



**NM OIL CONSERVATION**  
ARTESIA DISTRICT

MAY 22 2015

RECEIVED

March 3, 2015

Devon Energy Production Co., L. P.  
333 West Sheridan Ave  
Oklahoma City, Oklahoma 73102-5010

15-42809

Attn: David Cook

Re: **Diamond PWU 22 11H**

Please find enclosed a copy of the survey from 0' to 3293' ran on the above referenced well.

If I can be of any further service please do not hesitate to call me at 800-606-4976.

Sincerely,

Keith Havelka  
Operations

STATE OF TEXAS     §  
                                  §  
COUNTY OF NUECES §

This instrument was acknowledged before me on the 3 day of March,  
A.D., 2015, by Keith Havelka.

Jennifer Ann Byerly  
Notary Public, State of Texas





Company: Devon Energy  
 Lease/Well: Diamond PWU 22/11H  
 Location: S21 T19S R29E  
 Rig Name: HP 267  
 State/County: New Mexico/Eddy  
 Latitude: 32.65, Longitude: -104.07  
 GRID North is 0.14 Degrees East of True North  
 VS-Azi: 0.00 Degrees



Depth Reference : RKB = 25 Feet

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: gyro survey.ut  
 Minimum Curvature Method  
 Report Date/Time: 3/3/2015 / 09:01

VES Survey International  
 Midland, TX  
 432-563-5444

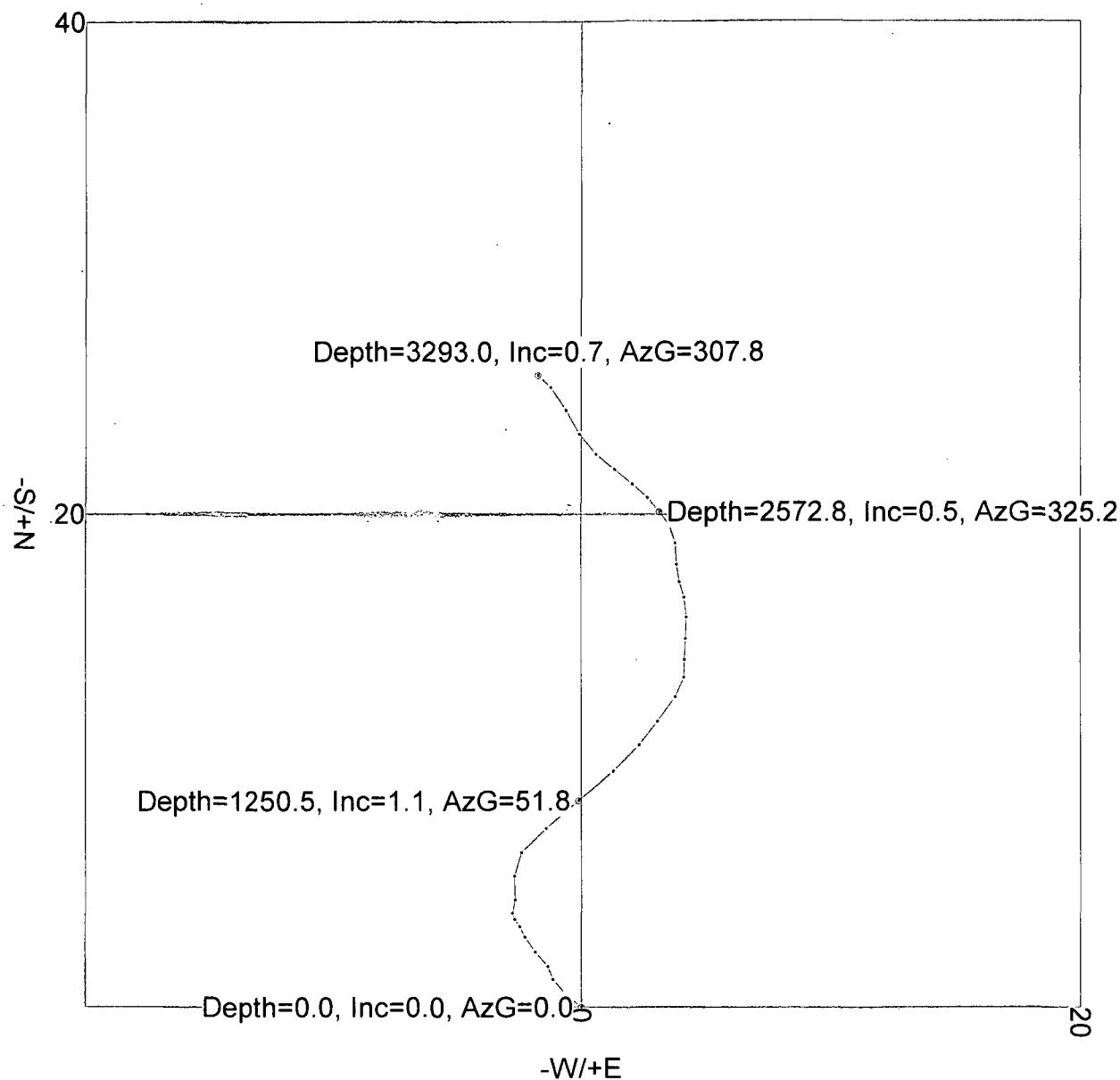
Surveyor: Andrew Askew  
 Diamond PWU 22 11H / API 30-015-42809

