

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

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

LEASE DESIGNATION AND SERIAL NO.

14-20-604-1951

IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo - *unt*

UNIT AGREEMENT NAME

Horseshoe Gallup Unit

3. FARM OR LEASE NAME

Horseshoe Gallup Unit

2. WELL NO.

147

10. FIELD AND POOL, OR WILDCAT

Horseshoe Gallup

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

Sec. 28-31N-16W

12. COUNTY OR PARISH 13. STATE

San Juan N.M.

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 ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR ARCO Oil and Gas Company, 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 and in accordance with any State requirements.  
See also space 17 below.)

At surface Unit "C",

635' FNL & 3245' FEL, Sec. 28

No API No. Assigned

14. PERMIT NO.

15. ELEVATIONS (Show whether OP, RT, CR, etc.)

5750' GL

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETION ☐

ABANDON ☒

CHANGE PLANS ☐

WATER SHUT-OFF ☐

FRACURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

SUBSEQUENT REPORT OF:

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT ☐

(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 #147 was originally completed 3-23-60 by the El Paso Natural Gas Products Co. 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 1-31-77. At that time, this well was producing less than 3 BOPD. There is presently no pumping unit on this 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.

RECEIVED  
Bureau of Land Management

SEP 10 1984

SEP 14 1984

OIL CON. DIV.

Durango, Colorado

DIST. 3

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

SIGNED

*Stephen Rose*  
S.C. ROSE

TITLE Dist. Production Sup't.

DATE August 20, 1984

(This space for Federal or State office use)

APPROVED BY

*Judith A. Lent*

TITLE *Acting Area Manager*

DATE SEP 12 1984

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NMOCC

Horseshoe Gallup Unit Producing Wells  
Plugging and Abandonment Procedure

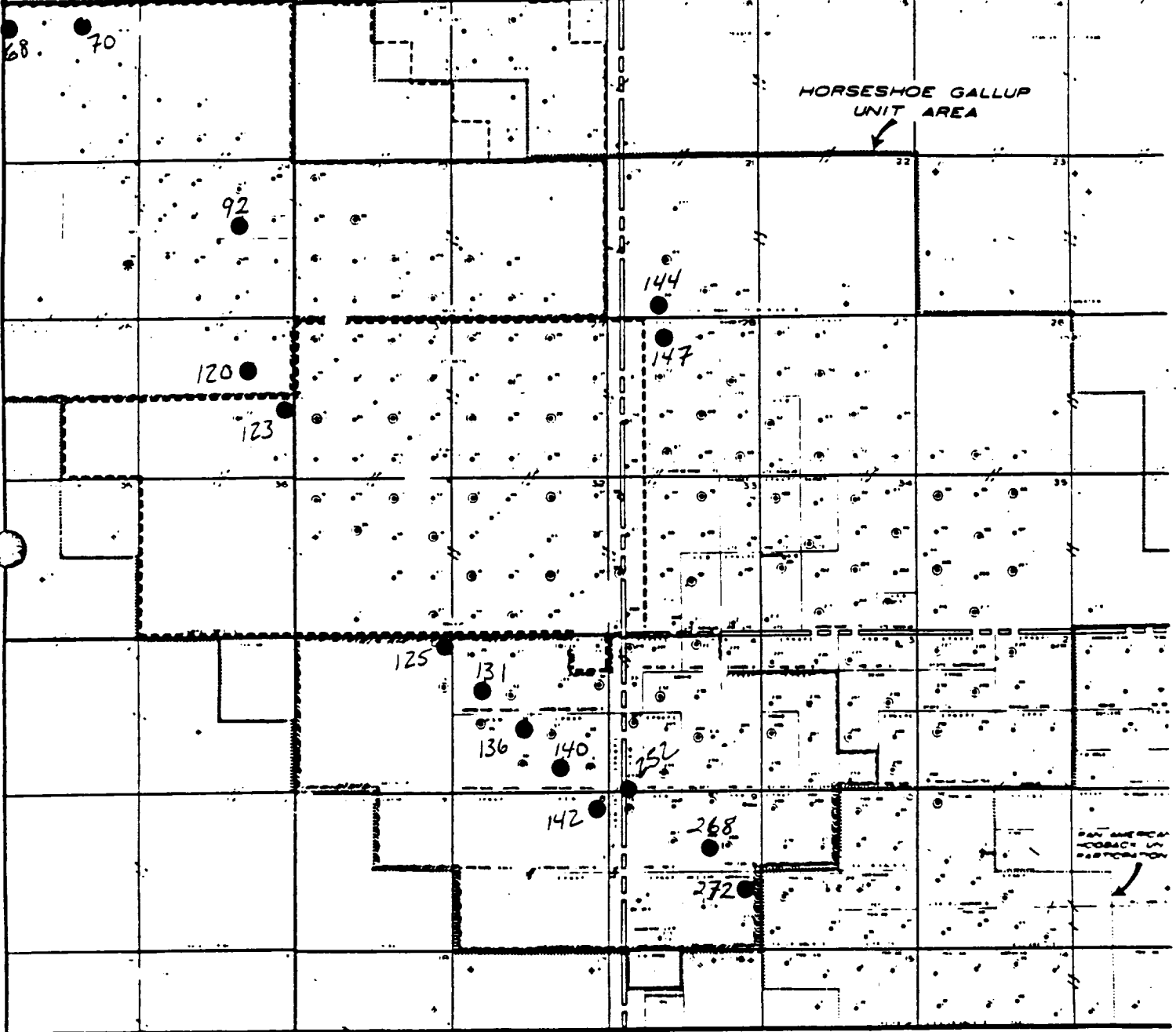
- 1) Move pumping unit off location.
- 2) MIRU. Pull rods and downhole pumping equipment.
- 3) RIH below the bottom perforation w/tbg. open ended. Pump sufficient cement inside casing to cover top perforation by 50'.
- 4) POH w/tbg. GIH w/wireline and perforate casing 150' above top of cement. Number 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 <sup>3</sup>~~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



# 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 W.E.A.

DATE 8/30/68

MAP NO.

FILE NO.