

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II  
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

**RECEIVED**  
APR 29 2010  
Form C-102  
Revised October 15, 2009  
Submit one copy to appropriate District Office  
**NMOC D ARTESIA**

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

☐ AMENDED REPORT

|                                   |                                                               |                                 |
|-----------------------------------|---------------------------------------------------------------|---------------------------------|
| API Number<br><b>30-019-37878</b> | Pool Code                                                     | Pool Name<br><b>BONE SPRING</b> |
| Property Code                     | Property Name<br><b>COOTER "16" STATE</b>                     | Well Number<br><b>8H</b>        |
| GRID No.<br><b>6137</b>           | Operator Name<br><b>DEVON ENERGY PRODUCTION COMPANY, L.P.</b> | Elevation<br><b>3036'</b>       |

**Surface Location**

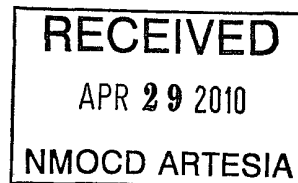
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| P             | 16      | 25 S     | 29 E  |         | 330           | SOUTH            | 420           | EAST           | EDDY   |

**Bottom Hole Location If Different From Surface**

| UL or lot No.                 | Section         | Township           | Range     | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|-------------------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| A                             | 16              | 25 S               | 29 E      |         | 330           | NORTH            | 400           | EAST           | EDDY   |
| Dedicated Acres<br><b>160</b> | Joint or Infill | Consolidation Code | Order No. |         |               |                  |               |                |        |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>N: 413853.5730<br/>E: 645110.5070<br/>LAT: N032°08'14.35"<br/>LONG: W103°59'53.05"</p> <p><b>PROPOSED BOTTOM HOLE LOCATION</b><br/>Lat - N 32°08'11.13"<br/>Long - W 103°58'55.93"<br/>NMSPC- N 413544.198<br/>E 650022.893<br/>(NAD-83)</p> <p><b>SURFACE LOCATION</b><br/>Lat - N 32°07'25.07"<br/>Long - W 103°58'56.19"<br/>NMSPC- N 408889.665<br/>E 650015.164<br/>(NAD-83)</p> <p>N: 408543.4960<br/>E: 645141.6510<br/>LAT: N032°07'21.80"<br/>LONG: W103°59'52.86"</p> <p>N: 408550.8730<br/>E: 650434.7070<br/>LAT: N032°07'21.80"<br/>LONG: W103°58'51.33"</p> | <p>N: 413875.8720<br/>E: 650420.8100<br/>LAT: N032°08'14.40"<br/>LONG: W103°58'51.25"</p> <p>N: 411222.1980<br/>E: 650437.5420<br/>LAT: N032°07'48.14"<br/>LONG: W103°58'51.15"</p> <p><b>Project Area</b></p> <p><b>Production Area</b></p> | <p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Judy A. Barnett</i> 4/29/10<br/>Signature Date</p> <p>Judy A. Barnett Regulatory Analyst<br/>Printed Name</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>JANUARY 20 2010<br/>Date Surveyed</p> <p><i>[Signature]</i><br/>Signature of Professional Surveyor</p> <p>No. 7977<br/>Professional Surveyor</p> <p>Certificate No. Gary L. Jones 7977</p> <p><b>BASIN SURVEYS</b></p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



