

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 & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RECEIVED

MAR 23 2012

Form C-102  
Revised October 15, 2009  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                |                                                                     |                                               |
|--------------------------------|---------------------------------------------------------------------|-----------------------------------------------|
| <sup>1</sup> API Number        | <sup>2</sup> Pool Code                                              | <sup>3</sup> Pool Name<br>LOST TANK; DELAWARE |
| <sup>4</sup> Property Code     | <sup>5</sup> Property Name<br>BIG ARISTOTLE 27 STATE                | <sup>6</sup> Well Number<br>2H                |
| <sup>7</sup> OGRID No.<br>6137 | <sup>8</sup> Operator Name<br>DEVON ENERGY PRODUCTION COMPANY, L.P. | <sup>9</sup> Elevation<br>3492.2              |

<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A             | 34      | 21 S     | 31 E  |         | 660           | NORTH            | 690           | EAST           | EDDY   |

<sup>11</sup> Bottom Hole Location If Different From Surface

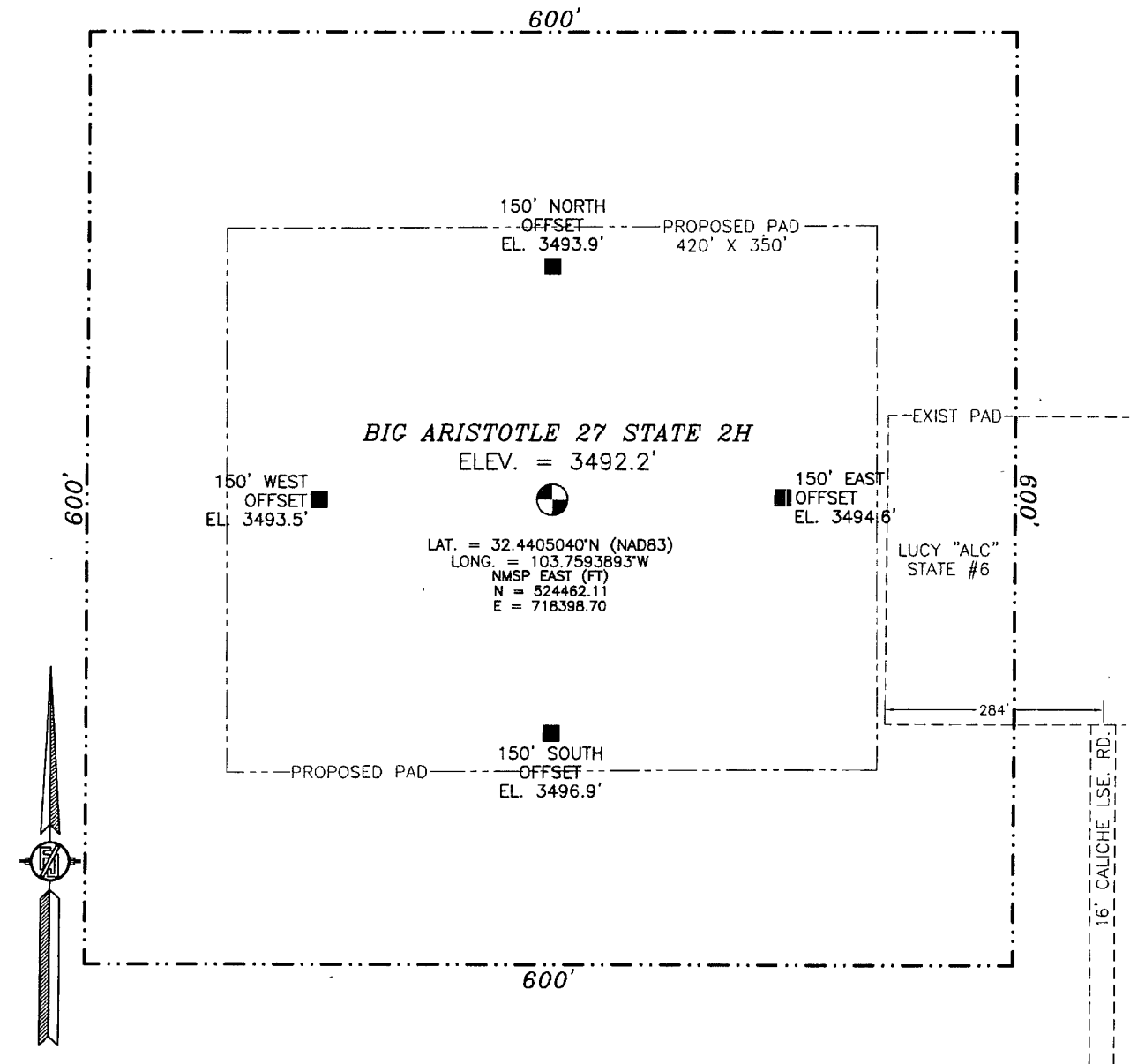
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A             | 27      | 21 S     | 31 E  |         | 330           | NORTH            | 660           | EAST           | EDDY   |

|                                      |                               |                                  |                         |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>160 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> 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>NW CORNER SEC. 27<br/>LAT. = 32.4568508°N<br/>LONG. = 103.7742689°W<br/>NMSP EAST (FT)<br/>N = 530384.76<br/>E = 713777.17</p> <p>SECTION CORNER<br/>LAT. = 32.4423277°N<br/>LONG. = 103.7742711°W<br/>NMSP EAST (FT)<br/>N = 525101.25<br/>E = 713804.14</p> <p>SW CORNER SEC. 34<br/>LAT. = 32.4278120°N<br/>LONG. = 103.7742753°W<br/>NMSP EAST (FT)<br/>N = 519820.43<br/>E = 713830.48</p> | <p>NE CORNER SEC. 27<br/>LAT. = 32.4568370°N<br/>LONG. = 103.7571414°W<br/>NMSP EAST (FT)<br/>N = 530407.84<br/>E = 719060.11</p> <p>SECTION CORNER<br/>LAT. = 32.4423165°N<br/>LONG. = 103.7571513°W<br/>NMSP EAST (FT)<br/>N = 525125.24<br/>E = 719085.58</p> <p>SE CORNER SEC. 34<br/>LAT. = 32.4278020°N<br/>LONG. = 103.7571637°W<br/>NMSP EAST (FT)<br/>N = 519844.84<br/>E = 719110.23</p> | <p><b>17 OPERATOR CERTIFICATION</b><br/>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 released 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> 3/22/12<br/>Signature Date<br/>Printed Name<br/>Judy A. Barnett Regulatory Specialist</p> <p><b>18 SURVEYOR CERTIFICATION</b><br/>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>December 18, 2011<br/>Date of Survey<br/><i>Adam R. O'Connell</i><br/>Signature and Seal of Professional Surveyor<br/>Certificate Number 12797<br/>NEW MEXICO<br/>SURVEY NO. 742</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

