



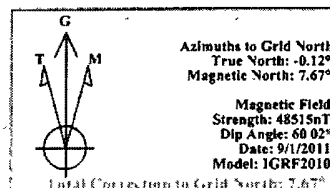
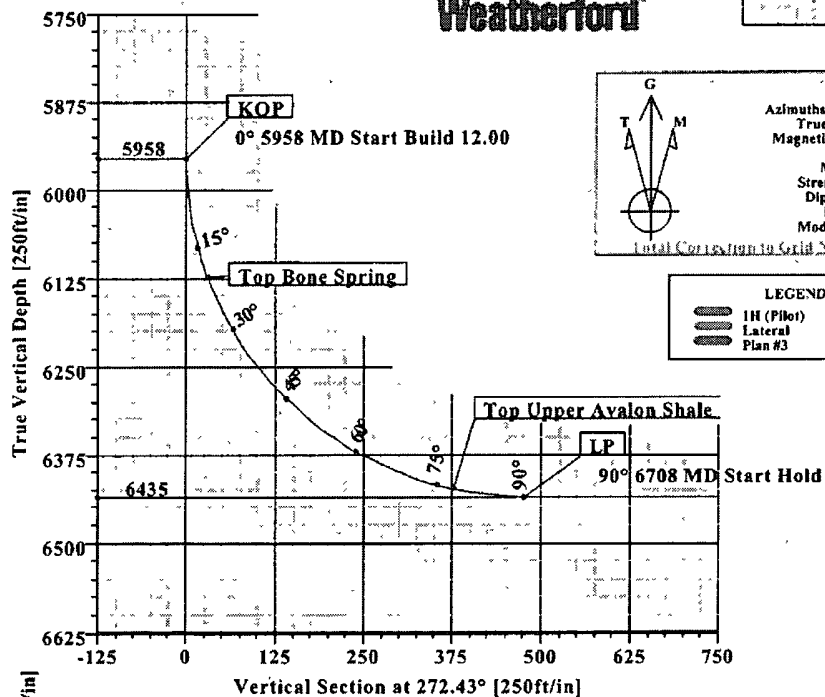
Devon 8 Fee #1H  
Eddy Co, NM

