



**PHOENIX**  
TECHNOLOGY SERVICES

January 12, 2016

Oil Conservation Division  
State of New Mexico  
811 S. First St.  
Artesia, New Mexico 88210

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
FEB 17 2016

Dear District 2 - Artesia

RECEIVED

Attention: Regulatory Department

Re: Apache Corporation  
Tony Federal #49D  
Eddy County, NM  
API #30-015-43468  
Job No. 1514801

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

| Name & Title of Surveyor | Drain Hole Number | Surveyed Depths |       | Dates Performed |          | Type of Survey |
|--------------------------|-------------------|-----------------|-------|-----------------|----------|----------------|
|                          |                   | From            | To    | Start           | End      |                |
| Bernard Caldwell         | 49D               | 3,547           | 6,385 | 12/30/15        | 01/01/16 | MWD            |

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

*Claudia Carreon*

Claudia Carreon  
Operations Administrator

Certified mail receipt number: 7015 0640 0000 9907 5241

Phoenix Technology Services  
SURVEY DATA CERTIFICATION

FEB 17 2016  
RECEIVED



PHOENIX JOB NUMBER

1514801

ENERGY COMPANY

Apache Corp

WELL NAME

Tony Federal #49D

COUNTY & STATE

Eddy County, NM

API WELL NUMBER

30-015-43468

PROPOSED DIRECTION

266.08

| TIE-IN DATA |             |        |         |           |          |              |
|-------------|-------------|--------|---------|-----------|----------|--------------|
| MEASURED    | VERTICAL    |        |         | N-S       | E-W      | DATA         |
| DEPTH       | DEPTH       | INCLIN | AZIMUTH | COORD     | COORD    | SOURCE       |
| 3,433.00 ft | 3,432.25 ft | 0.75   | 272.88  | -47.98 ft | -7.50 ft | Phoenix Gyro |

| FIRST     | FIRST       |        |         |
|-----------|-------------|--------|---------|
| SURVEY    | SURVEY      |        |         |
| DATE      | DEPTH       | INCLIN | AZIMUTH |
| 30-Dec-15 | 3,547.00 ft | 1.10   | 255.20  |

SURVEY INSTRUMENT  
TYPE

Phoenix MWD

| LAST     | LAST        |        |         |
|----------|-------------|--------|---------|
| SURVEY   | SURVEY      |        |         |
| DATE     | DEPTH       | INCLIN | AZIMUTH |
| 1-Jan-16 | 6,385.00 ft | 10.20  | 274.50  |

TO THE BEST OF MY KNOWLEDGE I  
CERTIFY THIS SURVEY DATA TO BE  
TRUE AND CORRECT.

| PROJECTED | PROJECTED   |        |         |
|-----------|-------------|--------|---------|
| TD SURVEY | TD SURVEY   |        |         |
| DATE      | DEPTH       | INCLIN | AZIMUTH |
| 1-Jan-16  | 6,445.00 ft | 10.20  | 274.50  |

Bernard Caldwell

PRINT YOUR NAME ABOVE

*Bernard Caldwell*

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

| TOTAL CORRECTION USED |      |
|-----------------------|------|
|                       | 7.40 |
| DECLINATION OR GRID   | GRID |
|                       |      |

01/01/16

TODAY'S DATE

MWD SUPERVISOR 1

Bernard Caldwell

DIRECTIONAL DRILLER 1

Michael Crall

MWD SUPERVISOR 2

0

DIRECTIONAL DRILLER 2

David Hayden



# Apache Corporation

Eddy County, NM (NAD27 NME)

Tony Federal

#49D

OH / Job #1514801

Survey: Phoenix MWD Surveys

**NM OIL CONSERVATION**

ARTESIA DISTRICT

FEB 17 2016

RECEIVED

## Standard Survey Report

01 January, 2016



|                  |                             |                                     |                                |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | Apache Corporation          | <b>Local Co-ordinate Reference:</b> | Well #49D                      |
| <b>Project:</b>  | Eddy County, NM (NAD27 NME) | <b>TVD Reference:</b>               | KB @ 3711.00usft (Capstar 114) |
| <b>Site:</b>     | Tony Federal                | <b>MD Reference:</b>                | KB @ 3711.00usft (Capstar 114) |
| <b>Well:</b>     | #49D                        | <b>North Reference:</b>             | Grid                           |
| <b>Wellbore:</b> | OH / Job #1514801           | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Design:</b>   | Surveys (Capstar 114)       | <b>Database:</b>                    | Compass 5000 GCR               |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy County, NM (NAD27 NME)          |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | New Mexico East 3001                 |                      |                |