SECTION 34, TOWNSHIP 21 SOUTH, RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO



012 60 120 240

SCALE 1" = 120'

DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. 62/180 (HOBBS HWY.) AND LOUIS WHITLOCK ROAD TO WIPP SITE AT 0.85 MILES EAST OF MILE MARKER 64 ON U.S. 62/180 GO SOUTH ON LOUIS WHITLOCK ROAD 7.7 MILES TO A CALICHE LEASE RD ON LEFT (EAST) ABOUT 0.7 MILES SOUTH OF MILE MARKER 6 GO EAST ON CALICHE RD 0.35 MILES TO A CALICHE LEASE ROAD ON THE LEFT (NORTH) GO NORTH ON CALICHE ROAD 0.8 MILES SITE IS WEST OF EXISTING PAD (LUCY "ALC" STATE #6)

DEVON ENERGY PRODUCTION COMPANY, L.P.

**BIG ARISTOTLE 27 STATE 2H**

LOCATED 660 FT. FROM THE NORTH LINE  
AND 690 FT. FROM THE EAST LINE OF

SECTION 34, TOWNSHIP 21 SOUTH,  
RANGE 31 EAST, N.M.P.M.

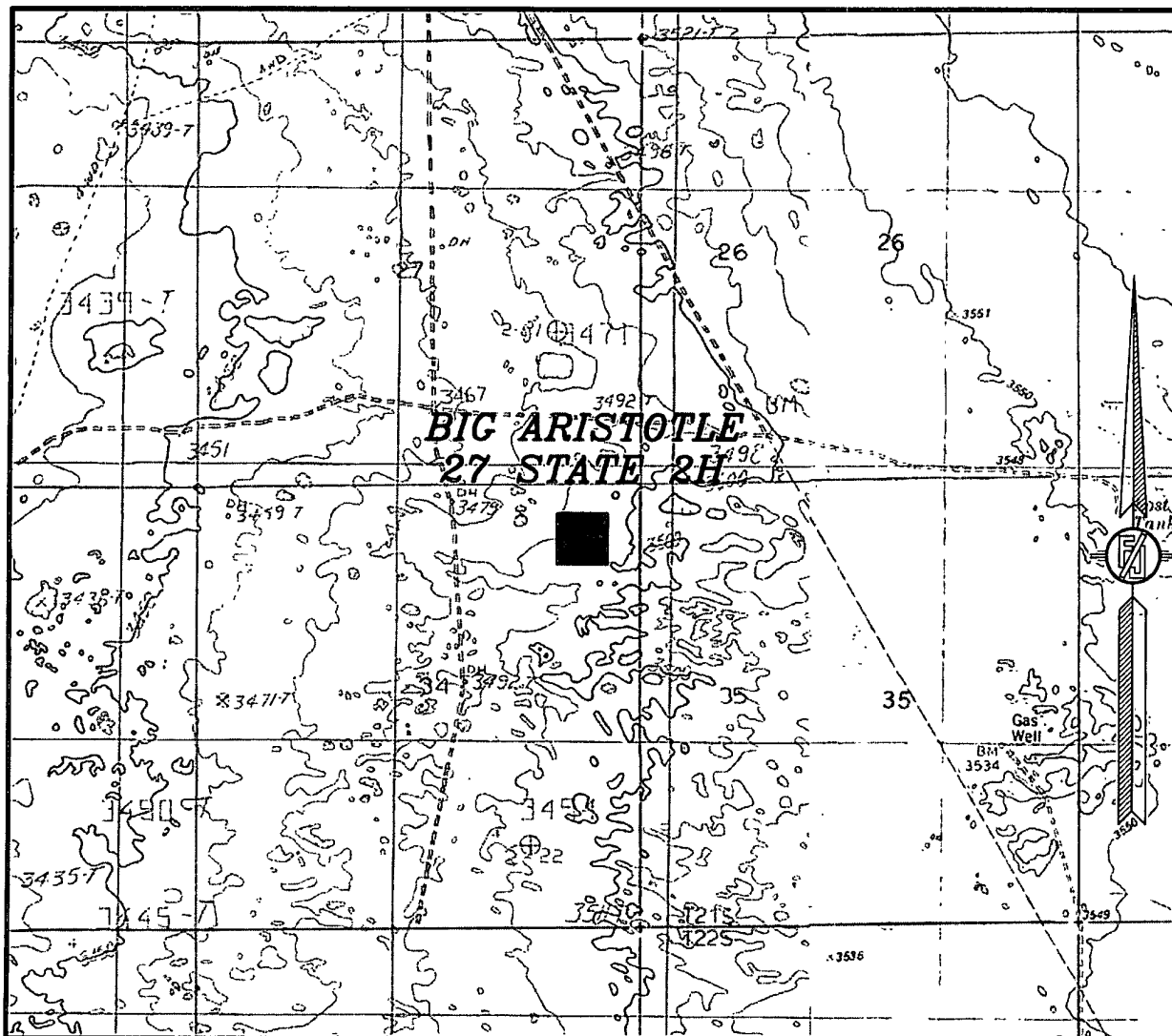
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 18, 2011