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | TVD<br>FT | +N/-S<br>FT | +E/-W<br>FT | Vertical<br>Section<br>FT | Closure<br>Distance<br>FT | Closure<br>Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 0.00                    | 0.00                 | 0.00                      | 0.00      | 0.00        | 0.00        | 0.00                      | 0.00                      | 0.00                        | ****                          |
| 117.15                  | 0.75                 | 308.94                    | 117.15    | 0.48        | -0.60       | 0.48                      | 0.77                      | 308.94                      | 0.64                          |
| 211.60                  | 0.30                 | 348.92                    | 211.59    | 1.11        | -1.13       | 1.11                      | 1.58                      | 314.65                      | 0.59                          |
| 306.05                  | 0.39                 | 331.60                    | 306.04    | 1.64        | -1.33       | 1.64                      | 2.11                      | 320.98                      | 0.15                          |
| 400.50                  | 0.55                 | 312.18                    | 400.49    | 2.23        | -1.82       | 2.23                      | 2.87                      | 320.79                      | 0.23                          |
| 494.95                  | 0.38                 | 342.09                    | 494.93    | 2.83        | -2.25       | 2.83                      | 3.61                      | 321.53                      | 0.31                          |
| 589.40                  | 0.21                 | 320.44                    | 589.38    | 3.26        | -2.45       | 3.26                      | 4.08                      | 323.04                      | 0.22                          |
| 683.85                  | 0.21                 | 328.99                    | 683.83    | 3.54        | -2.65       | 3.54                      | 4.42                      | 323.17                      | 0.03                          |
| 778.30                  | 0.15                 | 356.76                    | 778.28    | 3.81        | -2.74       | 3.81                      | 4.69                      | 324.20                      | 0.11                          |
| 872.75                  | 0.52                 | 14.43                     | 872.73    | 4.34        | -2.65       | 4.34                      | 5.08                      | 328.63                      | 0.40                          |
| 967.20                  | 0.69                 | 345.54                    | 967.18    | 5.30        | -2.68       | 5.30                      | 5.94                      | 333.18                      | 0.36                          |
| 1061.65                 | 0.73                 | 46.42                     | 1061.62   | 6.27        | -2.39       | 6.27                      | 6.71                      | 339.15                      | 0.76                          |
| 1156.10                 | 0.96                 | 45.14                     | 1156.06   | 7.24        | -1.39       | 7.24                      | 7.37                      | 349.13                      | 0.25                          |
| 1250.55                 | 1.13                 | 51.84                     | 1250.49   | 8.37        | -0.10       | 8.37                      | 8.37                      | 359.34                      | 0.22                          |
| 1345.00                 | 1.08                 | 46.76                     | 1344.93   | 9.56        | 1.29        | 9.56                      | 9.65                      | 7.66                        | 0.12                          |
| 1439.45                 | 0.73                 | 39.32                     | 1439.36   | 10.64       | 2.32        | 10.64                     | 10.89                     | 12.29                       | 0.39                          |
| 1533.90                 | 0.75                 | 35.55                     | 1533.81   | 11.61       | 3.06        | 11.61                     | 12.00                     | 14.76                       | 0.05                          |
| 1628.35                 | 0.74                 | 35.49                     | 1628.25   | 12.60       | 3.77        | 12.60                     | 13.16                     | 16.65                       | 0.01                          |
| 1722.80                 | 0.36                 | 357.41                    | 1722.69   | 13.39       | 4.11        | 13.39                     | 14.01                     | 17.06                       | 0.54                          |