|             |              |  |  |
|-------------|--------------|--|--|
| <b>Site</b> | Tony Federal |  |  |
|-------------|--------------|--|--|

|                              |           |                     |                 |                          |                     |
|------------------------------|-----------|---------------------|-----------------|--------------------------|---------------------|
| <b>Site Position:</b>        |           | <b>Northing:</b>    | 666,516.20 usft | <b>Latitude:</b>         | 32° 49' 53.88921 N  |
| <b>From:</b>                 | Map       | <b>Easting:</b>     | 628,898.80 usft | <b>Longitude:</b>        | 103° 54' 49.29676 W |
| <b>Position Uncertainty:</b> | 0.00 usft | <b>Slot Radius:</b> | 13-3/16 "       | <b>Grid Convergence:</b> | 0.23 °              |

|                             |           |           |                            |                 |                                       |
|-----------------------------|-----------|-----------|----------------------------|-----------------|---------------------------------------|
| <b>Well</b>                 | #49D      |           |                            |                 |                                       |
| <b>Well Position</b>        | +N/-S     | 0.00 usft | <b>Northing:</b>           | 666,697.70 usft | <b>Latitude:</b> 32° 49' 55.57846 N   |
|                             | +E/-W     | 0.00 usft | <b>Easting:</b>            | 631,586.70 usft | <b>Longitude:</b> 103° 54' 17.78650 W |
| <b>Position Uncertainty</b> | 0.00 usft |           | <b>Wellhead Elevation:</b> | 0.00 usft       | <b>Ground Level:</b> 3,700.00 usft    |

|                 |                   |  |  |  |  |
|-----------------|-------------------|--|--|--|--|
| <b>Wellbore</b> | OH / Job #1514801 |  |  |  |  |
|-----------------|-------------------|--|--|--|--|

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
|           | HDGM       | 12/21/2015  | 7.63            | 60.77         | 48,531              |

|               |                       |  |  |  |  |
|---------------|-----------------------|--|--|--|--|
| <b>Design</b> | Surveys (Capstar 114) |  |  |  |  |
|---------------|-----------------------|--|--|--|--|

|                     |     |               |        |                      |      |
|---------------------|-----|---------------|--------|----------------------|------|
| <b>Audit Notes:</b> |     |               |        |                      |      |
| <b>Version:</b>     | 1.0 | <b>Phase:</b> | ACTUAL | <b>Tie On Depth:</b> | 0.00 |

| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
|-------------------|-------------------------|--------------|--------------|---------------|
|                   | 0.00                    | 0.00         | 0.00         | 269.64        |

| Survey Program |           | Date 1/1/2016                          |              |                                   |  |
|----------------|-----------|----------------------------------------|--------------|-----------------------------------|--|
| From (usft)    | To (usft) | Survey (Wellbore)                      | Tool Name    | Description                       |  |
| 100.00         | 3,433.00  | Phoenix Gyro Surveys (OH / Job #151480 | PHX_SPT_GTD  | PHX Continuous north-seeking gyro |  |
| 3,547.00       | 6,445.00  | Phoenix MWD Surveys (OH / Job #151480  | PHX+MWD+HDGM | PHX+OWSG MWD + HDGM               |  |

