



An Operating Unit of Smith International, Inc.

HOBBS OCD

AUG 29 2011

***DIRECTIONAL SURVEY REPORT*** RECEIVED

30-015-38334

**DEVON ENERGY**  
***DIAMOND PWU 22 #1H***  
***EDDY COUNTY, NEW MEXICO***

**PREPARED BY: FRANCISCO SINISTERRA**

Pathfinder Energy Services, Inc.  
6213 W. Interstate 20 • Midland, TX • 79706  
(432) 681-6000

Pathfinder

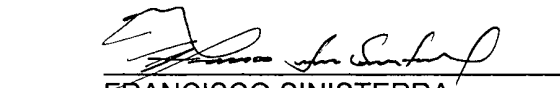
6213 W Interstate 20  
Midland, Texas 79706  
Tel 432 687 1647  
Fax 432 687 1544



DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:  
A) JOSH SNEED
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 04-06-11 TO 04-11-11
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:  
  
DEVON ENERGY  
DIAMOND PWU 22 #1H  
EDDY COUNTY, NM  
RIG: H & P 300
9. SURVEY CERTIFIED FROM: 7382 TO 12172 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 4613.87 FEET ON A BEARING OF 88.30 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 12262.00 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

  
FRANCISCO SINISTERRA,  
M/LWD SERVICE COORDINATOR

# PathFinder Energy Services, Inc.

## BHL Report

Page 01/01  
Tie-in Date: 04/11/2011  
Date Completed: 04/11/2011

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DEVON ENERGY CORPORATION  
DIAMOND PWU 22 #1H  
EDDY COUNTY, NM  
Rig:H&P 300  
PathFinder Office Supervisor: FRANCISCO SINISTERRA  
PathFinder Field Engineers:J.SNEED  
A.HORBACZEWSKI

Survey Horiz. Reference:WELLHEAD  
Ref Coordinates: LAT:32.39.7.0332 N LON:104.4.12.4609 W  
GRID Reference:NAD83 new mexico east Transverse Mercator  
Ref GRID Coord: X: 622345.5200 Y: 601012.0900  
North Aligned To:GRID NORTH  
Total Magnetic Correction: 7.73° EAST TO GRID  
Vertical Section Plane: 88.10  
Survey Vert. Reference: 25.00' Kelly Bushing To Ground  
Altitude:3331.20' Ground To MSL

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|                       |                |             |
|-----------------------|----------------|-------------|
| Measured Depth        | 12262.00       | (feet)      |
| Inclination           | 88.93          | (deg)       |
| Azimuth               | 90.33          | (deg)       |
| True Vertical Depth   | 7992.89        | (feet)      |
| Vertical Section      | 4613.84        | (feet)      |
| Survey X cord         | 626957.37      | (feet)      |
| Survey Y cord         | 601148.73      | (feet)      |
| Survey Lat            | 32.65229693 N  | (deg)       |
| Survey Lon            | 104.05514254 W | (deg)       |
| Rectangular Corr. N/S | 136.64 N       | (feet)      |
| Rectangular Corr. E/W | 4611.85 E      | (feet)      |
| Closure Distance      | 4613.87        | (feet)      |
| Direction of Closure  | 88.30          | (deg)       |
| Dogleg Severity       | 1.11           | (deg/100ft) |

