

## Results of Directional Survey

|             |                     |           |                                            |
|-------------|---------------------|-----------|--------------------------------------------|
| API number: | <b>30-025-41182</b> |           |                                            |
| OGRID:      |                     | Operator: | <b>DEVON ENERGY PRODUCTION COMPANY, LP</b> |
|             |                     | Property: | <b>BELL LAKE 24 FEDERAL # 1H</b>           |

|         |        |          |           |                |                |
|---------|--------|----------|-----------|----------------|----------------|
| surface | ULSTR: | <b>M</b> | <b>24</b> | <b>T 24S</b>   | <b>R 32E</b>   |
|         |        |          |           | <b>200 FSL</b> | <b>660 FWL</b> |

|              |           |                |            |                 |                |
|--------------|-----------|----------------|------------|-----------------|----------------|
| BH Loc       | ULSTR:    | <b>D</b>       | <b>24</b>  | <b>T 24S</b>    | <b>R 32E</b>   |
| <b>15784</b> | <b>MD</b> | <b>10991.1</b> | <b>TVD</b> | <b>322 FNL</b>  | <b>658 FWL</b> |
|              |           |                |            | <b>4958 FSL</b> |                |

|              |           |                |            |                |                |
|--------------|-----------|----------------|------------|----------------|----------------|
| Top Perf/OH  | ULSTR:    | <b>M</b>       | <b>24</b>  | <b>T 24S</b>   | <b>R 32E</b>   |
| <b>11110</b> | <b>MD</b> | <b>10963.0</b> | <b>TVD</b> | <b>291 FSL</b> | <b>838 FWL</b> |

|              |           |                |            |                 |                |
|--------------|-----------|----------------|------------|-----------------|----------------|
| Bot Perf/OH  | ULSTR:    | <b>D</b>       | <b>24</b>  | <b>T 24S</b>    | <b>R 32E</b>   |
| <b>15652</b> | <b>MD</b> | <b>10995.6</b> | <b>TVD</b> | <b>434 FNL</b>  | <b>664 FWL</b> |
|              |           |                |            | <b>4846 FSL</b> |                |

|              |              |         |        |          |
|--------------|--------------|---------|--------|----------|
|              | MD           | N/S     | E/W    | VD       |
|              | 11004        | -1.42   | 186.49 | 10911.58 |
| TOP PERFS/OH | <b>11110</b> | 90.83   | 177.65 | 10962.99 |
|              | 11036        | 26.43   | 183.82 | 10927.10 |
|              | 15627        | 4600.79 | 4.77   | 10995.86 |
| BOT PERFS/OH | <b>15652</b> | 4645.84 | 3.65   | 10995.17 |
|              | 15714        | 4757.56 | 0.86   | 10993.47 |

|              |              |         |       |          |
|--------------|--------------|---------|-------|----------|
| NEXT TO LAST | 15714        | 4757.56 | 0.86  | 10993.47 |
| LAST READING | 15784        | 4757.56 | -2.25 | 10991.09 |
| TD           | <b>15784</b> | 4757.56 | -2.25 | 10991.09 |

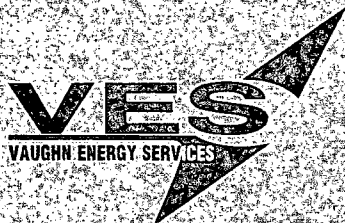
|                  |      |    |     |    |
|------------------|------|----|-----|----|
| Surface Location | 200  | FS | 660 | FW |
| Projected BHL    | 4958 | FS | 658 | FW |
| Location of      |      |    |     |    |
| Top Perfs/OH     | 291  | FS | 838 | FW |
| Bottom Perfs/OH  | 4846 | FS | 664 | FW |

### SUMMARY of Subsurface Locations

|                  |              |      |    |     |    |             |
|------------------|--------------|------|----|-----|----|-------------|
| Surface Location | M-24-24S-32E | 200  | FS | 660 | FW | Vert. Depth |
| Top Perfs/OH     | M-24-24S-32E | 291  | FS | 838 | FW | 10962.99    |
| Bottom Perfs/OH  | D-24-24S-32E | 4846 | FS | 664 | FW | 10995.17    |
| Projected TD     | D-24-24S-32E | 4958 | FS | 658 | FW | 10991.09    |

DEC 30 2018

don



A GYRO TECHNOLOGIES INC. COMPANY

PO Box 261021  
Corpus Christi, Texas 78426  
(361) 767-0602 • (800) 606-GYRO • Fax (361) 767-0612

September 27, 2013

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

Attn: Patti Riechers

Re: **Bell Lake 24 Federal No 001H**

Please find enclosed a copy of the survey from 0' to 10,349.08' 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 27th day of September  
A.D., 2013, by Keith Havelka.



Meredith Darden  
Notary Public, State of Texas



Company: Devon Energy  
Lease/Well: Bell Lake 24 Federal /No 001H  
Location: Sec 24 T 24s R 32e  
Rig Name: H&P 416  
State/County: New Mexico /Lea  
Latitude: 32.20, Longitude: -103.63  
GRID North is 0.37 Degrees East of True North  
VS-Azi: 359.74 Degrees



HOBBS OGD

Depth Reference : RKB= 25 ft

DEC 10 2013

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: msgyro\_run01-01-de\_01.ut

Minimum Curvature Method

Report Date/Time: 9/27/2013 / 12:57

RECEIVED

Vaughn Energy Services

West Texas

Surveyor: Chris Bankson

432-563-5444

Bell Lake 24 Federal No 001H / API 30-025-41182

| 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                        | ****                          |
| 140.92                  | 0.99                 | 163.60                    | 140.91    | -1.16       | 0.34        | -1.17                     | 1.21                      | 163.60                      | 0.70                          |
| 235.44                  | 0.54                 | 128.18                    | 235.42    | -2.22       | 0.93        | -2.23                     | 2.41                      | 157.40                      | 0.66                          |
| 329.96                  | 1.22                 | 108.44                    | 329.93    | -2.82       | 2.23        | -2.83                     | 3.60                      | 141.60                      | 0.78                          |
| 424.48                  | 1.11                 | 76.59                     | 424.43    | -2.93       | 4.08        | -2.94                     | 5.02                      | 125.66                      | 0.69                          |
| 519.00                  | 1.36                 | 55.28                     | 518.93    | -2.08       | 5.89        | -2.10                     | 6.24                      | 109.44                      | 0.55                          |
| 613.52                  | 1.30                 | 79.03                     | 613.43    | -1.24       | 7.86        | -1.27                     | 7.96                      | 98.94                       | 0.58                          |
| 708.04                  | 0.84                 | 84.55                     | 707.93    | -0.97       | 9.60        | -1.01                     | 9.65                      | 95.74                       | 0.50                          |
| 802.56                  | 1.26                 | 121.71                    | 802.44    | -1.45       | 11.18       | -1.50                     | 11.27                     | 97.38                       | 0.83                          |
| 897.08                  | 1.42                 | 157.65                    | 896.93    | -3.08       | 12.51       | -3.14                     | 12.89                     | 103.83                      | 0.89                          |
| 991.60                  | 0.98                 | 186.31                    | 991.43    | -4.97       | 12.87       | -5.03                     | 13.80                     | 111.11                      | 0.78                          |
| 1086.12                 | 0.97                 | 200.54                    | 1085.94   | -6.52       | 12.50       | -6.57                     | 14.10                     | 117.53                      | 0.25                          |
| 1180.64                 | 1.06                 | 220.40                    | 1180.44   | -7.93       | 11.66       | -7.98                     | 14.10                     | 124.23                      | 0.38                          |
| 1275.16                 | 1.27                 | 235.67                    | 1274.94   | -9.18       | 10.23       | -9.23                     | 13.74                     | 131.93                      | 0.40                          |
| 1369.68                 | 1.00                 | 241.67                    | 1369.45   | -10.16      | 8.64        | -10.20                    | 13.34                     | 139.64                      | 0.31                          |
| 1464.20                 | 0.56                 | 249.47                    | 1463.96   | -10.72      | 7.48        | -10.75                    | 13.07                     | 145.09                      | 0.47                          |
| 1558.72                 | 0.24                 | 255.69                    | 1558.47   | -10.93      | 6.85        | -10.96                    | 12.90                     | 147.93                      | 0.34                          |
| 1653.24                 | 0.55                 | 257.98                    | 1652.99   | -11.07      | 6.21        | -11.10                    | 12.70                     | 150.72                      | 0.32                          |
| 1747.76                 | 0.07                 | 265.25                    | 1747.51   | -11.17      | 5.71        | -11.20                    | 12.55                     | 152.93                      | 0.51                          |

