

HORSESHOE GALLUP UNIT, Well #283
Unit Ltr. "B", Sec. 33-31N-16W
San Juan County, New Mexico

9/7/74	1454	PB - Pmp 24 hrs, no fluid
9/8/74	1454	PB - Pmp 24 hrs, no fluid
9/9/74	1454	PB - Pmp 24 hrs, 1 BO & 1 BW
9/10/74	1454	PB - Pmp 24 hrs, no fluid
9/11/74	1454	PB - Pmp 24 hrs, no fluid
9/12/74	1454	PB - Pmp 24 hrs., no fluid
9/13/74	1454	PB - Pmp 24 hrs, no fluid
9/14/74	1454	PB - SD 24 hrs.
9/15/74	1454	PB - Shut in
9/16/74	1454	PB - Shut in
9/17/74	1454	PB - Shut in
9/18/74	1454	PB - Shut in
9/19/74	1454	PB - MI & RU service unit. Prep pull & LD rods & tbg.
9/20/74	1454	PB - Pld & LD tbg & rods. Shut in
9/21-10/9	1454	PB - Shut in
10/10 & 11	1454	PB - Shut in. Hauling in frac oil & water.
10/12/74	1454	PB - Emulsifrac (2/3 oil, 1/3 water) Gallup perms 1404-12 & 1414-18', down casing, as follows: spearhead w/ 1000 gal mud acid w/clay stabilizer additive, brk @ 1600#, PI @ 1100#;
		5000 gal emulsifrac pad, no sand, @ 20 BPM @ 1000#,
		5000 gal " w/ 1#/gal 20-40 sand 20 BPM @ 1000# 5000*
		5000 gal " w/ 2#/gal " 20 BPM @ 1000# 10000
		5000 gal " w/ 3#/gal " 20 BPM @ 1000# 15000
		5000 gal " w/ 4#/gal " 20 BPM @ 900# 20000
		5000 gal " w/ 5#/gal " 17 BPM @ 900# 25000
		Flushed w/ 35 bbl 2% KCl water. ISIP 500#. Total load 775 BO & 480 BW.
		Ran temp. survey. Survey indicated frac stayed in zone. Prep CO, run tbg, rods & pump.
10/13/74	1454	PB - Flwd back 600 bl to 1:30 pm 10/12. SI. 30 min SIP 160#, 2 hr 20 min SIP 205#. Switched to treated, dumped 100 BW in 1 hr (40 bbl on oil side, 60 bbl on water side). Screwed up LACT. Shut in.
10/14/74	1454	PB - O'nite SIP 230#. Instl'd choke & started flowing 7-8 BPH. Cont to test.
10/15/74	1454	PB - Flwd 170 BW in 16 hrs thru choke, no oil.
10/16/74	1454	PB - Flwd 180 BW, 0 BO in 24 hrs.
10/17/74	1454	PB - Flwd 256 BW, 0 BO, 24 hrs.
10/18/74	1454	PB - Flwd 220 BW, 0 BO, 24 hrs
10/19/74	1454	PB - Flwd 186 BW, 0 BO, 24 hrs
10/20/74	1454	PB - Flwd 153 BW, 0 BO, 24 hrs
10/21/74	1454	PB - Flwd 135 BW, 0 BO in 24 hrs.
10/22/74	1454	PB - Flwd 94 BW, 0 BO in 24 hrs, choke plugging. Prep to shut in
10/23/74	1454	PB - Shut in 10/22/74.
10/26/74	1454	PB - Still shut in
11/9/74	1474	TD
	1454	PB - SHUT IN 10/22/74 - COMPLETED DRY HOLE. Gallup perms 1404-12 & 1414-18' Last test, flowed 94 BW, 0 BO in 24 hrs. Hold for evaluation and possible conversion to water injection.

NO. OF COPIES RECEIVED	5
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.S.	2
LAND OFFICE	
OPERATOR	1 ✓

Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State ☐	Fee ☐
5. State Oil & Gas Lease No.	
Fed. 14-20-604-1951	

1a. TYPE OF WELL	
OIL WELL ☐	GAS WELL ☐
b. TYPE OF COMPLETION	
NEW WELL ☒	WORK OVER ☐
DEEPEN ☐	PLUG BACK ☐
DIFF. RESVR. ☐	OTHER ☐

7. Unit Agreement Name
Horseshoe Gallup Unit
8. Farm or Lease Name
Horseshoe Gallup Unit
9. Well No.
283

2. Name of Operator
Atlantic Richfield Company
3. Address of Operator
501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colorado 80203
4. Location of Well

10. Field and Pool, or Wildcat
Horseshoe Gallup

UNIT LETTER	LOCATED	FEET FROM THE	LINE AND	FEET FROM
"B"	150'	North	1375'	
THE	East	LINE OF SEC.	33	TWP. 31N

12. County
San Juan

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead
Surf - 7/30/74	8/8/74	Dry hole	5498' GL	5498'
20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools
1474' KB	1454' KB		123-1474'	0-123 Digger

24. Producing Interval(s), of this completion - Top, Bottom, Name	25. Was Directional Survey Made
None - Dry hole	No

26. Type Electric and Other Logs Run	27. Was Well Cored
Comp Fm Dens.; Dual Laterolog; Microlaterolog-Microlog	No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	32#	122' GL	12-1/4"	90 sx Class "A"	None
5-1/2"	11#	1474' KB	7-7/8"	100 sx Lite & 90 sx Cl. "B"	None

29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				None		

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
Gallup - 1404-1412 & 1414-1418' w/ 2 jet shots per foot	DEPTH INTERVAL
	AMOUNT AND KIND MATERIAL USED
	1404-12 & 1414-18 Spearhead w/1000 gal mud acid, Emulsifrac w/5000 gal pad, fol w/25000 gal w/ 75000# sand, flush w/35 bbl 2% KCl water.

