

District II  
811 S. First Street, Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV  
1220 S. St. Francis Drive, Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

## OIL CONSERVATION DIVISION

1220 South St. Francis Drive  
Santa Fe, NM 87505

Submit one copy to  
Appropriate District Office

☒ AMENDED REPORT

As Drilled

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                |                                           |                            |
|--------------------------------|-------------------------------------------|----------------------------|
| *API Number<br>30 - C 45-35753 | *Pool Code<br>97232                       | *Pool Name<br>BASIN MANCOS |
| *Property Code<br>321239       | *Property Name<br>KIMBETO WASH UNIT       | *Well Number<br>768H       |
| *OGRIID No.<br>372286          | *Operator Name<br>ENDURING RESOURCES, LLC | *Elevation<br>6561'        |

## 10 Surface Location

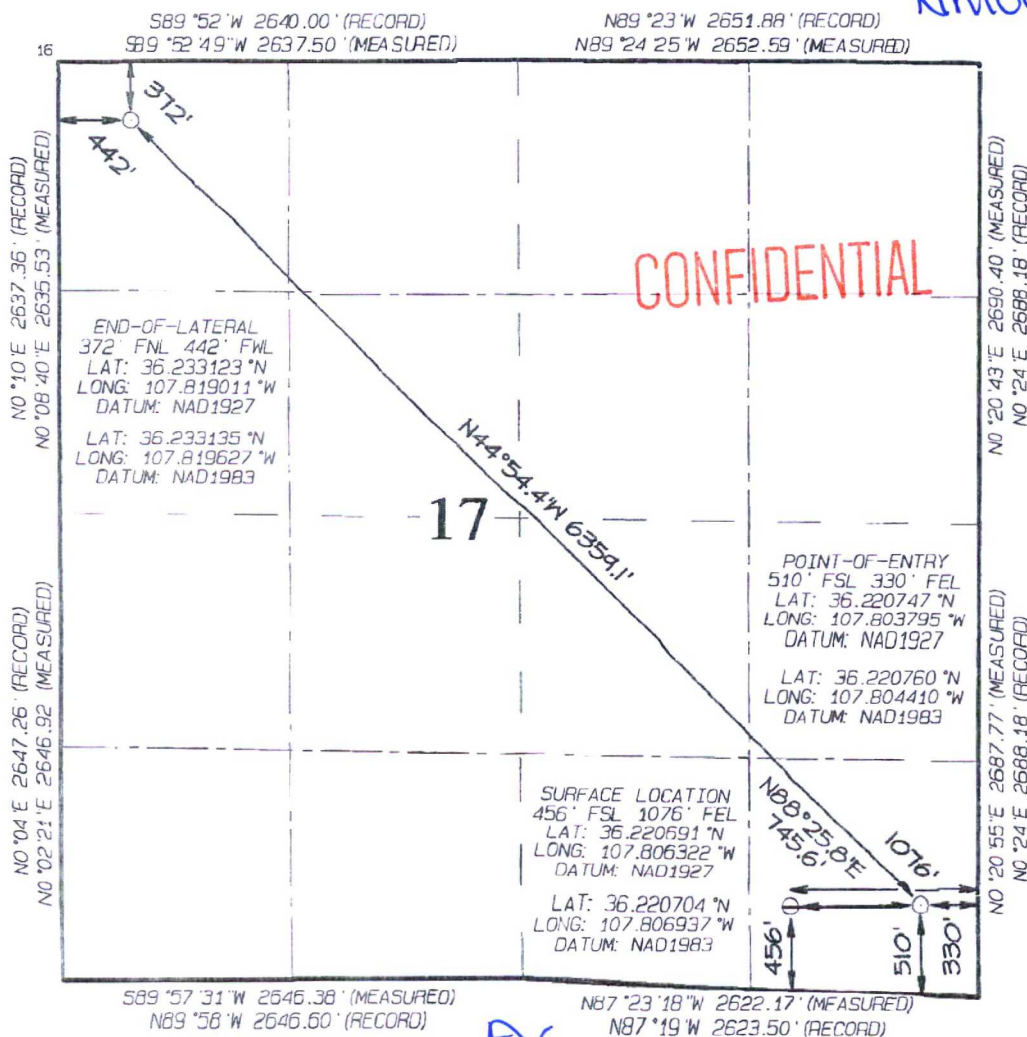
| U. or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| P             | 17      | 23N      | 9W    |         | 456           | SOUTH            | 1076          | EAST           | SAN JUAN |

<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| D             | 17      | 23N      | 9W    |         | 372           | NORTH            | 442           | WEST           | SAN JUAN |

|                               |                                   |                               |                                  |                                    |
|-------------------------------|-----------------------------------|-------------------------------|----------------------------------|------------------------------------|
| <sup>12</sup> Dedicated Acres | 640.00 Acres<br>Entire Section 17 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No.<br>R-14084 |
|-------------------------------|-----------------------------------|-------------------------------|----------------------------------|------------------------------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



## 17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to an operating contract, lease, agreement, or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature \_\_\_\_\_  
Lacey Granillo

Printed Name

lgrani110@enduringresources.com

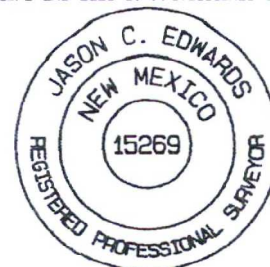
E-mail Address

<sup>18</sup> SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: DECEMBER 17, 2018  
Survey Date: DECEMBER 3, 2015

Signature and Seal of Professional Surveyor



JASON C. EDWARDS  
Certificate Number 15269



Well: KWU Well No. 768H  
Site: Kimbeto Wash Unit  
Project: San Juan County, New Mexico NAD83 NM W  
Design: Surveys Original Hole  
Rig: Aztec 1000

#### ANNOTATIONS SURVEYS

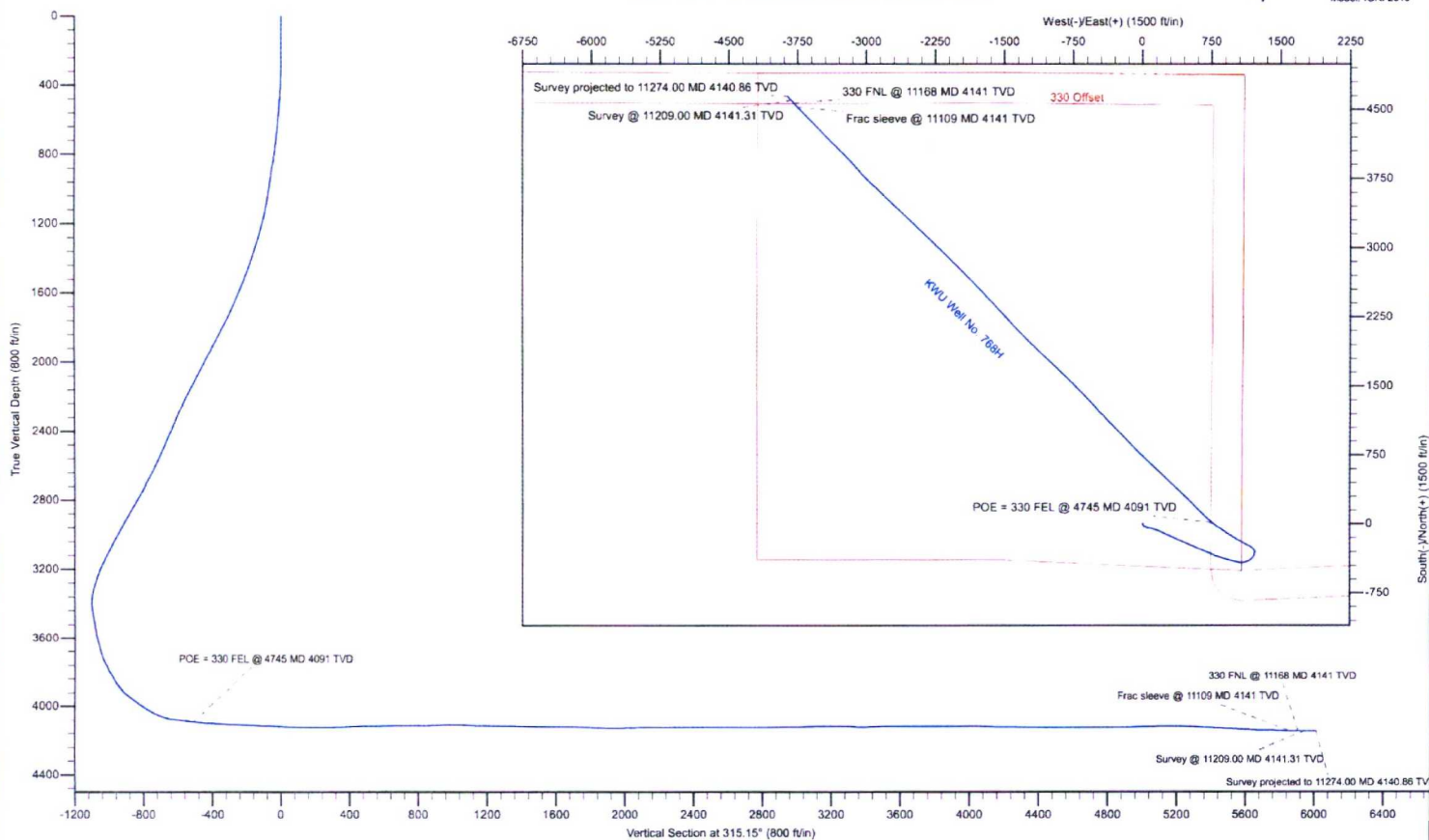
| MD       | Inc   | Azi    | TVD     | +N/-S   | +E/-W    | Vsect   | Annotation                                  |
|----------|-------|--------|---------|---------|----------|---------|---------------------------------------------|
| 325.00   | 1.14  | 205.07 | 324.98  | 12.00   | 11.90    | -1.11   | MWD surveys                                 |
| 5120.00  | 83.24 | 312.66 | 4515.55 | 845.09  | 750.30   | 67.98   | POE = 330 FEL @ 5120 MD 4516 TVD            |
| 10395.00 | 87.38 | 313.95 | 4554.41 | 4555.42 | -2990.29 | 5336.53 | Frac Sleeve @ 10395 MD 4554 TVD             |
| 10413.00 | 87.22 | 314.09 | 4555.25 | 4567.92 | -3003.22 | 5354.51 | 330 FSL @ 10413 MD 4555 TVD                 |
| 10462.00 | 86.80 | 314.49 | 4557.81 | 4602.09 | -3038.25 | 5403.44 | Survey @ 10462.00 MD 4557.81 TVD            |
| 10535.00 | 86.80 | 314.49 | 4561.88 | 4653.17 | -3090.24 | 5476.32 | Survey projected to 10535.00 MD 4561.88 TVD |

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Western Zone  
System Datum: Mean Sea Level  
Depth Reference: RKB=6561+25 @ 6586.00ft (Aztec 1000)  
Northing: 1699635.18 Easting: 2730877.56 Latitude: 36.22070400 Longitude: -107.80693700  
Total Corr (M+>G): To convert a Magnetic Direction to a Grid Direction, Add 9.08°



Azimuths to Grid North  
True North: -0.02°  
Magnetic North: 9.08°

Magnetic Field  
Strength: 49600.6nT  
Dip Angle: 62.87°  
Date: 9/15/2018  
Model: IGRF2015



CONFIDENTIAL





## Survey Report



**Company:** Enduring Resources LLC  
**Project:** San Juan County, New Mexico NAD83 NM W  
**Site:** Kimbeto Wash Unit  
**Well:** KWU Well No. 768H  
**Wellbore:** Original Hole  
**Design:** Surveys Original Hole

**Local Co-ordinate Reference:** Well KWU Well No. 768H  
**TVD Reference:** RKB=6561+25 @ 6586.00ft  
**MD Reference:** RKB=6561+25 @ 6586.00ft  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** DB\_Jul2216dt\_v14

|                    |                                        |                      |                |
|--------------------|----------------------------------------|----------------------|----------------|
| <b>Project</b>     | San Juan County, New Mexico NAD83 NM W |                      |                |
| <b>Map System:</b> | US State Plane 1983                    | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983              |                      |                |
| <b>Map Zone:</b>   | New Mexico Western Zone                |                      |                |

|                              |                   |                     |                   |                          |               |
|------------------------------|-------------------|---------------------|-------------------|--------------------------|---------------|
| <b>Site</b>                  | Kimbeto Wash Unit |                     |                   |                          |               |
| <b>Site Position:</b>        |                   | <b>Northing:</b>    | 1,899,650.12 usft | <b>Latitude:</b>         | 36.22074500   |
| <b>From:</b>                 | Lat/Long          | <b>Easting:</b>     | 2,730,890.83 usft | <b>Longitude:</b>        | -107.80689200 |
| <b>Position Uncertainty:</b> | 0.00 ft           | <b>Slot Radius:</b> | 13-3/16 "         | <b>Grid Convergence:</b> | 0.02 °        |

|                      |                                                                    |                     |           |                   |             |               |
|----------------------|--------------------------------------------------------------------|---------------------|-----------|-------------------|-------------|---------------|
| Well                 | KWU Well No. 768H, Surf loc: 456 FSL 1075 FEL Section 17-T23N-R09W |                     |           |                   |             |               |
| Well Position        | +N/-S                                                              | 0.00 ft             | Northing: | 1,899,635.19 usft | Latitude:   | 36.22070400   |
|                      | +E/-W                                                              | 0.00 ft             | Easting:  | 2,730,877.56 usft | Longitude:  | -107.80693700 |
| Position Uncertainty | 0.00 ft                                                            | Wellhead Elevation: | ft        | Ground Level:     | 6,561.00 ft |               |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Original Hole     |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2015          | 9/15/2018          | 9.10                   | 62.87                | 49,600.63404474            |

|                          |                              |                   |                   |                      |      |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| <b>Design</b>            | Surveys Original Hole        |                   |                   |                      |      |
| <b>Audit Notes:</b>      |                              |                   |                   |                      |      |
| <b>Version:</b>          | 1.0                          | <b>Phase:</b>     | ACTUAL            | <b>Tie On Depth:</b> | 0.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Direction (°)</b> |      |
|                          | 0.00                         | 0.00              | 0.00              | 315.15               |      |

|                       |                |                            |                  |                     |  |
|-----------------------|----------------|----------------------------|------------------|---------------------|--|
| <b>Survey Program</b> | <b>Date</b>    | 11/3/2018                  |                  |                     |  |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b>   | <b>Tool Name</b> | <b>Description</b>  |  |
| 325.00                | 2,511.00       | MWD surf (Original Hole)   | MWD              | OWSG MWD - Standard |  |
| 2,591.00              | 11,209.00      | MWD (Original Hole)        | MWD              | OWSG MWD - Standard |  |
| 11,274.00             | 11,274.00      | Projection (Original Hole) | MWD              | OWSG MWD - Standard |  |

|                            |                        |                    |                            |                   |                   |                              |                              |                             |                            |  |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|----------------------------|--|
| <b>Survey</b>              |                        |                    |                            |                   |                   |                              |                              |                             |                            |  |
| <b>Measured Depth (ft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Vertical Section (ft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> |  |
| 0.00                       | 0.00                   | 0.00               | 0.00                       | 0.00              | 0.00              | 0.00                         | 0.00                         | 0.00                        | 0.00                       |  |
| 325.00                     | 1.39                   | 195.22             | 324.97                     | -3.80             | -1.03             | -1.97                        | 0.43                         | 0.43                        | 0.00                       |  |
| <b>MWD surveys</b>         |                        |                    |                            |                   |                   |                              |                              |                             |                            |  |
| 416.00                     | 2.79                   | 151.34             | 415.91                     | -6.81             | -0.26             | -4.64                        | 2.23                         | 1.54                        | -48.22                     |  |
| 508.00                     | 4.27                   | 131.33             | 507.74                     | -11.04            | 3.38              | -10.21                       | 2.07                         | 1.61                        | -21.75                     |  |
| 598.00                     | 5.69                   | 139.48             | 597.40                     | -16.64            | 8.80              | -18.01                       | 1.76                         | 1.58                        | 9.06                       |  |
| 690.00                     | 5.95                   | 136.17             | 688.92                     | -23.55            | 15.06             | -27.32                       | 0.46                         | 0.28                        | -3.60                      |  |
| 781.00                     | 7.74                   | 120.40             | 779.28                     | -30.06            | 23.62             | -37.96                       | 2.83                         | 1.97                        | -17.33                     |  |
| 873.00                     | 9.17                   | 107.99             | 870.28                     | -35.46            | 35.93             | -50.48                       | 2.51                         | 1.55                        | -13.49                     |  |



# Survey Report



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**Project:** San Juan County, New Mexico NAD83 NM W  
**Site:** Kimbeto Wash Unit  
**Well:** KWU Well No. 768H  
**Wellbore:** Original Hole  
**Design:** Surveys Original Hole

**Local Co-ordinate Reference:** Well KWU Well No. 768H  
**TVD Reference:** RKB=6561+25 @ 6586.00ft  
**MD Reference:** RKB=6561+25 @ 6586.00ft  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** DB\_Jul2216dt\_v14

## Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 964.00              | 10.28           | 104.33      | 959.97              | -39.70     | 50.70      | -63.90                | 1.40                  | 1.22                 | -4.02               |
| 1,058.00            | 12.46           | 105.12      | 1,052.12            | -44.43     | 68.62      | -79.89                | 2.33                  | 2.32                 | 0.84                |
| 1,153.00            | 14.53           | 105.71      | 1,144.50            | -50.33     | 89.99      | -99.14                | 2.18                  | 2.18                 | 0.62                |
| 1,248.00            | 16.44           | 106.77      | 1,236.04            | -57.43     | 114.33     | -121.35               | 2.03                  | 2.01                 | 1.12                |
| 1,342.00            | 18.54           | 110.49      | 1,325.70            | -66.50     | 141.07     | -146.64               | 2.53                  | 2.23                 | 3.96                |
| 1,437.00            | 20.43           | 111.85      | 1,415.25            | -77.96     | 170.61     | -175.60               | 2.05                  | 1.99                 | 1.43                |
| 1,531.00            | 22.26           | 113.14      | 1,502.80            | -91.07     | 202.21     | -207.17               | 2.01                  | 1.95                 | 1.37                |
| 1,626.00            | 24.07           | 111.92      | 1,590.14            | -105.37    | 236.73     | -241.66               | 1.97                  | 1.91                 | -1.28               |
| 1,721.00            | 25.79           | 113.71      | 1,676.28            | -120.91    | 273.63     | -278.70               | 1.98                  | 1.81                 | 1.88                |
| 1,815.00            | 29.08           | 114.89      | 1,759.70            | -138.76    | 313.09     | -319.18               | 3.55                  | 3.50                 | 1.26                |
| 1,909.00            | 29.96           | 113.83      | 1,841.50            | -157.85    | 355.28     | -362.47               | 1.09                  | 0.94                 | -1.13               |
| 2,004.00            | 28.37           | 113.39      | 1,924.45            | -176.40    | 397.70     | -405.54               | 1.69                  | -1.67                | -0.46               |
| 2,098.00            | 29.74           | 113.44      | 2,006.62            | -194.54    | 439.59     | -447.94               | 1.46                  | 1.46                 | 0.05                |
| 2,193.00            | 29.68           | 113.61      | 2,089.13            | -213.33    | 482.76     | -491.71               | 0.11                  | -0.06                | 0.18                |
| 2,287.00            | 29.33           | 113.31      | 2,170.94            | -231.76    | 525.22     | -534.73               | 0.40                  | -0.37                | -0.32               |
| 2,382.00            | 28.09           | 112.82      | 2,254.26            | -249.65    | 567.21     | -577.01               | 1.33                  | -1.31                | -0.52               |
| 2,476.00            | 25.65           | 113.30      | 2,338.11            | -266.28    | 606.30     | -616.37               | 2.61                  | -2.60                | 0.51                |
| 2,511.00            | 24.68           | 113.71      | 2,369.78            | -272.21    | 619.95     | -630.21               | 2.82                  | -2.77                | 1.17                |
| 2,591.00            | 23.82           | 113.47      | 2,442.72            | -285.36    | 650.06     | -660.77               | 1.08                  | -1.08                | -0.30               |
| 2,623.00            | 23.81           | 113.31      | 2,472.00            | -290.49    | 661.92     | -672.77               | 0.20                  | -0.03                | -0.50               |
| 2,717.00            | 26.40           | 111.64      | 2,557.11            | -305.71    | 698.77     | -709.55               | 2.86                  | 2.76                 | -1.78               |
| 2,811.00            | 29.35           | 111.41      | 2,640.20            | -321.83    | 739.66     | -749.81               | 3.14                  | 3.14                 | -0.24               |
| 2,906.00            | 32.45           | 108.58      | 2,721.71            | -338.46    | 785.50     | -793.93               | 3.60                  | 3.26                 | -2.98               |
| 3,000.00            | 32.65           | 109.60      | 2,800.94            | -355.00    | 833.29     | -839.36               | 0.62                  | 0.21                 | 1.09                |
| 3,095.00            | 31.72           | 106.83      | 2,881.35            | -370.83    | 881.34     | -884.47               | 1.84                  | -0.98                | -2.92               |
| 3,190.00            | 32.02           | 105.86      | 2,962.03            | -384.94    | 929.48     | -928.42               | 0.62                  | 0.32                 | -1.02               |
| 3,284.00            | 31.18           | 105.37      | 3,042.09            | -398.20    | 976.91     | -971.28               | 0.93                  | -0.89                | -0.52               |
| 3,379.00            | 30.41           | 104.66      | 3,123.69            | -410.80    | 1,023.89   | -1,013.34             | 0.90                  | -0.81                | -0.75               |
| 3,410.00            | 29.95           | 104.58      | 3,150.49            | -414.74    | 1,038.97   | -1,026.76             | 1.49                  | -1.48                | -0.26               |
| 3,442.00            | 29.55           | 101.27      | 3,178.28            | -418.29    | 1,054.44   | -1,040.19             | 5.28                  | -1.25                | -10.34              |
| 3,474.00            | 30.01           | 94.28       | 3,206.06            | -420.43    | 1,070.16   | -1,052.80             | 10.94                 | 1.44                 | -21.84              |
| 3,505.00            | 31.24           | 87.42       | 3,232.74            | -420.65    | 1,085.93   | -1,064.07             | 11.94                 | 3.97                 | -22.13              |
| 3,536.00            | 32.06           | 80.07       | 3,259.14            | -418.86    | 1,102.07   | -1,074.19             | 12.71                 | 2.65                 | -23.71              |
| 3,568.00            | 33.40           | 73.46       | 3,286.07            | -414.89    | 1,118.88   | -1,083.24             | 11.92                 | 4.19                 | -20.66              |
| 3,599.00            | 34.13           | 65.97       | 3,311.85            | -408.92    | 1,135.01   | -1,090.38             | 13.63                 | 2.35                 | -24.16              |
| 3,631.00            | 34.92           | 58.66       | 3,338.23            | -400.50    | 1,151.04   | -1,095.71             | 13.17                 | 2.47                 | -22.84              |
| 3,662.00            | 34.32           | 52.39       | 3,363.75            | -390.54    | 1,165.55   | -1,098.88             | 11.65                 | -1.94                | -20.23              |
| 3,694.00            | 34.50           | 45.16       | 3,390.16            | -378.64    | 1,179.13   | -1,100.02             | 12.77                 | 0.56                 | -22.59              |
| 3,725.00            | 33.37           | 38.15       | 3,415.89            | -365.74    | 1,190.62   | -1,098.98             | 13.13                 | -3.65                | -22.61              |
| 3,756.00            | 31.87           | 31.96       | 3,442.00            | -352.09    | 1,200.22   | -1,096.08             | 11.80                 | -4.84                | -19.97              |
| 3,788.00            | 28.82           | 25.70       | 3,469.62            | -337.97    | 1,208.04   | -1,091.58             | 13.72                 | -9.53                | -19.56              |
| 3,819.00            | 24.36           | 22.40       | 3,497.34            | -325.31    | 1,213.72   | -1,086.62             | 15.15                 | -14.39               | -10.65              |
| 3,851.00            | 20.76           | 17.95       | 3,526.89            | -313.81    | 1,217.99   | -1,081.47             | 12.44                 | -11.25               | -13.91              |





## Survey Report



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**Survey Calculation Method:** Minimum Curvature  
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### Survey

| Measured Depth (ft)                     | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|-----------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 3,882.00                                | 16.88           | 10.26       | 3,556.23            | -304.15    | 1,220.48   | -1,076.38             | 14.83                 | -12.52               | -24.81              |
| 3,913.00                                | 14.49           | 356.82      | 3,586.08            | -295.85    | 1,221.07   | -1,070.91             | 13.98                 | -7.71                | -43.35              |
| 3,945.00                                | 14.18           | 342.52      | 3,617.10            | -288.11    | 1,219.67   | -1,064.43             | 11.08                 | -0.97                | -44.69              |
| 3,976.00                                | 15.28           | 328.29      | 3,647.09            | -281.01    | 1,216.38   | -1,057.08             | 12.16                 | 3.55                 | -45.90              |
| 4,008.00                                | 17.53           | 319.33      | 3,677.79            | -273.77    | 1,211.02   | -1,048.17             | 10.56                 | 7.03                 | -28.00              |
| 4,039.00                                | 19.78           | 313.66      | 3,707.16            | -266.60    | 1,204.18   | -1,038.26             | 9.31                  | 7.26                 | -18.29              |
| 4,071.00                                | 22.90           | 310.88      | 3,736.96            | -258.79    | 1,195.56   | -1,026.64             | 10.25                 | 9.75                 | -8.69               |
| 4,102.00                                | 25.39           | 305.78      | 3,765.25            | -250.95    | 1,185.60   | -1,014.06             | 10.47                 | 8.03                 | -16.45              |
| 4,134.00                                | 28.19           | 300.61      | 3,793.82            | -243.09    | 1,173.53   | -999.97               | 11.38                 | 8.75                 | -16.16              |
| 4,165.00                                | 31.71           | 298.35      | 3,820.67            | -235.49    | 1,160.05   | -985.08               | 11.92                 | 11.35                | -7.29               |
| 4,197.00                                | 35.00           | 295.77      | 3,847.40            | -227.50    | 1,144.38   | -968.37               | 11.19                 | 10.28                | -8.06               |
| 4,228.00                                | 38.38           | 294.92      | 3,872.26            | -219.58    | 1,127.64   | -950.95               | 11.03                 | 10.90                | -2.74               |
| 4,260.00                                | 42.39           | 295.02      | 3,896.63            | -210.83    | 1,108.85   | -931.49               | 12.53                 | 12.53                | 0.31                |
| 4,291.00                                | 46.22           | 295.32      | 3,918.81            | -201.62    | 1,089.26   | -911.14               | 12.37                 | 12.35                | 0.97                |
| 4,323.00                                | 49.66           | 296.34      | 3,940.24            | -191.27    | 1,067.88   | -888.73               | 11.01                 | 10.75                | 3.19                |
| 4,354.00                                | 53.43           | 298.73      | 3,959.52            | -180.04    | 1,046.37   | -865.59               | 13.58                 | 12.16                | 7.71                |
| 4,386.00                                | 57.17           | 299.94      | 3,977.73            | -167.14    | 1,023.44   | -840.28               | 12.09                 | 11.69                | 3.78                |
| 4,417.00                                | 59.83           | 300.59      | 3,993.93            | -153.82    | 1,000.61   | -814.74               | 8.76                  | 8.58                 | 2.10                |
| 4,449.00                                | 60.45           | 301.27      | 4,009.86            | -139.56    | 976.81     | -787.84               | 2.67                  | 1.94                 | 2.13                |
| 4,480.00                                | 61.52           | 300.56      | 4,024.90            | -125.63    | 953.55     | -761.56               | 3.99                  | 3.45                 | -2.29               |
| 4,512.00                                | 64.71           | 301.95      | 4,039.36            | -110.82    | 929.16     | -733.86               | 10.69                 | 9.97                 | 4.34                |
| 4,543.00                                | 68.68           | 303.51      | 4,051.63            | -95.42     | 905.22     | -706.06               | 13.61                 | 12.81                | 5.03                |
| 4,575.00                                | 72.78           | 304.03      | 4,062.19            | -78.64     | 880.11     | -676.45               | 12.90                 | 12.81                | 1.63                |
| 4,606.00                                | 77.35           | 306.41      | 4,070.17            | -61.36     | 855.66     | -646.96               | 16.50                 | 14.74                | 7.68                |
| 4,638.00                                | 80.82           | 306.12      | 4,076.23            | -42.78     | 830.32     | -615.92               | 10.88                 | 10.84                | -0.91               |
| 4,669.00                                | 81.38           | 305.72      | 4,081.03            | -24.81     | 805.52     | -585.69               | 2.21                  | 1.81                 | -1.29               |
| 4,701.00                                | 81.93           | 306.25      | 4,085.67            | -6.21      | 779.90     | -554.43               | 2.37                  | 1.72                 | 1.66                |
| 4,733.00                                | 83.37           | 308.47      | 4,089.77            | 13.05      | 754.68     | -522.99               | 8.22                  | 4.50                 | 6.94                |
| 4,745.00                                | 83.64           | 308.99      | 4,091.12            | 20.51      | 745.38     | -511.14               | 4.84                  | 2.29                 | 4.29                |
| <b>POE = 330 FEL @ 4745 MD 4091 TVD</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 4,764.00                                | 84.08           | 309.80      | 4,093.16            | 32.50      | 730.78     | -492.35               | 4.84                  | 2.29                 | 4.29                |
| 4,796.00                                | 85.19           | 310.64      | 4,096.15            | 53.07      | 706.45     | -460.60               | 4.34                  | 3.47                 | 2.63                |
| 4,891.00                                | 86.70           | 315.98      | 4,102.87            | 118.05     | 637.53     | -365.93               | 5.83                  | 1.59                 | 5.62                |
| 4,985.00                                | 88.05           | 318.56      | 4,107.18            | 187.02     | 573.82     | -272.10               | 3.10                  | 1.44                 | 2.74                |
| 5,079.00                                | 87.41           | 315.08      | 4,110.90            | 255.50     | 509.56     | -178.23               | 3.76                  | -0.68                | -3.70               |
| 5,174.00                                | 87.44           | 313.25      | 4,115.17            | 321.62     | 441.48     | -83.34                | 1.92                  | 0.03                 | -1.93               |
| 5,269.00                                | 87.18           | 313.39      | 4,119.63            | 386.72     | 372.44     | 11.50                 | 0.31                  | -0.27                | 0.15                |
| 5,363.00                                | 87.51           | 313.01      | 4,123.98            | 451.00     | 303.99     | 105.35                | 0.54                  | 0.35                 | -0.40               |
| 5,457.00                                | 90.74           | 313.68      | 4,125.42            | 515.51     | 235.65     | 199.28                | 3.51                  | 3.44                 | 0.71                |
| 5,551.00                                | 91.95           | 313.48      | 4,123.21            | 580.29     | 167.58     | 293.21                | 1.30                  | 1.29                 | -0.21               |
| 5,645.00                                | 93.00           | 313.37      | 4,119.15            | 644.84     | 99.37      | 387.08                | 1.12                  | 1.12                 | -0.12               |
| 5,739.00                                | 90.98           | 314.54      | 4,115.89            | 710.04     | 31.75      | 481.00                | 2.48                  | -2.15                | 1.24                |
| 5,834.00                                | 91.34           | 314.09      | 4,113.96            | 776.40     | -36.21     | 575.97                | 0.61                  | 0.38                 | -0.47               |
| 5,928.00                                | 90.20           | 317.26      | 4,112.70            | 843.63     | -101.88    | 669.94                | 3.58                  | -1.21                | 3.37                |



