5. LEASE

## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Injection interval 1380' - 1412', as per the attached plugging operations report.  Completed P & A, 7-12-83.  Final restoration will be commenced as soon as subsequent report will be filed when restoration.  Subsurface Safety Valve: Manu. and Type  18. Thereby certify that the foregoing is true and correct	weather nemits to the silicians
as per the attached plugging operations report.  Completed P & A, 7-12-83.  Final restoration will be commenced as soon as subsequent report will be filed when restoration	weather permits. An additional on has been completed.  APPROVED TO THE PLUGGING OF THE WELL BORE ONLY. LIABILITY UNDER THE BOND RETAINED UNTIL SURFACE RESTORATION IS COMPLETED AND
as per the attached plugging operations report.  Completed P & A, 7-12-83.  Final restoration will be commenced as soon as	weather nemits to the silicity of
as per the attached plugging operations report.	Gallup fm. Spotted cement plugs
injection interval 1360 - 1412,	Gallup fm. Spotted cement plugs
and approved by	
Notice dated December 30, 1982, and approved by	y the BLM-MMS on $$ January 13, 1983
measured and true vertical depths for all markers and zones pertinen ARCO has plugged and abandoned the subject real	t to this work.)
CHANGE ZONES  ABANDON*  (other)  DIST. 3  17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any ordposed work. If well is all the control of the control	a all position describe and
REPAIR WELL  PULL OR ALTER CASING   MULTIPLE COMPLETE  CHANGE ZONES  MANUEL   OIL COMM	(NOTE: Report results of multiple completion or zone thange on Form 3-330) 4000
SHOOT OR ACIDIZE	Bureau of Land Management
TEST WATER SHUT-OFF C C C C C C C C C C C C C C C C C C	RECEIVED
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	5494' GR
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	None Assigned  15. ELEVATIONS (SHOW DF. KDB. AND WD)
Appx. same	14. API NO.
AT SURFACE: 660' FSL & 1980' FWL, Sec. 27 AT TOP PROD. INTERVAL: Appx. same	12. COUNTY OR PARISH: 13. STATE San Juan New Mexico
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) Unit "N"	AREA Sec. 27-31N-16W
P.O. Box 5540, Denver, CO 80217	11. SEC., T., R., M., OR BLK. AND SURVEY OR
Atlantic Richfield Company  3. ADDRESS OF OPERATOR 707-17th Street,	10. FIELD OR WILDCAT NAME Horseshoe Gallup Unit
2. NAME OF OPERATOR ARCO OIL & Cas Co. Div. of	171
1. oil gas cher X - Injection	Horseshoe Gallup Unit 9. WELL NO.
reservoir, Use Form 9-331-C for such proposals.)	8. FARM OR LEASE NAME
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug pack to a different	
	7. UNIT AGREEMENT NAME
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
GEOLOGICAL SURVEY	14-20-604-1951

APPROVED AS AMENDED AREA MANAGER

## HSG #171 Horseshoe Gallup Field, Plant Exp Budget

## P & A OPERATIONS:

MI RU Bedford, Inc. Rel'd pkr & POH w/pkr & tbg. RIH w/OE tbg. Spt 15 sx neat cmt. Pull 15 jts tbg. Sqz cmt to 350 psi. WOC. Perf 4 holes @ 1230'. RIH to 1230'. Spt 28 sx neat cmt. POH w/tbg. Sqz cmt to 500 psi. WOC. Perf 2 holes @ 170'. Spt 30 sx neat cmt. Sqz 15 sx thru perfs. WOC. SDFN.

FINAL REPORT - WELL P & A, 7/12/83. Set dry hole marker w/cmt @ surf.

## CONDITIONS OF APPROVAL AND ADDITIONAL REQUIREMENTS

- 1. This Subsequent Report of Abandonment (SRA) is approved to the plugging of the well bore only. Liability under the bond is retained until surface restoration is completed and approved.
- 2. Once the dirt work has been completed, the operator will submit Form 3160-5, Sundry Notice, informing the Bureau of Land Management (BLM) of this operation. This Sundry Notice, or Second Subsequent Report of Abandonment (SSRA) will be an acceptance rather than an approval action. (Instruction Memorandum No. CO-87-417).
- 3. Form 3160-5, Sundry Notice, will be submitted when all restoration is completed. This Sundry Notice, or Final Abandonment Notice (FAN), will be submitted only when the site is ready for inspection by an official of the BLM.
- 4. PHASED RELEASE OF BOND LIABILITY After proper plugging of the leasehold's well(s), and after the site has been stabilized and seeded, a percentage of the bond liability can be released. Operators who wish to request partial liability release of a single lease bond may delay filing Form 3160-5, Second Subsequent Report of Abandonment (SSRA) until after the site has been reseeded. In this case, the Sundry Notice should not only detail work that was done but also request partial bond liability release. (Instruction Memorandum No. CO-87-307).