



# DrilTech, LLC

## MWD Survey Report

Job No: 2014-445-EODT-NM

HOBBSOCD

MAR 04 2015

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|                          |                           |
|--------------------------|---------------------------|
| Operator:                | EOG Resources, Inc        |
| Well Name:               | Hearns 27 State Com #501H |
| Location:                | Lea Co., NM.              |
| Rig:                     | H&P 260                   |
| Directional Drilling Co: | EOG Resources             |
| Well API #:              | 30-025-42085              |
| Tie Into:                | Surface                   |
| Tie-In Date:             | 11/1/2014                 |
| Date Completed:          | 11/17/2014                |

|                               |                  |                  |                                |                  |   |         |   |   |
|-------------------------------|------------------|------------------|--------------------------------|------------------|---|---------|---|---|
| Reference Coordinates:        | LAT:             | 32               | °                              | 10               | ' | 54.4765 | " | N |
|                               | LON:             | 103              | °                              | 33               | ' | 59.0150 | " | W |
| Reference Grid Coordinates:   | X:               | 737281.00 (ft)   |                                |                  |   |         |   |   |
|                               | Y:               | 430705.00 (ft)   |                                |                  |   |         |   |   |
| Reference Grid:               | NAD 27           |                  |                                |                  |   |         |   |   |
| Zone:                         | New Mexico East  |                  |                                |                  |   |         |   |   |
| (UTM or Lambert):             | UTM              |                  |                                |                  |   |         |   |   |
| Survey Vertical Reference:    | 25.00            | (ft)             | Rotary Table to Ground Level   |                  |   |         |   |   |
| Elevation:                    | 3479.00          | (ft)             | Ground Level to Mean Sea Level |                  |   |         |   |   |
| Vertical Section Plane:       | 181.66           | (deg)            |                                |                  |   |         |   |   |
| North Alignment:              | Grid North       |                  |                                |                  |   |         |   |   |
| <b>Magnetic Data</b>          | <b>Section 1</b> | <b>Section 2</b> | <b>Section 3</b>               | <b>Section 4</b> |   |         |   |   |
| Magnetic Declination (deg)    | 7.17             |                  |                                |                  |   |         |   |   |
| Grid (deg)                    | -0.38            |                  |                                |                  |   |         |   |   |
| <b>TOTAL CORRECTION (deg)</b> | <b>6.79</b>      |                  |                                |                  |   |         |   |   |
| Depth Start (MD Ft)           | 0.00             |                  |                                |                  |   |         |   |   |
| Depth End (MD Ft)             | 16120.00         |                  |                                |                  |   |         |   |   |
| REMARKS:                      |                  |                  |                                |                  |   |         |   |   |
|                               |                  |                  |                                |                  |   |         |   |   |
|                               |                  |                  |                                |                  |   |         |   |   |
|                               |                  |                  |                                |                  |   |         |   |   |
|                               |                  |                  |                                |                  |   |         |   |   |
|                               |                  |                  |                                |                  |   |         |   |   |

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 Well: Hearns 27 State Com #501H  
 Location: Lea Co., NM.  
 Rig: H&P 260

Job Number: 2014-445-EODT-NM  
 Vertical Section Plane: 181.66  
 WELL API #: 30-025-42085  
 Tie Into: Surface

Calculation Method Minimum Curvature

| Survey # | Survey Tool Type | Survey Depth (ft) | Inclination (deg) | Azimuth (deg) | Course Length (ft) | True Vertical Depth (ft) | Vertical Section (ft) | Coordinates |          | Closure       |             | Dogleg Severity (d/100') | Build Rate (d/100') |
|----------|------------------|-------------------|-------------------|---------------|--------------------|--------------------------|-----------------------|-------------|----------|---------------|-------------|--------------------------|---------------------|
|          |                  |                   |                   |               |                    |                          |                       | N/S (ft)    | E/W (ft) | Distance (ft) | Angle (deg) |                          |                     |
| Tie In   | Surf             | 0.00              | 0.00              | 0.00          | 0.00               | 0.00                     | 0.00                  | 0.00        | 0.00     | 0.00          | 0.00        | 0.00                     | 0.00                |
| 1        | MWD              | 195.00            | 0.90              | 223.70        | 195                | 194.99                   | 1.14                  | 1.11 S      | 1.06 W   | 1.53          | 223.70      | 0.46                     | 0.46                |
| 2        | MWD              | 393.00            | 0.90              | 182.00        | 198                | 392.97                   | 3.85                  | 3.79 S      | 2.19 W   | 4.37          | 210.01      | 0.32                     | 0.00                |
| 3        | MWD              | 517.00            | 0.90              | 163.10        | 124                | 516.95                   | 5.74                  | 5.69 S      | 1.94 W   | 6.01          | 198.80      | 0.24                     | 0.00                |
| 4        | MWD              | 700.00            | 0.90              | 123.20        | 183                | 699.93                   | 7.86                  | 7.85 S      | 0.32 W   | 7.86          | 182.31      | 0.34                     | 0.00                |
| 5        | MWD              | 885.00            | 1.80              | 112.40        | 185                | 884.88                   | 9.65                  | 9.76 S      | 3.58 E   | 10.39         | 159.82      | 0.50                     | 0.49                |
| 6        | MWD              | 1040.00           | 2.30              | 103.80        | 155                | 1039.78                  | 11.16                 | 11.43 S     | 8.86 E   | 14.46         | 142.22      | 0.38                     | 0.32                |
| 7        | MWD              | 1215.00           | 1.90              | 98.90         | 175                | 1214.66                  | 12.27                 | 12.71 S     | 15.13 E  | 19.76         | 130.03      | 0.25                     | -0.23               |
| 8        | MWD              | 1367.00           | 1.80              | 108.60        | 152                | 1366.58                  | 13.28                 | 13.86 S     | 19.88 E  | 24.24         | 124.88      | 0.22                     | -0.07               |
| 9        | MWD              | 1556.00           | 1.06              | 284.20        | 189                | 1555.56                  | 13.77                 | 14.38 S     | 21.00 E  | 25.45         | 124.40      | 1.51                     | -0.39               |
| 10       | MWD              | 1745.00           | 2.50              | 282.90        | 189                | 1744.47                  | 12.58                 | 13.03 S     | 15.29 E  | 20.09         | 130.44      | 0.76                     | 0.76                |
| 11       | MWD              | 1935.00           | 2.30              | 284.50        | 190                | 1934.30                  | 10.93                 | 11.15 S     | 7.56 E   | 13.47         | 145.87      | 0.11                     | -0.11               |
| 12       | MWD              | 2124.00           | 2.30              | 281.40        | 189                | 2123.15                  | 9.44                  | 9.45 S      | 0.17 E   | 9.45          | 178.97      | 0.07                     | 0.00                |
| 13       | MWD              | 2313.00           | 2.30              | 281.40        | 189                | 2311.99                  | 8.16                  | 7.95 S      | 7.26 W   | 10.77         | 222.41      | 0.00                     | 0.00                |
| 14       | MWD              | 2503.00           | 2.10              | 287.50        | 190                | 2501.85                  | 6.57                  | 6.15 S      | 14.32 W  | 15.59         | 246.75      | 0.16                     | -0.11               |
| 15       | MWD              | 2692.00           | 2.10              | 299.80        | 189                | 2690.73                  | 3.99                  | 3.39 S      | 20.63 W  | 20.91         | 260.67      | 0.24                     | 0.00                |
| 16       | MWD              | 2881.00           | 1.90              | 319.30        | 189                | 2879.61                  | 0.04                  | 0.71 N      | 25.68 W  | 25.69         | 271.57      | 0.37                     | -0.11               |
| 17       | MWD              | 3071.00           | 2.60              | 307.60        | 190                | 3069.47                  | -4.82                 | 5.72 N      | 31.15 W  | 31.67         | 280.41      | 0.44                     | 0.37                |
| 18       | MWD              | 3260.00           | 2.60              | 300.50        | 189                | 3258.27                  | -9.40                 | 10.51 N     | 38.24 W  | 39.66         | 285.37      | 0.17                     | 0.00                |
| 19       | MWD              | 3450.00           | 2.30              | 312.30        | 190                | 3448.10                  | -13.96                | 15.27 N     | 44.77 W  | 47.30         | 288.83      | 0.31                     | -0.16               |
| 20       | MWD              | 3639.00           | 2.10              | 263.10        | 189                | 3636.98                  | -15.92                | 17.40 N     | 51.01 W  | 53.90         | 288.84      | 0.97                     | -0.11               |
| 21       | MWD              | 3828.00           | 1.80              | 280.50        | 189                | 3825.87                  | -15.86                | 17.53 N     | 57.37 W  | 59.99         | 286.99      | 0.35                     | -0.16               |
| 22       | MWD              | 4018.00           | 1.60              | 274.20        | 190                | 4015.79                  | -16.44                | 18.27 N     | 62.95 W  | 65.55         | 286.18      | 0.14                     | -0.11               |
| 23       | MWD              | 4207.00           | 1.40              | 285.90        | 189                | 4204.72                  | -17.12                | 19.09 N     | 67.80 W  | 70.44         | 285.73      | 0.19                     | -0.11               |
| 24       | MWD              | 4396.00           | 1.20              | 289.60        | 189                | 4393.67                  | -18.30                | 20.39 N     | 71.89 W  | 74.72         | 285.83      | 0.11                     | -0.11               |
| 25       | MWD              | 4586.00           | 0.40              | 57.80         | 190                | 4583.66                  | -19.28                | 21.41 N     | 73.20 W  | 76.27         | 286.30      | 0.78                     | -0.42               |
| 26       | MWD              | 4775.00           | 0.90              | 127.40        | 189                | 4772.65                  | -18.78                | 20.86 N     | 71.46 W  | 74.44         | 286.27      | 0.45                     | 0.26                |
| 27       | MWD              | 4964.00           | 1.80              | 129.50        | 189                | 4961.60                  | -16.09                | 18.07 N     | 67.99 W  | 70.35         | 284.88      | 0.48                     | 0.48                |
| 28       | MWD              | 4995.00           | 1.60              | 134.80        | 31                 | 4992.58                  | -15.50                | 17.46 N     | 67.31 W  | 69.54         | 284.54      | 0.82                     | -0.65               |
| 29       | MWD              | 5132.00           | 1.40              | 137.70        | 137                | 5129.53                  | -12.99                | 14.87 N     | 64.83 W  | 66.51         | 282.92      | 0.16                     | -0.15               |
| 30       | MWD              | 5321.00           | 2.30              | 276.60        | 189                | 5318.49                  | -11.65                | 13.60 N     | 67.04 W  | 68.40         | 281.47      | 1.84                     | 0.48                |
| 31       | MWD              | 5511.00           | 2.30              | 274.20        | 190                | 5508.34                  | -12.15                | 14.32 N     | 74.63 W  | 75.99         | 280.86      | 0.05                     | 0.00                |
| 32       | MWD              | 5700.00           | 2.10              | 271.30        | 189                | 5697.20                  | -12.29                | 14.67 N     | 81.87 W  | 83.18         | 280.16      | 0.12                     | -0.11               |
| 33       | MWD              | 5890.00           | 2.10              | 265.70        | 190                | 5887.07                  | -11.91                | 14.49 N     | 88.82 W  | 90.00         | 279.26      | 0.11                     | 0.00                |
| 34       | MWD              | 6079.00           | 1.90              | 270.30        | 189                | 6075.95                  | -11.48                | 14.25 N     | 95.41 W  | 96.47         | 278.49      | 0.14                     | -0.11               |



