

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. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

JACK A. COLE

3. ADDRESS OF OPERATOR

P. O. BOX 191, FARMINGTON, NEW MEXICO 87499-0191

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

At surface 1840 FNL X 990 FWL

At top prod. interval reported below

SAME

At total depth

SAME

14. PERMIT NO.

DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

SF-078562

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

RINCON

9. WELL NO.

10-3

10. FIELD AND POOL, OR WILDCAT

DEVIL'S FORK GALLUP

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

OR AREA
SW/4 NW/4

SEC. 19-T24N-R6W

12. COUNTY OR PARISH

RIO ARRIBA

13. STATE

NEW MEXICO

15. DATE SPUDDED 03 MAY 1991 16. DATE T.D. REACHED 10 MAY 1991 17. DATE COMPL. (Ready to prod.) 03 JUNE 1991 18. ELEVATIONS (DF, RKE, RT, GE, ETC.)* 6909' KB 6923' 19. ELEV. CASINGHEAD 6909'

20. TOTAL DEPTH, MD & TVD 5910' MD& TVD 21. PLUG. BACK T.D., MD 5853' 22. INTERVALS COMPLETED HOW MANY* 23. INTERVALS DRILLED BY 0-5910' 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, (TVD)* GALLUP 5748'-5765'

25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN COMPENSATED DENSITY LOG 09 MAY 1991 GREAT GUNS LOGGING

27. WAS WELL CORED NO

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

29. LINER RECORD

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

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

33. PRODUCTION

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

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 [Signature] TITLE PETROLEUM ENGINEER

DATE 13 JUNE 1991

*(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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
OJO ALAMO	1750	1875	SS, WATER	OJO ALAMO	1750	1750
KIRTLAND	1875		SHALE, WATER	KIRTLAND	1875	1875
CLIFFHOUSE	3890		SS, GAS, WATER	CLIFFHOUSE	3890	3890
PT. LOOKOUT	4590	4600	SS, WATER	PT. LOOKOUT	4590	4590
GALLUP	5675	5910 TD	OIL AND GAS, SS, SHALE	GALLUP	5675	

Well Name: Rincon 19-3
 Date: 21 MAY 1991

FOAMED OIL FRAC
 TREATMENT SUMMARY REPORT
 Constant Internal Phase Design

Z Pad= 19.00%

Volume (BBL)	Volume (Gal)	Sd Conc (lb/gal)	Stage Proppant	Cumulative Proppant	Cumulative Volume	Internal Phase Quality	Liquid Vol (gal)	Old Def Quality	Slurry Vol (gal)	Pump Time Minutes
143	6,026	0.00	0	0	6,026	75.00%	1,507	75.00%	1,507	7.17
24	1,000	1.00	1,000	1,000	7,026	70.00%	314	64.12%	359	1.19
238	10,000	2.00	20,000	21,000	17,026	70.00%	3,271	58.25%	4,175	11.90
198	8,333	3.00	25,000	46,000	25,359	70.00%	2,839	52.37%	3,969	9.92
68	2,857	3.50	10,000	56,000	28,217	70.00%	993	49.43%	1,445	3.40
60	2,500	4.00	10,000	66,000	30,717	65.00%	1,033	40.59%	1,485	2.98
24	1,000	5.00	5,000	71,000	31,717	65.00%	429	34.49%	655	1.19

IN ZONE TOTAL	31,717		71,000				10,385		13,595	37.76
FLUSH:	2,900 gal			69 BBL		70.00%	870	70.00%	870	3.45
JOB TOTAL:	34,617		71,000				11,255		14,465	41.21
Total Fluid Used.....							268 Barrels			

JOB DATA:

Frac Gradient:	0.60 psi/ft	BH Frac Pres:	3,454 psig
Mid-Pay Depth:	5,757 feet	Surface Treating Pres:	2,500 psig
BH Foam Rate:	20 BPM	ISIP:	2,300 psig
Frac Via:	4.50 inch Casing		