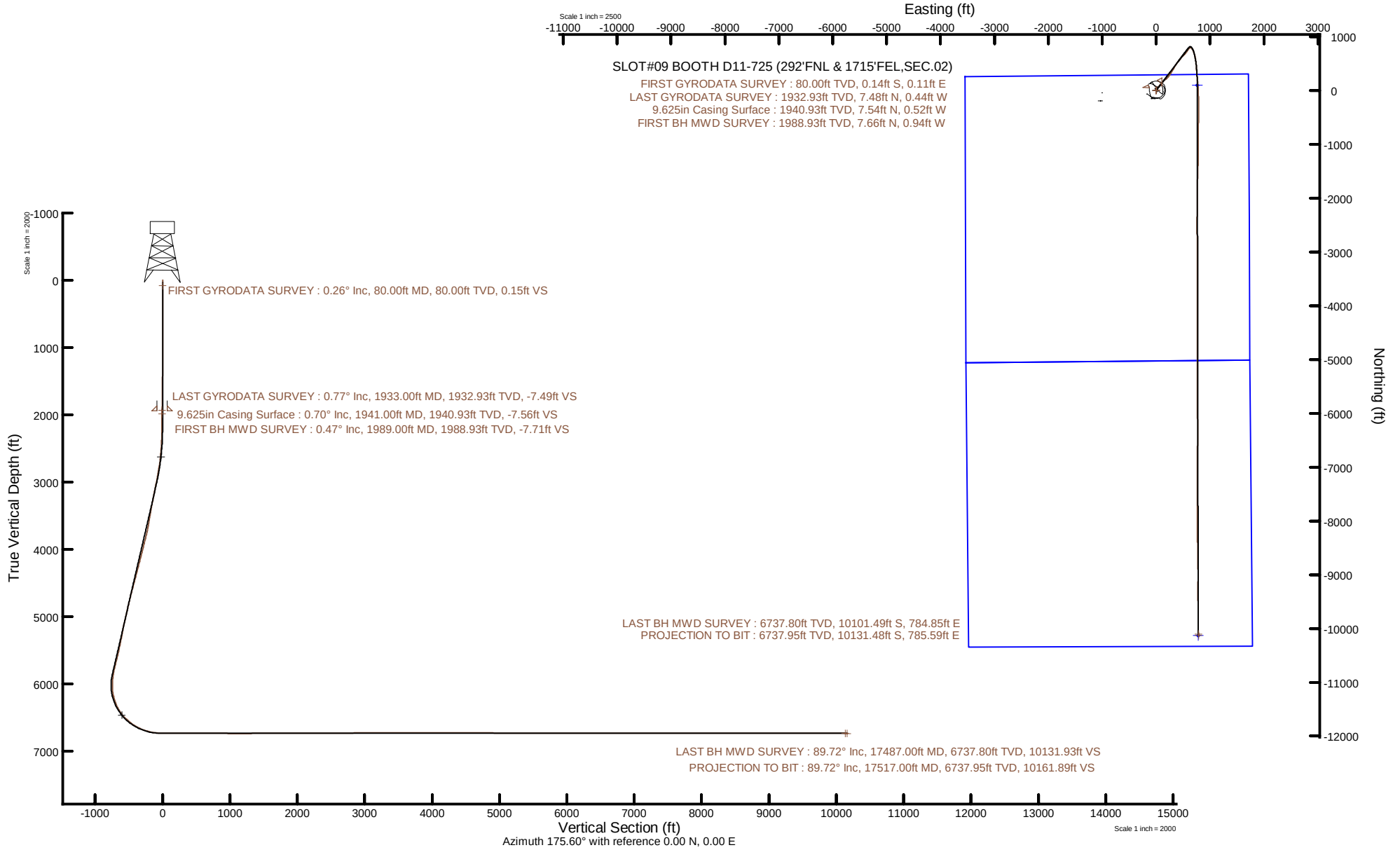
# NOBLE ENERGY, INC

| | | | |
|---|---|---|---|
| Location: | COLORADO | Slot: | SLOT#09 BOOTH D11-725 (292'FNL & 1715'FEL,SEC.02) |
| Field: | WELD COUNTY (NOBLE NAD 83 GRID) | Well: | BOOTH D11-725 |
| Facility: | SEC.02-T03N-R64W | Wellbore: | BOOTH D11-725 PWB |

| | |
|---|---|
| Plot reference wellpath is BOOTH D11-725 PWP Rev-A.0 | Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet |
| True vertical depths are referenced to H&P 517 (30') (KB) | North Reference: Grid north |
| Reference wellpath measured depths are referenced to H&P 517 (30') (KB) | Scale: True distance |
| H&P 517 (30') (KB) to Mean Sea Level: 4752 feet | Coordinates are in feet referenced to Slot |
| Mean Sea Level to Mud line (At Slot: SLOT#09 BOOTH D11-725 (292'FNL & 1715'FEL,SEC.02)): 0 feet | Depths are in feet |
| Offset wellpath MDs are referenced to each path's default MD datum | Created by: painsetr on 2022-01-07; Database: WellArchitectDB |



# Actual Wellpath Report

**BOOTH D11-725 AWP**



| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | **NOBLE ENERGY, INC** | Well | **BOOTH D11-725** |
| Field | **WELD COUNTY (NOBLE NAD 83 GRID)** | API | **0512348921** |
| Facility | **SEC.02-T03N-R64W** | Wellbore | **BOOTH D11-725 AWB** |
| Slot | **SLOT#09 BOOTH D11-725 (292'FNL & 1715'FEL,SEC.02)** | | |

| 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 | **0.999957** | Report Generated | **1/7/2022** at **11:10:50 AM** |
| Convergence at slot | **0.64° East** | Database | **WellArchitectDB** |

| WELLPATH LOCATION | Local coordinates | | Grid coordinates | | Geographic coordinates | |
|---|---|---|---|---|---|---|
| | **North[ft]** | **East[ft]** | **Easting[US ft]** | **Northing[US ft]** | **Latitude** | **Longitude** |
| Slot Location | 41.67 | 1097.00 | 3274897.00 | 1339430.28 | **40.2609440°** | **-104.5149740°** |
| Facility Reference Pt | | | **3273800.05** | **1339388.61** | 40.2608630° | -104.5189060° |
| Field Reference Pt | | | **3000000.00** | **4454105.15** | 48.7761986° | -105.5000000° |

| WELLPATH DATUM | | | |
|---|---|---|---|
| Calculation method | **Minimum curvature** | H&P 517 (30') (KB) to Facility Vertical Datum | **4752.00ft** |
| Horizontal Reference Pt | **Slot** | H&P 517 (30') (KB) to Mean Sea Level | **4752.00ft** |
| Vertical Reference Pt | **H&P 517 (30') (KB)** | H&P 517 (30') (KB) to Mud Line at Slot (SLOT#09 BOOTH D11-725 (292'FNL & 1715'FEL,SEC.02)) | **4752.00ft** |
| MD Reference Pt | **H&P 517 (30') (KB)** | Section Origin | **N 0.00, E 0.00 ft** |
| Field Vertical Reference | **Mean Sea Level** | Section Azimuth | **175.60°** |

