



Company: Trans Energy Inc.  
 Site: Woodruff  
 Well: 2H  
 Project: Marshall County, West Virginia (NAD 27)  
 Rig Name: H&P 285



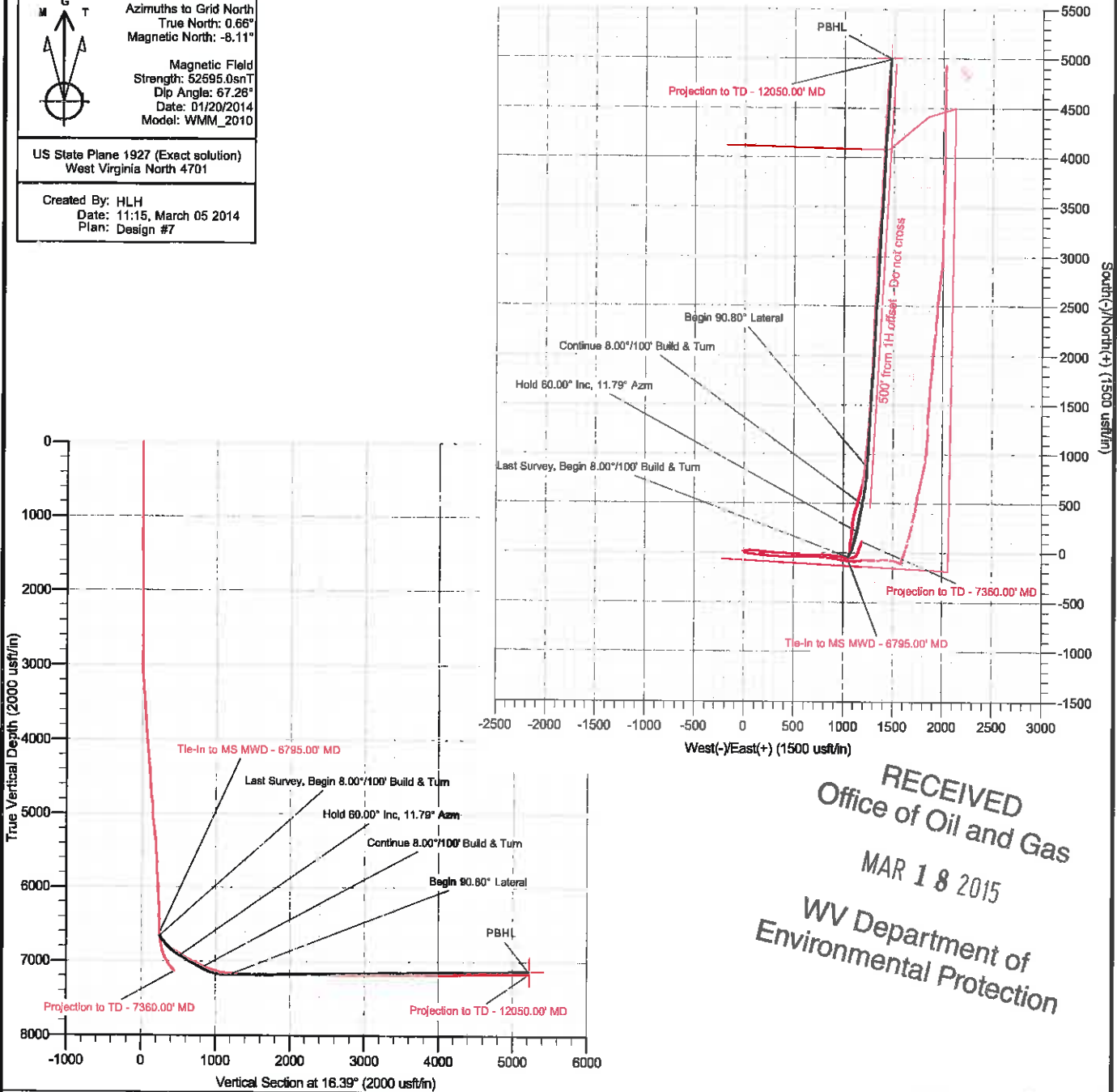
| ANNOTATIONS |       |       |         |         |         |         |           |  |
|-------------|-------|-------|---------|---------|---------|---------|-----------|--|
| MD          | Inc   | Azi   | TVD     | +N/-S   | +E/-W   | Vsect   | Departure | Annotation                                 |
| 8824.00     | 32.00 | 29.90 | 6660.39 | -44.08  | 1047.89 | 253.40  | 0.00      | Last Survey, Begin 8.00°/100' Build & Turn |
| 7207.24     | 60.00 | 11.79 | 6825.05 | 212.55  | 1134.49 | 524.03  | 271.88    | Hold 60.00° Inc, 11.79° Azm                |
| 7534.35     | 60.00 | 11.79 | 7088.60 | 489.85  | 1192.38 | 806.41  | 555.17    | Continue 8.00°/100' Build & Turn           |
| 7932.73     | 90.80 | 3.20  | 7187.99 | 867.36  | 1239.98 | 1182.01 | 936.01    | Begin 90.80° Lateral                       |
| 12073.94    | 90.80 | 3.20  | 7130.17 | 5001.72 | 1471.13 | 5213.58 | 5076.82   | PBHL                                       |

Azimuths to Grid North  
 True North: 0.66°  
 Magnetic North: -8.11°

Magnetic Field  
 Strength: 52695.0snT  
 Dip Angle: 67.26°  
 Date: 01/20/2014  
 Model: WMM\_2010

US State Plane 1927 (Exact solution)  
 West Virginia North 4701

Created By: HLH  
 Date: 11:15, March 05 2014  
 Plan: Design #7



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The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by MS Energy are at the sole risk and responsibility of the customer. MS Energy is not responsible for the accuracy of this schematic or the information contained herein.



