

Submit 1 Copy To Appropriate District  
Office  
District I  
1625 N French Dr., Hobbs, NM 88240  
District II  
1301 W Grand Ave., 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

Form C-103  
October 13, 2009

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO.<br><b>30-015-39370</b>                                                                 |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.                                                                        |
| 7. Lease Name or Unit Agreement Name<br><b>Roo 22 State</b>                                         |
| 8. Well Number <b>1</b>                                                                             |
| 9. OGRID Number<br>192463                                                                           |
| 10. Pool name or Wildcat<br><b>Empire Glorieta Yeso</b>                                             |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br><b>3606.4</b>                                 |

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
OXY USA WTP LP

3. Address of Operator  
P.O. Box 50250 Midland, TX 79710

4. Well Location  
Unit Letter **M** : **1289** feet from the **South** line and **693** feet from the **West** line  
Section **22** Township **17S** Range **28E** NMPM County **Eddy**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: **Amend to Directional** ☒

SUBSEQUENT REPORT OF:

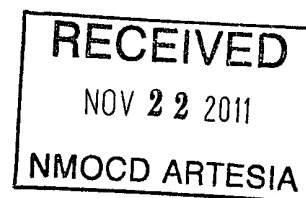
REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

OXY USA WTP LP respectfully requests to amend the APD for the Roo 22 State #1, API No. 30-015-39370 with the following changes.

1. Amend from vertical to directional well, 5200'-TVD 5219'-TMD
2. See attached for an amended C-102.
3. See attached for the amended production casing & cementing programs.
4. See attached for the amended proposed directional drilling plan.



Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *David Stewart* TITLE Regulatory Advisor DATE 11/18/11

Type or print name David Stewart E-mail address: david\_stewart@oxy.com PHONE: 432-685-5717

For State Use Only

APPROVED BY: *T. C. Shepard* TITLE Geologist DATE NOV 23 2011

Conditions of Approval (if any):

*dm*

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease- 4 Copies  
Fee Lease- 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                   |                                                         |                                           |
|-----------------------------------|---------------------------------------------------------|-------------------------------------------|
| API Number<br><b>30-015-39370</b> | Pool Code<br><b>96210</b>                               | Pool Name<br><b>Empire Glaufrata Yeso</b> |
| Property Code<br><b>309603</b>    | Property Name<br><b>ROO 22" STATE</b>                   | Well Number<br><b>1</b>                   |
| OCRID No.<br><b>192463</b>        | Operator Name<br><b>OXY USA WTP Limited Partnership</b> | Elevation<br><b>3606.4'</b>               |

Surface Location

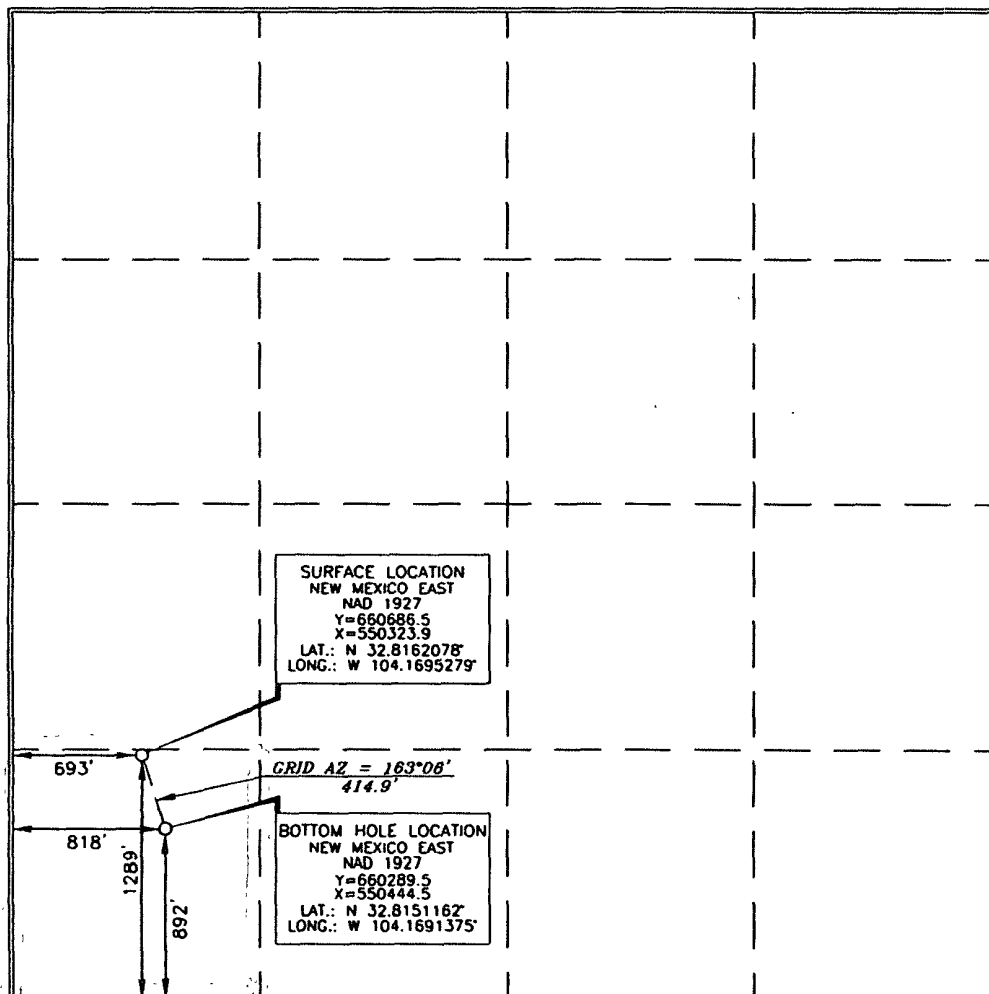
|                           |                      |                             |                                   |         |                               |                                  |                              |                               |                       |
|---------------------------|----------------------|-----------------------------|-----------------------------------|---------|-------------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------|
| UL or lot no.<br><b>M</b> | Section<br><b>22</b> | Township<br><b>17 SOUTH</b> | Range<br><b>28 EAST, N.M.P.M.</b> | Lot Idn | Feet from the<br><b>1289'</b> | North/South line<br><b>SOUTH</b> | Feet from the<br><b>693'</b> | East/West line<br><b>WEST</b> | County<br><b>EDDY</b> |
|---------------------------|----------------------|-----------------------------|-----------------------------------|---------|-------------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------|

