

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse 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 **ARCO Oil and Gas Company** ✓
Division of Atlantic Richfield Company

JUN 20 1979

3. ADDRESS OF OPERATOR

Box 1710, Hobbs, N.M. 88240

O. C. C.
ARTESIA, OFFICE4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

100' FSL & 430' FEL (Unit letter P)

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14. PERMIT NO.

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

3521.4' GR

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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)

SUBSEQUENT REPORT OF:

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

On 5/2/79 lost circ while drlg 7-7/8" hole @ 5800' & 5869'. Spotted 500 gals SAFE Mark III w/100 sx Thik-set cmt. Pmpd 60 bbls brine, 5 bbls spacer, 500 gal SAF Mark III, 5 bbls spacer 100 sx C1 H Thik-set cmt. Flushed w/80 BBW. WOC 8 hrs. Drld out cmt to 5918' & lost circ. Pmpd 40 bbls brine, 5 bbls spacer, 500 gal SAF Mark III, 5 bbls spacer, 80 bbls brine. WOC. Drld cmt @ 5918' w/full returns. Fin drlg to 6159' @ 10:45 AM 5/6/79. Ran GR-DLL-MLL, CN-CDL, fracture finder bond log, Comp Densilog, Comp Neutron & Temp-Trol logs. RIH w/5 1/2" OD 15.5# K-55 csg, set @ 6159'. DV tool @ 4012'. Cmtd 1st stage w/200 sx BJ Lite cmt w/5# salt/sk, 1/4# celloflake/sk, 2% CaCl followed by 150 sx Sure-fill w/2% CaCl. No cmt circ thru DV tool. Cmtd 2nd stage w/950 sx Surefill cmt w/2% CaCl. Plug failed to bump DV tool open. Closed head in w/1750#. Circ out 185 sx cmt. WOC 72 hrs. RIH w/bit, drlg out DV tool, CO to 6126'. Press tested csg to 1500# 30 mins OK. Ran CBL, OK, across Abo reef. Found leak behind 5 1/2" csg @ 3941-3957'. Perf'd 2 JSPF 3947-3949'. RIH w/cmt retr, set @ 3874'. Squeeze cmtd perfs w/75 sx LWL cmt, 50 sx C1 C w/2% CaCl. WOC. Drld cmt & cmt retr 3870-3875', no cmt below retr. Press tested squeeze job to 1500#, no squeeze. Leak @ 3938-3981'. RIH w/cmt retr, set @ 3874'. Pmpd 250 gals 15% NE acid, broke perfs 3947-3949'. Pmpd 150 sx LWL cmt, rev out 83 sx. WOC. Drld retr @ 3874' & cmt to 4018'. CO hole to 6126'. Pressure tstd squeeze job to 1500# for 30 mins OK. Perf'd Abo 6026-6036' w/2 JSPF. RIH w/Model G DG pkr on 2-3/8" OD tbq, set pkr @ 5921'. Acidized perfs 6026-36' w/150 gals 15% HCL-LSTNE-FE acid, 1000 gal gelled 10# CaCl wtr, 1000 gal gelled LC, 1000 gal 15% HCL-LSTNE-FE acid, flushed w/26 BLC. In 9 hrs swbd 34 BLO & 39 BLW. Acidized perfs w/1000 gal gelled 10# CaCl wtr, 1500 gal gel LC & 3000 gal 15% HCL-LSTNE-FE acid, flushed w/26 BLC. Swbd 8 hrs rec 8 BLO, 13 BLW & 70 BFW. POH w/pkr & tbq. (Cont'd on attached sheet)

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

SIGNED

*SRK for L.D. Lane*TITLE Dist. Drlg. Supt.DATE 6/14/79

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACTING DISTRICT ENGINEER

DATE

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Empire Abo Unit "L" #122
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RIH w/cmt retr, set @ 6001'. Squeeze cmtd Abo perfs 6026-36' w/75 sx LWL cmt followed by 50 sx C1 C cmt w/2% CaCl. WOC. Perf'd Abo 5966-76' w/2 JSPF (20 - .43" holes). RIH w/Model R pkr, SN on 2-3/8" OD tbg, set pkr @ 5848'. Acidized Abo perfs w/150 gals 15% HCL-LSTNE-FE, 1000 gal 10# CaCl wtr, 1000 gal gelled LC, 1000 gal 15% HCL-LSTNE=FE acid, flushed w/24 BLC. Swbd 1 hr, rec 18 BLO & 0 BLW. Well kicked off & flwd 53 BO & 5 BW on 3/4" ck, 60# FTP. On 24 hr potential test 6/10/79 flwd 172 BO, 0 BW & 205 MCFG on 48/64" ck, FTP 75#. GOR 1192:1. Final Report.

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