

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN THE
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC 065478 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Empire Abo Unit "M"

9. WELL NO.

121

10. FIELD AND POOL, OR WILDCAT

Empire Abo

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

10-T18S-R27E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

1.

OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P. O. 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

900' FEL & 10' FNL (Unit letter A)

14. PERMIT NO.

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

3511.2' 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)

SUBSEQUENT REPORT OF:

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

5 1/2" csg.

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.)*

Drld 7-7/8" hole to 5540' @ 7:15 AM 9/8/75. DST #1 - 5515-5540'. Opened tool @ 4:20 PM 9/8/75 w/weak blow & died. Tool opened @ 4:25 PM 9/8/75 w/weak blow. Flwd 30 mins, rec 0 BO, 0 BW & 0 MCFG. POH w/test tools, rec 5 gals DM. IHMP 2500#, IFP 33#, FFP 33#, FHMP 2466#. Drld 7-7/8" hole to 5590' @ 10:15 PM 9/9/75. DST #2 - 5565-5590'. Tool opened @ 10:20 PM 9/10/75. Fair blow, GTS in 33 mins, no fluid to surface. Flwd 2 hrs on 1" ck, FTP 3#, rec 0 BO & 0 BW. FARO 40 MCFPD. Closed tool @ 12:20 PM 9/10/75. IHP 2658, IFP 79, FFP 59, FHP 2539. Drld to 5695'. DST #3 - 5660-5695'. Tool opened @ 3:45 AM 9/12/75. No blow. Closed & opened tools, no blow. Tools plugged. DST #4 - 5650-5695'. Tool open @ 2:45 AM 9/13/75, good blow of gas in 5 mins. Flwd 1 hr, no oil to surf. Closed tool @ 3:45 AM for 2 hr BHP. Rev out 15 BO & 2 bbls sulphur wtr. IHP 2660, IFP 296, FFP 711, 2 hr SIP 1223. Core #1 - 5695-5713', rec 18', lime, shale & dolomite. Core #2 - 5713-5737', rec 24', lime, shale & dolomite. Core #3 5737-5781', rec 44', dolomite. Core #4 5781-5815', rec 34', dolomite. Reamed hole 5695-5815'. Drld to 6200' TD @ 2:30 PM 9/19/75. Ran Gamma Ray Neutron log 5200-6200' & Dual Laterolog w/Gamma Ray 4700-6199'. Ran 5 1/2" OD 14# K-55 csg w/FS, FC & DV tool. Set csg @ 6200' w/FC @ 6154' & DV tool @ 4198'. Cmt'd in 2 stages. Stage #1 - pmpd 500 gal SAM-4 mud flush followed by 550 sx Cl C 50/50 Pozmix w/2% gel, .6% CFR-2 & 8# salt/sk. Bumped plug w/2000# @ 4:15 PM 9/20/75. Opened DV tool & circ out 161 sx cmt. Stage #2 - cmt'd thru DV tool @ 4198' w/675 sx HLW, 8# salt/sk followed by 100 sx Cl C w/8# salt/sk. Circ 150 sx. Installed well head 9/21/75. Drld DV tool 4198-4201' & tstd 5 1/2" OD csg to 1500#. Tested OK. New PBD 6151'. Ran GR collar log. Perf'd Abo 5964-5991' (55 - .45" holes, 2 JSPF). Ran Lok-set pkr, on-off tool w/ 1.81 profile, 1 jt TP on 184 jts 2-3/8" tbg, set pkr @ 5836'. (cont'd on attached page 2.)

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

SIGNED

TITLE Dist. Drlg. Supv.

DATE 10/7/75

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OCT 10 1975
J. L. BEEKINLEY
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

Form 9-331

10/7/75

Empire Abo Unit #M-121

Page 2

Flanged up well head on 9/28/75. Acidized perfs 5964-5991' w/4000 gals 15% HCL-LSTNE w/iron sequestrant followed by 2000 gals Para-clean 50/50 ratio, 15% HCL-LSTNE/xylene. Flushed w/12 BLC. MP 3300#, Min 2200#, ISIP 300#, vac in 1 min. Swbd Abo perfs 5964-5991' 5 hrs, rec 12 BLO, 22 BNO & 21 BLW. Flwd Abo 5964-5991' 18 hrs, 3/4" ck, FTP 100#, CP 0#, rec 256 BNO & 23 BLW. On 24 hr potential test 10/2/75 well flwd 517 BO & 12 BW, 36/64" ck, FTP 155#, GOR 853:1. Final Report. New Empire Abo Unit Oilwell.