

HOLDSOCD

DEC 29 2014

RECEIVED



July 15, 2014

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

Attn: David Cook

Re: **Sweetness 30 State Federal Com No. 001H**

Please find enclosed a copy of the survey from 0.00' to 11749.00' ran on the above referenced well.

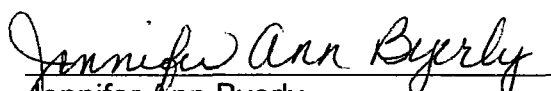
If I can be of any further service please do not hesitate to call me at 800-606-4976.

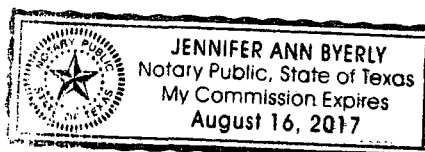
Sincerely,

  
Keith Havelka  
Operations

STATE OF TEXAS     §  
                              §  
COUNTY OF NUECES §

This instrument was acknowledged before me on the 15 day of July,  
A.D., 2014, by Keith Havelka.

  
Jennifer Ann Byerly  
Notary Public, State of Texas



JAN 26 2015



Company: Devon Energy  
Lease/Well: Sweetness 30 State Federal Com /No. 001H  
Location: Sec 30 T23S R35E  
Rig Name: H&P 391  
State/County: New Mexico/Lea  
Latitude: 32.28, Longitude: -103.40  
GRID North is 0.50 Degrees East of True North  
VS-Azi: 0.00 Degrees



HOBBSD

DEC 29 2014

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Depth Reference : RKB = 25 Feet  
DRILLOG MS GYRO SURVEY CALCULATIONS  
Filename: msgyro\_run01-01-de\_01.ut  
Minimum Curvature Method  
Report Date/Time: 7/15/2014 / 16:45  
VES Survey International  
West Texas  
432-563-5444  
Surveyor: Chris Bankson  
Sweetness 30 State Federal Com No. 001H / API 30-025-41864

| 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                        | ****                          |
| 114.26                  | 0.08                 | 58.48                     | 114.26    | 0.04        | 0.07        | 0.04                      | 0.08                      | 58.48                       | 0.07                          |
| 208.93                  | 0.75                 | 60.94                     | 208.93    | 0.37        | 0.66        | 0.37                      | 0.76                      | 60.49                       | 0.71                          |
| 303.60                  | 0.94                 | 59.30                     | 303.59    | 1.07        | 1.87        | 1.07                      | 2.15                      | 60.19                       | 0.20                          |
| 398.27                  | 1.41                 | 45.24                     | 398.24    | 2.29        | 3.36        | 2.29                      | 4.07                      | 55.78                       | 0.58                          |
| 492.94                  | 0.74                 | 38.19                     | 492.89    | 3.59        | 4.57        | 3.59                      | 5.81                      | 51.85                       | 0.73                          |
| 587.61                  | 0.27                 | 28.69                     | 587.56    | 4.26        | 5.05        | 4.26                      | 6.61                      | 49.84                       | 0.50                          |
| 682.28                  | 0.46                 | 324.42                    | 682.22    | 4.77        | 4.94        | 4.77                      | 6.86                      | 46.03                       | 0.44                          |
| 776.95                  | 1.21                 | 282.21                    | 776.88    | 5.28        | 3.75        | 5.28                      | 6.48                      | 35.35                       | 0.97                          |
| 871.62                  | 1.43                 | 266.98                    | 871.53    | 5.43        | 1.59        | 5.43                      | 5.66                      | 16.36                       | 0.44                          |
| 966.29                  | 1.88                 | 245.21                    | 966.16    | 4.72        | -1.00       | 4.72                      | 4.82                      | 348.09                      | 0.81                          |
| 1060.96                 | 2.29                 | 239.39                    | 1060.77   | 3.10        | -4.04       | 3.10                      | 5.09                      | 307.55                      | 0.49                          |
| 1155.63                 | 2.31                 | 236.81                    | 1155.36   | 1.09        | -7.26       | 1.09                      | 7.34                      | 278.58                      | 0.11                          |
| 1250.30                 | 2.97                 | 228.16                    | 1249.93   | -1.58       | -10.68      | -1.58                     | 10.79                     | 261.58                      | 0.81                          |
| 1344.97                 | 2.26                 | 221.09                    | 1344.50   | -4.62       | -13.73      | -4.62                     | 14.49                     | 251.39                      | 0.82                          |
| 1439.64                 | 2.54                 | 228.52                    | 1439.09   | -7.42       | -16.53      | -7.42                     | 18.12                     | 245.82                      | 0.44                          |
| 1534.31                 | 2.39                 | 230.96                    | 1533.67   | -10.06      | -19.64      | -10.06                    | 22.06                     | 242.89                      | 0.20                          |
| 1628.98                 | 2.11                 | 230.59                    | 1628.27   | -12.41      | -22.52      | -12.41                    | 25.71                     | 241.15                      | 0.29                          |
| 1723.65                 | 2.36                 | 238.69                    | 1722.87   | -14.52      | -25.53      | -14.52                    | 29.37                     | 240.36                      | 0.42                          |