## **Trans Energy Inc.**

**Marshall County, West Virginia (NAD 27)**

**Woodruff**

**2H**

**Wellbore #1**

**Survey: MS MWD**

## **Standard Survey Report**

**05 March, 2014**



Survey Report

|   |   |
|---|---|
| <b>Company:</b> Trans Energy Inc.                       | <b>Local Co-ordinate Reference:</b> Well 2H         |
| <b>Project:</b> Marshall County, West Virginia (NAD 27) | <b>TVD Reference:</b> WELL @ 1488.00usft (H&P 285)  |
| <b>Site:</b> Woodruff                                   | <b>MD Reference:</b> WELL @ 1488 00usft (H&P 285)   |
| <b>Well:</b> 2H   | <b>North Reference:</b> Grid                        |
| <b>Wellbore:</b> Wellbore #1                            | <b>Survey Calculation Method:</b> Minimum Curvature |
| <b>Design:</b> Surveys                                  | <b>Database:</b> EDM 5000 Conroe Server             |

|   |                                     |
|---|-------------------------------------|
| <b>Project:</b> Marshall County, West Virginia (NAD 27) |                                     |
| <b>Map System:</b> US State Plane 1927 (Exact solution) | <b>System Datum:</b> Mean Sea Level |
| <b>Geo Datum:</b> NAD 1927 (NADCON CONUS)               |                                     |
| <b>Map Zone:</b> West Virginia North 4701               |                                     |

|                             |                        |                                   |                                    |
|-----------------------------|------------------------|-----------------------------------|------------------------------------|
| <b>Well:</b> 2H             |                        |                                   |                                    |
| <b>Well Position</b>        | <b>+N-S</b> 0.00 usft  | <b>Northing:</b> 495,714.42 usft  | <b>Latitude:</b> 39° 51' 23.358 N  |
|                             | <b>+E/-W</b> 0.00 usft | <b>Easting:</b> 1,711,771.06 usft | <b>Longitude:</b> 80° 31' 36.092 W |
| <b>Position Uncertainty</b> | 0.00 usft              | <b>Wellhead Elevation:</b> usft   | <b>Ground Level:</b> 1,468.00 usft |

|                              |                   |                    |                        |                      |                            |
|------------------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore:</b> Wellbore #1 |                   |                    |                        |                      |                            |
| <b>Magnetics</b>             | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                              | WMM_2010          | 01/20/14           | -8.77                  | 67.26                | 52,595                     |

|                          |                                |                           |                     |                      |
|--------------------------|--------------------------------|---------------------------|---------------------|----------------------|
| <b>Design:</b> Surveys   |                                |                           |                     |                      |
| <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) (usft)</b> | <b>+N-S (usft)</b>        | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |
|                          | 0.00                           | 0.00                      | 0.00                | 20.65                |

|                       |                      |                          |                  |                    |
|-----------------------|----------------------|--------------------------|------------------|--------------------|
| <b>Survey Program</b> | <b>Date</b> 03/03/14 |                          |                  |                    |
| <b>From (usft)</b>    | <b>To (usft)</b>     | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |
| 171.00                | 7,360.00             | MS MWD (Wellbore #1)     | MWD              | MWD - Standard     |

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|-------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00        | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 171.00                | 1.00            | 341.40      | 170.99                | 1.41        | -0.48        | 1.16                    | 0.58                    | 0.21                   | 0.00                  |
| 266.00                | 1.20            | 354.50      | 265.97                | 3.19        | -0.84        | 2.69                    | 0.34                    | -0.11                  | 7.22                  |
| 356.00                | 1.10            | 1.00        | 355.96                | 4.99        | -0.91        | 4.35                    | 0.18                    | -0.11                  | 1.99                  |
| 447.00                | 1.20            | 354.00      | 446.94                | 6.81        | -1.00        | 6.02                    | 0.19                    | 0.11                   | 0.00                  |
| 543.00                | 0.10            | 255.40      | 542.93                | 7.79        | -1.18        | 6.87                    | 1.27                    | -1.15                  | 92.71                 |
| 633.00                | 0.80            | 219.40      | 632.93                | 7.41        | -1.56        | 6.38                    | 0.58                    | 0.56                   | 40.00                 |
| 724.00                | 0.40            | 239.40      | 723.93                | 6.88        | -2.13        | 5.68                    | 0.29                    | 0.32                   | 21.98                 |
| 815.00                | 0.70            | 243.50      | 814.92                | 6.47        | -2.90        | 5.03                    | 0.35                    | 0.33                   | 1.51                  |
| 905.00                | 0.40            | 150.20      | 904.92                | 5.95        | -3.24        | 4.43                    | 0.92                    | 0.11                   | -103.99               |
| 999.00                | 0.30            | 76.80       | 998.92                | 5.72        | -2.84        | 4.35                    | 0.45                    | -0.11                  | -78.09                |
| 1,093.00              | 0.60            | 100.60      | 1,092.91              | 5.69        | -2.11        | 4.58                    | 0.37                    | 0.32                   | 25.32                 |
| 1,188.00              | 0.40            | 42.80       | 1,187.91              | 5.84        | -1.40        | 4.97                    | 0.54                    | -0.21                  | -60.84                |
| 1,282.00              | 0.50            | 52.00       | 1,281.91              | 6.33        | -0.85        | 5.62                    | 0.13                    | 0.11                   | 9.79                  |
| 1,376.00              | 0.60            | 56.80       | 1,375.90              | 6.85        | -0.12        | 6.37                    | 0.12                    | 0.11                   | 5.11                  |

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|------------------|---|-------------------------------------|------------------------------|
| <b>Company:</b>  | Trans Energy Inc.                       | <b>Local Co-ordinate Reference:</b> | Well 2H                      |
| <b>Project:</b>  | Marshall County, West Virginia (NAD 27) | <b>TVD Reference:</b>               | WELL @ 1488.00usft (H&P 285) |
| <b>Site:</b>     | Woodruff                                | <b>MD Reference:</b>                | WELL @ 1488.00usft (H&P 285) |
| <b>Well:</b>     | 2H                                      | <b>North Reference:</b>             | Grd                          |
| <b>Wellbore:</b> | Wellbore #1                             | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | Surveys                                 | <b>Database:</b>                    | EDM 5000 Conroe Server       |

