

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMLC029435B

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.  
NFE FEDERAL 15

2. Name of Operator  
APACHE CORPORATION

Contact: SORINA L FLORES  
E-Mail: sorina.flores@apachecorp.com

9. API Well No.  
30-015-40550

3a. Address  
303 VETERANS AIRPARK LN #3000  
MIDLAND, TX 79705

3b. Phone No. (include area code)  
Ph: 432-818-1167  
Fx: 432-818-1193

10. Field and Pool, or Exploratory  
YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 5 T17S R31E 770FNL 670FEL  
32.868587 N Lat, 103.885002 W Lon

11. County or Parish, and State  
EDDY COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOND#: BLM-CO-1463 / NMB000736

Apache Corporation is currently drlg the 11? interm. hole of NFE Federal #15 (API no. 30-015-40550). Surf csg set @ 537'. The planned interm. csg point is 3500?.

Lost circ was encountered @ 600? & LCM was ineffective, so we dry drilled to 1575? where we regained partial (55%-70%) returns. This morning, 11/30/12, @ 6:00 AM, we were drilling at 3489? w/70% returns.

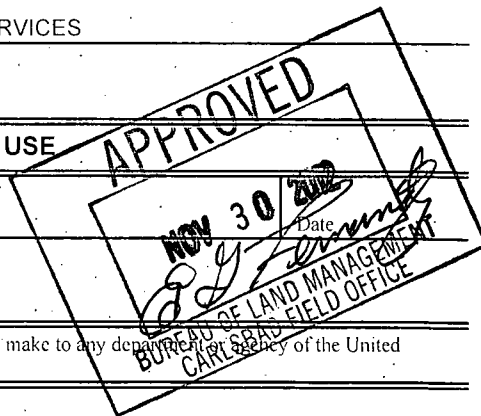
Regaining partial returns may be due to drill cuttings entering loss zone, or due to a water flow encountered @ 1575?.

Accepted for record  
NMOCDFCS

12/7/2012

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #161644 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad</b>	
Name (Printed/Typed) SORINA L FLORES	Title SUPV DRLG SERVICES
Signature (Electronic Submission)	Date 12/04/2012
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>	
Approved By _____	Title _____
Conditions of approval, if any, are attached. Approval of this notice 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.	Office _____



**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

## Additional data for EC transaction #161644 that would not fit on the form

### 32. Additional remarks, continued

In order to successfully cmt the 8-5/8" interm. csg & ensure zonal isolation in NFE Federal #15, Apache Corporation recommends that a DVT should be installed in the 8-5/8" csg string @ approx. 1475' & an ECP should be installed immediately below the DVT. The proposed DVT/ECP setting depth is approx halfway between estimated base of salt (1367') & depth at which a water flow may have been encountered (1575'). Apache further recommends that the 8-5/8" csg slips be set before cmtg, that the 1st stage cmt should be a single slurry consisting of 870 sx CI C (Wt 14.8 ppg, Yld 1.33 cuft/sk), & 2nd stage cmt should be a lead slurry consisting of 560 sx CI C 35/65 pozmix w/ 4% bentonite, 5% salt, 0.125 lbs/sk CF, 5 lbs/sk LCM-1, 1% Sodium Metasilicate, 5% MPA-5, 0.25% FL-52A, & 0.005 gal/sk FP-6L (Wt 12.5 ppg, Yld 2.13 cuft/sk) followed by a tail slurry consisting of 250 sx CI C (Wt 14.8 ppg, Yld 1.33 cuft/sk).

BLM approval requested to case & cmt the 11" interm. hole as proposed above.

## CONDITIONS OF APPROVAL

Sundry dated 11/30/2012 – 2 stage intermediated casing

OPERATOR'S NAME:	Apache Corp
LEASE NO.:	LC029435B
WELL NAME & NO.:	15 NFE Federal
SURFACE HOLE FOOTAGE:	770' FNL & 670' FEL
BOTTOM HOLE FOOTAGE	' FL & ' FL
LOCATION:	Section 5, T.17 S., R.31 E., NMPM
COUNTY:	Eddy County, New Mexico

### Original COA still applies with the following changes

The minimum required fill of cement behind the 8-5/8 inch intermediate casing is:

a. First stage to DV tool:

- ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.

b. Second stage above DV tool:

- ☒ Cement to surface. If cement does not circulate, contact the appropriate BLM office.

EGF 113012