

12/02/75		Rd & loc comp. Prep to MIRT. Coleman Drlg Co - Contr. Loc: 1450' f/N & 1250' f/W lines Section 24-31N-17W, San Juan County, New Mexico. Elev 5830' GL, ungr MIRT,	
12/03/75		Drig. SPUD 12-1/4" hole 4:00 a.m. 12/4/75.	\$ 3,475
12/04/75	28	WOC, nipl'g up. Drld 12-1/4" hole to 140'. Ran 5 jts 8-5/8" OD 32# 8V SH csg set @ 138.45' KB, cmt'd w/100 sx Class 'B' w/2% CaCl, PD 4:15 p.m. 12/4/75. Cml circ gd. Baker guide shoe & 2 Bkr centralizers. Elev. 5830' GL, GL-KB 10.50'.	\$ 5,632
12/05/75	140		
12/06/75	194	Drig. 1/2° @ 90' & 140'. 70 RPM, 10M#. Nipl'd up BOP & Shaffer drlg head. WOC 18 hrs. Att to test csg & BOP & would not hold. Ran WL & found top cmt plug @ 112'. Dropped 2nd plug, pumped 7-1/2 BW, press to 700#, had cellar leak, BOP flange, rep'd leak. Tstd csg & BOP to 800#, held OK. Ran WL & checked 2nd plug @ 111'. Drld out 4 a.m. 12/6/75. Mud 8.8#, 29 vis, 10.2 WL.	\$ 9,687
12/07/75	1110	Drig. 3/4° @ 435', 1° @ 724', 1° @ 1095'. 70 RPM, 30M#. Mud 8.8#, 29 vis, 8.6 WL. B#2, HTC, X3A, 112-573', 461' in 12 hrs. B#3, Smith, S-DT, in @ 573', 537' in 15 hrs.	\$ 19,157
12/08/75	1622	TD - logging. 1-1/2° @ 1366'. Mud 9.1#, 48 vis, 8 WL. Drld to 1622'. Cond'd hole, POH. Ran DIL TD - Surf csg. Finsiing Fm Dens-GR w/cal. B#3, Smith, SDT, 573-1622', 1049' in 28 hrs.	\$ 26,011
12/09/75	1622	TD - WOC. Finished Ind & Comp Density log. Ran 51 jts, 1610.50', 14#, K-55 8R LT&C SH csg set at 1621' RKB, cmt'd w/150 sx HOWCO Lite w/10# gilsonite/sx, followed w/75 sx neat cmt, PD 8:45 p.m. 12/8/75. Mud circ thruout job. Reciprocated pipe during cmt job. 5 centralizers, 20 recip'g scratchers f/1445-1598' Rig rel 11:00 p.m. 12/8/75	\$ 42,817
12/10/75	1622	TD - WOC	\$ 42,817
12/11/75	1622	TD - WOC. Set anchors.	\$ 42,817
12/12/75	1622	TD - WOC	\$ 42,817
12/13/75	1622	TD - WOC	
12/14/75	1622	TD - WOC	
12/15/75	1622	Prep to MI compl. unit	\$ 42,817
12/16/75	1588	PB - Prep to perf. MI & RU Farmington Well Service. Tally & PU 2-7/8" OD EUE tbg, PBTD 1588'KB tbg tally. Displ hole w/1% KCl wtr. Pld tbg. Ran CBL & GR-correl logs, gd bond f/btm to 200' (pld out of fluid & quit logging) SDON 44,3	\$ 46,033
12/17/75	1588	PB - To cont swbg. Swbd dn to 1330'. Perf'd Gallup 1537-63', Dens. log meas., 2 shots/ft w/4" Atlas jet gun. Ran 2-7/8" tbg w/SN. Swbd 6 BLW & 14 B fm W in 4 hrs, swbd dry, no show of oil. SDON. Sli amt gas on well head this a.m.	\$ 46,033
12/18/75	1588	PB - Prep to acidize w/1000 gal mud ac. Swbd 42 BF in 9 hrs, trace oil, some green frothy crud, est 98% wtr. Plg f/btm, 3 pulls/hr, 4-5 bbl/hr. SDON. \$46,6	
12/19/75	1588	PB - Prep to swab. Yest a.m. FL 150'. Pld tbg. Ran 2-7/8" tbg w/Bkr full bore pkr & 4 jts tail pipe, TP @ 1570', pkr @ 1450'. Spot 1-1/2 bbl mud acid across perfs 1537-63', set pkr, trt'd w/1000 gal mud acid, 3/4 BPM, MP 500# displ w/8 BW. Let soak 2 hrs, flush w/12 add'l BW, Avg TP 300#, AIR 1 BPM, JC 2 p.m. Plc tbg & pkr. Ran 2-7/8" tbg, landed @ 1580'. SN @ 1550'. Total load 79 bbl. SDON	
12/20/75	1588	PB - Swbg. Yest a.m., hole full. Thawed well head. Swbd 61 BF in 8 hrs. Swbd dry in 3 hrs, then swbd 90' Fluid in tbg/hr, est 1% oil, -18 BL, SDON.	\$ 49,983
12/21/75	1588	PB - SD a/c Sunday. CP 100#, after O'nite SI. Swbd 18 BL & 45 BNF in 8 hrs. Plg f/seating nipple, 1% oil, 4% BS&W, 95% wtr.	\$ 50,583
12/22/75	1588	PB - SD a/c Sunday. Prep to swab:	\$ 56,483
12/23/75	1588	PB - Instl'g elec., temp flow line & MI pmpg unit. Swbd 26 BF in 3 hrs & swbd dn, trace oil, 95% wtr, 1% oil, 4% BS&W. Ran 2" bore pump on 7/8" rods. Rig rel 4 p.m. 12/22/75.	\$ 58,023
12/24/75	1588	PB - Prep to lay temp flow line. Set pmpg unit, hooking up elec.	\$ 58,023
12/25/75	1588	PB - Pmpg f/test. Inst temp flow line, conn'd elec. On pump 3:00 p.m. 12/24/75	
12/26/75	1588	PB - Pmpg f/test. Pmp 5 B0, 165 BW in 19 hrs. (3% oil, 97% wtr) 2" pump, 12 - 64" SPM.	\$ 58,023
12/27/75	1588	PB - Pmp 6 B0, 204 BW in 24 hrs f/Gallup perfs 1537-63', 2" bore pmp, 12 - 64" SPM.	\$ 58,023
12/28/75	1588	PB - Pmp 5 B0, 167 BW 24 hrs, 3% oil	\$ 58,023
12/29/75	1588	PB - Pmp 6 B0, 185 BW 24 hrs, 3% oil	\$ 58,023
12/30/75	1588	PB - COMPLETED OIL WELL 12/30/75. Pmpd 10 B0 & 186 BW in 24 hrs f/Gallup perfs 1537-1563', 2" bore pump, 12 - 64" SPM.	