**Weatherford®**

## **Drilling Services**

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## **Proposal**

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**COOTER 16 STATE #8H**

**EDDY COUNTY, NM**

**WELL FILE: PLAN 1**

**APRIL 20, 2010**

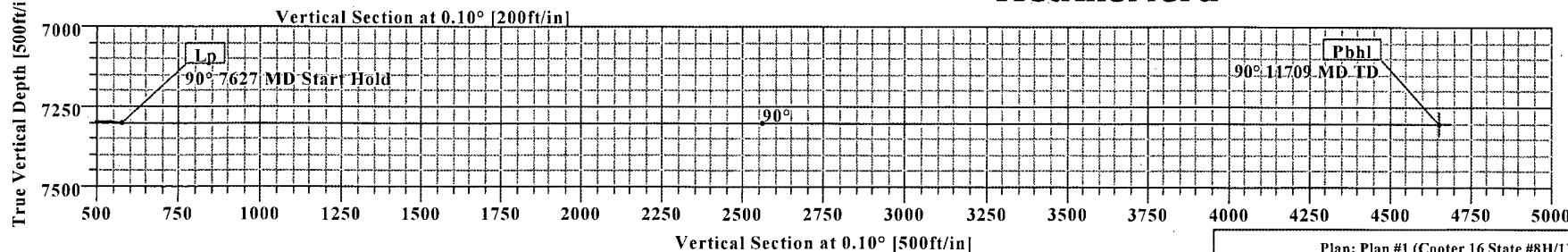
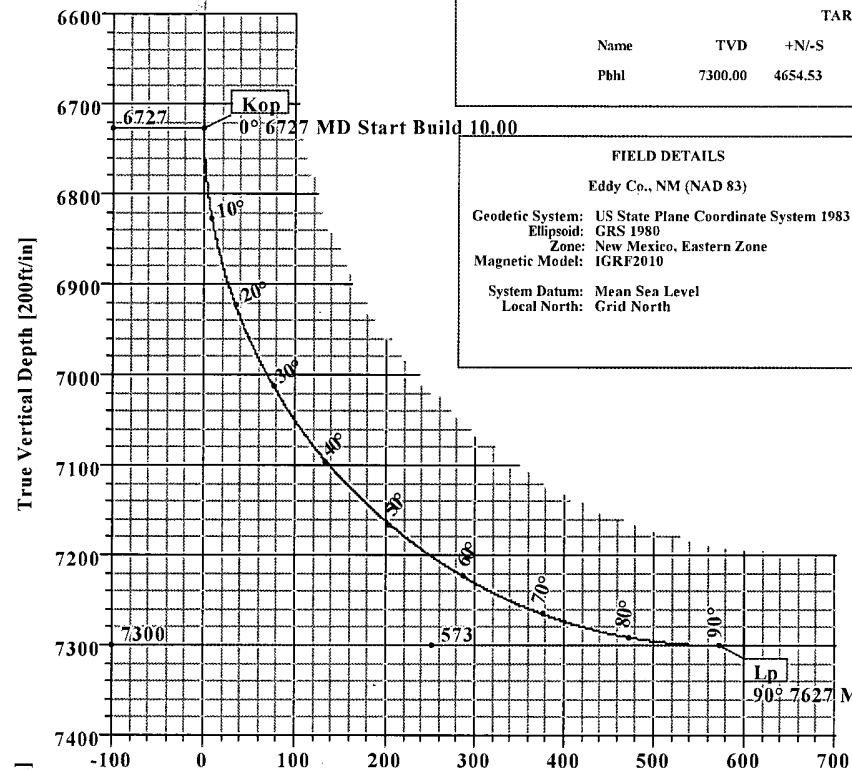
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**Weatherford International, Ltd.**  
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COOTER 16 STATE #8H  
EDDY CO., NEW MEXICO

KB ELEV: 3061  
GL ELEV: 3036



SECTION DETAILS

| Sec | MD       | Inc   | Azi  | TVD     | +N/-S   | +E/-W | DLeg  | TFace | VSec    | Target |
|-----|----------|-------|------|---------|---------|-------|-------|-------|---------|--------|
| 1   | 0.00     | 0.00  | 0.10 | 0.00    | 0.00    | 0.00  | 0.00  | 0.00  | 0.00    |        |
| 2   | 6727.04  | 0.00  | 0.10 | 6727.04 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00    |        |
| 3   | 7627.04  | 90.00 | 0.10 | 7300.00 | 572.96  | 0.95  | 10.00 | 0.10  | 572.96  |        |
| 4   | 11708.62 | 90.00 | 0.10 | 7300.00 | 4654.53 | 7.73  | 0.00  | 0.00  | 4654.54 | Pbh    |

WELL DETAILS

| Name                | +N/-S | +E/-W | Northing  | Easting   | Latitude      | Longitude      | Slot |
|---------------------|-------|-------|-----------|-----------|---------------|----------------|------|
| Cooter 16 State #8H | 0.00  | 0.00  | 408889.66 | 650015.16 | 32°07'25.060N | 103°58'56.208W | N/A  |

TARGET DETAILS

| Name | TVD     | +N/-S   | +E/-W | Northing  | Easting   | Shape |
|------|---------|---------|-------|-----------|-----------|-------|
| Pbh  | 7300.00 | 4654.53 | 7.73  | 413544.20 | 650022.89 | Point |

FIELD DETAILS

Eddy Co., NM (NAD 83)

Geodetic System: US State Plane Coordinate System 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico, Eastern Zone  
Magnetic Model: IGRF2010

System Datum: Mean Sea Level  
Local North: Grid North

SITE DETAILS

Cooter 16 State #8H

Site Centre Northing: 408889.66  
Easting: 650015.16

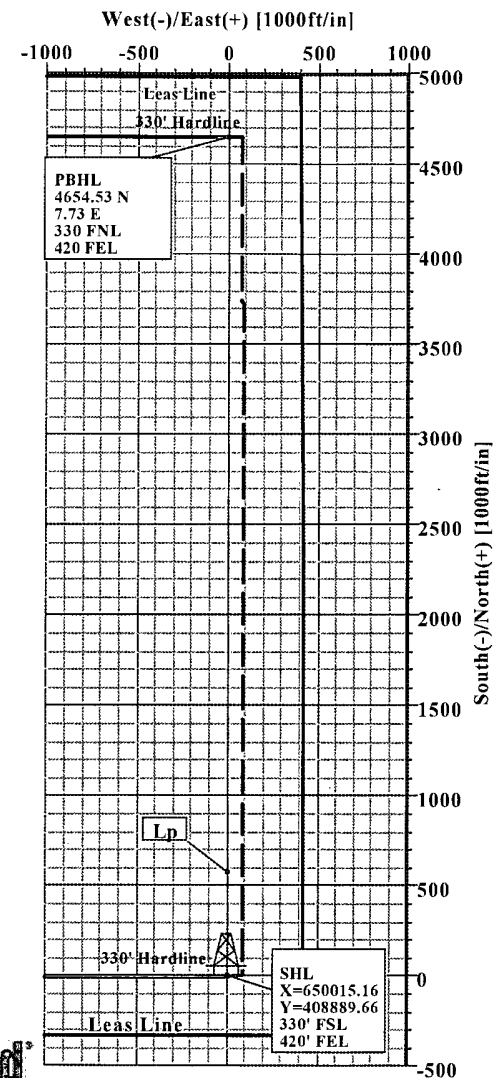
Ground Level: 3036.00  
Positional Uncertainty: 0.00  
Convergence: 0.19



Azimuths to Grid North  
True North: -0.19°  
Magnetic North: 7.68°

Magnetic Field  
Strength: 48613nT  
Dip Angle: 60.04°  
Date: 9/1/2010  
Model: IGRF2010

Total Correction to Grid North: 7.68°



Plan: Plan #1 (Cooter 16 State #8H/1)

Created By: Russell W Joyner

Date: 4/20/2010



# Weatherford International Ltd.

## WFT Plan Report - X & Y's



Weatherford

Company: Devon Energy  
Field: Eddy Co., NM (NAD 83)  
Site: Cooter 16 State #8H  
Well: Cooter 16 State #8H  
Wellpath: 1

Date: 4/20/2010  
Co-ordinate(NE) Reference: Well: Cooter 16 State #8H, Grid North  
Vertical (TVD) Reference: SITE 3061.0  
Section (VS) Reference: Well (0.00N,0.00E,0.10Azi)  
Survey Calculation Method: Minimum Curvature  
Page: 1  
Db: Sybase

Field: Eddy Co., NM (NAD 83)

Map System: US State Plane Coordinate System 1983  
Geo Datum: GRS 1980  
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone  
Coordinate System: Well Centre  
Geomagnetic Model: IGRF2010

