

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.

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 different reservoirs.
Use "APPLICATION FOR PERMIT—" for such proposals.)

7. UNIT AGREEMENT NAME

Empire Abo Pressure
Maintenance Project

8. FARM OR LEASE NAME

Empire Abo Unit "M"

9. WELL NO.

132

10. FIELD AND POOL, OR WILDCAT

Empire Abo

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

11-18S-27E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

1. OIL ☒ WELL GAS ☐ WELL OTHER ☐

AUG 13 1979

2. NAME OF OPERATOR ARCO Oil and Gas Company

Division of Atlantic Richfield Company

D. C. C.

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

AUG 8 1979

625' FNL & 175' FWL (unit letter D)

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

14. PERMIT NO.

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

3540.6' 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*

CHANCE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Log, run csg, complete

(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.)*

Fin drlg 7-7/8" hole to 6200' TD @ 8:15 PM 12/31/78. Ran CNL/FDC w/caliper, DLL/RXO logs. RIH w/5 1/2" OD 15.5# K-55 csg, set @ 6190'. Pengo pkrs set @ 6029' & 6041'. FC set @ 6152'. SC set @ 4006'. Ran GR Corr log. Set Pengo pkrs. Cmdt 5 1/2" OD csg 1st stage w/20 BFW, 500 gals Chem Wash, 10 BFW, 250 sx Dowell LW cmt w/10# 20/40 sd, 5# 100 mesh sd & 5# gilsonite/sk followed by 200 sx RF cmt. BP @ 7:24 PM 1/2/79. Opened SC @ 4006' & cmdt 2nd stage w/10 BFW, 950 sx Dowell LW cmt w/8# salt/sk & 100 sx Cl C cmt w/8# salt/sk. PD @ 11:27 PM 1/2/79. Circ 200 sx cmt to pit. WOC 72 hrs. RIH w/bit, drld cmt, DV tool @ 4006'. Ran bit to FC @ 6152'. Press tested 5 1/2" OD csg to 1500# 30 mins OK. Ran CBL, OK. RIH w/pkr on 2-3/8" OD tbg, set pkr @ 5891'. Opened Pengo top sleeve @ 6089', btm sleeve would not open. Acidized Abo 6030-6040' w/150 gals 15% HCL-LSTNE-FE acid, 1000 gal gelled CaCl wtr, 1000 gal gelled LC, 1500 gal same acid, flushed w/26 BLC. On 1/13/79 opened to tank & flwd 22 BLO, 98 BNO & 28 BLW on 20/64" ck in 15 hrs. RIH w/cmt retr, set @ 6003'. Sqzd Pengo tool @ 6034' w/100 sx LWL cmt & 50 sx Cl C cmt w/2% CaCl. Squeeze press 3000#. RO 24 sx cmt. WOC. DO cmt retr @ 6003', cmt to 6083'. CO hole to 6148'. Press test squeeze job to 1500# 30 mins OK. Perf'd Abo 6090-6100' w/2 JSPF. RIH w/2-3/8" OD tbg & single grip pkr. Set pkr @ 6063'. Trtd perms 6090-6100' w/150 gals 15% HCL-LSTNE-FE acid, unable to break @ 2500#. SION. Acidized perms 6090-6100' w/150 gals 15% HCL-LSTNE-FE acid, 1500 gal gelled CaCl wtr, 1500 gal gelled LC, 1000 gal 15% HCL-LSTNE-FE acid, flushed w/24 BLC. In 5 hrs swbd 37 BO, 18 BW, kick off flwg. On 24 hr potential test 8/2/79 pmpd Abo perms 6090-6100', 84 BO, 0 BW & 106 MCFG, GOR 1262:1. Final Report.

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

SIGNED

SRK for L.D. LANE

TITLE

Dist. Drlg. Supt.

DATE

8/6/79

(This space for Federal or State office use)

APPROVED BY

(Orig. Sgd.) ALBERT R. STALL

TITLE

ACTING DISTRICT ENGINEER

DATE

AUG 10 1979

CONDITIONS OF APPROVAL, IF ANY: