

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240

FORM APPROVED

Bureau No. 1004-0135

Expires: November 30, 2000

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Apache Corporation

3a. Address

2000 Post Oak Blvd., Ste 100, Houston, Texas 77056

3b. Phone No. (include area code)

713-296-6000

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

1980' FSL & 660' FEL, Sec. 17, T-21S, R-37E, Unit I

5. Lease Serial No.

NMLC032096A

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Lockhart A-17 # 2

9. API Well No.

30-025-06637

10. Field and Pool, or Exploratory Area

Penrose Skelly; Grayburg

11. County or Parish, State

Lea County, New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input checked="" 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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Return TA'd Well
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plugback	<input type="checkbox"/> Water Disposal	to Production

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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat 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.)

12/03/01 MIRU and pull out of hole w/ 3600' 2-3/8" J-55 tubing.

12/04/01 Run in hole w/ workstring and casing scraper. Tag fill @ 3661'. Pull out of hole. Run in hole w/ 4-3/4" bit. Made 2' of hole. Pull out of hole w/ bit. Pickup sawtooth shoe, wash pipe, jars, 3-1/2" drill collars and run in hole to 3450'.

12/05/01 Tag fill @ 3661'. Wash over fish to 3740'. Continue to 3746'. No progress in 1 hour. Pull out of hole and recover 2 joints tubing, seating nipple and mud anchor. Run in hole w/ cutrite shoe to 3500'.

12/06/01 Tag fill @ 3746'. Wash to 3777' - fell out @ 3780'. Wash to 4400'. Pull out of hole. Trip casing scraper to 4300'. Pull out of hole. Run in hole w/ CIBP and set @ 4300' w/ 35' cement cap.

12/07/01 Perforate Grayburg 3800-3804, 3820-3838, 3842-3866, 3890-3918, 3924-3946. Acidize Grayburg 3688 - 3946 w/ 5000 gals 15% HCL. Well began to communicate out Yates squeeze holes @ 3525 - 3565 during flush.

12/10/01 Run in hole w/ packer and RBP, set RBP @ 3650' and packer @ 3500'. Establish rate @ 3 BPM & 600#. Pumped 115 barrels of fluid w/ no changes. Pull out of hole w/ packer and RBP.

(Continued - Other Side)

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

Name (Printed/Typed)

Debra J. Anderson

Title

Sr. Engineering Technician

Signature

Date

1/8/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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.

Lockhart A-17 # 2 - Return TA'd Well to Production

30-02506637

Unit I, Section 17, T-21S, R-37E

Lea County, New Mexico

- 12/11/01 Run in hole w/ packer and RBP, set RBP @ 3780' and tested to 1000#. Pull up hole to 3640' and set packer. Tried to circulate from perforations @ 3688 - 3765 up to squeezed perforations @ 3525 - 3565 w/ 200 barrels @ 3.5 BPM & 1100# - did not circulate pumping either direction. Release packer and RBP and pull out of hole. Run in hole w/ CIBP and set @ 3780'. Run in hole w/ cement retainer and set @ 3640'. Establish rate @ 2 BPM & 400#. Pump 50 sx Class C neat @ 1 BPM & 100# into perforations 3688 - 3765. Flush w/ 20 BFW leaving 1 sx cement on retainer. Pull out of hole. Run in hole w/ cement retainer and set @ 3510'. Establish rate @ 2 BPM & 1000#. Pump 100 sx Class C w/ 10% gyp & 2% calseal into perforations 3525 - 3565 tailed w/ 30 sx Class C neat @ 3/4 BPM & 1900#. Final squeeze pressure @ 2200#. Left 1/2 sx cement on retainer. Pull out of hole.
- 12/13/01 Run in hole w/ 4-3/4" bit and tag cement top @ 3502'. Drill out cement and retainer to 3565'. Circulate hole clean. Pressure test to 500# - OK. Drop down to second retainer and tag cement top @ 3621'. Drill out cement to 3640'.
- 12/14/01 Pull out of hole w/ bit. Run in hole w/ new 4-3/4" bit and drill out retainer @ 3640'. Tag cement top @ 3730'. Drill out cement to top of CIBP @ 3780'.
- 12/15/01 Drill out CIBP @ 3780'. Tag cement @ 3800'. Drill out cement to 3870' - continue to 4200'. Pull out of hole.
- 12/18/01 Re-perforate Grayburg 3800 - 3946. Acidize w/ 1300 gals 15% HCL.
- 12/21/01 Frac Grayburg 3800 - 3946 w/ 31500 gals gel & 60085# 16/30 sand
- 12/26/01 Run in hole and tag sand @ 4130'. Clean out sand to 4235'. Run in hole w/ 2-7/8" production tubing and set @ 4031'. Leave well on clamp. Prep to set pumping unit.
- 12/27/01 Rebuild wellhead, run electricity and set pumping unit. Return well to production.