# PathFinder Energy Services, Inc.

## Survey Report

DEVON ENERGY CORPORATION

DIAMOND PWU 22 #1H

EDDY COUNTY, NM

Rig:H&amp;P 300

PathFinder Office Supervisor: FRANCISCO SINISTERRA

PathFinder Field Engineers: J.SNEED

A.HORBACZEWSKI

Survey Horiz. Reference:WELLHEAD

Ref Coordinates: LAT:32.39.7.0332 N LON:104.4.12.4609 W

GRID Reference:NAD83 new mexico east Transverse Mercator

Ref GRID Coord: X: 622345.5200 Y: 601012.0900

North Aligned To:GRID NORTH

Total Magnetic Correction: 7.73° EAST TO GRID

Vertical Section Plane: 88.10

Survey Vert. Reference: 25.00' Kelly Bushing To Ground

Altitude:3331.20' Ground To MSL

Survey Calculations by RX5 V6.03E using Minimum Curvature

| Measured<br>Depth<br>(ft)                    | Incl<br>(deg) | Drift<br>Dir.<br>(deg) | TVD<br>(ft) | Course<br>Length<br>(ft) | Vertical<br>Section<br>(ft) | TOTAL                       |                             | Closure      |              | DLS   |
|----------------------------------------------|---------------|------------------------|-------------|--------------------------|-----------------------------|-----------------------------|-----------------------------|--------------|--------------|-------|
|                                              |               |                        |             |                          |                             | Rectangular Offsets<br>(ft) | Rectangular Offsets<br>(ft) | Dist<br>(ft) | Dir<br>(deg) |       |
| TIE INTO SCIENTIFIC DRILLING GYRO AT 7248'MD |               |                        |             |                          |                             |                             |                             |              |              |       |
| 7248.00                                      | 1.26          | 159.91                 | 7245.78     | 0.00                     | -42.66                      | 109.72 N                    | 46.32 W                     | 119.10@      | 337.11       | 0.00  |
| THE FOLLOWING ARE PATHFINDER MWD SURVEYS     |               |                        |             |                          |                             |                             |                             |              |              |       |
| 7382.00                                      | 14.86         | 79.60                  | 7378.25     | 134.00                   | -25.11                      | 111.45 N                    | 28.82 W                     | 115.11@      | 345.50       | 10.97 |
| 7413.00                                      | 19.35         | 80.13                  | 7407.87     | 31.00                    | -16.08                      | 113.05 N                    | 19.84 W                     | 114.77@      | 350.04       | 14.49 |
| 7443.00                                      | 23.65         | 80.92                  | 7435.78     | 30.00                    | -5.19                       | 114.85 N                    | 9.00 W                      | 115.20@      | 355.52       | 14.37 |
| 7476.00                                      | 26.29         | 81.33                  | 7465.69     | 33.00                    | 8.64                        | 117.00 N                    | 4.76 E                      | 117.09@      | 2.33         | 8.02  |
| 7508.00                                      | 27.70         | 83.29                  | 7494.20     | 32.00                    | 23.09                       | 118.93 N                    | 19.16 E                     | 120.47@      | 9.15         | 5.21  |
|                                              |               |                        |             |                          |                             |                             |                             |              |              |       |
| 7537.00                                      | 28.67         | 85.22                  | 7519.77     | 29.00                    | 36.75                       | 120.30 N                    | 32.78 E                     | 124.69@      | 15.24        | 4.59  |
| 7571.00                                      | 30.34         | 86.78                  | 7549.36     | 34.00                    | 53.49                       | 121.46 N                    | 49.49 E                     | 131.16@      | 22.17        | 5.41  |
| 7601.00                                      | 33.77         | 89.23                  | 7574.78     | 30.00                    | 69.40                       | 122.00 N                    | 65.39 E                     | 138.42@      | 28.19        | 12.23 |
| 7633.00                                      | 36.49         | 90.66                  | 7600.95     | 32.00                    | 87.80                       | 122.01 N                    | 83.80 E                     | 148.02@      | 34.48        | 8.88  |