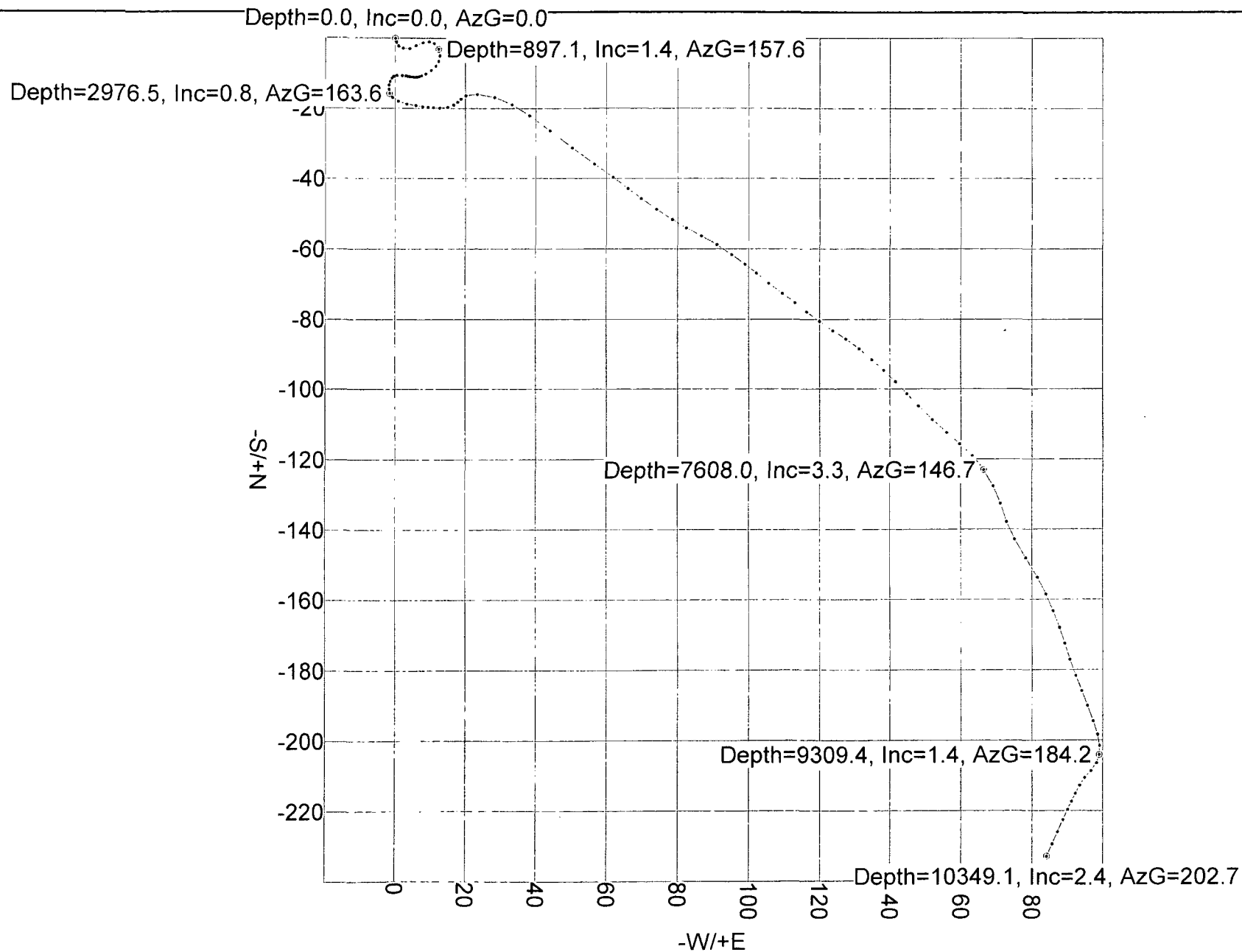
| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | TVD<br>FT | +N/-S<br>FT | +E/-W<br>FT | Vertical<br>Section<br>FT | Closure<br>Distance<br>FT | Closure<br>Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 1842.28                 | 0.49                 | 279.20                    | 1842.03   | -11.11      | 5.26        | -11.14                    | 12.29                     | 154.68                      | 0.45                          |
| 1936.80                 | 0.36                 | 273.58                    | 1936.55   | -11.03      | 4.56        | -11.05                    | 11.94                     | 157.53                      | 0.14                          |
| 2031.32                 | 0.31                 | 279.94                    | 2031.07   | -10.97      | 4.01        | -10.99                    | 11.68                     | 159.90                      | 0.07                          |
| 2125.84                 | 0.33                 | 278.01                    | 2125.58   | -10.89      | 3.50        | -10.90                    | 11.43                     | 162.20                      | 0.03                          |
| 2220.36                 | 0.34                 | 286.54                    | 2220.10   | -10.77      | 2.96        | -10.78                    | 11.17                     | 164.63                      | 0.05                          |
| 2314.88                 | 0.90                 | 274.40                    | 2314.62   | -10.63      | 1.95        | -10.64                    | 10.81                     | 169.59                      | 0.61                          |
| 2409.40                 | 0.87                 | 263.27                    | 2409.13   | -10.66      | 0.50        | -10.66                    | 10.67                     | 177.32                      | 0.18                          |
| 2503.92                 | 0.30                 | 242.94                    | 2503.64   | -10.86      | -0.44       | -10.86                    | 10.87                     | 182.31                      | 0.63                          |
| 2598.44                 | 0.62                 | 212.19                    | 2598.16   | -11.40      | -0.93       | -11.40                    | 11.44                     | 184.67                      | 0.41                          |
| 2692.96                 | 0.66                 | 208.31                    | 2692.67   | -12.32      | -1.46       | -12.31                    | 12.40                     | 186.77                      | 0.07                          |
| 2787.48                 | 0.74                 | 183.24                    | 2787.18   | -13.40      | -1.76       | -13.40                    | 13.52                     | 187.46                      | 0.33                          |
| 2882.00                 | 0.70                 | 180.47                    | 2881.70   | -14.59      | -1.80       | -14.58                    | 14.70                     | 187.01                      | 0.05                          |
| 2976.52                 | 0.76                 | 163.61                    | 2976.21   | -15.77      | -1.62       | -15.76                    | 15.85                     | 185.88                      | 0.23                          |
| 3071.04                 | 1.02                 | 127.20                    | 3070.72   | -16.88      | -0.77       | -16.87                    | 16.89                     | 182.62                      | 0.65                          |
| 3165.56                 | 1.32                 | 119.50                    | 3165.22   | -17.93      | 0.85        | -17.93                    | 17.95                     | 177.28                      | 0.36                          |
| 3260.08                 | 1.76                 | 101.83                    | 3259.70   | -18.76      | 3.23        | -18.78                    | 19.04                     | 170.25                      | 0.68                          |
| 3354.60                 | 1.44                 | 97.21                     | 3354.19   | -19.21      | 5.83        | -19.23                    | 20.07                     | 163.13                      | 0.37                          |
| 3449.12                 | 0.98                 | 99.17                     | 3448.69   | -19.49      | 7.80        | -19.52                    | 20.99                     | 158.19                      | 0.49                          |
| 3543.64                 | 0.91                 | 92.07                     | 3543.19   | -19.64      | 9.34        | -19.68                    | 21.75                     | 154.56                      | 0.14                          |
| 3638.16                 | 0.97                 | 92.50                     | 3637.70   | -19.70      | 10.90       | -19.75                    | 22.52                     | 151.05                      | 0.06                          |
| 3732.68                 | 1.31                 | 93.40                     | 3732.20   | -19.80      | 12.77       | -19.86                    | 23.57                     | 147.17                      | 0.35                          |
| 3827.20                 | 1.37                 | 76.92                     | 3826.70   | -19.61      | 14.95       | -19.68                    | 24.66                     | 142.67                      | 0.41                          |
| 3921.72                 | 0.86                 | 59.51                     | 3921.20   | -18.99      | 16.67       | -19.07                    | 25.27                     | 138.74                      | 0.64                          |
| 4016.24                 | 0.78                 | 46.67                     | 4015.71   | -18.19      | 17.74       | -18.27                    | 25.41                     | 135.72                      | 0.21                          |
| 4110.76                 | 0.86                 | 48.14                     | 4110.22   | -17.28      | 18.74       | -17.36                    | 25.49                     | 132.68                      | 0.09                          |
| 4205.28                 | 1.19                 | 62.02                     | 4204.72   | -16.34      | 20.14       | -16.43                    | 25.93                     | 129.06                      | 0.43                          |
| 4299.80                 | 2.79                 | 92.41                     | 4299.19   | -15.98      | 23.30       | -16.09                    | 28.26                     | 124.44                      | 1.98                          |
| 4394.32                 | 3.38                 | 105.40                    | 4393.57   | -16.82      | 28.30       | -16.95                    | 32.92                     | 120.73                      | 0.96                          |
| 4488.84                 | 3.12                 | 120.95                    | 4487.94   | -18.88      | 33.19       | -19.03                    | 38.19                     | 119.63                      | 0.97                          |
| 4583.36                 | 4.05                 | 123.21                    | 4582.27   | -22.03      | 38.19       | -22.20                    | 44.09                     | 119.98                      | 0.99                          |
| 4677.88                 | 4.77                 | 129.22                    | 4676.51   | -26.34      | 44.03       | -26.54                    | 51.31                     | 120.90                      | 0.91                          |
| 4772.40                 | 4.87                 | 126.37                    | 4770.70   | -31.21      | 50.30       | -31.44                    | 59.20                     | 121.82                      | 0.27                          |
| 4866.92                 | 4.52                 | 126.44                    | 4864.90   | -35.80      | 56.53       | -36.06                    | 66.91                     | 122.35                      | 0.38                          |
| 4961.44                 | 3.37                 | 125.30                    | 4959.20   | -39.62      | 61.79       | -39.90                    | 73.40                     | 122.67                      | 1.21                          |
| 5055.96                 | 3.07                 | 128.55                    | 5053.57   | -42.80      | 66.04       | -43.10                    | 78.70                     | 122.95                      | 0.37                          |
| 5150.48                 | 2.67                 | 126.09                    | 5147.97   | -45.68      | 69.80       | -46.00                    | 83.42                     | 123.20                      | 0.44                          |
| 5245.00                 | 3.68                 | 124.74                    | 5242.34   | -48.71      | 74.08       | -49.04                    | 88.65                     | 123.33                      | 1.06                          |
| 5339.52                 | 2.77                 | 122.35                    | 5336.71   | -51.66      | 78.50       | -52.01                    | 93.97                     | 123.35                      | 0.97                          |
| 5434.04                 | 2.74                 | 120.89                    | 5431.12   | -54.04      | 82.36       | -54.41                    | 98.51                     | 123.27                      | 0.08                          |