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 1,471.00              | 0.70            | 51.60       | 1,470.90              | 7.49         | 0.75         | 7.27                    | 0.12                    | 0.11                   | -5.47                 |
| 1,565.00              | 0.70            | 46.60       | 1,564.89              | 8.24         | 1.62         | 8.28                    | 0.06                    | 0.00                   | -5.32                 |
| 1,660.00              | 0.70            | 44.60       | 1,659.88              | 9.05         | 2.45         | 9.33                    | 0.03                    | 0.00                   | -2.11                 |
| 1,754.00              | 0.60            | 52.90       | 1,753.88              | 9.76         | 3.25         | 10.27                   | 0.15                    | -0.11                  | 8.83                  |
| 1,848.00              | 0.40            | 33.60       | 1,847.87              | 10.33        | 3.82         | 11.01                   | 0.28                    | -0.21                  | -20.53                |
| 1,943.00              | 0.20            | 6.70        | 1,942.87              | 10.77        | 4.02         | 11.49                   | 0.25                    | -0.21                  | -28.32                |
| 2,037.00              | 0.80            | 313.40      | 2,036.87              | 11.38        | 3.56         | 11.91                   | 0.74                    | 0.64                   | -56.70                |
| 2,132.00              | 1.40            | 306.50      | 2,131.85              | 12.53        | 2.15         | 12.48                   | 0.65                    | 0.63                   | -7.26                 |
| 2,226.00              | 1.90            | 296.50      | 2,225.81              | 13.91        | -0.17        | 12.95                   | 0.61                    | 0.53                   | -10.64                |
| 2,320.00              | 2.00            | 296.30      | 2,319.76              | 15.33        | -3.03        | 13.27                   | 0.11                    | 0.11                   | -0.21                 |
| 2,415.00              | 0.40            | 201.40      | 2,414.74              | 15.75        | -4.64        | 13.10                   | 2.18                    | -1.68                  | -99.89                |
| 2,509.00              | 0.80            | 235.10      | 2,508.73              | 15.07        | -5.30        | 12.24                   | 0.55                    | 0.43                   | 35.85                 |
| 2,604.00              | 0.90            | 241.90      | 2,603.72              | 14.34        | -6.50        | 11.13                   | 0.15                    | 0.11                   | 7.16                  |
| 2,698.00              | 0.70            | 271.80      | 2,697.71              | 14.01        | -7.73        | 10.39                   | 0.48                    | -0.21                  | 31.81                 |
| 2,793.00              | 0.90            | 269.30      | 2,792.70              | 14.02        | -9.05        | 9.93                    | 0.21                    | 0.21                   | -2.63                 |
| 2,887.00              | 0.50            | 257.10      | 2,886.70              | 13.92        | -10.19       | 9.43                    | 0.45                    | -0.43                  | -12.98                |
| 2,957.00              | 0.30            | 326.70      | 2,956.70              | 14.01        | -10.69       | 9.37                    | 0.69                    | -0.29                  | 99.43                 |
| 3,052.00              | 3.20            | 80.60       | 3,051.65              | 14.65        | -8.11        | 10.85                   | 3.51                    | 3.05                   | 119.89                |
| 3,146.00              | 5.80            | 76.80       | 3,145.35              | 16.16        | -0.89        | 14.81                   | 2.78                    | 2.77                   | -4.04                 |
| 3,241.00              | 8.70            | 77.80       | 3,239.58              | 18.77        | 10.80        | 21.38                   | 3.06                    | 3.05                   | 1.05                  |
| 3,335.00              | 11.30           | 85.80       | 3,332.15              | 20.95        | 26.94        | 29.11                   | 3.13                    | 2.77                   | 8.51                  |
| 3,430.00              | 13.10           | 89.60       | 3,425.00              | 21.71        | 46.99        | 36.89                   | 2.07                    | 1.89                   | 4.00                  |
| 3,524.00              | 16.10           | 90.90       | 3,515.96              | 21.58        | 70.68        | 45.12                   | 3.21                    | 3.19                   | 1.38                  |
| 3,619.00              | 18.90           | 93.00       | 3,606.55              | 20.57        | 99.22        | 54.24                   | 3.02                    | 2.95                   | 2.21                  |
| 3,713.00              | 21.40           | 94.00       | 3,694.79              | 18.57        | 131.54       | 63.77                   | 2.68                    | 2.66                   | 1.06                  |
| 3,807.00              | 20.30           | 95.10       | 3,782.63              | 15.93        | 164.89       | 73.05                   | 1.24                    | -1.17                  | 1.17                  |
| 3,901.00              | 18.90           | 97.50       | 3,871.19              | 12.49        | 196.23       | 80.89                   | 1.72                    | -1.49                  | 2.55                  |
| 3,996.00              | 19.70           | 99.10       | 3,960.85              | 7.95         | 227.29       | 87.60                   | 1.01                    | 0.84                   | 1.68                  |
| 4,090.00              | 21.00           | 92.90       | 4,048.99              | 4.59         | 259.78       | 95.90                   | 2.68                    | 1.38                   | -6.60                 |
| 4,184.00              | 19.30           | 93.90       | 4,137.23              | 2.68         | 292.09       | 105.52                  | 1.85                    | -1.81                  | 1.06                  |
| 4,279.00              | 18.60           | 95.40       | 4,227.08              | 0.19         | 322.83       | 114.03                  | 0.90                    | -0.74                  | 1.58                  |
| 4,374.00              | 19.60           | 90.60       | 4,316.86              | -1.40        | 353.85       | 123.47                  | 1.96                    | 1.65                   | -5.05                 |
| 4,468.00              | 17.50           | 88.40       | 4,405.97              | -1.18        | 383.75       | 134.23                  | 2.35                    | 2.23                   | 3.94                  |
| 4,562.00              | 15.50           | 92.10       | 4,496.10              | -1.24        | 410.43       | 143.58                  | 2.40                    | -2.13                  | 3.94                  |
| 4,656.00              | 18.30           | 98.40       | 4,586.04              | -3.86        | 437.59       | 150.71                  | 3.56                    | 2.98                   | 1.70                  |
| 4,751.00              | 19.10           | 97.70       | 4,676.02              | -8.12        | 467.75       | 157.36                  | 0.87                    | 0.84                   | -1.70                 |
| 4,845.00              | 19.20           | 89.30       | 4,764.84              | -9.99        | 498.45       | 166.43                  | 2.93                    | 0.11                   | -8.94                 |
| 4,939.00              | 19.10           | 87.70       | 4,853.64              | -9.18        | 529.27       | 178.06                  | 5.67                    | 5.42                   | 6.32                  |
| 5,034.00              | 19.60           | 103.20      | 4,943.33              | -12.20       | 560.34       | 186.19                  | 5.42                    | 0.53                   | -4.79                 |
| 5,128.00              | 22.40           | 98.70       | 5,031.08              | -18.51       | 593.40       | 191.94                  | 3.44                    | 2.98                   | -9.89                 |
| 5,222.00              | 24.70           | 89.40       | 5,117.28              | -21.02       | 630.76       | 202.78                  | 4.64                    | 2.45                   | -5.11                 |
| 5,316.00              | 20.30           | 84.60       | 5,204.11              | -19.28       | 666.65       | 217.06                  | 5.07                    | -4.68                  | 3.26                  |
| 5,411.00              | 15.30           | 87.70       | 5,294.53              | -17.22       | 695.60       | 229.20                  | 5.36                    | -5.26                  | -1.06                 |
| 5,505.00              | 14.20           | 86.70       | 5,385.43              | -16.06       | 719.51       | 238.71                  | 1.20                    | -1.17                  | -1.06                 |