**RECEIVED**  
SEP 14 2011  
NMOCD ARTESIA

KB ELEV: 3034.3  
GL ELEV: 3009.3

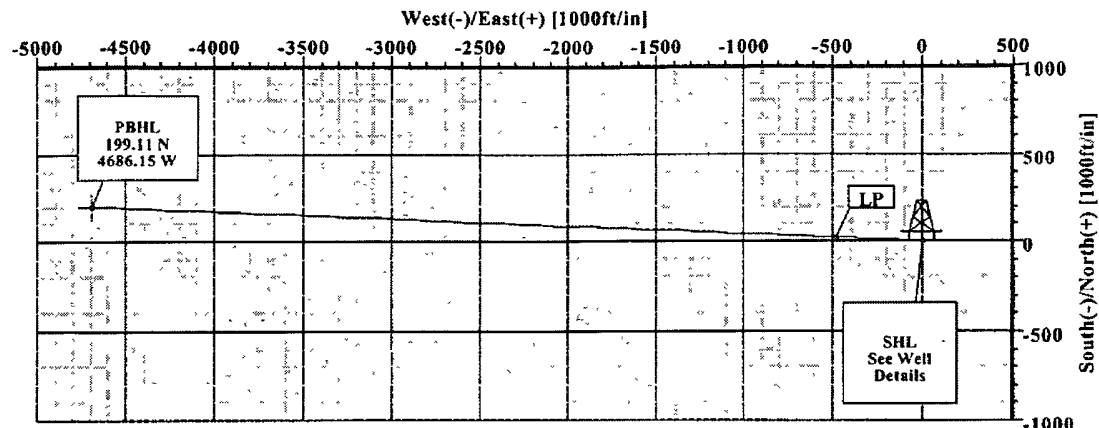


**Weatherford**



**LEGEND**

- 1H (Pilot)
- Lateral
- Plan #3



**SECTION DETAILS**

| Sec | MD       | Inc   | Azi    | TVD     | +N/-S  | +E/-W    | DLeg  | TFace  | VSee    | Target |
|-----|----------|-------|--------|---------|--------|----------|-------|--------|---------|--------|
| 1   | 0.00     | 0.00  | 272.43 | 0.00    | 0.00   | 0.00     | 0.00  | 0.00   | 0.00    |        |
| 2   | 5957.54  | 0.00  | 272.43 | 5957.54 | 0.00   | 0.00     | 0.00  | 0.00   | 0.00    |        |
| 3   | 6707.54  | 90.00 | 272.43 | 6435.00 | 20.27  | -477.03  | 12.00 | 272.43 | 477.46  | PBHL   |
| 4   | 10920.45 | 90.00 | 272.43 | 6435.00 | 199.11 | -4686.15 | 0.00  | 0.00   | 4690.38 | PBHL   |

**WELL DETAILS**

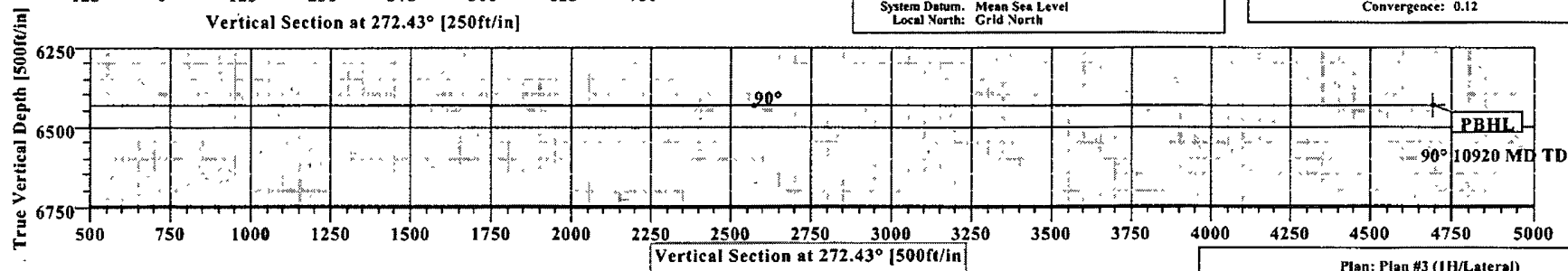
| Name+N/-S | +E/-W | Northing  | Easting   | Latitude      | Longitude      | Stat |
|-----------|-------|-----------|-----------|---------------|----------------|------|
| 1H 0.00   | 0.00  | 418024.03 | 571702.46 | 32°08'56.590N | 104°06'05.961W | N/A  |

**TARGET DETAILS**

| Name | TVD     | +N/-S  | +E/-W    | Northing  | Easting   | Shape |
|------|---------|--------|----------|-----------|-----------|-------|
| PBHL | 6435.00 | 199.11 | -4686.15 | 418223.14 | 567016.31 | Point |

**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

**SITE DETAILS**  
Devon 8 Fee #1H  
Site Centre Latitude: 32°08'56.590N  
Longitude: 104°06'05.961W  
Ground Level: 3009.30  
Positional Uncertainty: 0.00  
Convergence: 0.12



