

Operator Copy

Form 3160-3  
(March 2012)

FORM APPROVED  
OMB No. 1004-0137  
Expires October 31, 2014

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER <b>ATS-14-913</b>		5. Lease Serial No. NMLC-029435B
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator APACHE CORPORATION		7. If Unit or CA Agreement, Name and No.
3a. Address 303 VETERANS AIRPARK LN #1000 MIDLAND, TX 79705		8. Lease Name and Well No. NFE-FEDERAL #44H <308724>
3b. Phone No. (include area code) 432-818-1167		9. API Well No. 30-015- <b>42904</b>
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 2130 FSL & 200' FEL SEC: 6 At proposed prod. zone 2130' FSL & 330' FWL SEC: 6		10. Field and Pool, or Exploratory CEDAR LAKE; GLORIETA-YESO <96831>
14. Distance in miles and direction from nearest town or post office* APPROX 7.5 MILES EAST NORTHEAST OF LOCO HILLS, NM		11. Sec., T. R. M. or Blk. and Survey or Area SEC: 6 T17S R31E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 200'	16. No. of acres in lease 1885 ACRES	17. Spacing Unit dedicated to this well 151.37 ACRES
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 25'	19. Proposed Depth TVD: 5800' MD: 10161'	20. BLM/BIA Bond No. on file BLM-CO-1463 NATIONWIDE / NMB000736
21. Elevations (Show whether DF, KDB, RT, GL, etc.) GL: 3758'	22. Approximate date work will start* <b>AS SOON AS APPROVED</b>	23. Estimated duration ~ 18 DAYS

UNORTHODOX  
LOCATION

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- |                                                                                                                                                |                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor.                                                                                               | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan.                                                                                                                            | 5. Operator certification                                                                       |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

25. Signature <i>Sorina L. Flores</i>	Name (Printed/Typed) SORINA L. FLORES	Date <b>6/18/14</b>
Title SUPV OF DRILLING SERVICES		
Approved by (Signature) <i>Stephen J. Coffey</i>	Name (Printed/Typed)	Date <b>11/13/15</b>
Title <i>For</i> FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

Roswell Controlled Water Basin

Approval Subject to General Requirements  
& Special Stipulations Attached

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

*1/21/2015*  
*AKD*

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) 748-9720

DISTRICT III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 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

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number <b>30-015-42904</b>	Pool Code <b>96831</b>	Pool Name <b>Cedar Lake; Glorieta - Yeso</b>
Property Code <b>308724</b>	Property Name <b>NFE FEDERAL</b>	
OGRID No. <b>873</b>	Operator Name <b>APACHE CORPORATION</b>	
	Well Number <b>44H</b>	Elevation <b>3758'</b>

Surface Location

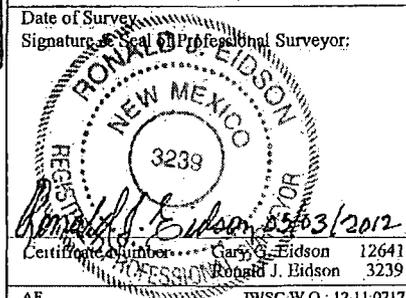
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	6	17-S	31-E		2130	SOUTH	200	EAST	EDDY