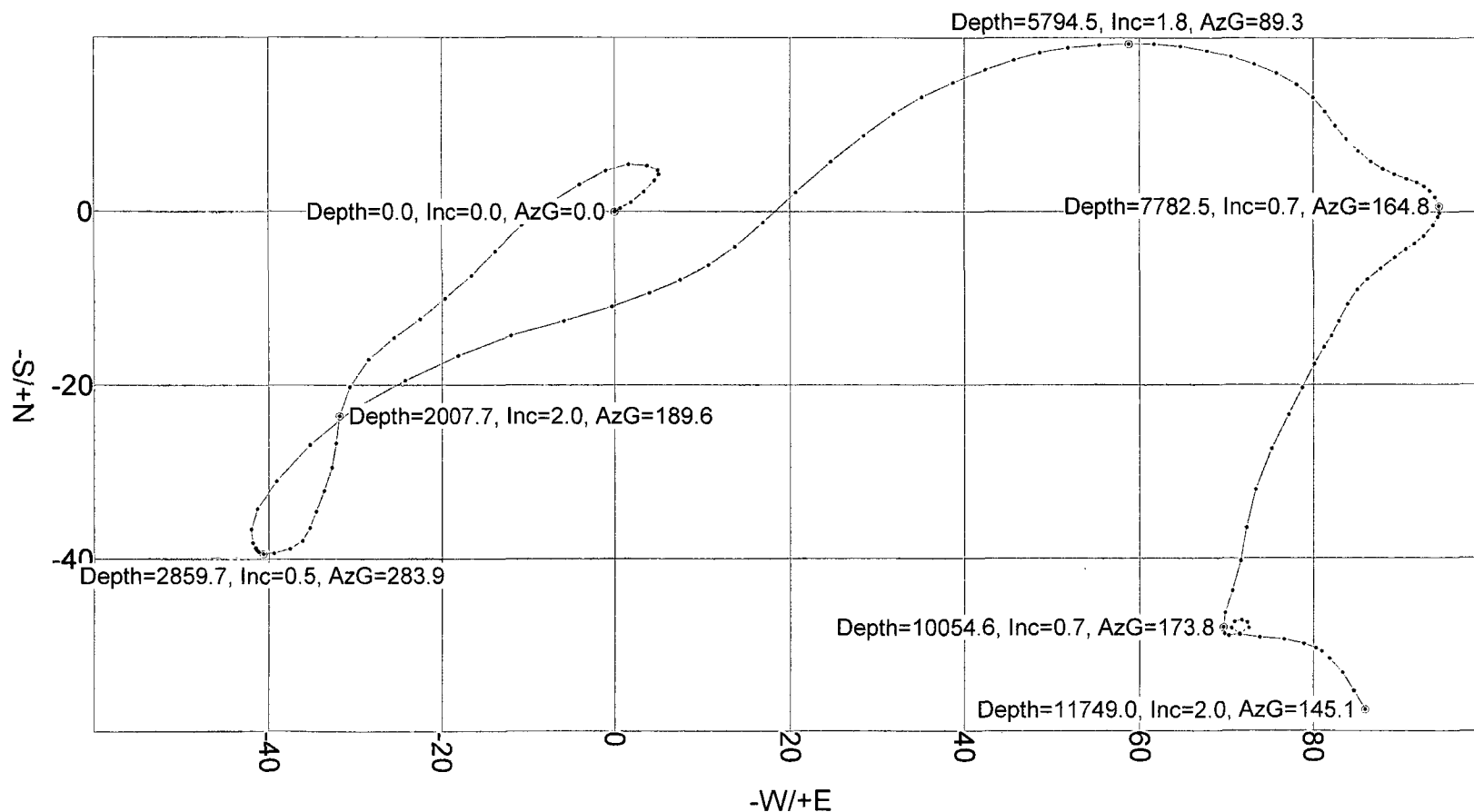
| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | TVD<br>FT | +N/-S<br>FT | +E/-W<br>FT | Vertical<br>Section<br>FT | Closure<br>Distance<br>FT | Closure<br>Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 1818.32                 | 2.37                 | 220.22                    | 1817.46   | -17.03      | -28.45      | -17.03                    | 33.16                     | 239.10                      | 0.80                          |
| 1912.99                 | 2.33                 | 208.57                    | 1912.05   | -20.21      | -30.64      | -20.21                    | 36.70                     | 236.58                      | 0.51                          |
| 2007.66                 | 1.99                 | 189.57                    | 2006.65   | -23.53      | -31.83      | -23.53                    | 39.58                     | 233.53                      | 0.83                          |
| 2102.33                 | 1.85                 | 184.46                    | 2101.27   | -26.68      | -32.22      | -26.68                    | 41.83                     | 230.38                      | 0.24                          |
| 2197.00                 | 1.62                 | 195.78                    | 2195.90   | -29.49      | -32.71      | -29.49                    | 44.03                     | 227.96                      | 0.44                          |
| 2291.67                 | 1.81                 | 200.73                    | 2290.52   | -32.17      | -33.60      | -32.17                    | 46.52                     | 226.24                      | 0.26                          |
| 2386.34                 | 1.26                 | 202.33                    | 2385.16   | -34.54      | -34.53      | -34.54                    | 48.83                     | 224.99                      | 0.58                          |
| 2481.01                 | 1.18                 | 199.97                    | 2479.81   | -36.42      | -35.25      | -36.42                    | 50.69                     | 224.07                      | 0.10                          |
| 2575.68                 | 0.91                 | 222.48                    | 2574.46   | -37.89      | -36.09      | -37.89                    | 52.33                     | 223.61                      | 0.51                          |
| 2670.35                 | 1.27                 | 249.67                    | 2669.12   | -38.80      | -37.58      | -38.80                    | 54.02                     | 224.09                      | 0.66                          |
| 2765.02                 | 1.04                 | 260.20                    | 2763.77   | -39.31      | -39.41      | -39.31                    | 55.67                     | 225.07                      | 0.33                          |
| 2859.69                 | 0.46                 | 283.92                    | 2858.43   | -39.37      | -40.63      | -39.37                    | 56.57                     | 225.90                      | 0.68                          |
| 2954.36                 | 0.26                 | 307.70                    | 2953.10   | -39.15      | -41.16      | -39.15                    | 56.81                     | 226.44                      | 0.25                          |
| 3049.03                 | 0.12                 | 326.30                    | 3047.77   | -38.93      | -41.39      | -38.93                    | 56.82                     | 226.76                      | 0.16                          |
| 3143.70                 | 0.21                 | 329.64                    | 3142.44   | -38.70      | -41.54      | -38.70                    | 56.77                     | 227.03                      | 0.09                          |
| 3238.37                 | 0.58                 | 332.53                    | 3237.10   | -38.12      | -41.85      | -38.12                    | 56.61                     | 227.67                      | 0.40                          |
| 3333.04                 | 1.38                 | 2.40                      | 3331.76   | -36.55      | -42.02      | -36.55                    | 55.70                     | 228.98                      | 0.97                          |
| 3427.71                 | 1.68                 | 28.30                     | 3426.40   | -34.20      | -41.31      | -34.20                    | 53.63                     | 230.39                      | 0.79                          |
| 3522.38                 | 2.99                 | 38.76                     | 3520.99   | -31.05      | -39.11      | -31.05                    | 49.94                     | 231.56                      | 1.44                          |
| 3617.05                 | 3.94                 | 45.66                     | 3615.48   | -26.86      | -35.24      | -26.86                    | 44.31                     | 232.69                      | 1.10                          |
| 3711.72                 | 3.95                 | 55.59                     | 3709.93   | -22.74      | -30.23      | -22.74                    | 37.83                     | 233.05                      | 0.72                          |
| 3806.39                 | 4.36                 | 66.13                     | 3804.35   | -19.44      | -24.25      | -19.44                    | 31.08                     | 231.28                      | 0.91                          |
| 3901.06                 | 3.95                 | 64.34                     | 3898.77   | -16.58      | -18.02      | -16.58                    | 24.49                     | 227.39                      | 0.45                          |
| 3995.73                 | 3.93                 | 73.80                     | 3993.22   | -14.26      | -11.97      | -14.26                    | 18.62                     | 220.01                      | 0.69                          |
| 4090.40                 | 3.66                 | 75.75                     | 4087.68   | -12.61      | -5.93       | -12.61                    | 13.94                     | 205.18                      | 0.32                          |
| 4185.07                 | 3.38                 | 70.62                     | 4182.18   | -10.95      | -0.38       | -10.95                    | 10.95                     | 181.97                      | 0.45                          |
| 4279.74                 | 2.16                 | 69.41                     | 4276.73   | -9.39       | 3.93        | -9.39                     | 10.18                     | 157.32                      | 1.28                          |
| 4374.41                 | 2.48                 | 64.45                     | 4371.33   | -7.88       | 7.44        | -7.88                     | 10.84                     | 136.65                      | 0.39                          |
| 4469.08                 | 1.98                 | 59.23                     | 4465.92   | -6.17       | 10.69       | -6.17                     | 12.34                     | 119.97                      | 0.57                          |
| 4563.75                 | 2.47                 | 51.99                     | 4560.52   | -4.08       | 13.70       | -4.08                     | 14.29                     | 106.57                      | 0.59                          |
| 4658.42                 | 2.72                 | 46.13                     | 4655.10   | -1.26       | 16.92       | -1.26                     | 16.97                     | 94.27                       | 0.39                          |
| 4753.09                 | 3.50                 | 48.08                     | 4749.62   | 2.23        | 20.70       | 2.23                      | 20.82                     | 83.85                       | 0.83                          |
| 4847.76                 | 2.95                 | 49.34                     | 4844.14   | 5.75        | 24.70       | 5.75                      | 25.36                     | 76.90                       | 0.59                          |
| 4942.43                 | 2.92                 | 53.06                     | 4938.69   | 8.78        | 28.47       | 8.78                      | 29.80                     | 72.85                       | 0.20                          |
| 5037.10                 | 2.22                 | 55.43                     | 5033.26   | 11.27       | 31.91       | 11.27                     | 33.84                     | 70.54                       | 0.75                          |
| 5131.77                 | 2.35                 | 62.89                     | 5127.86   | 13.19       | 35.14       | 13.19                     | 37.54                     | 69.42                       | 0.34                          |
| 5226.44                 | 2.44                 | 67.01                     | 5222.45   | 14.87       | 38.72       | 14.87                     | 41.48                     | 69.00                       | 0.20                          |
| 5321.11                 | 2.37                 | 69.61                     | 5317.03   | 16.33       | 42.41       | 16.33                     | 45.45                     | 68.94                       | 0.14                          |
| 5415.78                 | 1.83                 | 72.09                     | 5411.64   | 17.48       | 45.69       | 17.48                     | 48.92                     | 69.06                       | 0.58                          |

