

NMOCC COPYUN ID STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPL  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM 025604

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

2390' FNL &amp; 940' FWL (Unit Letter "E")

14. PERMIT NO.

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

3596.3' GR

DEC 6 1977  
U.S. GEOLOGICAL SURVEY  
ALBUQUERQUE, NEW MEXICO

7. UNIT AGREEMENT NAME

Empire Abo Pressure  
Maintenance Project

8. FARM OR LEASE NAME

Empire Abo Unit "N"

9. WELL NO.

901

10. FIELD AND POOL, OR WILDCAT

Empire Abo

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

10-18S-27E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

## 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) Run logs, Prod. Csg. Cmt. Perf.

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

X treat  
complete

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.)\*

Finished drlg 7-7/8" hole to 6259' TD @ 4:15 PM 8-20-77. Ran CNL & FDC TD to 4250' & caliper to surf csg @ 1000'. Ran DLL, GR-N & Sonic logs. Ran 5 1/2" OD 14# K-55 8R csg w/FS @ 6259', FC @ 6216', SC @ 4113', set csg @ 6259'. Cmt'd 5 1/2" OD csg 1st stage w/550 sx 50/50 pozmix C1 C cmt cont'g 2% gel, 8# salt/sk, .8 of 1% turbulent flow additive, 5# gilsonite/sk. BP @ 1:15 PM w/1500#. Opened stage collar & circ out 30 sx cmt to pit. Cmt'd 2nd stage w/1200 sx light cmt cont'g 8# salt/sk followed by 100 sx C1 C cmt cont'g 8# salt/sk. BP @ 8:25 PM 8/22/77. w/2500#. Circ 150 sx cmt to pit. 72 hrs. Drld D.V. tool @ 4113'. Pressure tested csg to 1500# for 30 mins. OK. Ran GR-CBL 6210-3500'. Perf'd 5 1/2" csg 6148-6158' w/2 JSPF. RIH w/lok-set pkr on 2-3/8" OD EUE OE @ 6048' & pkr set @ 6016'. Treated perfs 6148-58' w/ 300 gals 15% NE acid, 500 gal. LC, 500 gals 10# CaCl wtr & 4000 gal 60/40 15% HCL/xylene, flushed w/12 BLC. n 6 hrs swbbd 11 BLO & 62 BLW. POH w/pkr & tbq. RIH w/cmt retr, set retr @ 6098'. Squeezed perfs 6148-6158' w/100 sx C1 C. Rev out 15 sx cmt. POH w/tbg. check PBD @ 6088'. Perf'd 5 1/2" csg @ 6050-60' & 6070-80' w/ 2 JSPF. RIH w/lok-set pkr on 2-3/8" OD EUE tbq, Pkr @ 5928'. Tbg OE @ 5961'. Acidized Abo perfs 6050-80' w/300 gals 15% NE acid. 500 gals LC, 500 gals 10# CaCl wtr, 2000 gals 60/40 acid/xylene, flushed w/18 BCL. Reset pkr @ 5928, tbg @ 5961'. Acidized Abo perfs 6160-6180' w/1000 gals 15% NE acid, flushed w/24 BW. Swbbd back 0 B0. POH w/pkr & tbq. Set CIBP @ 6030' w/1 sx cmt on top. Perf'd 5 1/2" csg 5938-58' & 5962-72' w/2 JSPF (60 holes). RIH w/lok-set pkr on 2-3/8" OD EUE tbq, set pkr @ 5849', tbg OE @ 5969'. Trtd perfs 5938-5972' w/500 gals 15% NE acid, 500 gals LC, 500 gal 10# CaCl wtr, 3000 gals 60/40 acid/xylene, flushed w/18 BLC. On last 5 hrs swab test rec 2 B0 & 5 BW. POH w/pkr & tbq. (Over)

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

SIGNED

TITLE

Dist. Drlg. Supvr.

DATE

11-29-77

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACTING DISTRICT ENGINEER

DATE

DEC 5 - 1977

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 17:** Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

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RIH w/CIBP, set @ 5928' 7 dumped 1 sx cmt on top of BP. Perfd 5 $\frac{1}{2}$ " csg 5882-5892' w/2 JSPF. RIH w/lok-set pkr on 2-3/8" OD EUE tbq, set pkr @ 5808', tbq OE @ 5901'. Acidize perfs 5882-92' w/300 gals. 15% NE acid followed by 1000 gals 10# CaCl wtr, 1000 gals LC & 1000 gals 60/40 DAD acid flushed w/18 BLC. Swbld 6 hrs, rec 17 B0 & 10 BW. Acidized perfs 5882-92' w/500 gals CaCl followed by 500 gals LC 2000 gals 60/40 exylene acid treatment. Flushed w/12 BLC. RIH w/2-3/8" OD tbq set @ 5838' & downhole rod pump. On 24 hr. potential test 11-17-77 pmpd Abo perfs 5882-92', 52B0, 56 BW & 60 MCFG on 11-64" SPM. GOR 1154:1. Final Report.