Bottom Hole Location If Different From Surface

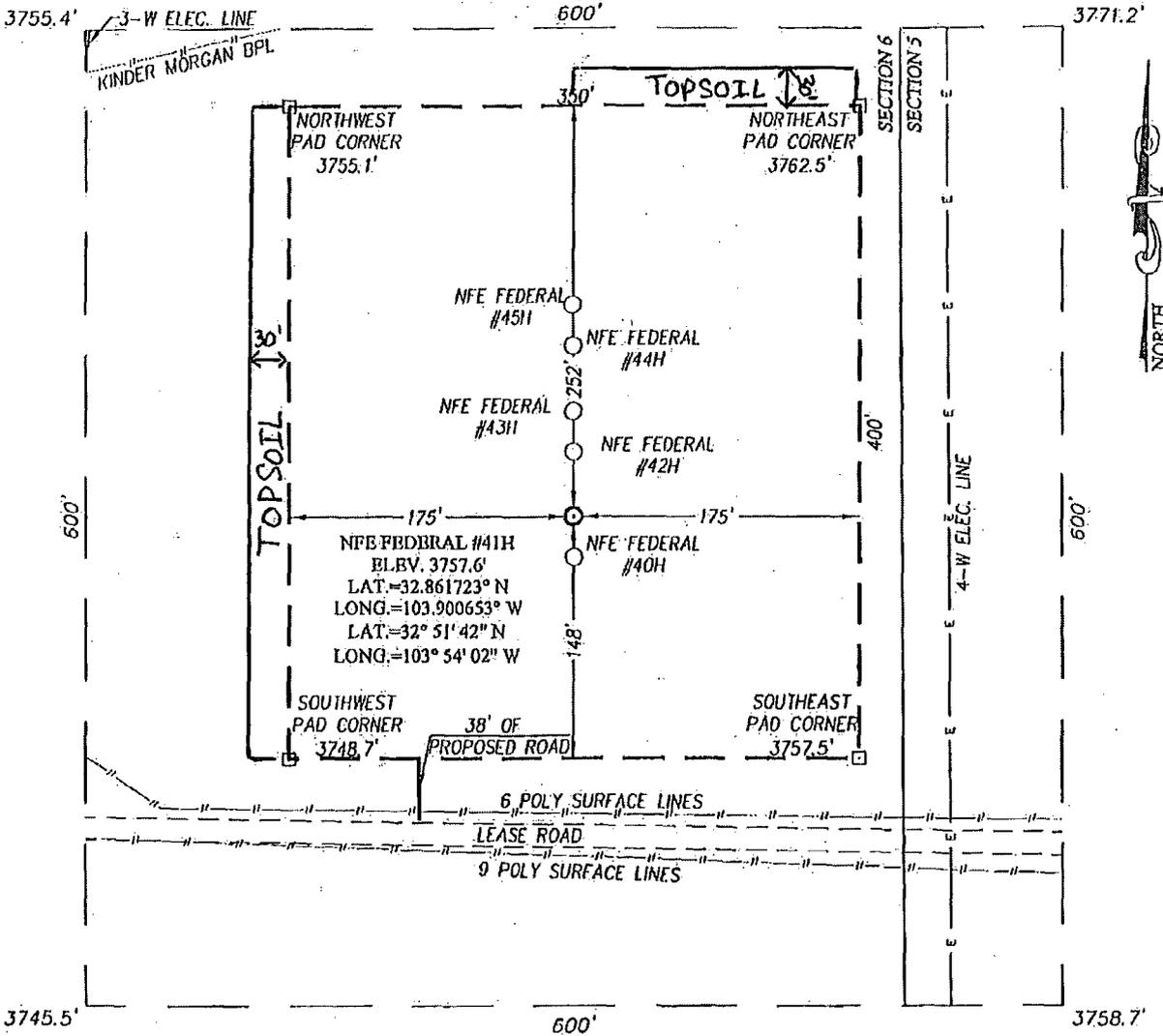
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
6	6	17-S	31-E		2130	SOUTH	330	WEST	EDDY

Dedicated Acres <b>151.37</b>	Joint or Infill	Consolidation Code	Order No.
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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