# Survey Report



**Company:** Enduring Resources LLC  
**Project:** San Juan County, New Mexico NAD83 NM W  
**Site:** Kimbeto Wash Unit  
**Well:** KWU Well No. 768H  
**Wellbore:** Original Hole  
**Design:** Surveys Original Hole

**Local Co-ordinate Reference:** Well KWU Well No. 768H  
**TVD Reference:** RKB=6561+25 @ 6586.00ft  
**MD Reference:** RKB=6561+25 @ 6586.00ft  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** DB\_Jul2216dt\_v14

## Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 6,022.00            | 90.37           | 316.13      | 4,112.23            | 912.03     | -166.35    | 763.91                | 1.22                  | 0.18                 | -1.20               |
| 6,117.00            | 92.15           | 317.07      | 4,110.14            | 981.03     | -231.60    | 858.85                | 2.12                  | 1.87                 | 0.99                |
| 6,211.00            | 89.97           | 315.86      | 4,108.40            | 1,049.16   | -296.33    | 952.80                | 2.65                  | -2.32                | -1.29               |
| 6,305.00            | 88.59           | 316.18      | 4,109.59            | 1,116.80   | -361.60    | 1,046.78              | 1.51                  | -1.47                | 0.34                |
| 6,400.00            | 88.82           | 316.21      | 4,111.73            | 1,185.34   | -427.34    | 1,141.74              | 0.24                  | 0.24                 | 0.03                |
| 6,494.00            | 90.07           | 317.43      | 4,112.64            | 1,253.88   | -491.66    | 1,235.69              | 1.86                  | 1.33                 | 1.30                |
| 6,588.00            | 88.42           | 316.59      | 4,113.88            | 1,322.63   | -555.75    | 1,329.63              | 1.97                  | -1.76                | -0.89               |
| 6,683.00            | 88.49           | 315.71      | 4,116.44            | 1,391.11   | -621.54    | 1,424.58              | 0.93                  | 0.07                 | -0.93               |
| 6,777.00            | 89.13           | 315.71      | 4,118.40            | 1,458.39   | -687.16    | 1,518.55              | 0.68                  | 0.68                 | 0.00                |
| 6,871.00            | 90.20           | 315.70      | 4,118.95            | 1,525.66   | -752.80    | 1,612.55              | 1.14                  | 1.14                 | -0.01               |
| 6,965.00            | 87.98           | 314.79      | 4,120.44            | 1,592.40   | -818.97    | 1,706.53              | 2.55                  | -2.36                | -0.97               |
| 7,059.00            | 87.91           | 313.05      | 4,123.81            | 1,657.56   | -886.64    | 1,800.44              | 1.85                  | -0.07                | -1.85               |
| 7,154.00            | 88.46           | 312.04      | 4,126.82            | 1,721.76   | -956.59    | 1,895.29              | 1.21                  | 0.58                 | -1.06               |
| 7,248.00            | 91.24           | 313.97      | 4,127.06            | 1,785.87   | -1,025.32  | 1,989.21              | 3.60                  | 2.96                 | 2.05                |
| 7,343.00            | 91.48           | 313.45      | 4,124.81            | 1,851.50   | -1,093.97  | 2,084.16              | 0.60                  | 0.25                 | -0.55               |
| 7,437.00            | 90.13           | 314.17      | 4,123.49            | 1,916.56   | -1,161.80  | 2,178.12              | 1.63                  | -1.44                | 0.77                |
| 7,532.00            | 90.87           | 314.13      | 4,122.66            | 1,982.73   | -1,229.96  | 2,273.10              | 0.78                  | 0.78                 | -0.04               |
| 7,626.00            | 89.76           | 315.19      | 4,122.14            | 2,048.80   | -1,296.82  | 2,367.09              | 1.63                  | -1.18                | 1.13                |
| 7,720.00            | 90.20           | 315.68      | 4,122.18            | 2,115.77   | -1,362.78  | 2,461.09              | 0.70                  | 0.47                 | 0.52                |
| 7,814.00            | 89.43           | 317.38      | 4,122.48            | 2,183.99   | -1,427.45  | 2,555.06              | 1.99                  | -0.82                | 1.81                |
