

**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 and Gas Company**
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR
Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1186' FSL & 200' FEL
AT SURFACE: as above
AT TOP PROD. INTERVAL: as above
AT TOTAL DEPTH: as above

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

5. LEASE
NMO25604

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.
121

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 | 13. STATE
Eddy | N.M.

14. API NO.
30-015-22062

15. ELEVATIONS (SHOW DF, KDB, AND WD)
3509.3' GR

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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* ☐

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DEC 20 1979

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

O. C. D.

ARTESIA, OFFICE

DEC 19 1979

(other) Squeeze & Complete Lower in Reef

U.S. GEOLOGICAL SURVEY**ARTESIA, NEW MEXICO**

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.)*

Propose to squeeze present Abo perms & complete lower in reef in the following manner:

1. Rig up, kill well, install BOP, POH w/compl assy.
2. RIH w/cmt retr, set @ 5900'.
3. Squeeze perms 5936-5956' w/LWL cmt w/volume to be determined. WOC.
4. Drill out cmt retr & cmt. CO to 6060'. Press test squeeze job to 1500# 30 mins.
5. Perforate Abo lower 6010-6028' w/2 JSPF.
6. RIH w/pkr, set @ 5980'.
7. Treat perms 6010-28' w/150 gals 15% HCL-LSTNE-FE acid, 1500 gals gelled CaCl wtr, 1500 gals gelled LC, 1500 gals 15% HCL-LSTNE-FE acid, flush w/LC. Run treatment survey.
8. Swab test & return to production.

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

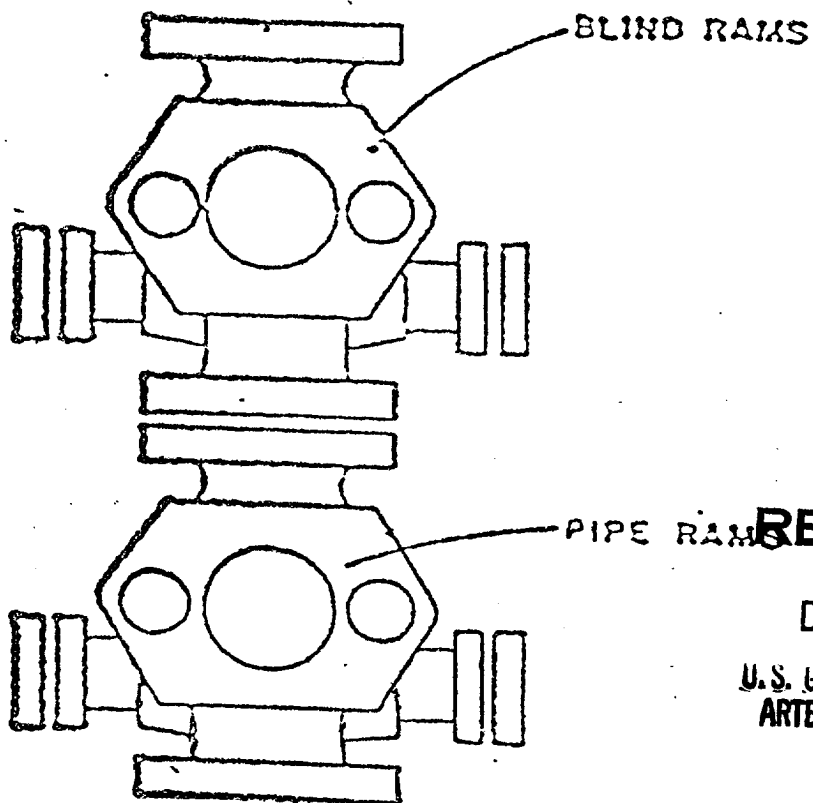
18. I hereby certify that the foregoing is true and correct

SIGNED *George H. Stewart* TITLE Dist. Drlg. Supt. DATE 12/18/79

(This space for Federal or State office use)

APPROVED BY GEORGE H. STEWART TITLE DISTRICT ENGINEER DATE DEC 19 1979

CONDITIONS OF APPROVAL, IF ANY:



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U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

ATLANTIC RICHFIELD COMPANY
Blow Out Preventer Program

Lease Name Empire Abo Unit "L"

Well No. 121

Location 1186' FSL & 200' FEL
Sec 3-18S-27E, Eddy County

BOP to be tested before installed on well and will be maintained in good working condition during drilling. All wellhead fittings to be of sufficient pressure to operate in a safe manner.