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | TVD<br>FT | +N/-S<br>FT | +E/-W<br>FT | Vertical<br>Section<br>FT | Closure<br>Distance<br>FT | Closure<br>Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 1817.25                 | 0.52                 | 3.95                      | 1817.14   | 14.11       | 4.13        | 14.11                     | 14.71                     | 16.30                       | 0.18                          |
| 1911.70                 | 0.52                 | 3.19                      | 1911.59   | 14.97       | 4.18        | 14.97                     | 15.54                     | 15.60                       | 0.01                          |
| 2006.15                 | 0.55                 | 1.31                      | 2006.03   | 15.85       | 4.21        | 15.85                     | 16.40                     | 14.89                       | 0.04                          |
| 2100.60                 | 0.43                 | 343.69                    | 2100.48   | 16.64       | 4.12        | 16.64                     | 17.14                     | 13.92                       | 0.20                          |
| 2195.05                 | 0.38                 | 341.39                    | 2194.93   | 17.28       | 3.93        | 17.28                     | 17.72                     | 12.80                       | 0.06                          |
| 2289.50                 | 0.49                 | 359.39                    | 2289.37   | 17.97       | 3.82        | 17.97                     | 18.38                     | 12.01                       | 0.19                          |
| 2383.95                 | 0.56                 | 353.86                    | 2383.82   | 18.84       | 3.77        | 18.84                     | 19.21                     | 11.32                       | 0.09                          |
| 2478.40                 | 0.37                 | 324.64                    | 2478.27   | 19.54       | 3.54        | 19.54                     | 19.86                     | 10.27                       | 0.31                          |
| 2572.85                 | 0.46                 | 325.20                    | 2572.72   | 20.11       | 3.15        | 20.11                     | 20.35                     | 8.90                        | 0.09                          |
| 2667.30                 | 0.48                 | 312.40                    | 2667.16   | 20.68       | 2.64        | 20.68                     | 20.85                     | 7.27                        | 0.11                          |
| 2761.75                 | 0.52                 | 312.33                    | 2761.61   | 21.24       | 2.03        | 21.24                     | 21.33                     | 5.47                        | 0.04                          |
| 2856.20                 | 0.58                 | 307.75                    | 2856.05   | 21.82       | 1.34        | 21.82                     | 21.86                     | 3.50                        | 0.08                          |
| 2950.65                 | 0.60                 | 311.37                    | 2950.50   | 22.44       | 0.58        | 22.44                     | 22.45                     | 1.49                        | 0.04                          |
| 3045.10                 | 0.68                 | 329.65                    | 3044.94   | 23.25       | -0.07       | 23.25                     | 23.25                     | 359.83                      | 0.23                          |
| 3139.55                 | 0.68                 | 332.97                    | 3139.39   | 24.23       | -0.61       | 24.23                     | 24.24                     | 358.57                      | 0.04                          |
| 3234.00                 | 0.68                 | 321.29                    | 3233.83   | 25.17       | -1.21       | 25.17                     | 25.20                     | 357.24                      | 0.15                          |
| 3293.00                 | 0.67                 | 307.82                    | 3292.83   | 25.65       | -1.71       | 25.65                     | 25.71                     | 356.19                      | 0.27                          |



VES Survey International  
Midland, TX  
432-563-5444  
Surveyor: Andrew Askew  
Diamond PWU 22 11H / API 30-015-42809



V.E.S. Survey Date: 2/17/2015



## Directional Survey

|                                                |                       |                                   |                                    |                               |
|------------------------------------------------|-----------------------|-----------------------------------|------------------------------------|-------------------------------|
| Sub-Division<br>DELAWARE BASIN                 | County<br>EDDY        | Field Name<br>PARKWAY WEST        | Region<br>DELAWARE SLOPE EAST      | State/Province<br>NM          |
| Surface Legal Location<br>SECTION 21 T19S R29E | API/UWI<br>3001542809 | Latitude (°)<br>32° 38' 43.237" N | Longitude (°)<br>104° 4' 18.507" W | Ground Elev M...<br>3,332.10  |
|                                                |                       |                                   |                                    | Orig KB Elev (ft)<br>3,357.10 |
|                                                |                       |                                   |                                    | Tubing Head Elevation (ft)    |

|                     |                                         |
|---------------------|-----------------------------------------|
| Wellbores           |                                         |
| Wellbore Name<br>OH | Parent Wellbore<br>SAP Well ID<br>37588 |
|                     | Vertical Section Direction (°)          |

| Kick Offs & Key Depths  |             |           |                           |
|-------------------------|-------------|-----------|---------------------------|
| Date                    |             | Type      | Top Depth (ftKB)          |
| Actual Deviation Survey | Definitive? | Proposed? | Proposed Deviation Survey |

|                        |                    |
|------------------------|--------------------|
| Deviation Survey       |                    |
| Date                   | Description        |
| MD Tie In (ftKB)       | TVD Tie In (ftKB)  |
| Inclination Tie In (°) | Azimuth Tie In (°) |
| NSTie In (ft)          | EW Tie In (ft)     |

| Survey Data           |           |          |                       |            |         |             |          |               |                                |                |
|-----------------------|-----------|----------|-----------------------|------------|---------|-------------|----------|---------------|--------------------------------|----------------|
| Date                  | MD (ftKB) | Incl (°) | Azm (°)               | TVD (ftKB) | VS (ft) | N/S (ft)    | E/W (ft) | DLS (°/100ft) | Survey Tool                    | Survey Company |
|                       |           |          |                       |            |         |             |          |               |                                |                |
| Wellbore Name<br>ST01 |           |          | Parent Wellbore<br>OH |            |         | SAP Well ID |          |               | Vertical Section Direction (°) |                |

| Kick Offs & Key Depths                            |  |                           |                             |
|---------------------------------------------------|--|---------------------------|-----------------------------|
| Date<br>3/10/2015                                 |  | Type<br>SIDETRACK         | Top Depth (ftKB)<br>8,372.0 |
| Actual Deviation Survey<br>MWD ST01, Proposed? No |  | Definitive?<br>No         | Proposed?<br>No             |
|                                                   |  | Proposed Deviation Survey |                             |

|                                |                               |
|--------------------------------|-------------------------------|
| Deviation Survey               |                               |
| Date<br>3/9/2015               | Description<br>MWD ST01       |
| MD Tie In (ftKB)<br>8,325.00   | TVD Tie In (ftKB)<br>8,320.67 |
| Inclination Tie In (°)<br>3.17 | Azimuth Tie In (°)<br>201.56  |
| NSTie In (ft)<br>-17.44        | EW Tie In (ft)<br>-181.39     |