Plan: Plan #3 (1H/Lateral)  
Created By: Keith Noack  
Date: 9/8/2011



# Weatherford International Ltd.

## WFT Plan Report Lat, Long



Weatherford

|                                                          |                    |                                                             |                                   |                    |                    |                         |                           |                          |                   |                        |                |
|----------------------------------------------------------|--------------------|-------------------------------------------------------------|-----------------------------------|--------------------|--------------------|-------------------------|---------------------------|--------------------------|-------------------|------------------------|----------------|
| <b>Company:</b> Occidental Permian Ltd.                  |                    | <b>Date:</b> 9/8/2011                                       | <b>Time:</b> 13:01:37             | <b>Page:</b> 1     |                    |                         |                           |                          |                   |                        |                |
| <b>Field:</b> Eddy Co, NM (Nad 27)                       |                    | <b>Co-ordinate(NE) Reference:</b> Well 1H, Grid North       |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Site:</b> Devon 8 Fee #1H                             |                    | <b>Vertical (TVD) Reference:</b> SITE 3034.3                |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Well:</b> 1H                                          |                    | <b>Section (VS) Reference:</b> Well (0.00N,0.00E,272.43Azi) |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Wellpath:</b> Lateral                                 |                    | <b>Survey Calculation Method:</b> Minimum Curvature         | <b>Db:</b> Sybase                 |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Plan:</b> Plan #3                                     |                    | <b>Date Composed:</b> 9/1/2011                              |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Principal:</b> Yes                                    |                    | <b>Version:</b> 1                                           |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Field:</b> Eddy Co, NM (Nad 27)                       |                    | <b>Tied-to:</b> From Surface                                |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Map System:</b> US State Plane Coordinate System 1927 |                    | <b>Map Zone:</b> New Mexico, Eastern Zone                   |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Geo Datum:</b> NAD27 (Clarke 1866)                    |                    | <b>Coordinate System:</b> Well Centre                       |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Sys Datum:</b> Mean Sea Level                         |                    | <b>Geomagnetic Model:</b> IGRF2010                          |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Site:</b> Devon 8 Fee #1H                             |                    |                                                             |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Site Position:</b>                                    |                    | <b>Northing:</b> 418024.03 ft                               | <b>Latitude:</b> 32 8 56 590 N    |                    |                    |                         |                           |                          |                   |                        |                |
| <b>From:</b> Geographic                                  |                    | <b>Easting:</b> 571702.46 ft                                | <b>Longitude:</b> 104 6 5.961 W   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Position Uncertainty:</b> 0.00 ft                     |                    | <b>North Reference:</b> Gnd                                 | <b>Grid Convergence:</b> 0.12 deg |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Ground Level:</b> 3009.30 ft                          |                    |                                                             |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Well:</b> 1H                                          |                    | <b>Slot Name:</b>                                           |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Well Position:</b> +N/-S 0.00 ft                      |                    | <b>Northing:</b> 418024.03 ft                               | <b>Latitude:</b> 32 8 56 590 N    |                    |                    |                         |                           |                          |                   |                        |                |
| <b>+E/-W 0.00 ft</b>                                     |                    | <b>Easting:</b> 571702.46 ft                                | <b>Longitude:</b> 104 6 5.961 W   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Position Uncertainty:</b> 0.00 ft                     |                    |                                                             |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Wellpath:</b> Lateral                                 |                    | <b>Drilled From:</b> Pilot                                  | <b>Tie-on Depth:</b> 0.00 ft      |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Current Datum:</b> SITE                               |                    | <b>Above System Datum:</b> Mean Sea Level                   | <b>Declination:</b> 7.80 deg      |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Magnetic Data:</b> 9/1/2011                           |                    | <b>Mag Dip Angle:</b> 60.02 deg                             | <b>Direction:</b> deg             |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Field Strength:</b> 48515 nT                          |                    |                                                             |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Vertical Section:</b> Depth From (TVD)                |                    | <b>+N/-S</b> ft                                             | <b>+E/-W</b> ft                   | <b>272.43</b>      |                    |                         |                           |                          |                   |                        |                |
| 6435.00                                                  |                    | 0.00                                                        | 0.00                              |                    |                    |                         |                           |                          |                   |                        |                |
| <b>Plan Section Information</b>                          |                    |                                                             |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>MD</b><br>ft                                          | <b>Incl</b><br>deg | <b>Azim</b><br>deg                                          | <b>TVD</b><br>ft                  | <b>+N/-S</b><br>ft | <b>+E/-W</b><br>ft | <b>DLS</b><br>deg/100ft | <b>Build</b><br>deg/100ft | <b>Turn</b><br>deg/100ft | <b>TFO</b><br>deg | <b>Target</b>          |                |
| 0.00                                                     | 0.00               | 272.43                                                      | 0.00                              | 0.00               | 0.00               | 0.00                    | 0.00                      | 0.00                     | 0.00              |                        |                |