Site: Cooter 16 State #8H

Site Position: Northing: 408889.66 ft Latitude: 32 7 25.060 N  
From: Map Easting: 650015.16 ft Longitude: 103 58 56.208 W  
Position Uncertainty: 0.00 ft North Reference: Grid  
Ground Level: 3036.00 ft Grid Convergence: 0.19 deg

Well: Cooter 16 State #8H

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 408889.66 ft Latitude: 32 7 25.060 N  
+E/-W 0.00 ft Easting: 650015.16 ft Longitude: 103 58 56.208 W  
Position Uncertainty: 0.00 ft

Wellpath: 1

Drilled From: Surface  
Tie-on Depth: 0.00 ft  
Above System Datum: Mean Sea Level  
Declination: 7.86 deg  
Mag Dip Angle: 60.04 deg  
+E/-W Direction deg

Current Datum: SITE Height 3061.00 ft  
Magnetic Data: 9/1/2010  
Field Strength: 48613 nT  
Vertical Section: Depth From (TVD) +N/-S  
ft ft  
7300.00 0.00

### Plan Section Information

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | +N/-S<br>ft | +E/-W<br>ft | DLS<br>deg/100ft | Build<br>deg/100ft | Turn<br>deg/100ft | TFO<br>deg | Target |
|----------|-------------|-------------|-----------|-------------|-------------|------------------|--------------------|-------------------|------------|--------|
| 0.00     | 0.00        | 0.10        | 0.00      | 0.00        | 0.00        | 0.00             | 0.00               | 0.00              | 0.00       |        |
| 6727.04  | 0.00        | 0.10        | 6727.04   | 0.00        | 0.00        | 0.00             | 0.00               | 0.00              | 0.00       |        |
| 7627.04  | 90.00       | 0.10        | 7300.00   | 572.96      | 0.95        | 10.00            | 10.00              | 0.00              | 0.10       |        |
| 11708.62 | 90.00       | 0.10        | 7300.00   | 4654.53     | 7.73        | 0.00             | 0.00               | 0.00              | 0.00       | Pbhl   |

### 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 | MapN<br>ft | MapE<br>ft | Comment |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|------------|------------|---------|
| 6700.00  | 0.00        | 0.10        | 6700.00   | 0.00      | 0.00      | 0.00     | 0.00             | 408889.66  | 650015.16  | Kop     |
| 6727.04  | 0.00        | 0.10        | 6727.04   | 0.00      | 0.00      | 0.00     | 0.00             | 408889.66  | 650015.16  |         |
| 6800.00  | 7.30        | 0.10        | 6799.80   | 4.64      | 0.01      | 4.64     | 10.00            | 408894.30  | 650015.17  |         |
| 6900.00  | 17.30       | 0.10        | 6897.39   | 25.91     | 0.04      | 25.91    | 10.00            | 408915.57  | 650015.21  |         |
| 7000.00  | 27.30       | 0.10        | 6989.79   | 63.80     | 0.11      | 63.80    | 10.00            | 408953.46  | 650015.27  |         |
| 7100.00  | 37.30       | 0.10        | 7074.21   | 117.16    | 0.19      | 117.16   | 10.00            | 409006.82  | 650015.36  | Lp      |
| 7200.00  | 47.30       | 0.10        | 7148.09   | 184.37    | 0.31      | 184.37   | 10.00            | 409074.03  | 650015.47  |         |
| 7300.00  | 57.30       | 0.10        | 7209.17   | 263.39    | 0.44      | 263.39   | 10.00            | 409153.05  | 650015.60  |         |
| 7400.00  | 67.30       | 0.10        | 7255.60   | 351.81    | 0.58      | 351.81   | 10.00            | 409241.48  | 650015.75  |         |
| 7500.00  | 77.30       | 0.10        | 7285.97   | 446.95    | 0.74      | 446.95   | 10.00            | 409336.62  | 650015.91  |         |
| 7600.00  | 87.30       | 0.10        | 7299.36   | 545.92    | 0.91      | 545.93   | 10.00            | 409435.59  | 650016.07  |         |
| 7627.04  | 90.00       | 0.10        | 7300.00   | 572.96    | 0.95      | 572.96   | 10.00            | 409462.62  | 650016.12  |         |
| 7700.00  | 90.00       | 0.10        | 7300.00   | 645.91    | 1.07      | 645.92   | 0.00             | 409535.58  | 650016.24  |         |
| 7800.00  | 90.00       | 0.10        | 7300.00   | 745.91    | 1.24      | 745.92   | 0.00             | 409635.58  | 650016.40  |         |
| 7900.00  | 90.00       | 0.10        | 7300.00   | 845.91    | 1.40      | 845.92   | 0.00             | 409735.58  | 650016.57  |         |
| 8000.00  | 90.00       | 0.10        | 7300.00   | 945.91    | 1.57      | 945.92   | 0.00             | 409835.58  | 650016.73  |         |
| 8100.00  | 90.00       | 0.10        | 7300.00   | 1045.91   | 1.74      | 1045.92  | 0.00             | 409935.58  | 650016.90  |         |
| 8200.00  | 90.00       | 0.10        | 7300.00   | 1145.91   | 1.90      | 1145.92  | 0.00             | 410035.58  | 650017.07  |         |
| 8300.00  | 90.00       | 0.10        | 7300.00   | 1245.91   | 2.07      | 1245.92  | 0.00             | 410135.58  | 650017.23  |         |
| 8400.00  | 90.00       | 0.10        | 7300.00   | 1345.91   | 2.23      | 1345.92  | 0.00             | 410235.58  | 650017.40  |         |