|                                              |               |                        |             |                          |                             |                             |                             |              |              |       |
| 7665.00                                      | 38.60         | 92.43                  | 7626.32     | 32.00                    | 107.27                      | 121.48 N                    | 103.29 E                    | 159.46@      | 40.38        | 7.40  |
| 7697.00                                      | 41.59         | 92.30                  | 7650.80     | 32.00                    | 127.82                      | 120.63 N                    | 123.88 E                    | 172.91@      | 45.76        | 9.35  |
| 7727.00                                      | 45.20         | 91.99                  | 7672.59     | 30.00                    | 148.37                      | 119.86 N                    | 144.48 E                    | 187.72@      | 50.32        | 12.05 |
| 7760.00                                      | 47.57         | 91.64                  | 7695.35     | 33.00                    | 172.21                      | 119.10 N                    | 168.36 E                    | 206.23@      | 54.72        | 7.22  |
|                                              |               |                        |             |                          |                             |                             |                             |              |              |       |
| 7791.00                                      | 49.42         | 90.98                  | 7715.90     | 31.00                    | 195.39                      | 118.57 N                    | 191.56 E                    | 225.29@      | 58.24        | 6.18  |
| 7821.00                                      | 51.53         | 90.47                  | 7734.99     | 30.00                    | 218.51                      | 118.28 N                    | 214.70 E                    | 245.13@      | 61.15        | 7.15  |
| 7854.00                                      | 53.20         | 89.50                  | 7755.14     | 33.00                    | 244.62                      | 118.29 N                    | 240.83 E                    | 268.32@      | 63.84        | 5.57  |
| 7886.00                                      | 54.43         | 88.79                  | 7774.03     | 32.00                    | 270.45                      | 118.68 N                    | 266.66 E                    | 291.87@      | 66.01        | 4.24  |
|                                              |               |                        |             |                          |                             |                             |                             |              |              |       |
| 7915.00                                      | 55.93         | 88.53                  | 7790.59     | 29.00                    | 294.25                      | 119.24 N                    | 290.46 E                    | 313.98@      | 67.68        | 5.23  |
| 7949.00                                      | 59.97         | 88.27                  | 7808.63     | 34.00                    | 323.06                      | 120.04 N                    | 319.26 E                    | 341.08@      | 69.39        | 11.90 |
| 7981.00                                      | 63.31         | 88.94                  | 7823.83     | 32.00                    | 351.22                      | 120.72 N                    | 347.41 E                    | 367.78@      | 70.84        | 10.60 |
| 8011.00                                      | 65.33         | 89.37                  | 7836.83     | 30.00                    | 378.25                      | 121.12 N                    | 374.44 E                    | 393.54@      | 72.07        | 6.86  |
|                                              |               |                        |             |                          |                             |                             |                             |              |              |       |
| 8044.00                                      | 67.44         | 89.28                  | 7850.04     | 33.00                    | 408.48                      | 121.48 N                    | 404.67 E                    | 422.51@      | 73.29        | 6.40  |
| 8076.00                                      | 70.26         | 88.95                  | 7861.59     | 32.00                    | 438.31                      | 121.94 N                    | 434.51 E                    | 451.29@      | 74.32        | 8.86  |

