



**RECEIVED**

**JAN 21 2020**

**EMNRD-OCD ARTESIA**

Ultra Management Services, LLC.  
4702 N. Bryant Blvd.  
San Angelo, TX 76903

Oil Company: XTO Energy Inc.

Referenced Well: Big Eddy Unit D14 267H

API #: 30-015-43284

County: Eddy County, NM

Dates Ran:

Start Date: 04/04/2019

End Date: 04/15/2019

Depths Ran: 0' – 4275'

Surveyor / Supervisor: Heath Andrew

I, Heath Andrew, certify that Ultra Management Services, LLC supervised the taking of surveys on the above referenced well on the dates stated; that the data is true, correct, complete, and within the limitations of the tool as set forth by Ultra Management Services, LLC; that I am authorized and qualified to make this report; that the survey was conducted at the request of XTO Energy Inc; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Ultra Management Services, LLC. All Surveys were taken with reference to Grid North.

A handwritten signature in black ink, appearing to be "Heath Andrew", written over a horizontal line.

Surveyor  
Heath Andrew

Field: Eddy County, NM  
 Site: BIG EDDY UNIT DI4 267H  
 Well Name: BEU DI4 267H

(NAD 27) NMEZ Grid

WELL INFORMATION

API number:  
 Engineer:  
 State:  
 County:  
 Depth Unit: usft  
 Datum elevation: 3483  
 VSect.Azimuth: 270.35  
 VSect.North: 0  
 VSect.East: 0  
 Survey Name: 267H As Drilled  
 Survey Date: 4/21/19  
 Geomagnetic Date: 3/21/19  
 Extract Date: 4/30/19

| Seq # | Measured depth (ft) | Incl angle (deg) | Azimuth angle (deg) | Course length (ft) | TVD depth (ft) | Vertical section (ft) | Displ +N/-S- (ft) | Displ +E/-W- (ft) | Total displ (ft) | At Azim (deg) | DLS (deg/100ft) | X (ft)     | Y (ft)       | Survey     | Tool |
|-------|---------------------|------------------|---------------------|--------------------|----------------|-----------------------|-------------------|-------------------|------------------|---------------|-----------------|------------|--------------|------------|------|
| 1     | 0                   | 0                | 0                   | 0                  | 0              | 0                     | 0                 | 0                 | 0                | 0             | 0               | 0          | 636814.3 E   | 582340.6 N |      |
| 2     | 77                  | 0.3              | 6.3                 | 77                 | 77             | -0.02                 | 0.2               | 0.02              | 0.2              | 6.3           | 0.39            | 636814.3 E | 582340.8 N   |            |      |
| 3     | 181                 | 0.1              | 345.9               | 104                | 181            | -0.03                 | 0.56              | 0.03              | 0.56             | 3.06          | 0.2             | 636814.3 E | 582341.159 N |            |      |
| 4     | 285                 | 0.6              | 321.8               | 104                | 285            | 0.34                  | 1.07              | -0.33             | 1.12             | 342.98        | 0.49            | 636814 E   | 582341.675 N |            |      |
| 5     | 378                 | 0.7              | 280.2               | 93                 | 377.99         | 1.2                   | 1.56              | -1.19             | 1.96             | 322.65        | 0.51            | 636813.1 E | 582342.158 N |            |      |
| 6     | 467                 | 0.6              | 265                 | 89                 | 466.99         | 2.2                   | 1.61              | -2.19             | 2.72             | 306.41        | 0.22            | 636812.1 E | 582342.214 N |            |      |
| 7     | 554                 | 0.9              | 240.8               | 87                 | 553.98         | 3.25                  | 1.24              | -3.24             | 3.47             | 290.96        | 0.49            | 636811.1 E | 582341.841 N |            |      |
| 8     | 639                 | 0.3              | 20.6                | 85                 | 638.98         | 3.75                  | 1.12              | -3.74             | 3.91             | 286.71        | 1.35            | 636810.6 E | 582341.723 N |            |      |
| 9     | 745                 | 0.4              | 232.5               | 106                | 744.97         | 3.95                  | 1.16              | -3.94             | 4.11             | 286.38        | 0.64            | 636810.4 E | 582341.758 N |            |      |
| 10    | 834                 | 0.3              | 252.8               | 89                 | 833.97         | 4.41                  | 0.9               | -4.41             | 4.5              | 281.54        | 0.18            | 636809.9 E | 582341.5 N   |            |      |
| 11    | 924                 | 0.1              | 332.7               | 90                 | 923.97         | 4.67                  | 0.9               | -4.67             | 4.76             | 280.91        | 0.33            | 636809.6 E | 582341.5 N   |            |      |
| 12    | 1013                | 0.4              | 241.7               | 89                 | 1012.97        | 4.98                  | 0.82              | -4.98             | 5.05             | 279.37        | 0.47            | 636809.3 E | 582341.422 N |            |      |
| 13    | 1103                | 0.1              | 332.7               | 90                 | 1102.97        | 5.3                   | 0.74              | -5.29             | 5.34             | 277.99        | 0.46            | 636809 E   | 582341.343 N |            |      |
| 14    | 1192                | 0                | 0                   | 89                 | 1191.97        | 5.33                  | 0.81              | -5.33             | 5.39             | 278.66        | 0.11            | 636809 E   | 582341.412 N |            |      |
| 15    | 1282                | 0.2              | 248.5               | 90                 | 1281.97        | 5.48                  | 0.75              | -5.47             | 5.52             | 277.85        | 0.22            | 636808.8 E | 582341.354 N |            |      |
| 16    | 1372                | 0.2              | 18.5                | 90                 | 1371.97        | 5.57                  | 0.85              | -5.57             | 5.63             | 278.63        | 0.4             | 636808.7 E | 582341.446 N |            |      |
| 17    | 1461                | 0.3              | 305.9               | 89                 | 1460.97        | 5.72                  | 1.13              | -5.71             | 5.82             | 281.19        | 0.34            | 636808.6 E | 582341.729 N |            |      |
| 18    | 1551                | 0.6              | 352.9               | 90                 | 1550.97        | 5.97                  | 1.74              | -5.96             | 6.21             | 286.24        | 0.5             | 636808.3 E | 582342.335 N |            |      |
| 19    | 1641                | 0.7              | 15.1                | 90                 | 1640.96        | 5.89                  | 2.73              | -5.87             | 6.48             | 294.96        | 0.3             | 636808.4 E | 582343.334 N |            |      |
| 20    | 1730                | 1.1              | 53.5                | 89                 | 1729.95        | 5.07                  | 3.77              | -5.04             | 6.3              | 306.75        | 0.79            | 636809.3 E | 582344.367 N |            |      |
| 21    | 1820                | 1.7              | 66.5                | 90                 | 1819.92        | 3.16                  | 4.81              | -3.13             | 5.74             | 327           | 0.75            | 636811.2 E | 582345.413 N |            |      |
| 22    | 1909                | 1.8              | 95.2                | 89                 | 1908.88        | 0.55                  | 5.21              | -0.52             | 5.24             | 354.27        | 0.98            | 636813.8 E | 582345.813 N |            |      |
| 23    | 1999                | 2.6              | 89.9                | 90                 | 1998.82        | -2.89                 | 5.09              | 2.93              | 5.87             | 29.9          | 0.92            | 636817.2 E | 582345.688 N |            |      |
| 24    | 2089                | 2.1              | 63.9                | 90                 | 2088.74        | -6.41                 | 5.82              | 6.45              | 8.68             | 47.95         | 1.29            | 636820.7 E | 582346.417 N |            |      |
| 25    | 2133                | 1.8              | 31.6                | 44                 | 2132.72        | -7.49                 | 6.76              | 7.53              | 10.12            | 48.1          | 2.55            | 636821.8 E | 582347.36 N  |            |      |
| 26    | 2178                | 2                | 43.1                | 45                 | 2177.69        | -8.39                 | 7.94              | 8.44              | 11.59            | 46.77         | 0.95            | 636822.7 E | 582348.536 N |            |      |
| 27    | 2268                | 2                | 36                  | 90                 | 2267.64        | -10.37                | 10.35             | 10.44             | 14.7             | 45.23         | 0.28            | 636824.7 E | 582350.953 N |            |      |
| 28    | 2357                | 2.5              | 292.3               | 89                 | 2356.6         | -9.48                 | 12.35             | 9.55              | 15.61            | 37.73         | 3.99            | 636823.9 E | 582352.947 N |            |      |
| 29    | 2414                | 2.3              | 292.9               | 57                 | 2413.55        | -7.27                 | 13.26             | 7.35              | 15.16            | 28.99         | 0.35            | 636821.7 E | 582353.863 N |            |      |
| 30    | 2541                | 1.9              | 281.6               | 127                | 2540.46        | -2.85                 | 14.68             | 2.94              | 14.97            | 11.33         | 0.45            | 636817.2 E | 582355.278 N |            |      |
| 31    | 2630                | 2.2              | 283.7               | 89                 | 2629.41        | 0.26                  | 15.38             | -0.16             | 15.38            | 359.39        | 0.35            | 636814.1 E | 582355.98 N  |            |      |
| 32    | 2720                | 2.2              | 283.18              | 90                 | 2719.34        | 3.62                  | 16.18             | -3.52             | 16.56            | 347.71        | 0.02            | 636810.8 E | 582356.783 N |            |      |
| 33    | 2809                | 2.24             | 282.92              | 89                 | 2808.27        | 6.99                  | 16.96             | -6.88             | 18.3             | 337.91        | 0.05            | 636807.4 E | 582357.561 N |            |      |
| 34    | 2899                | 2.24             | 282.6               | 90                 | 2898.21        | 10.42                 | 17.74             | -10.31            | 20.52            | 329.82        | 0.01            | 636804 E   | 582358.338 N |            |      |
| 35    | 2989                | 1.4              | 252.2               | 90                 | 2988.16        | 13.19                 | 17.79             | -13.08            | 22.08            | 323.67        | 1.39            | 636801.2 E | 582358.385 N |            |      |
| 36    | 3078                | 1.36             | 248.82              | 89                 | 3077.14        | 15.2                  | 17.07             | -15.1             | 22.79            | 318.51        | 0.1             | 636799.2 E | 582357.672 N |            |      |
| 37    | 3168                | 1.32             | 263.58              | 90                 | 3167.11        | 17.22                 | 16.57             | -17.12            | 23.83            | 314.06        | 0.38            | 636797.2 E | 582357.17 N  |            |      |
| 38    | 3258                | 1.41             | 263.84              | 90                 | 3257.09        | 19.35                 | 16.33             | -19.25            | 25.25            | 310.31        | 0.1             | 636795 E   | 582356.935 N |            |      |
| 39    | 3347                | 1.41             | 263.67              | 89                 | 3346.06        | 21.53                 | 16.1              | -21.43            | 26.8             | 306.91        | 0               | 636792.9 E | 582356.697 N |            |      |
| 40    | 3437                | 1.36             | 261.65              | 90                 | 3436.03        | 23.69                 | 15.82             | -23.59            | 28.4             | 303.85        | 0.08            | 636790.7 E | 582356.42 N  |            |      |
| 41    | 3527                | 1.49             | 260.07              | 90                 | 3526           | 25.89                 | 15.46             | -25.8             | 30.08            | 300.94        | 0.15            | 636788.5 E | 582356.063 N |            |      |
| 42    | 3616                | 1.32             | 258.13              | 89                 | 3614.98        | 28.03                 | 15.05             | -27.94            | 31.74            | 298.31        | 0.2             | 636786.4 E | 582355.652 N |            |      |
| 43    | 3706                | 1.19             | 259.63              | 90                 | 3704.96        | 29.96                 | 14.67             | -29.87            | 33.28            | 296.15        | 0.15            | 636784.4 E | 582355.271 N |            |      |

Field: Eddy County, NM  
 Site: BIG EDDY UNIT Di4 267H  
 Well Name: BEU Di4 267H

(NAD 27) NMEZ Grid

WELL INFORMATION

API number:  
 Engineer:  
 State:  
 County:  
 Depth Unit: usft  
 Datum elevation: 3483  
 VSect.Azimuth: 270.35  
 VSect.North: 0  
 VSect.East: 0  
 Survey Name: 267H As Drilled  
 Survey Date: 4/21/19  
 Geomagnetic Date: 3/21/19  
 Extract Date: 4/30/19

