RECEIVED

Budget Bureau No. 4247,404

UNITED STATES

DEPARTMENT OF THE INTERIOR AN 1 2 1983

GEOLOGICAL SURVEY GRAND JUNCTION, CO

EF OR TRIBE NAME

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SLINDRY	NOTICES	AND	REPORTS	ON	WELLS
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On his use this form for proposals to drill or to deepen or plug back to a different reservoir use form 9-231-C for such proposals.)

other Infection اجب 44.

Z. NAME OF OPERATOR ARCO Oil and Gas Co., a imision of Atlantic Richfield Company

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

4. LOCATION OF WELL PREPORT LOCATION CLEARLY. See space 17 Delow: Unit N, AT SURFACE: 660' FSL & 1980' FWL, Sec. 26 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*

14. APLING. 5532' GR SUBSEQUENT REPORT OF

7. UNIT AGREEMENT NAME

Horseshoe Gallup Unit 8. FARM OR LEASE NAME

9. WELL NO.

IO. FIELD OR WILDOAT NAME Horseshoe Gallup

Horseshoe Gallum Unit

11. SEC., T., R., M., OR BLK, AND SURVEY OR AREA

Sec. 26-31N-16W

12. COUNTY OR PARISH: 13. STATE <u>San Juan</u> New Mexico

None Assigned 15. ELEVATIONS (SHOW DF, KDB, AND WD)

NOTE: Report results of multiple completion or zone

change on Form 9-330.)

(other) 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

£11-1-82 This notice supercedes our Sundry Notice Sdated August 31, 1982, on the subject well.

measured and true vertical depths for all markers and zones pertinent to this work.)*

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).

Subsurface Safety Valve: Manu. and Type 18. I hereby certify that the foregoing is true and correct TITLE Dist. Prod. Supt. OATE SIGNED A (This space for Federal or State office use) APPROVED BY _____ Signed - Scott L. Ellis JOHN L. PRICE

District Supervisor CONDITIONS OF APPROVAL, IF ANY:

lag sing (d) surface ousing

JAN 1 71983

*See Instructions on Reverse Side

OIL CON. DIV. Dier A

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.

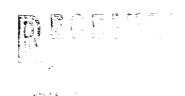


TABLE I

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

list of Wells

	::to-		<u>. </u>
	10-1-		
3.	No.	103	A
4.	Жc.	105	A
5.	No.	113	А
		• • •	_
<i>.</i>	:10 ·	126	
7.	No.	130	C
3.	No.	132	C
9.	No.	135	C
10.	No.	137	C
11.	No.	139	Ç
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.	- 110-4	-160	<u>-</u>

		•	
21.	No. 215	2	41. No.
	No. 152	0	42. No.
23.	No. 164	D.	(State) 43. No.
-24	-No. 169	-)-	44. No.
25.	No. 171	D	45. No.
26.	No. 173	D	(state) 46. No.
27.	No. 175	D	47. No.
-28.	ио. 160	-	48. No.
29.	No. 182	D	49. No.
30.	No. 184	D	50. No.
31.	No. 186	٥	51. No.
-32	No. 192	-0	52. No.
33.	No. 194	D.	53. No.
34.	No. 196	D	54. No.
35	No. 201	0	55. No.
36.	No. 203	D	- 56. No.
37.	No. 205	D	57. No.
38.	No. 207	D	
39.	No. 213	Q	PERFE
40.	No. 217	D	

223 0

227 D

229 D

238 D

240 D

248 D

250 D

259 D

261 C

263 C

269 C

274 C

275 €

73

225