SURVEY NO. 742

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO  
(575) 234-3341

SECTION 34, TOWNSHIP 21 SOUTH, RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
LOCATION VERIFICATION MAP



CONTOUR INTERVAL:  
LIVINGSTON RIDGE

NOT TO SCALE

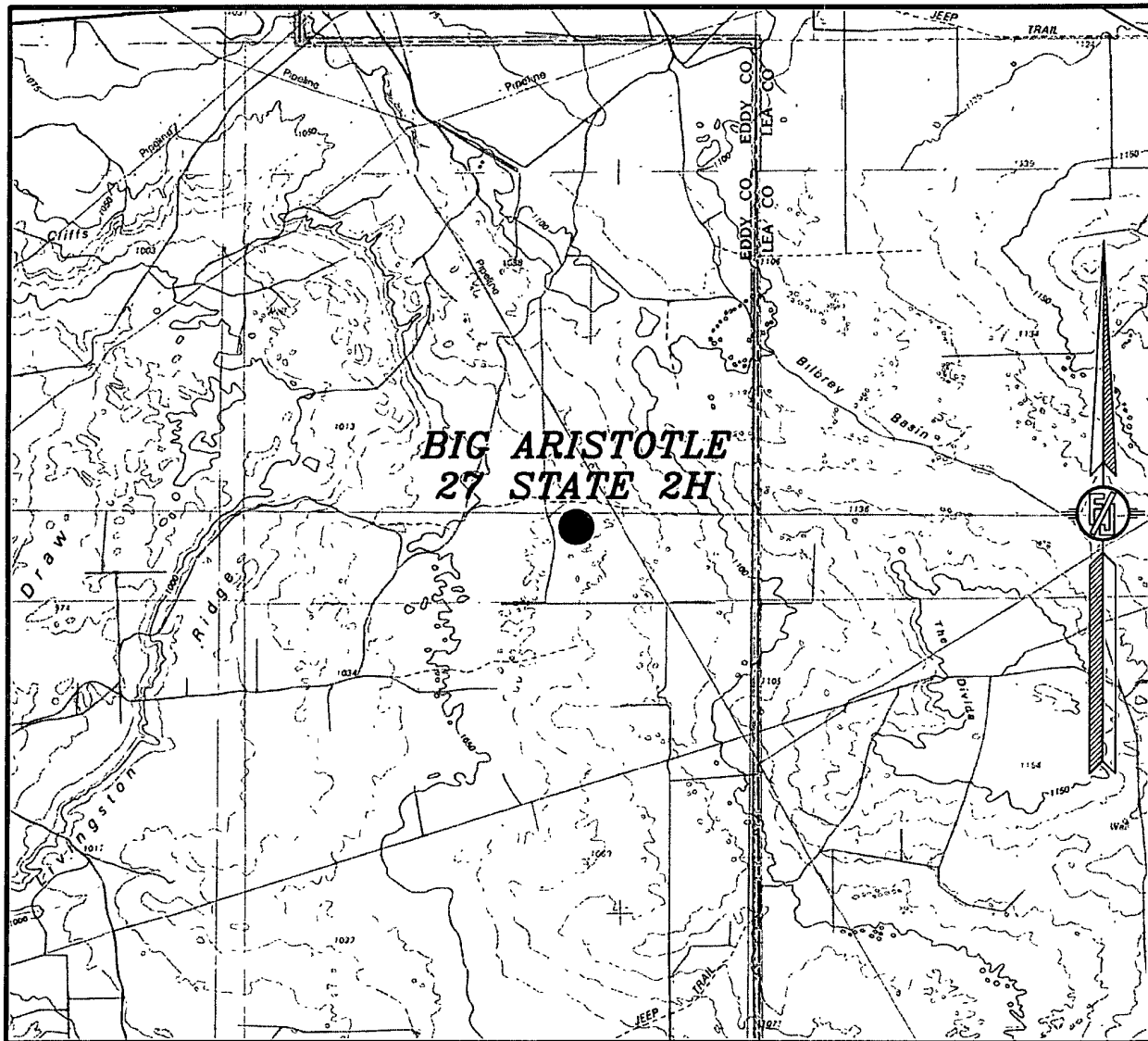
DEVON ENERGY PRODUCTION COMPANY, L.P.  
**BIG ARISTOTLE 27 STATE 2H**  
LOCATED 660 FT. FROM THE NORTH LINE  
AND 690 FT. FROM THE EAST LINE OF  
SECTION 34, TOWNSHIP 21 SOUTH,  
RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 18, 2011

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(575) 234-3341

SECTION 34, TOWNSHIP 21 SOUTH, RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO  
VICINITY MAP



NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.  
**BIG ARISTOTLE 27 STATE 2H**