| 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 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 5510.45                 | 1.86                 | 75.72                     | 5506.26   | 18.32       | 48.61       | 18.32                     | 51.95                     | 69.35                       | 0.13                          |
| 5605.12                 | 2.12                 | 84.44                     | 5600.87   | 18.87       | 51.84       | 18.87                     | 55.17                     | 70.00                       | 0.42                          |
| 5699.79                 | 2.26                 | 85.62                     | 5695.48   | 19.18       | 55.44       | 19.18                     | 58.66                     | 70.91                       | 0.16                          |
| 5794.46                 | 1.82                 | 89.30                     | 5790.09   | 19.34       | 58.80       | 19.34                     | 61.90                     | 71.79                       | 0.48                          |
| 5889.13                 | 1.66                 | 91.10                     | 5884.71   | 19.34       | 61.68       | 19.34                     | 64.64                     | 72.59                       | 0.18                          |
| 5983.80                 | 2.02                 | 98.63                     | 5979.33   | 19.06       | 64.69       | 19.06                     | 67.44                     | 73.58                       | 0.46                          |
| 6078.47                 | 1.82                 | 100.19                    | 6073.95   | 18.54       | 67.82       | 18.54                     | 70.31                     | 74.71                       | 0.21                          |
| 6173.14                 | 1.63                 | 106.65                    | 6168.58   | 17.89       | 70.60       | 17.89                     | 72.83                     | 75.78                       | 0.29                          |
| 6267.81                 | 1.75                 | 108.89                    | 6263.21   | 17.04       | 73.25       | 17.04                     | 75.21                     | 76.91                       | 0.14                          |
| 6362.48                 | 1.59                 | 115.69                    | 6357.84   | 16.00       | 75.80       | 16.00                     | 77.47                     | 78.08                       | 0.27                          |
| 6457.15                 | 1.62                 | 122.27                    | 6452.47   | 14.72       | 78.11       | 14.72                     | 79.49                     | 79.33                       | 0.20                          |
| 6551.82                 | 1.34                 | 136.93                    | 6547.11   | 13.19       | 80.00       | 13.19                     | 81.08                     | 80.64                       | 0.50                          |
| 6646.49                 | 1.21                 | 144.23                    | 6641.75   | 11.57       | 81.35       | 11.57                     | 82.16                     | 81.90                       | 0.22                          |
| 6741.16                 | 1.22                 | 144.02                    | 6736.40   | 9.94        | 82.52       | 9.94                      | 83.12                     | 83.13                       | 0.01                          |
| 6835.83                 | 1.20                 | 136.63                    | 6831.05   | 8.40        | 83.80       | 8.40                      | 84.22                     | 84.27                       | 0.17                          |
| 6930.50                 | 1.18                 | 134.43                    | 6925.70   | 7.00        | 85.18       | 7.00                      | 85.46                     | 85.30                       | 0.06                          |
| 7025.17                 | 1.11                 | 125.02                    | 7020.35   | 5.80        | 86.62       | 5.80                      | 86.81                     | 86.17                       | 0.21                          |
| 7119.84                 | 0.87                 | 117.09                    | 7115.01   | 4.94        | 88.01       | 4.94                      | 88.15                     | 86.79                       | 0.29                          |
| 7214.51                 | 0.88                 | 111.96                    | 7209.67   | 4.34        | 89.33       | 4.34                      | 89.43                     | 87.22                       | 0.08                          |
| 7309.18                 | 0.86                 | 107.23                    | 7304.33   | 3.86        | 90.68       | 3.86                      | 90.76                     | 87.56                       | 0.08                          |
| 7403.85                 | 0.66                 | 114.68                    | 7398.99   | 3.42        | 91.85       | 3.42                      | 91.92                     | 87.87                       | 0.23                          |
| 7498.52                 | 0.50                 | 124.91                    | 7493.65   | 2.95        | 92.69       | 2.95                      | 92.74                     | 88.18                       | 0.20                          |
| 7593.19                 | 0.48                 | 135.44                    | 7588.32   | 2.43        | 93.31       | 2.43                      | 93.34                     | 88.51                       | 0.10                          |
| 7687.86                 | 0.67                 | 145.12                    | 7682.98   | 1.69        | 93.91       | 1.69                      | 93.92                     | 88.97                       | 0.22                          |
| 7782.53                 | 0.72                 | 164.85                    | 7777.65   | 0.66        | 94.38       | 0.66                      | 94.38                     | 89.60                       | 0.26                          |
| 7877.20                 | 0.28                 | 199.54                    | 7872.31   | -0.13       | 94.46       | -0.13                     | 94.46                     | 90.08                       | 0.54                          |
| 7971.87                 | 0.37                 | 205.58                    | 7966.98   | -0.62       | 94.25       | -0.62                     | 94.25                     | 90.38                       | 0.10                          |
| 8066.54                 | 0.96                 | 214.26                    | 8061.65   | -1.55       | 93.67       | -1.55                     | 93.69                     | 90.95                       | 0.63                          |
| 8161.21                 | 1.01                 | 225.25                    | 8156.30   | -2.79       | 92.63       | -2.79                     | 92.67                     | 91.73                       | 0.21                          |
| 8255.88                 | 0.63                 | 236.58                    | 8250.96   | -3.67       | 91.60       | -3.67                     | 91.68                     | 92.29                       | 0.44                          |
| 8350.55                 | 0.77                 | 238.19                    | 8345.62   | -4.29       | 90.63       | -4.29                     | 90.73                     | 92.71                       | 0.15                          |
| 8445.22                 | 1.15                 | 228.37                    | 8440.28   | -5.26       | 89.38       | -5.26                     | 89.53                     | 93.37                       | 0.44                          |
| 8539.89                 | 1.38                 | 234.67                    | 8534.93   | -6.55       | 87.74       | -6.55                     | 87.98                     | 94.27                       | 0.28                          |
| 8634.56                 | 1.03                 | 228.53                    | 8629.58   | -7.77       | 86.17       | -7.77                     | 86.52                     | 95.15                       | 0.39                          |
| 8729.23                 | 1.05                 | 220.17                    | 8724.23   | -9.00       | 84.97       | -9.00                     | 85.45                     | 96.04                       | 0.16                          |
| 8823.90                 | 1.35                 | 206.78                    | 8818.88   | -10.65      | 83.91       | -10.65                    | 84.59                     | 97.24                       | 0.43                          |
| 8918.57                 | 1.34                 | 205.66                    | 8913.52   | -12.64      | 82.93       | -12.64                    | 83.89                     | 98.67                       | 0.03                          |
| 9013.24                 | 0.94                 | 211.39                    | 9008.18   | -14.30      | 82.05       | -14.30                    | 83.29                     | 99.89                       | 0.44                          |
| 9107.91                 | 0.95                 | 213.03                    | 9102.83   | -15.62      | 81.22       | -15.62                    | 82.71                     | 100.89                      | 0.03                          |

| 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 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 9202.58                 | 1.77                 | 208.55                    | 9197.48   | -17.56      | 80.09       | -17.56                    | 82.00                     | 102.37                      | 0.87                          |
| 9297.25                 | 1.94                 | 204.84                    | 9292.10   | -20.30      | 78.72       | -20.30                    | 81.30                     | 104.46                      | 0.22                          |
| 9391.92                 | 2.25                 | 207.78                    | 9386.70   | -23.39      | 77.19       | -23.39                    | 80.65                     | 106.86                      | 0.34                          |
| 9486.59                 | 3.09                 | 204.81                    | 9481.27   | -27.35      | 75.25       | -27.35                    | 80.07                     | 109.98                      | 0.91                          |
| 9581.26                 | 3.06                 | 197.89                    | 9575.80   | -32.07      | 73.40       | -32.07                    | 80.10                     | 113.60                      | 0.39                          |
| 9675.93                 | 2.40                 | 188.27                    | 9670.37   | -36.44      | 72.34       | -36.44                    | 81.00                     | 116.73                      | 0.85                          |
| 9770.60                 | 2.38                 | 190.77                    | 9764.95   | -40.33      | 71.69       | -40.33                    | 82.26                     | 119.36                      | 0.11                          |
| 9865.27                 | 1.92                 | 201.26                    | 9859.56   | -43.74      | 70.75       | -43.74                    | 83.18                     | 121.73                      | 0.64                          |
| 9959.94                 | 1.36                 | 194.50                    | 9954.19   | -46.30      | 69.89       | -46.30                    | 83.84                     | 123.52                      | 0.63                          |
| 10054.61                | 0.74                 | 173.79                    | 10048.84  | -48.00      | 69.68       | -48.00                    | 84.61                     | 124.56                      | 0.75                          |
| 10149.28                | 0.22                 | 154.39                    | 10143.51  | -48.77      | 69.82       | -48.77                    | 85.17                     | 124.93                      | 0.56                          |
| 10243.95                | 0.52                 | 95.68                     | 10238.18  | -48.98      | 70.33       | -48.98                    | 85.70                     | 124.86                      | 0.47                          |
| 10338.62                | 1.06                 | 74.79                     | 10332.84  | -48.79      | 71.60       | -48.79                    | 86.64                     | 124.27                      | 0.64                          |
| 10433.29                | 0.61                 | 19.28                     | 10427.50  | -48.09      | 72.61       | -48.09                    | 87.09                     | 123.51                      | 0.92                          |
| 10527.96                | 0.43                 | 300.00                    | 10522.17  | -47.43      | 72.47       | -47.43                    | 86.61                     | 123.21                      | 0.72                          |
| 10622.63                | 0.43                 | 281.41                    | 10616.83  | -47.18      | 71.81       | -47.18                    | 85.92                     | 123.31                      | 0.15                          |
| 10717.30                | 0.66                 | 241.48                    | 10711.50  | -47.37      | 70.98       | -47.37                    | 85.34                     | 123.72                      | 0.45                          |
| 10811.97                | 0.60                 | 165.59                    | 10806.16  | -48.11      | 70.63       | -48.11                    | 85.46                     | 124.26                      | 0.82                          |
| 10906.64                | 1.08                 | 108.25                    | 10900.83  | -48.87      | 71.59       | -48.87                    | 86.68                     | 124.32                      | 0.96                          |
| 11001.31                | 1.76                 | 90.98                     | 10995.47  | -49.17      | 73.89       | -49.17                    | 88.75                     | 123.64                      | 0.84                          |
| 11095.98                | 1.63                 | 98.62                     | 11090.10  | -49.40      | 76.67       | -49.40                    | 91.20                     | 122.79                      | 0.27                          |
| 11190.65                | 1.21                 | 109.16                    | 11184.74  | -49.93      | 78.94       | -49.93                    | 93.41                     | 122.31                      | 0.52                          |
| 11285.32                | 0.56                 | 111.42                    | 11279.39  | -50.43      | 80.32       | -50.43                    | 94.84                     | 122.12                      | 0.69                          |
| 11379.99                | 0.36                 | 130.64                    | 11374.06  | -50.79      | 80.98       | -50.79                    | 95.59                     | 122.10                      | 0.26                          |
| 11474.66                | 1.11                 | 132.73                    | 11468.72  | -51.60      | 81.87       | -51.60                    | 96.78                     | 122.22                      | 0.79                          |
| 11569.33                | 1.60                 | 141.33                    | 11563.37  | -53.25      | 83.37       | -53.25                    | 98.92                     | 122.57                      | 0.56                          |
| 11664.00                | 1.40                 | 156.20                    | 11658.00  | -55.34      | 84.66       | -55.34                    | 101.14                    | 123.17                      | 0.46                          |
| 11749.00                | 2.02                 | 145.05                    | 11742.97  | -57.52      | 85.93       | -57.52                    | 103.40                    | 123.79                      | 0.82                          |