| Survey                                |                 |             |                       |              |              |                         |                         |                        |                       |
|---------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                 | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 3,433.00                              | 0.75            | 272.88      | 3,432.25              | -47.98       | -7.50        | 7.80                    | 0.00                    | 0.00                   | 0.00                  |
| <b>Tie In to Phoenix Gyro Surveys</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,547.00                              | 1.10            | 255.20      | 3,546.23              | -48.22       | -9.30        | 9.60                    | 0.39                    | 0.31                   | -15.51                |
| <b>First Phoenix MWD Survey</b>       |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,589.00                              | 1.50            | 248.90      | 3,588.22              | -48.52       | -10.20       | 10.50                   | 1.01                    | 0.95                   | -15.00                |
| 3,632.00                              | 3.00            | 281.10      | 3,631.19              | -48.51       | -11.83       | 12.13                   | 4.43                    | 3.49                   | 74.88                 |
| 3,674.00                              | 3.10            | 282.30      | 3,673.13              | -48.06       | -14.02       | 14.32                   | 0.28                    | 0.24                   | 2.86                  |
| 3,717.00                              | 4.80            | 278.10      | 3,716.03              | -47.55       | -16.94       | 17.23                   | 4.01                    | 3.95                   | -9.77                 |
| 3,760.00                              | 6.20            | 275.30      | 3,758.83              | -47.09       | -21.03       | 21.32                   | 3.31                    | 3.26                   | -6.51                 |

|                  |                             |                                     |                                |
|------------------|-----------------------------|-------------------------------------|--------------------------------|
| <b>Company:</b>  | Apache Corporation          | <b>Local Co-ordinate Reference:</b> | Well #49D                      |
| <b>Project:</b>  | Eddy County, NM (NAD27 NME) | <b>TVD Reference:</b>               | KB @ 3711.00usft (Capstar 114) |
| <b>Site:</b>     | Tony Federal                | <b>MD Reference:</b>                | KB @ 3711.00usft (Capstar 114) |
| <b>Well:</b>     | #49D                        | <b>North Reference:</b>             | Grid                           |
| <b>Wellbore:</b> | OH / Job #1514801           | <b>Survey Calculation Method:</b>   | Minimum Curvature              |
| <b>Design:</b>   | Surveys (Capstar 114)       | <b>Database:</b>                    | Compass 5000 GCR               |

| Survey                          |                 |             |                       |              |              |                         |                         |                        |                       |
|---------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)           | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 3,802.00                        | 6.20            | 275.20      | 3,800.58              | -46.67       | -25.55       | 25.84                   | 0.03                    | 0.00                   | -0.24                 |
| 3,845.00                        | 6.20            | 274.50      | 3,843.33              | -46.28       | -30.18       | 30.46                   | 0.18                    | 0.00                   | -1.63                 |
| 3,888.00                        | 7.50            | 274.90      | 3,886.02              | -45.86       | -35.29       | 35.57                   | 3.03                    | 3.02                   | 0.93                  |
| 3,931.00                        | 7.40            | 273.20      | 3,928.66              | -45.46       | -40.85       | 41.13                   | 0.56                    | -0.23                  | -3.95                 |
| 3,973.00                        | 7.50            | 273.00      | 3,970.30              | -45.17       | -46.29       | 46.57                   | 0.25                    | 0.24                   | -0.48                 |
| 4,016.00                        | 9.00            | 273.40      | 4,012.86              | -44.82       | -52.45       | 52.72                   | 3.49                    | 3.49                   | 0.93                  |
| 4,058.00                        | 10.20           | 276.90      | 4,054.27              | -44.18       | -59.42       | 59.69                   | 3.18                    | 2.86                   | 8.33                  |
| 4,101.00                        | 10.20           | 277.20      | 4,096.59              | -43.25       | -66.97       | 67.24                   | 0.12                    | 0.00                   | 0.70                  |
| 4,229.00                        | 10.20           | 275.40      | 4,222.57              | -40.76       | -89.50       | 89.75                   | 0.25                    | 0.00                   | -1.41                 |
| 4,357.00                        | 9.80            | 276.00      | 4,348.62              | -38.55       | -111.62      | 111.86                  | 0.32                    | -0.31                  | 0.47                  |
| 4,485.00                        | 10.60           | 275.90      | 4,474.60              | -36.20       | -134.16      | 134.39                  | 0.63                    | 0.63                   | -0.08                 |
| 4,613.00                        | 10.50           | 275.50      | 4,600.43              | -33.88       | -157.48      | 157.69                  | 0.10                    | -0.08                  | -0.31                 |
| 4,741.00                        | 10.20           | 275.30      | 4,726.35              | -31.71       | -180.38      | 180.57                  | 0.24                    | -0.23                  | -0.16                 |
| 4,869.00                        | 10.40           | 275.50      | 4,852.29              | -29.56       | -203.16      | 203.34                  | 0.16                    | 0.16                   | 0.16                  |
| 4,997.00                        | 11.40           | 275.70      | 4,977.98              | -27.19       | -227.25      | 227.42                  | 0.78                    | 0.78                   | 0.16                  |
| 5,125.00                        | 11.20           | 274.80      | 5,103.50              | -24.90       | -252.23      | 252.38                  | 0.21                    | -0.16                  | -0.70                 |
| 5,253.00                        | 10.70           | 274.10      | 5,229.17              | -23.01       | -276.47      | 276.60                  | 0.40                    | -0.39                  | -0.55                 |
| 5,381.00                        | 10.60           | 273.70      | 5,354.96              | -21.40       | -300.07      | 300.19                  | 0.10                    | -0.08                  | -0.31                 |
| 5,509.00                        | 9.90            | 274.90      | 5,480.92              | -19.70       | -322.78      | 322.89                  | 0.57                    | -0.55                  | 0.94                  |
| 5,637.00                        | 11.40           | 275.50      | 5,606.71              | -17.55       | -346.33      | 346.44                  | 1.18                    | 1.17                   | 0.47                  |
| 5,765.00                        | 11.30           | 274.90      | 5,732.21              | -15.26       | -371.42      | 371.51                  | 0.12                    | -0.08                  | -0.47                 |
| 5,893.00                        | 11.10           | 275.50      | 5,857.77              | -13.01       | -396.18      | 396.25                  | 0.18                    | -0.16                  | 0.47                  |
| 6,021.00                        | 10.80           | 275.60      | 5,983.44              | -10.66       | -420.38      | 420.44                  | 0.23                    | -0.23                  | 0.08                  |
| 6,149.00                        | 10.40           | 275.70      | 6,109.25              | -8.34        | -443.81      | 443.86                  | 0.31                    | -0.31                  | 0.08                  |
| 6,277.00                        | 10.30           | 275.50      | 6,235.17              | -6.10        | -466.70      | 466.73                  | 0.08                    | -0.08                  | -0.16                 |
| 6,385.00                        | 10.20           | 274.50      | 6,341.45              | -4.42        | -485.84      | 485.86                  | 0.19                    | -0.09                  | -0.93                 |
| <b>Final Phoenix MWD Survey</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,445.00                        | 10.20           | 274.50      | 6,400.50              | -3.59        | -496.44      | 496.45                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Projection to TD</b>         |                 |             |                       |              |              |                         |                         |                        |                       |