| 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 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 5528.56                 | 3.06                 | 116.46                    | 5525.52   | -56.32      | 86.56       | -56.71                    | 103.27                    | 123.05                      | 0.42                          |
| 5623.08                 | 3.07                 | 122.81                    | 5619.91   | -58.82      | 90.95       | -59.23                    | 108.31                    | 122.89                      | 0.36                          |
| 5717.60                 | 3.10                 | 124.68                    | 5714.29   | -61.64      | 95.18       | -62.07                    | 113.40                    | 122.93                      | 0.11                          |
| 5812.12                 | 2.51                 | 126.39                    | 5808.70   | -64.33      | 98.95       | -64.77                    | 118.02                    | 123.03                      | 0.64                          |
| 5906.64                 | 2.48                 | 130.57                    | 5903.13   | -66.88      | 102.16      | -67.34                    | 122.10                    | 123.21                      | 0.19                          |
| 6001.16                 | 2.94                 | 128.86                    | 5997.54   | -69.73      | 105.60      | -70.20                    | 126.54                    | 123.44                      | 0.50                          |
| 6095.68                 | 2.93                 | 124.57                    | 6091.94   | -72.62      | 109.48      | -73.12                    | 131.37                    | 123.56                      | 0.23                          |
| 6190.20                 | 2.41                 | 129.23                    | 6186.35   | -75.25      | 113.01      | -75.76                    | 135.77                    | 123.66                      | 0.60                          |
| 6284.72                 | 2.71                 | 127.80                    | 6280.78   | -77.87      | 116.31      | -78.40                    | 139.97                    | 123.80                      | 0.32                          |
| 6379.24                 | 2.82                 | 125.94                    | 6375.19   | -80.60      | 119.95      | -81.15                    | 144.52                    | 123.90                      | 0.16                          |
| 6473.76                 | 2.79                 | 123.70                    | 6469.60   | -83.25      | 123.75      | -83.81                    | 149.15                    | 123.93                      | 0.12                          |
| 6568.28                 | 2.55                 | 121.32                    | 6564.01   | -85.62      | 127.47      | -86.20                    | 153.55                    | 123.89                      | 0.28                          |
| 6662.80                 | 3.14                 | 130.67                    | 6658.42   | -88.40      | 131.23      | -89.00                    | 158.23                    | 123.97                      | 0.79                          |
| 6757.32                 | 2.64                 | 131.15                    | 6752.82   | -91.52      | 134.84      | -92.13                    | 162.96                    | 124.17                      | 0.53                          |
| 6851.84                 | 2.87                 | 133.36                    | 6847.23   | -94.58      | 138.19      | -95.21                    | 167.46                    | 124.39                      | 0.26                          |
| 6946.36                 | 2.81                 | 135.66                    | 6941.63   | -97.86      | 141.53      | -98.50                    | 172.07                    | 124.66                      | 0.13                          |
| 7040.88                 | 2.91                 | 138.47                    | 7036.03   | -101.32     | 144.75      | -101.97                   | 176.68                    | 124.99                      | 0.18                          |
| 7135.40                 | 2.86                 | 135.16                    | 7130.43   | -104.79     | 148.00      | -105.46                   | 181.34                    | 125.30                      | 0.19                          |
| 7229.92                 | 3.84                 | 134.58                    | 7224.79   | -108.68     | 151.92      | -109.37                   | 186.79                    | 125.58                      | 1.03                          |
| 7324.44                 | 2.84                 | 130.08                    | 7319.15   | -112.41     | 155.96      | -113.11                   | 192.25                    | 125.78                      | 1.09                          |
| 7418.96                 | 3.03                 | 132.26                    | 7413.54   | -115.60     | 159.61      | -116.32                   | 197.07                    | 125.91                      | 0.24                          |
| 7513.48                 | 2.95                 | 135.45                    | 7507.94   | -119.01     | 163.16      | -119.75                   | 201.96                    | 126.11                      | 0.20                          |
| 7608.00                 | 3.29                 | 146.69                    | 7602.32   | -123.02     | 166.36      | -123.77                   | 206.90                    | 126.48                      | 0.74                          |
| 7702.52                 | 3.18                 | 151.44                    | 7696.69   | -127.59     | 169.11      | -128.35                   | 211.84                    | 127.03                      | 0.31                          |
| 7797.04                 | 3.37                 | 163.54                    | 7791.05   | -132.55     | 171.14      | -133.33                   | 216.47                    | 127.76                      | 0.76                          |
| 7891.56                 | 3.42                 | 159.60                    | 7885.41   | -137.86     | 172.91      | -138.64                   | 221.14                    | 128.56                      | 0.25                          |
| 7986.08                 | 3.16                 | 151.69                    | 7979.77   | -142.79     | 175.13      | -143.59                   | 225.97                    | 129.19                      | 0.55                          |
| 8080.60                 | 4.40                 | 149.24                    | 8074.08   | -148.20     | 178.22      | -149.01                   | 231.79                    | 129.75                      | 1.32                          |
| 8175.12                 | 3.35                 | 148.81                    | 8168.39   | -153.68     | 181.51      | -154.50                   | 237.83                    | 130.25                      | 1.11                          |
| 8269.64                 | 3.16                 | 156.94                    | 8262.75   | -158.45     | 183.96      | -159.28                   | 242.79                    | 130.74                      | 0.53                          |
| 8364.16                 | 3.15                 | 158.55                    | 8357.13   | -163.26     | 185.93      | -164.10                   | 247.44                    | 131.29                      | 0.10                          |
| 8458.68                 | 2.90                 | 159.57                    | 8451.52   | -167.92     | 187.72      | -168.77                   | 251.86                    | 131.81                      | 0.27                          |
| 8553.20                 | 2.91                 | 163.33                    | 8545.92   | -172.45     | 189.24      | -173.31                   | 256.03                    | 132.34                      | 0.20                          |
| 8647.72                 | 2.88                 | 161.94                    | 8640.32   | -177.01     | 190.66      | -177.87                   | 260.16                    | 132.87                      | 0.08                          |
| 8742.24                 | 3.05                 | 158.64                    | 8734.71   | -181.60     | 192.31      | -182.47                   | 264.51                    | 133.36                      | 0.25                          |
| 8836.76                 | 2.55                 | 157.71                    | 8829.12   | -185.89     | 194.02      | -186.77                   | 268.70                    | 133.77                      | 0.53                          |
| 8931.28                 | 2.94                 | 159.62                    | 8923.53   | -190.10     | 195.66      | -190.99                   | 272.80                    | 134.17                      | 0.42                          |
| 9025.80                 | 2.66                 | 160.53                    | 9017.94   | -194.43     | 197.24      | -195.33                   | 276.96                    | 134.59                      | 0.30                          |
| 9120.32                 | 2.26                 | 163.66                    | 9112.37   | -198.29     | 198.49      | -199.19                   | 280.56                    | 134.97                      | 0.44                          |