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| <b>Company:</b>  | Trans Energy Inc.                       | <b>Local Co-ordinate Reference:</b> | Well 2H                      |
| <b>Project:</b>  | Marshall County, West Virginia (NAD 27) | <b>TVD Reference:</b>               | WELL @ 1488 00usft (H&P 285) |
| <b>Site:</b>     | Woodruff                                | <b>MD Reference:</b>                | WELL @ 1488 00usft (H&P 285) |
| <b>Well:</b>     | 2H                                      | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | Wellbore #1                             | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | Surveys                                 | <b>Database:</b>                    | EDM 5000 Conroe Server       |

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 5,599.00              | 15.00           | 91.20       | 5,476.40              | -15.65       | 743.18       | 247.44                  | 1.48                    | 0.85                   | 4.79                  |
| 5,694.00              | 13.00           | 89.40       | 5,568.58              | -15.80       | 766.16       | 255.41                  | 2.15                    | -2.11                  | -1.89                 |
| 5,788.00              | 13.00           | 95.90       | 5,660.17              | -16.77       | 787.25       | 261.93                  | 1.55                    | 0.00                   | 6.91                  |
| 5,883.00              | 12.60           | 95.60       | 5,752.81              | -18.88       | 808.19       | 267.35                  | 0.43                    | -0.42                  | -0.32                 |
| 5,977.00              | 14.40           | 91.30       | 5,844.21              | -20.15       | 830.08       | 273.88                  | 2.19                    | 1.91                   | -4.57                 |
| 6,071.00              | 17.30           | 100.00      | 5,934.64              | -22.84       | 855.54       | 280.34                  | 3.98                    | 3.09                   | 9.26                  |
| 6,166.00              | 19.40           | 99.80       | 6,024.81              | -27.98       | 885.00       | 285.92                  | 2.21                    | 2.21                   | -0.21                 |
| 6,260.00              | 15.50           | 93.90       | 6,114.47              | -31.49       | 912.93       | 292.48                  | 4.55                    | -4.15                  | -6.28                 |
| 6,354.00              | 14.80           | 96.20       | 6,205.20              | -33.64       | 937.40       | 299.10                  | 0.98                    | -0.74                  | 2.45                  |
| 6,449.00              | 13.10           | 96.40       | 6,297.40              | -36.15       | 960.16       | 304.78                  | 1.79                    | -1.79                  | 0.21                  |
| 6,543.00              | 12.10           | 100.20      | 6,389.13              | -39.09       | 980.44       | 309.19                  | 1.38                    | -1.06                  | 4.04                  |
| 6,637.00              | 14.20           | 104.90      | 6,480.87              | -43.80       | 1,001.28     | 312.13                  | 2.51                    | 2.23                   | 5.00                  |
| 6,732.00              | 14.00           | 102.90      | 6,572.80              | -49.36       | 1,023.75     | 314.85                  | 0.55                    | -0.21                  | -2.11                 |
| 6,763.00              | 14.50           | 96.00       | 6,602.85              | -50.60       | 1,031.26     | 316.33                  | 5.71                    | 1.61                   | -22.26                |
| 6,795.00              | 16.50           | 89.00       | 6,633.69              | -50.94       | 1,039.79     | 319.02                  | 8.55                    | 6.25                   | -21.88                |
| 6,826.00              | 17.70           | 89.40       | 6,663.32              | -50.81       | 1,048.90     | 322.35                  | 3.89                    | 3.87                   | 1.29                  |
| 6,857.00              | 17.80           | 89.80       | 6,692.84              | -50.75       | 1,058.35     | 325.75                  | 0.51                    | 0.32                   | 1.29                  |
| 6,889.00              | 18.90           | 85.50       | 6,723.22              | -50.32       | 1,068.41     | 329.69                  | 5.45                    | 3.44                   | -13.44                |
| 6,920.00              | 19.10           | 80.20       | 6,752.53              | -49.07       | 1,078.42     | 334.40                  | 5.60                    | 0.65                   | -17.10                |
| 6,951.00              | 20.00           | 76.20       | 6,781.74              | -46.94       | 1,088.56     | 339.97                  | 5.20                    | 2.90                   | -12.90                |
| 6,983.00              | 19.50           | 72.80       | 6,811.86              | -44.05       | 1,098.98     | 346.34                  | 3.91                    | -1.56                  | -10.63                |
| 7,014.00              | 19.50           | 63.30       | 6,841.09              | -40.20       | 1,108.55     | 353.32                  | 10.22                   | 0.00                   | -30.65                |
| 7,046.00              | 20.70           | 48.50       | 6,871.16              | -34.05       | 1,117.56     | 362.26                  | 16.29                   | 3.75                   | -46.25                |
| 7,077.00              | 23.00           | 33.80       | 6,899.96              | -25.38       | 1,125.04     | 373.01                  | 19.08                   | 7.42                   | -47.42                |
| 7,109.00              | 23.00           | 26.60       | 6,929.42              | -14.59       | 1,131.32     | 385.32                  | 8.79                    | 0.00                   | -22.50                |
| 7,140.00              | 28.00           | 26.20       | 6,957.39              | -2.64        | 1,137.25     | 398.59                  | 16.14                   | 16.13                  | -1.29                 |
| 7,171.00              | 28.70           | 21.60       | 6,984.67              | 10.81        | 1,143.20     | 413.28                  | 7.40                    | 2.26                   | -14.84                |
| 7,203.00              | 28.90           | 23.40       | 7,012.72              | 25.06        | 1,149.10     | 428.69                  | 2.78                    | 0.63                   | 5.63                  |
| 7,234.00              | 33.80           | 21.10       | 7,039.18              | 39.98        | 1,155.13     | 444.80                  | 16.27                   | 15.81                  | -7.42                 |
| 7,266.00              | 38.40           | 17.30       | 7,065.04              | 57.79        | 1,161.35     | 463.63                  | 15.98                   | 14.38                  | -11.88                |
| 7,297.00              | 41.20           | 21.80       | 7,088.85              | 76.47        | 1,168.00     | 483.46                  | 12.95                   | 9.03                   | 14.52                 |
| 7,329.00              | 43.10           | 26.70       | 7,112.58              | 96.03        | 1,176.83     | 504.88                  | 11.86                   |                        |                       |
| 7,360.00              | 42.30           | 23.40       | 7,135.37              | 115.07       | 1,185.74     | 525.83                  | 7.67                    |                        |                       |