| Survey Annotations    |                       |                   |              |                                |
|-----------------------|-----------------------|-------------------|--------------|--------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                        |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                |
| 3,433.00              | 3,432.25              | -47.98            | -7.50        | Tie In to Phoenix Gyro Surveys |
| 3,547.00              | 3,546.23              | -48.22            | -9.30        | First Phoenix MWD Survey       |
| 6,385.00              | 6,341.45              | -4.42             | -485.84      | Final Phoenix MWD Survey       |
| 6,445.00              | 6,400.50              | -3.59             | -496.44      | Projection to TD               |

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
DISTRICT II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9730  
DISTRICT III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 534-6178 Fax: (505) 334-6170  
DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

DAMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                   |                                            |                                                  |
|-----------------------------------|--------------------------------------------|--------------------------------------------------|
| API Number<br><b>30-015-43468</b> | Pool Code<br><b>96831</b>                  | Pool Name<br><b>Cedar Lake ; Glorieta - Yeso</b> |
| Property Code<br><b>308738</b>    | Property Name<br><b>TONY FEDERAL</b>       | Well Number<br><b>49A</b>                        |
| OGRID No.<br><b>873</b>           | Operator Name<br><b>APACHE CORPORATION</b> | Elevation<br><b>3700'</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      |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>J</b>      | <b>18</b> | <b>17-S</b> | <b>31-E</b> |         | <b>1815</b>   | <b>SOUTH</b>     | <b>1535</b>   | <b>EAST</b>    | <b>EDDY</b> |