| 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 |
|-------------------------|----------------------|---------------------------|-----------|-------------|-------------|---------------------------|---------------------------|-----------------------------|-------------------------------|
| 9214.84                 | 1.70                 | 178.45                    | 9206.83   | -201.48     | 199.05      | -202.38                   | 283.22                    | 135.35                      | 0.80                          |
| 9309.36                 | 1.42                 | 184.20                    | 9301.32   | -204.04     | 199.01      | -204.94                   | 285.02                    | 135.72                      | 0.34                          |
| 9403.88                 | 1.71                 | 210.02                    | 9395.80   | -206.43     | 198.21      | -207.32                   | 286.18                    | 136.16                      | 0.80                          |
| 9498.40                 | 1.62                 | 222.81                    | 9490.28   | -208.63     | 196.60      | -209.52                   | 286.67                    | 136.70                      | 0.40                          |
| 9592.92                 | 1.55                 | 219.89                    | 9584.77   | -210.59     | 194.87      | -211.47                   | 286.92                    | 137.22                      | 0.12                          |
| 9687.44                 | 1.63                 | 208.13                    | 9679.25   | -212.76     | 193.42      | -213.63                   | 287.53                    | 137.73                      | 0.36                          |
| 9781.96                 | 1.49                 | 206.31                    | 9773.74   | -215.04     | 192.24      | -215.91                   | 288.44                    | 138.20                      | 0.16                          |
| 9876.48                 | 1.58                 | 206.80                    | 9868.22   | -217.30     | 191.11      | -218.17                   | 289.39                    | 138.67                      | 0.09                          |
| 9971.00                 | 1.54                 | 205.27                    | 9962.71   | -219.61     | 189.98      | -220.47                   | 290.38                    | 139.14                      | 0.06                          |
| 10065.52                | 2.33                 | 203.38                    | 10057.17  | -222.52     | 188.68      | -223.37                   | 291.75                    | 139.70                      | 0.84                          |
| 10160.04                | 2.26                 | 204.72                    | 10151.62  | -225.98     | 187.14      | -226.82                   | 293.40                    | 140.37                      | 0.09                          |
| 10254.56                | 2.26                 | 203.96                    | 10246.06  | -229.38     | 185.60      | -230.22                   | 295.06                    | 141.02                      | 0.03                          |
| 10349.08                | 2.41                 | 202.72                    | 10340.51  | -232.91     | 184.08      | -233.74                   | 296.87                    | 141.68                      | 0.16                          |



Vaughn Energy Services  
West Texas  
Surveyor: Chris Bankson  
432-563-5444  
Bell Lake 24 Federal No 001H / API 30-025-41182



VFS Survey Date: 09/18/2013



# Weatherford®

Evaluation, Drilling & Intervention  
10000 West County Rd. 116  
P.O. Box 61028  
Midland, TX USA 79711  
Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy  
333 W. Sherridan Ave  
Oklahoma City, OK, 73102

Date: September 27, 2013

Attention: Kurtis Schmitz

Re: Devon Energy  
Well: Bell Lake 24 Fed #1H  
Lea County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

| Name & Title<br>Of Surveyor  | Well<br>Number | Surveyed<br>Depths   | Dates<br>Performed     | Type of<br>Survey             |
|------------------------------|----------------|----------------------|------------------------|-------------------------------|
| Dave Latch<br>MWD Supervisor | 1H             | 10405 MD<br>15714 MD | 9/18/2013<br>9/26/2013 | Measurement<br>While Drilling |

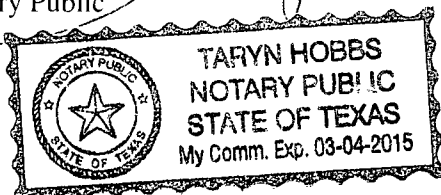
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesus Aguilar  
MWD Coordinator

On this, the 1<sup>st</sup> day of October, 2013, before me a notary public, the undersigned officer, personally appeared JESUS AGUILAR, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary Public





# Weatherford International Ltd.

## WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy Date: 9/25/2013 Time: 05:16:39 Page: 1  
Field: Lea County, New Mexico (NAD 83) Co-ordinate(NE) Reference: Well: Bell Lake 24 Fed #1H, Grid North  
Site: Bell Lake 24 Fed #1H Vertical (TVD) Reference: SITE 3603.9  
Well: Bell Lake 24 Fed #1H Section (VS) Reference: Well (0.00N,0.00E,359.74Azi)  
Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Wft Svy Start Date: 9/20/2013  
Company: Weatherford International Ltd. Engineer: Russell Joyner  
Tool: MWD/MWD - Standard Tied-to: User Defined

Site: Bell Lake 24 Fed #1H

Site Position: Northing: 435901.91 ft Latitude: 32 11 47.182 N  
From: Map Easting: 757432.42 ft Longitude: 103 38 5.082 W  
Position Uncertainty: 0.00 ft North Reference: Grid  
Ground Level: 3578.90 ft Grid Convergence: 0.37 deg

Well: Bell Lake 24 Fed #1H Slot Name:  
Well Position: +N/-S 0.00 ft Northing: 435901.91 ft Latitude: 32 11 47.182 N  
+E/-W 0.00 ft Easting: 757432.42 ft Longitude: 103 38 5.082 W  
Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface  
Current Datum: SITE Height 3603.90 ft Tie-on Depth: 0.00 ft  
Magnetic Data: 10/1/2013 Above System Datum: Mean Sea Level  
Field Strength: 48389 nT Declination: 7.33 deg  
Vertical Section: Depth From (TVD) +N/-S 0.00 ft Mag Dip Angle: 60.09 deg  
ft +E/-W 0.00 ft Direction deg  
0.00 0.00 0.00 359.74

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | VS<br>ft | MapN<br>ft | MapE<br>ft | Comment                     |
|----------|-------------|-------------|-----------|-----------|-----------|------------------|----------|------------|------------|-----------------------------|
| 10349.08 | 2.41        | 202.72      | 10340.51  | -232.91   | 184.08    | 0.00             | -233.74  | 435669.00  | 757616.50  | Tie On VES<br>First Wft Svy |
| 10405.00 | 2.57        | 200.03      | 10396.37  | -235.17   | 183.20    | 0.35             | -236.00  | 435666.74  | 757615.62  |                             |
| 10437.00 | 2.88        | 195.18      | 10428.34  | -236.62   | 182.74    | 1.21             | -237.45  | 435665.29  | 757615.16  |                             |
| 10468.00 | 1.12        | 190.14      | 10459.32  | -237.67   | 182.48    | 5.70             | -238.50  | 435664.24  | 757614.90  |                             |
| 10500.00 | 1.85        | 32.71       | 10491.31  | -237.55   | 182.71    | 9.11             | -238.37  | 435664.36  | 757615.13  |                             |
| 10531.00 | 5.45        | 12.67       | 10522.25  | -235.69   | 183.30    | 12.15            | -236.52  | 435666.22  | 757615.72  |                             |
| 10563.00 | 8.81        | 9.44        | 10553.99  | -231.79   | 184.04    | 10.57            | -232.62  | 435670.12  | 757616.46  |                             |
| 10594.00 | 10.81       | 10.92       | 10584.54  | -226.59   | 184.98    | 6.50             | -227.43  | 435675.32  | 757617.40  |                             |
| 10626.00 | 13.81       | 10.28       | 10615.80  | -219.88   | 186.23    | 9.38             | -220.73  | 435682.03  | 757618.65  |                             |
| 10657.00 | 17.34       | 10.62       | 10645.66  | -211.70   | 187.74    | 11.39            | -212.55  | 435690.21  | 757620.16  |                             |
| 10689.00 | 21.25       | 8.29        | 10675.85  | -201.27   | 189.45    | 12.45            | -202.13  | 435700.64  | 757621.87  |                             |
| 10721.00 | 25.08       | 5.02        | 10705.27  | -188.77   | 190.88    | 12.62            | -189.63  | 435713.14  | 757623.30  |                             |
| 10752.00 | 28.92       | 2.73        | 10732.89  | -174.73   | 191.82    | 12.83            | -175.60  | 435727.18  | 757624.24  |                             |
| 10784.00 | 32.76       | 0.93        | 10760.36  | -158.34   | 192.33    | 12.34            | -159.21  | 435743.57  | 757624.75  |                             |
| 10815.00 | 36.68       | 359.21      | 10785.83  | -140.69   | 192.33    | 13.03            | -141.56  | 435761.22  | 757624.75  |                             |
| 10847.00 | 40.33       | 359.17      | 10810.87  | -120.77   | 192.05    | 11.41            | -121.64  | 435781.14  | 757624.47  |                             |
| 10878.00 | 44.37       | 358.92      | 10833.78  | -99.90    | 191.70    | 13.04            | -100.76  | 435802.01  | 757624.12  |                             |
| 10910.00 | 47.96       | 358.66      | 10855.94  | -76.82    | 191.21    | 11.23            | -77.69   | 435825.09  | 757623.63  |                             |
| 10941.00 | 51.68       | 357.23      | 10875.93  | -53.16    | 190.36    | 12.51            | -54.02   | 435848.75  | 757622.78  |                             |
| 10973.00 | 55.56       | 355.73      | 10894.91  | -27.45    | 188.77    | 12.70            | -28.31   | 435874.46  | 757621.19  |                             |
| 11004.00 | 59.37       | 354.31      | 10911.58  | -1.42     | 186.49    | 12.88            | -2.27    | 435900.49  | 757618.91  |                             |
| 11036.00 | 62.62       | 354.71      | 10927.10  | 26.43     | 183.82    | 10.21            | 25.60    | 435928.34  | 757616.24  |                             |
| 11067.00 | 66.05       | 355.33      | 10940.52  | 54.27     | 181.39    | 11.21            | 53.44    | 435956.18  | 757613.81  |                             |
| 11099.00 | 68.90       | 356.66      | 10952.78  | 83.75     | 179.33    | 9.70             | 82.93    | 435985.66  | 757611.75  |                             |
| 11130.00 | 71.90       | 356.81      | 10963.18  | 112.90    | 177.67    | 9.69             | 112.09   | 436014.81  | 757610.09  |                             |
| 11162.00 | 74.38       | 356.99      | 10972.46  | 143.48    | 176.01    | 7.77             | 142.68   | 436045.39  | 757608.43  |                             |
| 11194.00 | 76.92       | 356.95      | 10980.39  | 174.43    | 174.38    | 7.94             | 173.64   | 436076.34  | 757606.80  |                             |
| 11225.00 | 79.66       | 356.97      | 10986.68  | 204.74    | 172.77    | 8.84             | 203.96   | 436106.65  | 757605.19  |                             |
| 11257.00 | 81.99       | 357.34      | 10991.78  | 236.29    | 171.20    | 7.37             | 235.51   | 436138.20  | 757603.62  |                             |
| 11288.00 | 84.88       | 357.28      | 10995.32  | 267.05    | 169.75    | 9.32             | 266.28   | 436168.96  | 757602.17  |                             |



