

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTCarlsbad Field Office  
OCD Artesia  
FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

## 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.

License Serial No.  
NMNM0467932

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
E L FEDERAL 89. API Well No.  
30-015-30262-00-S110. Field and Pool or Exploratory Area  
LOCO HILLS-QU-GB-SA11. County or Parish, State  
EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
APACHE CORPORATIONContact: ALICIA FULTON  
E-Mail: ALICIA.FULTON@APACHECORP.COM3a. Address  
303 VETERANS AIRPARK LANE SUITE 3000  
MIDLAND, TX 797053b. Phone No. (include area code)  
Ph: 432.818.10884. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 21 T17S R30E SESE 380FSL 990FEL

## 12. CHECK THE 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"/> Hydraulic Fracturing	<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 Workover Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recompleat 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

## APACHE WOULD LIKE APPROVAL TO PERFORM THE FOLLOWING WORK

1. MIRU WO Rig
2. POOH w/ injection tbg
3. Scan tbg and lay down damaged joints accordingly
4. Pick up workstring and bailer
5. Clean wellbore down to PBTD @ 5,200?
6. Pick up rental packer and set @ 4,650?
7. Rig up acid pump truck
8. Acidize well w/ 10,000 gallons of 15%
9. Rig down acid truck
10. POOH and lay down rental workstring and packer

6-12-3-18  
Accepted for record - NMOCDNM OIL CONSERVATION  
ARTESIA DISTRICT

NOV 28 2018

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #443747 verified by the BLM Well Information System  
For APACHE CORPORATION, sent to the Carlsbad  
Committed to AFMSS for processing by PRISCILLA PEREZ on 11/13/2018 (19PP0367SE)

Name (Printed/Typed) ALICIA FULTON

Title SR. REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/12/2018

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ZOTA STEVENS

Title PETROLEUM ENGINEER

Date 11/15/2018

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 Carlsbad

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.

(Instructions on page 2)

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

#### Well Info

Legal Well Name: E L FEDERAL #008 SWD  
API/Surface Loc: 3001530262  
Spud Date: 8/17/1998  
Original Drilling Rig Release:  
Target Formation:  
Field Name: UNKNOWN MARBOB EDDY COUNTY  
County: Eddy  
State/Province: New Mexico  
Surface Legal Location: P-21-17S-30E 380 FSL 990 FEL

#### Bottom Hole Location:

Bottom Hole Legal Location:  
E L FEDERAL #8 SWD - Original Hole  
East-West Distance (ft): From E or W Line:  
E L FEDERAL #8 SWD - Original Hole  
North-South Distance (ft): From N or S Line:  
Original Drilling Rig Release:  
Original KB Elevation (ft): 3,637.0  
Ground Elevation (ft): 3,625.0  
KB-Ground Distance (ft): 12.0  
Total Depth (All) (ftKB): Original Hole - 5,300.0  
Total Depth All (TVD) (ftKB): Original Hole - 5,297.1

#### Stimulation Jobs

Volume Clean Total (bbl):  
Total Clean - Recovered Volume (bbl):  
Proppant Total (lb):  
Treat Rate Max (bbl/min):  
Treat Pressure Max (psi):  
Number of Treatment Intervals:  
Min Top Depth (ftKB):  
Max Btm Depth (ftKB):