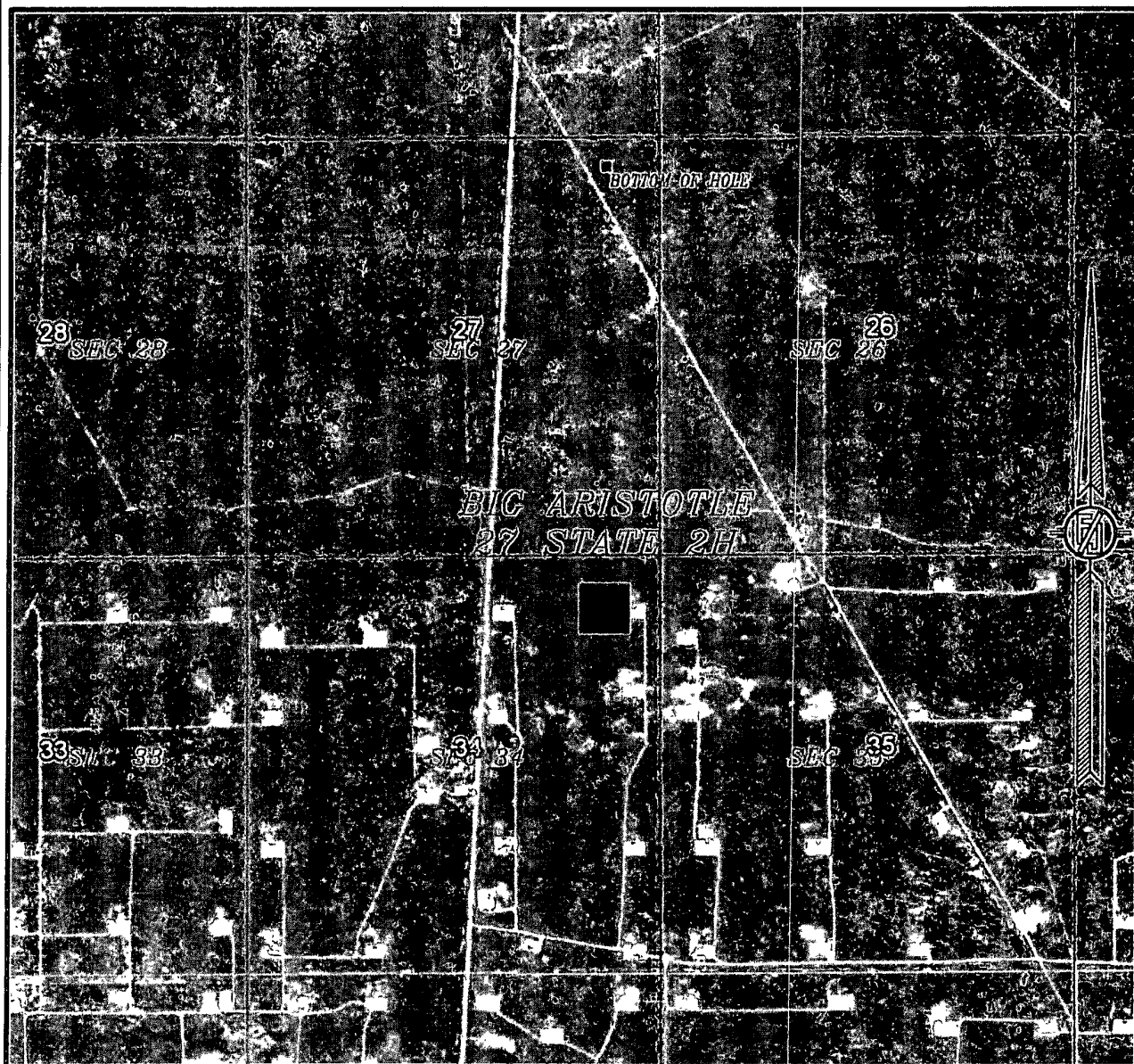
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RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 18, 2011

SURVEY NO. 742

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 34, TOWNSHIP 21 SOUTH, RANGE 31 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO  
 AERIAL PHOTO



NOT TO SCALE  
 AERIAL PHOTO:  
 GOOGLE EARTH  
 OCT, 2010

DEVON ENERGY PRODUCTION COMPANY, L.P.  
 BIG ARISTOTLE 27 STATE 2H

LOCATED 660 FT. FROM THE NORTH LINE  
 AND 690 FT. FROM THE EAST LINE OF  
 SECTION 34, TOWNSHIP 21 SOUTH,  
 RANGE 31 EAST, N.M.P.M.  
 EDDY COUNTY, STATE OF NEW MEXICO

DECEMBER 18, 2011

SURVEY NO. 742

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO



**Weatherford<sup>®</sup>**

## **Drilling Services**

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## **Proposal**

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**devon**

BIG ARISTOTLE 27 STATE #2H

EDDY COUNTY, NM

WELL FILE: **PLAN 1**

MARCH 21, 2012

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**Weatherford International, Ltd.**

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

[www.weatherford.com](http://www.weatherford.com)



Big Aristotle 27 State #2H  
Eddy Co., New Mexico

#### SECTION DETAILS

| Sec | MD       | Inc   | Azi  | TVD     | +N/-S   | +E/-W | DLeg  | TFace | VSec    | Target |
|-----|----------|-------|------|---------|---------|-------|-------|-------|---------|--------|
| 1   | 0.00     | 0.00  | 0.00 | 0.00    | 0.00    | 0.00  | 0.00  | 0.00  | 0.00    |        |
| 2   | 7377.05  | 0.00  | 0.00 | 7377.05 | 0.00    | 0.00  | 0.00  | 0.00  | 0.00    |        |
| 3   | 8279.32  | 90.23 | 0.00 | 7950.00 | 575.23  | 0.04  | 10.00 | 0.00  | 575.23  |        |
| 4   | 13317.34 | 90.23 | 0.00 | 7930.00 | 5613.21 | 0.36  | 0.00  | 0.00  | 5613.21 | PBHL   |

#### WELL DETAILS

| Name            | +N/-S | +E/-W | Northing  | Easting   | Latitude      | Longitude      | Slot |
|-----------------|-------|-------|-----------|-----------|---------------|----------------|------|
| BA 27 State #2H | 0.00  | 0.00  | 524462.11 | 718398.70 | 32°26'25.804N | 103°45'33.818W | N/A  |

#### TARGET DETAILS

| Name | TVD     | +N/-S   | +E/-W | Northing  | Easting   | Latitude      | Longitude      | Shape |
|------|---------|---------|-------|-----------|-----------|---------------|----------------|-------|
| PBHL | 7930.00 | 5613.21 | 0.36  | 530075.32 | 718399.06 | 32°27'21.348N | 103°45'33.462W | 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

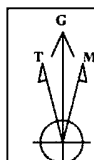
System Datum: Mean Sea Level  
Local North: Grid North

