

N. M. O. C. C. COPY
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
SUBMIT IN TRIE
(Other instruction
verse 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.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. NM 025604	
2. NAME OF OPERATOR Atlantic Richfield Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 1710, Hobbs, New Mexico 88240		7. UNIT AGREEMENT NAME Empire Abo Pressure Maintenance Project	
4. LOCATION OF WELL (Report location clearly and in accordance with any State Regulations. See also space 17 below.) At surface 2485' FEL & 20' FSL (Unit letter O)		8. FARM OR LEASE NAME Empire Abo Unit "L"	
14. PERMIT NO. OCT 4 1976		9. WELL NO. 111	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3510' GR		10. FIELD AND POOL, OR WILDCAT Empire Abo	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 3-18S-27E	
		12. COUNTY OR PARISH Eddy	13. STATE N.M.

16. O. C. C. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

ARTESIA, OFFICE 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) Log, DST, Run Prod Csg, Perf & X

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.)*

Finished drlg 7-7/8" Hole to 6021' TD @ 7:15 AM 8/22/76. Ran GR Neutron, Dual LL w/caliper, Sonic, Comp Neutron Fm Density. DST #1, 5542-5567 Abo. Opened tool @ 5:27 AM 8/25/76 w/ strong blow gas to surf in 1 1/2 mins. Tested 1 hr, rec 1177 MCFGPD, no fluid, FTP 210#. Sep press 90#, 3/4" ck. Closed tool @ 7:22 AM 8/25/76. DST #2, 5604-29' Abo. TO w/strong blow, flwd 1 hr to pit for cleanup. Tested 1 1/2 hrs, rec 13.2 MCFGPD, no fluid. DST #3, 5650-75' Abo. TO @ 12:10 PM 8/25/76. Flwd 1 hr to pit for clean up. Tested 1 hr, rec 16 MCFGPD w/ light spray of oil TSTM. FTP 110#, sep press 95# on 3/4" ck. Closed tool @ 2:30 PM. DST #4, 5712-37' Abo. Opened tool @ 3:35 PM 8/25/76. Flwd 2 hrs to pit for clean up. Tested 1 hr, rec 257 MCFGPD w/no fluid. FTP 50#, sep 30# on 3/4" ck. Closed tool @ 6:38 PM 8/25/76. DST #5, 5778-5803'. TO @ 7:40 PM 8/25/76. Flwd 3 hrs to pit for clean up. Tested 1/2 hr, rec 7 MCFGPD w/no fluid, FTP 2#, Sep 0#. Closed tool @ 11:00 PM 8/25/76. RO, rec 2 BO. POH w/test tools. Ran 232' of 5 1/2" OD 15.5# csg on btm & 5789' 5 1/2" OD 14# J-55 csg on top, FC @ 5985' & DV tool @ 4021'. FS on btm. Csg set @ 6021'. Cmdt 5 1/2" OD csg w/608 sx Cl C 50/50 Poz cont'g 2% gel, 8# salt/sk, .8% CR & 5# Gilsonite/sk. PD @ 8:30 PM 8/26/76 w/2000#. Open stage collar @ 4021' & circ out 60 sx cmt. Cmdt 2nd stage thru DV tool w/1040 sx LW cmt cont'g 8# salt/sk & 100 sx Cl C cont'g 8# salt/sk. Bumped plug & closed collar w/2000# @ 3:45 AM 8/27/76. Circ 75 sx cmt. WOC 48 hrs. WIH w/bit & drld DV tool @ 4021' & cmt 5905-5984'. 5984' PBD. Press tstd csg to 1500# for 30 mins, OK. Ran TDT log 5984-5000'. Ran CNL-CBL 5984-5000'. Perf'd 5 1/2" csg 5699-5714' w/2 JSPF. RIH w/2-3/8" tbg & 5 1/2" pkr, set pkr & trtd perfs 5699-5714' w/2000 gals 15% HCL-LSTNE acid. MP 4500#, Min 2900#, ISIP 2100#, 10 mins vac. Swbd perfs 5699-5714' 2 hrs, rec 17 BLO & 3 BLW. Started flwg, in 2 hrs, rec 8 BLO, 12 BNO & 1 BLW. (cont'd on attached Page #2)

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

SIGNED Joe D. Lara TITLE Dist. Drlg. Supv. DATE 9/28/76

(This space for Federal or State office use)

APPROVED BY Joe D. Lara TITLE ACTING DISTRICT ENGINEER DATE SEP 30 1976
CONDITIONS OF APPROVAL, IF ANY:

Form 9-331

Empire Abo Unit "L" #111

September 28, 1976

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On 1 hr test prod $6\frac{1}{2}$ BO ARO 159 BOPD & 5.9 MCFG ARO 142 MCFGPD, 0 BW. FTP 40#, GOR 893:1. POH w/tbg & pkr. RIH w/cmt retr, set retr @ 5635' & squeezed perfs 5699-5714' w/100 sx Cl C cont'g .6% Halad 9 followed by 75 sx Cl C Neat. Max & final press 4000#. Closed retr & RO 45 sx cmt. Drld cmt retr & tstd squeeze job to 1500# 30 mins OK. Perf'd Abo 5952-5970' w/2 JSPF. Ran 2-3/8" OD EUE tbg & 5 $\frac{1}{2}$ " Lok-set pkr, set pkr @ 5875'. TP @ 5912'. Connected up wellhead 9/9/76. Trtd Abo perfs 5952-5970' w/4000 gals 15% HCL-LSTNE acid cont'g iron sequestrant. MP 4000#, Min 3500#, ISIP 1600#, 10 mins SIP 600#, vac in 20 mins. Flwd 6 hrs, rec 43 BO w/tr wtr on 3/4" ck, FTP 25#. Trtd perfs 5952-5970' w/6000 gals 15% HCL-xylene 50/50 mixture. MP 2780#, Min 840#, ISIP 1600#, 30 mins SIP 50#. 18 hr SITP vac. Flwd 22 hrs, rec 161 BO & 1 BW on 32/64" ck. FTP 75#, GOR 714:1. On 24 hr potential test 9/23/76 flwd 174 BO, 3 BW & 124 MCFG on 32/64" ck, FTP 110#, GOR 713:1. Final Report.