Projection to TD - 7360.00' MD

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| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                        |
|-----------------------|-----------------------|-------------------|--------------|--------------------------------|
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                |
| 7,360.00              | 7,135.37              | 115.07            | 1,185.74     | Projection to TD - 7360.00' MD |



## Trans Energy Inc.

Marshall County, West Virginia (NAD 27)

Woodruff

2H

Wellbore #2

Survey: MS MWD

## Standard Survey Report

05 March, 2014



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|                  |   |                                     |                              |
|------------------|---|-------------------------------------|------------------------------|
| <b>Company:</b>  | Trans Energy Inc.                       | <b>Local Co-ordinate Reference:</b> | Well 2H                      |
| <b>Project:</b>  | Marshall County, West Virginia (NAD 27) | <b>TVD Reference:</b>               | WELL @ 1488.00usft (H&P 285) |
| <b>Site:</b>     | Woodruff                                | <b>MD Reference:</b>                | WELL @ 1488.00usft (H&P 285) |
| <b>Well:</b>     | 2H                                      | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | Wellbore #2                             | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | Surveys                                 | <b>Database:</b>                    | EDM 5000 Conroe Server       |

|                    |   |                      |                |
|--------------------|---|----------------------|----------------|
| <b>Project</b>     | Marshall County, West Virginia (NAD 27) |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution)    | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)                 |                      |                |
| <b>Map Zone:</b>   | West Virginia North 4701                |                      |                |

|                             |             |           |                            |                   |                      |                  |
|-----------------------------|-------------|-----------|----------------------------|-------------------|----------------------|------------------|
| <b>Well</b>                 | 2H          |           |                            |                   |                      |                  |
| <b>Well Position</b>        | <b>+N-S</b> | 0.00 usft | <b>Northing:</b>           | 495,714.42 usft   | <b>Latitude:</b>     | 39° 51' 23.358 N |
|                             | <b>+E-W</b> | 0.00 usft | <b>Easting:</b>            | 1,711,771.06 usft | <b>Longitude:</b>    | 80° 31' 36.092 W |
| <b>Position Uncertainty</b> |             | 0.00 usft | <b>Wellhead Elevation:</b> | usft              | <b>Ground Level:</b> | 1,468.00 usft    |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #2       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | WMM_2010          | 01/20/14           | -8.77                  | 67.26                | 52,595                     |

|                          |                                |                    |                    |                      |          |
|--------------------------|--------------------------------|--------------------|--------------------|----------------------|----------|
| <b>Design</b>            | Surveys                        |                    |                    |                      |          |
| <b>Audit Notes:</b>      |                                |                    |                    |                      |          |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>      | ACTUAL             | <b>Tie On Depth:</b> | 6,795.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N-S (usft)</b> | <b>+E-W (usft)</b> | <b>Direction (°)</b> |          |
|                          | 0.00                           | 0.00               | 0.00               | 42.34                |          |

|                       |                  |                          |                  |                    |  |
|-----------------------|------------------|--------------------------|------------------|--------------------|--|
| <b>Survey Program</b> | Date 03/05/14    |                          |                  |                    |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |  |
| 171.00                | 6,795.00         | MS MWD (Wellbore #1)     | MWD              | MWD - Standard     |  |
| 6,824.00              | 12,050.00        | MS MWD (Wellbore #2)     | MWD              | MWD - Standard     |  |