#### SITE DETAILS

Big Aristotle 27 State #2H

Site Centre Northing: 524462.11  
Easting: 718398.70

Ground Level: 3492.00  
Positional Uncertainty: 0.00  
Convergence: 0.31



Azimuths to Grid North  
True North: -0.31°  
Magnetic North: 7.22°

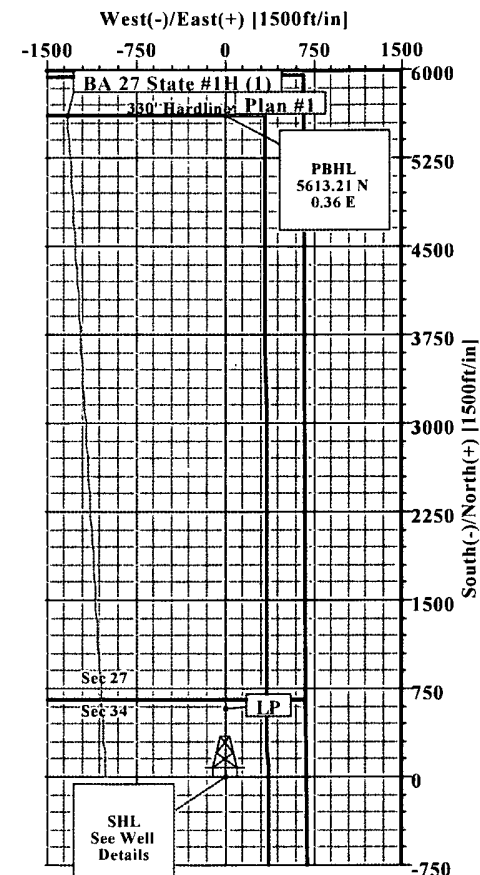
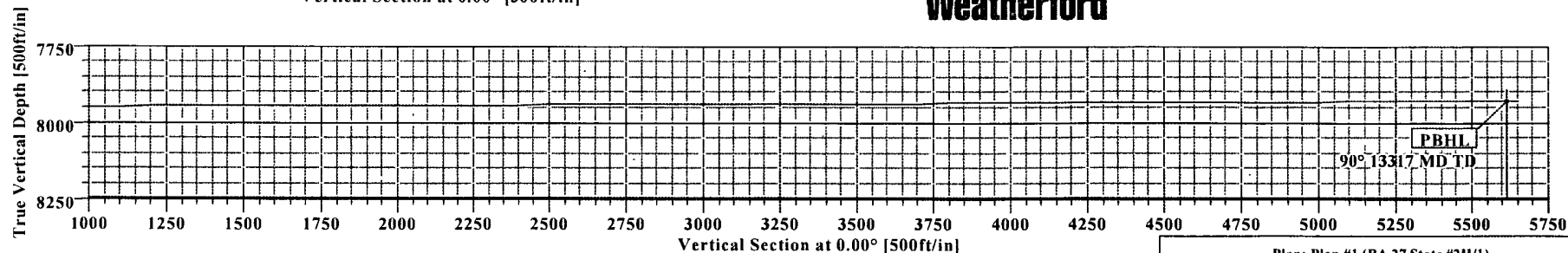
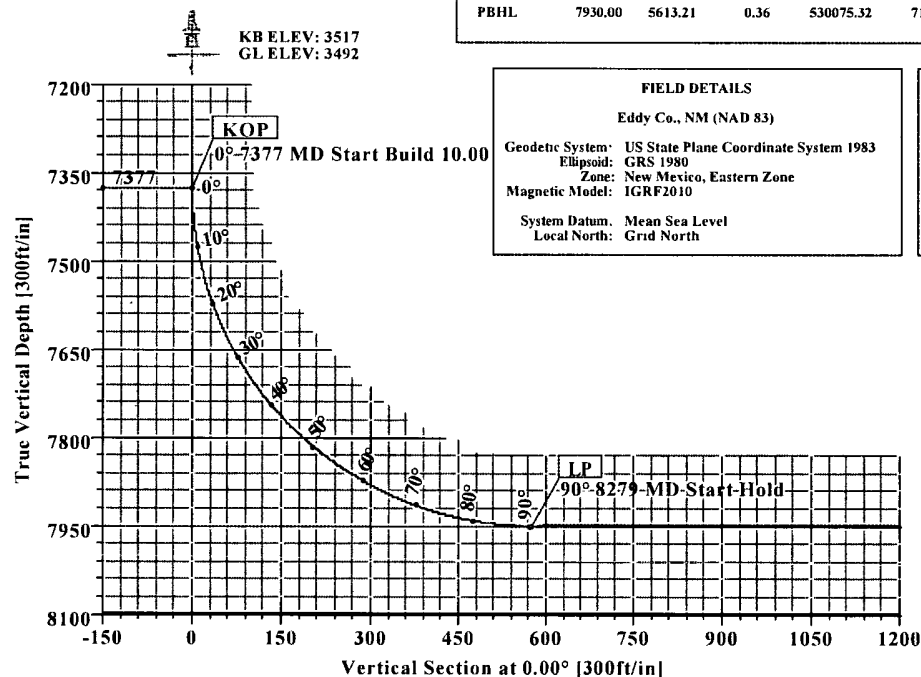
Magnetic Field  
Strength: 48618nT  
Dip Angle: 60.32°  
Date: 10/15/2012  
Model: IGRF2010  
Total Correction to Grid North: 7.22°

#### LEGEND

- BA 27 State #1H (1)
- Plan #1



Weatherford



Plan: Plan #1 (BA 27 State #2H/1)

Created By: Russell W. Joyner

Date: 3/21/2012



# Weatherford International Ltd.

## WFT Plan Report - X & Y's



|           |                            |                            |                                   |       |          |       |   |
|-----------|----------------------------|----------------------------|-----------------------------------|-------|----------|-------|---|
| Company:  | Devon Energy               | Date:                      | 3/21/2012                         | Time: | 07:57:27 | Page: | 1 |
| Field:    | Eddy Co., NM (NAD 83)      | Co-ordinate(NE) Reference: | Well: BA 27 State #2H, Grid North |       |          |       |   |
| Site:     | Big Aristotle 27 State #2H | Vertical (TVD) Reference:  | SITE 3517 0                       |       |          |       |   |
| Well:     | BA 27 State #2H            | Section (VS) Reference:    | Well (0 00N,0 00E,0.00Azi)        |       |          |       |   |
| Wellpath: | 1                          | Survey Calculation Method: | Minimum Curvature Db: Sybase      |       |          |       |   |

|            |         |                |              |
|------------|---------|----------------|--------------|
| Plan:      | Plan #1 | Date Composed: | 3/21/2012    |
| Principal: | Yes     | Version:       | 1            |
|            |         | Tied-to:       | From Surface |

Field: Eddy Co., NM (NAD 83)

|             |                                       |                    |                          |
|-------------|---------------------------------------|--------------------|--------------------------|
| Map System: | US State Plane Coordinate System 1983 | Map Zone:          | New Mexico, Eastern Zone |
| Geo Datum:  | GRS 1980                              | Coordinate System: | Well Centre              |
| Sys Datum:  | Mean Sea Level                        | Geomagnetic Model: | IGRF2010                 |

Site: Big Aristotle 27 State #2H

|                       |            |                   |              |            |                 |
|-----------------------|------------|-------------------|--------------|------------|-----------------|
| Site Position:        |            | Northing:         | 524462.11 ft | Latitude:  | 32 26 25.804 N  |
| From:                 | Map        | Easting:          | 718398.70 ft | Longitude: | 103 45 33.818 W |
| Position Uncertainty: | 0.00 ft    | North Reference:  | Grd          |            |                 |
| Ground Level:         | 3492.00 ft | Grid Convergence: | 0 31 deg     |            |                 |

|                       |                 |            |              |            |                 |
|-----------------------|-----------------|------------|--------------|------------|-----------------|
| Well:                 | BA 27 State #2H | Slot Name: |              |            |                 |
| Well Position:        | +N/-S 0.00 ft   | Northing:  | 524462.11 ft | Latitude:  | 32 26 25.804 N  |
|                       | +E/-W 0.00 ft   | Easting:   | 718398.70 ft | Longitude: | 103 45 33.818 W |
| Position Uncertainty: | 0.00 ft         |            |              |            |                 |

|                   |                  |                     |                |
|-------------------|------------------|---------------------|----------------|
| Wellpath:         | 1                | Drilled From:       | Surface        |
| Current Datum:    | SITE             | Tie-on Depth:       | 0.00 ft        |
| Magnetic Data:    | 10/15/2012       | Above System Datum: | Mean Sea Level |
| Field Strength:   | 48618 nT         | Declination:        | 7 53 deg       |
| Vertical Section: | Depth From (TVD) | Mag Dip Angle:      | 60.32 deg      |
|                   | ft               | +E/-W               | Direction      |
|                   |                  | ft                  | deg            |
|                   | 0.00             | 0.00                | 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        | 0.00        | 0.00      | 0.00        | 0.00        | 0.00             | 0.00               | 0.00              | 0.00       |        |
| 7377.05  | 0.00        | 0.00        | 7377.05   | 0.00        | 0.00        | 0.00             | 0.00               | 0.00              | 0.00       |        |
| 8279.32  | 90.23       | 0.00        | 7950.00   | 575.23      | 0.04        | 10.00            | 10.00              | 0.00              | 0.00       |        |
| 13317.34 | 90.23       | 0.00        | 7930.00   | 5613.21     | 0.36        | 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 |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|------------|------------|---------|
| 7300.00  | 0.00        | 0.00        | 7300.00   | 0.00      | 0.00      | 0.00     | 0.00             | 524462.11  | 718398.70  | KOP     |
| 7377.05  | 0.00        | 0.00        | 7377.05   | 0.00      | 0.00      | 0.00     | 0.00             | 524462.11  | 718398.70  |         |
| 7400.00  | 2.30        | 0.00        | 7399.99   | 0.46      | 0.00      | 0.46     | 10.00            | 524462.57  | 718398.70  |         |
| 7500.00  | 12.30       | 0.00        | 7499.06   | 13.14     | 0.00      | 13.14    | 10.00            | 524475.25  | 718398.70  |         |
| 7600.00  | 22.30       | 0.00        | 7594.42   | 42.83     | 0.00      | 42.83    | 10.00            | 524504.94  | 718398.70  |         |
| 7700.00  | 32.30       | 0.00        | 7683.17   | 88.63     | 0.01      | 88.63    | 10.00            | 524550.74  | 718398.71  | LP      |
| 7800.00  | 42.30       | 0.00        | 7762.62   | 149.15    | 0.01      | 149.15   | 10.00            | 524611.26  | 718398.71  |         |
| 7900.00  | 52.30       | 0.00        | 7830.36   | 222.54    | 0.01      | 222.54   | 10.00            | 524684.65  | 718398.71  |         |
| 8000.00  | 62.30       | 0.00        | 7884.32   | 306.58    | 0.02      | 306.58   | 10.00            | 524768.69  | 718398.72  |         |
| 8100.00  | 72.30       | 0.00        | 7922.87   | 398.71    | 0.03      | 398.71   | 10.00            | 524860.82  | 718398.73  |         |
| 8200.00  | 82.30       | 0.00        | 7944.83   | 496.14    | 0.03      | 496.14   | 10.00            | 524958.25  | 718398.73  |         |
| 8279.32  | 90.23       | 0.00        | 7950.00   | 575.23    | 0.04      | 575.23   | 10.00            | 525037.34  | 718398.74  |         |
| 8300.00  | 90.23       | 0.00        | 7949.92   | 595.91    | 0.04      | 595.91   | 0.00             | 525058.02  | 718398.74  |         |
| 8400.00  | 90.23       | 0.00        | 7949.52   | 695.91    | 0.04      | 695.91   | 0.00             | 525158.02  | 718398.74  |         |
| 8500.00  | 90.23       | 0.00        | 7949.13   | 795.91    | 0.05      | 795.91   | 0.00             | 525258.02  | 718398.75  |         |
| 8600.00  | 90.23       | 0.00        | 7948.73   | 895.91    | 0.06      | 895.91   | 0.00             | 525358.02  | 718398.76  |         |
| 8700.00  | 90.23       | 0.00        | 7948.33   | 995.90    | 0.06      | 995.90   | 0.00             | 525458.01  | 718398.76  |         |



# Weatherford International Ltd.

## WFT Plan Report - X & Y's



|                                  |                            |                                   |            |
|----------------------------------|----------------------------|-----------------------------------|------------|
| Company: Devon Energy            | Date: 3/21/2012            | Time: 07 57 27                    | Page: 2    |
| Field: Eddy Co., NM (NAD 83)     | Co-ordinate(NE) Reference: | Well: BA 27 State #2H, Grid North |            |
| Site: Big Aristotle 27 State #2H | Vertical (TVD) Reference:  | SITE 3517.0                       |            |
| Well: BA 27 State #2H            | Section (VS) Reference:    | Well (0.00N,0.00E,0.00Azi)        |            |
| 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 |
|----------|-------------|-------------|-----------|-----------|-----------|----------|------------------|------------|------------|---------|
| 8800.00  | 90.23       | 0.00        | 7947.94   | 1095.90   | 0.07      | 1095.90  | 0.00             | 525558.01  | 718398.77  |         |
| 8900.00  | 90.23       | 0.00        | 7947.54   | 1195.90   | 0.08      | 1195.90  | 0.00             | 525658.01  | 718398.78  |         |
| 9000.00  | 90.23       | 0.00        | 7947.14   | 1295.90   | 0.08      | 1295.90  | 0.00             | 525758.01  | 718398.78  |         |
| 9100.00  | 90.23       | 0.00        | 7946.74   | 1395.90   | 0.09      | 1395.90  | 0.00             | 525858.01  | 718398.79  |         |
| 9200.00  | 90.23       | 0.00        | 7946.35   | 1495.90   | 0.10      | 1495.90  | 0.00             | 525958.01  | 718398.80  |         |
| 9300.00  | 90.23       | 0.00        | 7945.95   | 1595.90   | 0.10      | 1595.90  | 0.00             | 526058.01  | 718398.80  |         |
| 9400.00  | 90.23       | 0.00        | 7945.55   | 1695.90   | 0.11      | 1695.90  | 0.00             | 526158.01  | 718398.81  |         |
| 9500.00  | 90.23       | 0.00        | 7945.16   | 1795.90   | 0.12      | 1795.90  | 0.00             | 526258.01  | 718398.82  |         |
| 9600.00  | 90.23       | 0.00        | 7944.76   | 1895.90   | 0.12      | 1895.90  | 0.00             | 526358.01  | 718398.82  |         |
| 9700.00  | 90.23       | 0.00        | 7944.36   | 1995.90   | 0.13      | 1995.90  | 0.00             | 526458.01  | 718398.83  |         |
| 9800.00  | 90.23       | 0.00        | 7943.97   | 2095.90   | 0.13      | 2095.90  | 0.00             | 526558.01  | 718398.83  |         |
| 9900.00  | 90.23       | 0.00        | 7943.57   | 2195.90   | 0.14      | 2195.90  | 0.00             | 526658.01  | 718398.84  |         |
| 10000.00 | 90.23       | 0.00        | 7943.17   | 2295.89   | 0.15      | 2295.89  | 0.00             | 526758.00  | 718398.85  |         |
| 10100.00 | 90.23       | 0.00        | 7942.77   | 2395.89   | 0.15      | 2395.89  | 0.00             | 526858.00  | 718398.85  |         |
| 10200.00 | 90.23       | 0.00        | 7942.38   | 2495.89   | 0.16      | 2495.89  | 0.00             | 526958.00  | 718398.86  |         |
| 10300.00 | 90.23       | 0.00        | 7941.98   | 2595.89   | 0.17      | 2595.89  | 0.00             | 527058.00  | 718398.87  |         |
| 10400.00 | 90.23       | 0.00        | 7941.58   | 2695.89   | 0.17      | 2695.89  | 0.00             | 527158.00  | 718398.87  |         |
| 10500.00 | 90.23       | 0.00        | 7941.19   | 2795.89   | 0.18      | 2795.89  | 0.00             | 527258.00  | 718398.88  |         |
| 10600.00 | 90.23       | 0.00        | 7940.79   | 2895.89   | 0.19      | 2895.89  | 0.00             | 527358.00  | 718398.89  |         |
| 10700.00 | 90.23       | 0.00        | 7940.39   | 2995.89   | 0.19      | 2995.89  | 0.00             | 527458.00  | 718398.89  |         |
| 10800.00 | 90.23       | 0.00        | 7940.00   | 3095.89   | 0.20      | 3095.89  | 0.00             | 527558.00  | 718398.90  |         |
| 10900.00 | 90.23       | 0.00        | 7939.60   | 3195.89   | 0.20      | 3195.89  | 0.00             | 527658.00  | 718398.90  |         |
| 11000.00 | 90.23       | 0.00        | 7939.20   | 3295.89   | 0.21      | 3295.89  | 0.00             | 527758.00  | 718398.91  |         |
| 11100.00 | 90.23       | 0.00        | 7938.80   | 3395.89   | 0.22      | 3395.89  | 0.00             | 527858.00  | 718398.92  |         |
| 11200.00 | 90.23       | 0.00        | 7938.41   | 3495.88   | 0.22      | 3495.88  | 0.00             | 527957.99  | 718398.92  |         |
| 11300.00 | 90.23       | 0.00        | 7938.01   | 3595.88   | 0.23      | 3595.88  | 0.00             | 528057.99  | 718398.93  |         |
| 11400.00 | 90.23       | 0.00        | 7937.61   | 3695.88   | 0.24      | 3695.88  | 0.00             | 528157.99  | 718398.94  |         |
| 11500.00 | 90.23       | 0.00        | 7937.22   | 3795.88   | 0.24      | 3795.88  | 0.00             | 528257.99  | 718398.94  |         |
| 11600.00 | 90.23       | 0.00        | 7936.82   | 3895.88   | 0.25      | 3895.88  | 0.00             | 528357.99  | 718398.95  |         |
| 11700.00 | 90.23       | 0.00        | 7936.42   | 3995.88   | 0.26      | 3995.88  | 0.00             | 528457.99  | 718398.96  |         |
| 11800.00 | 90.23       | 0.00        | 7936.02   | 4095.88   | 0.26      | 4095.88  | 0.00             | 528557.99  | 718398.96  |         |
| 11900.00 | 90.23       | 0.00        | 7935.63   | 4195.88   | 0.27      | 4195.88  | 0.00             | 528657.99  | 718398.97  |         |
| 12000.00 | 90.23       | 0.00        | 7935.23   | 4295.88   | 0.28      | 4295.88  | 0.00             | 528757.99  | 718398.98  |         |
| 12100.00 | 90.23       | 0.00        | 7934.83   | 4395.88   | 0.28      | 4395.88  | 0.00             | 528857.99  | 718398.98  |         |
| 12200.00 | 90.23       | 0.00        | 7934.44   | 4495.88   | 0.29      | 4495.88  | 0.00             | 528957.99  | 718398.99  |         |
| 12300.00 | 90.23       | 0.00        | 7934.04   | 4595.88   | 0.29      | 4595.88  | 0.00             | 529057.99  | 718398.99  |         |
| 12400.00 | 90.23       | 0.00        | 7933.64   | 4695.88   | 0.30      | 4695.88  | 0.00             | 529157.99  | 718399.00  |         |
| 12500.00 | 90.23       | 0.00        | 7933.25   | 4795.87   | 0.31      | 4795.87  | 0.00             | 529257.98  | 718399.01  |         |
| 12600.00 | 90.23       | 0.00        | 7932.85   | 4895.87   | 0.31      | 4895.87  | 0.00             | 529357.98  | 718399.01  |         |
| 12700.00 | 90.23       | 0.00        | 7932.45   | 4995.87   | 0.32      | 4995.87  | 0.00             | 529457.98  | 718399.02  |         |
| 12800.00 | 90.23       | 0.00        | 7932.05   | 5095.87   | 0.33      | 5095.87  | 0.00             | 529557.98  | 718399.03  |         |
| 12900.00 | 90.23       | 0.00        | 7931.66   | 5195.87   | 0.33      | 5195.87  | 0.00             | 529657.98  | 718399.03  |         |
| 13000.00 | 90.23       | 0.00        | 7931.26   | 5295.87   | 0.34      | 5295.87  | 0.00             | 529757.98  | 718399.04  |         |
| 13100.00 | 90.23       | 0.00        | 7930.86   | 5395.87   | 0.35      | 5395.87  | 0.00             | 529857.98  | 718399.05  |         |
| 13200.00 | 90.23       | 0.00        | 7930.47   | 5495.87   | 0.35      | 5495.87  | 0.00             | 529957.98  | 718399.05  |         |
| 13300.00 | 90.23       | 0.00        | 7930.07   | 5595.87   | 0.36      | 5595.87  | 0.00             | 530057.98  | 718399.06  |         |
| 13317.34 | 90.23       | 0.00        | 7930.00   | 5613.21   | 0.36      | 5613.21  | 0.00             | 530075.32  | 718399.06  | PBHL    |



