

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

2. LEASE DESIGNATION AND SERIAL NO.
SF-078362

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

RINCON

9. WELL NO.

13

10. FIELD AND POOL OR WILDCAT

LYBROOK GALLUP

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

SW $\frac{1}{4}$ NE $\frac{1}{4}$

SEC. 1-T23N-R7W

12. COUNTY OR PARISH

RIO ARRIBA NEW MEXICO

13. STATE

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

2. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PIPE BACK ☐ DIFF. EXCHG. ☐ Other _____

3. NAME OF OPERATOR

JACK A. COLE

4. ADDRESS OF OPERATOR

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

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

At surface 1820 FNL x 2130 FEL

At top prod. interval reported below SAME

At total depth SAME

14. PERMIT NO.

DATE ISSUED

15. DATE SPOOLED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF. BKR. ST. CR. ETC.) 19. ELEV. CASINGHEAD
5 Sept. 1989 13 Sept. 1989 25 Sept. 1989 6827' GR 6841' KB 6827' GR

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D. MD & TVD 22. IF MULTIPLE COMPL. HOW MANY? 23. INTERVALS DRILLED BY 24. ROTARY TOOLS 25. CABLE TOOLS
5625' 5557' 0.5625

26. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD):

5286' - 5298', 5414' - 5434'

5478' - 5488'

27. WAS DIRECTIONAL SURVEY MADE

NO

28. TYPE ELECTRIC AND OTHER LOGS RUN

NO LOGS THIS WORKOVER.

29. WAS WELL CORED

NO

30. 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# J-55	254'	12 1/4"	250 sx (295ft ³)	NONE
4 1/2"	11.6# J-55	5621'	7 7/8"	1075 sx (2305 ft ³)	NONE
				CIRCULATED 123 sx	

31. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	5483'	

32. PERFORATION RECORD (Interval, size and number)

5286'-5298', 4JSPF, .38" -NEW PERFS
5414'-5434', 4JSPF, .38")
5458'-5460', 4JSPF, .38") PREVIOUSLY
5478'-5488', 4JSPF, .38") REPORTED
PERFS.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5286'-5298'	Acidized with 200 gal. 15%
	HCL and fraced with 163,000lb
	20/40 sand in 98,400 gal.
	70% N ₂ foam.

34. PRODUCTION

DATE FIRST PRODUCTION 25 SEPT. 1989 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) FLOWING WELL STATUS (Producing or shut-in) ACTIVE

DATE OF TEST 10-18-89 HOURS TESTED 24 HOURS CHOKE SIZE 48/64 PROD'N. FOR TEST PERIOD 85 OIL—BSL. 180 GAS—MCF. -0- WATER—BSL. 2,118 GAS-OIL RATIO

FLOW. TUBING PRESS. 125 CASING PRESSURE 385 CALCULATED 24-HOUR RATE 85 OIL—BSL. 180 GAS—MCF. -0- WATER—BSL. OIL GRAVITY-API (CORR.) 43.2

35. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

SOLD

TEST WITNESSED BY

DEC 08 1989

36. LIST OF ATTACHMENTS

FRACTURE STIMULATION REPORT

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

SIGNED

[Signature]

Witnessed

PETROLEUM ENGINEER

DATE OCT. 20, 1989

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

GALLUP
Formation (SKELLY) Stage No. N/A

FRACURE TREATMENT
Date 4 OCTOBER, 1989

Operator JACK A. COLE Lease and Well RINCON #13

Correlation Log	Type _____	From _____	To _____
Temporary Bridge Plug	Type <u>HALLIBURTON 4½"11.6#</u>	Set At <u>5370'</u>	
Perforations	<u>5286'-5298'</u>		
	<u>4</u> Per foot type <u>JET, 11.0 GRAM CHARGES</u>		
Pad	<u>45,000</u> gallons. Additives <u>70% N₂</u>		
	<u>FOAMED 30# GEL</u>		
Water	<u>53,400</u> gallons. Additives <u>70% N₂</u>		
	<u>FOAMED 30# GEL</u>		
Sand	<u>163,000</u> lbs. Size <u>20/40 ARIZONA</u>		
Flush	<u>3,740</u> gallons. Additives <u>70% N₂</u>		
	<u>FOAMED 30# GEL</u>		
Breakdown	<u>1700</u> psig		
Ave. Treating Pressure	<u>2400</u> psig		
Max. Treating Pressure	<u>3000</u> psig		
Ave. Injecton Rate	<u>20</u> BPM		
Hydraulic Horsepower	<u>1,197</u> HHP		
Instantaneous SIP	<u>2370</u> psig		
5 Minute SIP	<u>2020</u> psig		
10 Minute SIP	<u>1990</u> psig		
15 Minute SIP	<u>1950</u> psig		
Ball Drops:	<u>NONE</u>	Balls at _____	gallons _____ psig
			increased _____
		Balls at _____	gallons _____ psig
			increased _____
		Balls at _____	gallons _____ psig
			increased _____

Remarks: REACHED 6.0 PPA SAND CONC. AT END OF JOB.