

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

OCD Artesia

MAY 22 2014

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

Lease Serial No.

NMLC-09395B

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

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

LEE FEDERAL 88 <308720>

2. Name of Operator

APACHE CORPORATION <873>

9. API Well No.

30-015-41843

3. Address

303 VETERANS AIRPARK LN, #3000  
MIDLAND, TX 79705

3b. Phone No. (include area Code)

432-818-1000 / 432-818-1168

10. Field and Pool or Exploratory Area

CEDAR LAKE; GLORIETA-YESO

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

LOT N, SEC 20, T17S, R31E, 470' FSL & 1665' FWL

11. County or Parish, State

EDDY COUNTY, NM

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

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other

DRILLING OPS: CASING  
& CEMENT REPORT

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 directional or recompleting horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attached 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 recompleting 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.

Bond No: BLM-CO-1463

2/1/2014 SPUD

2/1/2014 DRLG F/ 253' - T/ 338; TD; CIRCULATE; TOH;

\*RU LEWIS CSG CREW; RUN SURFACE CSG 13 375", HOLE 17.5", 48#; H-40 ST&C W/ FLOAT COLLAR & GUIDE SHOE; FLOAT COLLAR @ 295'; CSG SET @ 338'; RAN 5 CENTRALIZERS; GAVE MICHEAL W/ BLM NOTICE OF INTENT TO RUN CSG AND CEMENT

\*R/U PAR FIVE; PUMP 20 BBLS FW; LEAD W/ 200 SKS CLASS C W/ 15%PF53+2%PF001; MIXED @ 14.4 PPG; YIELD @ 1.62 CF/SK; 57 BBLS SLY; TAIL W/ 500 SKS CLASS C W/2%CACL2; MIXED @ 14.8; YIELD @ 1.34 CF/SK; 119 BBL SLY; DISPLACE W/ 47 BBLS FW; BUMP @ 16:14 HR 2/01/14 W/ 650 PSI; PRIOR 110 PSI @ 3 BPM. FLOAT HELD OK; DID NOT CIRCULATE CEMENT TO SURFACE; WOC; TAG CMT ON ALL 4 SIDES AT 79" WITH 1"; RU PAR 5 AND CEMENT THROUGH 1" ON BACK SIDE WITH 380 SX OF 14.8 CLASS C 2%CCl; DID NOT CIRC. CEMENT; WOC; RU PAR 5 AND CEMENT THROUGH 1" ON BACK SIDE WITH 134 SX OF 14.8 CLASS C 2%CCl; CIRC. 10 BBLS 56 SKS CEMENT TO BINS; WOC; CUT OFF AND WELD ON 13 3/8" SOW X 13 5/8" 3K CASING HEAD TEST TO 600 PSI (OK); N/U BOP & CHOKE

REPORT CONTINUED ON PAGE 2.

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

Name (Printed/Typed)

MICHELLE COOPER

Title

DRILLING TECH

Signature

*Michelle Cooper*

Date

4/15/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

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.

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.

## LEE FEDERAL 88 - Csg & Cmt End of Well Sundry

2/2/2014 TEST, KILL LINE, UPPER AND LOWER KELLY VALVES, CHOKE MANIFOLD, ANNULAR 250 LOW, 2000 PSI HIGH, ACCUMULATOR TEST, ALL (OK)  
GAVE BLM NOTICE VIA VOICEMAIL OF INTENT TO TEST BOP 12:30 2/2/2014  
  
WOC  
  
TEST CASING AT 1200 PSI FOR 30 MIN GOOD; DRILL OUT CEMENT AND SHOE TRACK;

2/6/2014 DRILLING INTERMEDIATE 3251' - 3500'; SURVEY @ 3490' INC .8 DEG; 150 JTS OF 16.6 X-95 4.5 DP ON LOCATION; CIRC;  
  
\*RU LEWIS CASING CREW AND RUN 81 JTS OF 8.625; HOLE SIZE 11; 32# J-55 CASING; CASING SET @ 3500; FC SET @ 3455; RAN 27 CENTRALIZERS; CONTACTED RICHARD W/ BLM GAVE 4 HOURS NOTICE TO RUN CASING AND CEMENT; CIRC

2/7/2014 \*RU PAR FIVE; CEMENT W/ 20 BBL WATER SPACER; LEAD W/ 720 SACKS CLASS "C" 35/65 POZ; MIXED @ 12.90 PPG; YIELD @ 1.92; 246 BBL SLURRY; TAIL W/ 440 SACKS CLASS C; MIXED @ 14.8 PPG; YIELD @ 1.33; 104 BBL SLURRY  
  
DISPLACE WITH 211 BBL FW; BUMP @ 3:27 2/14/2014 W/ 1590 PSI; PRIOR 1080 @ 3 BPM; FLOAT HELD OK CIRC. 8 BBL OR 23 SX OF CEMENT TO BIN;  
  
TEST BOP BLIND RAMS, PIPE RAMS AND ANNULAR TO 250 PSI LOW; AND 2000 PSI HIGH GOOD;  
CONTACTED JIM W/ BLM GAVE 4 HOUR NOTICE TO TEST  
  
DRLG CEMENT ; PLUG & SHOE TRACK

2/11/2014 DRLG PRODUCTION F/ 5939' MD T/ 6400' MD TD ; LAST SURVEY @ 6359' MD ; 3.2 INC.; CIRCULATE HOLE CLEAN;  
  
TD 13:00 ; 2/11/2014; TOH F/ SCHLUMBERGER LOGS; RU SCHLUMBERGER LOG W/ SPECTRAL GAMMA RAY, NEUTRON, DUAL LATEROLOG, SONIC, CALIPER; LOGGERS TD 6403';

2/12/2014 \*RUN 154 JTS 5.5"; HOLE SIZE 7.875; 17# J-55 LTC; FLOAT COLLAR SET @ 6355'; MARKER JNT @ 4583'; CASING SET @ 6400'; RAN 51 CENTRALIZERS; NOTIFIED JOSE W/ BLM ON RUNNING AND CEMENTING 5.5 PRODUCTION CSG; CIRC;  
  
\*RIG UP PAR FIVE; PUMP 20 BBL F/W SPACER 20 BBLS MUD FLUSH; LEAD W/ 430 SKS 35/65 P/C; MIXED @ 12.6 PPG @ 2.05 CF/SK; 157 BBL OF SLURRY; TAIL W/ 550 SKS 50/50 P/C; MIXED AT 14.2 PPG @ 1.37 CF/SX; 134 BBL OF SLURRY  
  
DISPLACE W/ 148 BBL OF FRESH WATER; BUMP PLUG 12:53 2/12/2014, W/ 2623 PSI; 2108 PRIOR @ 3BPM. FLOAT HELD;  
  
CIRCULATED 37 BBLS OR 101 SKS OF CEMENT TO BIN ; R/D CEMENTERS  
  
PROD CSG PRESSURE TEST: 2500 PSI/ 30 MIN. - OK  
  
RIG RELEASED 2/12/2014