Bottom Hole Location If Different From Surface

|                           |                      |                             |                                   |         |                              |                                  |                              |                               |                       |
|---------------------------|----------------------|-----------------------------|-----------------------------------|---------|------------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------|
| UL or lot no.<br><b>M</b> | Section<br><b>22</b> | Township<br><b>17 SOUTH</b> | Range<br><b>28 EAST, N.M.P.M.</b> | Lot Idn | Feet from the<br><b>892'</b> | North/South line<br><b>SOUTH</b> | Feet from the<br><b>818'</b> | East/West line<br><b>WEST</b> | County<br><b>EDDY</b> |
|---------------------------|----------------------|-----------------------------|-----------------------------------|---------|------------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------|

|                              |                             |                    |           |
|------------------------------|-----------------------------|--------------------|-----------|
| Dedicated Acres<br><b>40</b> | Joint or Infill<br><b>N</b> | 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.



OPERATOR CERTIFICATION

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.

*David Stewart-Ray* 11/14/11  
Signature Date

David Stewart-Ray, Advisor  
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was located from field notes or actual survey made by me or under my supervision, and that the same is true and correct to the best of my belief.

*Tommy J. Alford* 10/4/2011  
Date of Survey

Professional Surveyor  
Signature and Seal of Professional Surveyor

*Tommy J. Alford* 10/4/2011  
Certificate Number 15079

WO# 110928WL-m (KA)

**Amended Permit**

|                       |                                 |                      |
|-----------------------|---------------------------------|----------------------|
| Operator Name/Number: | OXY USA WTP Limited Partnership | 192463               |
| Lease Name/Number:    | Roo 22 State #1                 | API No. 30-015-39370 |
| Pool Name/Number:     | Empire Glorieta Yeso            | 96210                |
| Surface Location:     | 1289 FSL 693 FWL M              | Sec 22 T17S R28E     |
| Bottom Hole Location: | 892 FSL 818 FWL M               | Sec 22 T17S R28E     |

C-102 Plats: 9/28/11 10/4/11 10/20/11 Elevation: 3606.4' GL

Proposed TD: 5200' TVD 5219' TMD  
 SL - Lat: 32.8162078 Long: 104.1695279 X= 550323.9 Y= 660686.5 NAD - 1927  
 BH - Lat: 32.8151162 Long: 104.1691375 X= 550444.5 Y= 660289.5 NAD - 1927

**Casing Program:**

| <u>Hole Size</u> | <u>Interval</u> | <u>OD Csg</u> | <u>Weight</u> | <u>Collar</u>              | <u>Grade</u> | <u>Condition</u> | <u>Collapse Design Factor</u> | <u>Burst Design Factor</u> | <u>Tension Design Factor</u> |
|------------------|-----------------|---------------|---------------|----------------------------|--------------|------------------|-------------------------------|----------------------------|------------------------------|
| 12-1/4"          | 400'            | 9-5/8"        | 36            | ST&C                       | J-55         | New              | 6.57                          | 1.62                       | 2.21                         |
|                  |                 |               |               | Hole filled with 8.4# Mud  |              |                  | 2020#                         | 3520#                      |                              |
| 8-3/4"           | 5219'           | 5-1/2"        | 17            | LT&C                       | J-55         | New              | 2.25                          | 2.44                       | 2.78                         |
|                  |                 |               |               | Hole filled with 10.0# Mud |              |                  | 4910#                         | 5320#                      |                              |

Collapse and burst loads calculated using Stress Check with anticipated loads

**Cement Program:**

- a. 9-5/8" Surface Circulate cement to surface w/ 250sx PP cmt w/ 2% CaCl<sub>2</sub>, 14.8ppg 1.35 yield  
2500# 24hr CS 150% Excess
- b. 5-1/2" Production Circulate Cement w/ 940sx HES Light PP cmt w/ 5% Salt + 5#/sx Gilsonite + 0.125#/sx Poly-E-Flake, 12.9ppg 1.87 yield 530# 24hr CS 150% Excess followed by 1140sx 50/50 Poz/PP cmt w/ 3% salt + 0.4% Halad R-322 + 0.125#/sx Poly-E-Flake, 14.5ppg 1.24 yield 980# 24hr CS 150% Excess.