# Actual Wellpath Report

**BOOTH D11-725 AWP**



| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | NOBLE ENERGY, INC | Well | BOOTH D11-725 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512348921 |
| Facility | SEC.02-T03N-R64W | Wellbore | BOOTH D11-725 AWB |
| Slot | SLOT#09 BOOTH D11-725 (292'FNL & 1715'FEL,SEC.02) | | |

**WELLPATH DATA (183 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 | 140.710 | 0.00 | 0.00 | 0.00 | 0.00 | 3274897.00 | 1339430.28 | 40.2609440 | -104.5149740 | 0.00 | |
| 80.00 | 0.260 | 140.710 | 80.00 | 0.15 | -0.14 | 0.11 | 3274897.12 | 1339430.14 | 40.2609436 | -104.5149736 | 0.32 | FIRST GYRODATA SURVEY |
| 173.00 | 0.250 | 64.820 | 173.00 | 0.25 | -0.22 | 0.43 | 3274897.43 | 1339430.06 | 40.2609434 | -104.5149725 | 0.34 | |
| 265.00 | 0.250 | 83.410 | 265.00 | 0.17 | -0.11 | 0.81 | 3274897.81 | 1339430.17 | 40.2609437 | -104.5149711 | 0.09 | |
| 359.00 | 0.170 | 319.860 | 359.00 | 0.05 | 0.02 | 0.93 | 3274897.93 | 1339430.30 | 40.2609440 | -104.5149707 | 0.40 | |
| 454.00 | 0.010 | 138.840 | 454.00 | -0.06 | 0.12 | 0.84 | 3274897.84 | 1339430.40 | 40.2609443 | -104.5149710 | 0.19 | |
| 548.00 | 0.200 | 352.960 | 548.00 | -0.21 | 0.28 | 0.83 | 3274897.83 | 1339430.56 | 40.2609447 | -104.5149710 | 0.22 | |
| 642.00 | 0.140 | 224.080 | 642.00 | -0.30 | 0.36 | 0.73 | 3274897.73 | 1339430.64 | 40.2609450 | -104.5149714 | 0.33 | |
| 737.00 | 0.050 | 251.780 | 737.00 | -0.22 | 0.26 | 0.61 | 3274897.61 | 1339430.54 | 40.2609447 | -104.5149718 | 0.10 | |
| 832.00 | 0.320 | 188.800 | 832.00 | 0.05 | -0.01 | 0.53 | 3274897.53 | 1339430.27 | 40.2609440 | -104.5149721 | 0.32 | |
| 926.00 | 0.370 | 133.600 | 926.00 | 0.53 | -0.48 | 0.71 | 3274897.71 | 1339429.80 | 40.2609427 | -104.5149715 | 0.34 | |
| 1021.00 | 0.170 | 141.570 | 1020.99 | 0.88 | -0.80 | 1.02 | 3274898.02 | 1339429.47 | 40.2609418 | -104.5149704 | 0.21 | |
| 1115.00 | 0.220 | 236.490 | 1114.99 | 1.08 | -1.01 | 0.95 | 3274897.95 | 1339429.27 | 40.2609412 | -104.5149706 | 0.31 | |
| 1209.00 | 0.140 | 278.940 | 1208.99 | 1.14 | -1.09 | 0.69 | 3274897.69 | 1339429.18 | 40.2609410 | -104.5149716 | 0.16 | |
| 1304.00 | 0.460 | 8.650 | 1303.99 | 0.74 | -0.70 | 0.63 | 3274897.63 | 1339429.58 | 40.2609421 | -104.5149718 | 0.51 | |
| 1399.00 | 0.770 | 13.710 | 1398.99 | -0.23 | 0.30 | 0.84 | 3274897.84 | 1339430.58 | 40.2609448 | -104.5149710 | 0.33 | |
| 1493.00 | 0.760 | 359.900 | 1492.98 | -1.46 | 1.54 | 0.99 | 3274897.99 | 1339431.81 | 40.2609482 | -104.5149704 | 0.20 | |
| 1587.00 | 0.700 | 3.440 | 1586.97 | -2.65 | 2.73 | 1.02 | 3274898.02 | 1339433.01 | 40.2609515 | -104.5149702 | 0.08 | |
| 1682.00 | 0.760 | 351.790 | 1681.96 | -3.85 | 3.94 | 0.97 | 3274897.97 | 1339434.21 | 40.2609548 | -104.5149704 | 0.17 | |
| 1776.00 | 0.970 | 345.440 | 1775.95 | -5.25 | 5.32 | 0.68 | 3274897.68 | 1339435.60 | 40.2609586 | -104.5149714 | 0.25 | |
| 1870.00 | 0.920 | 332.030 | 1869.94 | -6.73 | 6.76 | 0.12 | 3274897.12 | 1339437.04 | 40.2609625 | -104.5149733 | 0.24 | |
| 1933.00 | 0.770 | 310.490 | 1932.93 | -7.49 | 7.48 | -0.44 | 3274896.56 | 1339437.76 | 40.2609645 | -104.5149753 | 0.55 | LAST GYRODATA SURVEY |
| 1989.00 | 0.470 | 253.000 | 1988.93 | -7.71 | 7.66 | -0.94 | 3274896.06 | 1339437.93 | 40.2609650 | -104.5149771 | 1.16 | FIRST BH MWD SURVEY |
| 2084.00 | 0.140 | 254.910 | 2083.93 | -7.60 | 7.51 | -1.43 | 3274895.57 | 1339437.79 | 40.2609647 | -104.5149788 | 0.35 | |
| 2273.00 | 2.040 | 37.340 | 2272.89 | -10.07 | 10.13 | 0.39 | 3274897.39 | 1339440.41 | 40.2609718 | -104.5149722 | 1.14 | |
| 2368.00 | 3.830 | 37.990 | 2367.76 | -13.67 | 13.97 | 3.37 | 3274900.37 | 1339444.25 | 40.2609823 | -104.5149614 | 1.88 | |
| 2462.00 | 4.790 | 37.850 | 2461.50 | -18.90 | 19.55 | 7.71 | 3274904.71 | 1339449.82 | 40.2609974 | -104.5149456 | 1.02 | |
| 2557.00 | 6.300 | 38.600 | 2556.05 | -25.65 | 26.75 | 13.40 | 3274910.40 | 1339457.03 | 40.2610170 | -104.5149249 | 1.59 | |
| 2652.00 | 8.420 | 37.460 | 2650.26 | -34.64 | 36.35 | 20.88 | 3274917.88 | 1339466.62 | 40.2610431 | -104.5148977 | 2.24 | |
| 2746.00 | 11.470 | 38.250 | 2742.84 | -46.64 | 49.15 | 30.85 | 3274927.85 | 1339479.43 | 40.2610780 | -104.5148615 | 3.25 | |
| 2840.00 | 12.320 | 37.800 | 2834.82 | -60.94 | 64.42 | 42.79 | 3274939.79 | 1339494.69 | 40.2611195 | -104.5148181 | 0.91 | |
| 2935.00 | 14.130 | 37.000 | 2927.29 | -77.15 | 81.69 | 55.98 | 3274952.98 | 1339511.96 | 40.2611665 | -104.5147702 | 1.91 | |
| 3030.00 | 15.130 | 37.920 | 3019.21 | -95.01 | 100.73 | 70.58 | 3274967.57 | 1339531.00 | 40.2612183 | -104.5147171 | 1.08 | |
| 3124.00 | 16.140 | 39.760 | 3109.73 | -113.46 | 120.45 | 86.47 | 3274983.47 | 1339550.72 | 40.2612720 | -104.5146594 | 1.20 | |
| 3218.00 | 14.960 | 40.300 | 3200.29 | -131.45 | 139.75 | 102.68 | 3274999.67 | 1339570.02 | 40.2613245 | -104.5146006 | 1.26 | |
| 3313.00 | 15.440 | 40.030 | 3291.97 | -149.20 | 158.79 | 118.74 | 3275015.74 | 1339589.06 | 40.2613762 | -104.5145422 | 0.51 | |
| 3408.00 | 16.690 | 43.910 | 3383.26 | -167.30 | 178.30 | 136.34 | 3275033.33 | 1339608.57 | 40.2614292 | -104.5144784 | 1.73 | |
| 3502.00 | 16.230 | 52.420 | 3473.42 | -183.47 | 196.04 | 156.11 | 3275053.11 | 1339626.30 | 40.2614773 | -104.5144069 | 2.61 | |
| 3597.00 | 17.650 | 57.570 | 3564.30 | -197.50 | 211.86 | 178.79 | 3275075.78 | 1339642.13 | 40.2615201 | -104.5143250 | 2.17 | |
| 3691.00 | 17.730 | 52.250 | 3653.86 | -212.07 | 228.26 | 202.14 | 3275099.13 | 1339658.53 | 40.2615644 | -104.5142407 | 1.72 | |
| 3786.00 | 17.420 | 36.900 | 3744.48 | -230.71 | 248.50 | 222.13 | 3275119.12 | 1339678.77 | 40.2616193 | -104.5141683 | 4.88 | |
| 3881.00 | 17.770 | 33.790 | 3835.03 | -252.79 | 271.92 | 238.73 | 3275135.72 | 1339702.19 | 40.2616831 | -104.5141079 | 1.06 | |
| 3975.00 | 17.290 | 32.050 | 3924.67 | -275.30 | 295.68 | 254.12 | 3275151.11 | 1339725.95 | 40.2617478 | -104.5140518 | 0.76 | |
| 4069.00 | 17.360 | 31.630 | 4014.40 | -297.87 | 319.46 | 268.88 | 3275165.87 | 1339749.73 | 40.2618127 | -104.5139979 | 0.15 | |
| 4164.00 | 17.400 | 31.170 | 4105.07 | -320.89 | 343.69 | 283.67 | 3275180.66 | 1339773.95 | 40.2618787 | -104.5139440 | 0.15 | |

| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | NOBLE ENERGY, INC | Well | BOOTH D11-725 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512348921 |
| Facility | SEC.02-T03N-R64W | Wellbore | BOOTH D11-725 AWB |
| Slot | SLOT#09 BOOTH D11-725 (292'FNL & 1715'FEL,SEC.02) | | |

**WELLPATH DATA (183 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4259.00 | 17.370 | 31.360 | 4195.73 | -343.95 | 367.95 | 298.40 | 3275195.39 | 1339798.21 | 40.2619448 | -104.5138902 | 0.07 | |
| 4353.00 | 17.590 | 31.110 | 4285.39 | -366.90 | 392.09 | 313.04 | 3275210.03 | 1339822.35 | 40.2620107 | -104.5138368 | 0.25 | |
| 4448.00 | 18.220 | 31.470 | 4375.78 | -390.62 | 417.05 | 328.21 | 3275225.20 | 1339847.31 | 40.2620787 | -104.5137815 | 0.67 | |
| 4542.00 | 18.130 | 31.400 | 4465.10 | -414.38 | 442.07 | 343.50 | 3275240.49 | 1339872.32 | 40.2621469 | -104.5137257 | 0.10 | |
| 4637.00 | 17.910 | 31.110 | 4555.44 | -438.26 | 467.19 | 358.75 | 3275255.74 | 1339897.44 | 40.2622154 | -104.5136700 | 0.25 | |
| 4732.00 | 18.050 | 31.060 | 4645.80 | -462.14 | 492.30 | 373.89 | 3275270.88 | 1339922.56 | 40.2622839 | -104.5136148 | 0.15 | |
| 4826.00 | 18.060 | 36.520 | 4735.17 | -485.01 | 516.49 | 390.08 | 3275287.06 | 1339946.74 | 40.2623498 | -104.5135558 | 1.80 | |
| 4921.00 | 18.100 | 42.750 | 4825.49 | -506.18 | 539.16 | 408.86 | 3275305.84 | 1339969.41 | 40.2624114 | -104.5134876 | 2.03 | |
| 5015.00 | 17.630 | 36.400 | 4914.97 | -526.88 | 561.34 | 427.22 | 3275324.20 | 1339991.60 | 40.2624717 | -104.5134210 | 2.13 | |
| 5110.00 | 17.190 | 37.580 | 5005.62 | -548.21 | 584.05 | 444.32 | 3275341.30 | 1340014.30 | 40.2625335 | -104.5133588 | 0.59 | |
| 5204.00 | 17.030 | 38.180 | 5095.46 | -568.67 | 605.88 | 461.30 | 3275358.28 | 1340036.13 | 40.2625929 | -104.5132971 | 0.25 | |
| 5299.00 | 15.030 | 42.330 | 5186.76 | -587.36 | 625.92 | 478.20 | 3275375.17 | 1340056.17 | 40.2626474 | -104.5132358 | 2.43 | |
| 5393.00 | 15.780 | 43.880 | 5277.38 | -604.21 | 644.14 | 495.26 | 3275392.24 | 1340074.39 | 40.2626969 | -104.5131739 | 0.91 | |
| 5488.00 | 16.740 | 44.970 | 5368.58 | -621.72 | 663.14 | 513.89 | 3275410.86 | 1340093.38 | 40.2627485 | -104.5131064 | 1.06 | |
| 5583.00 | 17.310 | 43.080 | 5459.42 | -640.18 | 683.14 | 533.21 | 3275430.19 | 1340113.38 | 40.2628028 | -104.5130364 | 0.84 | |
| 5677.00 | 17.340 | 35.780 | 5549.16 | -660.33 | 704.72 | 550.95 | 3275447.93 | 1340134.96 | 40.2628615 | -104.5129719 | 2.31 | |
| 5772.00 | 17.340 | 34.870 | 5639.85 | -682.11 | 727.82 | 567.32 | 3275464.30 | 1340158.06 | 40.2629244 | -104.5129124 | 0.29 | |
| 5867.00 | 17.460 | 34.480 | 5730.50 | -704.16 | 751.18 | 583.49 | 3275480.46 | 1340181.43 | 40.2629880 | -104.5128535 | 0.18 | |
| 5961.00 | 16.210 | 42.570 | 5820.48 | -724.10 | 772.47 | 600.35 | 3275497.32 | 1340202.72 | 40.2630460 | -104.5127923 | 2.82 | |
| 6056.00 | 10.780 | 47.560 | 5912.83 | -738.63 | 788.25 | 615.89 | 3275512.86 | 1340218.49 | 40.2630888 | -104.5127360 | 5.84 | |
| 6150.00 | 12.250 | 76.730 | 6005.01 | -745.59 | 796.48 | 632.10 | 3275529.07 | 1340226.72 | 40.2631109 | -104.5126776 | 6.31 | |
| 6245.00 | 11.850 | 117.160 | 6098.08 | -742.03 | 794.33 | 650.62 | 3275547.59 | 1340224.57 | 40.2631044 | -104.5126113 | 8.72 | |
| 6339.00 | 15.880 | 143.510 | 6189.41 | -726.06 | 779.57 | 666.87 | 3275563.84 | 1340209.81 | 40.2630634 | -104.5125536 | 7.86 | |
| 6433.00 | 21.520 | 153.290 | 6278.43 | -699.18 | 753.80 | 682.29 | 3275579.26 | 1340184.04 | 40.2629922 | -104.5124994 | 6.85 | |
| 6528.00 | 28.610 | 161.330 | 6364.46 | -660.96 | 716.63 | 697.42 | 3275594.39 | 1340146.87 | 40.2628897 | -104.5124467 | 8.26 | |
| 6622.00 | 37.480 | 164.610 | 6443.18 | -610.97 | 667.63 | 712.25 | 3275609.22 | 1340097.88 | 40.2627548 | -104.5123955 | 9.62 | |
| 6717.00 | 44.860 | 169.480 | 6514.66 | -549.18 | 606.72 | 726.06 | 3275623.03 | 1340036.97 | 40.2625872 | -104.5123485 | 8.46 | |
| 6811.00 | 52.380 | 173.120 | 6576.77 | -478.91 | 537.05 | 736.59 | 3275633.56 | 1339967.31 | 40.2623956 | -104.5123135 | 8.51 | |
| 6906.00 | 60.080 | 175.410 | 6629.54 | -400.03 | 458.54 | 744.40 | 3275641.37 | 1339888.80 | 40.2621799 | -104.5122887 | 8.35 | |
| 7000.00 | 67.040 | 175.400 | 6671.37 | -315.91 | 374.69 | 751.14 | 3275648.11 | 1339804.95 | 40.2619495 | -104.5122679 | 7.40 | |
| 7095.00 | 73.510 | 174.390 | 6703.41 | -226.54 | 285.67 | 759.11 | 3275656.08 | 1339715.94 | 40.2617049 | -104.5122429 | 6.88 | |
| 7189.00 | 80.440 | 175.840 | 6724.59 | -135.02 | 194.48 | 766.89 | 3275663.85 | 1339624.75 | 40.2614544 | -104.5122186 | 7.52 | |
| 7284.00 | 88.710 | 174.760 | 6733.56 | -40.53 | 100.31 | 774.64 | 3275671.60 | 1339530.58 | 40.2611957 | -104.5121946 | 8.78 | |
| 7378.00 | 89.660 | 177.640 | 6734.90 | 53.44 | 6.54 | 780.86 | 3275677.83 | 1339436.81 | 40.2609381 | -104.5121761 | 3.23 | |
| 7473.00 | 89.720 | 178.280 | 6735.41 | 148.36 | -88.40 | 784.25 | 3275681.21 | 1339341.88 | 40.2606774 | -104.5121677 | 0.68 | |
| 7568.00 | 89.540 | 179.990 | 6736.03 | 243.17 | -183.39 | 785.68 | 3275682.64 | 1339246.90 | 40.2604167 | -104.5121664 | 1.81 | |
| 7662.00 | 90.220 | 180.250 | 6736.22 | 336.88 | -277.39 | 785.48 | 3275682.45 | 1339152.90 | 40.2601586 | -104.5121708 | 0.77 | |
| 7757.00 | 90.430 | 180.000 | 6735.68 | 431.58 | -372.38 | 785.28 | 3275682.24 | 1339057.91 | 40.2598979 | -104.5121754 | 0.34 | |
| 7851.00 | 89.690 | 180.070 | 6735.59 | 525.30 | -466.38 | 785.22 | 3275682.18 | 1338963.92 | 40.2596399 | -104.5121793 | 0.79 | |
| 7946.00 | 89.600 | 180.310 | 6736.18 | 619.99 | -561.38 | 784.90 | 3275681.87 | 1338868.92 | 40.2593792 | -104.5121843 | 0.27 | |
| 8040.00 | 89.750 | 180.410 | 6736.71 | 713.67 | -655.38 | 784.31 | 3275681.28 | 1338774.93 | 40.2591212 | -104.5121901 | 0.19 | |
| 8135.00 | 89.910 | 180.090 | 6736.99 | 808.35 | -750.38 | 783.90 | 3275680.86 | 1338679.94 | 40.2588604 | -104.5121954 | 0.38 | |
| 8229.00 | 89.570 | 180.130 | 6737.42 | 902.06 | -844.37 | 783.72 | 3275680.68 | 1338585.94 | 40.2586024 | -104.5121998 | 0.36 | |
| 8324.00 | 89.600 | 180.320 | 6738.10 | 996.75 | -939.37 | 783.34 | 3275680.31 | 1338490.95 | 40.2583417 | -104.5122049 | 0.20 | |
| 8418.00 | 89.850 | 180.070 | 6738.56 | 1090.44 | -1033.37 | 783.02 | 3275679.99 | 1338396.95 | 40.2580837 | -104.5122098 | 0.38 | |

| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | NOBLE ENERGY, INC | Well | BOOTH D11-725 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512348921 |
| Facility | SEC.02-T03N-R64W | Wellbore | BOOTH D11-725 AWB |
| Slot | SLOT#09 BOOTH D11-725 (292'FNL & 1715'FEL,SEC.02) | | |

**WELLPATH DATA (183 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8513.00 | 90.000 | 179.540 | 6738.68 | 1185.19 | -1128.37 | 783.35 | 3275680.31 | 1338301.96 | 40.2578229 | -104.5122125 | 0.58 | |
| 8607.00 | 90.370 | 180.520 | 6738.38 | 1278.90 | -1222.37 | 783.30 | 3275680.26 | 1338207.97 | 40.2575649 | -104.5122164 | 1.11 | |
| 8702.00 | 91.080 | 182.780 | 6737.17 | 1373.36 | -1317.31 | 780.56 | 3275677.53 | 1338113.02 | 40.2573044 | -104.5122300 | 2.49 | |
| 8796.00 | 90.800 | 182.420 | 6735.63 | 1466.64 | -1411.20 | 776.30 | 3275673.27 | 1338019.14 | 40.2570468 | -104.5122490 | 0.49 | |
| 8891.00 | 90.090 | 181.740 | 6734.89 | 1561.03 | -1506.14 | 772.85 | 3275669.82 | 1337924.21 | 40.2567864 | -104.5122651 | 1.03 | |
| 8985.00 | 89.910 | 182.270 | 6734.89 | 1654.45 | -1600.08 | 769.56 | 3275666.53 | 1337830.27 | 40.2565286 | -104.5122807 | 0.60 | |
| 9080.00 | 90.090 | 181.090 | 6734.89 | 1748.91 | -1695.04 | 766.78 | 3275663.74 | 1337735.32 | 40.2562681 | -104.5122944 | 1.26 | |
| 9174.00 | 89.780 | 180.610 | 6735.00 | 1842.51 | -1789.03 | 765.38 | 3275662.35 | 1337641.33 | 40.2560101 | -104.5123032 | 0.61 | |
| 9269.00 | 89.880 | 180.680 | 6735.28 | 1937.14 | -1884.02 | 764.31 | 3275661.28 | 1337546.34 | 40.2557494 | -104.5123108 | 0.13 | |
| 9363.00 | 89.510 | 180.230 | 6735.78 | 2030.80 | -1978.01 | 763.57 | 3275660.53 | 1337452.35 | 40.2554914 | -104.5123172 | 0.62 | |
| 9457.00 | 89.910 | 179.980 | 6736.26 | 2124.51 | -2072.01 | 763.40 | 3275660.36 | 1337358.36 | 40.2552334 | -104.5123216 | 0.50 | |
| 9552.00 | 90.520 | 181.290 | 6735.90 | 2219.14 | -2167.00 | 762.34 | 3275659.31 | 1337263.37 | 40.2549727 | -104.5123292 | 1.52 | |
| 9646.00 | 89.410 | 180.760 | 6735.96 | 2312.72 | -2260.99 | 760.66 | 3275657.63 | 1337169.39 | 40.2547148 | -104.5123389 | 1.31 | |
| 9741.00 | 90.890 | 180.530 | 6735.71 | 2407.35 | -2355.98 | 759.59 | 3275656.56 | 1337074.41 | 40.2544541 | -104.5123466 | 1.58 | |
| 9835.00 | 90.860 | 180.910 | 6734.28 | 2500.96 | -2449.96 | 758.41 | 3275655.38 | 1336980.43 | 40.2541962 | -104.5123545 | 0.41 | |
| 9930.00 | 90.430 | 179.880 | 6733.21 | 2595.62 | -2544.95 | 757.76 | 3275654.72 | 1336885.44 | 40.2539355 | -104.5123607 | 1.17 | |
| 10024.00 | 90.460 | 178.420 | 6732.48 | 2689.43 | -2638.93 | 759.15 | 3275656.12 | 1336791.46 | 40.2536775 | -104.5123594 | 1.55 | |
| 10119.00 | 90.400 | 179.810 | 6731.76 | 2784.25 | -2733.92 | 760.62 | 3275657.58 | 1336696.48 | 40.2534167 | -104.5123580 | 1.46 | |
| 10214.00 | 90.770 | 180.630 | 6730.79 | 2878.93 | -2828.91 | 760.25 | 3275657.22 | 1336601.49 | 40.2531560 | -104.5123631 | 0.95 | |
| 10308.00 | 90.340 | 179.840 | 6729.88 | 2972.62 | -2922.90 | 759.87 | 3275656.83 | 1336507.50 | 40.2528980 | -104.5123682 | 0.96 | |
| 10403.00 | 89.600 | 180.010 | 6729.93 | 3067.35 | -3017.90 | 759.99 | 3275656.96 | 1336412.51 | 40.2526373 | -104.5123715 | 0.80 | |
