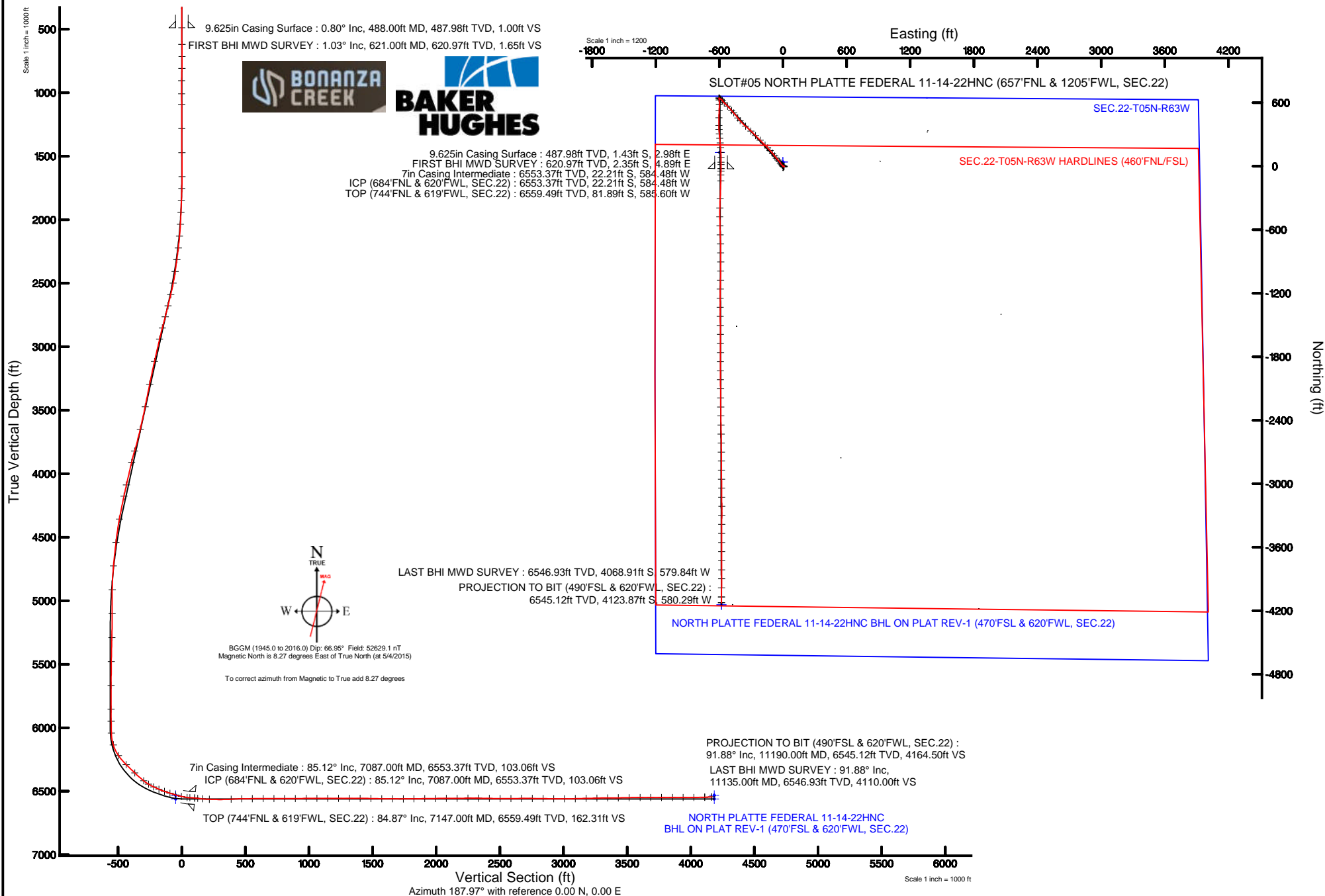


# BONANZA CREEK OIL COMPANY

Location: COLORADO Slot: SLOT#05 NORTH PLATTE FEDERAL 11-14-22HNC (657'FNL & 1205'FWL, SEC.22)  
Field: WELD COUNTY Well: NORTH PLATTE FEDERAL 11-14-22HNC  
Facility: SEC.22-T5N-R63W Wellbore: NORTH PLATTE FEDERAL 11-14-22HNC PWB

Plot reference wellpath is NORTH PLATTE FEDERAL 11-14-22HNC PWP (REV-B.0)

|   |  |
|---|--|
| True vertical depths are referenced to XTREME 22 (17KB) (RKB)   | Grid System: NAD83 / Lambert Colorado SP, Northern Zone (501), US feet |
| Measured depths are referenced to XTREME 22 (17KB) (RKB)  | North Reference: True north  |
| XTREME 22 (17KB) (RKB) to Mean Sea Level: 4674 feet   | Scale: True distance   |
| Mean Sea Level to Mud line (At Slot: SLOT#05 NORTH PLATTE FEDERAL 11-14-22HNC (657'FNL & 1205'FWL, SEC.22)): 0 feet | Depths are in feet   |
| Coordinates are in feet referenced to Slot  | Created by: ingmjamm on 6/16/2015                                      |





# Actual Wellpath Report

NORTH PLATTE FEDERAL 11-14-22HNC AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                           |          |   |
|----------|---------------------------|----------|---|
| Operator | BONANZA CREEK OIL COMPANY | Slot     | SLOT#05 NORTH PLATTE FEDERAL 11-14-22HNC (657'FNL & 1205'FWL, SEC.22) |
| Area     | COLORADO                  | Well     | NORTH PLATTE FEDERAL 11-14-22HNC                                      |
| Field    | WELD COUNTY               | Wellbore | NORTH PLATTE FEDERAL 11-14-22HNC AWB                                  |
| Facility | SEC.22-T5N-R63W           |          |   |

## REPORT SETUP INFORMATION

|                     |   |                      |   |
|---------------------|---|----------------------|---|
| Projection System   | NAD83 / Lambert Colorado SP, Northern Zone (501), US feet | Software System      | WellArchitect® 4.1.1                            |
| North Reference     | True  | User                 | Ingmjmr   |
| Scale               | 0.99996   | Report Generated     | 6/16/2015 at 2:22:51 PM                         |
| Convergence at slot | 0.69° East  | Database/Source file | Denver/NORTH_PLATTE_FEDERAL_11-14-22HNC_AWB.xml |

## WELLPATH LOCATION

|                       | Local coordinates |          | Grid coordinates |                 | Geographic coordinates |                 |
|-----------------------|-------------------|----------|------------------|-----------------|------------------------|-----------------|
|                       | North[ft]         | East[ft] | Easting[US ft]   | Northing[US ft] | Latitude               | Longitude       |
| Slot Location         | -334.72           | -1370.79 | 3298927.32       | 1386850.18      | 40°23'25.224"N         | 104°25'36.548"W |
| Facility Reference Pt |                   |          | 3300293.87       | 1387201.53      | 40°23'28.532"N         | 104°25'18.833"W |
| Field Reference Pt    |                   |          | 3335925.10       | 1457282.25      | 40°34'56.460"N         | 104°17'26.016"W |

## WELLPATH DATUM

|                          |                         |   |                   |
|--------------------------|-------------------------|---|-------------------|
| Calculation method       | Minimum curvature       | XTREME 22 (17'KB) (RKB) to Facility Vertical Datum  | 4674.00ft         |
| Horizontal Reference Pt  | Slot                    | XTREME 22 (17'KB) (RKB) to Mean Sea Level   | 4674.00ft         |
| Vertical Reference Pt    | XTREME 22 (17'KB) (RKB) | XTREME 22 (17'KB) (RKB) to Mud Line at Slot (SLOT#05 NORTH PLATTE FEDERAL 11-14-22HNC (657'FNL & 1205'FWL, SEC.22)) | 4674.00ft         |
| MD Reference Pt          | XTREME 22 (17'KB) (RKB) | Section Origin  | N 0.00, E 0.00 ft |
| Field Vertical Reference | Mean Sea Level          | Section Azimuth   | 187.97°           |



# Actual Wellpath Report

## NORTH PLATTE FEDERAL 11-14-22HNC AWP

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### REFERENCE WELLPATH IDENTIFICATION

|          |                           |          |   |
|----------|---------------------------|----------|---|
| Operator | BONANZA CREEK OIL COMPANY | Slot     | SLOT#05 NORTH PLATTE FEDERAL 11-14-22HNC (657'FNL & 1205'FWL, SEC.22) |
| Area     | COLORADO                  | Well     | NORTH PLATTE FEDERAL 11-14-22HNC                                      |
| Field    | WELD COUNTY               | Wellbore | NORTH PLATTE FEDERAL 11-14-22HNC AWB                                  |
| Facility | SEC.22-T5N-R63W           |          |   |

### WELLPATH DATA (108 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | DLS<br>[°/100ft] | Comments             |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|----------------------|
| 0.00†      | 0.000              | 115.630        | 0.00        | 0.00              | 0.00          | 0.00         | 0.00             |                      |
| 17.00      | 0.000              | 115.630        | 17.00       | 0.00              | 0.00          | 0.00         | 0.00             |                      |
| 621.00     | 1.030              | 115.630        | 620.97      | 1.65              | -2.35         | 4.89         | 0.17             | FIRST BHI MWD SURVEY |
| 715.00     | 1.240              | 123.290        | 714.95      | 2.34              | -3.27         | 6.51         | 0.28             |                      |
| 809.00     | 1.950              | 60.640         | 808.92      | 1.80              | -3.05         | 8.75         | 1.88             |                      |
| 905.00     | 1.650              | 355.600        | 904.88      | -0.54             | -0.87         | 10.07        | 2.03             |                      |
| 1009.00    | 1.520              | 222.480        | 1008.86     | -0.86             | -0.39         | 9.02         | 2.80             |                      |
| 1093.00    | 0.180              | 134.840        | 1092.85     | 0.13              | -1.31         | 8.36         | 1.81             |                      |
| 1282.00    | 0.380              | 127.460        | 1281.85     | 0.62              | -1.90         | 9.07         | 0.11             |                      |
| 1472.00    | 0.310              | 175.790        | 1471.85     | 1.43              | -2.79         | 9.61         | 0.15             |                      |
| 1660.00    | 0.150              | 140.050        | 1659.85     | 2.09              | -3.49         | 9.80         | 0.11             |                      |
| 1754.00    | 2.040              | 318.600        | 1753.83     | 1.09              | -2.33         | 8.78         | 2.33             |                      |
| 1848.00    | 4.970              | 308.100        | 1847.64     | -2.05             | 1.44          | 4.47         | 3.18             |                      |
| 1943.00    | 4.920              | 301.780        | 1942.29     | -5.76             | 6.13          | -2.24        | 0.58             |                      |
| 2037.00    | 6.010              | 313.020        | 2035.86     | -10.21            | 11.61         | -9.26        | 1.62             |                      |
| 2131.00    | 6.910              | 323.810        | 2129.27     | -17.09            | 19.53         | -16.20       | 1.60             |                      |
| 2225.00    | 9.610              | 321.810        | 2222.28     | -26.59            | 30.26         | -24.39       | 2.89             |                      |
| 2319.00    | 11.120             | 321.210        | 2314.75     | -38.23            | 43.49         | -34.92       | 1.61             |                      |
| 2414.00    | 12.750             | 319.660        | 2407.69     | -51.48            | 58.63         | -47.45       | 1.75             |                      |
| 2508.00    | 15.690             | 320.640        | 2498.80     | -66.99            | 76.36         | -62.22       | 3.14             |                      |
| 2603.00    | 18.840             | 323.150        | 2589.51     | -86.59            | 98.57         | -79.57       | 3.41             |                      |
| 2696.00    | 20.600             | 318.450        | 2677.06     | -107.86           | 122.84        | -99.43       | 2.55             |                      |
| 2790.00    | 21.470             | 317.980        | 2764.79     | -129.66           | 147.99        | -121.92      | 0.94             |                      |
| 2884.00    | 22.080             | 317.780        | 2852.09     | -152.03           | 173.86        | -145.31      | 0.65             |                      |
| 2978.00    | 20.870             | 315.400        | 2939.56     | -173.51           | 198.87        | -168.94      | 1.59             |                      |
| 3167.00    | 20.260             | 315.230        | 3116.52     | -213.79           | 246.07        | -215.62      | 0.32             |                      |
| 3355.00    | 18.360             | 315.440        | 3293.93     | -251.51           | 290.28        | -259.32      | 1.01             |                      |
| 3544.00    | 18.950             | 313.940        | 3473.00     | -287.64           | 332.78        | -302.31      | 0.40             |                      |
| 3733.00    | 23.300             | 310.470        | 3649.27     | -325.77           | 378.36        | -352.87      | 2.39             |                      |
| 3921.00    | 22.900             | 320.440        | 3822.26     | -370.46           | 430.71        | -404.47      | 2.09             |                      |



# Actual Wellpath Report

## NORTH PLATTE FEDERAL 11-14-22HNC AWP

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### REFERENCE WELLPATH IDENTIFICATION

|          |                           |          |   |
|----------|---------------------------|----------|---|
| Operator | BONANZA CREEK OIL COMPANY | Slot     | SLOT#05 NORTH PLATTE FEDERAL 11-14-22HNC (657'FNL & 1205'FWL, SEC.22) |
| Area     | COLORADO                  | Well     | NORTH PLATTE FEDERAL 11-14-22HNC                                      |
| Field    | WELD COUNTY               | Wellbore | NORTH PLATTE FEDERAL 11-14-22HNC AWB                                  |
| Facility | SEC.22-T5N-R63W           |          |   |

### WELLPATH DATA (108 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | DLS<br>[°/100ft] | Comments                        |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|---------------------------------|
| 4015.00    | 19.400             | 320.960        | 3909.91     | -393.46           | 456.95        | -425.96      | 3.73             |                                 |
| 4204.00    | 18.420             | 319.300        | 4088.71     | -434.58           | 503.97        | -465.20      | 0.59             |                                 |
| 4297.00    | 18.150             | 318.590        | 4177.02     | -453.71           | 525.97        | -484.36      | 0.38             |                                 |
| 4486.00    | 16.540             | 316.220        | 4357.42     | -489.54           | 567.48        | -522.45      | 0.93             |                                 |
| 4674.00    | 11.000             | 314.010        | 4539.94     | -516.68           | 599.28        | -553.89      | 2.96             |                                 |
| 4862.00    | 6.820              | 331.430        | 4725.67     | -536.21           | 621.56        | -572.14      | 2.62             |                                 |
| 5051.00    | 2.730              | 289.040        | 4914.02     | -546.09           | 632.89        | -581.77      | 2.72             |                                 |
| 5240.00    | 2.130              | 272.140        | 5102.85     | -546.60           | 634.49        | -589.53      | 0.49             |                                 |
| 5427.00    | 2.770              | 315.510        | 5289.69     | -549.00           | 637.85        | -596.17      | 1.02             |                                 |
| 5616.00    | 0.860              | 342.230        | 5478.59     | -553.06           | 642.46        | -599.81      | 1.08             |                                 |
| 5804.00    | 0.640              | 307.210        | 5666.58     | -554.85           | 644.43        | -601.07      | 0.26             |                                 |
| 5992.00    | 0.530              | 246.060        | 5854.57     | -554.90           | 644.72        | -602.70      | 0.32             |                                 |
| 6086.00    | 0.530              | 212.560        | 5948.56     | -554.27           | 644.17        | -603.34      | 0.32             |                                 |
| 6180.00    | 1.890              | 165.990        | 6042.54     | -552.44           | 642.30        | -603.19      | 1.67             |                                 |
| 6274.00    | 16.910             | 175.500        | 6135.02     | -537.57           | 627.08        | -601.74      | 16.01            |                                 |
| 6368.00    | 35.560             | 179.870        | 6218.97     | -496.80           | 585.75        | -600.59      | 19.93            |                                 |
| 6462.00    | 45.480             | 182.170        | 6290.34     | -436.24           | 524.78        | -601.80      | 10.67            |                                 |
| 6556.00    | 46.330             | 181.410        | 6355.75     | -369.13           | 457.30        | -603.91      | 1.07             |                                 |
| 6650.00    | 50.910             | 179.390        | 6417.88     | -299.24           | 386.80        | -604.36      | 5.13             |                                 |
| 6697.00    | 59.510             | 177.630        | 6444.67     | -261.21           | 348.25        | -603.32      | 18.55            |                                 |
| 6744.00    | 66.250             | 174.420        | 6466.09     | -220.32           | 306.55        | -600.39      | 15.57            |                                 |
| 6791.00    | 67.090             | 173.890        | 6484.70     | -178.42           | 263.62        | -596.00      | 2.07             |                                 |
| 6838.00    | 71.810             | 175.870        | 6501.19     | -135.56           | 219.80        | -592.08      | 10.79            |                                 |
| 6885.00    | 72.490             | 176.120        | 6515.60     | -91.80            | 175.17        | -588.96      | 1.53             |                                 |
| 6932.00    | 73.730             | 176.880        | 6529.26     | -47.73            | 130.28        | -586.21      | 3.06             |                                 |
| 6979.00    | 76.550             | 178.560        | 6541.31     | -3.03             | 84.90         | -584.41      | 6.92             |                                 |
| 7026.00    | 83.420             | 180.230        | 6549.48     | 42.71             | 38.65         | -583.93      | 15.03            |                                 |
| 7048.00    | 88.180             | 180.410        | 6551.09     | 64.45             | 16.71         | -584.05      | 21.65            |                                 |
| 7087.00†   | 85.123             | 180.849        | 6553.37     | 103.06            | -22.21        | -584.48      | 7.92             | ICP (684'FNL & 620'FWL, SEC.22) |
| 7110.00    | 83.320             | 181.110        | 6555.68     | 125.77            | -45.09        | -584.87      | 7.92             |                                 |