**Proposed Mud Circulation System:**

| <u>Depth</u> | <u>Mud Wt. ppg</u> | <u>Visc sec</u> | <u>Fluid Loss</u> | <u>Type System</u>   |
|--------------|--------------------|-----------------|-------------------|----------------------|
| 0 - 400'     | 8.4-8.9            | 32-34           | NC                | Fresh Water/Spud Mud |
| 400 - TD     | 9.8-10.0           | 28-29           | NC                | Brine Water          |

Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times.

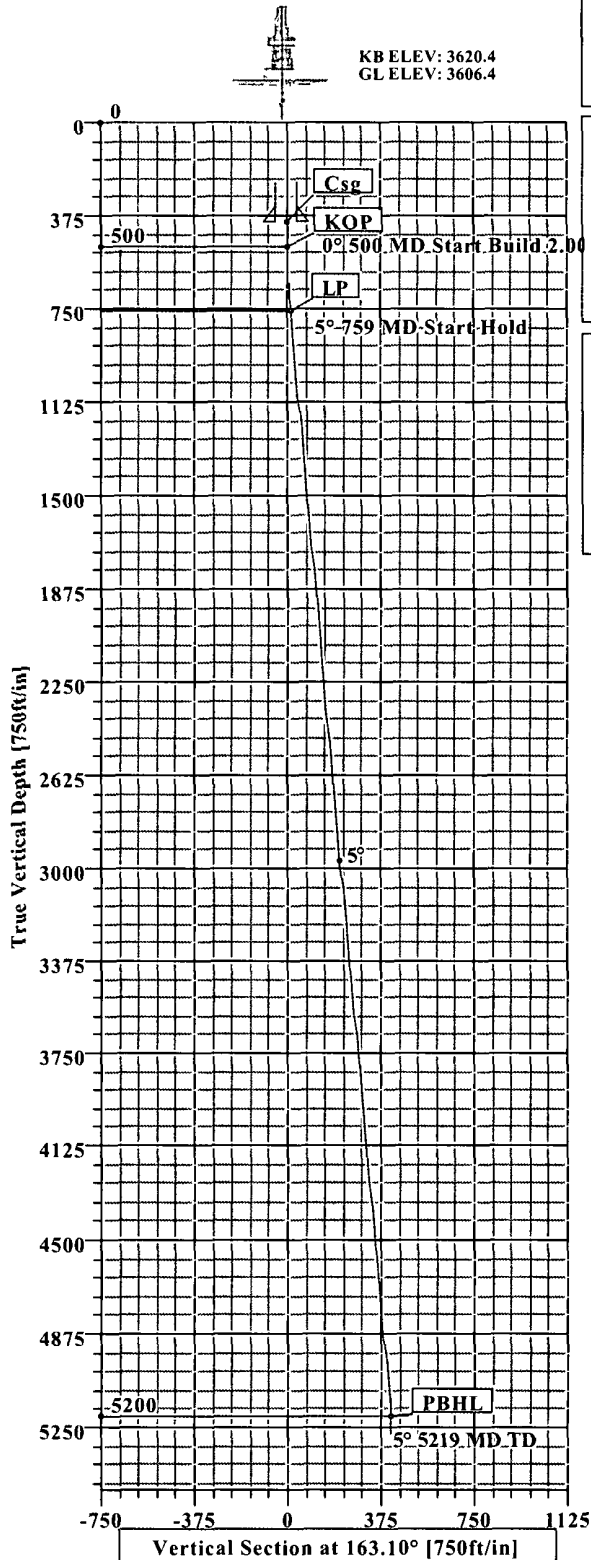
**BOP Program (1):**

Surface None  
 Production 11" X 3M Double Ram, 11" X 3M Annular, 3M Choke Manifold

| <u>Geological Marker</u> | <u>Depth</u> | <u>Type</u> | <u>Source</u> |
|--------------------------|--------------|-------------|---------------|
| a. Rustler               | 352'         | Formation   | Drlg          |
| b. Tansil                | 498'         | Formation   | Drlg          |
| c. Yates                 | 625'         | Oil/Gas     | Drlg          |
| d. Seven Rivers          | 755'         | Oil/Gas     | Drlg          |
| e. Queen                 | 1438'        | Oil/Gas     | Drlg          |
| f. San Andres            | 2187'        | Oil/Gas     | Drlg          |
| g. Glorieta              | 3571'        | Oil/Gas     | Drlg          |
| h. Yeso                  | 5069'        | Oil/Gas     | Drlg          |