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
8/27/74		Pumping @ 2 BO, 5 BW reported)				Shut in	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
10/21-22/74	24	-		0	0	94 bbl	-
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
-	-		0	0	94 bbl	-	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By
None	J. E. Taylor

35. List of Attachments
1 cc each of #26; Daily Well History

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED	TITLE	DATE
W. A. Walther, Jr.	Dist. Prod. & Drlg. Supt.	11/18/74

[illegible]

Northwestern New Mexico

Southeastern New Mexico

Northwestern New Mexico

FORMATION RECORD (Attach additional sheets if necessary)	
T. Albany	T. Ojo Alamo
T. Salt	T. Kirtland-Fruitland
T. Salt	T. Pictured Cliffs
T. Yates	T. Cliff House
T. 7 Rivers	T. Menefee
T. Queen	T. Point Lookout
T. Grayburg	T. Mancos
T. San Andres	T. Gallup
T. Giorletta	T. Base Greenhorn
T. Paddock	T. Dakota
T. Blinberry	T. Morrison
T. Tubb	T. Todilto
T. Drinkard	T. Entrada
T. Abo	T. Wingate
T. Wolfcamp	T. Chinle
T. Penn.	T. Permian
T. Cisco (Bough C)	T. Penn. "A"

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7/31/74	36'	WO surf hole digger to comp surf hole and set casing. Spud 12-1/4" surf hole w/ surface hole digger @ 2:30 pm 7/30/74. Drld to 36' and moved off.
8/1/74		WO surf hole digger
8/2/74	123	WOC MI surf hole digger, drld 12-1/4" hole 36' to 123'. Ran 5 jts. 120' 8-5/8" OD 32# J-55 8VT SH casing set @ 122' GL, cemented w/ 90 sx Class "A" w/2%CaCl PD 4:20 p.m. 8/1/74 Good returns.
8/3 - 8/7/74	123	WORT
8/8/74	734	Drilling 7-7/8" hole. 3/4 @ 430'. MI & RU rotary. Nip'd up. Test casing & BOP @ 750#, held O.K.. Drld out 7 pm 8/7/74.
8/9/74	1474	Running 5-1/2" casing. Salt-gel: 9.8#, 46 vis, 9.3 WL. 1 @ 753, 1-1/4 @ 1050, 1-1/2 @ 1470. Ran Schlumberger Comp. Fm Density, Dual Laterolog, Microlaterolog-Microlog, logs.
8/10/74	1474	WOC. Ran 48 jts, 1462.78', 5-1/2"OD 14# J-55 ST&C casing, set @ 1474' cemented w/ 100 sx HWC0 Lite + 90 sx Class "B" neat, Baker guide shoe & baffle check valve, 5 centralizers, 7 scratchers, plug down 1:10 pm 8/9/74 Rig rel 2:45 p.m. 8/9/74.
8/11 - 15		WO completion.
8/16/74	1454	PB - Prep pull tbq, log & perf. MI & RU well servicing unit. PU & ran 46 jts 2-3/8"OD tbq, tag bottom @ 1454'. Packed off tbq. SDON.
8/17/74	1454	PB - Cird'd treated water, 1% D-600, pulled tubing. Ran GR-correl & CBL logs. Perf'd Gallup 1404-12' & 1414-18' (In-Dns log meas) w/ 4 jets/ft. Ran 45 jts 2-3/8"OD EUE tbq w/ seating nipple, set @ 1440'. Ran 1-1/2" bore EMAC pump on 55 - 5/8" rods. Connecting flow line.
8/18/74	1454	PB - Laying flow line. 600# on surface. Water @ surface.
8/19	1454	PB - Laying flow line
8/20	1454	PB - Laying flow line
8/21/74	1454	PB - Laying flow line
8/22/74	1454	PB - Pmpg f/ test. Conn'd flow line. OP 2 pm 8/21/74.
8/23/74	1454	PB - Pumped 0 BO & 28 EW in 17 hrs.
8/24/74	1454	PB - Pumped 24 hrs, no fluid
8/25/74	1454	PB - Pumped 24 hrs, no fluid
8/26/74	1454	PB - Pumped 0 BO & 3 EW in 24 hrs.
8/27/74	1454	PB - Pmp 24 hrs, 2 BO & 5 EW
8/28/74	1454	PB - Pmp 24 hrs, 0 BO & 1 EW
8/29/74	1454	PB - Pmp 24 hrs, 0 BO & 2 EW
8/30/74	1454	PB - Pmp 24 hrs, 0 BO & 3 EW
8/31/74	1454	PB - Pump 10 BO & 2 EW in 24 hrs
9/1/74	1454	PB - Pumping, no test, test manifold valves leaking. <u>CORRECT</u> report of 8/31
9/2/74	1454	to: Pumping, no test a/c manifold valves leaking.
9/3/74	1454	PB - Pumped 24 hrs, no fluid.
9/4/74	1454	PB - Pumped 24 hrs, 0 BO & 3 EW
9/5/74	1454	PB - Pumped 24 hrs, 0 BO, 3 EW
9/6/74	1454	PB - Pumped 24 hrs, no fluid
9/7/74	1454	PB - Pumped 24 hrs, 0 BO & 1 EW

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