

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 *

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ 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 860' FNL, 2270' FEL
At top prod. interval reported below SAME
At total depth SAME

6. LEASE DESIGNATION AND SERIAL NO.: SF-078362
7. IF INDIAN, ALLOTTEE OR TRIBE NAME:
8. UNIT AGREEMENT NAME:
9. FARM OR LEASE NAME: Marcus A
10. WELL NO.: 12
11. FIELD AND POOL, OR WILDCAT: Counselors Gallup Dakota
12. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: NWNE
13. Section 5-T23N-R6W
14. PERMIT NO.:
15. DATE SPUDDED: 11-23-87
16. DATE T.D. REACHED: 11-30-87
17. DATE COMPL. (Ready to prod.): 12-15-87
18. ELEVATIONS (DF, RKB, ST, GR, ETC.): 6847' GL 6861' KB 6847' GL
19. ELEV. CASINGHEAD:
20. TOTAL DEPTH, MD & TVD: 5771
21. PLUG BACK T.D., MD & TVD: 5729
22. IF MULTIPLE COMPLET., HOW MANY?:
23. INTERVALS DRILLED BY: 0-5771
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD): 5559-5698 5426-5438 Gallup
25. WAS DIRECTIONAL SURVEY MADE: NO
26. TYPE ELECTRIC AND OTHER LOGS RUN: ESIND 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	233.65	12 1/4	190 sacks 224 ft. ³	None
4 1/2	10.50 K-55	5771	7 7/8	790 sacks 1729 Ft. ³	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	5649.11	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
5559-65 2/ft.		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5568-80 2/ft.		5559-5698	39,500 gals. gelled oil and
5630-40 2/ft. .378 dia.			75,000 lbs. 20-40 sand
5685-98 2/ft.		5426-5438	36,500 gals. gelled oil and
5426-38 4/ft.			75,000 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)	
1/6/88 New Oil		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
1/6/88	24	3/4		55	450	-0-	8,182
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
550	760		55	450	-0-		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Sold
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 Blawie TITLE Production Superintendent DATE January 7, 1988

*(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, flow and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			See Attached for Cement Summary

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	1508	1508
Kirtland	1650	1650
Fruitland	1932	1932
Pictured Cliffs	1990	1990
Lewis	2190	2190
Chacra	2610	2610
Cliffhouse	2985	3100
Menefee	3100	3100
Point Lookout	4340	4340
Mancos	4500	4500
Gallup	5210	5210
TD	5771	5771

MARCUS NO. A12

Casing and Cement Summary

11-30-87

TD-5771'. Ran 139 joints, 4 1/2", 10.50 lb., K-55 casing. Measured 5760.10, set at 5771.00. Float collar 5729.23 (KB), Stage collar 4129.31 (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 340 sacks, (496 cu. ft.) 50-50 pozmix, 2% gel, 6 1/4 lbs. Gilsonite and 6 lbs. salt per sack. Plug down 9:45 A.M. December 1, 1987.

Circulated cement by stage collar. Circulated 4 hours between stages.

Second stage - same spacer program as the first stage followed by 450 sacks, (1233 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 2:50 P.M. December 1, 1987. Circulated 30 bbls. cement.