# Actual Wellpath Report

NORTH PLATTE FEDERAL 11-14-22HNC AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                           |          |   |
|----------|---------------------------|----------|---|
| Operator | BONANZA CREEK OIL COMPANY | Slot     | SLOT#05 NORTH PLATTE FEDERAL 11-14-22HNC (657'FNL & 1205'FWL, SEC.22) |
| Area     | COLORADO                  | Well     | NORTH PLATTE FEDERAL 11-14-22HNC                                      |
| Field    | WELD COUNTY               | Wellbore | NORTH PLATTE FEDERAL 11-14-22HNC AWB                                  |
| Facility | SEC.22-T5N-R63W           |          |   |

## WELLPATH DATA (108 stations) † = interpolated/extrapolated station

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | DLS<br>[°/100ft] | Comments                        |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|---------------------------------|
| 7147.00†   | 84.872             | 181.150        | 6559.49     | 162.31            | -81.89        | -585.60      | 4.19             | TOP (744'FNL & 619'FWL, SEC.22) |
| 7203.00    | 87.220             | 181.210        | 6563.35     | 217.78            | -137.74       | -586.75      | 4.19             |                                 |
| 7374.00    | 93.140             | 182.640        | 6562.81     | 387.75            | -308.56       | -592.49      | 3.56             |                                 |
| 7459.00    | 91.410             | 180.800        | 6559.44     | 472.17            | -393.45       | -595.03      | 2.97             |                                 |
| 7543.00    | 90.000             | 179.730        | 6558.41     | 555.40            | -477.44       | -595.42      | 2.11             |                                 |
| 7628.00    | 90.990             | 178.370        | 6557.67     | 639.37            | -562.42       | -594.01      | 1.98             |                                 |
| 7714.00    | 89.630             | 178.330        | 6557.21     | 724.15            | -648.38       | -591.54      | 1.58             |                                 |
| 7799.00    | 89.630             | 178.170        | 6557.75     | 807.93            | -733.34       | -588.94      | 0.19             |                                 |
| 7885.00    | 90.650             | 180.000        | 6557.54     | 892.89            | -819.32       | -587.57      | 2.44             |                                 |
| 7971.00    | 90.960             | 179.600        | 6556.34     | 978.01            | -905.31       | -587.27      | 0.59             |                                 |
| 8056.00    | 90.150             | 181.070        | 6555.51     | 1062.25           | -990.31       | -587.77      | 1.97             |                                 |
| 8142.00    | 89.290             | 181.130        | 6555.93     | 1147.63           | -1076.29      | -589.42      | 1.00             |                                 |
| 8227.00    | 90.120             | 181.350        | 6556.37     | 1232.04           | -1161.27      | -591.26      | 1.01             |                                 |
| 8313.00    | 89.930             | 179.940        | 6556.33     | 1317.34           | -1247.26      | -592.22      | 1.65             |                                 |
