 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512350928 |
| Facility | SEC.21-T06N-R64W | Wellbore | RAMPART A33-770 AWB |
| Slot | SLOT#32 RAMPART A33-770 (652'FSL & 960'FWL,SEC.21) | | |

HOLE & CASING SECTIONS - Ref Wellbore: RAMPART A33-770 AWB Ref Wellpath: RAMPART A33-770 AWP

| String/Diameter | Start MD [ft] | End MD [ft] | Interval [ft] | Start TVD [ft] | End TVD [ft] | Start N/S [ft] | Start E/W [ft] | End N/S [ft] | End E/W [ft] |
|------------------------|---------------|-------------|---------------|----------------|--------------|----------------|----------------|--------------|--------------|
| 9.625in Casing Surface | 30.00 | 1935.00 | 1905.00 | 30.00 | 1934.95 | -0.02 | 0.01 | -4.61 | 3.28 |

TARGETS

| Name | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Shape |
|---|----------|------------|-----------|-------------------|--------------------|------------|--------------|---------|
| SEC.28-T06N-R64W | 20.00 | -218.29 | -2372.12 | 3258845.74 | 1413785.18 | 40.4655147 | -104.5696903 | polygon |
| 2D Polygon: dimensions not calculated | | | | | | | | |
| SEC.33-T06N-R64W | 20.00 | -218.29 | -2372.12 | 3258845.74 | 1413785.18 | 40.4655147 | -104.5696903 | polygon |
| 2D Polygon: dimensions not calculated | | | | | | | | |
| RAMPART A33-770 TPZ REV-2 (460'FNL & 1320'FWL,SEC.28) | 6851.00 | -1104.70 | 366.06 | 3261583.82 | 1412898.80 | 40.4630025 | -104.5598840 | point |
| RAMPART A33-770 TPZ REV-1 (460'FNL & 1320'FWL,SEC.28) | 6861.00 | -1104.70 | 366.06 | 3261583.82 | 1412898.80 | 40.4630025 | -104.5598840 | point |
| RAMPART A33-770 BHL REV-1 (460'FSL & 1323'FWL,SEC.33) | 6875.00 | -10720.03 | 446.31 | 3261664.06 | 1403283.84 | 40.4366087 | -104.5599619 | point |



Actual Wellpath Report

RAMPART A33-770 AWP

Page 9 of 10



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|--|----------|---------------------|
| Operator | NOBLE ENERGY, INC | Well | RAMPART A33-770 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512350928 |
| Facility | SEC.21-T06N-R64W | Wellbore | RAMPART A33-770 AWB |
| Slot | SLOT#32 RAMPART A33-770 (652'FSL & 960'FWL,SEC.21) | | |

WELLPATH COMPOSITION - Ref Wellbore: RAMPART A33-770 AWB Ref Wellpath: RAMPART A33-770 AWP

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore | Survey Date |
|---------------|-------------|-------------------------------|---|---------------------|-------------|
| 0.00 | 1913.00 | Gyrodatta 2015 - GC+DROP+COND | Gyrodatta 2015 - GC+DROP+COND 13-1/2" <78 - 1913> | RAMPART A33-770 AWB | 8/2/2021 |
| 1913.00 | 16873.00 | OWSG MWD rev2 (MS+IFR1) | OWSG MWD rev2 (MS+IFR1) 8-1/2" <2086 - 16840> | RAMPART A33-770 AWB | 8/2/2021 |



Actual Wellpath Report

RAMPART A33-770 AWP

Page 10 of 10



REFERENCE WELLPATH IDENTIFICATION

| | | | |
|----------|---|----------|---------------------|
| Operator | NOBLE ENERGY, INC | Well | RAMPART A33-770 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512350928 |
| Facility | SEC.21-T06N-R64W | Wellbore | RAMPART A33-770 AWB |
| Slot | SLOT#32 RAMPART A33-770 (652'FSL & 960'FWL, SEC.21) | | |

WELLPATH COMMENTS

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Comment |
|------------|--------------------|----------------|-------------|-----------------------|
| 78.00 | 0.220 | 149.840 | 78.00 | FIRST GYRODATA SURVEY |
| 1913.00 | 0.840 | 170.040 | 1912.96 | LAST GYRODATA SURVEY |
| 2086.00 | 5.550 | 130.930 | 2085.65 | FIRST BH MWD SURVEY |
| 16840.00 | 90.060 | 177.700 | 6874.70 | LAST BH MWD SURVEY |
| 16873.00 | 90.060 | 177.700 | 6874.67 | PROJECTION TO BIT |