Bottom Hole Location If Different From Surface

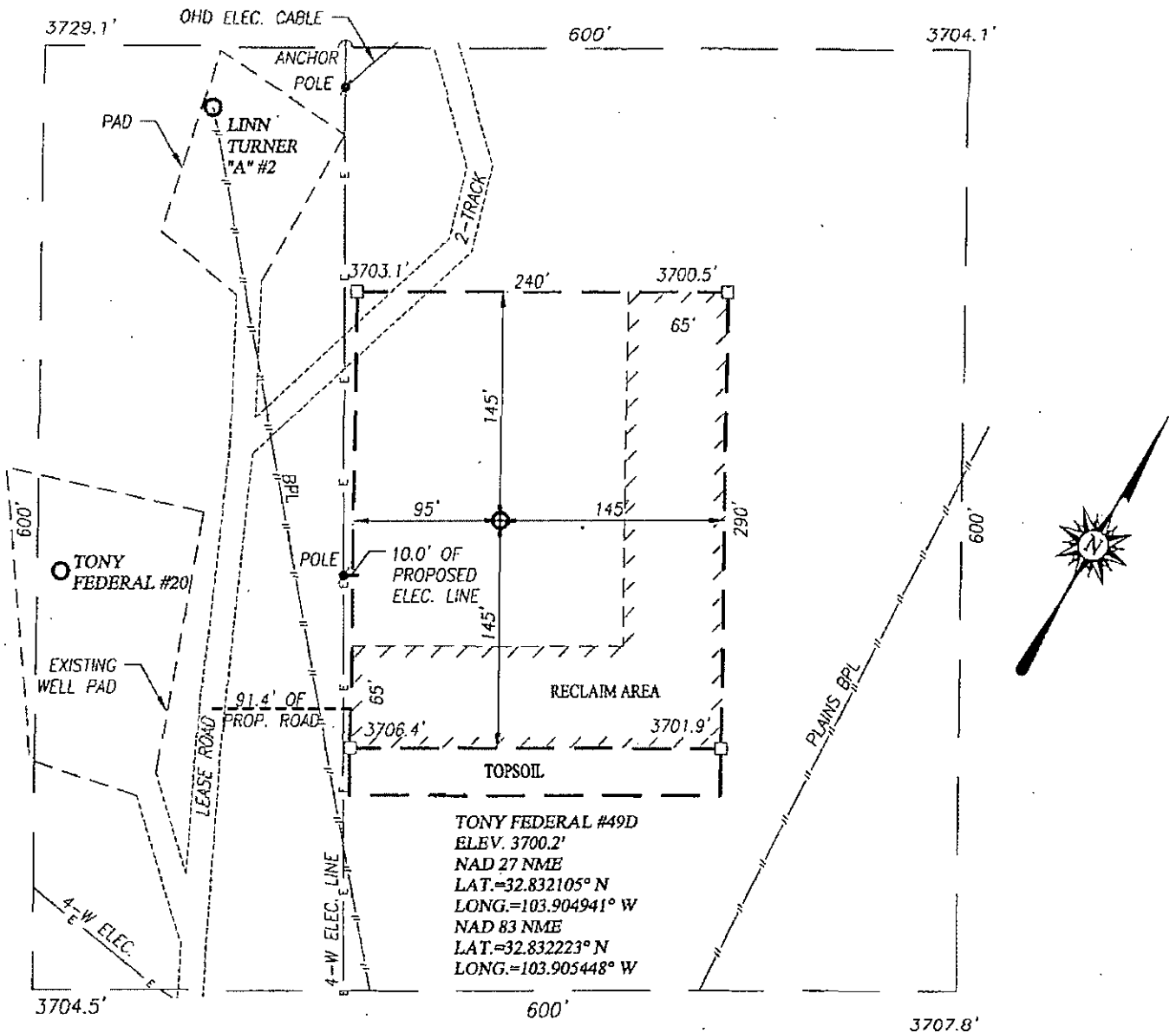
| UL or lot No. | Section   | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|-----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>J</b>      | <b>18</b> | <b>17-S</b> | <b>31-E</b> |         | <b>1815</b>   | <b>SOUTH</b>     | <b>2035</b>   | <b>EAST</b>    | <b>EDDY</b> |