| 8399.00    | 90.310             | 179.740        | 6556.15     | 1402.47           | -1333.26      | -591.98      | 0.50             |                                 |
| 8484.00    | 88.520             | 179.670        | 6557.02     | 1486.58           | -1418.25      | -591.55      | 2.11             |                                 |
| 8570.00    | 89.090             | 179.530        | 6558.81     | 1571.65           | -1504.23      | -590.95      | 0.68             |                                 |
| 8655.00    | 89.440             | 179.330        | 6559.91     | 1655.70           | -1589.22      | -590.10      | 0.47             |                                 |
| 8741.00    | 90.300             | 179.920        | 6560.10     | 1740.79           | -1675.21      | -589.54      | 1.21             |                                 |
| 8826.00    | 90.950             | 179.850        | 6559.17     | 1824.93           | -1760.21      | -589.37      | 0.77             |                                 |
| 8912.00    | 90.300             | 180.270        | 6558.23     | 1910.11           | -1846.20      | -589.46      | 0.90             |                                 |
| 8998.00    | 91.230             | 180.140        | 6557.09     | 1995.31           | -1932.19      | -589.76      | 1.09             |                                 |
| 9083.00    | 89.930             | 179.570        | 6556.23     | 2079.46           | -2017.19      | -589.55      | 1.67             |                                 |
| 9169.00    | 90.520             | 179.630        | 6555.89     | 2164.54           | -2103.18      | -588.95      | 0.69             |                                 |
| 9255.00    | 90.830             | 179.440        | 6554.88     | 2249.60           | -2189.17      | -588.25      | 0.42             |                                 |
| 9340.00    | 88.950             | 179.170        | 6555.04     | 2333.63           | -2274.16      | -587.22      | 2.23             |                                 |
| 9425.00    | 89.160             | 179.250        | 6556.44     | 2417.62           | -2359.14      | -586.05      | 0.26             |                                 |
| 9510.00    | 89.410             | 178.900        | 6557.50     | 2501.59           | -2444.13      | -584.68      | 0.51             |                                 |
| 9596.00    | 90.430             | 179.040        | 6557.62     | 2586.53           | -2530.11      | -583.13      | 1.20             |                                 |
| 9681.00    | 90.860             | 179.230        | 6556.66     | 2670.52           | -2615.10      | -581.85      | 0.55             |                                 |



# Actual Wellpath Report

## NORTH PLATTE FEDERAL 11-14-22HNC AWP

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### REFERENCE WELLPATH IDENTIFICATION

|          |                           |          |   |
|----------|---------------------------|----------|---|
| Operator | BONANZA CREEK OIL COMPANY | Slot     | SLOT#05 NORTH PLATTE FEDERAL 11-14-22HNC (657'FNL & 1205'FWL, SEC.22) |
| Area     | COLORADO                  | Well     | NORTH PLATTE FEDERAL 11-14-22HNC                                      |
| Field    | WELD COUNTY               | Wellbore | NORTH PLATTE FEDERAL 11-14-22HNC AWB                                  |
| Facility | SEC.22-T5N-R63W           |          |   |

