

Form 9-331
(May 1963)UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

NM-0557371

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.)7. UNIT AGREEMENT NAME
Empire Abo Pressure
Maintenance Project8. FARM OR LEASE NAME
Empire Abo Unit "L"

9. WELL NO.

171

10. FIELD AND POOL, OR WILDCAT
Empire Abo11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

1-18S-27E

12. COUNTY OR PARISH 13. STATE

Eddy

N.M.

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. 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

670' FSL & 300' FWL (Unit letter M)

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

14. PERMIT NO.

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

3588.6' GR

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 ☐WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other) Log, Run 5 1/2" Csg, Cmt, Complete X

(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.)*

On 5/31/79 ran Directional Survey @ 4780'. Indicated 75'W 122'N. Fin drlg 7-7/8" hole to 6300' @ 9 AM 6/6/79. Ran GR-DLL w/RXO, CNL-GR-FDC logs. RIH w/5 1/2" OD 15.5# K-55 csg, set @ 6255'. DV tool set @ 3996', FC set @ 6255'. Cmtd 1st stage w/400 sx Howco Lite, 5# Gilsonite, 4# flocele, 6# salt/sk & 200 sx Cl C cmt 50/50 Pozmix, 2% gel, 6/10 of 1% Halad-9 w/6# salt/sk. PD @ 12:30 PM. Circ 60 sx cmt to pit. Cmtd 2nd stage w/1000 sx Howco Lite w/5# Gilsonite, 4# flocele, 6# salt/sk followed by 100 sx Cl C w/6# salt/sk. Circ 120 sx cmt to pit. WOC 72 hrs. Drld DV tool @ 3996', ran bit to 6255'. Press tstd csg to 1000# 30 mins OK. Ran CBL, good bond to 5780', fair bond to 3950'. Perf'd Abo w/2 JSPF 6190-6202'. RIH w/2-3/8" OD tbg & 5 1/2" pkr, set pkr @ 6168'. Acidized perfs 6190-6202' w/ 150 gals 15% HCL-LSTNE-FE acid, 1000 gal gelled CaCl wtr, 1000 gal gelled LC, 1000 gal 15% HCL-LSTNE-FE acid. In 9 hrs swbd 3 BO & 91 BW. RIH w/cmt retr, set retr @ 6180'. Cmt squeezed perfs 6190-6202' w/75 sx Halad-9 w/6/10 of 1% & 50 sx Cl C cmt w/2% CaCl. Press up to 3000#. RO 15 sx cmt, WOC. Perf'd Abo 6126-6136' w/2 JSPF. RIH w/pkr on 2-3/8" OD tbg, set pkr @ 6090'. Acidized perfs 6126-36' w/150 gals 15% HCL-LSTNE-FE acid, 1500 gals 10# gelled CaCl wtr, 1000 gal gelled LC, 1000 gal 15% HCL-LSTNE-FE acid. Swbd 48 BO in 4 hrs. Kicked off flwg. On 24 hr potential test 7/3/79 flwd 222 BO, 0 BW & 194 MCFG, 70# FTP on 48/64" ck, GOR 879:1. Final Report.

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

SIGNED

[Signature]

TITLE Dist. Drlg. Supt.

DATE 7/12/79

(This space for Federal or State office use)

APPROVED BY

[Signature] J. STALL

CONDITIONS OF APPROVAL, IF ANY:

TITLE ACTING DISTRICT ENGINEER

DATE JUL 13 1979