

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 well ☒ gas well ☐ other ☐
2. NAME OF OPERATOR ARCO Oil & Gas Company
Division of Atlantic Richfield Company
3. ADDRESS OF OPERATOR
P. O. Box 1710, Hobbs, New Mexico 88240
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 610' FSL & 1980' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: As Above

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

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) N/A

☐
☐
☐
☐
☐
☐
☐
☐
☐

Squeeze existing perfs
Complete lower in reef

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.)*

1. Rigged up on 10/30/80, POH w/comp assy. CO hole to 6035'. Ran GR-CNL.
2. Set cmt retr @ 5814'. Cmt squeezed perfs 5847-5892' w/100 sx LWL cmt left 28' cmt on top of retr. WOC.
3. RIH w/ RBP & pkr. Set BP @ 5481', pkr @ 5288'. Press test squeeze job to 1500# for 30 mins, OK.
4. Re-set BP @ 5288', pressured up csg, located csg leak @ 3015-3046'. Ran CBL, indicated TOC behind 5 1/2" csg @ 4500'.
5. Perf'd 4 squeeze holes @ 3015'.
6. RIH w/ cmt retr, set retr @ 2960'. Squeeze cmt thru holes @ 3015' w/900 sx Light cmt w/10# salt, 1/4# flocele/sk followed by 250 sx Cl C cmt w/2% CaCl₂, circ cmt to surf closed BH valve & squeezed 250 sx cmt into formation. WOC. Drld out cmt & retr to 3080'. Press tested csg to 1000# for 30 mins, OK.

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

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

SIGNED George D. Schmidt TITLE Dist. Drlg. Supt. DATE 12/26/80

ACCEPTED FOR RECORD
(This space for Federal or State office use)

PETER W. CHESTER

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

JAN 2 1981

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

*See Instructions on Reverse Side

5. LEASE
NM-025604

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Empire Abo Pressure Maintenance Project RECEIVED

8. FARM OR LEASE NAME
Empire Abo Unit "L"

9. WELL NO.
11

JAN 05 1981

10. FIELD OR WILDCAT NAME
Empire Abo

O.C.D.
ARTESIA OFFICE

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)
3512' GL

DEC 31 1980

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

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

GPO : 1976 O - 214-149

7. Rec BP @ 5288'. Drld cmt & cmt retr @ 5814'. Press tested csg & squeeze jobs to 1000# for 30 mins, OK.
 8. Perf'd w/2 JSPF lower in Abo 5940-5954' & 5958-5966'.
 9. RIH w/pkr, set pkr @ 5913', loaded tbg w/150 gals 15% NE-FE acid, 815 gals CaCl_2 wtr, pmpd 150 gals acid, 1000 gals CaCl_2 wtr thru perfs 5940-5966', followed by 1000 gals gelled oil, 1500 gals acid & flushed w/ 966 gals oil. Swbd 1 BW in 2 swab runs, 1 hr intervals. POH w/ pkr.
 10. Set cmt retr @ 5910'. Squeezed cmt thru retr w/ 75 sx Cl C w/ 6/10% Halad-9, 50 sx Cl C w/2% CaCl_2 . POH w/tbg, installed wellhead valve, shut in for further evaluation. TA eff: 12/8/80, workover unsuccessful.
- FINAL REPORT.