

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

5. LEASE DESIGNATION AND SERIAL NO.

SF-080202-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

RINCON

9. WELL NO.

15

10. FIELD AND POOL, OR WILDCAT

LYBROOK GALLUP

11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA  
NW 1/4 NE 1/4

SEC. 35-T24N-R7W

12. COUNTY OR

PARISH

RIO ARRIBA

13. STATE

NEW MEXICO

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 requirements)

At surface 360' FNL & 1850' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

30-039-27687

MAY 07 1990

OIL CON. DIV

DIST. 3

15. DATE SPUDDED

3-29-90

16. DATE T.D. REACHED

4-7-90

17. DATE COMPL. (Ready to prod.)

4-14-90

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

GR-6963'

KB-6977'

19. ELEV. CASINGHEAD

6963'

20. TOTAL DEPTH, MD & TVD

5800 MD & TVD

21. PLUG, BACK T.D., MD & TVD

5748'

22. IF MULTIPLE COMPL.,  
HOW MANY\*

23. INTERVALS  
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-5800'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

5602'-5619' GALLUP (MARYE I)

5664'-5669' GALLUP (MARYE III)

25. WAS DIRECTIONAL  
SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

FORMATION DENSITY - HALLIBURTON LOGGING SERVICES

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"	24.00.	284' 2 1/2	12.250	230 SACKS CIRC.	NONE
4 1/2"	11.60	5795'	7.875	1105 SACKS CIRC. (SEE ATTACHED REPORT)	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2.375	5707.29'	NONE

31. PERFORATION RECORD (Interval, size and number)

5602'-5619' .42" 68 HOLES  
5664'-5669' .42" 4 HOLES  
72 HOLES TOTAL

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5602'-5619'	ACIDIZE WITH 600 GALS. 8% HCL
5602'-5669'	FOAM FRAC WITH 200,000 LB. 20/40 ARIZONA SAND IN 112,503 GAL. 65% IPF N2 FOAM

33.\* PRODUCTION

DATE FIRST PRODUCTION 4-19-90 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in)

TEST TO FOLLOW - SURFACE FACILITY CONSTRUCTION IN PROGRESS

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-15-90	24	32/64					
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
155	320		18	410			

ACCEPTED FOR RECORD

MAY 03 1990

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

SOLD

TEST WITNESSED BY  
FARMINGTON RESOURCE AREA

BY 211

35. LIST OF ATTACHMENTS

CASING & CEMENTING SUMMARY, FRACTURE TREATMENT SUMMARY.

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

SIGNED

TITLE

PETROLEUM ENGINEER

DATE APRIL 19, 1990

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

JACK A. COLE RINCON NO. 15 - SEC. 35-T24N-R7W, RIO ARRIBA COUNTY, NEW MEXICO

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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
OJO ALAMO	1600	1680	SANDSTONE - WATER	OJO ALAMO	1600	
PICTURED CLIFFS	2162	2266	SANDSTONE - WATER	KIRTLAND	1677	
CLIFFHOUSE	3667	3689	SANDSTONE - WATER	FRUITLAND	2150	
POINT LOOKOUT	4407	4615	SANDSTONE - WATER	PICTURED CLIFFS	2162	
UPPER GALLUP	5470	5490	SANDSTONE - OIL & GAS	LEWIS	2217	
LOWER GALLUP	5601	5730	SANDSTONE - OIL & GAS	CHACRA	2562	
				CLIFFHOUSE	3667	
				MENEFFEE	3707	
				POINT LOOKOUT	4407	
				UPPER MANCOS	4597	
				GALLUP	5470	

38. GEOLOGIC MARKERS

## FRACTURE TREATMENT

Formation GALLUP Stage No. 1 OF 1 Date APRIL 11, 1990Operator JACK A. COLE Lease and Well RINCON NO. 15

Correlation Log Type \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Temporary Bridge Plug Type \_\_\_\_\_ Set At \_\_\_\_\_

Perforations 5602'-5619', 60 HOLES 5664'-5669', 4 HOLES  
Per foot type 19 GRAM BULL JETPad 26,126 gallons. Additives 65% IPF  
N2 FOAMWater 84.377 gallons. Additives 65% IPF  
N2 FOAMSand 200,000 lbs. Size 20/40 ARIZONAFlush 3,000 gallons. Additives 37.5% IPF  
N2 FOAM

Breakdown \_\_\_\_\_ psig

Ave. Treating Pressure 3300 psigMax. Treating Pressure 3400 psigAve. Injection Rate 40 BPMHydraulic Horsepower 3291 HHPInstantaneous SIP 2053 psig5 Minute SIP 2050 psig10 Minute SIP 2050 psig15 Minute SIP 2050 psigBall Drops: NONE Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig  
\_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig  
\_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psig  
\_\_\_\_\_ Balls at \_\_\_\_\_ gallons \_\_\_\_\_ psigRemarks: SERVICE COMPANY - HALLIBURTON

**CASING AND CEMENTING SUMMARY**  
**RINCON No. 15**  
**Jack A. Cole**

04/08/90 - TD 5800' at 6:00 AM on 07 APR 90. Ran formation density log 5796' to surface. Set 131 jts (5780.52 ft) of 4-1/2" 11.6# J-55 LT&C casing at 5794.52 feet. Float collar at 5748.33 ft. Pumped 10 bbl fresh water, 10 bbl 2% CaCl<sub>2</sub>, 10 bbl fresh water, 10 bbl Superflush, 10 bbl fresh water then cemented with 585 sx (1970 ft<sup>3</sup>) Silicalite with 12 lb/sx Gilsonite, 3% Econolite, and 0.8% Halad-322. Tailed in with 520 sx (750 ft<sup>3</sup>) 50/50 standard/Poz with 2% gel, 6 lb/sx Golsonite, 6 lb/sx salt, 5 lb/sx CalSeal, and 2% CaCl<sub>2</sub>. Circulated 303 sx (90 bbl) cement. Plug Down at 6:18 AM on 08 April 1990.