#### Kick Offs & Key Depths

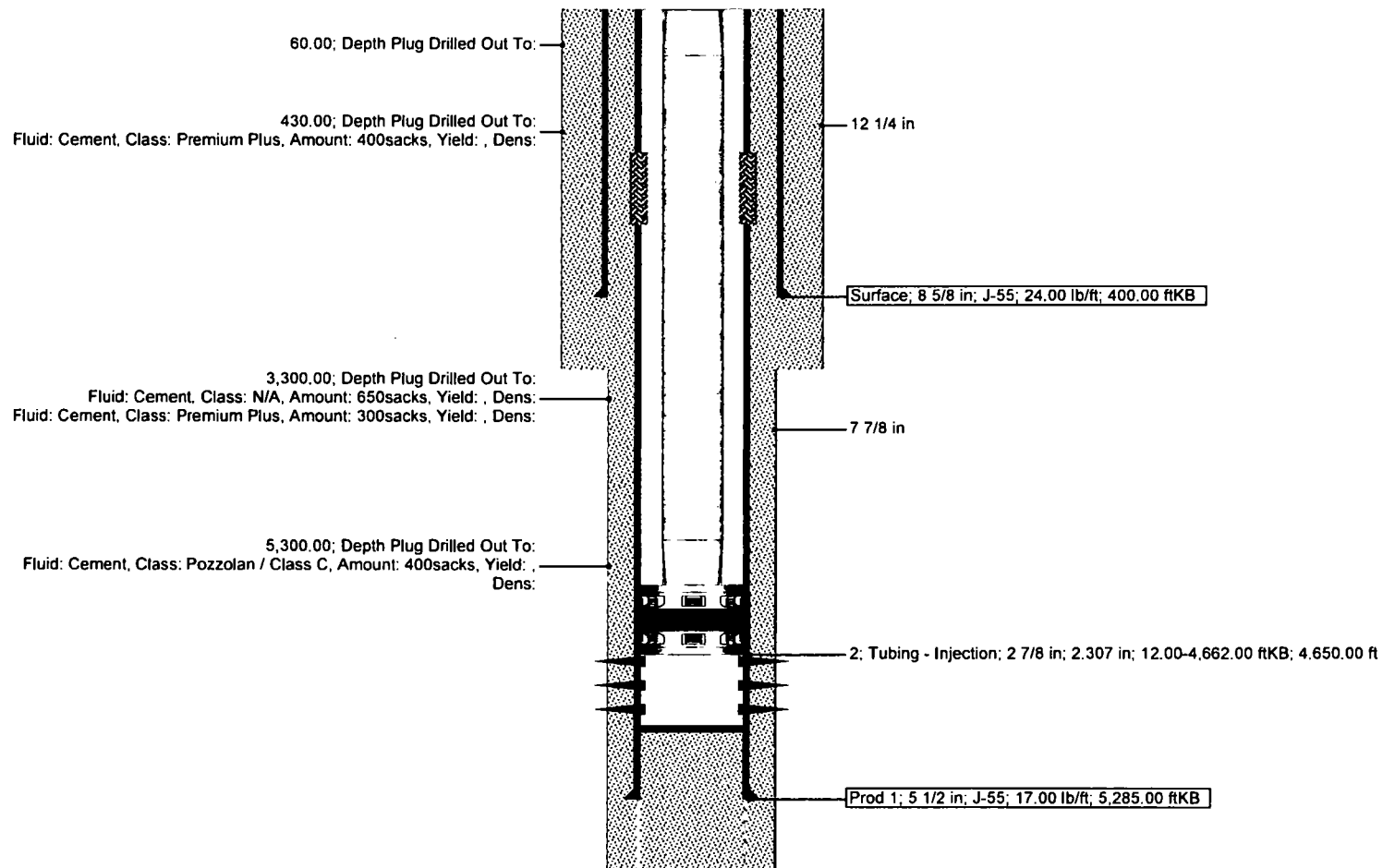
Type: Top Depth (ftKB):  
Total Depth (ftKB): 5,300.0  
PBTD (All) (ftKB): Original Hole - 5,270

#### Perforations

Top Depth (ftKB): 4,710  
Top Depth (ftKB): 4,710  
Bottom Depth (ftKB): 5,128

Disposal, E L FEDERAL #8 SWD - Original Hole, 11/10/2018 11:23:01 AM

Vertical schematic (actual)





November 10, 2018

EL Federal # 8 SWD  
API # 30-015-30262  
Eddy County, NM

Casing: 5-1/2" 17# @ 5,285'  
Current Injection Interval: 4,710-5,128'

**Objective:**

POOH w/ tbg, clean wellbore to PBTD, test/scan injection string, acidize and RTI

**Procedure:**

1. MIRU WO Rig
2. POOH w/ injection tbg
3. Scan tbg and lay down damaged joints accordingly
4. Pick up workstring and bailer
5. Clean wellbore down to PBTD @ 5,200'
6. Pick up rental packer and set @ 4,650'
7. Rig up acid pump truck
8. Acidize well w/ 10,000 gallons of 15%
9. Rig down acid truck
10. POOH and lay down rental workstring and packer
11. RIH w/ injection packer and tbg
12. Notify OCD and conduct MIT
13. Return the well to injection