

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(*Other instructions on re-
verse side)

Form approved.
Budget: Bureau No. 1004-0135
Expires August 31, 1985

3. LEASE DESIGNATION AND SERIAL NO.

14-20-603-733

3. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	UNIT AGREEMENT NAME Navajo
2. NAME OF OPERATOR ARCO Oil and Gas Company, Div. of Atlantic Richfield Company	UNIT AGREEMENT NAME Horseshoe Gallup Unit
3. ADDRESS OF OPERATOR 707-17th Street P.O. Box 5540, Denver, CO 80217	3. FARM OR LEASE NAME Horseshoe Gallup Unit
4. LOCATION OF WELL: Report location clearly and in accordance with any State requirements. (See also space 17 below.) At surface Unit " A ", 330' FNL & 457' FEL, Sec.6 No API No. Assigned	4. WELL NO. 125
14. PERMIT NO.	10. FIELD AND POOL, OR WILDCAT Horseshoe Gallup
15. ELEVATIONS (Show whether OF, TO, OR, etc.) 5398' GL	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec.6-30N-16W
	12. COUNTY OR PARISH 13. STATE San Juan N.M.

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETS <input type="checkbox"/>	FRACURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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 requests your permission to plug and abandon the subject well.

HSGU Well #125 was originally completed 2-28-59 by the Petro-Atlas Inc. as an Upper Gallup producer. Production from this well declined to the point where it became uneconomical to operate, and the well was shut-in during April, 1967. At that time, this well was producing 1 BOPD. Most of the surface equipment, including the pump, has since been removed from the site. We do not foresee production from this well becoming profitable again in the future and, therefore, recommend permanent plugging and abandonment.

Attached is a P&A Procedure to plug this well.

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

SIGNED Stephen Rose
S.C. ROSE

TITLE Dist. Production Sup't

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE

SEP 04 1984

1st J. Stan May
M. MILLENBACH
AREA MANAGER

*See Instructions on Reverse Side

NMOC

Horseshoe Gallup Unit Producing Wells
Plugging and Abandonment Procedure

- 1) Move pumping unit off location.
- 2) MIRU. Pull rods and downhole pumping equipment.
- 3) RIH below the bottom perforation w/tbg. open ended. Pump sufficient cement inside casing to cover top perforation by 50'.
- 4) POH w/tbg. GIH w/wireline and perforate casing 150' above top of cement. Number of shots should be sufficient to allow cement squeeze. POH w/wireline. GIH w/tbg. open ended. Squeeze cement to provide 100' plug outside casing. Leave 100' plug inside casing as well. If squeeze is unsuccessful leave a 100' plug inside casing.
- 5) POH w/tbg. GIH w/wireline and perforate casing 50' below surface casing shoe. Number of shots should be sufficient to allow cement squeeze. POH w/wireline.
- 6) RIH w/tbg. open ended and perform bradenhead squeeze through the perforations. Amount of cement should be sufficient for a 100' cement column behind the casing, and for a 100' cement plug inside the casing.
- 7) POH w/tbg. Cut casing one foot below ground level, place a 30' cement plug inside casing. Weld a blind flange to casing, and weld a dry hole marker on blind flange. Fill hole and move off.
- 8) Rehabilitate location and access road using stipulations supplied by the Bureau of Land Management.

NOTE: BOP's will not be needed in most cases due to the very low pressure expected in the Gallup in the abandonment area. (Estimated at less than 250 - 300 psi bottom-hole) If pressure does register in any of these wells, bleed it off, install BOP's if needed, and commence with above procedure.

MANY ROCKS
PROJECT AREA

Location of wells to be
plugged & abandoned

HORSESHOE GALLUP
UNIT AREA

PAN AMERICAN
MOBAC UNIT
PARTICIPATION

LEGEND

- LOWER INJECTORS
- UPPER INJECTORS
- DUAL INJECTORS
- PARTICIPATION AREA
- PROPOSED LOCATION
- PROPOSED CONVERSION

MAP II

ARCO Oil and Gas Company
Division of Atlantic Richfield Company
ROCKY MOUNTAIN DISTRICT
DENVER, COLORADO

HORSESHOE - GALLUP UNIT
San Juan County, New Mexico

DRAFTED BY WEA DATE 8/30/88
MAP NO. 1000
SCALE 1" = 1 Mile