# PathFinder Energy Services, Inc.

## Survey Report

DEVON ENERGY CORPORATION  
DIAMOND PWU 22 #1H  
EDDY COUNTY, NM  
RIG:H&P 300

Page 02/03

| Measured<br>Depth<br>(ft) | Incl<br>(deg) | Drift<br>Dir.<br>(deg) | TVD<br>(ft) | Course<br>Length<br>(ft) | Vertical<br>Section<br>(ft) | TOTAL<br>Rectangular Offsets<br>(ft) (ft) |           | Closure<br>Dist Dir<br>(ft) (deg) |       | DLS<br>(dg/100ft) |
|---------------------------|---------------|------------------------|-------------|--------------------------|-----------------------------|-------------------------------------------|-----------|-----------------------------------|-------|-------------------|
| 8105.00                   | 72.37         | 88.59                  | 7870.88     | 29.00                    | 465.78                      | 122.53 N                                  | 461.97 E  | 477.95@                           | 75.15 | 7.37              |
| 8139.00                   | 74.22         | 88.02                  | 7880.65     | 34.00                    | 498.34                      | 123.49 N                                  | 494.52 E  | 509.71@                           | 75.98 | 5.67              |
| 8170.00                   | 76.33         | 88.38                  | 7888.53     | 31.00                    | 528.32                      | 124.44 N                                  | 524.49 E  | 539.05@                           | 76.65 | 6.90              |
| 8200.00                   | 78.35         | 88.58                  | 7895.11     | 30.00                    | 557.59                      | 125.21 N                                  | 553.74 E  | 567.72@                           | 77.26 | 6.77              |
| 8233.00                   | 81.16         | 88.51                  | 7900.97     | 33.00                    | 590.06                      | 126.04 N                                  | 586.21 E  | 599.60@                           | 77.87 | 8.52              |
| 8265.00                   | 83.27         | 88.50                  | 7905.31     | 32.00                    | 621.76                      | 126.86 N                                  | 617.90 E  | 630.79@                           | 78.40 | 6.59              |
| 8294.00                   | 85.21         | 88.06                  | 7908.22     | 29.00                    | 650.62                      | 127.73 N                                  | 646.74 E  | 659.23@                           | 78.83 | 6.86              |
| 8328.00                   | 87.76         | 87.18                  | 7910.30     | 34.00                    | 684.55                      | 129.14 N                                  | 680.64 E  | 692.78@                           | 79.26 | 7.93              |
| 8359.00                   | 88.99         | 87.36                  | 7911.18     | 31.00                    | 715.53                      | 130.62 N                                  | 711.59 E  | 723.48@                           | 79.60 | 4.01              |
| 8391.00                   | 88.90         | 87.26                  | 7911.77     | 32.00                    | 747.52                      | 132.12 N                                  | 743.55 E  | 755.20@                           | 79.92 | 0.42              |
| 8454.00                   | 89.25         | 87.46                  | 7912.79     | 63.00                    | 810.51                      | 135.02 N                                  | 806.48 E  | 817.70@                           | 80.50 | 0.64              |
| 8483.00                   | 89.25         | 87.45                  | 7913.17     | 29.00                    | 839.51                      | 136.31 N                                  | 835.45 E  | 846.49@                           | 80.73 | 0.03              |
| 8578.00                   | 89.43         | 86.72                  | 7914.26     | 95.00                    | 934.48                      | 141.14 N                                  | 930.32 E  | 940.96@                           | 81.37 | 0.79              |
| 8672.00                   | 88.55         | 86.83                  | 7915.92     | 94.00                    | 1028.44                     | 146.42 N                                  | 1024.15 E | 1034.57@                          | 81.86 | 0.94              |
| 8767.00                   | 89.16         | 86.47                  | 7917.82     | 95.00                    | 1123.39                     | 151.97 N                                  | 1118.97 E | 1129.24@                          | 82.27 | 0.75              |
| 8801.00                   | 90.40         | 86.11                  | 7917.95     | 34.00                    | 1157.37                     | 154.17 N                                  | 1152.90 E | 1163.16@                          | 82.38 | 3.80              |
| 8862.00                   | 89.78         | 86.29                  | 7917.85     | 61.00                    | 1218.34                     | 158.22 N                                  | 1213.76 E | 1224.03@                          | 82.57 | 1.06              |
| 8956.00                   | 88.81         | 87.61                  | 7919.01     | 94.00                    | 1312.31                     | 163.22 N                                  | 1307.62 E | 1317.77@                          | 82.89 | 1.74              |
| 9051.00                   | 88.99         | 88.23                  | 7920.83     | 95.00                    | 1407.29                     | 166.67 N                                  | 1402.54 E | 1412.41@                          | 83.22 | 0.68              |
| 9146.00                   | 89.16         | 88.29                  | 7922.37     | 95.00                    | 1502.28                     | 169.55 N                                  | 1497.48 E | 1507.05@                          | 83.54 | 0.19              |
| 9240.00                   | 89.43         | 88.76                  | 7923.52     | 94.00                    | 1596.27                     | 171.97 N                                  | 1591.44 E | 1600.71@                          | 83.83 | 0.58              |
| 9335.00                   | 90.04         | 89.90                  | 7923.96     | 95.00                    | 1691.24                     | 173.08 N                                  | 1686.43 E | 1695.29@                          | 84.14 | 1.36              |
| 9430.00                   | 91.28         | 90.79                  | 7922.87     | 95.00                    | 1786.16                     | 172.51 N                                  | 1781.42 E | 1789.76@                          | 84.47 | 1.61              |
| 9524.00                   | 90.57         | 90.63                  | 7921.35     | 94.00                    | 1880.05                     | 171.34 N                                  | 1875.40 E | 1883.21@                          | 84.78 | 0.77              |
| 9619.00                   | 89.87         | 91.03                  | 7920.99     | 95.00                    | 1974.94                     | 169.97 N                                  | 1970.39 E | 1977.71@                          | 85.07 | 0.85              |
| 9713.00                   | 90.22         | 91.14                  | 7920.91     | 94.00                    | 2068.82                     | 168.19 N                                  | 2064.37 E | 2071.21@                          | 85.34 | 0.39              |
| 9808.00                   | 89.43         | 90.90                  | 7921.20     | 95.00                    | 2163.69                     | 166.50 N                                  | 2159.36 E | 2165.77@                          | 85.59 | 0.87              |
| 9903.00                   | 88.64         | 91.00                  | 7922.80     | 95.00                    | 2258.56                     | 164.92 N                                  | 2254.33 E | 2260.36@                          | 85.82 | 0.84              |