|                              |                 |                    |           |
|------------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br><b>40</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>GEODETIC COORDINATES<br/>NAD 27 NME<br/>BOTTOM HOLE LOCATION<br/>Y = 666694.6 N<br/>X = 631086.9 E<br/>LAT. = 32.832102° N<br/>LONG. = 103.906568° W<br/>LAT. = 32°49'56" N<br/>LONG. = 103°54'24" W</p> | <p>CORNER COORDINATES TABLE<br/>NAD 27 NME<br/>A - Y = 667517.6 N, X = 630476.3 E<br/>B - Y = 667526.1 N, X = 631796.5 E<br/>C - Y = 666205.3 N, X = 631804.2 E<br/>D - Y = 666197.0 N, X = 630484.2 E</p> | <p>GEODETIC COORDINATES<br/>NAD 27 NME<br/>SURFACE LOCATION<br/>Y = 666697.7 N<br/>X = 631585.7 E<br/>LAT. = 32.832105° N<br/>LONG. = 103.904941° W<br/>LAT. = 32°49'56" N<br/>LONG. = 103°54'18" W</p> |
| <p>GEODETIC COORDINATES<br/>NAD 83 NME<br/>BOTTOM HOLE LOCATION<br/>Y = 666758.4 N<br/>X = 672265.6 E<br/>LAT. = 32.832220° N<br/>LONG. = 103.907075° W<br/>LAT. = 32°49'56" N<br/>LONG. = 103°54'25" W</p> | <p>CORNER COORDINATES TABLE<br/>NAD 83 NME<br/>A - Y = 667581.4 N, X = 671655.0 E<br/>B - Y = 667590.0 N, X = 672975.2 E<br/>C - Y = 666269.1 N, X = 672983.0 E<br/>D - Y = 666260.8 N, X = 671662.9 E</p> | <p>GEODETIC COORDINATES<br/>NAD 83 NME<br/>SURFACE LOCATION<br/>Y = 666761.6 N<br/>X = 672265.5 E<br/>LAT. = 32.832223° N<br/>LONG. = 103.905448° W<br/>LAT. = 32°49'56" N<br/>LONG. = 103°54'20" W</p> |

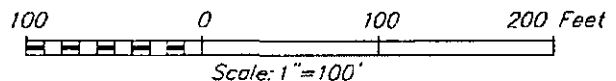
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>OPERATOR CERTIFICATION</b><br/>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><u>Sarina R. Flores</u> 3/20/15<br/>Signature Date<br/><u>Sarina R. Flores</u><br/>Printed Name<br/><u>sarina.flores@apachecorp.com</u><br/>E-mail Address</p> |
| <p><b>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>FEBRUARY 20, 2015<br/>Date of Survey<br/>Signature of Professional Surveyor<br/><u>Ronald J. Eidson</u> 2/19/2015<br/>Certificate Number 12641<br/>G. Eidson 3239<br/>LSL REV. 3-14-15 JWSC W.O. 15110159</p>                                                                                                                                                                                                                                |



NOTE:  
1) SEE "TOPOGRAPHICAL AND ACCESS  
ROAD MAP" FOR PROPOSED ROAD  
LOCATION.

**DIRECTIONS TO TONY FEDERAL #49D:**

FROM THE INTERSECTION OF US. HWY. 82 AND CO. RD. 221  
(SKELLY) GO NORTH ON CO. RD. 221 APPROX. 0.95 MILES  
TURN RIGHT AND GO SOUTHEAST APPROX. 0.7 MILES TURN  
LEFT AND GO NORTHWEST APPROX. 650' TO STAKED ROAD,  
THEN 90' NORTHEAST TO THIS LOCATION IS NORTH THEN PROP.  
ROAD.



**APACHE CORPORATION**

TONY FEDERAL #49D WELL  
LOCATED 1815 FEET FROM THE SOUTH LINE  
AND 1535 FEET FROM THE EAST LINE OF SECTION 18,  
TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO

PROVIDING SURVEYING SERVICES  
SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO HOBBS, N.M. 88240  
(575) 393-3117 www.jwsc.biz  
TBPLS# 10021000

|                      |                   |                         |
|----------------------|-------------------|-------------------------|
| Survey Date: 2/19/15 | CAD Date: 3/12/15 | Drawn By: LSL           |
| W.O. No.: 15110189   | Rev: 3/19/15      | Rel. W.O.: Sheet 1 of 1 |