VES Survey International  
West Texas  
432-563-5444  
Surveyor: Chris Bankson  
Sweetness 30 State Federal Com No. 001H / API 30-025-41864





## Directional Survey

|                                             |                       |                                   |                                     |                               |
|---------------------------------------------|-----------------------|-----------------------------------|-------------------------------------|-------------------------------|
| District<br>DELAWARE BASIN                  | County<br>LEA         | Field Name<br>CINTA ROJA          | Project Group<br>DELAWARE BASIN REG | State/Province<br>NM          |
| Surface Legal Location<br>Sec. 30 T23S R35E | API/UWI<br>3002541864 | Latitude (°)<br>32° 16' 41.929" N | Longitude (°)<br>103° 24' 15.408" W | Ground Elev...<br>3,422.60    |
|                                             |                       |                                   | KB - GL (ft)<br>25.00               | Orig KB Elev (ft)<br>3,447.60 |
|                                             |                       |                                   |                                     | Tubing Head Elevation (ft)    |

|                         |                 |             |                       |                                |
|-------------------------|-----------------|-------------|-----------------------|--------------------------------|
| <b>Wellbores</b>        |                 |             |                       |                                |
| Wellbore Name<br>OH     | Parent Wellbore | SAP Well ID | Kick Off Depth (ftKB) | Vertical Section Direction (°) |
| Actual Deviation Survey |                 | Definitive? | Proposed?             | Proposed Deviation Survey      |

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

|                         |                       |             |                                  |                                          |                           |         |          |               |             |                |
|-------------------------|-----------------------|-------------|----------------------------------|------------------------------------------|---------------------------|---------|----------|---------------|-------------|----------------|
| <b>Survey Data</b>      |                       |             |                                  |                                          |                           |         |          |               |             |                |
| Date                    | MD (ftKB)             | Incl (°)    | Azm (°)                          | TVD (ftKB)                               | VS (ft)                   | NS (ft) | E/W (ft) | DLS (°/100ft) | Survey Tool | Survey Company |
| Wellbore Name<br>ST01   | Parent Wellbore<br>OH | SAP Well ID | Kick Off Depth (ftKB)<br>8,104.0 | Vertical Section Direction (°)<br>179.64 |                           |         |          |               |             |                |
| Actual Deviation Survey | MWD, Proposed? No     |             | Definitive?<br>Yes               | Proposed?<br>No                          | Proposed Deviation Survey |         |          |               |             |                |

|                              |                               |                                |                              |                        |                         |  |  |  |  |  |
|------------------------------|-------------------------------|--------------------------------|------------------------------|------------------------|-------------------------|--|--|--|--|--|
| <b>Deviation Survey</b>      |                               |                                |                              |                        |                         |  |  |  |  |  |
| Date<br>7/11/2014            | Description<br>MWD            |                                |                              |                        |                         |  |  |  |  |  |
| MD Tie In (ftKB)<br>8,066.54 | TVD Tie In (ftKB)<br>8,061.64 | Inclination Tie In (°)<br>0.96 | Azimuth Tie In (°)<br>214.26 | NSTie In (ft)<br>-1.50 | EW Tie In (ft)<br>93.70 |  |  |  |  |  |

|                    |           |          |         |            |          |           |          |               |             |                |
|--------------------|-----------|----------|---------|------------|----------|-----------|----------|---------------|-------------|----------------|
| <b>Survey Data</b> |           |          |         |            |          |           |          |               |             |                |
| Date               | MD (ftKB) | Incl (°) | Azm (°) | TVD (ftKB) | VS (ft)  | NS (ft)   | E/W (ft) | DLS (°/100ft) | Survey Tool | Survey Company |
| 7/11/2014          | 8,169.00  | 4.76     | 273.81  | 8,163.97   | 2.49     | -1.93     | 88.97    | 4.25          | MWD         | WEATHERFORD    |
| 7/11/2014          | 8,201.00  | 7.01     | 261.36  | 8,195.80   | 2.67     | -2.13     | 85.72    | 8.04          | MWD         | WEATHERFORD    |
| 7/11/2014          | 8,232.00  | 10.35    | 262.09  | 8,226.44   | 3.31     | -2.80     | 81.09    | 10.78         | MWD         | WEATHERFORD    |
| 7/11/2014          | 8,264.00  | 13.37    | 253.90  | 8,257.75   | 4.69     | -4.22     | 74.68    | 10.78         | MWD         | WEATHERFORD    |
| 7/11/2014          | 8,295.00  | 16.08    | 242.33  | 8,287.74   | 7.63     | -7.21     | 67.43    | 12.86         | MWD         | WEATHERFORD    |
| 7/11/2014          | 8,327.00  | 19.15    | 228.64  | 8,318.25   | 13.11    | -12.74    | 59.56    | 16.05         | MWD         | WEATHERFORD    |
| 7/11/2014          | 8,358.00  | 21.37    | 216.92  | 8,347.34   | 20.95    | -20.62    | 52.35    | 14.89         | MWD         | WEATHERFORD    |
| 7/11/2014          | 8,390.00  | 24.42    | 208.80  | 8,376.82   | 31.37    | -31.08    | 45.66    | 13.70         | MWD         | WEATHERFORD    |
| 7/11/2014          | 8,422.00  | 26.33    | 201.68  | 8,405.74   | 43.73    | -43.48    | 39.85    | 11.24         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,453.00  | 27.77    | 193.94  | 8,433.36   | 57.10    | -56.88    | 35.57    | 12.26         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,485.00  | 28.66    | 184.98  | 8,461.57   | 71.97    | -71.77    | 33.11    | 13.52         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,516.00  | 30.12    | 178.92  | 8,488.58   | 87.16    | -86.95    | 32.61    | 10.68         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,548.00  | 32.54    | 176.49  | 8,515.92   | 103.78   | -103.58   | 33.28    | 8.53          | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,579.00  | 36.63    | 176.20  | 8,541.43   | 121.35   | -121.13   | 34.41    | 13.20         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,611.00  | 40.32    | 175.84  | 8,566.48   | 141.21   | -140.99   | 35.79    | 11.55         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,642.00  | 42.97    | 173.32  | 8,589.65   | 161.73   | -161.49   | 37.75    | 10.11         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,674.00  | 48.56    | 172.02  | 8,611.96   | 184.47   | -184.22   | 40.69    | 17.71         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,706.00  | 53.66    | 171.94  | 8,632.04   | 209.15   | -208.88   | 44.16    | 15.94         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,737.00  | 57.83    | 173.24  | 8,649.49   | 234.57   | -234.28   | 47.46    | 13.89         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,769.00  | 61.21    | 175.58  | 8,665.72   | 262.03   | -261.72   | 50.13    | 12.30         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,800.00  | 64.05    | 177.37  | 8,679.97   | 289.51   | -289.19   | 51.82    | 10.50         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,832.00  | 67.97    | 177.96  | 8,692.98   | 318.73   | -318.40   | 53.01    | 12.37         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,863.00  | 71.65    | 178.64  | 8,703.68   | 347.81   | -347.48   | 53.87    | 12.05         | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,895.00  | 74.70    | 179.07  | 8,712.94   | 378.43   | -378.10   | 54.48    | 9.62          | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,927.00  | 76.29    | 179.48  | 8,720.95   | 409.41   | -409.07   | 54.87    | 5.12          | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,958.00  | 79.08    | 180.15  | 8,727.56   | 439.69   | -439.36   | 54.97    | 9.24          | MWD         | WEATHERFORD    |
| 7/13/2014          | 8,989.00  | 82.21    | 180.76  | 8,732.60   | 470.27   | -469.94   | 54.73    | 10.28         | MWD         | WEATHERFORD    |
| 7/13/2014          | 9,021.00  | 84.75    | 180.77  | 8,736.24   | 502.06   | -501.73   | 54.30    | 7.94          | MWD         | WEATHERFORD    |
| 7/13/2014          | 9,095.00  | 91.05    | 180.83  | 8,738.95   | 575.96   | -575.63   | 53.27    | 8.51          | MWD         | WEATHERFORD    |
| 7/13/2014          | 9,189.00  | 89.86    | 180.51  | 8,738.20   | 669.94   | -669.62   | 52.17    | 1.31          | MWD         | WEATHERFORD    |
| 7/13/2014          | 9,284.00  | 89.37    | 180.07  | 8,738.84   | 764.93   | -764.62   | 51.69    | 0.69          | MWD         | WEATHERFORD    |
| 7/13/2014          | 9,379.00  | 89.58    | 179.52  | 8,739.71   | 859.92   | -859.61   | 52.03    | 0.62          | MWD         | WEATHERFORD    |
| 7/13/2014          | 9,474.00  | 91.40    | 179.96  | 8,738.90   | 954.91   | -954.60   | 52.46    | 1.97          | MWD         | WEATHERFORD    |
| 7/16/2014          | 9,568.00  | 90.84    | 180.33  | 8,737.06   | 1,048.89 | -1,048.58 | 52.22    | 0.71          | MWD         | WEATHERFORD    |
| 7/16/2014          | 9,663.00  | 91.19    | 180.14  | 8,735.38   | 1,143.87 | -1,143.57 | 51.83    | 0.42          | MWD         | WEATHERFORD    |
| 7/16/2014          | 9,758.00  | 91.96    | 180.02  | 8,732.77   | 1,238.83 | -1,238.53 | 51.70    | 0.82          | MWD         | WEATHERFORD    |