| 5957.54                                                  | 0.00               | 272.43                                                      | 5957.54                           | 0.00               | 0.00               | 0.00                    | 0.00                      | 0.00                     | 0.00              |                        |                |
| 6707.54                                                  | 90.00              | 272.43                                                      | 6435.00                           | 20.27              | -477.03            | 12.00                   | 12.00                     | 0.00                     | 272.43            |                        |                |
| 10920.45                                                 | 90.00              | 272.43                                                      | 6435.00                           | 199.11             | -4686.15           | 0.00                    | 0.00                      | 0.00                     | 0.00              | PBHL                   |                |
| <b>Survey</b>                                            |                    |                                                             |                                   |                    |                    |                         |                           |                          |                   |                        |                |
| <b>MD</b><br>ft                                          | <b>Incl</b><br>deg | <b>Azim</b><br>deg                                          | <b>TVD</b><br>ft                  | <b>N/S</b><br>ft   | <b>E/W</b><br>ft   | <b>VS</b><br>ft         | <b>DLS</b><br>deg/100ft   | <b>Lat</b>               | <b>Min</b><br>Sec | <b>Long</b><br>Min Sec | <b>Comment</b> |
| 5900.00                                                  | 0.00               | 272.43                                                      | 5900.00                           | 0.00               | 0.00               | 0.00                    | 0.00                      | 32                       | 8 56.590          | 104 6 5.961            |                |
| 5957.54                                                  | 0.00               | 272.43                                                      | 5957.54                           | 0.00               | 0.00               | 0.00                    | 0.00                      | 32                       | 8 56.590          | 104 6 5.961            | KOP            |
| 6000.00                                                  | 5.10               | 272.43                                                      | 5999.94                           | 0.08               | -1.89              | 1.89                    | 12.00                     | 32                       | 8 56.591          | 104 6 5.983            |                |
| 6100.00                                                  | 17.10              | 272.43                                                      | 6097.90                           | 0.90               | -21.08             | 21.10                   | 12.00                     | 32                       | 8 56.599          | 104 6 6.206            |                |
| 6127.89                                                  | 20.44              | 272.43                                                      | 6124.30                           | 1.28               | -30.04             | 30.07                   | 12.00                     | 32                       | 8 56.603          | 104 6 6.310            | Top Bone Sp    |
| 6200.00                                                  | 29.10              | 272.43                                                      | 6189.71                           | 2.56               | -60.20             | 60.25                   | 12.00                     | 32                       | 8 56.617          | 104 6 6.661            |                |
| 6300.00                                                  | 41.10              | 272.43                                                      | 6271.38                           | 4.99               | -117.54            | 117.64                  | 12.00                     | 32                       | 8 56.642          | 104 6 7.328            |                |
| 6400.00                                                  | 53.10              | 272.43                                                      | 6339.34                           | 8.10               | -190.59            | 190.76                  | 12.00                     | 32                       | 8 56.674          | 104 6 8.178            |                |
| 6500.00                                                  | 65.10              | 272.43                                                      | 6390.60                           | 11.73              | -276.15            | 276.40                  | 12.00                     | 32                       | 8 56.712          | 104 6 9.173            |                |
| 6600.00                                                  | 77.10              | 272.43                                                      | 6422.94                           | 15.74              | -370.50            | 370.84                  | 12.00                     | 32                       | 8 56.754          | 104 6 10.270           |                |
| 6606.26                                                  | 77.85              | 272.43                                                      | 6424.30                           | 16.00              | -376.61            | 376.95                  | 12.00                     | 32                       | 8 56.756          | 104 6 10.341           | Top Upper A    |
| 6700.00                                                  | 89.10              | 272.43                                                      | 6434.94                           | 19.95              | -469.51            | 469.93                  | 12.00                     | 32                       | 8 56.797          | 104 6 11.422           |                |
| 6707.54                                                  | 90.00              | 272.43                                                      | 6435.00                           | 20.27              | -477.03            | 477.46                  | 12.00                     | 32                       | 8 56.801          | 104 6 11.509           | LP             |
| 6800.00                                                  | 90.00              | 272.43                                                      | 6435.00                           | 24.19              | -569.42            | 569.93                  | 0.00                      | 32                       | 8 56.842          | 104 6 12.584           |                |
| 6900.00                                                  | 90.00              | 272.43                                                      | 6435.00                           | 28.44              | -669.33            | 669.93                  | 0.00                      | 32                       | 8 56.886          | 104 6 13.746           |                |
| 7000.00                                                  | 90.00              | 272.43                                                      | 6435.00                           | 32.68              | -769.24            | 769.93                  | 0.00                      | 32                       | 8 56.930          | 104 6 14.908           |                |
| 7100.00                                                  | 90.00              | 272.43                                                      | 6435.00                           | 36.93              | -869.15            | 869.93                  | 0.00                      | 32                       | 8 56.974          | 104 6 16.070           |                |