| Measured Depth (usft)                 | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N-S (usft) | +E-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
|---------------------------------------|-----------------|-------------|-----------------------|-------------|-------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| 6,795.00                              | 16.50           | 89.00       | 6,633.69              | -50.94      | 1,039.79    | 662.61                  | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Tie-In to MS MWD - 6795.00' MD</b> |                 |             |                       |             |             |                         |                         |                        |                       |  |
| 6,824.00                              | 32.00           | 29.90       | 6,660.39              | -44.08      | 1,047.89    | 673.14                  | 93.36                   | 53.45                  | -203.79               |  |
| 6,855.00                              | 34.60           | 21.50       | 6,686.31              | -28.76      | 1,055.21    | 689.40                  | 17.06                   | 10.00                  | -27.10                |  |
| 6,887.00                              | 36.40           | 14.40       | 6,712.37              | -11.10      | 1,060.91    | 706.29                  | 14.05                   | 5.63                   | -27.10                |  |
| 6,918.00                              | 37.80           | 6.00        | 6,737.11              | 7.27        | 1,064.19    | 722.08                  | 16.95                   | 4.52                   | -27.10                |  |
| 6,950.00                              | 40.70           | 0.70        | 6,761.90              | 27.47       | 1,065.34    | 737.78                  | 13.85                   | 0.06                   | -16.56                |  |
| 6,981.00                              | 43.80           | 0.20        | 6,784.84              | 48.31       | 1,065.51    | 753.29                  | 10.06                   | 10.00                  | -1.61                 |  |
| 7,012.00                              | 47.30           | 3.80        | 6,806.55              | 70.41       | 1,066.30    | 770.17                  | 14.08                   | 11.29                  | -11.61                |  |
| 7,044.00                              | 52.40           | 6.00        | 6,827.18              | 94.77       | 1,068.40    | 789.59                  | 16.78                   | 5.81                   | 6.88                  |  |
| 7,075.00                              | 55.90           | 6.90        | 6,845.33              | 119.73      | 1,071.23    | 809.95                  | 14.53                   | 11.29                  | 2.90                  |  |
| 7,107.00                              | 56.80           | 5.40        | 6,863.06              | 146.21      | 1,074.08    | 831.45                  | 4.81                    | 2.81                   | 6.88                  |  |
| 7,138.00                              | 57.50           | 6.10        | 6,879.88              | 172.13      | 1,076.69    | 852.36                  | 2.95                    | 2.26                   | 2.20                  |  |
| 7,170.00                              | 58.10           | 5.60        | 6,896.93              | 199.06      | 1,079.45    | 874.13                  | 2.29                    | 1.88                   | -1.56                 |  |
| 7,201.00                              | 58.60           | 4.60        | 6,913.20              | 225.35      | 1,081.80    | 895.14                  | 3.18                    | 1.61                   | -3.23                 |  |

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Survey Report

|                  |   |                                     |                              |
|------------------|---|-------------------------------------|------------------------------|
| <b>Company:</b>  | Trans Energy Inc.                       | <b>Local Co-ordinate Reference:</b> | Well 2H                      |
| <b>Project:</b>  | Marshall County, West Virginia (NAD 27) | <b>TVD Reference:</b>               | WELL @ 1488.00usft (H&P 285) |
| <b>Site:</b>     | Woodruff                                | <b>MD Reference:</b>                | WELL @ 1488.00usft (H&P 285) |
| <b>Well:</b>     | 2H                                      | <b>North Reference</b>              | Grid                         |
| <b>Wellbore:</b> | Wellbore #2                             | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | Surveys                                 | <b>Database:</b>                    | EDM 5000 Conroe Server       |