| 10497.00 | 89.910 | 180.000 | 6730.33 | 3161.07 | -3111.90 | 759.98 | 3275656.95 | 1336318.52 | 40.2523793 | -104.5123753 | 0.33 | |
| 10592.00 | 90.490 | 179.360 | 6730.00 | 3255.83 | -3206.90 | 760.51 | 3275657.48 | 1336223.52 | 40.2521185 | -104.5123772 | 0.91 | |
| 10687.00 | 90.310 | 179.670 | 6729.34 | 3350.60 | -3301.89 | 761.32 | 3275658.28 | 1336128.53 | 40.2518577 | -104.5123781 | 0.38 | |
| 10781.00 | 90.550 | 179.790 | 6728.63 | 3444.36 | -3395.89 | 761.76 | 3275658.73 | 1336034.54 | 40.2515997 | -104.5123803 | 0.29 | |
| 10876.00 | 90.280 | 179.580 | 6727.95 | 3539.11 | -3490.89 | 762.28 | 3275659.25 | 1335939.55 | 40.2513390 | -104.5123822 | 0.36 | |
| 11064.00 | 89.820 | 179.340 | 6727.78 | 3726.68 | -3678.88 | 764.06 | 3275661.02 | 1335751.57 | 40.2508229 | -104.5123833 | 0.28 | |
| 11159.00 | 89.780 | 180.000 | 6728.11 | 3821.44 | -3773.87 | 764.60 | 3275661.57 | 1335656.57 | 40.2505621 | -104.5123852 | 0.70 | |
| 11253.00 | 89.350 | 179.920 | 6728.83 | 3915.17 | -3867.87 | 764.67 | 3275661.63 | 1335562.58 | 40.2503041 | -104.5123887 | 0.47 | |
| 11348.00 | 89.540 | 179.750 | 6729.75 | 4009.90 | -3962.87 | 764.94 | 3275661.91 | 1335467.59 | 40.2500434 | -104.5123915 | 0.27 | |
| 11443.00 | 89.880 | 180.270 | 6730.23 | 4104.62 | -4057.86 | 764.93 | 3275661.89 | 1335372.60 | 40.2497826 | -104.5123954 | 0.65 | |
| 11537.00 | 89.850 | 180.290 | 6730.45 | 4198.30 | -4151.86 | 764.47 | 3275661.43 | 1335278.60 | 40.2495246 | -104.5124008 | 0.04 | |
| 11632.00 | 90.120 | 180.230 | 6730.47 | 4292.99 | -4246.86 | 764.03 | 3275661.00 | 1335183.61 | 40.2492639 | -104.5124061 | 0.29 | |
| 11727.00 | 89.780 | 179.960 | 6730.56 | 4387.70 | -4341.86 | 763.88 | 3275660.84 | 1335088.61 | 40.2490031 | -104.5124104 | 0.46 | |
| 11916.00 | 90.680 | 179.710 | 6729.80 | 4576.18 | -4530.86 | 764.42 | 3275661.39 | 1334899.62 | 40.2484844 | -104.5124160 | 0.49 | |
| 12010.00 | 90.550 | 180.030 | 6728.79 | 4669.91 | -4624.85 | 764.63 | 3275661.60 | 1334805.63 | 40.2482264 | -104.5124190 | 0.37 | |
| 12105.00 | 88.920 | 179.740 | 6729.23 | 4764.64 | -4719.85 | 764.83 | 3275661.79 | 1334710.64 | 40.2479656 | -104.5124221 | 1.74 | |
| 12200.00 | 89.380 | 180.090 | 6730.64 | 4859.36 | -4814.84 | 764.97 | 3275661.93 | 1334615.66 | 40.2477049 | -104.5124254 | 0.61 | |
| 12294.00 | 89.320 | 179.790 | 6731.71 | 4953.08 | -4908.83 | 765.06 | 3275662.03 | 1334521.67 | 40.2474469 | -104.5124288 | 0.33 | |
| 12389.00 | 89.540 | 180.230 | 6732.65 | 5047.80 | -5003.82 | 765.05 | 3275662.01 | 1334426.68 | 40.2471862 | -104.5124327 | 0.52 | |
| 12483.00 | 89.080 | 180.100 | 6733.78 | 5141.49 | -5097.82 | 764.78 | 3275661.74 | 1334332.69 | 40.2469282 | -104.5124374 | 0.51 | |
| 12578.00 | 89.170 | 180.030 | 6735.23 | 5236.19 | -5192.81 | 764.67 | 3275661.64 | 1334237.71 | 40.2466674 | -104.5124415 | 0.12 | |
| 12672.00 | 89.630 | 179.470 | 6736.22 | 5329.94 | -5286.80 | 765.08 | 3275662.05 | 1334143.72 | 40.2464094 | -104.5124438 | 0.77 | |
| 12767.00 | 90.370 | 179.790 | 6736.22 | 5424.70 | -5381.80 | 765.69 | 3275662.66 | 1334048.72 | 40.2461487 | -104.5124454 | 0.85 | |
| 12861.00 | 90.650 | 180.000 | 6735.38 | 5518.43 | -5475.79 | 765.87 | 3275662.83 | 1333954.73 | 40.2458907 | -104.5124486 | 0.37 | |