# Weatherford International Ltd.

## WFT Plan Report - X & Y's



Company: Devon Energy  
Field: Eddy Co , NM (NAD 83)  
Site: Big Aristotle 27 State #2H  
Well: BA 27 State #2H  
Wellpath: 1

Date: 3/21/2012 Time: 07 57 27 Page: 3  
Co-ordinate(NE) Reference: Well: BA 27 State #2H, Grd North  
Vertical (TVD) Reference: SITE 3517.0  
Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)  
Survey Calculation Method: Minimum Curvature Db: Sybase

### 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 |                     |      | 7930.00   | 5613.21     | 0.36        | 530075.32             | 718399.06            | 32 27 21 348 N                    | 103 45 33 462 W                    |

### Casing Points

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

### Annotation

| MD<br>ft | TVD<br>ft |      |
|----------|-----------|------|
| 7377.05  | 7377.05   | KOP  |
| 8279.32  | 7950.00   | LP   |
| 13317.34 | 7930.00   | PBHL |

### Formations

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

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

GeoDec v5.03

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Report Date: March 21, 2012  
Job Number: \_\_\_\_\_  
Customer: Devon Energy  
Well Name: Big Aristotle 27 State #2H  
API Number: \_\_\_\_\_  
Rig Name: \_\_\_\_\_  
Location: Eddy Co., NM  
Block: \_\_\_\_\_  
Engineer: RWJ

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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 524462.110 USFT                  | Latitude 32.4405039 DEG                     |
| East/West 718398.700 USFT                    | Longitude -103.7593893 DEG                  |
| Grid Convergence: 31°                        |                                             |
| Total Correction: +7.22°                     |                                             |

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|                         |              |                        |
|-------------------------|--------------|------------------------|
| Geodetic Location WGS84 | Elevation =  | 0.0 Meters             |
| Latitude =              | 32.44050° N  | 32° 26 min 25.814 sec  |
| Longitude =             | 103.75939° W | 103° 45 min 33.802 sec |

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|                        |              |                              |
|------------------------|--------------|------------------------------|
| Magnetic Declination = | 7.53°        | [True North Offset]          |
| Local Gravity =        | .9988 g      | Checksum = 6510              |
| Local Field Strength = | 48614 nT     | Magnetic Vector X = 23862 nT |
| Magnetic Dip =         | 60.32°       | Magnetic Vector Y = 3153 nT  |
| Magnetic Model =       | IGRF-2010g11 | Magnetic Vector Z = 42237 nT |
| Spud Date =            | Oct 15, 2012 | Magnetic Vector H = 24070 nT |

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

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