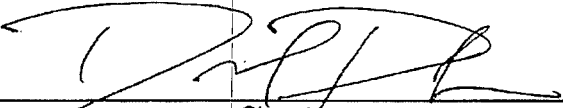
| Seq<br># | Measured<br>depth<br>(ft) | Incl<br>angle<br>(deg) | Azimuth<br>angle<br>(deg) | Course<br>length<br>(ft) | TVD<br>depth<br>(ft) | Vertical<br>section<br>(ft) | Displ<br>+N/S-<br>(ft) | Displ<br>+E/W-<br>(ft) | Total<br>displ<br>(ft) | At<br>Azim<br>(deg) | DLS<br>(deg/<br>100ft) | X<br>(ft) | Y<br>(ft) | Survey     | Tool |
|----------|---------------------------|------------------------|---------------------------|--------------------------|----------------------|-----------------------------|------------------------|------------------------|------------------------|---------------------|------------------------|-----------|-----------|------------|------|
| 44       | 3795                      | 1.1                    | 263.76                    | 89                       | 3793.94              | 31.72                       | 14.41                  | -31.63                 | 34.76                  | 294.49              | 0.14                   | 636782.7  | E         | 582355.012 | N    |
| 45       | 3885                      | 1.19                   | 259.63                    | 90                       | 3883.92              | 33.5                        | 14.15                  | -33.41                 | 36.28                  | 292.95              | 0.14                   | 636780.9  | E         | 582354.75  | N    |
| 46       | 3974                      | 1.14                   | 258.57                    | 89                       | 3972.9               | 35.27                       | 13.81                  | -35.19                 | 37.8                   | 291.42              | 0.06                   | 636779.1  | E         | 582354.408 | N    |
| 47       | 4064                      | 1.19                   | 246.18                    | 90                       | 4062.88              | 37                          | 13.25                  | -36.92                 | 39.23                  | 289.75              | 0.28                   | 636777.4  | E         | 582353.853 | N    |
| 48       | 4154                      | 1.1                    | 254.79                    | 90                       | 4152.87              | 38.69                       | 12.65                  | -38.61                 | 40.63                  | 288.14              | 0.22                   | 636775.7  | E         | 582353.249 | N    |
| 49       | 4243                      | 1.05                   | 250.48                    | 89                       | 4241.85              | 40.28                       | 12.15                  | -40.2                  | 42                     | 286.82              | 0.11                   | 636774.1  | E         | 582352.752 | N    |
| 50       | 4309                      | 1.09                   | 251.63                    | 66                       | 4307.84              | 41.44                       | 11.75                  | -41.37                 | 43                     | 285.86              | 0.07                   | 636772.9  | E         | 582352.352 | N    |



**MWD SURVEY CERTIFICATION**  
**Gordon Technologies, LLC**

State Of New Mexico  
County Of Midland

I, David Parish certify that; I am employed by Gordon Technologies, LLC.;  
that I did on the day(s) of April 20, 2019 through April 30, 2019 conduct  
or supervise the taking of a MWD survey from a depth of 4,309 feet to a depth of  
17,170 feet; that the data is true, correct, complete and within the limitations of the  
tool set forth by Gordon Technologies, LLC.; that I am authorized and qualified to make this report;  
that this survey was conducted at the request of BOBCO, L.P. (XTO Energy Inc) for the  
Big Eddy Unit D14 267H Well, A.P.I. No. 30-015-43284 in  
WC William Sink (Bone Spring) Field and that I have reviewed this report and find that  
it conforms to the principles and procedures set forth by Gordon Technologies, LLC.

  
\_\_\_\_\_  
Signature

MWD Coordinator  
\_\_\_\_\_  
Title



# Directional Survey Report

|                                              |                                   |                                  |
|----------------------------------------------|-----------------------------------|----------------------------------|
| Company: <b>BOBCO, L.P. (XTO Energy Inc)</b> | Well Surface Location             | Report Date: <b>May 01 2019</b>  |
| Well: <b>Big Eddy Unit D14 267H</b>          | Latitude: <b>32.600158</b>        | Time: <b>10:05</b>               |
| County: <b>Eddy</b>                          | Longitude: <b>-103.889067</b>     | Mag Reference: <b>Grid North</b> |
| State: <b>NM</b>                             | Reference: <b>NAD 1927</b>        | Mag Correction: <b>7.01</b>      |
| Field: <b>WC William Sink (Bone Spring)</b>  | Y (Northing): <b>582335.5</b>     | Vert Sect. Azi: <b>270.45</b>    |
| API: <b>30-015-43284</b>                     | X (Easting): <b>636816.5</b>      | Perm Datum: <b>Ground Level</b>  |
| Rig: <b>Precision 525</b>                    | Field Engr: <b>Michael Thames</b> | Depth Ref: <b>Rotary Table</b>   |
| Service Co: <b>Gordon Technologies, LLC.</b> | <b>Michael Stanley</b>            | RKB Height: <b>18</b>            |
| Job #: <b>GT190337</b>                       |                                   | GL Elev: <b>3465</b>             |
| Survey Calc: <b>Minimum Curvature</b>        |                                   |                                  |