## Directional Survey

|                                             |                       |                                   |                                     |                               |
|---------------------------------------------|-----------------------|-----------------------------------|-------------------------------------|-------------------------------|
| District<br>DELAWARE BASIN                  | County<br>LEA         | Field Name<br>CINTA ROJA          | Project Group<br>DELAWARE BASIN REG | State/Province<br>NM          |
| Surface Legal Location<br>Sec. 30 T23S R35E | API/UWI<br>3002541864 | Latitude (°)<br>32° 16' 41.929" N | Longitude (°)<br>103° 24' 15.408" W | Ground Elev...<br>3,422.60    |
|                                             |                       |                                   | KB - GL (ft)<br>25.00               | Orig KB Elev (ft)<br>3,447.60 |
|                                             |                       |                                   |                                     | Tubing Head Elevation (ft)    |

| Survey Data |           |          |          |            |          |           |          |                   |                |                |
|-------------|-----------|----------|----------|------------|----------|-----------|----------|-------------------|----------------|----------------|
| Date        | MD (ftKB) | Inc. (°) | Azm. (°) | TVD (ftKB) | VS (ft)  | N/S (ft)  | E/W (ft) | DLS<br>(ft/100ft) | Survey<br>Tool | Survey Company |
| 7/16/2014   | 9,852.00  | 90.98    | 180.75   | 8,730.35   | 1,332.79 | -1,332.50 | 51.07    | 1.30              | MWD            | WEATHERFORD    |
| 7/17/2014   | 9,947.00  | 91.47    | 180.11   | 8,728.32   | 1,427.76 | -1,427.47 | 50.36    | 0.85              | MWD            | WEATHERFORD    |
| 7/17/2014   | 10,042.00 | 90.77    | 180.15   | 8,726.47   | 1,522.74 | -1,522.45 | 50.14    | 0.74              | MWD            | WEATHERFORD    |
| 7/17/2014   | 10,136.00 | 92.24    | 180.20   | 8,724.00   | 1,616.70 | -1,616.42 | 49.85    | 1.56              | MWD            | WEATHERFORD    |
| 7/17/2014   | 10,231.00 | 90.56    | 180.10   | 8,721.68   | 1,711.66 | -1,711.39 | 49.60    | 1.77              | MWD            | WEATHERFORD    |
| 7/17/2014   | 10,326.00 | 91.61    | 180.16   | 8,719.88   | 1,806.64 | -1,806.37 | 49.39    | 1.11              | MWD            | WEATHERFORD    |
| 7/17/2014   | 10,421.00 | 91.26    | 180.57   | 8,717.50   | 1,901.60 | -1,901.34 | 48.78    | 0.57              | MWD            | WEATHERFORD    |
| 7/17/2014   | 10,515.00 | 91.61    | 181.51   | 8,715.14   | 1,995.55 | -1,995.29 | 47.08    | 1.07              | MWD            | WEATHERFORD    |
| 7/17/2014   | 10,610.00 | 90.84    | 180.13   | 8,713.11   | 2,090.50 | -2,090.25 | 45.72    | 1.66              | MWD            | WEATHERFORD    |
| 7/17/2014   | 10,705.00 | 91.26    | 179.13   | 8,711.37   | 2,185.48 | -2,185.24 | 46.33    | 1.14              | MWD            | WEATHERFORD    |
| 7/17/2014   | 10,800.00 | 90.56    | 179.10   | 8,709.86   | 2,280.47 | -2,280.21 | 47.80    | 0.74              | MWD            | WEATHERFORD    |
| 7/17/2014   | 10,895.00 | 90.21    | 179.48   | 8,709.23   | 2,375.46 | -2,375.20 | 48.98    | 0.54              | MWD            | WEATHERFORD    |
| 7/17/2014   | 10,989.00 | 90.28    | 180.79   | 8,708.82   | 2,469.46 | -2,469.20 | 48.76    | 1.40              | MWD            | WEATHERFORD    |
| 7/17/2014   | 11,084.00 | 89.58    | 179.17   | 8,708.94   | 2,564.45 | -2,564.19 | 48.79    | 1.86              | MWD            | WEATHERFORD    |
| 7/18/2014   | 11,179.00 | 90.70    | 179.58   | 8,708.71   | 2,659.45 | -2,659.19 | 49.82    | 1.26              | MWD            | WEATHERFORD    |
| 7/18/2014   | 11,274.00 | 91.19    | 180.73   | 8,707.14   | 2,754.43 | -2,754.17 | 49.57    | 1.32              | MWD            | WEATHERFORD    |
| 7/18/2014   | 11,368.00 | 91.82    | 180.63   | 8,704.67   | 2,848.38 | -2,848.13 | 48.45    | 0.68              | MWD            | WEATHERFORD    |
| 7/18/2014   | 11,463.00 | 91.33    | 179.75   | 8,702.06   | 2,943.34 | -2,943.09 | 48.14    | 1.06              | MWD            | WEATHERFORD    |
| 7/18/2014   | 11,558.00 | 90.28    | 179.61   | 8,700.73   | 3,038.33 | -3,038.08 | 48.67    | 1.12              | MWD            | WEATHERFORD    |
| 7/18/2014   | 11,652.00 | 89.44    | 179.69   | 8,700.96   | 3,132.33 | -3,132.08 | 49.24    | 0.90              | MWD            | WEATHERFORD    |
| 7/19/2014   | 11,725.00 | 89.86    | 179.18   | 8,701.40   | 3,205.32 | -3,205.07 | 49.96    | 0.91              | MWD            | WEATHERFORD    |
| 7/19/2014   | 11,819.00 | 89.37    | 179.21   | 8,702.03   | 3,299.32 | -3,299.06 | 51.28    | 0.52              | MWD            | WEATHERFORD    |