# Actual Wellpath Report

**BOOTH D11-725 AWP**



| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | NOBLE ENERGY, INC | Well | BOOTH D11-725 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512348921 |
| Facility | SEC.02-T03N-R64W | Wellbore | BOOTH D11-725 AWB |
| Slot | SLOT#09 BOOTH D11-725 (292'FNL & 1715'FEL,SEC.02) | | |

**WELLPATH DATA (183 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12956.00 | 89.600 | 180.950 | 6735.17 | 5613.09 | -5570.79 | 765.08 | 3275662.04 | 1333859.74 | 40.2456300 | -104.5124552 | 1.49 | |
| 13050.00 | 89.480 | 179.990 | 6735.93 | 5706.74 | -5664.78 | 764.31 | 3275661.27 | 1333765.75 | 40.2453720 | -104.5124617 | 1.03 | |
| 13144.00 | 90.220 | 180.090 | 6736.17 | 5800.46 | -5758.78 | 764.24 | 3275661.21 | 1333671.76 | 40.2451140 | -104.5124657 | 0.79 | |
| 13239.00 | 89.910 | 179.410 | 6736.07 | 5895.21 | -5853.78 | 764.66 | 3275661.62 | 1333576.76 | 40.2448532 | -104.5124680 | 0.79 | |
| 13333.00 | 90.150 | 179.630 | 6736.02 | 5988.99 | -5947.77 | 765.44 | 3275662.41 | 1333482.77 | 40.2445952 | -104.5124689 | 0.35 | |
| 13428.00 | 89.750 | 178.610 | 6736.10 | 6083.81 | -6042.76 | 766.90 | 3275663.87 | 1333387.79 | 40.2443344 | -104.5124675 | 1.15 | |
| 13522.00 | 90.090 | 179.380 | 6736.23 | 6177.64 | -6136.75 | 768.55 | 3275665.52 | 1333293.81 | 40.2440764 | -104.5124653 | 0.90 | |
| 13617.00 | 89.780 | 179.890 | 6736.34 | 6272.40 | -6231.74 | 769.16 | 3275666.12 | 1333198.82 | 40.2438156 | -104.5124669 | 0.63 | |
| 13711.00 | 89.940 | 180.130 | 6736.57 | 6366.13 | -6325.74 | 769.14 | 3275666.11 | 1333104.82 | 40.2435576 | -104.5124707 | 0.31 | |
| 13800.00 | 90.030 | 179.760 | 6736.59 | 6454.87 | -6414.74 | 769.23 | 3275666.19 | 1333015.82 | 40.2433133 | -104.5124740 | 0.43 | |
| 13895.00 | 90.030 | 180.530 | 6736.54 | 6549.57 | -6509.74 | 768.99 | 3275665.95 | 1332920.83 | 40.2430526 | -104.5124786 | 0.81 | |
| 13990.00 | 89.910 | 180.600 | 6736.59 | 6644.21 | -6604.74 | 768.05 | 3275665.01 | 1332825.84 | 40.2427919 | -104.5124858 | 0.15 | |
| 14084.00 | 89.850 | 180.020 | 6736.79 | 6737.89 | -6698.73 | 767.54 | 3275664.51 | 1332731.85 | 40.2425339 | -104.5124913 | 0.62 | |
| 14273.00 | 89.970 | 180.760 | 6737.09 | 6926.23 | -6887.73 | 766.25 | 3275663.22 | 1332542.86 | 40.2420152 | -104.5125035 | 0.40 | |
| 14368.00 | 89.820 | 180.310 | 6737.26 | 7020.88 | -6982.72 | 765.37 | 3275662.33 | 1332447.87 | 40.2417545 | -104.5125105 | 0.50 | |
| 14462.00 | 89.850 | 180.400 | 6737.53 | 7114.55 | -7076.72 | 764.78 | 3275661.75 | 1332353.87 | 40.2414965 | -104.5125163 | 0.10 | |
| 14556.00 | 89.850 | 180.300 | 6737.78 | 7208.23 | -7170.72 | 764.21 | 3275661.18 | 1332259.88 | 40.2412385 | -104.5125221 | 0.11 | |
| 14651.00 | 90.310 | 180.140 | 6737.64 | 7302.92 | -7265.72 | 763.84 | 3275660.81 | 1332164.89 | 40.2409777 | -104.5125272 | 0.51 | |
| 14746.00 | 90.280 | 180.010 | 6737.16 | 7397.63 | -7360.72 | 763.72 | 3275660.69 | 1332069.89 | 40.2407170 | -104.5125314 | 0.14 | |
| 14840.00 | 90.150 | 180.510 | 6736.80 | 7491.32 | -7454.72 | 763.29 | 3275660.26 | 1331975.90 | 40.2404590 | -104.5125367 | 0.55 | |
| 14935.00 | 90.090 | 180.080 | 6736.60 | 7586.00 | -7549.71 | 762.80 | 3275659.77 | 1331880.90 | 40.2401983 | -104.5125422 | 0.46 | |