# PathFinder Energy Services, Inc.

## Survey Report

DEVON ENERGY CORPORATION  
DIAMOND PWU 22 #1H  
EDDY COUNTY, NM  
RIG:H&P 300

Page 03/03

| Measured<br>Depth<br>(ft)                  | Incl<br>(deg) | Drift<br>Dir.<br>(deg) | TVD<br>(ft) | Course<br>Length<br>(ft) | Vertical<br>Section<br>(ft) | TOTAL<br>Rectangular Offsets<br>(ft) (ft) |           | Closure<br>Dist Dir<br>(ft) (deg) |       | DLS<br>(dg/100ft) |
|--------------------------------------------|---------------|------------------------|-------------|--------------------------|-----------------------------|-------------------------------------------|-----------|-----------------------------------|-------|-------------------|
| 9997.00                                    | 87.67         | 90.57                  | 7925.83     | 94.00                    | 2352.41                     | 163.63 N                                  | 2348.27 E | 2353.97@                          | 86.01 | 1.13              |
| 10092.00                                   | 88.11         | 90.60                  | 7929.33     | 95.00                    | 2447.25                     | 162.66 N                                  | 2443.20 E | 2448.61@                          | 86.19 | 0.46              |
| 10186.00                                   | 88.81         | 90.71                  | 7931.85     | 94.00                    | 2541.12                     | 161.59 N                                  | 2537.16 E | 2542.30@                          | 86.36 | 0.75              |
| 10281.00                                   | 88.37         | 91.29                  | 7934.19     | 95.00                    | 2635.97                     | 159.93 N                                  | 2632.12 E | 2636.97@                          | 86.52 | 0.77              |
| 10375.00                                   | 87.58         | 91.04                  | 7937.51     | 94.00                    | 2729.78                     | 158.02 N                                  | 2726.04 E | 2730.62@                          | 86.68 | 0.88              |
| 10470.00                                   | 87.85         | 91.60                  | 7941.30     | 95.00                    | 2824.55                     | 155.84 N                                  | 2820.94 E | 2825.24@                          | 86.84 | 0.65              |
| 10564.00                                   | 88.37         | 90.20                  | 7944.40     | 94.00                    | 2918.39                     | 154.36 N                                  | 2914.87 E | 2918.96@                          | 86.97 | 1.59              |
| 10659.00                                   | 88.02         | 90.79                  | 7947.39     | 95.00                    | 3013.26                     | 153.54 N                                  | 3009.82 E | 3013.74@                          | 87.08 | 0.72              |
| 10753.00                                   | 88.02         | 89.52                  | 7950.64     | 94.00                    | 3107.14                     | 153.29 N                                  | 3103.76 E | 3107.55@                          | 87.17 | 1.35              |
| 10848.00                                   | 88.64         | 89.23                  | 7953.41     | 95.00                    | 3202.07                     | 154.32 N                                  | 3198.72 E | 3202.44@                          | 87.24 | 0.72              |
| 10943.00                                   | 87.49         | 89.10                  | 7956.62     | 95.00                    | 3297.00                     | 155.71 N                                  | 3293.65 E | 3297.33@                          | 87.29 | 1.22              |
| 11037.00                                   | 87.93         | 89.52                  | 7960.37     | 94.00                    | 3390.91                     | 156.84 N                                  | 3387.57 E | 3391.20@                          | 87.35 | 0.65              |
| 11131.00                                   | 87.93         | 90.44                  | 7963.77     | 94.00                    | 3484.79                     | 156.87 N                                  | 3481.51 E | 3485.04@                          | 87.42 | 0.98              |
| 11226.00                                   | 89.08         | 90.53                  | 7966.25     | 95.00                    | 3579.68                     | 156.07 N                                  | 3576.47 E | 3579.87@                          | 87.50 | 1.21              |
