

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 067858

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Atlantic Richfield Company ✓

3. ADDRESS OF OPERATOR

P. O. Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*

See also space 17 below.)  
At surface

660' FNL &amp; 660' FWL (Unit letter D)

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APR 17 1978

O. C. C.  
ARTESIA, OFFICE

7. UNIT AGREEMENT NAME

Empire Abo Pressure  
Maintenance Project

8. FARM OR LEASE NAME

Empire Abo Unit "M"

9. WELL NO.

13

10. FIELD AND POOL, OR WILDCAT

Empire Abo

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

11-18S-27E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3547' GR

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Squeeze Cmt & Perf, Complete  
(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

X Lower

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Rigged up, killed well, installed BOP, POH w/compl assy. RIH w/retr, set @ 5889'. Pmpd 425 bbls gel wtr cont'g 30#/1000 gal gel @ 3 BPM, vac to 1000#, followed w/75 sx LWL cmt w/2% CaCl followed by 50 sx Cl C cmt cont'g 2% CaCl. MP 1000#. RO 9 sx cmt. WOC. Drld cmt & cmt retr @ 5889', circ hole clean. Press tested csg to 1500# 30 mins OK. Drld FC & cmt to 6098'. Press tested csg to 1500# 30 mins OK. Spotted 150 gals 20% acetic acid 6080-5970'. RO @ 6015' w/36 BTW. Ran GR & Collar log. Perf'd 5-1/2" csg 6070-80' w/2 JSPF. RIH w/Lok-set pkr on 2-3/8" OD EUE tbg, set pkr @ 6020'. Treated perfs 6070-80' w/300 gals 15% HCL acid, 1000 gal 10# CaCl wtr, 1000 gal LC, 2000 gal 60/40 DAD trtmt, flushed w/18 BO. In 9 hrs swbd 70 BO & 110 BW, good blow gas. On 24 hr potential test 4/6/78 flwd 182 BO, 88 BW & 307 MCFG on 48/64" ck, FTP 105#, GOR 1687:1. Final Report

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APR 12 1978  
U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

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

SIGNED *[Signature]*

TITLE Dist. Drlg. Supt.

DATE 4/10/78

(This space for Federal or State office use)

APPROVED BY *[Signature]*

TITLE ACTING DISTRICT ENGINEER

DATE APR 14 1978

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side