# Weatherford International Ltd.

## WFT Plan Report Lat, Long



Weatherford

Company: Occidental Permian Ltd.  
Field: Eddy Co, NM (Nad 27)  
Site: Devon 8 Fee #1H  
Well: 1H  
Wellpath: Lateral

Date: 9/8/2011 Time: 13:01:37 Page: 2  
Co-ordinate(NE) Reference: Well: 1H, Gnd North  
Vertical (TVD) Reference: SITE 3034.3  
Section (VS) Reference: Well (0.00N,0.00E,272.43Azi)  
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 | VS<br>ft | DLS<br>deg/100ft | Lat<br>Min | Sec | Long<br>Min | Sec | Comment      |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|------------|-----|-------------|-----|--------------|
| 7200.00  | 90.00       | 272.43      | 6435.00   | 41.17     | -969.06   | 969.93   | 0.00             | 32         | 8   | 57.018      | 104 | 6 17 232     |
| 7300.00  | 90.00       | 272.43      | 6435.00   | 45.42     | -1068.97  | 1069.93  | 0.00             | 32         | 8   | 57.062      | 104 | 6 18 394     |
| 7400.00  | 90.00       | 272.43      | 6435.00   | 49.66     | -1168.88  | 1169.93  | 0.00             | 32         | 8   | 57.106      | 104 | 6 19 556     |
| 7500.00  | 90.00       | 272.43      | 6435.00   | 53.91     | -1268.78  | 1269.93  | 0.00             | 32         | 8   | 57.150      | 104 | 6 20 718     |
| 7600.00  | 90.00       | 272.43      | 6435.00   | 58.15     | -1368.69  | 1369.93  | 0.00             | 32         | 8   | 57.194      | 104 | 6 21 880     |
| 7700.00  | 90.00       | 272.43      | 6435.00   | 62.40     | -1468.60  | 1469.93  | 0.00             | 32         | 8   | 57.238      | 104 | 6 23.042     |
| 7800.00  | 90.00       | 272.43      | 6435.00   | 66.64     | -1568.51  | 1569.93  | 0.00             | 32         | 8   | 57.283      | 104 | 6 24.204     |
| 7900.00  | 90.00       | 272.43      | 6435.00   | 70.89     | -1668.42  | 1669.93  | 0.00             | 32         | 8   | 57.327      | 104 | 6 25.366     |
| 8000.00  | 90.00       | 272.43      | 6435.00   | 75.13     | -1768.33  | 1769.93  | 0.00             | 32         | 8   | 57.371      | 104 | 6 26 528     |
| 8100.00  | 90.00       | 272.43      | 6435.00   | 79.38     | -1868.24  | 1869.93  | 0.00             | 32         | 8   | 57.415      | 104 | 6 27.690     |
| 8200.00  | 90.00       | 272.43      | 6435.00   | 83.62     | -1968.15  | 1969.93  | 0.00             | 32         | 8   | 57.459      | 104 | 6 28 852     |
| 8300.00  | 90.00       | 272.43      | 6435.00   | 87.87     | -2068.06  | 2069.93  | 0.00             | 32         | 8   | 57.503      | 104 | 6 30 014     |
| 8400.00  | 90.00       | 272.43      | 6435.00   | 92.11     | -2167.97  | 2169.93  | 0.00             | 32         | 8   | 57.547      | 104 | 6 31 176     |
| 8500.00  | 90.00       | 272.43      | 6435.00   | 96.36     | -2267.88  | 2269.93  | 0.00             | 32         | 8   | 57.591      | 104 | 6 32.338     |
| 8600.00  | 90.00       | 272.43      | 6435.00   | 100.61    | -2367.79  | 2369.93  | 0.00             | 32         | 8   | 57.635      | 104 | 6 33.500     |
| 8700.00  | 90.00       | 272.43      | 6435.00   | 104.85    | -2467.70  | 2469.93  | 0.00             | 32         | 8   | 57.679      | 104 | 6 34.662     |
| 8800.00  | 90.00       | 272.43      | 6435.00   | 109.10    | -2567.61  | 2569.93  | 0.00             | 32         | 8   | 57.723      | 104 | 6 35.825     |
| 8900.00  | 90.00       | 272.43      | 6435.00   | 113.34    | -2667.52  | 2669.93  | 0.00             | 32         | 8   | 57.767      | 104 | 6 36.987     |