| Survey | MD      | Inc  | Azimuth | TVD     | VS    | Rectangular Offsets |        | Course | Closure |        |          |         | Source    |
|--------|---------|------|---------|---------|-------|---------------------|--------|--------|---------|--------|----------|---------|-----------|
| Tie In | 4243    | 1.05 | 250.48  | 4241.85 | 40.29 | NS                  | EW     | Length | DLS     | Temp   | Distance | Azimuth |           |
| 1      | 4309.00 | 1.09 | 251.63  | 4307.84 | 41.46 | 11.75               | -41.37 | 66.00  | 0.07    | 99.14  | 43.00    | 285.86  | MWD Run 1 |
| 2      | 4353.00 | 1.14 | 254.96  | 4351.83 | 42.27 | 11.50               | -42.19 | 44.00  | 0.19    | 99.14  | 43.73    | 285.25  | MWD Run 1 |
| 3      | 4443.00 | 1.60 | 38.84   | 4441.82 | 42.36 | 12.25               | -42.26 | 90.00  | 2.90    | 106.29 | 44.00    | 286.17  | MWD Run 1 |
| 4      | 4533.00 | 1.51 | 36.80   | 4531.79 | 40.87 | 14.18               | -40.76 | 90.00  | 0.12    | 106.29 | 43.16    | 289.18  | MWD Run 1 |
| 5      | 4622.00 | 1.61 | 38.72   | 4620.75 | 39.40 | 16.09               | -39.28 | 89.00  | 0.13    | 106.29 | 42.45    | 292.28  | MWD Run 1 |
| 6      | 4712.00 | 1.63 | 36.53   | 4710.72 | 37.87 | 18.11               | -37.73 | 90.00  | 0.07    | 113.43 | 41.85    | 295.64  | MWD Run 1 |
| 7      | 4802.00 | 1.45 | 30.72   | 4800.68 | 36.54 | 20.12               | -36.38 | 90.00  | 0.26    | 113.43 | 41.57    | 298.94  | MWD Run 1 |
| 8      | 4891.00 | 1.38 | 27.08   | 4889.66 | 35.49 | 22.04               | -35.32 | 89.00  | 0.13    | 113.43 | 41.63    | 301.96  | MWD Run 1 |
| 9      | 4981.00 | 1.04 | 141.25  | 4979.65 | 34.49 | 22.37               | -34.32 | 90.00  | 2.27    | 113.43 | 40.96    | 303.10  | MWD Run 1 |
| 10     | 5070.00 | 0.84 | 145.86  | 5068.63 | 33.61 | 21.20               | -33.44 | 89.00  | 0.24    | 113.43 | 39.60    | 302.37  | MWD Run 1 |
| 11     | 5160.00 | 0.80 | 142.46  | 5158.63 | 32.85 | 20.15               | -32.69 | 90.00  | 0.07    | 113.43 | 38.40    | 301.65  | MWD Run 1 |
| 12     | 5250.00 | 0.83 | 149.96  | 5248.62 | 32.13 | 19.09               | -31.98 | 90.00  | 0.12    | 113.43 | 37.25    | 300.83  | MWD Run 1 |
| 13     | 5339.00 | 0.70 | 156.68  | 5337.61 | 31.58 | 18.03               | -31.44 | 89.00  | 0.18    | 113.43 | 36.25    | 299.83  | MWD Run 1 |
| 14     | 5429.00 | 0.65 | 153.68  | 5427.60 | 31.13 | 17.07               | -31.00 | 90.00  | 0.07    | 113.43 | 35.39    | 298.84  | MWD Run 1 |
| 15     | 5519.00 | 0.52 | 163.98  | 5517.60 | 30.79 | 16.22               | -30.66 | 90.00  | 0.19    | 113.43 | 34.69    | 297.88  | MWD Run 1 |
| 16     | 5608.00 | 0.43 | 165.52  | 5606.59 | 30.59 | 15.51               | -30.47 | 89.00  | 0.10    | 113.43 | 34.19    | 296.98  | MWD Run 1 |
| 17     | 5698.00 | 0.34 | 168.12  | 5696.59 | 30.44 | 14.92               | -30.33 | 90.00  | 0.10    | 113.43 | 33.80    | 296.20  | MWD Run 1 |
| 18     | 5787.00 | 0.28 | 177.07  | 5785.59 | 30.37 | 14.44               | -30.26 | 89.00  | 0.09    | 120.57 | 33.53    | 295.52  | MWD Run 1 |
| 19     | 5877.00 | 0.20 | 193.65  | 5875.59 | 30.40 | 14.07               | -30.29 | 90.00  | 0.12    | 120.57 | 33.40    | 294.92  | MWD Run 1 |
| 20     | 5966.00 | 0.10 | 223.44  | 5964.59 | 30.48 | 13.87               | -30.38 | 89.00  | 0.14    | 120.57 | 33.39    | 294.53  | MWD Run 1 |
| 21     | 6055.00 | 0.10 | 238.95  | 6053.59 | 30.60 | 13.77               | -30.50 | 89.00  | 0.03    | 120.57 | 33.46    | 294.30  | MWD Run 1 |
| 22     | 6145.00 | 0.16 | 240.88  | 6143.59 | 30.78 | 13.67               | -30.67 | 90.00  | 0.07    | 120.57 | 33.58    | 294.02  | MWD Run 1 |
| 23     | 6234.00 | 1.38 | 106.14  | 6232.58 | 29.86 | 13.31               | -29.75 | 89.00  | 1.68    | 120.57 | 32.59    | 294.10  | MWD Run 1 |
