

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐2. NAME OF OPERATOR **ARCO Oil and Gas Company**
Division of Atlantic Richfield Company3. ADDRESS OF OPERATOR
Box 1710, Hobbs, New Mexico4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
660' FSL & 250' FELAT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐

SUBSEQUENT REPORT OF:

☐☐☐☐☐☐☐☐

(other) Log, Run & Cmt Prod Csg, Acidize & Complete

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, 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 6100' @ 4:30 PM 4/18/79. Ran DIL, GR-N, Caliper. RIH w/ 5 1/2" OD 15.5# K-55 csg, set @ 6100'. DV tool @ 4001'. Cmtd 1st stage w/25 BW, 10 bbls SAM-5 spacer, 10 BFW, 225 sx HL cmt w/2% CaCl followed by 200 sx Cl C Thik-set cmt w/2% CaCl. Circ thru DV tool 3 hrs. Cmtd 2nd stage thru DV tool @ 4001' w/10 BFW, 20 sx Thin cmt, 925 sx Cl C Thik-set cmt w/2% CaCl. PD @ 12 PM. Circ 53 sx cmt on 1st stage & 85 sx cmt on 2nd stage. WOC 72 hrs. Drld DV tool @ 4001', cmt to 6024'. Perf'd Abo 6006-6016' w/2 JSPF. RIH w/pkr, set pkr @ 5911'. Trtd perfs w/150 gals 15% HCL-LSTNE-FE acid, 1500 gals gel wtr, 1500 gal gelled LC, 1000 gal 15% HCL-LSTNE-FE acid, flushed w/24 BLC. Swbd 32 BO, 21 BW in 3 hrs. POH w/pkr. RIH w/cmt retr, set @ 5971'. Cmtd perfs 6006-16' w/75 sx LWL cmt, 50 sx Cl C cmt w/2% CaCl. RO 58 sx cmt. WOC. Drld out cmt & retr. Press tstd squeeze job to 1500# 30 mins OK. Perf'd Abo 5942-5952' w/2 JSPF. RIH w/pkr on 2-3/8" OD tbg. Set pkr @ 5848' (cont'd on attached Page #2)

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED

TITLE Dist. Drlg. Supt. DATE 9/4/79

(This space for Federal or State office use)

(Orig. Sgd.) **ALBERT A. STALL** ACTING DISTRICT ENGINEER

SEP 07 1979

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE

NM-025604

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Empire Abo Pressure
Maintenance Project

8. FARM OR LEASE NAME

Empire Abo Unit "L"

9. WELL NO.

123

10. FIELD OR WILDCAT NAME

Empire Abo

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

3-18S-27E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3501.4' GR

SEP 10 1979

O. C. C.
ARTESIA, OFFICE

(NOTE: Report results of multiple completion zone change on Form 9-330.)

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Form 9-331
Empire Abo Unit "L" #123
Page 2

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Trtd perfs w/150 gals 15% NE-LSTNE-FE acid, 1500 gals CaCl 10# gelled wtr, 1500 gals gelled LC, 1500 gals 15% NE-LSTNE acid, flushed w/24 BLC. Swbd 32 BO, 13 BW. In 9 hrs swbd 41 BO, 112 BW. Squeeze Abo perfs to reduce water w/250 gals Saf Mark II, 5 bbls 2% KCL wtr spacer, 250 gals Saf-Mark II, flush w/24.5 BW. In 9 hrs swbd 34 BNO, 106 BFW. On 24 hr potential test 8/25/79 pmvd 27 BO, 5 BW & 81 MCFG, GOR 3000:1.
Final Report.

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