ROO 22 State 1  
Eddy Co., NM

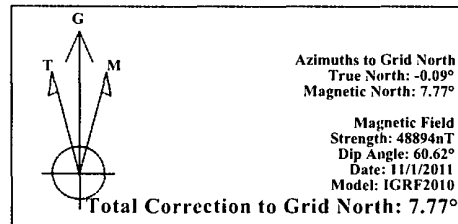


| SECTION DETAILS |         |      |        |         |         |        |      |        |        |        |
|-----------------|---------|------|--------|---------|---------|--------|------|--------|--------|--------|
| Sec             | MD      | Inc  | Azi    | TVD     | +N/-S   | +E/-W  | DLeg | TFace  | VSec   | Target |
| 1               | 0.00    | 0.00 | 163.10 | 0.00    | 0.00    | 0.00   | 0.00 | 0.00   | 0.00   |        |
| 2               | 500.00  | 0.00 | 163.10 | 500.00  | 0.00    | 0.00   | 0.00 | 0.00   | 0.00   |        |
| 3               | 759.37  | 5.19 | 163.10 | 759.02  | -11.23  | 3.41   | 2.00 | 163.10 | 11.73  |        |
| 4               | 5218.62 | 5.19 | 163.10 | 5200.00 | -397.00 | 120.60 | 0.00 | 0.00   | 414.91 | PBHL   |

| WELL DETAILS   |       |       |           |           |               |                |      |  |
|----------------|-------|-------|-----------|-----------|---------------|----------------|------|--|
| Name           | +N/-S | +E/-W | Northing  | Easting   | Latitude      | Longitude      | Slot |  |
| ROO 22 State 1 | 0.00  | 0.00  | 660686.50 | 550323.90 | 32°48'58.349N | 104°10'10.300W | N/A  |  |

| TARGET DETAILS |         |         |        |           |           |       |  |
|----------------|---------|---------|--------|-----------|-----------|-------|--|
| Name           | TVD     | +N/-S   | +E/-W  | Northing  | Easting   | Shape |  |
| PBHL           | 5200.00 | -397.00 | 120.60 | 660289.50 | 550444.50 | 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

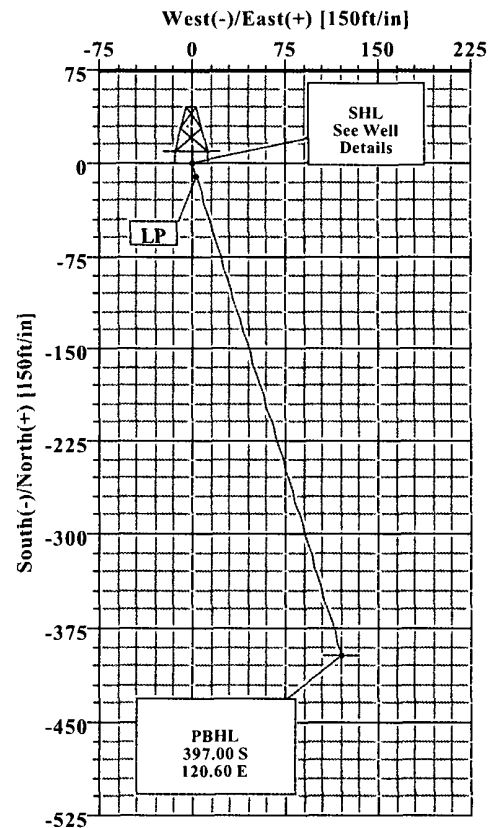


**SITE DETAILS**  
ROO 22 State 1  
Site Centre Northing: 660686.50  
Easting: 550323.90  
Ground Level: 3606.40  
Positional Uncertainty: 0.00  
Convergence: 0.09

**LEGEND**  
1 Plan #1



Weatherford



Plan: Plan #1 (ROO 22 State 1/1)  
Created By: Keith Noack  
Date: 10/6/2011



# Weatherford International Ltd.

## WFT Plan Report - X & Y's



**Weatherford**

|                                         |                                                                    |                       |                |
|-----------------------------------------|--------------------------------------------------------------------|-----------------------|----------------|
| <b>Company:</b> Occidental Permian Ltd. | <b>Date:</b> 10/6/2011                                             | <b>Time:</b> 10:44:54 | <b>Page:</b> 1 |
| <b>Field:</b> Eddy Co, NM (Nad 27)      | <b>Co-ordinate(NE) Reference:</b> Well: ROO 22 State 1, Grid North |                       |                |
| <b>Site:</b> ROO 22 State 1             | <b>Vertical (TVD) Reference:</b> SITE 3620.4                       |                       |                |
| <b>Well:</b> ROO 22 State 1             | <b>Section (VS) Reference:</b> Well (0.00N,0.00E,163.10Azi)        |                       |                |
| <b>Wellpath:</b> 1                      | <b>Survey Calculation Method:</b> Minimum Curvature                | <b>Db:</b> Sybase     |                |

|                       |                                 |
|-----------------------|---------------------------------|
| <b>Plan:</b> Plan #1  | <b>Date Composed:</b> 10/6/2011 |
| <b>Principal:</b> Yes | <b>Version:</b> 1               |
|                       | <b>Tied-to:</b> From Surface    |

**Field:** Eddy Co, NM (Nad 27)

|                                                          |                                           |
|----------------------------------------------------------|-------------------------------------------|
| <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        |

