



# 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

30-015-39436

Occidental Permian Ltd.  
5 Greenway Plaza Suite 110  
Houston Tx 77046

Date: August 16, 2012

Attention: Bradley Brown

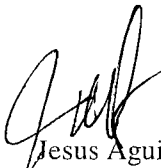
Re: Occidental Permian Ltd  
Well: Federal 23 #7H  
Eddy County, New Mexico



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:

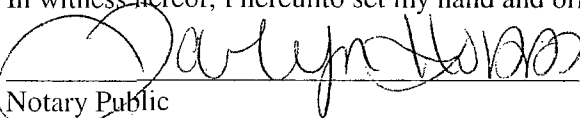
| Name & Title<br>Of Surveyor | Well<br>Number | Surveyed<br>Depths | Dates<br>Performed | Type of<br>Survey |
|-----------------------------|----------------|--------------------|--------------------|-------------------|
| Dave Latch                  | 7              | 922' MD            | 7/18/2012          | Measurement       |
| MWD Supervisor              |                | 12185' MD          | 8/16/2012          | While Drilling    |

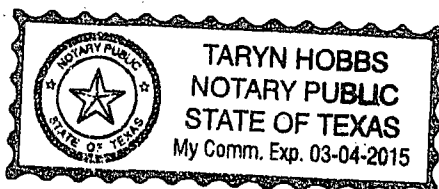
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

  
Jesus Aguilar  
MWD Coordinator

On this, the 17<sup>th</sup> day of August, 2012, 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

| <b>Company:</b> Occidental Permian Ltd.<br><b>Field:</b> Eddy Co. NM (Nad 27)<br><b>Site:</b> Federal 23 7H<br><b>Well:</b> 7H<br><b>Wellpath:</b> 1                                                                                                                                                                                                                                                                            |             | <b>Date:</b> 8/16/2012<br><b>Co-ordinate(N/E) Reference:</b> Well: 7H Grd North<br><b>Vertical (TVD) Reference:</b> SITE 3592.3<br><b>Section (VS) Reference:</b> Well (0.00N 0.00E 0.97Azi)<br><b>Survey Calculation Method:</b> Minimum Curvature<br><b>Db:</b> Sybase |           | <b>Time:</b> 07:02:21<br><b>Page:</b> 1 |           |                  |          |            |            |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------|-----------|------------------|----------|------------|------------|---------------|
| <b>Survey:</b> Wft Svy<br><b>Company:</b> Weatherford International Ltd.<br><b>Tool:</b> MWD;MWD - Standard                                                                                                                                                                                                                                                                                                                     |             | <b>Start Date:</b> 7/23/2012<br><b>Engineer:</b> Patrick Rudolph<br><b>Tied-to:</b> User Defined                                                                                                                                                                         |           |                                         |           |                  |          |            |            |               |
| <b>Field:</b> Eddy Co, NM (Nad 27)<br><br><b>Map System:</b> US State Plane Coordinate System 1927<br><b>Geo Datum:</b> NAD27 (Clarke 1866)<br><b>Sys Datum:</b> Mean Sea Level                                                                                                                                                                                                                                                 |             |                                                                                                                                                                                                                                                                          |           |                                         |           |                  |          |            |            |               |
| <b>Map Zone:</b> New Mexico, Eastern Zone<br><b>Coordinate System:</b> Well Centre<br><b>Geomagnetic Model:</b> IGRF2010                                                                                                                                                                                                                                                                                                        |             |                                                                                                                                                                                                                                                                          |           |                                         |           |                  |          |            |            |               |
| <b>Site:</b> Federal 23 7H<br><br><b>Site Position:</b><br><b>From:</b> Map<br><b>Position Uncertainty:</b> 0.00 ft<br><b>Ground Level:</b> 3567.80 ft                                                                                                                                                                                                                                                                          |             |                                                                                                                                                                                                                                                                          |           |                                         |           |                  |          |            |            |               |
| <b>Northing:</b> 498079.10 ft<br><b>Easting:</b> 680003.10 ft<br><b>Latitude:</b> 32 22 4.753 N<br><b>Longitude:</b> 103 45 1.196 W<br><b>North Reference:</b> Grid<br><b>Grid Convergence:</b> 0.31 deg                                                                                                                                                                                                                        |             |                                                                                                                                                                                                                                                                          |           |                                         |           |                  |          |            |            |               |
| <b>Well:</b> 7H<br><b>Slot Name:</b>                                                                                                                                                                                                                                                                                                                                                                                            |             |                                                                                                                                                                                                                                                                          |           |                                         |           |                  |          |            |            |               |
| <b>Well Position:</b> +N/-S 0.00 ft<br><b>Position Uncertainty:</b> 0.00 ft<br><b>Northing:</b> 498079.10 ft<br><b>Easting:</b> 680003.10 ft<br><b>Latitude:</b> 32 22 4.753 N<br><b>Longitude:</b> 103 45 1.196 W                                                                                                                                                                                                              |             |                                                                                                                                                                                                                                                                          |           |                                         |           |                  |          |            |            |               |
| <b>Wellpath:</b> 1<br><b>Current Datum:</b> SITE<br><b>Magnetic Data:</b> 8/1/2012<br><b>Field Strength:</b> 48596 nT<br><b>Vertical Section:</b> Depth From (TVD) ft<br><b>Height:</b> 3592.30 ft<br><b>Drilled From:</b> Surface<br><b>Tie-on Depth:</b> 0.00 ft<br><b>Above System Datum:</b> Mean Sea Level<br><b>Declination:</b> 7.54 deg<br><b>Mag Dip Angle:</b> 60.26 deg<br><b>+E/-W:</b> ft<br><b>Direction:</b> deg |             |                                                                                                                                                                                                                                                                          |           |                                         |           |                  |          |            |            |               |
| 0.00      0.00      0.00      0.97                                                                                                                                                                                                                                                                                                                                                                                              |             |                                                                                                                                                                                                                                                                          |           |                                         |           |                  |          |            |            |               |
| <b>Survey</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |             |                                                                                                                                                                                                                                                                          |           |                                         |           |                  |          |            |            |               |
| 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       |
| 842.88                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.01        | 181.25                                                                                                                                                                                                                                                                   | 842.09    | -27.29                                  | -3.44     | 0.00             | -27.34   | 498051.81  | 679999.66  | Tie on Gyro   |
| 890.00                                                                                                                                                                                                                                                                                                                                                                                                                          | 4.83        | 181.71                                                                                                                                                                                                                                                                   | 889.04    | -31.33                                  | -3.54     | 0.39             | -31.39   | 498047.77  | 679999.56  | Csg           |