| Survey Data |           |          |         |            |         |          |          |               |             |                |
|-------------|-----------|----------|---------|------------|---------|----------|----------|---------------|-------------|----------------|
| Date        | MD (ftKB) | Incl (°) | Azm (°) | TVD (ftKB) | VS (ft) | N/S (ft) | E/W (ft) | DLS (°/100ft) | Survey Tool | Survey Company |
| 3/10/2015   | 8,424.00  | 9.41     | 126.32  | 8,419.14   | -172.36 | -24.79   | -175.86  | 9.22          | MWD         |                |
| 3/10/2015   | 8,455.00  | 13.10    | 127.55  | 8,449.54   | -167.18 | -28.44   | -171.03  | 11.93         | MWD         |                |
| 3/10/2015   | 8,486.00  | 16.36    | 126.15  | 8,479.51   | -160.41 | -33.16   | -164.72  | 10.58         | MWD         |                |
| 3/10/2015   | 8,518.00  | 18.47    | 120.88  | 8,510.05   | -151.92 | -38.42   | -156.73  | 8.23          | MWD         |                |
| 3/10/2015   | 8,549.00  | 20.14    | 113.23  | 8,539.31   | -142.37 | -43.04   | -147.61  | 9.77          | MWD         |                |
| 3/10/2015   | 8,581.00  | 21.90    | 103.21  | 8,569.19   | -131.18 | -46.58   | -136.73  | 12.49         | MWD         |                |
| 3/10/2015   | 8,612.00  | 23.65    | 95.91   | 8,597.77   | -119.23 | -48.54   | -124.92  | 10.71         | MWD         |                |
| 3/10/2015   | 8,644.00  | 25.50    | 95.12   | 8,626.87   | -105.92 | -49.82   | -111.67  | 5.87          | MWD         |                |
| 3/10/2015   | 8,675.00  | 28.05    | 95.65   | 8,654.55   | -91.96  | -51.13   | -97.77   | 8.26          | MWD         |                |
| 3/10/2015   | 8,707.00  | 31.04    | 96.00   | 8,682.38   | -76.18  | -52.74   | -82.07   | 9.36          | MWD         |                |
| 3/10/2015   | 8,738.00  | 33.94    | 95.56   | 8,708.53   | -59.53  | -54.41   | -65.51   | 9.39          | MWD         |                |
| 3/10/2015   | 8,770.00  | 35.79    | 94.07   | 8,734.78   | -41.24  | -55.94   | -47.28   | 6.36          | MWD         |                |
| 3/10/2015   | 8,801.00  | 37.81    | 91.96   | 8,759.61   | -22.70  | -56.91   | -28.74   | 7.69          | MWD         |                |
| 3/10/2015   | 8,833.00  | 40.98    | 90.38   | 8,784.33   | -2.47   | -57.31   | -8.44    | 10.39         | MWD         |                |
| 3/10/2015   | 8,864.00  | 44.14    | 89.50   | 8,807.16   | 18.38   | -57.29   | 12.52    | 10.37         | MWD         |                |
| 3/10/2015   | 8,896.00  | 46.34    | 89.23   | 8,829.70   | 40.95   | -57.03   | 35.24    | 6.90          | MWD         |                |
| 3/10/2015   | 8,927.00  | 48.36    | 89.67   | 8,850.70   | 63.61   | -56.82   | 58.04    | 6.60          | MWD         |                |
| 3/10/2015   | 8,959.00  | 50.91    | 90.38   | 8,871.42   | 87.86   | -56.83   | 82.42    | 8.15          | MWD         |                |
| 3/10/2015   | 8,990.00  | 53.38    | 91.52   | 8,890.44   | 112.24  | -57.24   | 106.89   | 8.48          | MWD         |                |
| 3/10/2015   | 9,022.00  | 56.01    | 92.31   | 8,908.94   | 138.29  | -58.12   | 132.99   | 8.46          | MWD         |                |
| 3/10/2015   | 9,053.00  | 58.83    | 93.19   | 8,925.63   | 164.37  | -59.37   | 159.08   | 9.41          | MWD         |                |
| 3/10/2015   | 9,085.00  | 61.55    | 93.63   | 8,941.53   | 192.10  | -61.02   | 186.79   | 8.58          | MWD         |                |
| 3/10/2015   | 9,116.00  | 64.46    | 93.45   | 8,955.60   | 219.70  | -62.73   | 214.36   | 9.40          | MWD         |                |
| 3/10/2015   | 9,148.00  | 67.44    | 92.93   | 8,968.64   | 248.88  | -64.35   | 243.53   | 9.43          | MWD         |                |
| 3/10/2015   | 9,179.00  | 69.12    | 92.93   | 8,980.11   | 277.64  | -65.83   | 272.29   | 5.42          | MWD         |                |
| 3/10/2015   | 9,210.00  | 70.79    | 92.66   | 8,990.74   | 306.72  | -67.25   | 301.38   | 5.45          | MWD         |                |
| 3/10/2015   | 9,242.00  | 72.63    | 92.49   | 9,000.78   | 337.05  | -68.61   | 331.73   | 5.77          | MWD         |                |
| 3/10/2015   | 9,273.00  | 74.57    | 92.22   | 9,009.53   | 366.73  | -69.83   | 361.44   | 6.31          | MWD         |                |
| 3/10/2015   | 9,305.00  | 76.68    | 92.31   | 9,017.48   | 397.66  | -71.06   | 392.42   | 6.60          | MWD         |                |
| 3/10/2015   | 9,336.00  | 78.70    | 92.84   | 9,024.09   | 427.89  | -72.42   | 422.67   | 6.73          | MWD         |                |
| 3/10/2015   | 9,368.00  | 80.11    | 93.19   | 9,029.97   | 459.31  | -74.07   | 454.08   | 4.54          | MWD         |                |
| 3/10/2015   | 9,399.00  | 81.78    | 93.72   | 9,034.85   | 489.89  | -75.92   | 484.64   | 5.65          | MWD         |                |
| 3/10/2015   | 9,431.00  | 84.33    | 94.51   | 9,038.72   | 521.64  | -78.20   | 516.32   | 8.34          | MWD         |                |
| 3/10/2015   | 9,518.00  | 87.93    | 93.36   | 9,044.59   | 608.37  | -84.15   | 602.90   | 4.34          | MWD         |                |

**Directional Survey**

|                                                |                       |                                   |                                    |                               |
|------------------------------------------------|-----------------------|-----------------------------------|------------------------------------|-------------------------------|
| Sub-Division<br>DELAWARE BASIN                 | County<br>EDDY        | Field Name<br>PARKWAY WEST        | Region<br>DELAWARE SLOPE EAST      | State/Province<br>NM          |
| Surface Legal Location<br>SECTION 21 T19S R29E | API/UWI<br>3001542809 | Latitude (°)<br>32° 38' 43.237" N | Longitude (°)<br>104° 4' 18.507" W | Ground Elev M...<br>3,332.10  |
|                                                |                       |                                   |                                    | Orig KB Elev (ft)<br>3,357.10 |
|                                                |                       |                                   |                                    | Tubing Head Elevation (ft)    |

**Survey Data**

| Date      | MD (ftKB) | Incl (°) | Azm (°) | TVD (ftKB) | VS (ft)  | N/S (ft) | E/W (ft) | DLS<br>(°/100ft) | Survey<br>Tool | Survey Company |
|-----------|-----------|----------|---------|------------|----------|----------|----------|------------------|----------------|----------------|
| 3/10/2015 | 9,613.00  | 89.16    | 94.42   | 9,047.00   | 703.27   | -90.59   | 697.65   | 1.71             | MWD            |                |
| 3/10/2015 | 9,707.00  | 88.99    | 97.14   | 9,048.52   | 797.25   | -100.06  | 791.15   | 2.90             | MWD            |                |
| 3/10/2015 | 9,801.00  | 90.13    | 97.06   | 9,049.24   | 891.23   | -111.68  | 884.42   | 1.22             | MWD            |                |
| 3/10/2015 | 9,896.00  | 90.31    | 97.58   | 9,048.88   | 986.20   | -123.78  | 978.65   | 0.58             | MWD            |                |
| 3/10/2015 | 9,990.00  | 89.69    | 96.74   | 9,048.88   | 1,080.18 | -135.50  | 1,071.91 | 1.11             | MWD            |                |
| 3/10/2015 | 10,084.00 | 89.60    | 97.07   | 9,049.46   | 1,174.16 | -146.80  | 1,165.23 | 0.36             | MWD            |                |
| 3/10/2015 | 10,179.00 | 89.52    | 97.53   | 9,050.19   | 1,269.13 | -158.87  | 1,259.46 | 0.49             | MWD            |                |
| 3/10/2015 | 10,273.00 | 89.34    | 96.63   | 9,051.12   | 1,363.11 | -170.45  | 1,352.73 | 0.98             | MWD            |                |
| 3/10/2015 | 10,368.00 | 89.16    | 96.93   | 9,052.37   | 1,458.09 | -181.67  | 1,447.06 | 0.37             | MWD            |                |
| 3/10/2015 | 10,462.00 | 88.99    | 95.23   | 9,053.88   | 1,552.07 | -191.62  | 1,540.52 | 1.82             | MWD            |                |
| 3/10/2015 | 10,557.00 | 90.04    | 94.99   | 9,054.69   | 1,647.06 | -200.08  | 1,635.13 | 1.13             | MWD            |                |
| 3/10/2015 | 10,651.00 | 90.04    | 95.32   | 9,054.62   | 1,741.05 | -208.53  | 1,728.75 | 0.35             | MWD            |                |
| 3/10/2015 | 10,746.00 | 89.16    | 96.10   | 9,055.29   | 1,836.05 | -217.98  | 1,823.28 | 1.24             | MWD            |                |
| 3/10/2015 | 10,840.00 | 88.11    | 96.93   | 9,057.53   | 1,930.01 | -228.64  | 1,916.64 | 1.42             | MWD            |                |
| 3/10/2015 | 10,935.00 | 88.37    | 95.95   | 9,060.44   | 2,024.96 | -239.29  | 2,011.00 | 1.07             | MWD            |                |
| 3/10/2015 | 11,029.00 | 90.22    | 95.53   | 9,061.60   | 2,118.95 | -248.69  | 2,104.51 | 2.02             | MWD            |                |
| 3/10/2015 | 11,123.00 | 91.10    | 95.78   | 9,060.52   | 2,212.94 | -257.96  | 2,198.05 | 0.97             | MWD            |                |
| 3/10/2015 | 11,218.00 | 90.92    | 96.78   | 9,058.84   | 2,307.92 | -268.35  | 2,292.46 | 1.07             | MWD            |                |
| 3/10/2015 | 11,312.00 | 89.78    | 95.25   | 9,058.27   | 2,401.92 | -278.19  | 2,385.94 | 2.03             | MWD            |                |
| 3/10/2015 | 11,407.00 | 89.69    | 95.11   | 9,058.71   | 2,496.91 | -286.77  | 2,480.55 | 0.18             | MWD            |                |