### WELLPATH DATA (108 stations)

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Vert Sect<br>[ft] | North<br>[ft] | East<br>[ft] | DLS<br>[°/100ft] | Comments                                      |
|------------|--------------------|----------------|-------------|-------------------|---------------|--------------|------------------|---|
| 9767.00    | 89.010             | 179.770        | 6556.76     | 2755.58           | -2701.09      | -581.10      | 2.24             |   |
| 9852.00    | 89.260             | 179.600        | 6558.05     | 2839.68           | -2786.08      | -580.63      | 0.36             |   |
| 9937.00    | 89.440             | 179.570        | 6559.01     | 2923.76           | -2871.07      | -580.01      | 0.21             |   |
| 10023.00   | 90.180             | 179.370        | 6559.29     | 3008.82           | -2957.06      | -579.22      | 0.89             |   |
| 10108.00   | 91.070             | 179.370        | 6558.37     | 3092.86           | -3042.05      | -578.28      | 1.05             |   |
| 10194.00   | 91.600             | 179.600        | 6556.36     | 3177.89           | -3128.03      | -577.51      | 0.67             |   |
| 10279.00   | 91.350             | 179.480        | 6554.18     | 3261.94           | -3213.00      | -576.83      | 0.33             |   |
| 10365.00   | 90.430             | 180.620        | 6552.84     | 3347.11           | -3298.98      | -576.90      | 1.70             |   |
| 10450.00   | 90.650             | 180.030        | 6552.04     | 3431.35           | -3383.98      | -577.39      | 0.74             |   |
| 10536.00   | 91.410             | 180.430        | 6550.49     | 3516.55           | -3469.96      | -577.73      | 1.00             |   |
| 10622.00   | 89.840             | 180.160        | 6549.55     | 3601.77           | -3555.95      | -578.17      | 1.85             |   |
| 10707.00   | 89.870             | 179.990        | 6549.77     | 3685.97           | -3640.95      | -578.29      | 0.20             |   |
| 10793.00   | 90.980             | 180.260        | 6549.13     | 3771.16           | -3726.95      | -578.47      | 1.33             |   |
| 10879.00   | 89.260             | 180.120        | 6548.95     | 3856.36           | -3812.94      | -578.76      | 2.01             |   |
| 10964.00   | 89.780             | 179.970        | 6549.66     | 3940.55           | -3897.94      | -578.83      | 0.64             |   |
| 11050.00   | 91.010             | 180.460        | 6549.07     | 4025.76           | -3983.94      | -579.15      | 1.54             |   |
| 11135.00   | 91.880             | 180.470        | 6546.93     | 4110.00           | -4068.91      | -579.84      | 1.02             | LAST BHI MWD SURVEY                           |
| 11190.00   | 91.880             | 180.470        | 6545.12     | 4164.50           | -4123.87      | -580.29      | 0.00             | PROJECTION TO BIT (490'FSL & 620'FWL, SEC.22) |

### HOLE & CASING SECTIONS -

Ref Wellbore: NORTH PLATTE FEDERAL 11-14-22HNC AWB      Ref Wellpath: NORTH PLATTE FEDERAL 11-14-22HNC AWP

| String/Diameter         | Start MD<br>[ft] | End MD<br>[ft] | Interval<br>[ft] | Start TVD<br>[ft] | End TVD<br>[ft] | Start N/S<br>[ft] | Start E/W<br>[ft] | End N/S<br>[ft] | End E/W<br>[ft] |
|-------------------------|------------------|----------------|------------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|
| 9.625in Casing Surface  | 17.00            | 488.00         | 471.00           | 17.00             | 487.98          | 0.00              | 0.00              | -1.43           | 2.98            |
| 8.75in Open Hole        | 488.00           | 7095.00        | 6607.00          | 487.98            | 6554.09         | -1.43             | 2.98              | -30.18          | -584.60         |
| 7in Casing Intermediate | 17.00            | 7087.00        | 7070.00          | 17.00             | 6553.37         | 0.00              | 0.00              | -22.21          | -584.48         |
| 6.125in Open Hole       | 7095.00          | 11190.00       | 4095.00          | 6554.09           | 6545.12         | -30.18            | -584.60           | -4123.87        | -580.29         |



# Actual Wellpath Report

## NORTH PLATTE FEDERAL 11-14-22HNC AWP

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### REFERENCE WELLPATH IDENTIFICATION

|          |                           |          |   |
|----------|---------------------------|----------|---|
| Operator | BONANZA CREEK OIL COMPANY | Slot     | SLOT#05 NORTH PLATTE FEDERAL 11-14-22HNC (657'FNL & 1205'FWL, SEC.22) |
| Area     | COLORADO                  | Well     | NORTH PLATTE FEDERAL 11-14-22HNC                                      |
| Field    | WELD COUNTY               | Wellbore | NORTH PLATTE FEDERAL 11-14-22HNC AWB                                  |
| Facility | SEC.22-T5N-R63W           |          |   |

### TARGETS

| Name  | TVD<br>[ft] | North<br>[ft] | East<br>[ft] | Grid East<br>[US ft] | Grid North<br>[US ft] | Latitude       | Longitude       | Shape   |
|---|-------------|---------------|--------------|----------------------|-----------------------|----------------|-----------------|---------|
| SEC.22-T05N-R63W  | -1.00       | 40.07         | -0.28        | 3298926.55           | 1386890.25            | 40°23'25.620"N | 104°25'36.552"W | polygon |
| NORTH PLATTE FEDERAL 11-14-22HNC BHL ON PLAT (470'FSL & 620'FWL, SEC.22)        | 6532.00     | -4144.03      | -580.34      | 3298397.19           | 1382699.61            | 40°22'44.274"N | 104°25'44.047"W | point   |
| NORTH PLATTE FEDERAL 11-14-22HNC ENTRY POINT (531'FNL & 6610'FWL, SEC.22)       | 6532.00     | 130.79        | -594.73      | 3298331.07           | 1386973.76            | 40°23'26.516"N | 104°25'44.234"W | point   |
| NORTH PLATTE FEDERAL 11-14-22HNC BHL ON PLAT REV-1 (470'FSL & 620'FWL, SEC.22)  | 6561.00     | -4144.03      | -580.33      | 3298397.20           | 1382699.61            | 40°22'44.274"N | 104°25'44.047"W | point   |
| NORTH PLATTE FEDERAL 11-14-22HNC ENTRY POINT REV-1 (531'FNL & 6610'FWL, SEC.22) | 6561.00     | 130.75        | -594.70      | 3298331.11           | 1386973.72            | 40°23'26.516"N | 104°25'44.234"W | point   |
| SEC.22-T05N-R63W HARDLINES (460'FNL/FSL)  | 6625.00     | 40.07         | -0.28        | 3298926.55           | 1386890.25            | 40°23'25.620"N | 104°25'36.552"W | polygon |

### WELLPATH COMPOSITION -

| Ref Wellbore: NORTH PLATTE FEDERAL 11-14-22HNC AWB |                |                                 |   | Ref Wellpath: NORTH PLATTE FEDERAL 11-14-22HNC AWP |                                      |
|--|----------------|---------------------------------|---|--|--------------------------------------|
| Start MD<br>[ft]                                   | End MD<br>[ft] | Positional<br>Uncertainty Model | Log Name/Comment                                    |  | Wellbore                             |
| 17.00  | 7048.00        | NaviTrak (MagCorr)              | BHI MWD/NAVITRAK (MAGCORR) 8.75" HOLE <621-7048>    |  | NORTH PLATTE FEDERAL 11-14-22HNC AWB |
| 7048.00  | 11135.00       | NaviTrak (MagCorr)              | BHI MWD/NAVITRAK (MAGCORR) 6.125" HOLE <7110-11135> |  | NORTH PLATTE FEDERAL 11-14-22HNC AWB |
| 11135.00   | 11190.00       | Blind Drilling (std)            | Projection to bit                                   |  | NORTH PLATTE FEDERAL 11-14-22HNC AWB |



# Actual Wellpath Report

NORTH PLATTE FEDERAL 11-14-22HNC AWP

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## REFERENCE WELLPATH IDENTIFICATION

|          |                           |          |   |
|----------|---------------------------|----------|---|
| Operator | BONANZA CREEK OIL COMPANY | Slot     | SLOT#05 NORTH PLATTE FEDERAL 11-14-22HNC (657'FNL & 1205'FWL, SEC.22) |
| Area     | COLORADO                  | Well     | NORTH PLATTE FEDERAL 11-14-22HNC                                      |
| Field    | WELD COUNTY               | Wellbore | NORTH PLATTE FEDERAL 11-14-22HNC AWB                                  |
| Facility | SEC.22-T5N-R63W           |          |   |

## WELLPATH COMMENTS

| MD<br>[ft] | Inclination<br>[°] | Azimuth<br>[°] | TVD<br>[ft] | Comment                                       |
|------------|--------------------|----------------|-------------|---|
| 621.00     | 1.030              | 115.630        | 620.97      | FIRST BHI MWD SURVEY                          |
| 7087.00    | 85.123             | 180.849        | 6553.37     | ICP (684'FNL & 620'FWL, SEC.22)               |
| 7147.00    | 84.872             | 181.150        | 6559.49     | TOP (744'FNL & 619'FWL, SEC.22)               |
| 11135.00   | 91.880             | 180.470        | 6546.93     | LAST BHI MWD SURVEY                           |
| 11190.00   | 91.880             | 180.470        | 6545.12     | PROJECTION TO BIT (490'FSL & 620'FWL, SEC.22) |