

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.  
14-20-603-2037

3. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo

4. UNIT AGREEMENT NAME  
Horseshoe Gallup Unit

5. FARM OR LEASE NAME  
Horseshoe Gallup Unit

6. WELL NO.  
123

10. FIELD AND POOL, OR WILDCAT  
Horseshoe Gallup

11. SEC. T. R. M. OR S.W. AND  
SURVEY OR AREA  
Sec. 25-31N-17W

12. COUNTY OR PARISH  
San Juan

13. STATE  
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 " I ",  
2310' FSL & 330' FEL, Sec. 25

No API No. Assigned

14. PERMIT NO.  
15. ELEVATIONS (Show whether OP, RT, GR, etc.)  
5762' GL

16. 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 COMPLETE ☐

ABANDON\* ☒

CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

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 #123 was originally completed 6-30-59 by the El Paso Natural Gas Products Co. as an Upper and Lower Gallup producer. Production from this well declined to the point where it became uneconomical to operate, and the well was shut-in 7-31-74. At that time, this well was producing less than 2 BOPD with a very high water cut. 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

SEP 13 1984

OIL CON. DIV.  
DIST. 3

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

SIGNED

Stephen Rose  
S.C. ROSE

TITLE Dist. Production Sup't.

August 20, 1984

(This space for Federal or State office use)

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

SEP 04 1984

\*See Instructions on Reverse Side

NMOCC

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

/s/ J. Stan McKee  
M. MILLENBACH  
AREA MANAGER

Horseshoe Gallup Unit Producing Wells  
Plugging and Abandonment Procedure

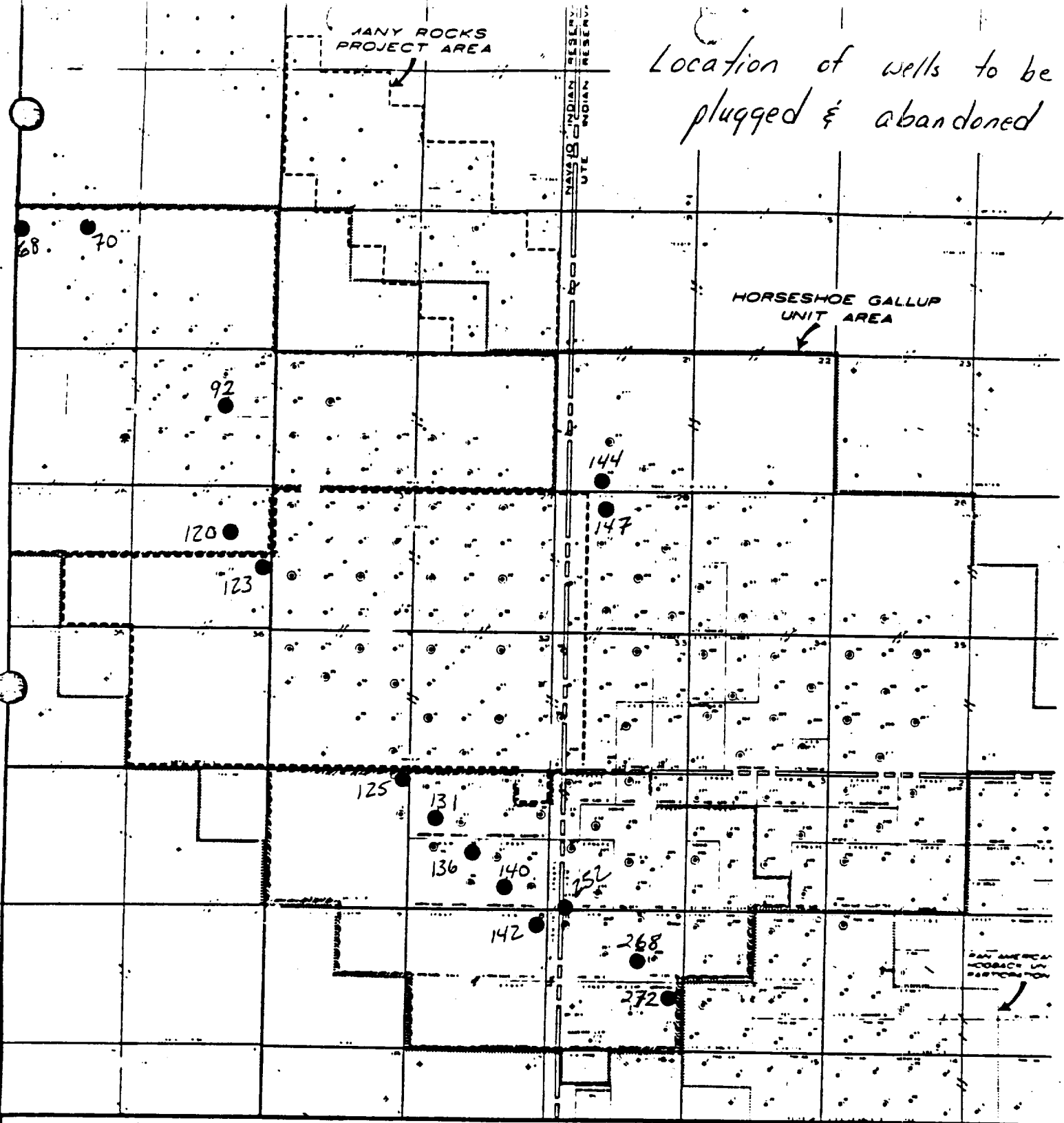
- 1) Move pumping unit off location.
- 2) MIRU. Pull rods and downhole pumping equipment.
- 3) RIH below the bottom perforation w/tbg. open ended. Pump sufficient cement inside casing to cover top perforation by 50'.
- 4) POH w/tbg. GIH w/wireline and perforate casing 150' above top of cement. Number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



# 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 8/30/8

SCALE 1" = 1 Mile

MAP NO. \_\_\_\_\_  
FILE NO. \_\_\_\_\_