

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other _____

2. NAME OF OPERATOR

JACK A. COLE

3. ADDRESS OF OPERATOR

P. O. BOX 191, FARMINGTON, NEW MEXICO 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 660' FSL x 1810' FEL SEC. 7-T23N-R6W

At top prod. interval reported below

SAME

At total depth

SAME

14. PERMIT NO. DATE ISSUED

30-039-24636

5. LEASE DESIGNATION AND SERIAL NO.

SF-078359

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

RINCON

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

COUNSELORS GALLUP-DAKOTA

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

SW 1/4 SE 1/4

SEC. 7-T23N-R6W

12. COUNTY OR PARISH

RIO ARRIBA

13. STATE

NEW MEXICO

15. DATE SPUDDED 3-19-90 16. DATE T.D. REACHED 3-28-90 17. DATE COMPL. (Ready to prod.) 4-8-90 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GR 6872' KB 6884' 19. ELEV. CASINGHEAD 6872'

20. TOTAL DEPTH, MD & TVD 5627' MD & TVD 21. PLUG BACK T.D., MD & TVD 5578' MD 7-TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS 10-5627' CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5430-5448' GALLUP 5477-5512' GALLUP 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN COMPENSATED DENSITY (HALLIBURTON) 5625' TO SURFACE 27. WAS WELL CORED NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24.0 LB/FT.	272.66'	12.25"	250 SX. CL "B" CIRC. 20	NONE
4 1/2"	11.6 LB/FT.	5622.48'	7.875"	BBL LEAD-510 SX SILICALITE,	NONE
				TAIL-350 SX 50/50 POZ.	
				CIRCULATED 10 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5521.15'	NONE

31. PERFORATION RECORD (Interval, size and number)

INTERVAL FEET SPF #HOLES HOLE SIZE
5430-5448 18' 4 72 0.38"

INDIVIDUAL 0.38" PERFS AS FOLLOWS: 5477,

5479, 5484, 5486, 5506, 5512.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5430-5512'	ACIDIZE WITH 800 GAL. 7.5%
	FRAC WITH 200,000 LB. 20/40
	SAND IN 112,000 GAL. 65
	QUALITY N2 FOAM

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
4- 14 -90 13		FLOWING				PRODUCING	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4/14/90	24	32/64	→	80	400	0	5000 SLF/STB
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
230	475	→	80	400	0	40.0	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) SOLD TEST WITNESSED BY ACCEPTED FOR RECORD

35. LIST OF ATTACHMENTS

FRACTURE TREATMENT SUMMARY, PRODUCTION CASING AND CEMENTING SUMMARY.

APR 25 1990

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED



TITLE PETROLEUM ENGINEER

BY DATE

FARMINGTON RESOURCE AREA
APRIL 16, 1990

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
OJO ALAMO SS	1380	1460	SANDSTONE - WATER	OJO ALAMO	1380	
PICTURED CLIFFS SS	1936	2040	SANDSTONE - WATER	KIRTLAND	1460	
CLIFFHOUSE SS	3470	3492	SANDSTONE - WATER	FRUITLAND COAL	1925	
PT. LOOKOUT SS	4212	4420	SANDSTONE - WATER	PICTURED CLIFFS SS	1936	
U. GALLUP SS	5300	5312	SANDSTONE - OIL AND GAS	LEWIS SHALE	2040	
L. GALLUP SS	5430	5515	SANDSTONE - OIL AND GAS	CLIFFHOUSE SS	3470	
				MENEFEE FM	3500	
				PT. LOOKOUT SS	4212	
				MANCOS SHALE	4420	
				UPPER GALLUP SS	5300	
				LOWER GALLUP SS	5430	
				TD	5627	

FRACTURE TREATMENT

Formation GALLUP Stage No. ONE Date APRIL 4, 1990Operator JACK A. COLE Lease and Well RINCON NO. 21Correlation Log Type BLUE JET GR CCL From 5576' To 5000'Temporary Bridge Plug Type NONE Set At _____Perforations 5430'-5448' - 4 JSPF, 5477'-5512' (5 HOLES)
_____ Per foot type _____Pad 28,126 gallons. Additives 65 QUALITY
NITROGEN FOAMED 30# GELWater 112,000 gallons. Additives 65 QUALITY
NITROGEN FOAMED 30# GELSand 200,000 lbs. Size 20/40Flush 2,700 gallons. Additives 50 QUALITY
NITROGEN FOAM

Breakdown _____ psig

Ave. Treating Pressure 3000 psigMax. Treating Pressure 3150 psigAve. Injecton Rate 40 BPM

Hydraulic Horsepower _____ HHP

Instantaneous SIP 1800 psig SURFACE, 3450 PSIG BOTTOM HOLE5 Minute SIP 1800 psig10 Minute SIP 1800 psig15 Minute SIP 1800 psigBall Drops: _____ Balls at _____ gallons _____ psig
_____ Balls at _____ gallons _____ psig
_____ Balls at _____ gallons _____ psig
_____ Balls at _____ gallons _____ psig

Remarks: _____

CASING AND CEMENTING SUMMARY
RINCON No. 21
Jack A. Cole

03/29/90 - TD 5627' at 3:15 AM on 28 Mar 90. Ran formation density log 5627' to surface. Set 128 jts (5607.98 ft) of 4-1/2" 11.6# J-55 LT&C casing at 5622.48 feet. Float collar at 5579.98 ft. Pumped 10 bbl fresh water, 10 bbl 2% CaCl₂, 10 bbl fresh water, 10 bbl Superflush, 10 bbl fresh water then cemented with 510 sx (1718 ft³) Silicalite with 12 lb/sx Gilsonite, 3% Econolite, and 0.8% Halad-322. Tailed in with 350 sx (504 ft³) 50/50 standard/Poz with 2% gel, 6 lb/sx Golsonite, 6 lb/sx salt, 5 lb/sx CalSeal, and 2% CaCl₂. Circulated 10 sx (6 bbl).