| 922.00                                                                                                                                                                                                                                                                                                                                                                                                                          | 4.71        | 182.05                                                                                                                                                                                                                                                                   | 920.93    | -33.99                                  | -3.63     | 0.39             | -34.05   | 498045.11  | 679999.47  | First Wft Svy |
| 984.00                                                                                                                                                                                                                                                                                                                                                                                                                          | 4.40        | 180.88                                                                                                                                                                                                                                                                   | 982.73    | -38.91                                  | -3.76     | 0.52             | -38.97   | 498040.19  | 679999.34  |               |
| 1078.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.44        | 183.74                                                                                                                                                                                                                                                                   | 1076.60   | -43.70                                  | -3.89     | 3.15             | -43.76   | 498035.40  | 679999.21  |               |
| 1172.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.07        | 235.12                                                                                                                                                                                                                                                                   | 1170.59   | -44.91                                  | -4.02     | 1.49             | -44.97   | 498034.19  | 679999.08  |               |
| 1267.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.72        | 6.38                                                                                                                                                                                                                                                                     | 1265.59   | -44.35                                  | -4.00     | 0.81             | -44.41   | 498034.75  | 679999.10  |               |
| 1361.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.70        | 351.95                                                                                                                                                                                                                                                                   | 1359.58   | -43.19                                  | -4.01     | 0.19             | -43.25   | 498035.91  | 679999.09  |               |
| 1456.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.71        | 353.67                                                                                                                                                                                                                                                                   | 1454.57   | -42.03                                  | -4.16     | 0.02             | -42.10   | 498037.07  | 679998.94  |               |
| 1551.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.75        | 356.43                                                                                                                                                                                                                                                                   | 1549.57   | -40.83                                  | -4.26     | 0.06             | -40.89   | 498038.27  | 679998.84  |               |
| 1645.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.69        | 348.13                                                                                                                                                                                                                                                                   | 1643.56   | -39.66                                  | -4.42     | 0.13             | -39.73   | 498039.44  | 679998.68  |               |
| 1740.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.73        | 355.63                                                                                                                                                                                                                                                                   | 1738.55   | -38.50                                  | -4.58     | 0.11             | -38.57   | 498040.60  | 679998.52  |               |
| 1834.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.72        | 354.45                                                                                                                                                                                                                                                                   | 1832.54   | -37.31                                  | -4.68     | 0.02             | -37.39   | 498041.79  | 679998.42  |               |
| 1929.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.69        | 353.32                                                                                                                                                                                                                                                                   | 1927.54   | -36.15                                  | -4.81     | 0.03             | -36.23   | 498042.95  | 679998.29  |               |
| 2024.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.59        | 341.24                                                                                                                                                                                                                                                                   | 2022.53   | -35.12                                  | -5.03     | 0.18             | -35.20   | 498043.98  | 679998.07  |               |
| 2118.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.58        | 339.36                                                                                                                                                                                                                                                                   | 2116.53   | -34.21                                  | -5.35     | 0.02             | -34.30   | 498044.89  | 679997.75  |               |
| 2213.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.53        | 347.06                                                                                                                                                                                                                                                                   | 2211.52   | -33.34                                  | -5.62     | 0.09             | -33.43   | 498045.76  | 679997.48  |               |
| 2308.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.51        | 343.18                                                                                                                                                                                                                                                                   | 2306.52   | -32.50                                  | -5.84     | 0.04             | -32.60   | 498046.60  | 679997.26  |               |
| 2403.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.76        | 345.33                                                                                                                                                                                                                                                                   | 2401.51   | -31.49                                  | -6.12     | 0.26             | -31.59   | 498047.61  | 679996.98  |               |
| 2497.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.84        | 332.74                                                                                                                                                                                                                                                                   | 2495.50   | -30.27                                  | -6.60     | 0.20             | -30.38   | 498048.83  | 679996.50  |               |
| 2592.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.31        | 345.09                                                                                                                                                                                                                                                                   | 2590.49   | -28.61                                  | -7.20     | 0.55             | -28.72   | 498050.49  | 679995.90  |               |
| 2687.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.56        | 350.28                                                                                                                                                                                                                                                                   | 2685.46   | -26.28                                  | -7.69     | 0.30             | -26.41   | 498052.82  | 679995.41  |               |
| 2782.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.04        | 353.44                                                                                                                                                                                                                                                                   | 2780.43   | -24.15                                  | -8.01     | 0.55             | -24.28   | 498054.95  | 679995.09  |               |
| 2877.00                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.09        | 357.01                                                                                                                                                                                                                                                                   | 2875.41   | -22.39                                  | -8.16     | 0.09             | -22.53   | 498056.71  | 679994.94  |               |



# Weatherford International Ltd.

## WFT Survey Report X & Y's



Weatherford

|           |                         |                            |                            |       |          |       |        |
|-----------|-------------------------|----------------------------|----------------------------|-------|----------|-------|--------|
| Company:  | Occidental Permian Ltd. | Date:                      | 8/16/2012                  | Time: | 07:02:21 | Page: | 2      |
| Field:    | Eddy Co. NM (Nad:27)    | Co-ordinate(NE) Reference: | Well: 7H, Grd North        |       |          |       |        |
| Site:     | Federal 23.7H           | Vertical (TVD) Reference:  | SITE 3592.3                |       |          |       |        |
| Well:     | 7H                      | Section (NS) Reference:    | Well (0.00N 0.00E 0.97Azi) |       |          |       |        |
| Wellpath: |                         | Survey Calculation Method: | Minimum Curvature          |       |          | Db:   | Sybase |

### Survey

| MD      | Incl  | Azim   | TVD     | N/S    | E/W   | DLS       | VS     | MapN      | MapE      | Comment |
|---------|-------|--------|---------|--------|-------|-----------|--------|-----------|-----------|---------|
| ft      | deg   | deg    | ft      | ft     | ft    | deg/100ft | ft     | ft        | ft        |         |
| 2972.00 | 1.04  | 351.25 | 2970.40 | -20.64 | -8.34 | 0.12      | -20.77 | 498058.46 | 679994.76 |         |
| 3065.00 | 1.19  | 352.56 | 3063.38 | -18.85 | -8.59 | 0.16      | -18.99 | 498060.25 | 679994.51 |         |
| 3160.00 | 1.05  | 9.07   | 3158.36 | -17.01 | -8.58 | 0.37      | -17.15 | 498062.09 | 679994.52 |         |
| 3255.00 | 1.02  | 20.28  | 3253.35 | -15.36 | -8.15 | 0.22      | -15.49 | 498063.74 | 679994.95 |         |
| 3349.00 | 0.92  | 15.64  | 3347.33 | -13.84 | -7.66 | 0.14      | -13.97 | 498065.26 | 679995.44 |         |
| 3444.00 | 1.22  | 11.18  | 3442.32 | -12.12 | -7.25 | 0.33      | -12.24 | 498066.98 | 679995.85 |         |
| 3539.00 | 1.40  | 36.73  | 3537.29 | -10.19 | -6.36 | 0.64      | -10.30 | 498068.91 | 679996.74 |         |
| 3634.00 | 1.58  | 62.96  | 3632.26 | -8.67  | -4.50 | 0.74      | -8.74  | 498070.43 | 679998.60 |         |
| 3728.00 | 1.88  | 86.95  | 3726.22 | -8.00  | -1.81 | 0.83      | -8.03  | 498071.10 | 680001.29 |         |
| 3823.00 | 1.34  | 78.97  | 3821.18 | -7.70  | 0.84  | 0.61      | -7.69  | 498071.40 | 680003.94 |         |
| 3918.00 | 0.95  | 50.96  | 3916.16 | -6.99  | 2.54  | 0.71      | -6.95  | 498072.11 | 680005.64 |         |
| 4012.00 | 1.22  | 37.65  | 4010.15 | -5.71  | 3.76  | 0.39      | -5.65  | 498073.39 | 680006.86 |         |
| 4106.00 | 0.98  | 43.14  | 4104.13 | -4.33  | 4.92  | 0.28      | -4.25  | 498074.77 | 680008.02 |         |
| 4201.00 | 1.07  | 66.90  | 4199.11 | -3.39  | 6.29  | 0.45      | -3.28  | 498075.71 | 680009.39 |         |
| 4296.00 | 1.05  | 68.59  | 4294.10 | -2.73  | 7.91  | 0.04      | -2.59  | 498076.37 | 680011.01 |         |
| 4383.00 | 0.85  | 68.69  | 4381.09 | -2.20  | 9.26  | 0.23      | -2.04  | 498076.90 | 680012.36 |         |
| 4460.00 | 0.94  | 61.29  | 4458.08 | -1.69  | 10.35 | 0.19      | -1.51  | 498077.41 | 680013.45 | Csg     |
| 4481.00 | 0.97  | 59.53  | 4479.07 | -1.52  | 10.65 | 0.19      | -1.34  | 498077.58 | 680013.75 |         |
| 4513.00 | 0.94  | 62.50  | 4511.07 | -1.26  | 11.12 | 0.18      | -1.07  | 498077.84 | 680014.22 |         |
| 4607.00 | 1.16  | 14.04  | 4605.06 | 0.02   | 12.03 | 0.94      | 0.23   | 498079.12 | 680015.13 |         |