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 7,233.00              | 59.00           | 5.10        | 6,929.78              | 252.62       | 1,084.11     | 916.86                  | 1.83                    | 1.25                   | 1.56                  |
| 7,264.00              | 60.30           | 5.90        | 6,945.44              | 279.25       | 1,086.58     | 938.27                  | 4.75                    | 4.19                   | 2.58                  |
| 7,296.00              | 61.80           | 9.20        | 6,960.93              | 307.00       | 1,090.36     | 961.26                  | 10.17                   | 4.69                   | 10.31                 |
| 7,327.00              | 62.30           | 9.60        | 6,975.46              | 334.02       | 1,094.83     | 984.25                  | 1.97                    | 1.61                   | 1.29                  |
| 7,359.00              | 62.70           | 10.60       | 6,990.24              | 361.96       | 1,099.91     | 1,008.26                | 3.04                    | 1.25                   | 3.13                  |
| 7,390.00              | 63.70           | 14.70       | 7,004.22              | 388.95       | 1,105.97     | 1,032.29                | 12.24                   | 3.23                   | 13.23                 |
| 7,422.00              | 64.00           | 15.80       | 7,018.32              | 416.66       | 1,113.43     | 1,057.86                | 3.22                    | 0.94                   | 3.44                  |
| 7,453.00              | 64.30           | 16.10       | 7,031.84              | 443.49       | 1,121.10     | 1,082.86                | 1.30                    | 0.97                   | 0.97                  |
| 7,485.00              | 64.40           | 15.40       | 7,045.89              | 471.25       | 1,128.93     | 1,108.65                | 2.00                    | 0.31                   | -2.19                 |
| 7,516.00              | 64.40           | 15.40       | 7,059.09              | 498.20       | 1,136.35     | 1,133.58                | 0.00                    | 0.00                   | 0.00                  |
| 7,547.00              | 66.10           | 15.30       | 7,072.06              | 525.35       | 1,143.80     | 1,158.66                | 5.49                    | 5.48                   | -0.32                 |
| 7,579.00              | 67.60           | 16.00       | 7,084.64              | 553.68       | 1,151.74     | 1,184.95                | 5.10                    | 4.69                   | 2.19                  |
| 7,610.00              | 68.20           | 16.60       | 7,096.31              | 581.25       | 1,159.80     | 1,210.76                | 2.64                    | 1.94                   | 1.94                  |
| 7,642.00              | 69.80           | 16.41       | 7,107.77              | 609.89       | 1,168.29     | 1,237.65                | 5.03                    | 5.00                   | -0.59                 |
| 7,673.00              | 73.40           | 14.40       | 7,117.56              | 638.24       | 1,176.09     | 1,263.86                | 13.14                   | 11.61                  | -6.48                 |
| 7,704.00              | 74.30           | 14.90       | 7,126.18              | 667.05       | 1,183.63     | 1,290.23                | 3.29                    | 2.90                   | 1.61                  |
| 7,736.00              | 74.60           | 13.60       | 7,134.76              | 696.93       | 1,191.21     | 1,317.43                | 4.02                    | 0.94                   | -4.06                 |
| 7,767.00              | 76.50           | 10.70       | 7,142.50              | 726.27       | 1,197.53     | 1,343.37                | 10.94                   | 6.13                   | -9.35                 |
| 7,799.00              | 77.40           | 10.10       | 7,149.72              | 756.93       | 1,203.15     | 1,369.83                | 3.35                    | 2.81                   | -1.88                 |
| 7,830.00              | 78.20           | 8.70        | 7,156.27              | 786.83       | 1,208.10     | 1,395.26                | 5.11                    | 2.58                   | -4.52                 |
| 7,862.00              | 82.40           | 6.10        | 7,161.67              | 818.10       | 1,212.16     | 1,421.10                | 15.37                   | 13.13                  | -8.13                 |
| 7,893.00              | 85.30           | 4.10        | 7,164.99              | 848.79       | 1,214.90     | 1,445.64                | 11.34                   | 9.35                   | -6.45                 |
| 7,925.00              | 86.00           | 4.50        | 7,167.41              | 880.61       | 1,217.29     | 1,470.77                | 2.52                    | 2.19                   | 1.25                  |
| 7,956.00              | 86.60           | 5.20        | 7,169.41              | 911.43       | 1,219.91     | 1,495.32                | 2.97                    | 1.94                   | 2.26                  |
| 7,988.00              | 87.10           | 5.40        | 7,171.17              | 943.25       | 1,222.86     | 1,520.82                | 1.68                    | 1.56                   | 0.63                  |
| 8,019.00              | 86.20           | 4.40        | 7,172.98              | 974.08       | 1,225.50     | 1,545.39                | 4.34                    | -2.90                  | -3.23                 |
| 8,050.00              | 84.40           | 4.50        | 7,175.52              | 1,004.88     | 1,227.90     | 1,569.78                | 5.82                    | -5.81                  | 0.32                  |
| 8,145.00              | 90.80           | 5.30        | 7,179.50              | 1,099.40     | 1,236.00     | 1,645.11                | 6.79                    | 6.74                   | 0.84                  |
| 8,241.00              | 91.70           | 5.80        | 7,177.41              | 1,194.93     | 1,245.28     | 1,721.97                | 1.07                    | 0.94                   | 0.52                  |
| 8,336.00              | 89.60           | 4.30        | 7,176.33              | 1,289.55     | 1,253.65     | 1,797.54                | 2.72                    | -2.21                  | -1.58                 |
| 8,430.00              | 90.10           | 3.80        | 7,176.57              | 1,383.31     | 1,260.28     | 1,871.33                | 0.75                    | 0.53                   | -0.53                 |
| 8,524.00              | 90.40           | 3.80        | 7,176.16              | 1,477.10     | 1,266.51     | 1,944.86                | 0.32                    | 0.32                   | 0.00                  |
| 8,619.00              | 91.00           | 3.60        | 7,175.00              | 1,571.90     | 1,272.64     | 2,019.06                | 0.67                    | 0.63                   | 0.21                  |
| 8,713.00              | 91.30           | 3.80        | 7,173.12              | 1,665.68     | 1,278.71     | 2,092.47                | 0.38                    | 0.21                   | 0.21                  |
| 8,807.00              | 91.50           | 4.10        | 7,170.82              | 1,759.43     | 1,285.18     | 2,166.13                | 0.38                    | 0.21                   | -2.77                 |
| 8,901.00              | 89.60           | 1.50        | 7,169.92              | 1,853.30     | 1,289.77     | 2,238.61                | 3.43                    | 0.21                   | 0.21                  |
| 8,996.00              | 90.00           | 1.30        | 7,170.25              | 1,948.27     | 1,292.09     | 2,310.38                | 0.47                    | 0.42                   | 0.32                  |
| 9,090.00              | 90.50           | 1.60        | 7,169.84              | 2,042.24     | 1,294.47     | 2,381.44                | 0.62                    | 0.53                   | 0.11                  |
| 9,184.00              | 88.40           | 1.70        | 7,170.74              | 2,136.19     | 1,297.18     | 2,452.72                | 2.66                    | 2.24                   | 0.89                  |
| 9,279.00              | 86.30           | 3.10        | 7,175.13              | 2,231.00     | 1,301.15     | 2,525.47                | 2.66                    | 0.21                   | 0.21                  |
| 9,373.00              | 86.50           | 3.10        | 7,181.04              | 2,324.68     | 1,306.22     | 2,598.14                | 0.21                    | 0.21                   | 0.21                  |
| 9,468.00              | 89.10           | 3.40        | 7,184.68              | 2,419.45     | 1,311.61     | 2,671.82                | 2.75                    | 2.74                   | 0.32                  |
| 9,562.00              | 90.20           | 3.20        | 7,185.26              | 2,513.29     | 1,317.02     | 2,744.83                | 1.19                    | 1.17                   | -0.21                 |

