Form 9-331 Dec. 1973			RECEIVE		Form Approved. MAR 1 1 19 Budget Bureau No. 42-R1424				
		TED STATES	TERIOR AC Dia mono	5. L	EASE 14-	20-60	3-734	ALB., NM	
		GICAL SURVE			F NDIAN, AI	LLOTTEE vajo	OR TRIBE	NAME	
SUNDRY NOTICES AND REPORTS ON WELLS					7. UNIT AGREEMENT NAME Horseshoe Gallup Unit				
(Do not use thi reservoir. Use F	s form for proposals form 9–331–C for suc	to drill or to deepe th proposals.)	n or plug back to a different	8. 1	ARM OR LE	ASE NAM	E llup U	nit	
1. oil 🛛		other		9. \	WELL NO.	5 3	<u>-</u>		
of A	tlantic Ri	chfield Co	nd Gas Co.,Div ompany 80217	10. FIELD OR WILDCAT NAME Horseshoe Gallup					
717-17t	S OF OPERATOR h St., P.O N OF WELL (REE	.Box 5540	Denver, CO CLEARLY. See space 17	11.	SEC., T., R., AREA		BLK. AND S	URVEY OR	
AT TOP	PROD. INTERVA	SE 660' F. L:Appx. sa	SL & 1980' FEL me Sec. 30		county or		13. STAT	E lexico	
AT TOTAL DEPTH: Appx. same 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA				14.	14. API NO. Not Assigned				
				15.	ELEVATION: 5472.2'	S (SHOW	DF, KDB,	AND WD) KB	
TEST WATEL FRACTURE SHOOT OR REPAIR WEL PULL OR A MULTIPLE (CHANGE ZO ARANDON*	ACIDIZE LL LTER CASING [COMPLETE [DNES [QUENT REPORT OF:		-	on Form 9-	-330.)		
			OPERATIONS (Clearly state or opposed work. If well is markers and zones pertine	A - 11 4	antinont do	taile and	l give nerti	nent dates	
Well #5 132 BOR well in two san history is prof	oa was com PD from th ndicated p nds. The y of scale pably the	pleted in e Upper ar roduction well is pr problems reason for	markers and zones perting May, 1959 as a land Lower Gallup of approximate resently shut-in since water in the suppressents wells with the suppressents wells with the suppressents wells with the suppressents wells with the suppressents wells well to the suppressents we suppressents we will be suppressent to the suppressents we suppressent the suppressen	a probable p	oducer nds. T L BOPD This w tion st	and i he la and l ell h arted on of	nitial st tes 0 BWPD as a s in 19 this	ly teste t on thi from th ignifica 63. Thi well re-	

nt It is evident that the present perforations (1183-1211' and 1284-1318') are practically plugged off and that any small treatment will not open

them. Therefore, we recommend that both Gallup zones be re-perforated, acid-

ized, and treated with scale inhibitor (as per the workover procedure attached) in order to regain lost production.

See wodification to workover procedure.

Subsurface Safety Valve: Manu. and Type

18. I hereby cert	ify that the foregoing is true and co	rrect - Mgr. of Prod. b	ATE	March 5, 1982	_
W. A	APPROVED.	ce for Federal or State office use)	DATE		_
APPROVED BY	PPROVAMIARANO 4 1982				
S AMENDED	FurJAMES F. SIMS	1			

DISTRICT ENGINEER

HORSESHOE GALLUP UNIT WELL #53 SAN JUAN COUNTY, NEW MEXICO

Well Data:

Location: 660' FSL, 1980' FEL, Sec. 30-3♦N-16₩

San Juan County, New Mexico

Elevation: GL 5472', KB 5479'

Log measured from KB

Casing: 4-1/2" 9.5# set @ 1371' RKB, cemented w/150 sx

Diamix

Perfs: 1183-1211', 1284-1318' ELM

Tubing: 1 jt tbg 2-7/8" 10R NU J-55 6.4# 14.25'
1 SN 2-7/8" 10R 1.10'

1 SN 2-7/8" 10R 44 jts tbg 2-7/8" 10R NU J-55 6.4# 1267.02' 1282.37'

RKB to the collar $\frac{6.00}{1288.37}$

T.D.: 1376'

PBTD: 1339'

Note: There is a leak in the casing somewhere between 540'

and 835'. There is also a tight spot at

approximately 1140'. A 3-1/2" sand pump has passed

Workover * Casing leak must be repaired before well is produced. Procedure: Notify this office by Sundry Notice of intent on plans

- 1. MIRU. POH w/tbg, rods and pump. Note what kind of scale is present.
- 2. GIH w/perforating gun and perf opposite 4-1/2" csg w/2 jet SPF from 1284-1308' RKB and 1183-99' RKB. Use premium quality deep penetrating charges.
- 3. GIH w/work string and packer. Set packer @ 1100' RKB. Pump 5000 gal 15% HCl. Acid to contain iron sequestering agent, surfactant and corrosion inhibitor.
- 4. Wait one hour, then swab back acid.
- With packer again @ 1100' RKB, pump 100 bbls water mixed w/110 gals S-271 ARCO scale inhibitor. Flush w/20 bbls water.
- 6. POH w/packer. Shut-in overnight.
- 7. RIH w/production tbg, rods and pump. Space pump and resume normal pumping operations. Put well on test.