| 11320.00                                   | 88.64         | 90.88                  | 7968.12     | 94.00                    | 3673.56                     | 154.91 N                                  | 3670.44 E | 3673.71@                          | 87.58 | 0.60              |
| 11415.00                                   | 88.55         | 91.19                  | 7970.45     | 95.00                    | 3768.41                     | 153.19 N                                  | 3765.40 E | 3768.51@                          | 87.67 | 0.34              |
| 11510.00                                   | 88.37         | 91.98                  | 7973.00     | 95.00                    | 3863.20                     | 150.57 N                                  | 3860.33 E | 3863.26@                          | 87.77 | 0.85              |
| 11604.00                                   | 88.02         | 92.56                  | 7975.96     | 94.00                    | 3956.90                     | 146.85 N                                  | 3954.21 E | 3956.93@                          | 87.87 | 0.72              |
| 11699.00                                   | 88.90         | 91.55                  | 7978.51     | 95.00                    | 4051.64                     | 143.44 N                                  | 4049.11 E | 4051.65@                          | 87.97 | 1.41              |
| 11793.00                                   | 88.55         | 91.56                  | 7980.60     | 94.00                    | 4145.44                     | 140.89 N                                  | 4143.05 E | 4145.44@                          | 88.05 | 0.37              |
| 11888.00                                   | 88.72         | 91.18                  | 7982.87     | 95.00                    | 4240.26                     | 138.62 N                                  | 4238.00 E | 4240.26@                          | 88.13 | 0.44              |
| 11983.00                                   | 88.64         | 89.83                  | 7985.06     | 95.00                    | 4335.15                     | 137.78 N                                  | 4332.96 E | 4335.15@                          | 88.18 | 1.42              |
| 12078.00                                   | 88.46         | 90.30                  | 7987.46     | 95.00                    | 4430.06                     | 137.68 N                                  | 4427.93 E | 4430.07@                          | 88.22 | 0.53              |
| 12172.00                                   | 87.93         | 90.33                  | 7990.42     | 94.00                    | 4523.95                     | 137.16 N                                  | 4521.89 E | 4523.97@                          | 88.26 | 0.56              |
| STRAIGHT LINE PROJECTION TO BIT @12262' MD |               |                        |             |                          |                             |                                           |           |                                   |       |                   |
| 12262.00                                   | 88.93         | 90.33                  | 7992.89     | 90.00                    | 4613.84                     | 136.64 N                                  | 4611.85 E | 4613.87@                          | 88.30 | 1.11              |



A Schlumberger Company

## TIE-IN SURVEY INFORMATION SHEET

### CLIENT INFORMATION

|                           |                                 |            |     |
|---------------------------|---------------------------------|------------|-----|
| CLIENT:                   | DEVON ENERGY PRODUCTION COMPANY |            |     |
| LEASE / WELL No.:         | DIAMOND PWU 22                  | #1H        |     |
| WELL LOCATION:            | EDDY COUNTY                     |            |     |
| COUNTY / STATE / COUNTRY: | EDDY                            | NEW MEXICO | USA |
| RIG:                      | H&P 300                         |            |     |
| API WELL No:              | 30-015-38334                    |            |     |
| JOB No:                   | 700002086-WT-WT                 |            |     |
| P.O. / AFE No.            |                                 |            |     |
| DIRECTIONAL COMPANY:      | PATHFINDER ENERGY SERVICES      |            |     |