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Survey Report

|                  |   |                                     |                              |
|------------------|---|-------------------------------------|------------------------------|
| <b>Company:</b>  | Trans Energy Inc.                       | <b>Local Co-ordinate Reference:</b> | Well 2H                      |
| <b>Project:</b>  | Marshall County, West Virginia (NAD 27) | <b>TVD Reference:</b>               | WELL @ 1488.00usft (H&P 285) |
| <b>Site:</b>     | Woodruff                                | <b>MD Reference:</b>                | WELL @ 1488.00usft (H&P 285) |
| <b>Well:</b>     | 2H                                      | <b>North Reference:</b>             | Grid                         |
| <b>Wellbore:</b> | Wellbore #2                             | <b>Survey Calculation Method:</b>   | Minimum Curvature            |
| <b>Design:</b>   | Surveys                                 | <b>Database:</b>                    | EDM 5000 Conroe Server       |

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 9,656.00              | 92.00           | 3.80        | 7,183.45              | 2,607.09     | 1,322.75     | 2,818.03                | 2.02                    | 1.91                   | 0.64                  |
| 9,751.00              | 90.20           | 3.10        | 7,181.63              | 2,701.90     | 1,328.47     | 2,891.96                | 2.03                    | -1.89                  | -0.74                 |
| 9,845.00              | 90.80           | 2.40        | 7,180.81              | 2,795.78     | 1,332.98     | 2,964.40                | 0.98                    | 0.64                   | -0.74                 |
| 9,939.00              | 90.60           | 1.60        | 7,179.66              | 2,889.72     | 1,336.26     | 3,036.05                | 0.88                    | -0.21                  | -0.85                 |
| 10,034.00             | 88.70           | 0.20        | 7,180.24              | 2,984.70     | 1,337.75     | 3,107.27                | 2.48                    | -2.00                  | -1.47                 |
| 10,128.00             | 88.50           | 3.90        | 7,182.54              | 3,078.59     | 1,341.11     | 3,178.94                | 3.94                    | -0.21                  | 3.94                  |
| 10,222.00             | 90.40           | 4.50        | 7,183.44              | 3,172.33     | 1,348.00     | 3,252.87                | 2.12                    | 2.02                   | 0.64                  |
| 10,316.00             | 91.60           | 5.50        | 7,181.80              | 3,265.96     | 1,356.19     | 3,327.59                | 1.66                    | 1.28                   | 1.06                  |
| 10,410.00             | 92.30           | 4.50        | 7,178.60              | 3,359.54     | 1,364.38     | 3,402.29                | 1.30                    | 0.74                   | -1.06                 |
| 10,505.00             | 91.20           | 4.60        | 7,175.70              | 3,454.20     | 1,371.61     | 3,477.33                | 1.16                    | -1.16                  | 0.11                  |
| 10,599.00             | 87.30           | 1.90        | 7,176.93              | 3,548.01     | 1,377.24     | 3,550.27                | 5.05                    | -4.15                  | -2.87                 |
| 10,693.00             | 87.80           | 2.20        | 7,180.95              | 3,641.87     | 1,380.60     | 3,621.91                | 0.62                    | 0.53                   | 0.32                  |
| 10,788.00             | 89.00           | 4.00        | 7,183.60              | 3,736.68     | 1,385.73     | 3,695.46                | 2.28                    | 1.26                   | 1.89                  |
| 10,882.00             | 90.80           | 2.90        | 7,183.77              | 3,830.51     | 1,391.39     | 3,768.62                | 2.24                    | 1.91                   | -1.17                 |
| 10,977.00             | 93.20           | 2.80        | 7,180.45              | 3,925.33     | 1,396.11     | 3,841.89                | 2.53                    | 2.53                   | -0.11                 |
| 11,071.00             | 93.30           | 3.30        | 7,175.12              | 4,019.04     | 1,401.10     | 3,914.53                | 0.54                    | 0.11                   | 0.53                  |
| 11,165.00             | 91.00           | 3.60        | 7,171.60              | 4,112.80     | 1,406.75     | 3,987.65                | 2.47                    | -2.45                  | 0.32                  |
| 11,270.00             | 90.50           | 3.60        | 7,170.22              | 4,217.58     | 1,413.35     | 4,069.54                | 0.48                    | -0.48                  | 0.00                  |
| 11,354.00             | 89.80           | 2.30        | 7,170.00              | 4,301.47     | 1,417.67     | 4,134.46                | 1.76                    | -0.83                  | -1.55                 |
| 11,448.00             | 89.60           | 2.50        | 7,170.49              | 4,395.39     | 1,421.61     | 4,206.54                | 0.30                    | -0.21                  | 0.21                  |
| 11,543.00             | 89.30           | 2.40        | 7,171.40              | 4,490.29     | 1,425.67     | 4,279.43                | 0.33                    | -0.32                  | -0.11                 |
| 11,637.00             | 88.80           | 3.10        | 7,172.96              | 4,584.17     | 1,430.18     | 4,351.86                | 0.92                    | -0.53                  | 0.74                  |
| 11,731.00             | 90.20           | 6.20        | 7,173.78              | 4,677.85     | 1,437.79     | 4,426.24                | 3.62                    | 1.49                   | 3.30                  |
| 11,826.00             | 90.40           | 5.60        | 7,173.29              | 4,772.34     | 1,447.56     | 4,502.67                | 0.67                    | 0.21                   | -0.63                 |
| 11,920.00             | 90.20           | 6.70        | 7,172.79              | 4,865.80     | 1,457.63     | 4,578.54                | 1.19                    | -0.21                  | 1.17                  |
| 11,985.00             | 91.00           | 6.40        | 7,172.11              | 4,930.37     | 1,465.04     | 4,631.26                | 1.31                    | 1.23                   | -0.46                 |
| 12,050.00             | 91.00           | 6.40        | 7,170.98              | 4,994.95     | 1,472.29     | 4,683.88                | 0.00                    | 0.00                   | 0.00                  |

Projection to TD - 12050.00' MD

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                         |
|-----------------------|-----------------------|-------------------|--------------|---------------------------------|
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                 |
| 6,795.00              | 6,633.69              | -50.94            | 1,039.79     | Tie-In to MS MWD - 6795.00' MD  |
| 12,050.00             | 7,170.98              | 4,994.95          | 1,472.29     | Projection to TD - 12050.00' MD |