# Weatherford International Ltd.

## WFT Survey Report X & Y's

**Weatherford**

Company: Devon Energy  
Field: Lea County, New Mexico (NAD 83)  
Site: Bell Lake 24 Fed #1H  
Well: Bell Lake 24 Fed #1H  
Wellpath: 1

Date: 9/25/2013 Time: 05:16:39 Page: 2  
Co-ordinate(NE) Reference: Well: Bell Lake 24 Fed #1H, Grid North  
Vertical (TVD) Reference: SITE 3603.9  
Section (VS) Reference: Well (0.00N,0.00E,359.74Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | VS<br>ft | MapN<br>ft | MapE<br>ft | Comment      |
|----------|-------------|-------------|-----------|-----------|-----------|------------------|----------|------------|------------|--------------|
| 11312.00 | 86.92       | 355.90      | 10997.04  | 290.95    | 168.33    | 10.25            | 290.18   | 436192.86  | 757600.75  |              |
| 11344.00 | 89.02       | 355.16      | 10998.17  | 322.83    | 165.84    | 6.96             | 322.07   | 436224.74  | 757598.26  |              |
| 11375.00 | 90.07       | 355.00      | 10998.42  | 353.71    | 163.18    | 3.43             | 352.97   | 436255.62  | 757595.60  |              |
| 11470.00 | 92.10       | 354.78      | 10996.62  | 448.31    | 154.72    | 2.15             | 447.61   | 436350.22  | 757587.14  |              |
| 11564.00 | 92.80       | 356.48      | 10992.60  | 541.95    | 147.56    | 1.95             | 541.27   | 436443.86  | 757579.98  |              |
| 11659.00 | 91.96       | 357.33      | 10988.66  | 636.73    | 142.44    | 1.26             | 636.07   | 436538.64  | 757574.86  |              |
| 11754.00 | 90.98       | 357.79      | 10986.22  | 731.61    | 138.40    | 1.14             | 730.97   | 436633.52  | 757570.82  |              |
| 11849.00 | 87.90       | 359.18      | 10987.15  | 826.56    | 135.88    | 3.56             | 825.93   | 436728.47  | 757568.30  |              |
| 11943.00 | 89.44       | 359.48      | 10989.33  | 920.52    | 134.78    | 1.67             | 919.90   | 436822.43  | 757567.20  |              |
| 12038.00 | 88.81       | 359.24      | 10990.78  | 1015.51   | 133.72    | 0.71             | 1014.89  | 436917.42  | 757566.14  |              |
| 12132.00 | 89.23       | 359.38      | 10992.39  | 1109.48   | 132.59    | 0.47             | 1108.87  | 437011.39  | 757565.01  |              |
| 12227.00 | 90.63       | 357.83      | 10992.50  | 1204.45   | 130.28    | 2.20             | 1203.85  | 437106.36  | 757562.70  |              |
| 12321.00 | 90.56       | 356.96      | 10991.53  | 1298.35   | 126.01    | 0.93             | 1297.76  | 437200.26  | 757558.43  |              |
| 12416.00 | 89.58       | 356.49      | 10991.41  | 1393.19   | 120.58    | 1.14             | 1392.63  | 437295.10  | 757553.00  |              |
| 12510.00 | 91.33       | 356.90      | 10990.67  | 1487.03   | 115.16    | 1.91             | 1486.49  | 437388.94  | 757547.58  |              |
| 12605.00 | 91.26       | 357.55      | 10988.52  | 1581.89   | 110.56    | 0.69             | 1581.37  | 437483.80  | 757542.98  |              |
| 12699.00 | 87.97       | 358.37      | 10989.15  | 1675.82   | 107.22    | 3.61             | 1675.31  | 437577.73  | 757539.64  |              |
| 12794.00 | 88.26       | 358.59      | 10992.28  | 1770.73   | 104.70    | 0.38             | 1770.24  | 437672.64  | 757537.12  |              |
| 12889.00 | 90.00       | 359.94      | 10993.72  | 1865.71   | 103.48    | 2.32             | 1865.22  | 437767.62  | 757535.90  |              |
| 12983.00 | 90.14       | 358.69      | 10993.60  | 1959.70   | 102.36    | 1.34             | 1959.21  | 437861.61  | 757534.78  |              |
| 13077.00 | 88.18       | 357.04      | 10994.98  | 2053.61   | 98.86     | 2.73             | 2053.15  | 437955.52  | 757531.28  |              |
| 13172.00 | 89.09       | 357.65      | 10997.24  | 2148.48   | 94.46     | 1.15             | 2148.03  | 438050.39  | 757526.88  |              |
| 13267.00 | 90.42       | 357.68      | 10997.65  | 2243.40   | 90.59     | 1.40             | 2242.97  | 438145.31  | 757523.01  |              |
| 13361.00 | 90.28       | 357.98      | 10997.08  | 2337.33   | 87.03     | 0.35             | 2336.91  | 438239.24  | 757519.45  |              |
| 13456.00 | 91.33       | 357.70      | 10995.74  | 2432.26   | 83.45     | 1.14             | 2431.85  | 438334.17  | 757515.87  |              |
| 13551.00 | 90.63       | 356.60      | 10994.12  | 2527.12   | 78.72     | 1.37             | 2526.74  | 438429.03  | 757511.14  |              |
| 13645.00 | 90.14       | 356.64      | 10993.48  | 2620.96   | 73.18     | 0.52             | 2620.60  | 438522.87  | 757505.60  |              |
| 13740.00 | 91.74       | 356.53      | 10991.93  | 2715.77   | 67.52     | 1.69             | 2715.44  | 438617.68  | 757499.94  |              |
| 13835.00 | 90.14       | 357.03      | 10990.37  | 2810.61   | 62.19     | 1.76             | 2810.29  | 438712.52  | 757494.61  |              |
| 13929.00 | 86.65       | 355.91      | 10993.00  | 2904.37   | 56.41     | 3.90             | 2904.09  | 438806.28  | 757488.83  |              |
| 14023.00 | 87.76       | 356.40      | 10997.58  | 2998.05   | 50.11     | 1.29             | 2997.79  | 438899.96  | 757482.53  |              |
| 14118.00 | 89.16       | 356.26      | 11000.14  | 3092.82   | 44.03     | 1.48             | 3092.59  | 438994.73  | 757476.45  |              |
| 14212.00 | 90.42       | 356.82      | 11000.48  | 3186.64   | 38.36     | 1.47             | 3186.44  | 439088.55  | 757470.78  |              |
| 14307.00 | 89.51       | 357.73      | 11000.54  | 3281.53   | 33.84     | 1.35             | 3281.35  | 439183.44  | 757466.26  |              |
| 14401.00 | 88.88       | 358.01      | 11001.86  | 3375.46   | 30.35     | 0.73             | 3375.29  | 439277.37  | 757462.77  |              |
| 14495.00 | 90.21       | 359.44      | 11002.61  | 3469.43   | 28.26     | 2.08             | 3469.26  | 439371.34  | 757460.68  |              |
| 14590.00 | 89.72       | 358.53      | 11002.66  | 3564.41   | 26.57     | 1.09             | 3564.25  | 439466.32  | 757458.99  |              |
| 14684.00 | 87.98       | 358.94      | 11004.55  | 3658.37   | 24.50     | 1.90             | 3658.22  | 439560.28  | 757456.92  |              |
| 14779.00 | 88.53       | 359.22      | 11007.44  | 3753.31   | 22.98     | 0.65             | 3753.17  | 439655.22  | 757455.40  |              |
| 14873.00 | 89.37       | 0.08        | 11009.17  | 3847.29   | 22.40     | 1.28             | 3847.15  | 439749.20  | 757454.82  |              |
| 14968.00 | 90.28       | 359.02      | 11009.46  | 3942.28   | 21.65     | 1.47             | 3942.15  | 439844.19  | 757454.07  |              |
| 15063.00 | 91.88       | 358.40      | 11007.67  | 4037.24   | 19.52     | 1.81             | 4037.11  | 439939.15  | 757451.94  |              |
| 15157.00 | 93.07       | 358.73      | 11003.61  | 4131.12   | 17.16     | 1.31             | 4131.00  | 440033.03  | 757449.58  |              |
| 15252.00 | 92.10       | 358.68      | 10999.32  | 4226.00   | 15.02     | 1.02             | 4225.89  | 440127.91  | 757447.44  |              |
| 15347.00 | 89.23       | 358.56      | 10998.22  | 4320.96   | 12.73     | 3.02             | 4320.85  | 440222.87  | 757445.15  |              |
| 15441.00 | 90.21       | 359.47      | 10998.68  | 4414.94   | 11.12     | 1.42             | 4414.84  | 440316.85  | 757443.54  |              |
| 15536.00 | 91.05       | 357.63      | 10997.63  | 4509.90   | 8.71      | 2.13             | 4509.81  | 440411.81  | 757441.13  |              |
| 15627.00 | 91.19       | 357.40      | 10995.86  | 4600.79   | 4.77      | 0.30             | 4600.73  | 440502.70  | 757437.19  |              |
| 15714.00 | 91.95       | 357.45      | 10993.47  | 4687.67   | 0.86      | 0.88             | 4687.62  | 440589.58  | 757433.28  | Last Wft Svy |
| 15784.00 | 91.95       | 357.45      | 10991.09  | 4757.56   | -2.25     | 0.00             | 4757.52  | 440659.47  | 757430.17  | Proj. To Bit |



