

Form 9-331  
(May 1963)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)Form approved.  
Budget Bureau No. 42-R1424.

## 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.)

5. LEASE DESIGNATION AND SERIAL NO.

NM-052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mescalero Ridge Unit 35

9. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Pearl Queen

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

35-19S-34E

12. COUNTY OR PARISH

Lea

13. STATE

NM

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Water Injection Well2. NAME OF OPERATOR ARCO Oil and Gas Company  
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR

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

1980' FSL &amp; 1980' FWL (Unit letter K)

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JUL 19 1979

14. PERMIT NO.

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

3705' GR

U. S. GEOLOGICAL SURVEY  
HOBBS, NEW MEXICO

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) Repair Water flow Behind 5 1/2" ☒ Csg.(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

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.)\*

RU 6/27/79, killed well, inst BOP, POH w/pkr & tbg. Ran Vertilog, CBL, TOC @ 3310'. Perf' 5 1/2" csg 3230-3232' w/2 JSPF. RIH w/pkr & RBP, set BP @ 4398', spotted 2 sx sd on top, set pkr @ 3190'. Broke circ thru perfs. POH w/pkr. RIH w/cmt retr, set @ 3130'. Squeezed thru retr w/100 sx Cl C cmt w/5/10 CFR-2, 6# salt/sk, 50 sx Cl C, 5/10 CFR-2. Squeeze press 2000#. RO 1/2 bbl cmt. Temp survey indicated TOC @ 3000'. Perf'd 1800-1802' w/2 JSPF. RIH w/cmt retr, set @ 1760'. Squeezed perfs w/100 sx Cl C cont'g 5/10 of CFR-2, 6# salt/sk & 50 sx Cl C w/5/10 of CFR-2. Squeezed to 1350#. RO 3 sx cmt to pit. WOC. Temp survey indicated TOC @ 1200'. Perf'd squeeze holes 1098-1100' w/2 JSPF. RIH w/cmt retr, set @ 1061'. Squeeze cmtd perfs 1098-1100' w/200 sx Cl C cont'g 6# salt/sk, 5/10 CFR-2 & 50 sx Cl C w/5/10 CFR-2. Squeeze press 1200#. RO 16 sx cmt to pit. Temp survey indicated cmt @ 600' FS. Perf'd 400-402' w/2 JSPF. Swaged csg & pmpd 200 sx Cl C Neat thru perfs @ 600'. Closed braden hd, held 350# surf press. Displ csg to 350# w/8 BFW. WOC. Drld out cmt to 415'. Press tstd squeeze job to 1000# 30 mins OK. Drld cmt 1035-1061', retr @ 1061' & 2' cmt. CO to 1113'. Press tstd squeeze holes to 1000# 30 mins OK. Tagged cmt @ 1748', drld cmt to 1760', cmt retr @ 1760' & 40' cmt. CO hole to 1837'. Press tstd to 1000# 30 mins OK. Drld retr @ 3130', cmt to 3263'. Press tstd squeeze job to 1000# 30 mins OK. CO sd off to of RBP. Latch onto BP & POH. RIH w/2-3/8" OD plastic coated tbg flow regulator, Lok-set pkr, circ tbg/csg annulus w/corrosion inhibited water. Set pkr & conn up WH for water inj. On 2/15/79 injected 179 BW, 1950#. Final Report.

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

SIGNED

SPK for L.D. LANE

TITLE Dist. Dir.

DATE

7/17/79

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED FOR RECORD  
JUL 23 1979  
U. S. GEOLOGICAL SURVEY  
HOBBS, NEW MEXICO

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JUL 24 1973

O.C.D. HOBBS, OFFICE