

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

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. ENVR. ☐ 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 845' FSL, 1960' FEL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

RECEIVED
DEC 01 1987
OIL CON. DIV.
DIST. 3

DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

SE-078534

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

MARCUS A

9. WELL NO.

22

10. FIELD AND POOL, OR WILDCAT

LYBROOK - GALLUP

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

SW, SE, SEC 31-T24N-R6W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPUDDED 8-29-87 16. DATE T.D. REACHED 9-8-87 17. DATE COMPL. (Ready to prod.) 9-22-87 18. ELEVATIONS (DP, RKB, RT, GR, ETC.)* 7074 GR 7086 KB 19. ELEV. CASINGHEAD 7074
20. TOTAL DEPTH, MD & TVD 5966 21. PLUG. BACK T.D., MD & TVD 5897 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS 0-5966 CABLE TOOLS

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

5614-5624

5746-5822

Gallup

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction and Formation Density

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 J-55	275	12 1/4"	250 sks. 259 cu. ft.	None
4 1/2	10.50 K-55	5960	7 7/8"	815 sks. 1725 cu. ft.	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	5776	

31. PERFORATION RECORD (Interval, size and number)

5614-5625 - 4/ft. .50 dia.

5746-5750

5752-5760 - 2/ft. .50 dia.

5814-5822

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5614-5624	28,500 gals. gelled oil & 50,000 lbs. 20-40 sand
5746-5822	34,000 gals. gelled oil & 60,000 lbs. 20-40 sand

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
11-21-87 oil	flowing	producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
11-22-87	24	3/4	→	25	550	-0-	22,000
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
220	380	→	25	550	-0-	40.0	

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED Douglas Blane H

TITLE Production Superintendent

DATE Nov. 24, 1987

*(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);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP VERT. DEPTH
				Ojo Alamo	1785	1785
				Kirtland	1845	1845
				Fruitland	2105	2105
				Pictured Cliff	2310	2310
				Lewis	2380	2380
				Chacra	2710	2710
				Cliffhouse	3172	3172
				Menefée	3840	3840
				Point Lookout	4538	4538
				Mancos	4750	4750
				Gallup	5400	5400
				Skelly	5610	5610
				Marye	5735	5735
				TD	5966	5966

MARCUS NO. A22

Casing and Cement Summary

September 8, 1987

TD- 5966'. Ran 149 joints, 4 1/2", 10.50 lb., K-55 casing. Measured 5944.17, set at 5960.24. Float collar- 5913.80 (KB), Stage collar- 4359.01 (KB). First stage cemented as follows:

Pump 10 bbls. fresh water, 10 bbls. CaCl_2 water, 10 bbls. fresh water, 12 bbls. Flocheck-21, 10 bbls. water spacer followed by 325 sacks, (461 cu. ft.) 50-50 pozmix, 2% gel, 6 1/4 lbs. Gilsonite and 6 lbs. salt per sack. Plug down

Circulated cement by stage collar. Circulated 4 hours between stages. September 9, 1987-4:00 A.M.

Second stage - same spacer program as the first stage followed by 440 sacks, (1205 cu. ft.) 65-35 pozmix, 12% gel, 6 1/4 lbs. Gilsonite per sack followed by 50 sacks, (59 cu. ft.) Class "B" cement. Plug down 9:00 A.M., September 9, 1987. Circulated cement to surface.