| 24     | 6324.00 | 1.36 | 104.81  | 6322.56 | 27.78 | 12.73               | -27.68 | 90.00  | 0.04    | 120.57 | 30.47    | 294.71  | MWD Run 1 |
| 25     | 6414.00 | 1.25 | 103.96  | 6412.53 | 25.79 | 12.22               | -25.69 | 90.00  | 0.12    | 120.57 | 28.45    | 295.44  | MWD Run 1 |
| 26     | 6503.00 | 1.13 | 103.32  | 6501.51 | 23.99 | 11.79               | -23.90 | 89.00  | 0.14    | 120.57 | 26.65    | 296.26  | MWD Run 1 |
| 27     | 6593.00 | 1.19 | 103.23  | 6591.49 | 22.21 | 11.37               | -22.12 | 90.00  | 0.07    | 120.57 | 24.87    | 297.20  | MWD Run 1 |
| 28     | 6682.00 | 1.22 | 101.79  | 6680.48 | 20.38 | 10.96               | -20.30 | 89.00  | 0.05    | 120.57 | 23.07    | 298.38  | MWD Run 1 |
| 29     | 6772.00 | 1.03 | 102.27  | 6770.46 | 18.65 | 10.60               | -18.57 | 90.00  | 0.21    | 127.71 | 21.38    | 299.71  | MWD Run 1 |
| 30     | 6862.00 | 0.85 | 106.91  | 6860.45 | 17.22 | 10.23               | -17.14 | 90.00  | 0.22    | 127.71 | 19.96    | 300.83  | MWD Run 1 |
| 31     | 6951.00 | 0.89 | 115.54  | 6949.44 | 15.96 | 9.74                | -15.88 | 89.00  | 0.15    | 127.71 | 18.63    | 301.52  | MWD Run 1 |
| 32     | 7041.00 | 0.80 | 131.84  | 7039.43 | 14.86 | 9.02                | -14.79 | 90.00  | 0.28    | 127.71 | 17.32    | 301.39  | MWD Run 1 |
| 33     | 7130.00 | 0.72 | 141.55  | 7128.42 | 14.04 | 8.17                | -13.97 | 89.00  | 0.17    | 127.71 | 16.19    | 300.30  | MWD Run 1 |
| 34     | 7220.00 | 0.55 | 158.06  | 7218.41 | 13.52 | 7.32                | -13.46 | 90.00  | 0.28    | 127.71 | 15.33    | 298.55  | MWD Run 1 |
| 35     | 7309.00 | 0.42 | 204.46  | 7307.41 | 13.49 | 6.63                | -13.44 | 89.00  | 0.45    | 127.71 | 14.98    | 296.27  | MWD Run 1 |
| 36     | 7399.00 | 0.54 | 230.51  | 7397.41 | 13.95 | 6.06                | -13.90 | 90.00  | 0.27    | 127.71 | 15.17    | 293.56  | MWD Run 1 |
| 37     | 7489.00 | 0.46 | 230.09  | 7487.40 | 14.55 | 5.56                | -14.51 | 90.00  | 0.09    | 127.71 | 15.53    | 290.97  | MWD Run 1 |
| 38     | 7578.00 | 0.31 | 214.75  | 7576.40 | 14.96 | 5.13                | -14.92 | 89.00  | 0.20    | 127.71 | 15.78    | 288.99  | MWD Run 1 |
| 39     | 7668.00 | 0.28 | 203.90  | 7666.40 | 15.18 | 4.73                | -15.14 | 90.00  | 0.07    | 127.71 | 15.87    | 287.35  | MWD Run 1 |
| 40     | 7758.00 | 0.37 | 230.74  | 7756.40 | 15.49 | 4.35                | -15.46 | 90.00  | 0.19    | 127.71 | 16.06    | 285.70  | MWD Run 1 |
| 41     | 7847.00 | 1.08 | 239.56  | 7845.39 | 16.43 | 3.74                | -16.40 | 89.00  | 0.81    | 127.71 | 16.83    | 282.84  | MWD Run 1 |
| 42     | 7937.00 | 1.44 | 236.86  | 7935.37 | 18.10 | 2.69                | -18.08 | 90.00  | 0.41    | 127.71 | 18.28    | 278.47  | MWD Run 1 |
| 43     | 8027.00 | 0.60 | 120.55  | 8025.36 | 18.64 | 1.83                | -18.62 | 90.00  | 1.99    | 127.71 | 18.71    | 275.62  | MWD Run 1 |
| 44     | 8116.00 | 0.55 | 154.68  | 8114.36 | 18.05 | 1.21                | -18.04 | 89.00  | 0.38    | 127.71 | 18.08    | 273.84  | MWD Run 1 |
| 45     | 8206.00 | 0.62 | 156.91  | 8204.35 | 17.67 | 0.37                | -17.66 | 90.00  | 0.08    | 127.71 | 17.67    | 271.21  | MWD Run 1 |
| 46     | 8296.00 | 0.68 | 152.89  | 8294.34 | 17.23 | -0.55               | -17.23 | 90.00  | 0.08    | 0.00   | 17.24    | 268.17  | MWD Run 1 |
| 47     | 8356.00 | 0.71 | 153.39  | 8354.34 | 16.89 | -1.20               | -16.90 | 60.00  | 0.05    | 127.71 | 16.94    | 265.94  | MWD Run 1 |
| 48     | 8404.00 | 0.65 | 183.99  | 8402.34 | 16.77 | -1.74               | -16.79 | 48.00  | 0.76    | 120.57 | 16.88    | 264.09  | MWD Run 2 |

