

**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:    660' FNL & 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:

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

## SUBSEQUENT REPORT OF:

RECEIVED  
OCT 30 1980  
U.S. GEOLOGICAL SURVEY  
HOBBS, NEW MEXICO

5. LEASE  
LC-054453

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Duthie Andrews WN9. WELL NO.  
4

10. FIELD OR WILDCAT NAME

Langlie Mattix 7 R Qn

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

19-23S-37E

12. COUNTY OR PARISH    13. STATE  
Lea    N M14. API NO.  
30-025-2507015. ELEVATIONS (SHOW DF, KDB, AND WD)  
3328' GL

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

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.)\*

Present production is 70 MCF/GPD & 1 BOPD. Propose to clean out to 3695' and add new L-M 7 Rivers Qn perfs, acidize and treat, return to production in the following manner.

1. Rig up, POH w/ rods & pump, kill well, install BOP. POH w/ tbg.
2. Drill out from 3673' PBD to approx 3695'.
3. Perforate additional 7 R Qn Zone 3386-3684' (30 holes).
4. RIH w/ pkr, set pkr @ 3250'.
5. Acidize new perfs 3386-3684' & old perfs 3463-3603' w/ 3000 gals 15% HCl using BAF & rock salt as blocking agent.
6. Frac treat all perfs w/15,000 gals gelled fluid, 15,000 gals CO<sub>2</sub> & 57,000# sd in 3 stages using BAF & rock salt as diverting agent.
7. Flow back load & clean out fill if necessary. POH w/pkr & tbg.
8. RIH w/ comp assy, return to production.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Jerry W. Schmidt TITLE Dist. Drlg. Supt. DATE 10/27/80

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

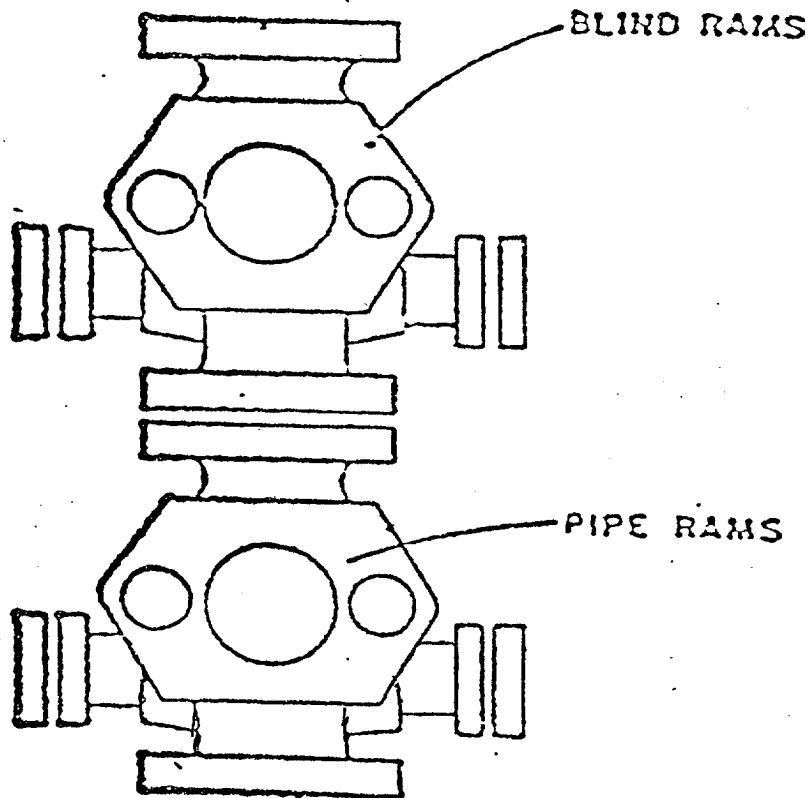
TITLE \_\_\_\_\_

DATE \_\_\_\_\_

APPROVED

NOV 3 1980

DISTRICT SUPERVISOR



ATLANTIC RICHFIELD COMPANY  
Blow Out Preventer Program

Lease Name Duthie Andrews WN

Well No. 4

Location 660' FNL & 1980' FEL

Sec 19-23S-37E, Lea County, N M

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.