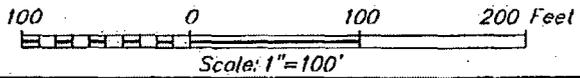
<div style="text-align: center;"> <p>4. 39.99 AC. 2. 39.97 AC. 1.</p> <p>31.17 AC. 5. 39.96 AC.</p> <p>31.27 AC. 6. 3755.8' 3769.6'</p> <p>330' B.H. 600' 600'</p> <p>31.37 AC. 7. 3745.0' 3758.0'</p> <p>31.47 AC.</p> </div> <div style="text-align: center; margin-top: 20px;"> <p>GEODETIC COORDINATES NAD 27 NME.</p> <p>SURFACE LOCATION Y=677583.3 N X=632859.0 E</p> <p>LAT.=32.862011° N LONG.=103.900654° W</p> <p>LAT.=32° 51' 43" N LONG.=103° 54' 02" W</p> <p>BOTTOM HOLE LOCATION Y=677553.6 N X=628394.3 E</p> <p>GRID. AZ.=269°37'06" HORIZ. DIST.=4465.9'</p> <p>CORNER COORDINATES TABLE</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td>Ⓐ</td><td>-</td><td>Y=678061.7 N, X=628062.7 E</td></tr> <tr><td>Ⓑ</td><td>-</td><td>Y=678094.7 N, X=633056.1 E</td></tr> <tr><td>Ⓒ</td><td>-</td><td>Y=676741.8 N, X=628067.0 E</td></tr> <tr><td>Ⓓ</td><td>-</td><td>Y=676775.0 N, X=633063.5 E</td></tr> </table> </div>	Ⓐ	-	Y=678061.7 N, X=628062.7 E	Ⓑ	-	Y=678094.7 N, X=633056.1 E	Ⓒ	-	Y=676741.8 N, X=628067.0 E	Ⓓ	-	Y=676775.0 N, X=633063.5 E	<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <p><i>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.</i></p> <p style="text-align: center;"><i>Sorina L. Flores</i> 5/1/14 Signature Date</p> <p style="text-align: center;">Sorina L. Flores Printed Name</p> <p style="text-align: center;">sorina.flores@apachecorp.com E-mail Address</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p style="text-align: center;">APRIL 13, 2012</p> <p>Date of Survey</p> <p>Signature of Registered Professional Surveyor:</p> <div style="text-align: center;">  </div> <p>Certificate Number: Gary J. Eidson 12641 Ronald J. Eidson 3239</p> <p style="text-align: center;">AF JWSC W.O.: 12.11.0717</p>
Ⓐ	-	Y=678061.7 N, X=628062.7 E											
Ⓑ	-	Y=678094.7 N, X=633056.1 E											
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Ⓓ	-	Y=676775.0 N, X=633063.5 E											

**SECTION 6, TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.**  
 EDDY COUNTY NEW MEXICO



**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #221 (SKELLY RD.) GO NORTH APPROX. 1.3 MILES. TURN RIGHT AND GO NORTHEAST APPROX. 0.6 MILES. TURN RIGHT AND GO EAST APPROX. 0.6 MILES. TURN LEFT AND GO NORTH APPROX. 1.0 MILES. TURN LEFT AND GO WEST APPROX. 0.1 MILES TO ROAD SURVEY. FOLLOW ROAD SURVEY NORTH 38 FEET TO THIS LOCATION.



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

**APACHE CORPORATION**

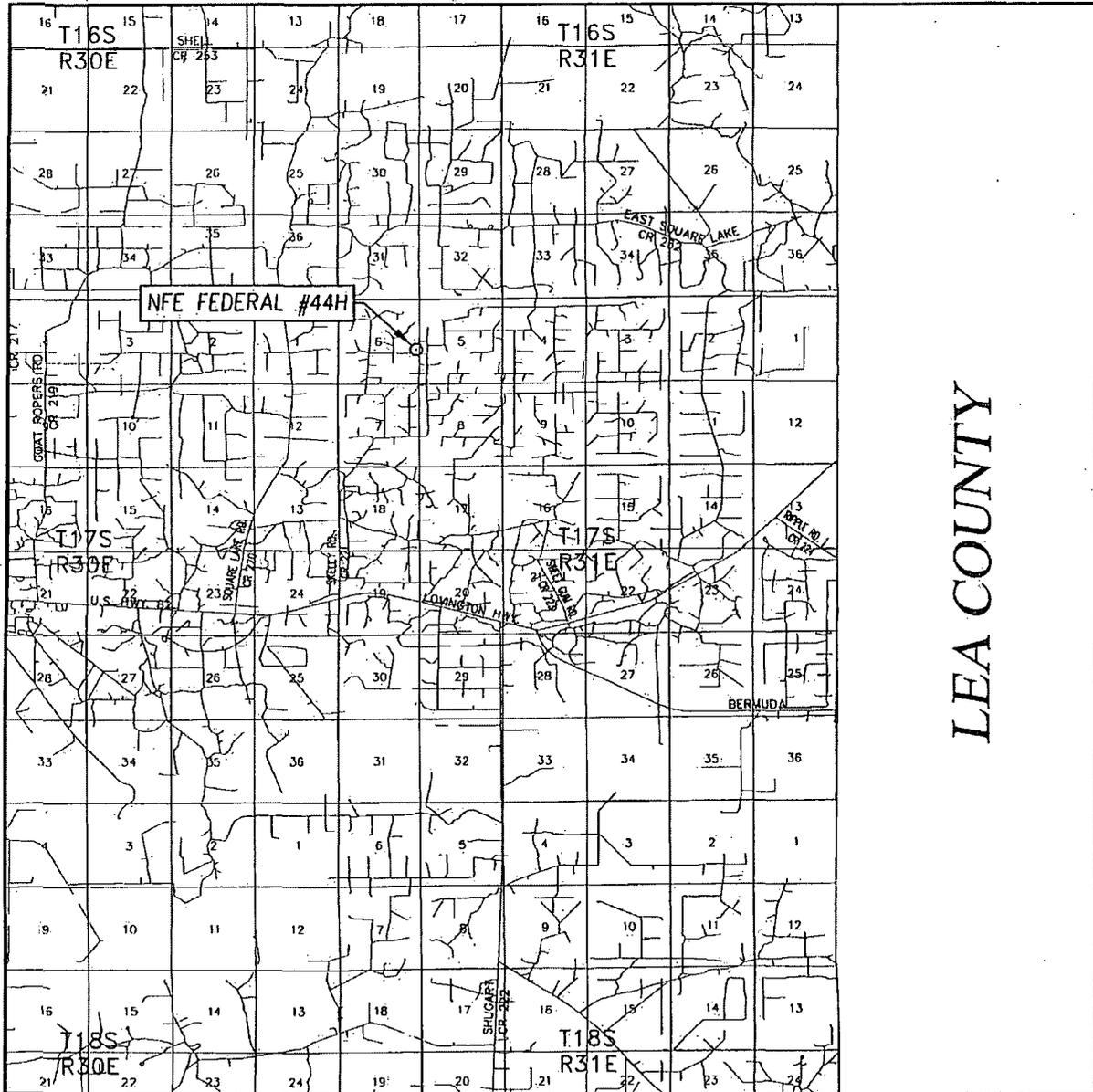
NFE FEDERAL  
 #40H #41H #42H #43H #44H #45H

TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.,  
 EDDY COUNTY, NEW MEXICO

Survey Date: 4/13/12	CAD Date: 5/2/12	Drawn By: AF
W.O. No.: 12110714	Rev.	Rel. W.O.:

Sheet 1 of 1

# VICINITY MAP



LEA COUNTY

SCALE: 1" = 2 MILES

SEC. 6 TWP. 17-S RGE. 31-E  
 SURVEY N.M.P.M.  
 COUNTY EDDY STATE NEW MEXICO  
 DESCRIPTION 2130' FSL & 200' FEL  
 ELEVATION 3758'  
 OPERATOR APACHE CORPORATION  
 LEASE NFE FEDERAL



PROVIDING SURVEYING SERVICES  
 SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO  
 HOBBS, N.M. 88240  
 (575) 393-3117 [www.jwsc.biz](http://www.jwsc.biz)

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
LOCO HILLS, N.M. - 10'

SEC. 6 TWP. 17-S RGE. 31-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 2130' FSL & 200' FEL

ELEVATION 3758'