| 9000.00  | 90.00       | 272.43      | 6435.00   | 117.59    | -2767.43  | 2769.93  | 0.00             | 32         | 8   | 57.811      | 104 | 6 38.149     |
| 9100.00  | 90.00       | 272.43      | 6435.00   | 121.83    | -2867.34  | 2869.93  | 0.00             | 32         | 8   | 57.856      | 104 | 6 39 311     |
| 9200.00  | 90.00       | 272.43      | 6435.00   | 126.08    | -2967.25  | 2969.93  | 0.00             | 32         | 8   | 57.900      | 104 | 6 40.473     |
| 9300.00  | 90.00       | 272.43      | 6435.00   | 130.32    | -3067.16  | 3069.93  | 0.00             | 32         | 8   | 57.944      | 104 | 6 41.635     |
| 9400.00  | 90.00       | 272.43      | 6435.00   | 134.57    | -3167.07  | 3169.93  | 0.00             | 32         | 8   | 57.988      | 104 | 6 42.797     |
| 9500.00  | 90.00       | 272.43      | 6435.00   | 138.81    | -3266.98  | 3269.93  | 0.00             | 32         | 8   | 58.032      | 104 | 6 43.959     |
| 9600.00  | 90.00       | 272.43      | 6435.00   | 143.06    | -3366.89  | 3369.93  | 0.00             | 32         | 8   | 58.076      | 104 | 6 45.121     |
| 9700.00  | 90.00       | 272.43      | 6435.00   | 147.30    | -3466.80  | 3469.93  | 0.00             | 32         | 8   | 58.120      | 104 | 6 46.283     |
| 9800.00  | 90.00       | 272.43      | 6435.00   | 151.55    | -3566.71  | 3569.93  | 0.00             | 32         | 8   | 58.164      | 104 | 6 47.445     |
| 9900.00  | 90.00       | 272.43      | 6435.00   | 155.79    | -3666.62  | 3669.93  | 0.00             | 32         | 8   | 58.208      | 104 | 6 48.607     |
| 10000.00 | 90.00       | 272.43      | 6435.00   | 160.04    | -3766.53  | 3769.93  | 0.00             | 32         | 8   | 58.252      | 104 | 6 49.769     |
| 10100.00 | 90.00       | 272.43      | 6435.00   | 164.28    | -3866.44  | 3869.93  | 0.00             | 32         | 8   | 58.296      | 104 | 6 50.931     |
| 10200.00 | 90.00       | 272.43      | 6435.00   | 168.53    | -3966.35  | 3969.93  | 0.00             | 32         | 8   | 58.340      | 104 | 6 52.093     |
| 10300.00 | 90.00       | 272.43      | 6435.00   | 172.77    | -4066.26  | 4069.93  | 0.00             | 32         | 8   | 58.384      | 104 | 6 53.255     |
| 10400.00 | 90.00       | 272.43      | 6435.00   | 177.02    | -4166.17  | 4169.93  | 0.00             | 32         | 8   | 58.428      | 104 | 6 54.417     |
| 10500.00 | 90.00       | 272.43      | 6435.00   | 181.26    | -4266.08  | 4269.93  | 0.00             | 32         | 8   | 58.472      | 104 | 6 55.579     |
| 10600.00 | 90.00       | 272.43      | 6435.00   | 185.51    | -4365.99  | 4369.93  | 0.00             | 32         | 8   | 58.516      | 104 | 6 56.741     |
| 10700.00 | 90.00       | 272.43      | 6435.00   | 189.75    | -4465.90  | 4469.93  | 0.00             | 32         | 8   | 58.560      | 104 | 6 57.903     |
| 10800.00 | 90.00       | 272.43      | 6435.00   | 194.00    | -4565.81  | 4569.93  | 0.00             | 32         | 8   | 58.604      | 104 | 6 59.065     |
| 10900.00 | 90.00       | 272.43      | 6435.00   | 198.24    | -4665.72  | 4669.93  | 0.00             | 32         | 8   | 58.648      | 104 | 7 0.227      |
| 10920.45 | 90.00       | 272.43      | 6435.00   | 199.11    | -4686.15  | 4690.38  | 0.00             | 32         | 8   | 58.657      | 104 | 7 0.465 PBHL |

### Targets

| Name | Description | Dir. | TVD<br>ft | +N/-S<br>ft | +E/-W<br>ft | Map<br>Northing<br>ft | Map<br>Easting<br>ft | Latitude<br>Deg Min Sec | Longitude<br>Deg Min Sec |
|------|-------------|------|-----------|-------------|-------------|-----------------------|----------------------|-------------------------|--------------------------|
| PBHL |             |      | 6435.00   | 199.11      | -4686.15    | 418223.14             | 567016.31            | 32 8 58 657 N           | 104 7 0 465 W            |



# Weatherford International Ltd.

## WFT Plan Report Lat, Long



Weatherford

Company: Occidental Permian, Ltd.  
Field: Eddy Co., NM (Nad 27)  
Site: Devon 8 Fee #1H  
Well: 1H  
Wellpath: Lateral

Date: 9/8/2011

Time: 13:01:37

Page: 3

Co-ordinate(NE) Reference:

Well: 1H, Grid North

Vertical (TVD) Reference:

SITE 3034.3

Section (VS) Reference:

Well (0.00N,0.00E,272.43Azi)

Survey Calculation Method:

Minimum Curvature

Db: Sybase

### Casing Points

| MD<br>ft | TVD<br>ft | Diameter<br>in | Hole Size<br>in | Name   |
|----------|-----------|----------------|-----------------|--------|
| 2530.00  | 2530.00   | 9.625          | 9.625           | 9 5/8" |

### Formations

| MD<br>ft | TVD<br>ft | Formations             | Lithology | Dip Angle<br>deg | Dip Direction<br>deg |
|----------|-----------|------------------------|-----------|------------------|----------------------|
| 6127.89  | 6124.30   | Top Bone Spring        |           | 0.00             | 0.00                 |
| 6606.26  | 6424.30   | Top Upper Avalon Shale |           | 0.00             | 0.00                 |

### Annotation

| MD<br>ft | TVD<br>ft |      |
|----------|-----------|------|
| 5957.54  | 5957.54   | KOP  |
| 6707.54  | 6435.00   | LP   |
| 10920.44 | 6435.00   | PBHL |