### WELL SITE INFORMATION

|                                  |                                                                                                        |                 |                   |
|----------------------------------|--------------------------------------------------------------------------------------------------------|-----------------|-------------------|
| TOTAL MAGNETIC CORRECTION (TMC): |                                                                                                        |                 |                   |
| On Wall Plat:                    | 7.73                                                                                                   | LWD Calculated: | 7.73              |
|                                  |                                                                                                        | Agreed Upon:    | 7.73              |
| X =                              | 622345.520000                                                                                          | Feet            | Y = 601012.090000 |
|                                  |                                                                                                        |                 | Feet              |
| SITE LATITUDE:                   | 32° 39' 7.033" N                                                                                       | SITE LONGITUDE: | 104° 4' 12.461" W |
| GRID SYSTEM:                     | TRUE <input type="checkbox"/> UTM <input checked="" type="checkbox"/> LAMBERT <input type="checkbox"/> | ZONE:           |                   |
| PROPOSED DRIFT DIRECTION:        | 88.01                                                                                                  |                 |                   |
| KELLY BUSHING ELEVATION:         | 25                                                                                                     |                 |                   |
| ALTITUDE:                        | 3356.2                                                                                                 | Feet            | WATER DEPTH:      |
|                                  |                                                                                                        |                 | 3331.2            |
|                                  |                                                                                                        |                 | Feet              |

### TIE-IN SURVEY

|                                    |                                                                     |                                        |                                                         |
|------------------------------------|---------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------|
| MEASURED DEPTH:                    | 7248                                                                |                                        |                                                         |
| DRIFT ANGLE:                       | 1.26                                                                |                                        |                                                         |
| DRIFT DIRECTION:                   | 159.91                                                              |                                        |                                                         |
| TRUE VERTICAL DEPTH:               | 7245.78                                                             |                                        |                                                         |
| VERTICAL SECTION:                  | -42.66                                                              |                                        |                                                         |
| RECTANGULAR COORDINATE ( N / S ) : | 109.75                                                              |                                        |                                                         |
| RECTANGULAR COORDINATE ( E / W ) : | -46.36                                                              |                                        |                                                         |
| CLOSURE DISTANCE / DIRECTION:      | 119.14                                                              | x337.10                                |                                                         |
| SURVEY CALCULATION METHOD:         | AA <input type="checkbox"/>                                         | MC <input checked="" type="checkbox"/> | RC <input type="checkbox"/> BT <input type="checkbox"/> |
| SOURCE OF TIE-IN DATA ( COMPANY ): | SCIENTIFIC DRILLING                                                 |                                        |                                                         |
| COPY OF TIE-IN SURVEY REPORT       | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |                                        |                                                         |

### WELL PLAN

|                |       |              |        |
|----------------|-------|--------------|--------|
| KICKOFF DEPTH: | 7357' | TOTAL DEPTH: | 12262' |
| KICKOFF ANGLE: | 10.0° | MAX ANGLE:   | 92°    |

PES Engineers: JOSH SNEED  
ADAM HORBACZEWSKI

\*\*Signature of both field engineers required if applicable

Directional Driller: KEVIN JEZEK

DATE: 11-Apr-2011

Pathfinder

6213 W Interstate 20  
Midland, Texas 79706  
Tel 432 687 1647  
Fax 432 687 1544



April 15, 2011

Devon Energy  
20 N. Broadway  
Oklahoma City, OK

**HOBBS OCD**

**AUG 29 2011**

RE: Devon Energy  
Diamond PWU 22 #1H  
API: 30-015-38334  
Eddy County, NM  
RIG: H & P 300  
FIELD: Turkey Track; Bone Spring  
PES FILE NO.: 700002086-WT-WT

**RECEIVED**

To whom it may concern:

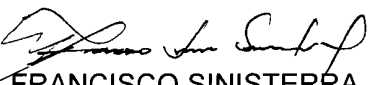
We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was run.

**DIRECTIONAL SURVEY DATA**

- 1 – Original survey report
- 2 – Survey report copies

We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (432) 687-1647

Sincerely,



FRANCISCO SINISTERRA  
M/LWD Service Coordinator  
PathFinder Energy Services

ML:sh