# Weatherford International Ltd.

## WFT Survey Report X & Y's



Weatherford

|                                               |                                                                          |                       |                   |
|-----------------------------------------------|--------------------------------------------------------------------------|-----------------------|-------------------|
| <b>Company:</b> Devon Energy                  | <b>Date:</b> 9/25/2013                                                   | <b>Time:</b> 05:16:39 | <b>Page:</b> 3    |
| <b>Field:</b> Lea County, New Mexico (NAD 83) | <b>Co-ordinate(NE) Reference:</b> Well: Bell Lake 24 Fed #1H, Grid North |                       |                   |
| <b>Site:</b> Bell Lake 24 Fed #1H             | <b>Vertical (TVD) Reference:</b> SITE 3603.9                             |                       |                   |
| <b>Well:</b> Bell Lake 24 Fed #1H             | <b>Section (VS) Reference:</b> Well (0.00N,0.00E,359.74Azi)              |                       |                   |
| <b>Wellpath:</b> 1                            | <b>Survey Calculation Method:</b> Minimum Curvature                      |                       | <b>Db:</b> Sybase |

### Annotation

| MD<br>ft | TVD<br>ft |               |
|----------|-----------|---------------|
| 10349.08 | 10340.51  | Tie On VES    |
| 10405.00 | 10396.37  | First Wft Svy |
| 15714.00 | 10993.47  | Last Wft Svy  |
| 15784.00 | 10991.09  | Proj. To Bit  |

# devon

Bell Lake 24 Fed #1H  
Lea County, New Mexico

## SECTION DETAILS

| Sec | MD       | Inc   | Azi    | TVD      | +N/-S   | +E/-W  | DLeg  | TFace  | VSec    | Target |
|-----|----------|-------|--------|----------|---------|--------|-------|--------|---------|--------|
| 1   | 10349.08 | 2.41  | 202.72 | 10340.51 | -232.91 | 184.08 | 0.00  | 0.00   | -233.74 |        |
| 2   | 10468.03 | 2.41  | 202.72 | 10459.35 | -237.52 | 182.15 | 0.00  | 0.00   | -238.35 |        |
| 3   | 11306.08 | 90.00 | 357.78 | 11000.00 | 282.20  | 152.35 | 11.00 | 155.04 | 281.51  |        |
| 4   | 15783.85 | 90.00 | 357.78 | 11000.00 | 4756.60 | -21.49 | 0.00  | 0.00   | 4756.65 | PBHL   |

## WELL DETAILS

| Name                 | +N/-S | +E/-W | Northing  | Easting   | Latitude      | Longitude      | Slot |
|----------------------|-------|-------|-----------|-----------|---------------|----------------|------|
| Bell Lake 24 Fed #1H | 0.00  | 0.00  | 435901.91 | 757432.42 | 32°11'47.182N | 103°38'05.082W | N/A  |

## TARGET DETAILS

| Name | TVD      | +N/-S   | +E/-W  | Northing  | Easting   | Shape               |
|------|----------|---------|--------|-----------|-----------|---------------------|
| PBHL | 11000.00 | 4756.60 | -21.49 | 440658.51 | 757410.93 | Rectangle (4477x50) |

