

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

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, a Division of  
Atlantic Richfield Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface  
Unit "H", 2310' FNL & 330' FEL, Section 33  
(No API # Assigned)

14. PERMIT NO.

15. ELEVATIONS (Show whether SF, BT, OR, etc.)  
5377'

5. LEASE DESIGNATION AND SERIAL NO  
14-20-604-1951

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Ute Mountain

7. UNIT AGREEMENT NAME  
Horseshoe Gallup Unit

8. FARM OR LEASE NAME  
Horseshoe Gallup Unit

9. WELL NO.  
190

10. FIELD AND POOL, OR WILDCAT  
Horseshoe Gallup

11. SEC., T., R., M., OR B.L. AND  
SURVEY OR AREA  
Sec. 33-31N-16W

12. COUNTY OR PARISH  
San Juan

13. STATE  
New Mexico

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PLUG OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANE	<input type="checkbox"/>
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)			

(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 Oil and Gas Company, Operator, proposes to plug and abandon the subject well, as per the attached P & A Procedure.  
This producer has reached its economic limit.

RECEIVED  
MAY 29 1985  
OIL CON. DIV.  
DIST. 3

(This is in compliance with the requirements set forth in a letter from the Bureau of Land Management, Durango, Colorado, dated March 13, 1985, copy attached.)

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

SIGNED Stephen Rose  
S.C. Rose / BRS

TITLE Dist. Prod. Supt.

DATE May 8, 1985

(This space for Federal or State office use)

APPROVED BY James D. Kendrick  
CONDITIONS OF APPROVAL, IF ANY:

TITLE Acting AREA MANAGER

DATE MAY 28 1985

## HORSESHOE GALLUP #190

### CURRENT WELL STATUS

#### History

The HGU #190 located in San Juan County, New Mexico was drilled to a depth of 1402' and completed as a Gallup oil well in November 1958. This well was shut-in during April 1967 due to an uneconomical operation.

#### Existing Well Status

##### Casing:

Surface: 8-5/8", 24#/ft, J-55 ST&C set @ 119' cemented to surface w/100 sx cement.

Production: 7", 20#/ft, J-55 STC set @ 1400' cemented w/100 sx Pozmix.

Tubing: 2-3/8", J-55, EUE 8rd

Packer: None

Perforations: 1215' - 1249' @ 2 SPF within the Gallup formation.

Proposed Plugs:

1st Plug:	1165' - 1275'
2nd Plug:	965' - 1065'
3rd Plug:	70' - 170'
4th Plug:	0' - 30'

MBS  
JED 5-16-85  
JMM 5/17

HORSESHOE GALLUP UNIT #190  
PLUGGING AND ABANDONMENT PROCEDURE

1. MIRU.
2. POH with production equipment.
3. RIH with tbg open-ended to below the bottom perforation and pump sufficient cement to cover top perforation by 50' inside the casing.
4. POH w/tbg. GIH w/wireline and shoot 3 to 4 holes in production string opposite 150' above top perforation to allow cement squeezing of zone. (This may be necessary since the original cement job may not have covered the Gallup formation by 50'.) Squeeze sufficient cement to place a 100' plug outside the casing. Also, leave a 100' plug inside the casing. If unable to squeeze plug outside the casing, leave a 100' plug inside the casing.
5. POH w/tbg. GIH w/wireline and shoot enough holes in production casing opposite a point 50' below the surface casing shoe to allow squeezing cement.
6. RIH w/tbg open-ended and perform a braden-head squeeze of the perforations. Use sufficient cement for a 100' column behind the casing and a 100' plug inside the casing.
7. POH, cut casing one foot below ground level, place a 30' cement plug inside casing, weld on a steel plate, weld a dry hole marker on the steel plate, fill hole and move off.
8. Rehabilitate location and access road using stipulations supplied by the surface management agency.

NOTE: BOPs will not be needed in most cases because expected reservoir pressure of the Gallup in the area of abandonment is very low. If pressure does exist on any of the subject wells, bleed it off, install BOPs if needed, and commence with above procedure.



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
San Juan Resource Area  
Federal Building  
701 Camino del Rio  
Durango, Colorado 81301

IN REPLY  
REFER TO

3160 (163)

MAR 13 1985

CERTIFIED--RETURN RECEIPT REQUESTED

ARCO Oil and Gas Company  
P. O. Box 5540  
Denver, Colorado 80217

Re: Horseshoe Gallup Unit Wells  
San Juan County, New Mexico  
Lease No. 14-20-604-1951

Dear Sir:

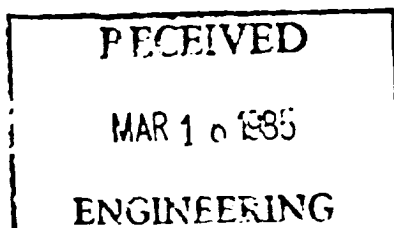
The below mentioned wells have been temporarily abandoned for an extended period of time. Please send to this office five copies of Sundry Notices (Form No. 3160-5) for each well, entitled Notice of Intent to Abandon, within 60 days from receipt of this letter. Plugging operations must commence within 60 days of approval of the Sundry Notices.

Well No. 162, Sec. 27, T.31N., R.16W  
Wells No. 149, 160, 169, Sec. 28, T.31N., R.16W.  
Wells No. 179, 190, Sec. 33, T.31N., R.16W.  
Wells No. 180, 192, 201, 212, 214, Sec. 34, T.31N., R.16W.

If you have any questions, please contact Dennis Carpenter at (303) 247-4082.

Sincerely yours,

*David J. Miller*  
for David J. Miller  
Area Manager



RECEIVED  
MAR 18 1985  
R.O.C. - 101