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Form Approved. Budget Bureau No. 42-81414

DEPARTMENT OF THE INTERIORN 1 2 1983

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GEOLOGICAL SURVEY GRAND JUNCTION, CO

5. LE/3E /14-20-604-1948-2 (U)

5. F NOIAN, ALLOTTEE OR TRIBE NAME
Ute Mtn.

ודיתבכ	ANID	DEDUDTO	$\cap N$	WELLS	

SUNDRY NOTICES AND REPORTS ON WELLS on the late of the state of the st

Los description

2. NAME OF OPERATOR ARGO Oil and Fas Co., a Division of Atlantic Richfield Company a appeas of Operator 707 - 17th Street,

3. ADDRESS OF OPERATOR 707 - 17th Street, P.O. Bom 5540, Denvery Colo. 30217

4. LOCATION OF WELL REPORT LOCATION CLEARLY. See space 17 decomposition of Well Report Location Clearly. See space 17 at top prod. Interval:

At total depth:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHANGE ZONES
ABANDON*

(other)

7. UNIT AGREEMENT NAME
Horseshoe Gallup Unit

8. FARM OR LEASE NAME Horseshoe Gallup Unit

9. AELL NO.

O. FELD OR WILDOAT NAME Horseshoe Gallup

143

11. SEC., T., R., M., OR BEALAND SURVEY OR

Sec. 21-31N-16W
12. COUNTY OR PARISH 13. STATE
San Juan New Mexico

14. API NO.

None Assigned

15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone (NOTE: Report results of multipl

U. S. ARTING

This notice supercedes our Sundry Notices dated August 31, 1982, on the subject well.

SUBSEQUENT REPORT OF

ARCO now proposes to plug and abandon this well, as per the attached revised P & A Procedure.

(This is in compliance with the requirements as set forth in a memorandum dated September 30, 1981, and a subsequent letter of April 26, 1982, both from the State of New Mexico, Energy and Minerals Department, Oil Conservation Division(copies attached to our August 31, 1982 Sundry Notice).

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OIL CON. DIV.

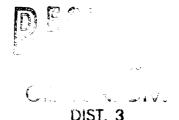
15.1 1.7 1933

^{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.)*

HORSESHOE GALLUP UNIT INJECTION WELLS PLUGGING AND ABANDONMENT PROCEDURE (REVISED)

- 1. MIRU.
- 2. Release packer and pull tubing and packer out of hole.
- 3. RIH with the 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 enough 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 blind flange, weld a dry hole marker on the blind flange, fill hole and move off.
- 8. Rehabilitate location and access road using stipulations supplied by the surface management agency.

NOTE: BOP's will not be needed in most cases because expected reservoir pressure of the Gallup in the area of abandonment is very low. (Estimated at less than 250 - 300 psi bottom-hole.) If pressure does exist on any of the subject wells, bleed it off, install BOP's if needed, and commence with above procedure.



TRELE I

Horashoe Gallup Unit Federal Lease No. 14-08-001-8200 San Juan County, New Mexico.

list of Wells

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3.	No.	103	a	
4.	Nc.	105	Д	
5.	No.	113	A	
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7.	No.	130	C	
з.	No.	132	C	
Э.	No.	135	C	
10.	No.	137	C	
11.	No.	139	C	
12.	No.	141	C	
13.	No.	143	D	
14.	No.	145	D	
15.	No.	148	D	
16.	No.	150	D	
17.	No.	152	D	
18.	No.	154	D	
19.	No.	156	D	
-20_		-160		

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21.	Nc.	215	2
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23.	No.	164	Ð
-24	No:	169	-) -
25.	No.	171	D
26.	No.	173	D
27.	No.	175	D
-22. -		130-	
29.	No.	182	D
30.	No.	184	D
31.	No.	186	۵
-32	No.	192	-2
33.	No.	194	D.
34.	No.	196	D
35.	-No-	201	-9-
36.	No.	203	D
37.	No.	205	D
38.	Na.	207	D
39.	No.	213	2
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40. No. 217 D

	- 56.	No.	199 211	-
		No.		CA
			274	
	52.	No.	269	C
	51.	No.	263	C
	50.	No.	261	C
	49.	No.	259	D
	48.	No.	250	\Box
			248	
(state)				
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		No.		D
(state)	43.	Xo.	227	D
	42.	Nc.	225	<u>-</u> ک
	4	No.	223	\mathcal{D}

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