| 7/19/2014   | 11,914.00 | 89.44    | 178.31   | 8,703.02   | 3,394.30 | -3,394.03 | 53.34    | 0.95              | MWD            | WEATHERFORD    |
| 7/19/2014   | 12,009.00 | 91.12    | 178.79   | 8,702.56   | 3,489.28 | -3,489.00 | 55.74    | 1.84              | MWD            | WEATHERFORD    |
| 7/19/2014   | 12,104.00 | 91.96    | 178.97   | 8,700.00   | 3,584.24 | -3,583.95 | 57.60    | 0.90              | MWD            | WEATHERFORD    |
| 7/19/2014   | 12,198.00 | 91.68    | 179.28   | 8,697.02   | 3,678.19 | -3,677.89 | 59.03    | 0.44              | MWD            | WEATHERFORD    |
| 7/19/2014   | 12,293.00 | 90.98    | 179.55   | 8,694.81   | 3,773.16 | -3,772.86 | 60.00    | 0.79              | MWD            | WEATHERFORD    |
| 7/20/2014   | 12,388.00 | 91.40    | 179.21   | 8,692.84   | 3,868.14 | -3,867.83 | 61.03    | 0.57              | MWD            | WEATHERFORD    |
| 7/20/2014   | 12,482.00 | 91.26    | 179.20   | 8,690.66   | 3,962.11 | -3,961.79 | 62.33    | 0.15              | MWD            | WEATHERFORD    |
| 7/21/2014   | 12,577.00 | 90.77    | 179.34   | 8,688.97   | 4,057.09 | -4,056.77 | 63.54    | 0.54              | MWD            | WEATHERFORD    |
| 7/21/2014   | 12,672.00 | 91.05    | 179.03   | 8,687.47   | 4,152.08 | -4,151.75 | 64.90    | 0.44              | MWD            | WEATHERFORD    |
| 7/21/2014   | 12,766.00 | 90.49    | 178.88   | 8,686.20   | 4,246.06 | -4,245.73 | 66.61    | 0.62              | MWD            | WEATHERFORD    |
| 7/21/2014   | 12,861.00 | 90.70    | 178.38   | 8,685.22   | 4,341.04 | -4,340.69 | 68.88    | 0.57              | MWD            | WEATHERFORD    |
| 7/21/2014   | 12,955.00 | 91.05    | 178.91   | 8,683.78   | 4,435.01 | -4,434.66 | 71.10    | 0.68              | MWD            | WEATHERFORD    |
| 7/21/2014   | 13,050.00 | 88.67    | 177.48   | 8,684.01   | 4,529.97 | -4,529.60 | 74.10    | 2.92              | MWD            | WEATHERFORD    |
| 7/21/2014   | 13,145.00 | 90.21    | 178.88   | 8,684.94   | 4,624.93 | -4,624.54 | 77.11    | 2.19              | MWD            | WEATHERFORD    |
| 7/21/2014   | 13,239.00 | 92.03    | 179.67   | 8,683.10   | 4,718.91 | -4,718.51 | 78.30    | 2.11              | MWD            | WEATHERFORD    |
| 7/21/2014   | 13,334.00 | 91.12    | 179.50   | 8,680.49   | 4,813.87 | -4,813.47 | 78.99    | 0.97              | MWD            | WEATHERFORD    |
| 7/22/2014   | 13,429.00 | 91.26    | 179.65   | 8,678.52   | 4,908.85 | -4,908.45 | 79.69    | 0.22              | MWD            | WEATHERFORD    |
| 7/22/2014   | 13,524.00 | 91.05    | 179.56   | 8,676.60   | 5,003.83 | -5,003.43 | 80.35    | 0.24              | MWD            | WEATHERFORD    |
| 7/22/2014   | 13,618.00 | 92.38    | 180.26   | 8,673.79   | 5,097.79 | -5,097.38 | 80.50    | 1.60              | MWD            | WEATHERFORD    |
| 7/22/2014   | 13,713.00 | 91.47    | 179.75   | 8,670.60   | 5,192.73 | -5,192.33 | 80.49    | 1.10              | MWD            | WEATHERFORD    |
| 7/22/2014   | 13,807.00 | 90.28    | 179.33   | 8,669.16   | 5,286.72 | -5,286.31 | 81.24    | 1.34              | MWD            | WEATHERFORD    |
| 7/22/2014   | 13,923.00 | 90.70    | 179.16   | 8,668.17   | 5,402.71 | -5,402.30 | 82.77    | 0.39              | MWD            | WEATHERFORD    |
| 7/22/2014   | 14,018.00 | 90.77    | 179.01   | 8,666.95   | 5,497.70 | -5,497.28 | 84.29    | 0.17              | MWD            | WEATHERFORD    |
| 7/22/2014   | 14,113.00 | 90.21    | 178.82   | 8,666.14   | 5,592.69 | -5,592.26 | 86.09    | 0.62              | MWD            | WEATHERFORD    |
| 7/22/2014   | 14,207.00 | 90.84    | 180.20   | 8,665.28   | 5,686.68 | -5,686.25 | 86.89    | 1.61              | MWD            | WEATHERFORD    |
| 7/22/2014   | 14,302.00 | 90.63    | 180.92   | 8,664.06   | 5,781.66 | -5,781.23 | 85.96    | 0.79              | MWD            | WEATHERFORD    |
| 7/24/2014   | 14,397.00 | 89.58    | 180.10   | 8,663.89   | 5,876.64 | -5,876.23 | 85.12    | 1.40              | MWD            | WEATHERFORD    |
| 7/24/2014   | 14,491.00 | 89.93    | 180.66   | 8,664.29   | 5,970.64 | -5,970.22 | 84.49    | 0.70              | MWD            | WEATHERFORD    |
| 7/24/2014   | 14,586.00 | 90.49    | 180.63   | 8,663.94   | 6,065.62 | -6,065.22 | 83.42    | 0.59              | MWD            | WEATHERFORD    |
| 7/25/2014   | 14,680.00 | 90.56    | 179.92   | 8,663.08   | 6,159.61 | -6,159.21 | 82.97    | 0.76              | MWD            | WEATHERFORD    |
| 7/25/2014   | 14,775.00 | 91.68    | 180.45   | 8,661.22   | 6,254.59 | -6,254.19 | 82.67    | 1.30              | MWD            | WEATHERFORD    |
| 7/25/2014   | 14,869.00 | 92.37    | 181.85   | 8,657.90   | 6,348.49 | -6,348.11 | 80.78    | 1.66              | MWD            | WEATHERFORD    |
| 7/25/2014   | 14,964.00 | 92.25    | 182.35   | 8,654.07   | 6,443.33 | -6,442.97 | 77.30    | 0.54              | MWD            | WEATHERFORD    |