|     |          |       |        |         |         |       |          |        |       |        |         |        |           |
|-----|----------|-------|--------|---------|---------|-------|----------|--------|-------|--------|---------|--------|-----------|
| 49  | 8449.00  | 5.77  | 269.36 | 8447.26 | 19.05   | -2.02 | -19.07   | 45.00  | 12.79 | 120.57 | 19.17   | 263.96 | MWD Run 2 |
| 50  | 8494.00  | 11.45 | 277.65 | 8491.74 | 25.75   | -1.45 | -25.76   | 45.00  | 12.89 | 120.57 | 25.80   | 266.78 | MWD Run 2 |
| 51  | 8539.00  | 15.06 | 274.95 | 8535.53 | 36.01   | -0.35 | -36.02   | 45.00  | 8.14  | 120.57 | 36.02   | 269.45 | MWD Run 2 |
| 52  | 8584.00  | 17.73 | 272.61 | 8578.70 | 48.69   | 0.47  | -48.69   | 45.00  | 6.11  | 120.57 | 48.69   | 270.55 | MWD Run 2 |
| 53  | 8628.00  | 19.95 | 268.56 | 8620.34 | 62.89   | 0.58  | -62.89   | 44.00  | 5.85  | 120.57 | 62.89   | 270.53 | MWD Run 2 |
| 54  | 8673.00  | 23.96 | 264.37 | 8662.07 | 79.66   | -0.51 | -79.66   | 45.00  | 9.56  | 127.71 | 79.67   | 269.64 | MWD Run 2 |
| 55  | 8718.00  | 28.42 | 264.18 | 8702.44 | 99.40   | -2.49 | -99.42   | 45.00  | 9.91  | 127.71 | 99.45   | 268.57 | MWD Run 2 |
| 56  | 8763.00  | 32.12 | 267.26 | 8741.30 | 122.00  | -4.15 | -122.03  | 45.00  | 8.91  | 127.71 | 122.10  | 268.05 | MWD Run 2 |
| 57  | 8808.00  | 35.66 | 268.86 | 8778.65 | 147.06  | -4.98 | -147.10  | 45.00  | 8.11  | 127.71 | 147.19  | 268.06 | MWD Run 2 |
| 58  | 8852.00  | 38.63 | 268.56 | 8813.72 | 173.61  | -5.58 | -173.66  | 44.00  | 6.76  | 134.86 | 173.75  | 268.16 | MWD Run 2 |
| 59  | 8897.00  | 43.33 | 271.46 | 8847.68 | 203.11  | -5.54 | -203.16  | 45.00  | 11.26 | 134.86 | 203.23  | 268.44 | MWD Run 2 |
| 60  | 8942.00  | 47.28 | 273.89 | 8879.33 | 235.06  | -4.02 | -235.10  | 45.00  | 9.58  | 134.86 | 235.14  | 269.02 | MWD Run 2 |
| 61  | 8987.00  | 51.41 | 273.59 | 8908.64 | 269.14  | -1.80 | -269.16  | 45.00  | 9.19  | 134.86 | 269.17  | 269.62 | MWD Run 2 |
| 62  | 9032.00  | 55.45 | 273.85 | 8935.45 | 305.21  | 0.55  | -305.22  | 45.00  | 8.99  | 134.86 | 305.22  | 270.10 | MWD Run 2 |
| 63  | 9077.00  | 57.99 | 272.00 | 8960.14 | 342.79  | 2.46  | -342.78  | 45.00  | 6.61  | 142.00 | 342.79  | 270.41 | MWD Run 2 |
| 64  | 9121.00  | 60.68 | 271.42 | 8982.58 | 380.63  | 3.58  | -380.61  | 44.00  | 6.22  | 142.00 | 380.63  | 270.54 | MWD Run 2 |
| 65  | 9166.00  | 65.55 | 270.53 | 9002.92 | 420.75  | 4.26  | -420.73  | 45.00  | 10.96 | 142.00 | 420.75  | 270.58 | MWD Run 2 |
| 66  | 9211.00  | 69.55 | 271.23 | 9020.10 | 462.33  | 4.90  | -462.30  | 45.00  | 9.00  | 142.00 | 462.33  | 270.61 | MWD Run 2 |
| 67  | 9256.00  | 74.13 | 271.63 | 9034.12 | 505.07  | 5.97  | -505.04  | 45.00  | 10.21 | 142.00 | 505.07  | 270.68 | MWD Run 2 |
| 68  | 9301.00  | 77.60 | 271.25 | 9045.11 | 548.69  | 7.07  | -548.65  | 45.00  | 7.75  | 142.00 | 548.70  | 270.74 | MWD Run 2 |
| 69  | 9346.00  | 81.19 | 269.49 | 9053.39 | 592.91  | 7.35  | -592.88  | 45.00  | 8.86  | 142.00 | 592.92  | 270.71 | MWD Run 2 |
| 70  | 9390.00  | 85.03 | 269.14 | 9058.67 | 636.58  | 6.82  | -636.55  | 44.00  | 8.76  | 142.00 | 636.58  | 270.61 | MWD Run 2 |
| 71  | 9435.00  | 89.69 | 269.38 | 9060.74 | 681.51  | 6.24  | -681.48  | 45.00  | 10.37 | 142.00 | 681.51  | 270.52 | MWD Run 2 |
| 72  | 9480.00  | 90.17 | 269.15 | 9060.80 | 726.50  | 5.67  | -726.48  | 45.00  | 1.18  | 142.00 | 726.50  | 270.45 | MWD Run 2 |
| 73  | 9569.00  | 90.48 | 269.33 | 9060.29 | 815.48  | 4.49  | -815.47  | 89.00  | 0.40  | 149.14 | 815.48  | 270.32 | MWD Run 2 |
| 74  | 9659.00  | 91.06 | 269.32 | 9059.08 | 905.45  | 3.43  | -905.45  | 90.00  | 0.64  | 149.14 | 905.46  | 270.22 | MWD Run 2 |
| 75  | 9749.00  | 91.93 | 268.92 | 9056.73 | 995.40  | 2.04  | -995.41  | 90.00  | 1.06  | 149.14 | 995.41  | 270.12 | MWD Run 2 |
| 76  | 9838.00  | 92.64 | 268.65 | 9053.19 | 1084.29 | 0.16  | -1084.32 | 89.00  | 0.85  | 149.14 | 1084.32 | 270.01 | MWD Run 2 |
| 77  | 9928.00  | 91.35 | 270.27 | 9050.05 | 1174.22 | -0.69 | -1174.26 | 90.00  | 2.30  | 149.14 | 1174.26 | 269.97 | MWD Run 2 |
| 78  | 10018.00 | 92.19 | 270.32 | 9047.27 | 1264.17 | -0.23 | -1264.21 | 90.00  | 0.93  | 149.14 | 1264.21 | 269.99 | MWD Run 2 |
| 79  | 10107.00 | 89.52 | 271.07 | 9045.95 | 1353.15 | 0.85  | -1353.19 | 89.00  | 3.12  | 149.14 | 1353.19 | 270.04 | MWD Run 2 |
| 80  | 10197.00 | 89.75 | 270.88 | 9046.52 | 1443.15 | 2.39  | -1443.17 | 90.00  | 0.33  | 149.14 | 1443.17 | 270.09 | MWD Run 2 |
| 81  | 10286.00 | 90.31 | 270.46 | 9046.47 | 1532.14 | -3.43 | -1532.17 | 89.00  | 0.79  | 149.14 | 1532.17 | 270.13 | MWD Run 2 |
| 82  | 10376.00 | 90.34 | 269.67 | 9045.96 | 1622.14 | 3.53  | -1622.16 | 90.00  | 0.88  | 149.14 | 1622.17 | 270.12 | MWD Run 2 |
| 83  | 10465.00 | 90.48 | 268.84 | 9045.32 | 1711.12 | 2.37  | -1711.15 | 89.00  | 0.95  | 156.29 | 1711.15 | 270.08 | MWD Run 2 |
| 84  | 10555.00 | 90.90 | 267.92 | 9044.24 | 1801.05 | -0.17 | -1801.11 | 90.00  | 1.12  | 156.29 | 1801.11 | 269.99 | MWD Run 2 |
| 85  | 10645.00 | 89.89 | 268.75 | 9043.62 | 1890.99 | -2.79 | -1891.07 | 90.00  | 1.45  | 149.14 | 1891.07 | 269.92 | MWD Run 2 |
| 86  | 10734.00 | 88.57 | 269.98 | 9044.82 | 1979.96 | -3.77 | -1980.05 | 89.00  | 2.03  | 149.14 | 1980.05 | 269.89 | MWD Run 2 |
| 87  | 10824.00 | 89.64 | 271.85 | 9046.22 | 2069.94 | -2.34 | -2070.02 | 90.00  | 2.39  | 149.14 | 2070.02 | 269.94 | MWD Run 2 |
| 88  | 10914.00 | 91.21 | 273.08 | 9045.55 | 2159.88 | 1.53  | -2159.93 | 90.00  | 2.22  | 149.14 | 2159.93 | 270.04 | MWD Run 2 |
| 89  | 11003.00 | 92.77 | 272.07 | 9042.46 | 2248.76 | 5.53  | -2248.78 | 89.00  | 2.09  | 156.29 | 2248.79 | 270.14 | MWD Run 2 |
| 90  | 11093.00 | 93.62 | 270.60 | 9037.45 | 2338.60 | 7.62  | -2338.62 | 90.00  | 1.88  | 156.29 | 2338.63 | 270.19 | MWD Run 2 |
| 91  | 11183.00 | 92.58 | 271.74 | 9032.58 | 2428.46 | 9.46  | -2428.46 | 90.00  | 1.71  | 156.29 | 2428.48 | 270.22 | MWD Run 2 |
| 92  | 11272.00 | 90.22 | 270.77 | 9030.41 | 2517.42 | 11.41 | -2517.41 | 89.00  | 2.87  | 156.29 | 2517.43 | 270.26 | MWD Run 2 |
| 93  | 11362.00 | 90.70 | 270.06 | 9029.68 | 2607.42 | 12.06 | -2607.40 | 90.00  | 0.95  | 156.29 | 2607.43 | 270.26 | MWD Run 2 |
| 94  | 11451.00 | 91.49 | 269.91 | 9027.98 | 2696.40 | 12.04 | -2696.38 | 89.00  | 0.90  | 156.29 | 2696.41 | 270.26 | MWD Run 2 |
| 95  | 11541.00 | 92.30 | 269.19 | 9025.01 | 2786.33 | 11.33 | -2786.33 | 90.00  | 1.20  | 156.29 | 2786.35 | 270.23 | MWD Run 2 |
| 96  | 11631.00 | 93.39 | 268.17 | 9020.54 | 2876.18 | 9.26  | -2876.19 | 90.00  | 1.66  | 156.29 | 2876.21 | 270.18 | MWD Run 2 |
| 97  | 11720.00 | 91.15 | 268.72 | 9017.01 | 2965.05 | 6.85  | -2965.09 | 89.00  | 2.59  | 156.29 | 2965.09 | 270.13 | MWD Run 2 |
| 98  | 11810.00 | 89.08 | 270.36 | 9016.83 | 3055.03 | 6.12  | -3055.07 | 90.00  | 2.93  | 156.29 | 3055.08 | 270.11 | MWD Run 2 |
| 99  | 11899.00 | 88.57 | 272.19 | 9018.66 | 3144.00 | 8.10  | -3144.03 | 89.00  | 2.13  | 156.29 | 3144.04 | 270.15 | MWD Run 2 |
| 100 | 11989.00 | 89.13 | 272.47 | 9020.47 | 3233.93 | 11.76 | -3233.94 | 90.00  | 0.70  | 156.29 | 3233.96 | 270.21 | MWD Run 2 |
| 101 | 12078.00 | 91.46 | 272.79 | 9020.01 | 3322.86 | 15.85 | -3322.84 | 89.00  | 2.64  | 156.29 | 3322.87 | 270.27 | MWD Run 2 |
| 102 | 12168.00 | 92.35 | 272.00 | 9017.02 | 3412.75 | 19.60 | -3412.71 | 90.00  | 1.32  | 156.29 | 3412.76 | 270.33 | MWD Run 2 |
| 103 | 12258.00 | 93.14 | 271.74 | 9012.71 | 3502.62 | 22.54 | -3502.55 | 90.00  | 0.92  | 163.43 | 3502.63 | 270.37 | MWD Run 2 |
| 104 | 12347.00 | 91.57 | 271.70 | 9009.05 | 3591.52 | 25.21 | -3591.44 | 89.00  | 1.76  | 156.29 | 3591.52 | 270.40 | MWD Run 2 |
| 105 | 12437.00 | 92.60 | 272.91 | 9005.77 | 3681.41 | 28.82 | -3681.30 | 90.00  | 1.76  | 163.43 | 3681.41 | 270.45 | MWD Run 2 |
| 106 | 12527.00 | 93.19 | 270.65 | 9002.01 | 3771.30 | 31.62 | -3771.17 | 90.00  | 2.55  | 163.43 | 3771.31 | 270.48 | MWD Run 2 |
| 107 | 12616.00 | 93.11 | 270.38 | 8997.90 | 3860.21 | 32.42 | -3860.07 | 89.00  | 1.08  | 163.43 | 3860.21 | 270.48 | MWD Run 2 |
| 108 | 12706.00 | 91.35 | 269.88 | 8994.40 | 3950.13 | 32.62 | -3950.00 | 90.00  | 2.03  | 163.43 | 3950.14 | 270.47 | MWD Run 2 |
| 109 | 12796.00 | 92.13 | 269.46 | 8991.66 | 4040.08 | 32.10 | -4039.96 | 90.00  | 0.98  | 163.43 | 4040.08 | 270.46 | MWD Run 2 |
| 110 | 12886.00 | 93.28 | 268.78 | 8987.42 | 4129.96 | 30.72 | -4129.84 | 90.00  | 1.48  | 163.43 | 4129.96 | 270.43 | MWD Run 2 |
| 111 | 12975.00 | 91.40 | 268.44 | 8983.78 | 4218.83 | 28.56 | -4218.74 | 89.00  | 2.15  | 163.43 | 4218.84 | 270.39 | MWD Run 2 |
| 112 | 13065.00 | 92.13 | 267.93 | 8981.01 | 4308.72 | 25.71 | -4308.65 | 90.00  | 0.99  | 163.43 | 4308.73 | 270.34 | MWD Run 2 |
| 113 | 13155.00 | 90.73 | 268.78 | 8978.76 | 4398.63 | 23.13 | -4398.58 | 90.00  | 1.82  | 156.29 | 4398.64 | 270.30 | MWD Run 2 |
| 114 | 13245.00 | 90.00 | 267.59 | 8977.97 | 4523.53 | 19.17 | -4523.51 | 125.00 | 1.12  | 149.14 | 4523.55 | 270.24 | MWD Run 3 |
| 115 | 13369.00 | 91.09 | 268.92 | 8977.12 | 4612.45 | 16.46 | -4612.47 | 89.00  | 1.93  | 156.29 | 4612.49 | 270.20 | MWD Run 3 |
| 116 | 13459.00 | 91.43 | 268.95 | 8975.14 | 4702.40 | 14.79 | -4702.43 | 90.00  | 0.38  | 156.29 | 4702.45 | 270.18 | MWD Run 3 |