| 3/10/2015 | 11,501.00 | 89.25    | 95.54   | 9,059.58   | 2,590.90 | -295.50  | 2,574.14 | 0.65             | MWD            |                |
| 3/10/2015 | 11,595.00 | 88.81    | 96.21   | 9,061.17   | 2,684.88 | -305.12  | 2,667.63 | 0.85             | MWD            |                |
| 3/10/2015 | 11,690.00 | 89.60    | 95.08   | 9,062.49   | 2,779.87 | -314.46  | 2,762.16 | 1.45             | MWD            |                |
| 3/10/2015 | 11,784.00 | 89.52    | 95.39   | 9,063.21   | 2,873.86 | -323.04  | 2,855.77 | 0.34             | MWD            |                |
| 3/10/2015 | 11,879.00 | 88.90    | 95.33   | 9,064.52   | 2,968.85 | -331.91  | 2,950.34 | 0.66             | MWD            |                |
| 3/10/2015 | 11,973.00 | 89.78    | 95.48   | 9,065.60   | 3,062.84 | -340.76  | 3,043.92 | 0.95             | MWD            |                |
| 3/10/2015 | 12,068.00 | 90.92    | 95.50   | 9,065.02   | 3,157.83 | -349.85  | 3,138.48 | 1.20             | MWD            |                |
| 3/10/2015 | 12,162.00 | 90.75    | 95.32   | 9,063.65   | 3,251.82 | -358.71  | 3,232.05 | 0.26             | MWD            |                |
| 3/10/2015 | 12,257.00 | 90.22    | 95.77   | 9,062.85   | 3,346.81 | -367.89  | 3,326.60 | 0.73             | MWD            |                |
| 3/10/2015 | 12,351.00 | 89.87    | 96.35   | 9,062.77   | 3,440.81 | -377.82  | 3,420.07 | 0.72             | MWD            |                |
| 3/10/2015 | 12,446.00 | 89.43    | 96.43   | 9,063.35   | 3,535.80 | -388.39  | 3,514.48 | 0.47             | MWD            |                |
| 3/10/2015 | 12,541.00 | 89.34    | 96.98   | 9,064.37   | 3,630.79 | -399.48  | 3,608.83 | 0.59             | MWD            |                |
| 3/10/2015 | 12,635.00 | 89.60    | 97.42   | 9,065.24   | 3,724.76 | -411.26  | 3,702.08 | 0.54             | MWD            |                |
| 3/10/2015 | 12,730.00 | 88.81    | 97.76   | 9,066.56   | 3,819.71 | -423.81  | 3,796.24 | 0.91             | MWD            |                |
| 3/10/2015 | 12,825.00 | 87.67    | 97.75   | 9,069.48   | 3,914.62 | -436.62  | 3,890.32 | 1.20             | MWD            |                |
| 3/10/2015 | 12,919.00 | 88.37    | 97.74   | 9,072.73   | 4,008.52 | -449.28  | 3,983.41 | 0.74             | MWD            |                |
| 3/10/2015 | 13,014.00 | 89.52    | 96.00   | 9,074.48   | 4,103.48 | -460.64  | 4,077.71 | 2.20             | MWD            |                |
| 3/10/2015 | 13,109.00 | 89.16    | 95.65   | 9,075.57   | 4,198.47 | -470.28  | 4,172.21 | 0.53             | MWD            |                |
| 3/10/2015 | 13,203.00 | 87.85    | 96.13   | 9,078.02   | 4,292.44 | -479.92  | 4,265.68 | 1.48             | MWD            |                |
| 3/10/2015 | 13,298.00 | 89.69    | 96.04   | 9,080.06   | 4,387.41 | -489.99  | 4,360.12 | 1.94             | MWD            |                |
| 3/10/2015 | 13,393.00 | 89.34    | 96.05   | 9,080.87   | 4,482.41 | -500.00  | 4,454.59 | 0.37             | MWD            |                |
| 3/10/2015 | 13,487.00 | 88.55    | 96.01   | 9,082.60   | 4,576.39 | -509.87  | 4,548.05 | 0.84             | MWD            |                |
| 3/10/2015 | 13,582.00 | 88.11    | 95.52   | 9,085.36   | 4,671.35 | -519.41  | 4,642.53 | 0.69             | MWD            |                |
| 3/10/2015 | 13,677.00 | 89.43    | 95.71   | 9,087.40   | 4,766.33 | -528.70  | 4,737.05 | 1.40             | MWD            |                |
| 3/10/2015 | 13,771.00 | 88.99    | 95.83   | 9,088.70   | 4,860.32 | -538.15  | 4,830.56 | 0.49             | MWD            |                |
| 3/10/2015 | 13,866.00 | 88.02    | 96.20   | 9,091.18   | 4,955.28 | -548.10  | 4,925.01 | 1.09             | MWD            |                |
| 3/10/2015 | 13,960.00 | 87.67    | 95.61   | 9,094.71   | 5,049.22 | -557.76  | 5,018.44 | 0.73             | MWD            |                |
| 3/10/2015 | 14,034.00 | 88.20    | 96.26   | 9,097.38   | 5,123.17 | -565.41  | 5,092.00 | 1.13             | MWD            |                |
| 3/10/2015 | 14,101.00 | 88.20    | 96.26   | 9,099.48   | 5,190.13 | -572.71  | 5,158.56 | 0.00             | BIT            |                |