**Site:** ROO 22 State 1

|                                      |                               |                                   |
|--------------------------------------|-------------------------------|-----------------------------------|
| <b>Site Position:</b>                | <b>Northing:</b> 660686.50 ft | <b>Latitude:</b> 32 48 58.349 N   |
| <b>From:</b> Map                     | <b>Easting:</b> 550323.90 ft  | <b>Longitude:</b> 104 10 10.300 W |
| <b>Position Uncertainty:</b> 0.00 ft |                               | <b>North Reference:</b> Grid      |
| <b>Ground Level:</b> 3606.40 ft      |                               | <b>Grid Convergence:</b> 0.09 deg |

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| <b>Well:</b> ROO 22 State 1          | <b>Slot Name:</b>                 |
| <b>Well Position:</b> +N/-S 0.00 ft  | <b>Latitude:</b> 32 48 58.349 N   |
| +E/-W 0.00 ft                        | <b>Longitude:</b> 104 10 10.300 W |
| <b>Position Uncertainty:</b> 0.00 ft |                                   |

|                                           |                                           |
|-------------------------------------------|-------------------------------------------|
| <b>Wellpath:</b> 1                        | <b>Drilled From:</b> Surface              |
| <b>Current Datum:</b> SITE                | <b>Tie-on Depth:</b> 0.00 ft              |
| <b>Magnetic Data:</b> 11/1/2011           | <b>Above System Datum:</b> Mean Sea Level |
| <b>Field Strength:</b> 48894 nT           | <b>Declination:</b> 7.86 deg              |
| <b>Vertical Section:</b> Depth From (TVD) | <b>Mag Dip Angle:</b> 60.62 deg           |
| ft                                        | <b>+N/-S</b>                              |
|                                           | <b>+E/-W</b>                              |
|                                           | <b>Direction</b>                          |
|                                           | <b>deg</b>                                |
| 6000.00                                   | 0.00                                      |
| 0.00                                      | 163.10                                    |

### 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        | 163.10      | 0.00      | 0.00        | 0.00        | 0.00             | 0.00               | 0.00              | 0.00       |        |
| 500.00   | 0.00        | 163.10      | 500.00    | 0.00        | 0.00        | 0.00             | 0.00               | 0.00              | 0.00       |        |
| 759.37   | 5.19        | 163.10      | 759.02    | -11.23      | 3.41        | 2.00             | 2.00               | 0.00              | 163.10     |        |
| 5218.62  | 5.19        | 163.10      | 5200.00   | -397.00     | 120.60      | 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 |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|------------|------------|---------|
| 400.00   | 0.00        | 163.10      | 400.00    | 0.00      | 0.00      | 0.00     | 0.00             | 660686.50  | 550323.90  | Csg     |
| 500.00   | 0.00        | 163.10      | 500.00    | 0.00      | 0.00      | 0.00     | 0.00             | 660686.50  | 550323.90  | KOP     |
| 600.00   | 2.00        | 163.10      | 599.98    | -1.67     | 0.51      | 1.75     | 2.00             | 660684.83  | 550324.41  |         |
| 700.00   | 4.00        | 163.10      | 699.84    | -6.68     | 2.03      | 6.98     | 2.00             | 660679.82  | 550325.93  |         |
| 759.37   | 5.19        | 163.10      | 759.02    | -11.23    | 3.41      | 11.73    | 2.00             | 660675.27  | 550327.31  | LP      |
| 800.00   | 5.19        | 163.10      | 799.48    | -14.74    | 4.48      | 15.41    | 0.00             | 660671.76  | 550328.38  |         |
| 900.00   | 5.19        | 163.10      | 899.07    | -23.39    | 7.11      | 24.45    | 0.00             | 660663.11  | 550331.01  |         |
| 1000.00  | 5.19        | 163.10      | 998.66    | -32.04    | 9.73      | 33.49    | 0.00             | 660654.46  | 550333.63  |         |
| 1100.00  | 5.19        | 163.10      | 1098.25   | -40.69    | 12.36     | 42.53    | 0.00             | 660645.81  | 550336.26  |         |
| 1200.00  | 5.19        | 163.10      | 1197.84   | -49.35    | 14.99     | 51.57    | 0.00             | 660637.15  | 550338.89  |         |
| 1300.00  | 5.19        | 163.10      | 1297.43   | -58.00    | 17.62     | 60.61    | 0.00             | 660628.50  | 550341.52  |         |
| 1400.00  | 5.19        | 163.10      | 1397.02   | -66.65    | 20.25     | 69.66    | 0.00             | 660619.85  | 550344.15  |         |
| 1500.00  | 5.19        | 163.10      | 1496.61   | -75.30    | 22.87     | 78.70    | 0.00             | 660611.20  | 550346.77  |         |
| 1600.00  | 5.19        | 163.10      | 1596.20   | -83.95    | 25.50     | 87.74    | 0.00             | 660602.55  | 550349.40  |         |
| 1700.00  | 5.19        | 163.10      | 1695.79   | -92.60    | 28.13     | 96.78    | 0.00             | 660593.90  | 550352.03  |         |
| 1800.00  | 5.19        | 163.10      | 1795.38   | -101.25   | 30.76     | 105.82   | 0.00             | 660585.25  | 550354.66  |         |
| 1900.00  | 5.19        | 163.10      | 1894.97   | -109.90   | 33.39     | 114.86   | 0.00             | 660576.60  | 550357.29  |         |



# Weatherford International Ltd.

## WFT Plan Report - X & Y's

**Weatherford**

Company: Occidental Permian Ltd.  
Field: Eddy Co, NM (Nad 27)  
Site: ROO 22 State 1  
Well: ROO 22 State 1  
Wellpath: 1

Date: 10/6/2011 Time: 10:44:54 Page: 2  
Co-ordinate(NE) Reference: Well: ROO 22 State 1, Grid North  
Vertical (TVD) Reference: SITE 3620.4  
Section (VS) Reference: Well (0.00N,0.00E,163.10Azi)  
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 |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|------------|------------|---------|
| 2000.00  | 5.19        | 163.10      | 1994.56   | -118.55   | 36.01     | 123.90   | 0.00             | 660567.95  | 550359.91  |         |
| 2100.00  | 5.19        | 163.10      | 2094.15   | -127.21   | 38.64     | 132.95   | 0.00             | 660559.29  | 550362.54  |         |
| 2200.00  | 5.19        | 163.10      | 2193.75   | -135.86   | 41.27     | 141.99   | 0.00             | 660550.64  | 550365.17  |         |
| 2300.00  | 5.19        | 163.10      | 2293.34   | -144.51   | 43.90     | 151.03   | 0.00             | 660541.99  | 550367.80  |         |
| 2400.00  | 5.19        | 163.10      | 2392.93   | -153.16   | 46.53     | 160.07   | 0.00             | 660533.34  | 550370.43  |         |
| 2500.00  | 5.19        | 163.10      | 2492.52   | -161.81   | 49.15     | 169.11   | 0.00             | 660524.69  | 550373.05  |         |
| 2600.00  | 5.19        | 163.10      | 2592.11   | -170.46   | 51.78     | 178.15   | 0.00             | 660516.04  | 550375.68  |         |
| 2700.00  | 5.19        | 163.10      | 2691.70   | -179.11   | 54.41     | 187.19   | 0.00             | 660507.39  | 550378.31  |         |
| 2800.00  | 5.19        | 163.10      | 2791.29   | -187.76   | 57.04     | 196.24   | 0.00             | 660498.74  | 550380.94  |         |
| 2900.00  | 5.19        | 163.10      | 2890.88   | -196.41   | 59.67     | 205.28   | 0.00             | 660490.09  | 550383.57  |         |
| 3000.00  | 5.19        | 163.10      | 2990.47   | -205.07   | 62.29     | 214.32   | 0.00             | 660481.43  | 550386.19  |         |
| 3100.00  | 5.19        | 163.10      | 3090.06   | -213.72   | 64.92     | 223.36   | 0.00             | 660472.78  | 550388.82  |         |
| 3200.00  | 5.19        | 163.10      | 3189.65   | -222.37   | 67.55     | 232.40   | 0.00             | 660464.13  | 550391.45  |         |
| 3300.00  | 5.19        | 163.10      | 3289.24   | -231.02   | 70.18     | 241.44   | 0.00             | 660455.48  | 550394.08  |         |
| 3400.00  | 5.19        | 163.10      | 3388.83   | -239.67   | 72.81     | 250.48   | 0.00             | 660446.83  | 550396.71  |         |
| 3500.00  | 5.19        | 163.10      | 3488.42   | -248.32   | 75.43     | 259.53   | 0.00             | 660438.18  | 550399.33  |         |
| 3600.00  | 5.19        | 163.10      | 3588.01   | -256.97   | 78.06     | 268.57   | 0.00             | 660429.53  | 550401.96  |         |
| 3700.00  | 5.19        | 163.10      | 3687.60   | -265.62   | 80.69     | 277.61   | 0.00             | 660420.88  | 550404.59  |         |
| 3800.00  | 5.19        | 163.10      | 3787.19   | -274.27   | 83.32     | 286.65   | 0.00             | 660412.23  | 550407.22  |         |
| 3900.00  | 5.19        | 163.10      | 3886.78   | -282.93   | 85.95     | 295.69   | 0.00             | 660403.57  | 550409.85  |         |
| 4000.00  | 5.19        | 163.10      | 3986.37   | -291.58   | 88.57     | 304.73   | 0.00             | 660394.92  | 550412.47  |         |
| 4100.00  | 5.19        | 163.10      | 4085.96   | -300.23   | 91.20     | 313.77   | 0.00             | 660386.27  | 550415.10  |         |
| 4200.00  | 5.19        | 163.10      | 4185.55   | -308.88   | 93.83     | 322.82   | 0.00             | 660377.62  | 550417.73  |         |
| 4300.00  | 5.19        | 163.10      | 4285.14   | -317.53   | 96.46     | 331.86   | 0.00             | 660368.97  | 550420.36  |         |
| 4400.00  | 5.19        | 163.10      | 4384.73   | -326.18   | 99.09     | 340.90   | 0.00             | 660360.32  | 550422.99  |         |
| 4500.00  | 5.19        | 163.10      | 4484.33   | -334.83   | 101.71    | 349.94   | 0.00             | 660351.67  | 550425.61  |         |
| 4600.00  | 5.19        | 163.10      | 4583.92   | -343.48   | 104.34    | 358.98   | 0.00             | 660343.02  | 550428.24  |         |
| 4700.00  | 5.19        | 163.10      | 4683.51   | -352.13   | 106.97    | 368.02   | 0.00             | 660334.37  | 550430.87  |         |
| 4800.00  | 5.19        | 163.10      | 4783.10   | -360.78   | 109.60    | 377.06   | 0.00             | 660325.72  | 550433.50  |         |
| 4900.00  | 5.19        | 163.10      | 4882.69   | -369.44   | 112.23    | 386.11   | 0.00             | 660317.06  | 550436.13  |         |
| 5000.00  | 5.19        | 163.10      | 4982.28   | -378.09   | 114.85    | 395.15   | 0.00             | 660308.41  | 550438.75  |         |
| 5100.00  | 5.19        | 163.10      | 5081.87   | -386.74   | 117.48    | 404.19   | 0.00             | 660299.76  | 550441.38  |         |
| 5200.00  | 5.19        | 163.10      | 5181.46   | -395.39   | 120.11    | 413.23   | 0.00             | 660291.11  | 550444.01  |         |
| 5218.62  | 5.19        | 163.10      | 5200.00   | -397.00   | 120.60    | 414.91   | 0.00             | 660289.50  | 550444.50  | 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             |                     |      | 5200.00   | -397.00     | 120.60      | 660289.50             | 550444.50            | 32 48 54.418 N          | 104 10 8.894 W           |
| -Plan hit target |                     |      |           |             |             |                       |                      |                         |                          |

### Casing Points

| MD<br>ft | TVD<br>ft | Diameter<br>in | Hole Size<br>in | Name |
|----------|-----------|----------------|-----------------|------|
| 400.00   | 400.00    | 0.000          | 0.000           | Csg  |



# Weatherford International Ltd.

## WFT Plan Report - X & Y's



**Weatherford**

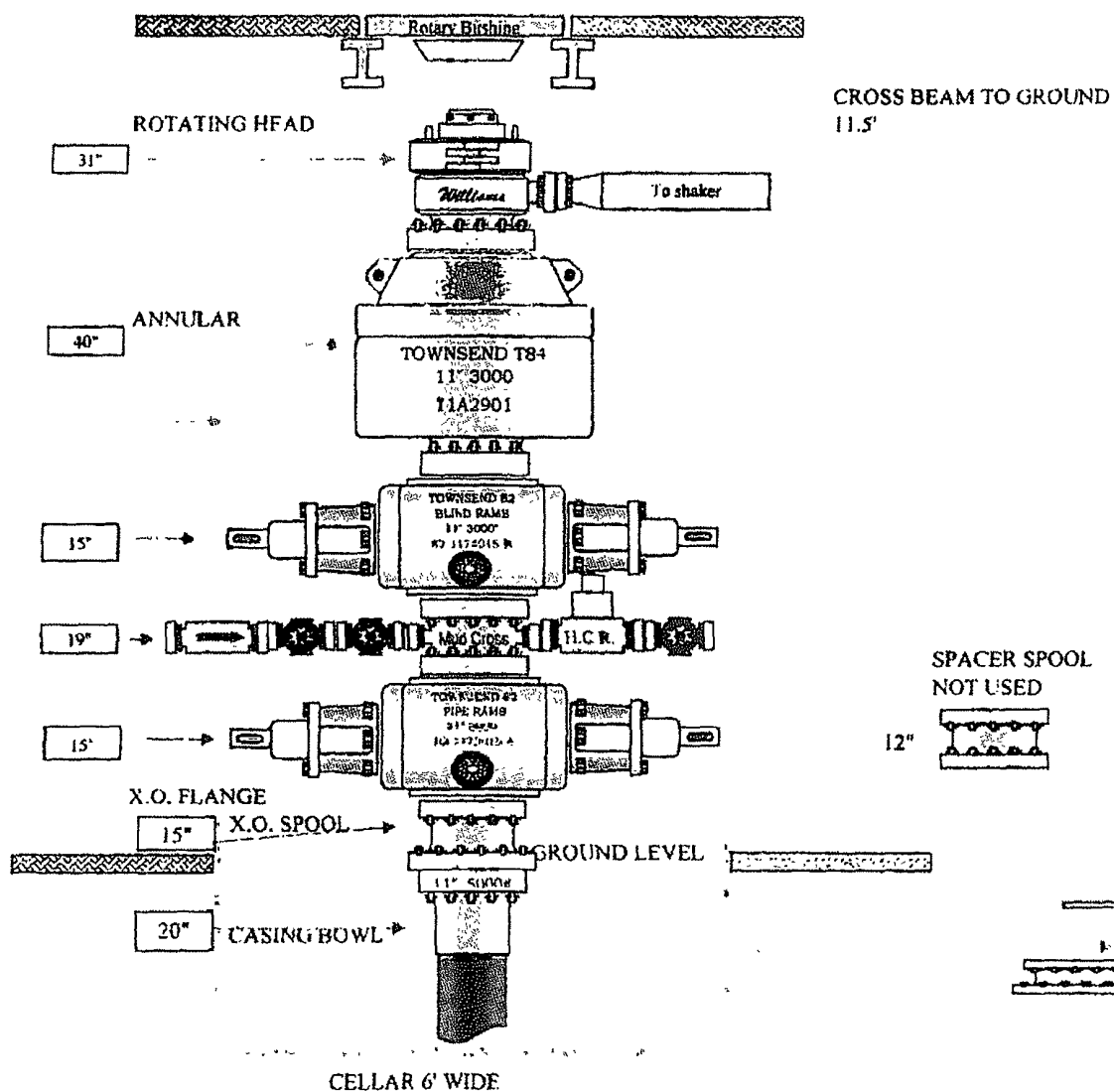
|                                         |                                   |                                  |                   |
|-----------------------------------------|-----------------------------------|----------------------------------|-------------------|
| <b>Company:</b> Occidental Permian Ltd. | <b>Date:</b> 10/6/2011            | <b>Time:</b> 10:44:54            | <b>Page:</b> 3    |
| <b>Field:</b> Eddy Co, NM (Nad 27)      | <b>Co-ordinate(NE) Reference:</b> | Well: ROO 22 State 1, Grid North |                   |
| <b>Site:</b> ROO 22 State 1             | <b>Vertical (TVD) Reference:</b>  | SITE 3620.4                      |                   |
| <b>Well:</b> ROO 22 State 1             | <b>Section (VS) Reference:</b>    | Well (0.00N,0.00E,163.10Azi)     |                   |
| <b>Wellpath:</b> 1                      | <b>Survey Calculation Method:</b> | Minimum Curvature                | <b>Db:</b> Sybase |

### Annotation

| MD<br>ft | TVD<br>ft |      |
|----------|-----------|------|
| 500.00   | 500.00    | KOP  |
| 759.37   | 759.02    | LP   |
| 5218.61  | 5199.99   | PBHL |

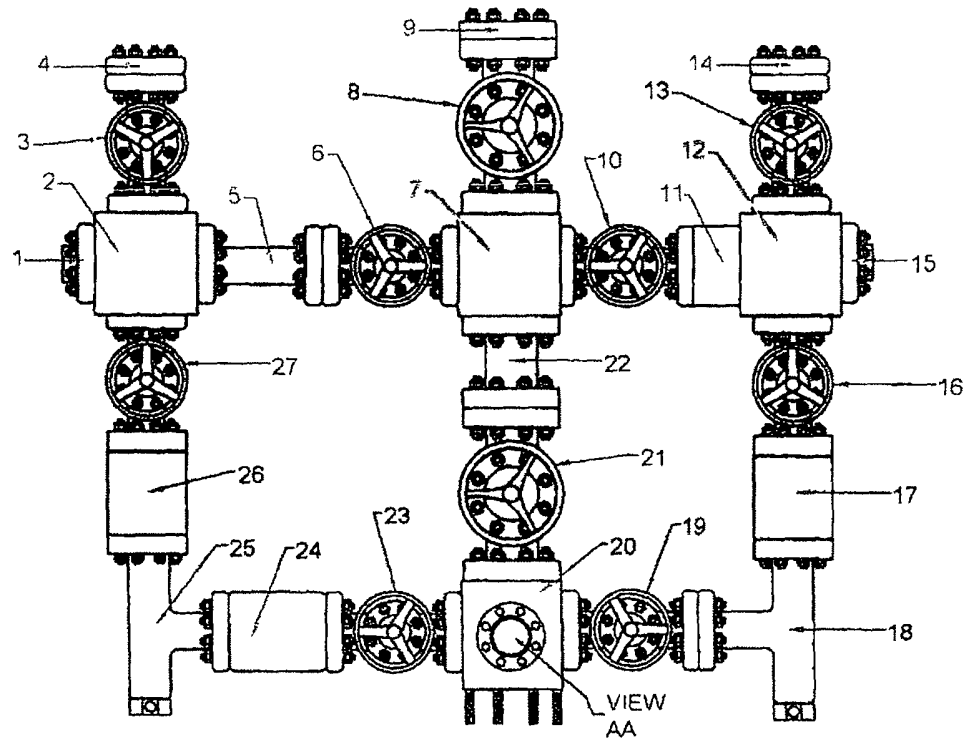
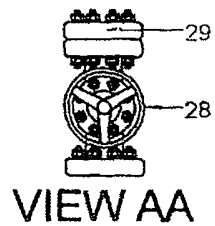
### Formations

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





RIG #



|             |           |       |    |                        |  |
|-------------|-----------|-------|----|------------------------|--|
| Scale:      | N.T.S     | Date: |    | Description:           |  |
| Drawn by:   | RAVI MANI | DWG#  |    | 3-1/8" x 2-1/16" 3000# |  |
| Checked by: |           | REV   | 00 | NACE TRIM SINGLE       |  |
|             |           |       |    | GUT CHOKE & KILL       |  |
|             |           |       |    | MANIFOLD SYSTEM        |  |