## SITE DETAILS

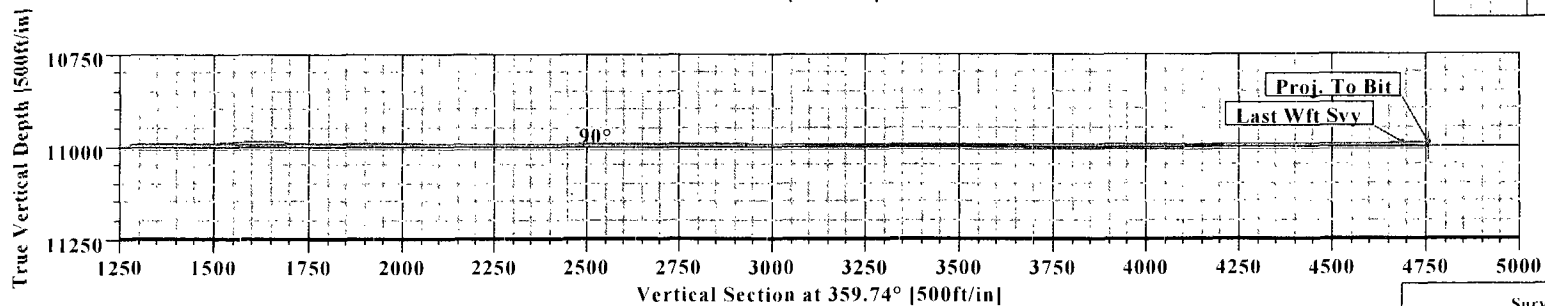
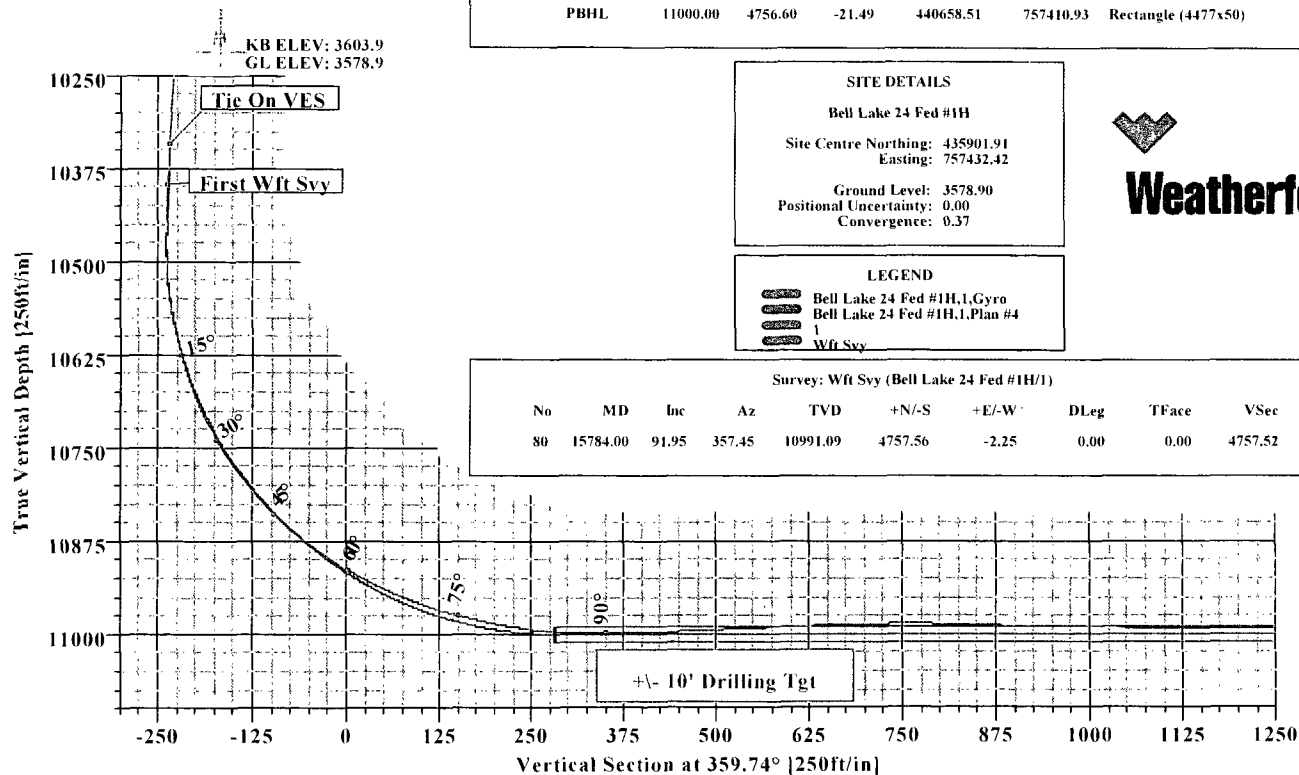
Bell Lake 24 Fed #1H  
Site Centre Northing: 435901.91  
Easting: 757432.42  
Ground Level: 3578.90  
Positional Uncertainty: 0.00  
Convergence: 0.37

## LEGEND

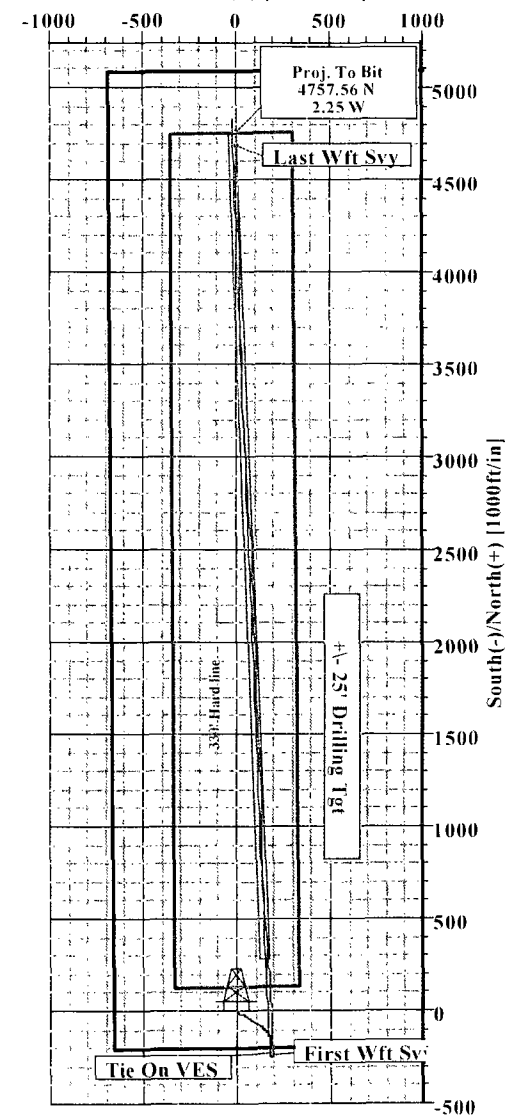
- Bell Lake 24 Fed #1H, I.Gyro
- Bell Lake 24 Fed #1H, I. Plan #4
- Wft Svy

## Survey: Wft Svy (Bell Lake 24 Fed #1H/I)

| No | MD       | Inc   | Az     | TVD      | +N/-S   | +E/-W | DLeg | TFace | VSec    |
|----|----------|-------|--------|----------|---------|-------|------|-------|---------|
| 80 | 15784.00 | 91.95 | 357.45 | 10991.09 | 4757.56 | -2.25 | 0.00 | 0.00  | 4757.52 |



## West(-)/East(+) [1000ft/in]



Survey: Wft Svy (Bell Lake 24 Fed #1H/I)

Created By: Russell Joyner

Date: 9/25/2013