## Directional Survey

|                                             |                       |                                   |                                     |                               |
|---------------------------------------------|-----------------------|-----------------------------------|-------------------------------------|-------------------------------|
| District<br>DELAWARE BASIN                  | County<br>LEA         | Field Name<br>CINTA ROJA          | Project Group<br>DELAWARE BASIN REG | State/Province<br>NM          |
| Surface Legal Location<br>Sec. 30 T23S R35E | API/UWI<br>3002541864 | Latitude (°)<br>32° 16' 41.929" N | Longitude (°)<br>103° 24' 15.408" W | Ground Elev...<br>3,422.60    |
|                                             |                       |                                   | KB - GL (ft)<br>25.00               | Orig KB Elev (ft)<br>3,447.60 |
|                                             |                       |                                   |                                     | 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 |
| 7/25/2014   | 15,059.00 | 92.66    | 183.01  | 8,650.00   | 6,538.10 | -6,537.78 | 72.87    | 0.82             | MWD            | WEATHERFORD    |
| 7/25/2014   | 15,154.00 | 91.88    | 183.04  | 8,646.24   | 6,632.86 | -6,632.57 | 67.86    | 0.82             | MWD            | WEATHERFORD    |
| 7/26/2014   | 15,248.00 | 90.49    | 181.73  | 8,644.30   | 6,726.73 | -6,726.46 | 63.95    | 2.03             | MWD            | WEATHERFORD    |
| 7/26/2014   | 15,343.00 | 90.63    | 180.45  | 8,643.37   | 6,821.69 | -6,821.44 | 62.14    | 1.36             | MWD            | WEATHERFORD    |
| 7/29/2014   | 15,383.00 | 90.77    | 180.76  | 8,642.88   | 6,861.69 | -6,861.43 | 61.72    | 0.85             | MWD            | WEATHERFORD    |
| 7/29/2014   | 15,437.00 | 90.56    | 178.77  | 8,642.25   | 6,915.68 | -6,915.43 | 61.94    | 3.71             | MWD            | WEATHERFORD    |
| 7/29/2014   | 15,532.00 | 90.14    | 178.53  | 8,641.67   | 7,010.66 | -7,010.40 | 64.18    | 0.51             | MWD            | WEATHERFORD    |
| 7/30/2014   | 15,626.00 | 90.77    | 179.46  | 8,640.93   | 7,104.65 | -7,104.38 | 65.82    | 1.19             | MWD            | WEATHERFORD    |
| 7/30/2014   | 15,721.00 | 91.12    | 178.11  | 8,639.36   | 7,199.63 | -7,199.34 | 67.84    | 1.47             | MWD            | WEATHERFORD    |
| 7/30/2014   | 15,813.00 | 92.52    | 178.69  | 8,636.44   | 7,291.56 | -7,291.26 | 70.41    | 1.65             | MWD            | WEATHERFORD    |
| 7/30/2014   | 16,002.00 | 93.42    | 179.30  | 8,626.64   | 7,480.29 | -7,479.97 | 73.72    | 0.58             | MWD            | WEATHERFORD    |
| 7/30/2014   | 16,096.00 | 92.93    | 178.73  | 8,621.44   | 7,574.14 | -7,573.81 | 75.33    | 0.80             | MWD            | WEATHERFORD    |
| 7/30/2014   | 16,191.00 | 92.17    | 179.10  | 8,617.21   | 7,669.03 | -7,668.70 | 77.13    | 0.89             | MWD            | WEATHERFORD    |
| 7/30/2014   | 16,286.00 | 92.46    | 178.83  | 8,613.37   | 7,763.95 | -7,763.61 | 78.84    | 0.42             | MWD            | WEATHERFORD    |
| 7/30/2014   | 16,380.00 | 92.02    | 180.58  | 8,609.70   | 7,857.87 | -7,857.53 | 79.33    | 1.92             | MWD            | WEATHERFORD    |
| 7/30/2014   | 16,475.00 | 92.25    | 179.61  | 8,606.16   | 7,952.80 | -7,952.46 | 79.17    | 1.05             | MWD            | WEATHERFORD    |
| 7/30/2014   | 16,570.00 | 91.33    | 180.62  | 8,603.19   | 8,047.75 | -8,047.41 | 78.98    | 1.44             | MWD            | WEATHERFORD    |
| 7/30/2014   | 16,665.00 | 92.09    | 180.49  | 8,600.36   | 8,142.70 | -8,142.37 | 78.06    | 0.81             | MWD            | WEATHERFORD    |
| 7/30/2014   | 16,759.00 | 92.09    | 180.49  | 8,596.93   | 8,236.62 | -8,236.30 | 77.25    | 0.00             | MWD            | WEATHERFORD    |
| 7/30/2014   | 16,854.00 | 92.65    | 179.55  | 8,593.00   | 8,331.54 | -8,331.22 | 77.22    | 1.15             | MWD            | WEATHERFORD    |
| 7/30/2014   | 16,948.00 | 91.96    | 178.77  | 8,589.22   | 8,425.46 | -8,425.13 | 78.60    | 1.11             | MWD            | WEATHERFORD    |
| 7/30/2014   | 17,039.00 | 91.33    | 178.60  | 8,586.61   | 8,516.41 | -8,516.07 | 80.69    | 0.72             | MWD            | WEATHERFORD    |
| 7/30/2014   | 17,105.00 | 91.33    | 178.60  | 8,585.08   | 8,582.38 | -8,582.03 | 82.30    | 0.00             | BIT            | WEATHERFORD    |