| 4702.00 | 0.82  | 313.64 | 4700.04 | 1.42   | 11.77 | 1.09      | 1.62   | 498080.52 | 680014.87 |         |
| 4797.00 | 0.88  | 305.63 | 4795.03 | 2.32   | 10.69 | 0.14      | 2.50   | 498081.42 | 680013.79 |         |
| 4892.00 | 0.85  | 307.91 | 4890.02 | 3.18   | 9.54  | 0.05      | 3.34   | 498082.28 | 680012.64 |         |
| 4986.00 | 0.93  | 302.67 | 4984.01 | 4.02   | 8.35  | 0.12      | 4.16   | 498083.12 | 680011.45 |         |
| 5080.00 | 0.84  | 313.19 | 5078.00 | 4.90   | 7.20  | 0.20      | 5.02   | 498084.00 | 680010.30 |         |
| 5175.00 | 0.38  | 173.62 | 5173.00 | 5.06   | 6.73  | 1.22      | 5.18   | 498084.16 | 680009.83 |         |
| 5269.00 | 0.63  | 156.04 | 5266.99 | 4.28   | 6.97  | 0.31      | 4.40   | 498083.38 | 680010.07 |         |
| 5364.00 | 0.70  | 345.84 | 5361.99 | 4.37   | 7.04  | 1.39      | 4.49   | 498083.47 | 680010.14 |         |
| 5458.00 | 0.76  | 293.36 | 5455.98 | 5.17   | 6.33  | 0.69      | 5.28   | 498084.27 | 680009.43 |         |
| 5553.00 | 0.73  | 119.39 | 5550.98 | 5.12   | 6.28  | 1.57      | 5.23   | 498084.22 | 680009.38 |         |
| 5647.00 | 0.25  | 88.44  | 5644.98 | 4.84   | 7.01  | 0.57      | 4.95   | 498083.94 | 680010.11 |         |
| 5742.00 | 0.28  | 86.02  | 5739.98 | 4.86   | 7.45  | 0.03      | 4.98   | 498083.96 | 680010.55 |         |
| 5837.00 | 0.82  | 275.78 | 5834.97 | 4.94   | 7.00  | 1.15      | 5.06   | 498084.04 | 680010.10 |         |
| 5931.00 | 0.84  | 281.25 | 5928.96 | 5.14   | 5.66  | 0.09      | 5.24   | 498084.24 | 680008.76 |         |
| 6026.00 | 0.98  | 277.72 | 6023.95 | 5.39   | 4.17  | 0.16      | 5.46   | 498084.49 | 680007.27 |         |
| 6121.00 | 0.49  | 279.34 | 6118.94 | 5.56   | 2.96  | 0.52      | 5.61   | 498084.66 | 680006.06 |         |
| 6215.00 | 0.38  | 272.65 | 6212.94 | 5.64   | 2.25  | 0.13      | 5.68   | 498084.74 | 680005.35 |         |
| 6247.00 | 0.41  | 277.86 | 6244.94 | 5.66   | 2.03  | 0.15      | 5.70   | 498084.76 | 680005.13 |         |
| 6292.00 | 0.41  | 266.23 | 6289.94 | 5.68   | 1.71  | 0.18      | 5.70   | 498084.78 | 680004.81 |         |
| 6323.00 | 1.40  | 357.82 | 6320.94 | 6.05   | 1.59  | 4.74      | 6.07   | 498085.15 | 680004.69 |         |
| 6355.00 | 3.92  | 359.96 | 6352.90 | 7.53   | 1.57  | 7.88      | 7.56   | 498086.63 | 680004.67 |         |
| 6387.00 | 4.24  | 2.62   | 6384.82 | 9.81   | 1.63  | 1.16      | 9.83   | 498088.91 | 680004.73 |         |
| 6418.00 | 6.96  | 3.74   | 6415.67 | 12.83  | 1.80  | 8.78      | 12.86  | 498091.93 | 680004.90 |         |
| 6450.00 | 10.75 | 4.71   | 6447.28 | 17.74  | 2.17  | 11.85     | 17.77  | 498096.84 | 680005.27 |         |
| 6481.00 | 12.55 | 4.23   | 6477.64 | 23.98  | 2.66  | 5.81      | 24.02  | 498103.08 | 680005.76 |         |
| 6512.00 | 13.79 | 3.69   | 6507.82 | 31.02  | 3.15  | 4.02      | 31.07  | 498110.12 | 680006.25 |         |
| 6543.00 | 15.73 | 3.16   | 6537.80 | 38.91  | 3.61  | 6.27      | 38.96  | 498118.01 | 680006.71 |         |
| 6575.00 | 18.04 | 2.32   | 6568.42 | 48.19  | 4.05  | 7.26      | 48.25  | 498127.29 | 680007.15 |         |
| 6606.00 | 20.32 | 2.30   | 6597.70 | 58.37  | 4.47  | 7.35      | 58.43  | 498137.47 | 680007.57 |         |
| 6638.00 | 23.81 | 1.23   | 6627.35 | 70.38  | 4.83  | 10.98     | 70.45  | 498149.48 | 680007.93 |         |
| 6670.00 | 27.38 | 0.87   | 6656.20 | 84.20  | 5.08  | 11.17     | 84.27  | 498163.30 | 680008.18 |         |
| 6701.00 | 31.28 | 1.41   | 6683.22 | 99.38  | 5.38  | 12.61     | 99.46  | 498178.48 | 680008.48 |         |



# Weatherford International Ltd.

## WFT Survey Report X & Y's



Weatherford

|           |                        |                            |                           |       |          |       |        |
|-----------|------------------------|----------------------------|---------------------------|-------|----------|-------|--------|
| Company:  | Occidental Permian Ltd | Date:                      | 8/16/2012                 | Time: | 07:02:21 | Page: | 3      |
| Field:    | Eddy Co: NM (Nad 27)   | Co-ordinate(NE) Reference: | Well: 7H Grid North       |       |          |       |        |
| Site:     | Federal 23 7H          | Vertical (TVD) Reference:  | SITE 3592.3               |       |          |       |        |
| Well:     | 7H                     | Section (VS) Reference:    | Well (0 00N 0 00E 0 97Az) |       |          |       |        |
| Wellpath: |                        | 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 |
|----------|-------------|-------------|-----------|-----------|-----------|------------------|----------|------------|------------|---------|
| 6733.00  | 34.69       | 1.57        | 6710.06   | 116.79    | 5.84      | 10.66            | 116.87   | 498195.89  | 680008.94  |         |
| 6764.00  | 38.03       | 1.73        | 6735.02   | 135.16    | 6.37      | 10.78            | 135.25   | 498214.26  | 680009.47  |         |
| 6796.00  | 40.41       | 1.84        | 6759.81   | 155.38    | 7.00      | 7.44             | 155.48   | 498234.48  | 680010.10  |         |
| 6827.00  | 43.19       | 2.05        | 6782.92   | 176.03    | 7.70      | 8.98             | 176.14   | 498255.13  | 680010.80  |         |
| 6859.00  | 46.39       | 1.61        | 6805.63   | 198.56    | 8.42      | 10.05            | 198.67   | 498277.66  | 680011.52  |         |
| 6891.00  | 49.20       | 1.62        | 6827.12   | 222.25    | 9.09      | 8.78             | 222.37   | 498301.35  | 680012.19  |         |
| 6922.00  | 51.37       | 1.52        | 6846.93   | 246.09    | 9.74      | 7.00             | 246.22   | 498325.19  | 680012.84  |         |
| 6954.00  | 53.28       | 2.33        | 6866.49   | 271.40    | 10.59     | 6.30             | 271.54   | 498350.50  | 680013.69  |         |
| 6985.00  | 55.45       | 2.48        | 6884.55   | 296.57    | 11.65     | 7.01             | 296.73   | 498375.67  | 680014.75  |         |
| 7017.00  | 57.57       | 1.75        | 6902.20   | 323.24    | 12.63     | 6.89             | 323.41   | 498402.34  | 680015.73  |         |
| 7048.00  | 59.94       | 1.81        | 6918.28   | 349.73    | 13.46     | 7.65             | 349.91   | 498428.83  | 680016.56  |         |
| 7080.00  | 62.08       | 2.22        | 6933.79   | 377.70    | 14.44     | 6.78             | 377.89   | 498456.80  | 680017.54  |         |
| 7112.00  | 64.31       | 1.83        | 6948.22   | 406.24    | 15.45     | 7.05             | 406.44   | 498485.34  | 680018.55  |         |
| 7143.00  | 66.36       | 1.00        | 6961.16   | 434.40    | 16.14     | 7.05             | 434.61   | 498513.50  | 680019.24  |         |
| 7175.00  | 68.12       | 0.40        | 6973.53   | 463.91    | 16.50     | 5.77             | 464.12   | 498543.01  | 680019.60  |         |
| 7207.00  | 69.51       | 0.03        | 6985.10   | 493.74    | 16.61     | 4.48             | 493.95   | 498572.84  | 680019.71  |         |
| 7238.00  | 71.95       | 0.28        | 6995.33   | 523.00    | 16.69     | 7.91             | 523.21   | 498602.10  | 680019.79  |         |
| 7270.00  | 74.56       | 0.18        | 7004.55   | 553.64    | 16.82     | 8.16             | 553.85   | 498632.74  | 680019.92  |         |
| 7302.00  | 77.23       | 0.08        | 7012.35   | 584.68    | 16.89     | 8.35             | 584.88   | 498663.78  | 680019.99  |         |
| 7333.00  | 80.37       | 0.20        | 7018.37   | 615.08    | 16.96     | 10.14            | 615.28   | 498694.18  | 680020.06  |         |
| 7365.00  | 83.34       | 0.42        | 7022.90   | 646.76    | 17.13     | 9.31             | 646.95   | 498725.86  | 680020.23  |         |
| 7396.00  | 85.60       | 0.52        | 7025.89   | 677.61    | 17.39     | 7.30             | 677.81   | 498756.71  | 680020.49  |         |
| 7428.00  | 86.43       | 0.97        | 7028.11   | 709.53    | 17.80     | 2.95             | 709.73   | 498788.63  | 680020.90  |         |
| 7459.00  | 87.41       | 0.89        | 7029.78   | 740.48    | 18.30     | 3.17             | 740.68   | 498819.58  | 680021.40  |         |
| 7491.00  | 88.04       | 0.71        | 7031.05   | 772.45    | 18.75     | 2.05             | 772.66   | 498851.55  | 680021.85  |         |
| 7523.00  | 88.25       | 0.89        | 7032.08   | 804.43    | 19.20     | 0.86             | 804.64   | 498883.53  | 680022.30  |         |
| 7554.00  | 89.37       | 1.15        | 7032.73   | 835.42    | 19.75     | 3.71             | 835.63   | 498914.52  | 680022.85  |         |
| 7586.00  | 90.56       | 1.34        | 7032.75   | 867.41    | 20.44     | 3.77             | 867.63   | 498946.51  | 680023.54  |         |
| 7681.00  | 94.48       | 0.40        | 7028.57   | 962.29    | 21.89     | 4.24             | 962.52   | 499041.39  | 680024.99  |         |
| 7775.00  | 92.73       | 359.40      | 7022.66   | 1056.10   | 21.72     | 2.14             | 1056.31  | 499135.20  | 680024.82  |         |
| 7870.00  | 89.93       | 358.89      | 7020.45   | 1151.05   | 20.30     | 3.00             | 1151.23  | 499230.15  | 680023.40  |         |
| 7965.00  | 90.63       | 359.27      | 7019.99   | 1246.04   | 18.78     | 0.84             | 1246.18  | 499325.14  | 680021.88  |         |
| 8059.00  | 91.05       | 359.12      | 7018.61   | 1340.02   | 17.46     | 0.47             | 1340.12  | 499419.12  | 680020.56  |         |
| 8154.00  | 89.58       | 358.83      | 7018.09   | 1435.00   | 15.76     | 1.58             | 1435.06  | 499514.10  | 680018.86  |         |
| 8249.00  | 89.93       | 358.30      | 7018.50   | 1529.97   | 13.38     | 0.67             | 1529.97  | 499609.07  | 680016.48  |         |
| 8343.00  | 90.98       | 359.58      | 7017.75   | 1623.94   | 11.64     | 1.76             | 1623.91  | 499703.04  | 680014.74  |         |
| 8437.00  | 89.37       | 0.72        | 7017.46   | 1717.94   | 11.89     | 2.10             | 1717.90  | 499797.04  | 680014.99  |         |
| 8532.00  | 89.51       | 1.22        | 7018.39   | 1812.92   | 13.49     | 0.55             | 1812.89  | 499892.02  | 680016.59  |         |
| 8627.00  | 90.00       | 1.28        | 7018.80   | 1907.90   | 15.57     | 0.52             | 1907.89  | 499987.00  | 680018.67  |         |
| 8722.00  | 90.35       | 1.15        | 7018.51   | 2002.87   | 17.58     | 0.39             | 2002.89  | 500081.97  | 680020.68  |         |
| 8816.00  | 91.26       | 1.53        | 7017.19   | 2096.84   | 19.78     | 1.05             | 2096.87  | 500175.94  | 680022.88  |         |
| 8910.00  | 91.68       | 1.34        | 7014.77   | 2190.78   | 22.13     | 0.49             | 2190.84  | 500269.88  | 680025.23  |         |
| 9004.00  | 90.42       | 2.61        | 7013.05   | 2284.70   | 25.37     | 1.90             | 2284.81  | 500363.80  | 680028.47  |         |
| 9098.00  | 89.86       | 1.66        | 7012.82   | 2378.64   | 28.87     | 1.17             | 2378.78  | 500457.74  | 680031.97  |         |
| 9193.00  | 90.49       | 2.10        | 7012.53   | 2473.58   | 31.99     | 0.81             | 2473.77  | 500552.68  | 680035.09  |         |
| 9288.00  | 90.77       | 2.35        | 7011.49   | 2568.51   | 35.68     | 0.40             | 2568.74  | 500647.61  | 680038.78  |         |
| 9382.00  | 90.21       | 2.03        | 7010.68   | 2662.43   | 39.27     | 0.69             | 2662.72  | 500741.53  | 680042.37  |         |
| 9477.00  | 90.07       | 1.44        | 7010.45   | 2757.39   | 42.15     | 0.64             | 2757.71  | 500836.49  | 680045.25  |         |
| 9571.00  | 89.65       | 1.57        | 7010.68   | 2851.36   | 44.62     | 0.47             | 2851.70  | 500930.46  | 680047.72  |         |
| 9666.00  | 90.91       | 1.52        | 7010.22   | 2946.32   | 47.18     | 1.33             | 2946.69  | 501025.42  | 680050.28  |         |
| 9761.00  | 90.42       | 1.30        | 7009.11   | 3041.28   | 49.51     | 0.57             | 3041.69  | 501120.38  | 680052.61  |         |
| 9855.00  | 91.12       | 0.89        | 7007.85   | 3135.26   | 51.31     | 0.86             | 3135.68  | 501214.36  | 680054.41  |         |
| 9950.00  | 91.26       | 0.81        | 7005.88   | 3230.23   | 52.72     | 0.17             | 3230.66  | 501309.33  | 680055.82  |         |



# Weatherford International Ltd.

## WFT Survey Report X & Y's



Weatherford

|           |                         |                             |                            |       |          |       |   |
|-----------|-------------------------|-----------------------------|----------------------------|-------|----------|-------|---|
| Company:  | Occidental Permian Ltd. | Date:                       | 8/16/2012                  | Time: | 07:02:21 | Page: | 4 |
| Field:    | Eddy Co. NM (Nad:27)    | Co-ordinate (NE) Reference: | Well: 7H Grd North         |       |          |       |   |
| Site:     | Federal 23 7H           | Vertical (TVD) Reference:   | SITE 3592'3                |       |          |       |   |
| Well:     | 7H                      | Section (VS) Reference:     | Well (0.00N:0.00E:0.97Azi) |       |          |       |   |
| Wellpath: | 1                       | 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      |
|----------|--------------|-------------|-----------|-----------|-----------|------------------|----------|------------|------------|--------------|
| 10045.00 | 90.49        | 0.95        | 7004.43   | 3325.20   | 54.18     | 0.82             | 3325.64  | 501404.30  | 680057.28  |              |
| 10140.00 | 89.86        | 0.98        | 7004.14   | 3420.19   | 55.78     | 0.66             | 3420.64  | 501499.29  | 680058.88  |              |
| 10234.00 | 89.65        | 0.72        | 7004.54   | 3514.18   | 57.17     | 0.36             | 3514.64  | 501593.28  | 680060.27  |              |
| 10329.00 | 90.35        | 0.63        | 7004.54   | 3609.17   | 58.29     | 0.74             | 3609.64  | 501688.27  | 680061.39  |              |
| 10424.00 | 91.05        | 0.77        | 7003.38   | 3704.15   | 59.45     | 0.75             | 3704.63  | 501783.25  | 680062.55  |              |
| 10519.00 | 91.05        | 0.73        | 7001.64   | 3799.13   | 60.70     | 0.04             | 3799.61  | 501878.23  | 680063.80  |              |
| 10614.00 | 90.28        | 0.78        | 7000.53   | 3894.12   | 61.95     | 0.81             | 3894.61  | 501973.22  | 680065.05  |              |
| 10708.00 | 89.93        | 2.16        | 7000.36   | 3988.08   | 64.36     | 1.51             | 3988.60  | 502067.18  | 680067.46  |              |
| 10803.00 | 88.74        | 1.95        | 7001.47   | 4083.01   | 67.77     | 1.27             | 4083.57  | 502162.11  | 680070.87  |              |
| 10898.00 | 88.60        | 2.05        | 7003.67   | 4177.93   | 71.08     | 0.18             | 4178.53  | 502257.03  | 680074.18  |              |
| 10993.00 | 88.74        | 1.79        | 7005.88   | 4272.85   | 74.26     | 0.31             | 4273.49  | 502351.95  | 680077.36  |              |
| 11087.00 | 89.23        | 1.78        | 7007.54   | 4366.79   | 77.19     | 0.52             | 4367.47  | 502445.89  | 680080.29  |              |
| 11182.00 | 88.95        | 1.46        | 7009.05   | 4461.74   | 79.87     | 0.45             | 4462.45  | 502540.84  | 680082.97  |              |
| 11277.00 | 89.09        | 1.25        | 7010.67   | 4556.70   | 82.12     | 0.27             | 4557.44  | 502635.80  | 680085.22  |              |
| 11371.00 | 88.88        | 1.59        | 7012.34   | 4650.65   | 84.45     | 0.43             | 4651.42  | 502729.75  | 680087.55  |              |
| 11466.00 | 88.46        | 1.72        | 7014.54   | 4745.59   | 87.19     | 0.46             | 4746.38  | 502824.69  | 680090.29  |              |
| 11561.00 | 89.23        | 1.72        | 7016.46   | 4840.53   | 90.04     | 0.81             | 4841.36  | 502919.63  | 680093.14  |              |
| 11655.00 | 90.07        | 1.61        | 7017.03   | 4934.48   | 92.77     | 0.90             | 4935.35  | 503013.58  | 680095.87  |              |
| 11750.00 | 89.72        | 1.61        | 7017.21   | 5029.45   | 95.44     | 0.37             | 5030.34  | 503108.55  | 680098.54  |              |
| 11845.00 | 90.00        | 1.72        | 7017.44   | 5124.41   | 98.20     | 0.32             | 5125.33  | 503203.51  | 680101.30  |              |
| 11940.00 | 91.05        | 1.66        | 7016.57   | 5219.36   | 101.01    | 1.11             | 5220.32  | 503298.46  | 680104.11  |              |
| 12034.00 | 91.96        | 1.89        | 7014.10   | 5313.28   | 103.92    | 1.00             | 5314.28  | 503392.38  | 680107.02  |              |
| 12128.00 | 92.66        | 1.67        | 7010.31   | 5407.16   | 106.83    | 0.78             | 5408.19  | 503486.26  | 680109.93  |              |
| 12185.00 | 93.29        | 1.64        | 7007.35   | 5464.06   | 108.48    | 1.11             | 5465.11  | 503543.16  | 680111.58  | Last Wft Svy |
| 12245.00 | 93.29        | 1.64        | 7003.91   | 5523.93   | 110.19    | 0.00             | 5525.01  | 503603.03  | 680113.29  | Proj. to Bit |

### Annotation

| MD<br>ft | TVD<br>ft |               |
|----------|-----------|---------------|
| 842.88   | 842.09    | Tie on Gyro   |
| 922.00   | 920.93    | First Wft Svy |
| 12185.00 | 7007.35   | Last Wft Svy  |
| 12245.00 | 7003.91   | Proj. to Bit  |



Occidental Permian Ltd.  
Federal 23 7H  
Eddy Co, NM

SECTION DETAILS

| Sec | MD       | Inc   | Azi  | TVD     | +N/-S   | +E/-W | DLeg | TFace | VSec    | Target |
|-----|----------|-------|------|---------|---------|-------|------|-------|---------|--------|
| 1   | 0.00     | 0.00  | 0.97 | 0.00    | 0.00    | 0.00  | 0.00 | 0.00  | 0.00    |        |
| 2   | 6313.82  | 0.00  | 0.97 | 6313.82 | 0.00    | 0.00  | 0.00 | 0.00  | 0.00    |        |
| 3   | 7443.72  | 90.39 | 0.97 | 7030.00 | 720.99  | 12.16 | 8.00 | 0.97  | 721.10  |        |
| 4   | 12268.32 | 90.39 | 0.97 | 6997.00 | 5544.80 | 93.50 | 0.00 | 0.00  | 5545.59 | PBHL   |

WELL DETAILS

| Name+N/-S | +E/-W | Northing  | Easting   | Latitude      | Longitude      | Slot |
|-----------|-------|-----------|-----------|---------------|----------------|------|
| 7H 0.00   | 0.00  | 498079.10 | 680003.10 | 32°22'04.753N | 103°45'01.196W | N/A  |

TARGET DETAILS

| Name | TVD     | +N/-S   | +E/-W | Northing  | Easting   | Shape              |
|------|---------|---------|-------|-----------|-----------|--------------------|
| PBHL | 6997.00 | 5544.80 | 93.50 | 503623.90 | 680096.60 | Rectangle (4824x0) |
| Tgt  | 7030.00 | 880.00  | 14.70 | 498959.10 | 680017.80 | Point              |

SITE DETAILS

Federal 23 7H

Site Centre Northing: 498079.10  
Easting: 680003.10

Ground Level: 3567.80  
Positional Uncertainty: 0.00  
Convergence: 0.31

FIELD DETAILS

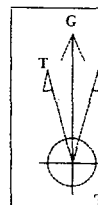
Eddy Co, NM (Nad 27)

Geodetic System: US State Plane Coordinate System 1927  
Ellipsoid: NAD27 (Clarke 1866)  
Zone: New Mexico, Eastern Zone  
Magnetic Model: IGRF2010

System Datum: Mean Sea Level  
Local North: Grid North

LEGEND

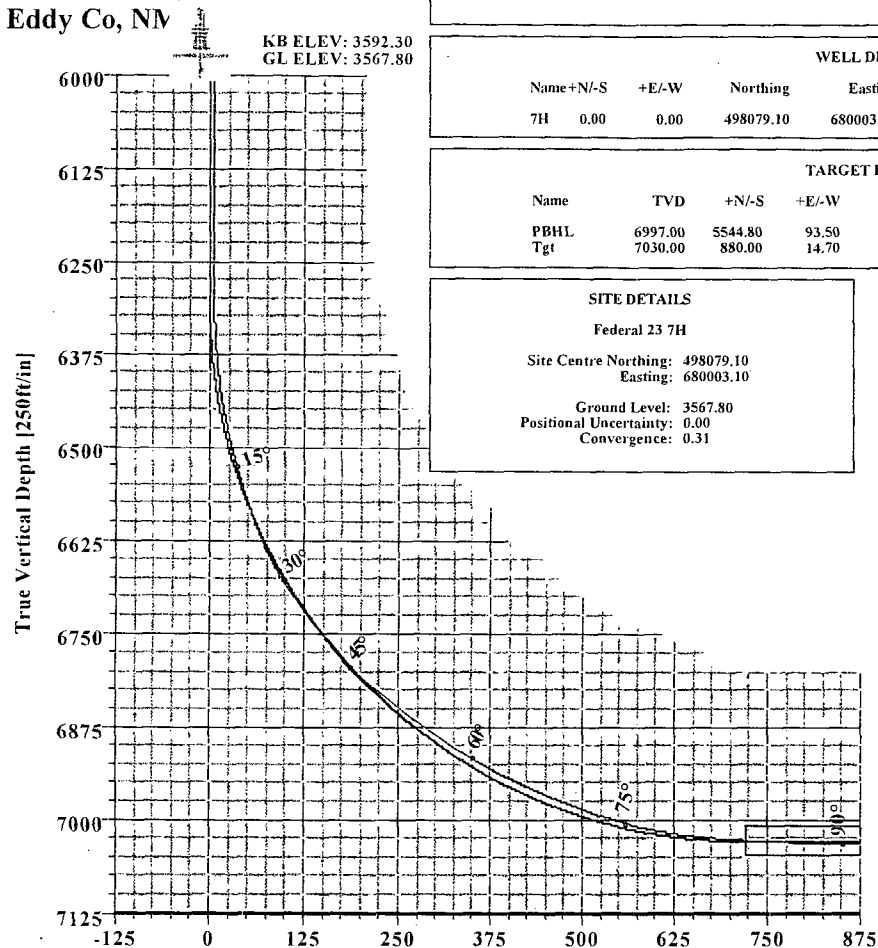
7H, I, Plan #3  
1  
Wft Svy



Azimuths to Grid North  
True North: -0.31°  
Magnetic North: 7.23°

Magnetic Field  
Strength: 48596nT  
Dip Angle: 60.26°  
Date: 8/1/2012  
Model: IGRF2010

Total Correction to Grid North: 7.23°

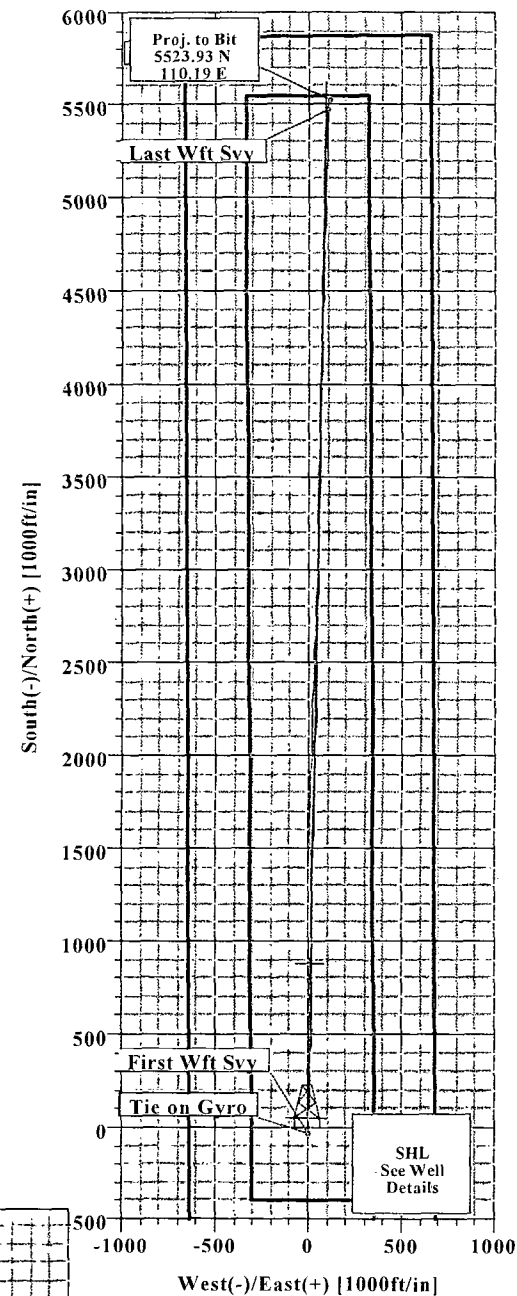


Survey: Wft Svy (7H/1)

| No  | MD       | Inc   | Az   | TVD     | +N/-S   | +E/-W  | DLeg | TFace | VSec    |
|-----|----------|-------|------|---------|---------|--------|------|-------|---------|
| 152 | 12245.00 | 93.29 | 1.64 | 7003.91 | 5523.93 | 110.19 | 0.00 | 0.00  | 5525.01 |

Target Window  
20' Up/Down

Vertical Section at 0.97° [750ft/in]



Weatherford

Survey: Wft Svy (7H/1)

Created By: Patrick Rudolph

Date: 8/16/2012

# OCCIDENTAL PERMIAN LTD.

Livingston Ridge, Delaware

Eddy County, NM

Federal 23 #7H

VH - Job #32K0712880

Survey: Gyro

## SDI Standard Survey Report

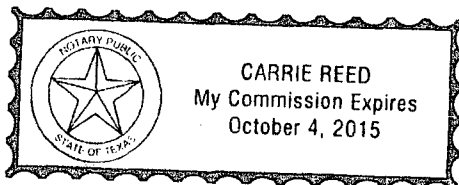
This survey is correct to the best of my knowledge and is supported by actual field data.

