

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRI  
(Other instructio  
verse side)DATE  
in reForm approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

NM-082

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Ballard DE Federal

9. WELL NO.

5

10. FIELD AND POOL, OR WILDCAT

Lynch-Yates/7 Rivers

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

Sec. 22-20S-34E

12. COUNTY OR PARISH

Lea

13. STATE

N.M.

## 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 ☒ GAS ☐  
WELL WELL OTHER

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P.O. Box 1978, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)

At surface

330' FSL, 990' FWL (Unit Letter M)

14. PERMIT NO.

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

3665' CTF

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 4 1/2" Innerstring

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

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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.)\*

Reamed 7" casing from 3128-3138'. Ran 119 jts 4 1/2" 8R 9.5# J-55 casing w/guide shoe and float collar = 3637', set @ 3637'. Cemented 4 1/2" casing w/100 sx Class "C" cement containing 1/4#/sk Flocele. Plug down @ 9:10 PM 10/14/69. WOC 17 hrs. Ran temperature survey, no indicated top of cement. Tested 4 1/2" casing w/1000# for 30 min. Held OK. Ran CBL, found no cmt behind 4 1/2" casing. Perf'd 4 squeeze hole 3615-16 & cmt'd 4 1/2" csg w/130 sx Cl. C cmt in 3 stages. Max. & final squ pressure=3500#. Job complete @ 4:00 PM 10/18. Found top of cmt @ 3190' by log. Perf'd 4 1/2" csg 3180-81 w/4 JS. Cmt'd w/250 sx Cl. C cmt in 3 stages to final pressure of 5000#. WOC 16 hrs. Drld out squeeze hole & tstd csg to 1000#. OK. Perf'd w/1 JS @ 3503, 3504, 3508, 3512, 3514, 3536, 3538, 3545, 3546, 3562, 3564, 3566, 3568 & 3570 (GR-N log). Acidized w/total of 3000 gal 15% HCl LSTNE acid & ball sealers. Well swbd dry. Frac'd perms 3503-3570 w/20,000# 20/40 sand in 20,000 gal slick fresh water. Pump tested well. On 12/4/69 well pumped 18 BO & 2 BW in 24 hrs.

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

SIGNED

*D.D. Bratches*

TITLE Dist. Drlg. Supervisor

DATE

12-10-69

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED FOR RECORD

DEC 15 1969

\*See Instructions on Reverse Side  
GEOLOGICAL SURVEY  
HOBBS, NEW MEXICO