NO. OF COPIES RECEIVED	5
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FILE	1
U.S.G.S.	1
LAND OFFICE	1
OPERATOR	1

Form C-105
Revised 1-1-65

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

API #30-045-21923

5a. Indicate Type of Lease State ☐ Fed. ☒ Fee ☐
5. State Oil & Gas Lease No. Fed. 11-20-603-2022

1a. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		7. Unit Agreement Name Horseshoe Gallup Unit	
b. TYPE OF COMPLETION NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐		8. Farm or Lease Name Horseshoe Gallup Unit	
2. Name of Operator Atlantic Richfield Company		9. Well No. 287	
3. Address of Operator 501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80203		10. Field and Pool, or Wildcat Horseshoe Gallup	
4. Location of Well UNIT LETTER W LOCATED 1450' FEET FROM THE North LINE AND 1250' FEET FROM		12. County San Juan	
THE West LINE OF SEC. 24 TWP. 31N RGE. 17W NMPM			
15. Date Spudded 12/4/75	16. Date T.D. Reached 12/7/75	17. Date Compl. (Ready to Prod.) 12/24/75	18. Elevations (DF, RKB, RT, GR, etc.) 5830' GL, GL-KB 10.5'
19. Elev. Casinghead 5830'			
20. Total Depth 1622'	21. Plug Back T.D. 1588'	22. If Multiple Compl., How Many -	23. Intervals Drilled By Rotary Tools 0-1622'
24. Producing Interval(s), of this completion - Top, Bottom, Name 1537-1563' Gallup Fm.			25. Was Directional Survey Made No
26. Type Electric and Other Logs Run Induction Electrolog, Densilog, Gamma Ray, Cement Bond			27. Was Well Cored No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE
8-5/8"	32#	138.45' KB	12-1/4"
5-1/2"	11#	1621' KB	7-7/8"
		CEMENTING RECORD	
		100 sx, circ to surf.	
		225 sx	
		AMOUNT PULLED	
		none	
		none	
29. LINER RECORD none			
SIZE	TOP	BOTTOM	SACKS CEMENT
			SCREEN
			SIZE
			DEPTH SET
			PACKER SET
			2-7/8"
			1580'
			none
30. TUBING RECORD			
31. Perforation Record (Interval, size and number) 1537-1563' w/ 2 jet shots/foot			
ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED	
1537-1563'		1000 gal mud acid	
32. PRODUCTION			
Date First Production 12/24/75		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - 2" bore pump, 12 - 64" SPM	
Date of Test 12/30/75		Well Status (Prod. or Shut-in) Producing	
Hours Tested 24	Choke Size -	Prod'n. For Test Period 10	Oil - Bbl. TSTM
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate 10	Gas - MCF TSTM
			Water - Bbl. 186
			Gas - Oil Ratio 110
34. Disposition of Gas (Sold, used for fuel, vented, etc.) Used on lease, volume negligible			Test Witnessed By J. E. Taylor
35. List of Attachments Gamma Ray & cement bond logs; Daily 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 <i>W A Walther Jr</i>		TITLE Dist. Prod. & Drlg. Supt. DATE 1/5/76	

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

SS03-07-14-1 19

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup Upper 1424'	T. Ignacio Qtzite
T. Glorieta	T. McKee	T. Lower 1532'	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	
T. Blinebry	T. Gr. Wash	T. Morrison	
T. Tubb	T. Granite	T. Todilto	
T. Drinkard	T. Delaware Sand	T. Entrada	
T. Abo	T. Bone Springs	T. Wingate	
T. Wolfcamp	T.	T. Chinle	
T. Penn.	T.	T. Permian	
T. Cisco (Bough C)	T.	T. Penn. "A"	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
1532	1562'	30'	Lower Gallup - Sandstone, gray, stain & odor, and Shale laminations.				

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