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Rig: H&P 260

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Vertical Section Plane: 181.66  
WELL API #: 30-025-42085  
Tie Into: Surface

Calculation Method Minimum Curvature

| Survey # | Survey Tool Type | Survey Depth (ft) | Inclination (deg) | Azimuth (deg) | Course Length (ft) | True Vertical Depth (ft) | Vertical Section (ft) | Coordinates |            | Distance (ft) | Closure Angle (deg) | Dogleg Severity (d/100') | Build Rate (d/100') |
|----------|------------------|-------------------|-------------------|---------------|--------------------|--------------------------|-----------------------|-------------|------------|---------------|---------------------|--------------------------|---------------------|
| 35       | MWD              | 6268.00           | 1.80              | 266.20        | 189                | 6264.85                  | -11.12                | 14.07       | N 101.51 W | 102.48        | 277.89              | 0.09                     | -0.05               |
| 36       | MWD              | 6458.00           | 1.80              | 268.90        | 190                | 6454.76                  | -10.69                | 13.81       | N 107.47 W | 108.35        | 277.32              | 0.04                     | 0.00                |
| 37       | MWD              | 6647.00           | 1.80              | 266.10        | 189                | 6643.67                  | -10.26                | 13.55       | N 113.40 W | 114.20        | 276.82              | 0.05                     | 0.00                |
| 38       | MWD              | 6836.00           | 1.80              | 270.30        | 189                | 6832.57                  | -9.90                 | 13.37       | N 119.33 W | 120.07        | 276.39              | 0.07                     | 0.00                |
| 39       | MWD              | 7026.00           | 3.00              | 273.10        | 190                | 7022.40                  | -9.96                 | 13.65       | N 127.27 W | 128.00        | 276.12              | 0.63                     | 0.63                |
| 40       | MWD              | 7215.00           | 3.50              | 268.20        | 189                | 7211.10                  | -9.73                 | 13.74       | N 137.98 W | 138.66        | 275.69              | 0.30                     | 0.26                |
| 41       | MWD              | 7405.00           | 3.50              | 265.20        | 190                | 7400.75                  | -8.73                 | 13.07       | N 149.56 W | 150.13        | 274.99              | 0.10                     | 0.00                |
| 42       | MWD              | 7594.00           | 3.50              | 281.70        | 189                | 7589.40                  | -9.09                 | 13.76       | N 160.95 W | 161.54        | 274.88              | 0.53                     | 0.00                |
| 43       | MWD              | 7784.00           | 3.20              | 281.40        | 190                | 7779.07                  | -11.00                | 15.98       | N 171.83 W | 172.57        | 275.31              | 0.16                     | -0.16               |
| 44       | MWD              | 7973.00           | 2.80              | 268.50        | 189                | 7967.82                  | -11.63                | 16.90       | N 181.62 W | 182.40        | 275.32              | 0.41                     | -0.21               |
| 45       | MWD              | 8162.00           | 1.60              | 251.30        | 189                | 8156.67                  | -10.46                | 15.94       | N 188.73 W | 189.40        | 274.83              | 0.72                     | -0.63               |
| 46       | MWD              | 8351.00           | 1.10              | 207.90        | 189                | 8345.63                  | -7.92                 | 13.49       | N 192.08 W | 192.55        | 274.02              | 0.58                     | -0.26               |
| 47       | MWD              | 8540.00           | 1.20              | 202.40        | 189                | 8534.59                  | -4.44                 | 10.05       | N 193.68 W | 193.94        | 272.97              | 0.08                     | 0.05                |
| 48       | MWD              | 8730.00           | 0.50              | 91.90         | 190                | 8724.57                  | -2.57                 | 8.19        | N 193.61 W | 193.79        | 272.42              | 0.76                     | -0.37               |
| 49       | MWD              | 8919.00           | 0.90              | 329.20        | 189                | 8913.57                  | -3.82                 | 9.43        | N 193.55 W | 193.78        | 272.79              | 0.66                     | 0.21                |
| 50       | MWD              | 9109.00           | 0.90              | 326.20        | 190                | 9103.54                  | -6.30                 | 11.96       | N 195.14 W | 195.51        | 273.51              | 0.02                     | 0.00                |
| 51       | MWD              | 9298.00           | 0.40              | 274.20        | 189                | 9292.53                  | -7.54                 | 13.24       | N 196.63 W | 197.07        | 273.85              | 0.38                     | -0.26               |
| 52       | MWD              | 9487.00           | 1.40              | 307.20        | 189                | 9481.51                  | -8.91                 | 14.68       | N 199.12 W | 199.66        | 274.22              | 0.57                     | 0.53                |
| 53       | MWD              | 9676.00           | 1.80              | 290.90        | 189                | 9670.43                  | -11.23                | 17.14       | N 203.74 W | 204.45        | 274.81              | 0.32                     | 0.21                |
| 54       | MWD              | 9866.00           | 2.30              | 321.40        | 190                | 9860.32                  | -15.12                | 21.18       | N 208.90 W | 209.97        | 275.79              | 0.62                     | 0.26                |
| 55       | MWD              | 10056.00          | 3.30              | 287.30        | 190                | 10050.10                 | -19.50                | 25.79       | N 216.50 W | 218.03        | 276.79              | 1.00                     | 0.53                |
| 56       | MWD              | 10245.00          | 2.80              | 286.10        | 189                | 10238.83                 | -22.12                | 28.68       | N 226.13 W | 227.94        | 277.23              | 0.27                     | -0.26               |
| 57       | MWD              | 10402.00          | 2.60              | 284.20        | 157                | 10395.66                 | -23.85                | 30.62       | N 233.27 W | 235.27        | 277.48              | 0.14                     | -0.13               |
| 58       | MWD              | 10440.00          | 2.80              | 283.60        | 38                 | 10433.61                 | -24.23                | 31.05       | N 235.01 W | 237.05        | 277.53              | 0.53                     | 0.53                |
| 59       | MWD              | 10487.00          | 2.80              | 201.90        | 47                 | 10480.57                 | -23.39                | 30.26       | N 236.55 W | 238.48        | 277.29              | 7.79                     | 0.00                |
| 60       | MWD              | 10535.00          | 7.60              | 197.70        | 48                 | 10528.36                 | -19.24                | 26.14       | N 237.95 W | 239.38        | 276.27              | 10.02                    | 10.00               |
| 61       | MWD              | 10582.00          | 10.70             | 189.40        | 47                 | 10574.76                 | -11.92                | 18.87       | N 239.61 W | 240.35        | 274.50              | 7.15                     | 6.60                |
| 62       | MWD              | 10629.00          | 14.30             | 188.50        | 47                 | 10620.64                 | -1.84                 | 8.83        | N 241.18 W | 241.34        | 272.10              | 7.67                     | 7.66                |
| 63       | MWD              | 10676.00          | 19.70             | 184.30        | 47                 | 10665.57                 | 11.85                 | 4.83        | S 242.64 W | 242.68        | 268.86              | 11.78                    | 11.49               |
| 64       | MWD              | 10724.00          | 24.80             | 180.50        | 48                 | 10709.99                 | 30.01                 | 22.97       | S 243.33 W | 244.41        | 264.61              | 11.03                    | 10.63               |
| 65       | MWD              | 10771.00          | 29.60             | 173.40        | 47                 | 10751.79                 | 51.37                 | 44.38       | S 242.08 W | 246.12        | 259.61              | 12.31                    | 10.21               |
| 66       | MWD              | 10819.00          | 32.20             | 177.80        | 48                 | 10792.98                 | 75.87                 | 68.94       | S 240.23 W | 249.92        | 253.99              | 7.17                     | 5.42                |
| 67       | MWD              | 10866.00          | 35.90             | 177.10        | 47                 | 10831.91                 | 102.11                | 95.23       | S 239.05 W | 257.32        | 248.28              | 7.92                     | 7.87                |
| 68       | MWD              | 10914.00          | 41.50             | 172.70        | 48                 | 10869.36                 | 131.88                | 125.08      | S 236.31 W | 267.38        | 242.11              | 12.99                    | 11.67               |
| 69       | MWD              | 10961.00          | 47.70             | 171.00        | 47                 | 10902.81                 | 164.37                | 157.73      | S 231.61 W | 280.22        | 235.74              | 13.43                    | 13.19               |
| 70       | MWD              | 11008.00          | 53.30             | 172.60        | 47                 | 10932.70                 | 200.09                | 193.61      | S 226.46 W | 297.94        | 229.47              | 12.20                    | 11.91               |
| 71       | MWD              | 11055.00          | 57.70             | 174.30        | 47                 | 10959.31                 | 238.42                | 232.08      | S 222.06 W | 321.21        | 223.74              | 9.82                     | 9.36                |
| 72       | MWD              | 11103.00          | 62.50             | 177.60        | 48                 | 10983.24                 | 279.80                | 273.57      | S 219.15 W | 350.53        | 218.70              | 11.64                    | 10.00               |



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|----------|------------------|-------------------|-------------------|---------------|--------------------|--------------------------|-----------------------|-------------|----------|---------------|-------------|--------------------------|---------------------|
|          |                  |                   |                   |               |                    |                          |                       | N/S (ft)    | E/W (ft) | Distance (ft) | Angle (deg) |                          |                     |
| 73       | MWD              | 11150.00          | 66.30             | 176.40        | 47                 | 11003.54                 | 322.04                | 315.89 S    | 216.93 W | 383.20        | 214.48      | 8.41                     | 8.09                |
| 74       | MWD              | 11197.00          | 70.20             | 176.40        | 47                 | 11020.96                 | 365.50                | 359.45 S    | 214.18 W | 418.42        | 210.79      | 8.30                     | 8.30                |
| 75       | MWD              | 11244.00          | 74.10             | 175.20        | 47                 | 11035.36                 | 410.00                | 404.06 S    | 210.90 W | 455.79        | 207.56      | 8.65                     | 8.30                |
| 76       | MWD              | 11292.00          | 75.50             | 175.90        | 48                 | 11047.95                 | 456.05                | 450.24 S    | 207.31 W | 495.67        | 204.72      | 3.24                     | 2.92                |
| 77       | MWD              | 11339.00          | 79.20             | 177.30        | 47                 | 11058.24                 | 501.72                | 496.01 S    | 204.60 W | 536.55        | 202.42      | 8.39                     | 7.87                |
| 78       | MWD              | 11383.00          | 83.00             | 176.60        | 44                 | 11065.04                 | 545.04                | 539.41 S    | 202.28 W | 576.09        | 200.56      | 8.78                     | 8.64                |
| 79       | MWD              | 11479.00          | 90.80             | 177.30        | 96                 | 11070.23                 | 640.50                | 635.06 S    | 197.19 W | 664.97        | 197.25      | 8.16                     | 8.13                |
| 80       | MWD              | 11574.00          | 90.40             | 178.40        | 95                 | 11069.24                 | 735.28                | 729.98 S    | 193.62 W | 755.22        | 194.86      | 1.23                     | -0.42               |
| 81       | MWD              | 11668.00          | 90.10             | 178.40        | 94                 | 11068.83                 | 829.13                | 823.94 S    | 191.00 W | 845.79        | 193.05      | 0.32                     | -0.32               |
| 82       | MWD              | 11763.00          | 90.60             | 178.90        | 95                 | 11068.25                 | 924.00                | 918.92 S    | 188.76 W | 938.10        | 191.61      | 0.74                     | 0.53                |
| 83       | MWD              | 11858.00          | 90.30             | 178.40        | 95                 | 11067.50                 | 1018.86               | 1013.89 S   | 186.52 W | 1030.90       | 190.42      | 0.61                     | -0.32               |
| 84       | MWD              | 11953.00          | 90.10             | 178.40        | 95                 | 11067.17                 | 1113.71               | 1108.85 S   | 183.87 W | 1123.99       | 189.42      | 0.21                     | -0.21               |
| 85       | MWD              | 12047.00          | 89.90             | 180.10        | 94                 | 11067.17                 | 1207.62               | 1202.84 S   | 182.64 W | 1216.62       | 188.63      | 1.82                     | -0.21               |
| 86       | MWD              | 12142.00          | 89.40             | 178.70        | 95                 | 11067.75                 | 1302.54               | 1297.83 S   | 181.65 W | 1310.48       | 187.97      | 1.56                     | -0.53               |
| 87       | MWD              | 12237.00          | 89.00             | 179.20        | 95                 | 11069.08                 | 1397.43               | 1392.80 S   | 179.90 W | 1404.37       | 187.36      | 0.67                     | -0.42               |
| 88       | MWD              | 12331.00          | 88.70             | 180.80        | 94                 | 11070.96                 | 1491.37               | 1486.78 S   | 179.90 W | 1497.62       | 186.90      | 1.73                     | -0.32               |
| 89       | MWD              | 12426.00          | 88.00             | 180.60        | 95                 | 11073.70                 | 1586.31               | 1581.73 S   | 181.06 W | 1592.06       | 186.53      | 0.77                     | -0.74               |
| 90       | MWD              | 12521.00          | 89.20             | 179.90        | 95                 | 11076.02                 | 1681.25               | 1676.70 S   | 181.48 W | 1686.49       | 186.18      | 1.46                     | 1.26                |
| 91       | MWD              | 12615.00          | 90.60             | 178.40        | 94                 | 11076.18                 | 1775.16               | 1770.69 S   | 180.08 W | 1779.82       | 185.81      | 2.18                     | 1.49                |
| 92       | MWD              | 12710.00          | 91.00             | 178.70        | 95                 | 11074.86                 | 1870.01               | 1865.65 S   | 177.68 W | 1874.09       | 185.44      | 0.53                     | 0.42                |
| 93       | MWD              | 12805.00          | 91.50             | 179.10        | 95                 | 11072.78                 | 1964.88               | 1960.60 S   | 175.86 W | 1968.48       | 185.13      | 0.67                     | 0.53                |
| 94       | MWD              | 12900.00          | 91.10             | 179.10        | 95                 | 11070.63                 | 2059.76               | 2055.57 S   | 174.37 W | 2062.95       | 184.85      | 0.42                     | -0.42               |
| 95       | MWD              | 12994.00          | 89.70             | 179.60        | 94                 | 11069.97                 | 2153.68               | 2149.56 S   | 173.30 W | 2156.53       | 184.61      | 1.58                     | -1.49               |
| 96       | MWD              | 13089.00          | 90.30             | 181.00        | 95                 | 11069.97                 | 2248.65               | 2244.55 S   | 173.80 W | 2251.27       | 184.43      | 1.60                     | 0.63                |
| 97       | MWD              | 13184.00          | 88.90             | 179.90        | 95                 | 11070.64                 | 2343.62               | 2339.54 S   | 174.54 W | 2346.05       | 184.27      | 1.87                     | -1.47               |
| 98       | MWD              | 13278.00          | 88.50             | 181.00        | 94                 | 11072.77                 | 2437.57               | 2433.52 S   | 175.28 W | 2439.82       | 184.12      | 1.24                     | -0.43               |
| 99       | MWD              | 13373.00          | 87.80             | 180.80        | 95                 | 11075.84                 | 2532.51               | 2528.45 S   | 176.77 W | 2534.63       | 184.00      | 0.77                     | -0.74               |
| 100      | MWD              | 13468.00          | 88.30             | 179.90        | 95                 | 11079.07                 | 2627.43               | 2623.40 S   | 177.35 W | 2629.38       | 183.87      | 1.08                     | 0.53                |
| 101      | MWD              | 13563.00          | 88.70             | 181.00        | 95                 | 11081.55                 | 2722.38               | 2718.36 S   | 178.10 W | 2724.19       | 183.75      | 1.23                     | 0.42                |
| 102      | MWD              | 13657.00          | 88.90             | 180.50        | 94                 | 11083.52                 | 2816.34               | 2812.33 S   | 179.33 W | 2818.04       | 183.65      | 0.57                     | 0.21                |
| 103      | MWD              | 13752.00          | 88.50             | 179.90        | 95                 | 11085.68                 | 2911.29               | 2907.30 S   | 179.66 W | 2912.85       | 183.54      | 0.76                     | -0.42               |
| 104      | MWD              | 13847.00          | 88.50             | 178.20        | 95                 | 11088.17                 | 3006.15               | 3002.25 S   | 178.09 W | 3007.53       | 183.39      | 1.79                     | 0.00                |
| 105      | MWD              | 13941.00          | 89.70             | 178.00        | 94                 | 11089.64                 | 3099.96               | 3096.19 S   | 174.97 W | 3101.13       | 183.23      | 1.29                     | 1.28                |
| 106      | MWD              | 14036.00          | 89.20             | 178.20        | 95                 | 11090.55                 | 3194.77               | 3191.13 S   | 171.82 W | 3195.75       | 183.08      | 0.57                     | -0.53               |
| 107      | MWD              | 14131.00          | 89.20             | 179.20        | 95                 | 11091.88                 | 3289.63               | 3286.10 S   | 169.66 W | 3290.47       | 182.96      | 1.05                     | 0.00                |
| 108      | MWD              | 14225.00          | 89.60             | 179.20        | 94                 | 11092.87                 | 3383.54               | 3380.08 S   | 168.35 W | 3384.27       | 182.85      | 0.43                     | 0.43                |
| 109      | MWD              | 14320.00          | 90.10             | 178.50        | 95                 | 11093.11                 | 3478.43               | 3475.06 S   | 166.45 W | 3479.05       | 182.74      | 0.91                     | 0.53                |
| 110      | MWD              | 14415.00          | 90.60             | 178.00        | 95                 | 11092.53                 | 3573.26               | 3570.02 S   | 163.54 W | 3573.76       | 182.62      | 0.74                     | 0.53                |