|     |          |       |        |         |         |       |          |       |      |        |         |        |           |
|-----|----------|-------|--------|---------|---------|-------|----------|-------|------|--------|---------|--------|-----------|
| 117 | 13549.00 | 90.50 | 270.49 | 8973.63 | 4792.38 | 14.35 | -4792.41 | 90.00 | 2.00 | 163.43 | 4792.43 | 270.17 | MWD Run 3 |
| 118 | 13638.00 | 90.34 | 271.59 | 8972.97 | 4881.37 | 15.97 | -4881.39 | 89.00 | 1.25 | 163.43 | 4881.42 | 270.19 | MWD Run 3 |
| 119 | 13728.00 | 90.34 | 270.93 | 8972.44 | 4971.36 | 17.95 | -4971.37 | 90.00 | 0.73 | 163.43 | 4971.40 | 270.21 | MWD Run 3 |
| 120 | 13818.00 | 90.36 | 269.92 | 8971.89 | 5061.35 | 18.61 | -5061.36 | 90.00 | 1.12 | 163.43 | 5061.40 | 270.21 | MWD Run 3 |
| 121 | 13908.00 | 90.34 | 271.55 | 8971.34 | 5151.35 | 19.77 | -5151.35 | 90.00 | 1.81 | 163.43 | 5151.39 | 270.22 | MWD Run 3 |
| 122 | 13997.00 | 90.50 | 270.98 | 8970.69 | 5240.34 | 21.73 | -5240.33 | 89.00 | 0.67 | 163.43 | 5240.37 | 270.24 | MWD Run 3 |
| 123 | 14087.00 | 91.01 | 273.07 | 8969.50 | 5330.29 | 24.91 | -5330.26 | 90.00 | 2.39 | 163.43 | 5330.32 | 270.27 | MWD Run 3 |
| 124 | 14177.00 | 91.71 | 273.79 | 8967.37 | 5420.14 | 30.30 | -5420.07 | 90.00 | 1.12 | 170.57 | 5420.15 | 270.32 | MWD Run 3 |
| 125 | 14266.00 | 92.13 | 272.97 | 8964.38 | 5508.97 | 35.54 | -5508.86 | 89.00 | 1.03 | 170.57 | 5508.98 | 270.37 | MWD Run 3 |
| 126 | 14356.00 | 92.61 | 272.16 | 8960.66 | 5598.83 | 39.56 | -5598.70 | 90.00 | 1.05 | 170.57 | 5598.84 | 270.40 | MWD Run 3 |
| 127 | 14446.00 | 93.17 | 271.26 | 8956.12 | 5688.70 | 42.25 | -5688.54 | 90.00 | 1.18 | 170.57 | 5688.70 | 270.43 | MWD Run 3 |
| 128 | 14535.00 | 91.09 | 272.55 | 8952.82 | 5777.60 | 45.20 | -5777.42 | 89.00 | 2.75 | 170.57 | 5777.60 | 270.45 | MWD Run 3 |
| 129 | 14625.00 | 90.06 | 272.37 | 8951.91 | 5867.54 | 49.07 | -5867.33 | 90.00 | 1.16 | 170.57 | 5867.54 | 270.48 | MWD Run 3 |
| 130 | 14715.00 | 90.56 | 271.97 | 8951.43 | 5957.50 | 52.47 | -5957.27 | 90.00 | 0.71 | 170.57 | 5957.50 | 270.50 | MWD Run 3 |
| 131 | 14805.00 | 90.48 | 271.56 | 8950.61 | 6047.47 | 55.25 | -6047.22 | 90.00 | 0.46 | 170.57 | 6047.47 | 270.52 | MWD Run 3 |
| 132 | 14894.00 | 90.28 | 270.61 | 8950.02 | 6136.46 | 56.93 | -6136.20 | 89.00 | 1.09 | 170.57 | 6136.47 | 270.53 | MWD Run 3 |
| 133 | 14984.00 | 90.76 | 269.67 | 8949.20 | 6226.45 | 57.15 | -6226.20 | 90.00 | 1.17 | 170.57 | 6226.46 | 270.53 | MWD Run 3 |
| 134 | 15074.00 | 91.35 | 269.16 | 8947.55 | 6316.42 | 56.23 | -6316.18 | 90.00 | 0.87 | 177.71 | 6316.43 | 270.51 | MWD Run 3 |
| 135 | 15163.00 | 91.60 | 268.51 | 8945.25 | 6405.36 | 54.42 | -6405.13 | 89.00 | 0.78 | 177.71 | 6405.36 | 270.49 | MWD Run 3 |
| 136 | 15253.00 | 91.77 | 270.46 | 8942.61 | 6495.30 | 53.61 | -6495.08 | 90.00 | 2.17 | 170.57 | 6495.30 | 270.47 | MWD Run 3 |
| 137 | 15343.00 | 91.23 | 271.41 | 8940.25 | 6585.27 | 55.08 | -6585.04 | 90.00 | 1.21 | 170.57 | 6585.27 | 270.48 | MWD Run 3 |
| 138 | 15433.00 | 91.65 | 270.95 | 8937.99 | 6675.23 | 56.94 | -6674.99 | 90.00 | 0.69 | 177.71 | 6675.23 | 270.49 | MWD Run 3 |
| 139 | 15522.00 | 91.82 | 270.65 | 8935.30 | 6764.19 | 58.18 | -6763.94 | 89.00 | 0.39 | 170.57 | 6764.19 | 270.49 | MWD Run 3 |
| 140 | 15612.00 | 92.19 | 270.57 | 8932.15 | 6854.13 | 59.14 | -6853.88 | 90.00 | 0.42 | 170.57 | 6854.13 | 270.49 | MWD Run 3 |
| 141 | 15702.00 | 92.72 | 270.34 | 8928.29 | 6944.05 | 59.85 | -6943.79 | 90.00 | 0.64 | 163.43 | 6944.05 | 270.49 | MWD Run 3 |
| 142 | 15791.00 | 90.22 | 271.96 | 8926.01 | 7033.00 | 61.64 | -7032.74 | 89.00 | 3.35 | 170.57 | 7033.01 | 270.50 | MWD Run 3 |
| 143 | 15881.00 | 89.55 | 272.19 | 8926.19 | 7122.97 | 64.89 | -7122.68 | 90.00 | 0.79 | 170.57 | 7122.97 | 270.52 | MWD Run 3 |
| 144 | 15971.00 | 89.83 | 272.10 | 8926.68 | 7212.92 | 68.26 | -7212.61 | 90.00 | 0.33 | 170.57 | 7212.93 | 270.54 | MWD Run 3 |
| 145 | 16060.00 | 90.00 | 271.80 | 8926.81 | 7301.89 | 71.29 | -7301.56 | 89.00 | 0.39 | 170.57 | 7301.91 | 270.56 | MWD Run 3 |
| 146 | 16150.00 | 90.28 | 271.71 | 8926.59 | 7391.87 | 74.05 | -7391.52 | 90.00 | 0.33 | 170.57 | 7391.89 | 270.57 | MWD Run 3 |
| 147 | 16240.00 | 90.92 | 271.89 | 8925.65 | 7481.84 | 76.87 | -7481.47 | 90.00 | 0.74 | 170.57 | 7481.86 | 270.59 | MWD Run 3 |
| 148 | 16329.00 | 90.73 | 269.56 | 8924.36 | 7570.82 | 78.00 | -7570.44 | 89.00 | 2.63 | 170.57 | 7570.85 | 270.59 | MWD Run 3 |
| 149 | 16419.00 | 91.93 | 268.22 | 8922.27 | 7660.76 | 76.26 | -7660.40 | 90.00 | 2.00 | 170.57 | 7660.78 | 270.57 | MWD Run 3 |
| 150 | 16509.00 | 93.23 | 268.03 | 8918.22 | 7750.59 | 73.32 | -7750.26 | 90.00 | 1.46 | 170.57 | 7750.60 | 270.54 | MWD Run 3 |
| 151 | 16598.00 | 91.52 | 269.13 | 8914.54 | 7839.47 | 71.11 | -7839.15 | 89.00 | 2.28 | 170.57 | 7839.47 | 270.52 | MWD Run 3 |
| 152 | 16688.00 | 91.23 | 269.12 | 8912.38 | 7929.42 | 69.74 | -7929.11 | 90.00 | 0.32 | 177.71 | 7929.42 | 270.50 | MWD Run 3 |
| 153 | 16778.00 | 91.43 | 268.77 | 8910.29 | 8019.36 | 68.08 | -8019.07 | 90.00 | 0.45 | 170.57 | 8019.36 | 270.49 | MWD Run 3 |
| 154 | 16867.00 | 92.16 | 268.41 | 8907.50 | 8108.27 | 65.89 | -8108.00 | 89.00 | 0.91 | 0.00   | 8108.27 | 270.47 | MWD Run 3 |
| 155 | 16957.00 | 92.33 | 267.86 | 8903.97 | 8198.13 | 62.97 | -8197.89 | 90.00 | 0.64 | 177.71 | 8198.13 | 270.44 | MWD Run 3 |
| 156 | 17047.00 | 92.86 | 267.49 | 8899.90 | 8287.93 | 59.32 | -8287.72 | 90.00 | 0.72 | 0.00   | 8287.93 | 270.41 | MWD Run 3 |
| 157 | 17102.00 | 92.79 | 265.23 | 8897.19 | 8342.72 | 55.83 | -8342.54 | 55.00 | 4.11 | 177.71 | 8342.72 | 270.38 | MWD Run 3 |
| 158 | 17170.00 | 92.79 | 265.23 | 8893.88 | 8410.36 | 50.18 | -8410.22 | 68.00 | 0.00 | 177.70 | 8410.37 | 270.34 | MWD Run 3 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|