OPERATOR APACHE CORPORATION

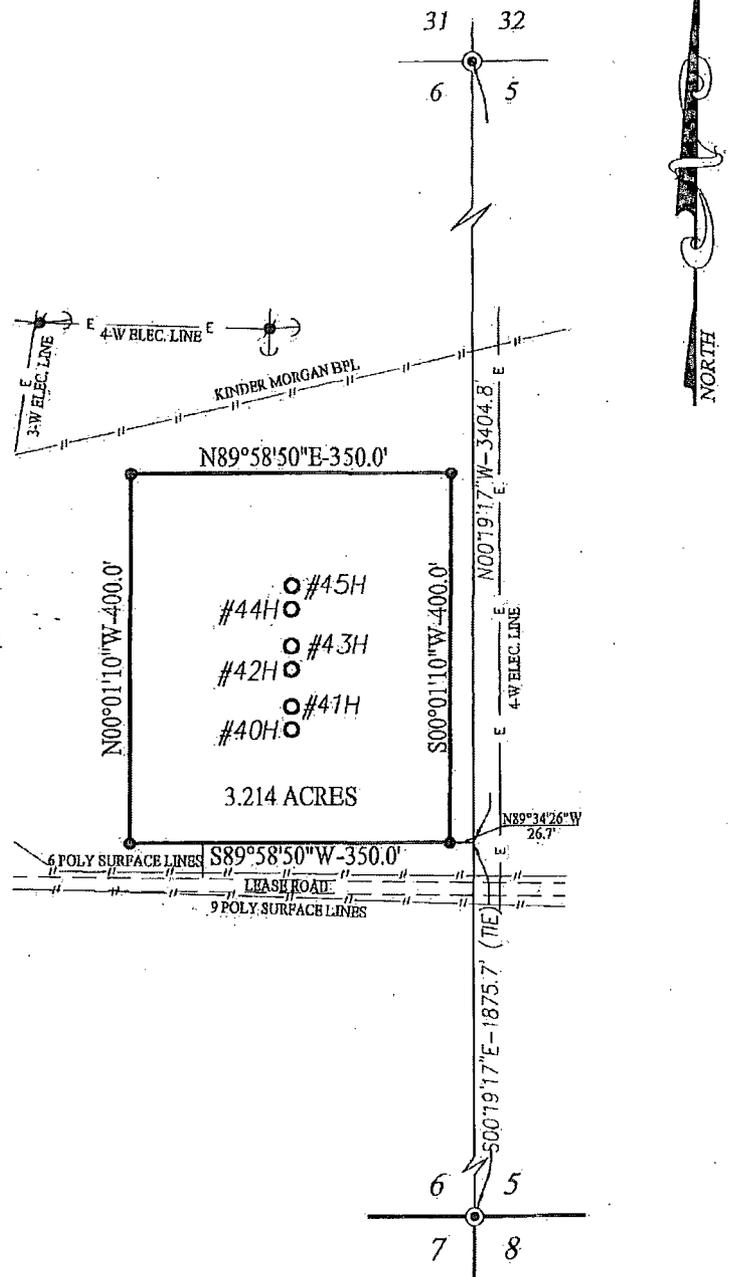
LEASE NFE FEDERAL

U.S.G.S. TOPOGRAPHIC MAP  
LOCO HILLS, N.M.



PROVIDING SURVEYING SERVICES  
SINCE 1946  
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SECTION 6, TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY NEW MEXICO



**DESCRIPTION**

A PROPOSED WELL PAD SITUATED IN THE SOUTHEAST QUARTER OF SECTION 6, TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF THIS TRACT, WHICH LIES N00°19'17\"/>

**NOTE**

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

I, RONALD J. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

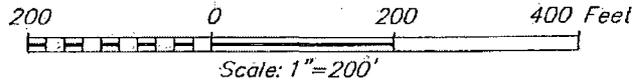
RONALD J. EIDSON

DATE: 05/03/2012

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

**LEGEND**

- ⊙ DENOTES FOUND CORNER AS NOTED
- DENOTES SET SPIKE NAIL



**APACHE CORPORATION**

SURVEY FOR NFE #12 WELL PAD  
SITUATED IN THE SE/4 OF SECTION 6,  
TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.  
EDDY COUNTY, NEW MEXICO

Survey Date: 4/13/12	CAD Date: 5/2/12	Drawn By: AF
W.O. No.: 12110691	Rev:	Rel. W.O.: