RECEIVED

Infection

- 17th Street,

Budget Bureau No. 42-R1404

UNITED STATES DEPARTMENT OF THE INTERMET 1 2 1983

SUNDRY NOTICES AND REPORTS ON WELLS

To not use this form for proposals to drill or to deepen or plug back to a different reservoir use Form 3-331-2 for such proposals.)

2. NAME OF OPERATOR ARCO Oil and Gas Co., a ivision of Atlantic Richfield Company

P.D. Box 5540, Denver, Colo. 9021

4. LOCATION OF WELL REPORT LOCATION CLEARLY. See space II

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE.

other

gas

~e∷

3. ADDRESS OF OPERATOR

celow. Unit O,

AT TOP PROD. INTERVAL:

AT SURFACE:

AT TOTAL DEPTH:

GEOLOGICAL SURVEY GRAND HINCTION, CO 4-20-604-1948-A

15/ NOIAN, ALLOTTEE OR TRIBE NAME Ute Mtn.

7. UNIT AGREEMENT NAME Horseshoe Gallup Unit

8. FARM OR LEASE NAME Horseshoe Gallup Unit

9. WELL NO.

5. LEASE

145 IO. FIELD OR WILDOAT NAME

Horseshoe Gallup

II. SEC. T., R., M., OR BUK, AND SURVEY OR

Sec. 21-31N-16W

820' FSL & 1820' FEL, Sec.21 12. COUNTY OR PARISH 13. STATE New Mexico <u>San Juan</u>

14, API NO

None Assigned

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

DIST. 3

Along

REPORT, OR OTHER DATA 5734' GR SUBSEQUENT REPORT OF REQUEST FOR APPROVAL TO: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE NOTE: Report results of multiple completion or zone 50%REPAIR WELL S. GEOLOGICAL SURVI PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON* (other)

\$11-1-82 This notice supercedes our Sundry Notices dated August 31, 1982, on the subject well.

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

(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, Cil Conservation Division(copies attached to our August 31, 1982 Sundry Notice).

Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby certify that the foregoing is true and correct SIGNED Stephen Rose Appl TITLE Dist. Prod. Supt.	December 30 November 1, 1982
Original Signed - Scott L. Eliis JOHN L. PRICE APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	JAN 13 1983
lag plung (Santane casing Shore	JAM 1 7 1983 OIL CON. DIV.

^{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 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 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.

TREET I

Morashoa Gallup Unit Tederal Lease No. 14-08-001-8200 San Juan County, New Memico.

list of Wells

		5-	21.	Mc.	215)		41.	No.	223	2
	- 30 - 30 - 4	<u>-</u>		-No.	162	0		42.	No.	225	2
3.	No. 103	A	23.	Xo.	164	O	. Gut) 43.	No.	227	9
4.	No. 105	4	-24.	-No.	169	-)	•	44.	No.	229	D
5.	мо. 113	А	25.	No.	171	<u>D</u>		45.	Nc.	238	ワ
- 5.	::Ho: 126	-	26.	No.	173	D	(S _{1,0}) (S	46.	No.	240	ם
7.	No. 130	c	27.	No.	175	D		47.	No.	248	D
3.	No. 132	C	-38.	::O:	-130-	-D-		48.	No.	250	0
9.	No. 135	C	29.	No.	182	D		49.	No.	259	D
10.	No. 137	C	30.	No.	184	9		50.	No.	261	C
11.	No. 139	Ç	31.	No.	136	٥		51.	No.	263	C
,12.	No. 141	C	-32	No.	192			52.	No.	269	C
13.	No. 143	D	33.	Nc.	194	D.		53.	No.	274	C
14.	No. 145	D	34.	No.	196	D		54.	No.	275	C
15.	No. 148	D	35.	}io.	-201	9		55.	No.	73	A
16.	No. 150	D	36.	No.	203	D		-56.	No.	-199	-0
17.	No. 152	D	37.	No.	205	D		57.	- No.	-211	
18.	No. 154	D	38.	No.	207	D					
19.	No. 156	D	39.	No.	213	0		- 107			

40. No. 217 D

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