UNITED STATES

SUBMIT IN TRIPLIC

OCHEP (astructions)

OF THE INTERIOR \*\*erre side) Form 3160-5 (November 1983) (Formerly 9-331) BUREAU OF LAND MANAGEMENT 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.)

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

LOCATION OF WELL Report location clearly and in accordance with any State requirements.\*

See also space 17 below.)

At surface IIn i + " 7 "

PULL OR ALTER CASING

MULTIPLE COMPLETE

A BANDON .

330' FNL & 330' FEL, Sec.8

Atlantic Richfield Company
ADDRESS OF OFERATOR 707-17th Street

NOTICE OF INTENTION TO:

OIL X

14. PERMIT 10.

16.

GA& WELL

Unit "

No API No. Assigned

TEST WATER SEUT-OFF

PRACTURE TREAT

SHOUT OR ACIDISE

Form approved.

UNITED STATES SUBMIT IN TRIPLICATE.	Expires August 31 1985
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BUREAU OF LAND MANAGEMENT	14-20-603-733
Y NOTICES AND REPORTS ON WELLS  If for proposals to drill or to deepen or plug back to a different reservoir.  If "APPLICATION FOR PERMIT—" for such proposals.)	3. IF INDIAN. ALLOTTEE OR TRIBE NAME
"APPLICATION FOR PERMIT—" (or such proposeus.)	Navajo
	GRIT AGEREMENT NAME
07262	Horseshoe Gallup Unit
O Oil and Gas Company, Div. of	S. PARM OR LEVER NAME
Richfield Company	Horseshoe Gallup Unit
707-17th Street	9. WHEL NO.
5540, Denver, CO 80217	142
re location clearly and in accordance with any State requirements.	10. PISES AND POOL, OR WILDCAT
· A ",	Horseshoe Gallup
FNL & 330' FEL, Sec.8	11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
signed engage of the sign of t	Sec.8-30N-16W
15. RESTATIONS (Show whether DF, RT, dk, etc.)	12. COUNTY OR PARISE 13. STATE
5297 'GL	San Juan N.M.
Check Appropriate Box To Indicate Nature of Notice, Report, or C	other Data
CR OF INTENTION TO: SUBSEQU	THE LANGE VE .

REPAIRING WELL

ALTERING CASING

abandon m bitto

CHANGE PLANS REPAIR WELL (Nors: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) Other 17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposes; work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and somes pertipropose: work If nent to this work)

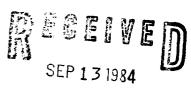
WATER SEUT-OFF

PRACTURE TREATMENT

ARCO requests your permission to plug and abandon the subject well.

HSGU Well #142 was originally completed 7-17-59 by 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 on 1-01-68. At that time, this well was producing less than 1 BOPD. 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.



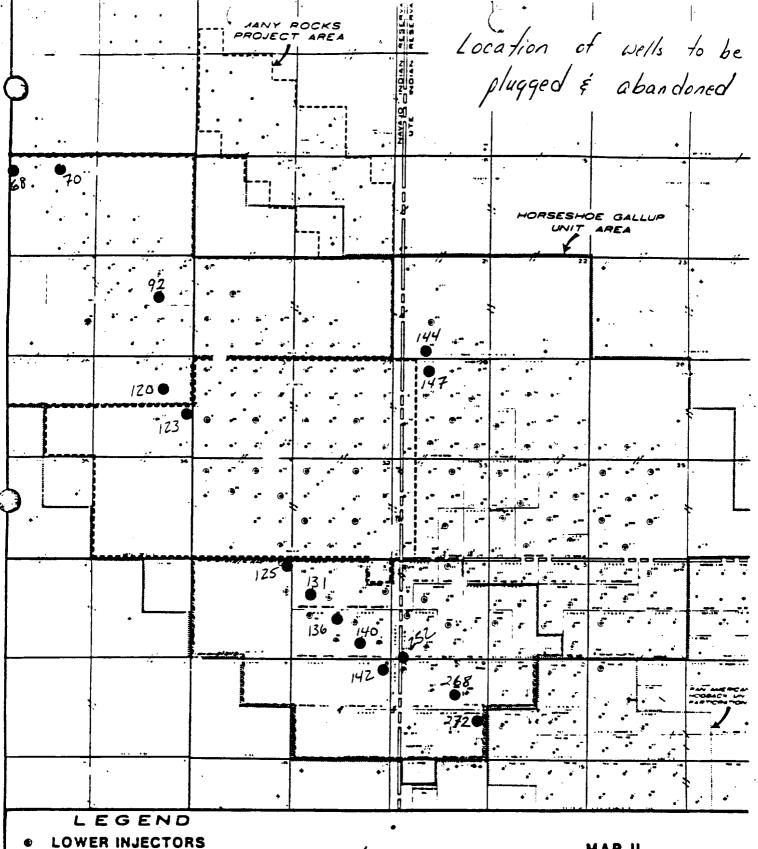
OIL CON. DIV. DIST. 3

13. I hereby certify that the foregoing is true and correct  SIGNED S.O. ROSE	Dist. Producti	
(This space for Federal or State office use)		AS AMENDED
APPROVED BY	TITLE	DATE - 3.1994
*Se	e Instructions on Reverse Side	TETT STON MOKED  MAILLENBACH  AREA MANACER

## 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.



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

MAP II

ARCO Oil and Gas Company <

POCKY MOUNTAIN DISTRICT DENVER. COLOPADO

HORSESHOE - GALLUP UNIT San Juan County, New Mexico

DATE\_8/30/8

FILE 40 \_

SCALE I" . I Mile