

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 Injection Well

2. NAME OF OPERATOR ARCO Oil and Gas Co., Div. of Atlantic Richfield Company

3. ADDRESS OF OPERATOR 707-17th Street, P.O. Box 5540, Denver, Co. 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) (Unit F) SE NW, AT SURFACE: 2069' FNL & 1710' FWL, Sec.4 AT TOP PROD. INTERVAL: Appx. same AT TOTAL DEPTH: Appx. same

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

5. LEASE SF-081226-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME Horseshoe Gallup Unit

8. FARM OR LEASE NAME Horseshoe Gallup Unit

9. WELL NO. 232

10. FIELD OR WILDCAT NAME Horseshoe Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4 -T30N-R16W

12. COUNTY OR PARISH: 13. STATE San Juan - New Mexico

14. API NO. None

15. ELEVATIONS (SHOW DF, KDB, AND WD) 5338' GL

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

|                                     |                          |                          |
|-------------------------------------|--------------------------|--------------------------|
| TEST WATER SHUT-OFF                 | <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT                      | <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE                    | <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL                         | <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING                | <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE                   | <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES                        | <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON*                            | <input type="checkbox"/> | <input type="checkbox"/> |
| (other) X <u>-Polymer Injection</u> |                          |                          |

RECEIVED  
AUG 19 1983  
BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA  
RECEIVED  
AUG 30 1983  
OIL CON. DIV.  
DIST. 3

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.)\*

ARCO Oil and Gas Company desires to implement a polymer augmented waterflood in the Horseshoe Gallup Unit in an area that is currently being waterflooded. This well is one of eight wells in which we propose to inject polymer to recover additional oil not attainable through normal waterflooding.

We made application with the State of New Mexico (Form C-108, ("Application for Authorization to Inject"), to inject polymer into this well.

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

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

SIGNED Stephen Rose TITLE Dist. Prod. Supt DATE August 16, 1983  
S. C. Rose

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE AUG 24 1983  
CONDITIONS OF APPROVAL IF ANY: Robert Moore for  
M. MILLENBACH  
AREA MANAGER