| 7,909.00            | 89.83           | 318.18      | 4,123.09            | 2,254.34   | -1,491.28  | 2,649.96              | 0.94                  | 0.42                 | 0.84                |
| 8,003.00            | 90.07           | 316.84      | 4,123.17            | 2,323.65   | -1,554.77  | 2,743.87              | 1.45                  | 0.26                 | -1.43               |
| 8,098.00            | 90.94           | 317.30      | 4,122.34            | 2,393.20   | -1,619.48  | 2,838.82              | 1.04                  | 0.92                 | 0.48                |
| 8,192.00            | 91.28           | 316.50      | 4,120.52            | 2,461.83   | -1,683.69  | 2,932.75              | 0.92                  | 0.36                 | -0.85               |
| 8,286.00            | 92.05           | 317.43      | 4,117.79            | 2,530.50   | -1,747.81  | 3,026.66              | 1.28                  | 0.82                 | 0.99                |
| 8,380.00            | 91.88           | 316.73      | 4,114.56            | 2,599.30   | -1,811.79  | 3,120.56              | 0.77                  | -0.18                | -0.74               |
| 8,475.00            | 88.02           | 315.05      | 4,114.64            | 2,667.50   | -1,877.89  | 3,215.53              | 4.43                  | -4.06                | -1.77               |
| 8,570.00            | 88.99           | 315.80      | 4,117.12            | 2,735.14   | -1,944.55  | 3,310.49              | 1.29                  | 1.02                 | 0.79                |
| 8,664.00            | 90.10           | 315.11      | 4,117.87            | 2,802.13   | -2,010.48  | 3,404.48              | 1.39                  | 1.18                 | -0.73               |
| 8,759.00            | 91.18           | 313.91      | 4,116.81            | 2,868.72   | -2,078.22  | 3,499.47              | 1.70                  | 1.14                 | -1.26               |
| 8,853.00            | 90.10           | 314.15      | 4,115.76            | 2,934.05   | -2,145.80  | 3,593.44              | 1.18                  | -1.15                | 0.26                |
| 8,947.00            | 90.17           | 313.72      | 4,115.54            | 2,999.27   | -2,213.49  | 3,687.42              | 0.46                  | 0.07                 | -0.46               |
| 9,042.00            | 91.41           | 313.69      | 4,114.23            | 3,064.91   | -2,282.16  | 3,782.38              | 1.31                  | 1.31                 | -0.03               |
| 9,137.00            | 89.33           | 314.31      | 4,113.61            | 3,130.89   | -2,350.49  | 3,877.36              | 2.28                  | -2.19                | 0.65                |
| 9,231.00            | 88.96           | 315.06      | 4,115.02            | 3,196.99   | -2,417.32  | 3,971.34              | 0.89                  | -0.39                | 0.80                |
| 9,326.00            | 88.96           | 314.28      | 4,116.74            | 3,263.76   | -2,484.86  | 4,066.32              | 0.82                  | 0.00                 | -0.82               |
| 9,420.00            | 88.86           | 313.02      | 4,118.53            | 3,328.63   | -2,552.87  | 4,160.27              | 1.34                  | -0.11                | -1.34               |
| 9,514.00            | 88.49           | 312.98      | 4,120.70            | 3,392.72   | -2,621.60  | 4,254.18              | 0.40                  | -0.39                | -0.04               |
| 9,609.00            | 89.03           | 314.14      | 4,122.76            | 3,458.17   | -2,690.42  | 4,349.12              | 1.35                  | 0.57                 | 1.22                |
| 9,703.00            | 89.97           | 313.78      | 4,123.58            | 3,523.42   | -2,758.08  | 4,443.09              | 1.07                  | 1.00                 | -0.38               |
| 9,798.00            | 90.07           | 313.13      | 4,123.55            | 3,588.76   | -2,827.04  | 4,538.05              | 0.69                  | 0.11                 | -0.68               |
| 9,892.00            | 90.03           | 314.01      | 4,123.46            | 3,653.55   | -2,895.15  | 4,632.01              | 0.94                  | -0.04                | 0.94                |
| 9,986.00            | 89.77           | 312.33      | 4,123.63            | 3,717.86   | -2,963.70  | 4,725.95              | 1.81                  | -0.28                | -1.79               |





## Survey Report



**Company:** Enduring Resources LLC  
**Project:** San Juan County, New Mexico NAD83 NM W  
**Site:** Kimbeto Wash Unit  
**Well:** KWU Well No. 768H  
**Wellbore:** Original Hole  
**Design:** Surveys Original Hole

**Local Co-ordinate Reference:** Well KWU Well No. 768H  
**TVD Reference:** RKB=6561+25 @ 6586.00ft  
**MD Reference:** RKB=6561+25 @ 6586.00ft  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** DB\_Jul2216dt\_v14

### Survey

| Measured Depth (ft)                                | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|----------------------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 10,081.00                                          | 90.64           | 316.12      | 4,123.29            | 3,784.10   | -3,031.76  | 4,820.92              | 4.09                  | 0.92                 | 3.99                |
| 10,175.00                                          | 90.98           | 317.16      | 4,121.96            | 3,852.44   | -3,096.30  | 4,914.88              | 1.16                  | 0.36                 | 1.11                |
| 10,270.00                                          | 91.41           | 316.15      | 4,119.98            | 3,921.51   | -3,161.49  | 5,009.83              | 1.16                  | 0.45                 | -1.06               |
| 10,364.00                                          | 92.35           | 315.89      | 4,116.89            | 3,989.11   | -3,226.73  | 5,103.76              | 1.04                  | 1.00                 | -0.28               |
| 10,459.00                                          | 90.54           | 316.86      | 4,114.50            | 4,057.86   | -3,292.25  | 5,198.71              | 2.16                  | -1.91                | 1.02                |
| 10,553.00                                          | 86.84           | 315.06      | 4,116.65            | 4,125.40   | -3,357.56  | 5,292.65              | 4.38                  | -3.94                | -1.91               |
| 10,647.00                                          | 86.14           | 316.89      | 4,122.40            | 4,192.86   | -3,422.76  | 5,386.46              | 2.08                  | -0.74                | 1.95                |
| 10,742.00                                          | 86.74           | 316.98      | 4,128.30            | 4,262.13   | -3,487.50  | 5,481.23              | 0.64                  | 0.63                 | 0.09                |
| 10,836.00                                          | 87.04           | 316.05      | 4,133.40            | 4,330.23   | -3,552.10  | 5,575.07              | 1.04                  | 0.32                 | -0.99               |
| 10,931.00                                          | 88.59           | 314.77      | 4,137.02            | 4,397.83   | -3,618.74  | 5,669.99              | 2.12                  | 1.63                 | -1.35               |
| 11,025.00                                          | 88.76           | 315.74      | 4,139.20            | 4,464.57   | -3,684.89  | 5,763.96              | 1.05                  | 0.18                 | 1.03                |
| 11,109.00                                          | 89.09           | 315.23      | 4,140.77            | 4,524.46   | -3,743.77  | 5,847.95              | 0.72                  | 0.39                 | -0.61               |
| <b>Frac sleeve @ 11109 MD 4141 TVD</b>             |                 |             |                     |            |            |                       |                       |                      |                     |
| 11,120.00                                          | 89.13           | 315.16      | 4,140.95            | 4,532.26   | -3,751.52  | 5,858.95              | 0.72                  | 0.39                 | -0.61               |
| 11,168.00                                          | 89.81           | 315.55      | 4,141.39            | 4,566.41   | -3,785.25  | 5,906.94              | 1.64                  | 1.43                 | 0.81                |
| <b>330 FNL @ 11168 MD 4141 TVD</b>                 |                 |             |                     |            |            |                       |                       |                      |                     |
| 11,209.00                                          | 90.40           | 315.88      | 4,141.31            | 4,595.76   | -3,813.88  | 5,947.94              | 1.64                  | 1.43                 | 0.81                |
| <b>Survey @ 11209.00 MD 4141.31 TVD</b>            |                 |             |                     |            |            |                       |                       |                      |                     |
| 11,274.00                                          | 90.40           | 315.88      | 4,140.86            | 4,642.42   | -3,859.13  | 6,012.93              | 0.00                  | 0.00                 | 0.00                |
| <b>Survey projected to 11274.00 MD 4140.86 TVD</b> |                 |             |                     |            |            |                       |                       |                      |                     |

### Design Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            | Comment                                     |
|---------------------|---------------------|-------------------|------------|---------------------------------------------|
|                     |                     | +N/-S (ft)        | +E/-W (ft) |                                             |
| 325.00              | 324.97              | -3.80             | -1.03      | MWD surveys                                 |
| 4,745.00            | 4,091.12            | 20.51             | 745.38     | POE = 330 FEL @ 4745 MD 4091 TVD            |
| 11,109.00           | 4,140.77            | 4,524.46          | -3,743.77  | Frac sleeve @ 11109 MD 4141 TVD             |
| 11,168.00           | 4,141.39            | 4,566.41          | -3,785.25  | 330 FNL @ 11168 MD 4141 TVD                 |
| 11,209.00           | 4,141.31            | 4,595.76          | -3,813.88  | Survey @ 11209.00 MD 4141.31 TVD            |
| 11,274.00           | 4,140.86            | 4,642.42          | -3,859.13  | Survey projected to 11274.00 MD 4140.86 TVD |