| 15029.00 | 90.180 | 179.730 | 6736.38 | 7679.73 | -7643.71 | 762.96 | 3275659.93 | 1331786.91 | 40.2399402 | -104.5125454 | 0.38 | |
| 15124.00 | 90.490 | 179.840 | 6735.83 | 7774.47 | -7738.71 | 763.32 | 3275660.28 | 1331691.92 | 40.2396795 | -104.5125480 | 0.35 | |
| 15218.00 | 90.400 | 179.360 | 6735.10 | 7868.24 | -7832.71 | 763.97 | 3275660.94 | 1331597.93 | 40.2394215 | -104.5125494 | 0.52 | |
| 15313.00 | 90.030 | 179.890 | 6734.74 | 7963.01 | -7927.70 | 764.60 | 3275661.56 | 1331502.93 | 40.2391607 | -104.5125509 | 0.68 | |
| 15407.00 | 90.220 | 179.970 | 6734.53 | 8056.74 | -8021.70 | 764.71 | 3275661.68 | 1331408.94 | 40.2389027 | -104.5125543 | 0.22 | |
| 15502.00 | 90.430 | 179.940 | 6734.00 | 8151.46 | -8116.70 | 764.78 | 3275661.75 | 1331313.94 | 40.2386419 | -104.5125578 | 0.22 | |
| 15596.00 | 90.490 | 179.270 | 6733.24 | 8245.23 | -8210.69 | 765.43 | 3275662.40 | 1331219.95 | 40.2383839 | -104.5125592 | 0.72 | |
| 15691.00 | 89.910 | 179.190 | 6732.91 | 8340.04 | -8305.68 | 766.71 | 3275663.68 | 1331124.97 | 40.2381231 | -104.5125584 | 0.62 | |
| 15785.00 | 90.030 | 179.140 | 6732.96 | 8433.85 | -8399.67 | 768.08 | 3275665.04 | 1331030.98 | 40.2378651 | -104.5125573 | 0.14 | |
| 15880.00 | 89.850 | 179.070 | 6733.06 | 8528.67 | -8494.66 | 769.56 | 3275666.53 | 1330936.00 | 40.2376043 | -104.5125557 | 0.20 | |
| 15974.00 | 89.970 | 179.320 | 6733.21 | 8622.49 | -8588.65 | 770.88 | 3275667.85 | 1330842.01 | 40.2373463 | -104.5125548 | 0.30 | |
| 16069.00 | 89.690 | 179.300 | 6733.49 | 8717.29 | -8683.65 | 772.03 | 3275668.99 | 1330747.02 | 40.2370855 | -104.5125544 | 0.30 | |
| 16163.00 | 89.570 | 178.550 | 6734.09 | 8811.13 | -8777.63 | 773.79 | 3275670.76 | 1330653.05 | 40.2368275 | -104.5125519 | 0.81 | |
| 16258.00 | 89.690 | 179.000 | 6734.71 | 8905.98 | -8872.60 | 775.82 | 3275672.79 | 1330558.07 | 40.2365668 | -104.5125484 | 0.49 | |
| 16352.00 | 89.720 | 178.990 | 6735.19 | 8999.81 | -8966.59 | 777.47 | 3275674.44 | 1330464.09 | 40.2363088 | -104.5125462 | 0.03 | |
| 16446.00 | 89.850 | 180.990 | 6735.55 | 9093.53 | -9060.58 | 777.49 | 3275674.45 | 1330370.10 | 40.2360508 | -104.5125499 | 2.13 | |
| 16541.00 | 89.940 | 181.070 | 6735.72 | 9188.10 | -9155.57 | 775.78 | 3275672.74 | 1330275.12 | 40.2357901 | -104.5125598 | 0.13 | |
| 16636.00 | 89.850 | 179.870 | 6735.89 | 9282.76 | -9250.56 | 775.00 | 3275671.97 | 1330180.13 | 40.2355294 | -104.5125664 | 1.27 | |
| 16730.00 | 90.060 | 179.760 | 6735.97 | 9376.50 | -9344.56 | 775.30 | 3275672.27 | 1330086.14 | 40.2352714 | -104.5125691 | 0.25 | |
| 16825.00 | 89.970 | 179.480 | 6735.94 | 9471.27 | -9439.56 | 775.93 | 3275672.90 | 1329991.14 | 40.2350106 | -104.5125706 | 0.31 | |
| 16919.00 | 89.690 | 179.450 | 6736.22 | 9565.06 | -9533.55 | 776.81 | 3275673.78 | 1329897.15 | 40.2347526 | -104.5125712 | 0.30 | |
| 17014.00 | 89.750 | 179.400 | 6736.69 | 9659.84 | -9628.55 | 777.76 | 3275674.73 | 1329802.16 | 40.2344918 | -104.5125716 | 0.08 | |
| 17108.00 | 90.000 | 179.300 | 6736.89 | 9753.64 | -9722.54 | 778.83 | 3275675.80 | 1329708.17 | 40.2342338 | -104.5125715 | 0.29 | |
| 17203.00 | 89.910 | 179.600 | 6736.97 | 9848.42 | -9817.54 | 779.74 | 3275676.71 | 1329613.18 | 40.2339730 | -104.5125720 | 0.33 | |

| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | NOBLE ENERGY, INC | Well | BOOTH D11-725 |
| Field | WELD COUNTY (NOBLE NAD 83 GRID) | API | 0512348921 |
| Facility | SEC.02-T03N-R64W | Wellbore | BOOTH D11-725 AWB |
| Slot | SLOT#09 BOOTH D11-725 (292'FNL & 1715'FEL,SEC.02) | | |

**WELLPATH DATA (183 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17297.00 | 89.880 | 179.030 | 6737.14 | 9942.23 | -9911.53 | 780.87 | 3275677.83 | 1329519.19 | 40.2337150 | -104.5125718 | 0.61 | |
| 17487.00 | 89.720 | 178.570 | 6737.80 | 10131.93 | -10101.49 | 784.85 | 3275681.81 | 1329329.25 | 40.2331935 | -104.5125651 | 0.26 | LAST BH MWD SURVEY |
| 17517.00‡ | 89.720 | 178.570 | 6737.95 | 10161.89 | -10131.48 | 785.59 | 3275682.56 | 1329299.26 | 40.2331111 | -104.5125636 | 0.00 | PROJECTION TO BIT |

**HOLE & CASING SECTIONS - Ref Wellbore: BOOTH D11-725 AWB Ref Wellpath: BOOTH D11-725 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 | 1941.00 | 1911.00 | 30.00 | 1940.93 | -0.02 | 0.02 | 7.54 | -0.52 |

**TARGETS**

| Name | TVD [ft] | North [ft] | East [ft] | Grid East [US ft] | Grid North [US ft] | Latitude | Longitude | Shape |
|---|---|---|---|---|---|---|---|---|
| SEC.02-T03N-R64W | 23.00 | -41.67 | -1097.00 | 3273800.05 | 1339388.61 | 40.2608630 | -104.5189060 | polygon |
| | 2D Polygon: dimensions not calculated | | | | | | | |
| SEC.11-T03N-R64W | 23.00 | -41.67 | -1097.00 | 3273800.05 | 1339388.61 | 40.2608630 | -104.5189060 | polygon |
| | 2D Polygon: dimensions not calculated | | | | | | | |
| BOOTH D11-725 BHL REV-1 (200'FSL & 1001'FEL,SEC.11) | 6734.00 | -10132.49 | 780.33 | 3275677.29 | 1329298.25 | **40.2331085** | **-104.5125825** | point |
| | | | | | | | | |
| BOOTH D11-725 TPZ REV-1 (200'FNL & 952'FEL,SEC.02) | 6734.00 | 99.10 | 763.41 | 3275660.38 | 1339529.37 | **40.2611927** | **-104.5122349** | point |
| | | | | | | | | |

**WELLPATH COMPOSITION - Ref Wellbore: BOOTH D11-725 AWB Ref Wellpath: BOOTH D11-725 AWP**

| Start MD [ft] | End MD [ft] | Positional Uncertainty Model | Log Name/Comment | Wellbore | Survey Date |
|---|---|---|---|---|---|
| 0.00 | 1933.00 | Gyrodata 2015 - GC+DROP+COND | Gyrodata 2015 - GC+DROP+COND 13-1/2" <80 - 1933> | BOOTH D11-725 AWB | 12/17/2021 |
| 1933.00 | 17517.00 | OWSG MWD rev2 (MS+IFR1) | OWSG MWD rev2 (MS+IFR1) 8-1/2" <1989 - 17487> | BOOTH D11-725 AWB | 12/22/2021 |

# Actual Wellpath Report

**BOOTH D11-725 AWP**



| REFERENCE WELLPATH IDENTIFICATION | | | |
|---|---|---|---|
| Operator | **NOBLE ENERGY, INC** | Well | **BOOTH D11-725** |
| Field | **WELD COUNTY (NOBLE NAD 83 GRID)** | API | **0512348921** |
| Facility | **SEC.02-T03N-R64W** | Wellbore | **BOOTH D11-725 AWB** |
| Slot | **SLOT#09 BOOTH D11-725 (292'FNL & 1715'FEL,SEC.02)** | | |

**WELLPATH COMMENTS**

| MD [ft] | Inclination [°] | Azimuth [°] | TVD [ft] | Comment |
|---|---|---|---|---|
| 80.00 | 0.260 | 140.710 | 80.00 | FIRST GYRODATA SURVEY |
| 1933.00 | 0.770 | 310.490 | 1932.93 | LAST GYRODATA SURVEY |
| 1989.00 | 0.470 | 253.000 | 1988.93 | FIRST BH MWD SURVEY |
| 17487.00 | 89.720 | 178.570 | 6737.80 | LAST BH MWD SURVEY |
| 17517.00 | 89.720 | 178.570 | 6737.95 | PROJECTION TO BIT |