Richard

Notarized this date 3rd of August, 2012.

Carrie Reed

Notary Signature  
County of Midland  
State of Texas



Scientific Drilling

**Scientific Drilling International, Inc.**  
SDI Standard Survey Report



|                  |                            |                                     |                                      |
|------------------|----------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | OCCIDENTAL PERMIAN LTD.    | <b>Local Co-ordinate Reference:</b> | Well Federal 23 #7H                  |
| <b>Project:</b>  | Livingston Ridge, Delaware | <b>TVD Reference:</b>               | WELL @ 0.00usft (Original Well Elev) |
| <b>Site:</b>     | Eddy County, NM            | <b>MD Reference:</b>                | WELL @ 0.00usft (Original Well Elev) |
| <b>Well:</b>     | Federal 23 #7H             | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | VH - Job #32K0712880       | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | VH - Job #32K0712880       | <b>Database:</b>                    | EDM-Regulatory                       |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project:</b>    | Livingston Ridge, Delaware           |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | New Mexico East 3001                 |                      |                |

|                              |                 |                     |                 |                                     |
|------------------------------|-----------------|---------------------|-----------------|-------------------------------------|
| <b>Site:</b>                 | Eddy County, NM |                     |                 |                                     |
| <b>Site Position:</b>        |                 | <b>Northing:</b>    | 498,074.40 usft | <b>Latitude:</b> 32° 22' 4.800 N    |
| <b>From:</b>                 | Lat/Long        | <b>Easting:</b>     | 678,253.09 usft | <b>Longitude:</b> 103° 45' 21.600 W |
| <b>Position Uncertainty:</b> | 0.00 usft       | <b>Slot Radius:</b> | 0"              | <b>Grid Convergence:</b> 0.31 °     |

|                             |                                       |                            |                  |                                |
|-----------------------------|---------------------------------------|----------------------------|------------------|--------------------------------|
| <b>Well:</b>                | Federal 23 #7H, Directional (Unknown) |                            |                  |                                |
| <b>Well Position</b>        | +N/-S                                 | 0.00 usft                  | <b>Northing:</b> | 497,720.66 usft                |
|                             | +E/-W                                 | 0.00 usft                  | <b>Easting:</b>  | 680,107.61 usft                |
| <b>Position Uncertainty</b> | 0.00 usft                             | <b>Wellhead Elevation:</b> | usft             | <b>Ground Level:</b> 0.00 usft |

|                  |                      |
|------------------|----------------------|
| <b>Wellbore:</b> | VH - Job #32K0712880 |
|------------------|----------------------|

| Magnetics | Model Name | Sample Date | Declination<br>(°) | Dip Angle<br>(°) | Field Strength<br>(nT) |
|-----------|------------|-------------|--------------------|------------------|------------------------|
|           | IGRF2000   | 12/31/04    | 8.66               | 60.54            | 49,514                 |

|                |                      |
|----------------|----------------------|
| <b>Design:</b> | VH - Job #32K0712880 |
|----------------|----------------------|

|                          |     |                         |             |                           |
|--------------------------|-----|-------------------------|-------------|---------------------------|
| <b>Audit Notes:</b>      |     |                         |             |                           |
| <b>Version:</b>          | 1.0 | <b>Phase:</b>           | ACTUAL      | <b>Tie On Depth:</b> 0.00 |
| <b>Vertical Section:</b> |     | <b>Depth From (TVD)</b> | <b>N/-S</b> | <b>+E/-W</b>              |
|                          |     | (usft)                  | (usft)      | (usft)                    |
|                          |     | 0.00                    | 0.00        | 0.00                      |
|                          |     |                         |             | 187.18                    |

|                       |             |                             |                  |                        |  |
|-----------------------|-------------|-----------------------------|------------------|------------------------|--|
| <b>Survey Program</b> | <b>Date</b> | 08/12/12                    |                  |                        |  |
| <b>From</b>           | <b>To</b>   | <b>Survey (Wellbore)</b>    | <b>Tool Name</b> | <b>Description</b>     |  |
| (usft)                | (usft)      |                             |                  |                        |  |
| 93.34                 | 842.88      | Gyro (VH - Job #32K0712880) | Keeper           | Keeper Surface Readout |  |

| Measured Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | True Vertical<br>Depth | North/South<br>(usft) | East/West<br>(usft) | Closure Azimuth<br>(°) | Closure Distance<br>(usft) |
|--------------------------|--------------------|----------------|------------------------|-----------------------|---------------------|------------------------|----------------------------|
| 0.00                     | 0.00               | 0.00           | 0.00                   | 0.00                  | 0.00                | 0.00                   | 0.00                       |
| 93.34                    | 0.21               | 198.24         | 93.34                  | -0.16                 | -0.05               | 198.24                 | 0.17                       |
| 188.81                   | 0.48               | 220.28         | 188.81                 | -0.63                 | -0.37               | 210.07                 | 0.73                       |
| 284.28                   | 1.06               | 210.45         | 284.27                 | -1.70                 | -1.07               | 212.26                 | 2.01                       |
| 378.15                   | 1.35               | 203.63         | 378.12                 | -3.46                 | -1.96               | 209.47                 | 3.98                       |
| 472.02                   | 1.59               | 199.48         | 471.96                 | -5.70                 | -2.83               | 206.42                 | 6.37                       |
| 565.89                   | 2.08               | 192.81         | 565.78                 | -8.59                 | -3.65               | 202.99                 | 9.33                       |
| 659.76                   | 3.25               | 179.61         | 659.55                 | -12.91                | -4.01               | 197.23                 | 13.52                      |
| 752.16                   | 4.89               | 175.30         | 751.71                 | -19.46                | -3.66               | 190.67                 | 19.80                      |
| 842.88                   | 5.01               | 181.25         | 842.09                 | -27.27                | -3.43               | 187.18                 | 27.49                      |