# Weatherford International Ltd.

## WFT Plan Report - X & Y's



|                              |                            |                            |            |
|------------------------------|----------------------------|----------------------------|------------|
| Company: Devon Energy        | Date: 4/20/2010            | Time: 15:42:33             | Page: 2    |
| Field: Eddy Co., NM (NAD 83) | Co-ordinate(NE) Reference: | Well: Cooter 16 State #8H  | Grid North |
| Site: Cooter 16 State #8H    | Vertical (TVD) Reference:  | SITE 3061.0                |            |
| Well: Cooter 16 State #8H    | Section (VS) Reference:    | Well (0.00N,0.00E,0.10Azi) |            |
| 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 | VS<br>ft | DLS<br>deg/100ft | MapN<br>ft | MapE<br>ft | Comment |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|------------|------------|---------|
| 8500.00  | 90.00       | 0.10        | 7300.00   | 1445.91   | 2.40      | 1445.92  | 0.00             | 410335.58  | 650017.56  |         |
| 8600.00  | 90.00       | 0.10        | 7300.00   | 1545.91   | 2.57      | 1545.92  | 0.00             | 410435.58  | 650017.73  |         |
| 8700.00  | 90.00       | 0.10        | 7300.00   | 1645.91   | 2.73      | 1645.92  | 0.00             | 410535.58  | 650017.90  |         |
| 8800.00  | 90.00       | 0.10        | 7300.00   | 1745.91   | 2.90      | 1745.92  | 0.00             | 410635.58  | 650018.06  |         |
| 8900.00  | 90.00       | 0.10        | 7300.00   | 1845.91   | 3.07      | 1845.92  | 0.00             | 410735.58  | 650018.23  |         |
| 9000.00  | 90.00       | 0.10        | 7300.00   | 1945.91   | 3.23      | 1945.92  | 0.00             | 410835.58  | 650018.40  |         |
| 9100.00  | 90.00       | 0.10        | 7300.00   | 2045.91   | 3.40      | 2045.92  | 0.00             | 410935.58  | 650018.56  |         |
| 9200.00  | 90.00       | 0.10        | 7300.00   | 2145.91   | 3.56      | 2145.92  | 0.00             | 411035.58  | 650018.73  |         |
| 9300.00  | 90.00       | 0.10        | 7300.00   | 2245.91   | 3.73      | 2245.92  | 0.00             | 411135.58  | 650018.89  |         |
| 9400.00  | 90.00       | 0.10        | 7300.00   | 2345.91   | 3.90      | 2345.92  | 0.00             | 411235.58  | 650019.06  |         |
| 9500.00  | 90.00       | 0.10        | 7300.00   | 2445.91   | 4.06      | 2445.92  | 0.00             | 411335.58  | 650019.23  |         |
| 9600.00  | 90.00       | 0.10        | 7300.00   | 2545.91   | 4.23      | 2545.92  | 0.00             | 411435.58  | 650019.39  |         |
| 9700.00  | 90.00       | 0.10        | 7300.00   | 2645.91   | 4.39      | 2645.92  | 0.00             | 411535.58  | 650019.56  |         |
| 9800.00  | 90.00       | 0.10        | 7300.00   | 2745.91   | 4.56      | 2745.92  | 0.00             | 411635.58  | 650019.72  |         |
| 9900.00  | 90.00       | 0.10        | 7300.00   | 2845.91   | 4.73      | 2845.92  | 0.00             | 411735.58  | 650019.89  |         |
| 10000.00 | 90.00       | 0.10        | 7300.00   | 2945.91   | 4.89      | 2945.92  | 0.00             | 411835.58  | 650020.06  |         |
| 10100.00 | 90.00       | 0.10        | 7300.00   | 3045.91   | 5.06      | 3045.92  | 0.00             | 411935.58  | 650020.22  |         |
| 10200.00 | 90.00       | 0.10        | 7300.00   | 3145.91   | 5.22      | 3145.92  | 0.00             | 412035.58  | 650020.39  |         |
| 10300.00 | 90.00       | 0.10        | 7300.00   | 3245.91   | 5.39      | 3245.92  | 0.00             | 412135.58  | 650020.55  |         |
| 10400.00 | 90.00       | 0.10        | 7300.00   | 3345.91   | 5.56      | 3345.92  | 0.00             | 412235.58  | 650020.72  |         |
| 10500.00 | 90.00       | 0.10        | 7300.00   | 3445.91   | 5.72      | 3445.92  | 0.00             | 412335.58  | 650020.89  |         |
| 10600.00 | 90.00       | 0.10        | 7300.00   | 3545.91   | 5.89      | 3545.92  | 0.00             | 412435.58  | 650021.05  |         |
| 10700.00 | 90.00       | 0.10        | 7300.00   | 3645.91   | 6.05      | 3645.92  | 0.00             | 412535.58  | 650021.22  |         |
| 10800.00 | 90.00       | 0.10        | 7300.00   | 3745.91   | 6.22      | 3745.92  | 0.00             | 412635.58  | 650021.38  |         |
| 10900.00 | 90.00       | 0.10        | 7300.00   | 3845.91   | 6.39      | 3845.92  | 0.00             | 412735.58  | 650021.55  |         |
| 11000.00 | 90.00       | 0.10        | 7300.00   | 3945.91   | 6.55      | 3945.92  | 0.00             | 412835.58  | 650021.72  |         |
| 11100.00 | 90.00       | 0.10        | 7300.00   | 4045.91   | 6.72      | 4045.92  | 0.00             | 412935.58  | 650021.88  |         |
| 11200.00 | 90.00       | 0.10        | 7300.00   | 4145.91   | 6.88      | 4145.92  | 0.00             | 413035.57  | 650022.05  |         |
| 11300.00 | 90.00       | 0.10        | 7300.00   | 4245.91   | 7.05      | 4245.92  | 0.00             | 413135.57  | 650022.21  |         |
| 11400.00 | 90.00       | 0.10        | 7300.00   | 4345.91   | 7.22      | 4345.92  | 0.00             | 413235.57  | 650022.38  |         |
| 11500.00 | 90.00       | 0.10        | 7300.00   | 4445.91   | 7.38      | 4445.92  | 0.00             | 413335.57  | 650022.55  |         |
| 11600.00 | 90.00       | 0.10        | 7300.00   | 4545.91   | 7.55      | 4545.92  | 0.00             | 413435.57  | 650022.71  |         |
| 11700.00 | 90.00       | 0.10        | 7300.00   | 4645.91   | 7.71      | 4645.92  | 0.00             | 413535.57  | 650022.88  |         |
| 11708.62 | 90.00       | 0.10        | 7300.00   | 4654.53   | 7.73      | 4654.54  | 0.00             | 413544.20  | 650022.89  | Pbhl    |

### Targets

| Name | Description<br>Dip. | 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 |                     |      | 7300.00   | 4654.53     | 7.73        | 413544.20             | 650022.89            | 32 8 11.121 N           | 103 58 55.942 W          |

### Casing Points

| MD | TVD | Diameter | Hole Size | Name |
|----|-----|----------|-----------|------|
|    |     |          |           |      |

### Annotation

| MD<br>ft | TVD<br>ft |      |
|----------|-----------|------|
| 6727.04  | 6727.04   | Kop  |
| 7627.04  | 7300.00   | Lp   |
| 11708.62 | 7300.00   | Pbhl |



# Weatherford International Ltd.

## WFT Plan Report - X & Y's



Weatherford

|           |                       |                            |                                       |       |          |       |   |
|-----------|-----------------------|----------------------------|---------------------------------------|-------|----------|-------|---|
| Company:  | Devon Energy          | Date:                      | 4/20/2010                             | Time: | 15:42:33 | Page: | 3 |
| Field:    | Eddy Co., NM (NAD 83) | Co-ordinate(NE) Reference: | Well: Cooter 16 State #8H, Grid North |       |          |       |   |
| Site:     | Cooter 16 State #8H   | Vertical (TVD) Reference:  | SITE 3061.0                           |       |          |       |   |
| Well:     | Cooter 16 State #8H   | Section (VS) Reference:    | Well (0.00N,0.00E,0.10Azi)            |       |          |       |   |
| Wellpath: | 1                     | Survey Calculation Method: | Minimum Curvature                     | Db:   | Sybase   |       |   |

### Formations

| MD | TVD | Formations | Lithology | Dip Angle | Dip Direction |
|----|-----|------------|-----------|-----------|---------------|
|    |     |            |           |           |               |

**Weatherford®****Weatherford Drilling Services**

GeoDec v5.03

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Report Date: April 20, 2010  
Job Number: \_\_\_\_\_  
Customer: Devon Energy  
Well Name: Cooter 16 State #8H  
API Number: \_\_\_\_\_  
Rig Name: \_\_\_\_\_  
Location: Eddy Co, NM  
Block: \_\_\_\_\_  
Engineer: R Joyner

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|                                              |                                             |
|----------------------------------------------|---------------------------------------------|
| US State Plane 1983                          | Geodetic Latitude / Longitude               |
| System: New Mexico Eastern Zone              | System: Latitude / Longitude                |
| Projection: Transverse Mercator/Gauss Kruger | Projection: Geodetic Latitude and Longitude |
| Datum: North American Datum 1983             | Datum: North American Datum 1983            |
| Ellipsoid: GRS 1980                          | Ellipsoid: GRS 1980                         |
| North/South 408889.660 USFT                  | Latitude 32.1236300 DEG                     |
| East/West 650015.160 USFT                    | Longitude -103.9822758 DEG                  |
| Grid Convergence: .19°                       |                                             |
| Total Correction: +7.67°                     |                                             |

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|                         |              |                        |
|-------------------------|--------------|------------------------|
| Geodetic Location WGS84 | Elevation =  | 0.0 Meters             |
| Latitude =              | 32.12363° N  | 32° 7 min 25.068 sec   |
| Longitude =             | 103.98228° W | 103° 58 min 56.193 sec |

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|                        |              |                              |
|------------------------|--------------|------------------------------|
| Magnetic Declination = | 7.86°        | [True North Offset]          |
| Local Gravity =        | .9988 g      | Checksum = 6604              |
| Local Field Strength = | 48609 nT     | Magnetic Vector X = 24047 nT |
| Magnetic Dip =         | 60.04°       | Magnetic Vector Y = 3321 nT  |
| Magnetic Model =       | IGRF-2010g11 | Magnetic Vector Z = 42114 nT |
| Spud Date =            | Sep 01, 2010 | Magnetic Vector H = 24275 nT |

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Signed: \_\_\_\_\_

Date: \_\_\_\_\_