

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☒	GAS WELL ☐	DRY ☐	Other ☐	
b. TYPE OF COMPLETION:		NEW WELL ☒	WORKS OVER ☐	DEEP-EN ☐	PLUG BACK ☐	WELL REPAIR ☐
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 810 FNL X 820 FEL SEC. 30-T24N-R7W At top prod. interval reported below At total depth SAME SAME						
14. PERMIT NO.		DATE ISSUED 30-039-24660				
15. DATE SPUDDED 04-08-90		16. DATE T.D. REACHED 04-17-90		17. DATE COMPL. (Ready to prod.) 04-27-90		
20. TOTAL DEPTH, MD & TVD 5667' MD & TVD		21. PLUG. BACK T.D., MD & TVD 5618'		22. IF MULTIPLE COMPL., HOW MANY*		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5459'-5493' GALLUP		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL 6650' KB 6664'		19. ELEV. CASINGHEAD 6650' MSL		
26. TYPE ELECTRIC AND OTHER LOGS RUN HALLIBURTON LOGGING SERVICES COMPENSATED DENSITY-GAMMA RAY		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		
8 5/8"	24#	284'	12.250"	230 SX. CIRC.		
4 1/2"	11.6#	5665'	7.875"	STAGE 1-490 SX.		
				STAGE 2-850 SX.		
				STAGE COLLAR 4025'		
29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	
					2.375"	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
5459'-5493' 0.45" 68 HOLES				DEPTH INTERVAL (MD)		
				AMOUNT AND KIND OF MATERIAL USED		
				5459-5493'		
				600 GAL. 7.5% HCL + 200,000 LB.		
				20/40 SAND IN 106,918 GAL 65.		
				QUALITY IPF NITROGEN FOAM.		
33. PRODUCTION						
DATE FIRST PRODUCTION 05-08-90		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) PUMPING - 1 1/4" PUMP			WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 05-08-90	HOURS TESTED 24	CHOKE SIZE N/A	PROD'N. FOR TEST PERIOD →	OIL—BBL. 20	GAS—MCF. 55	
FLOW. TUBING PRESS. 90 PSIG	CASING PRESSURE 90 PSIG	CALCULATED 24-HOUR RATE →	OIL—BBL. 20	GAS—MCF. 55	WATER—BBL. 3	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) SOLD			TEST WITNESSED BY			
35. LIST OF ATTACHMENTS FRACTURE TREATMENT SUMMARY, CASING & CEMENTING SUMMARY, WELLBORE LOG						
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records						
SIGNED <u>[Signature]</u>		TITLE PETROLEUM ENGINEER				

*(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	1311			OJO ALAMO	1311	
KIRTLAND	1453			KIRTLAND	1453	
FRUITLAND	1735			FRUITLAND	1735	
PICTURED CLIFFS	1793			PICTURED CLIFFS	1793	
CHACRA	2413			CHACRA	2413	
CLIFFHOUSE	2788			CLIFFHOUSE	2788	
MENEFEE	2903			MENEFEE	2903	
POINT LOOKOUT	4143			POINT LOOKOUT	4143	
GALLUP	5013		OIL AND GAS	GALLUP	5013	

FRACTURE TREATMENT SUMMARY AND REPORT
JACK A. COLE

Well Name: Rincon No. 3
Date: 24 APR 1990

Fluid Data: 30# gel foamed with nitrogen to specified internal phase fraction.
Additives: WG-11 @ 30 lb/1000 gal, 3 gpt Tri-S, 2 gpt Clayfix II

% Pad= 24.00%

Volume (Gal)	Sd Conc (lb/gal)	Stage Proppant	Cumulative Proppant	Cumulative Volume	Internal Phase Quality	Liquid Vol (gal)	Old Def Quality	Slurry Vol (gal)
25,660	0.00	0	0	25,660	55.00%	11,547	55.00%	11,547
9,000	1.00	9,000	9,000	34,660	60.00%	3,763	53.67%	4,170
6,667	1.50	10,000	19,000	41,327	65.00%	2,492	55.85%	2,944
20,000	2.00	40,000	59,000	61,327	65.00%	7,633	52.80%	9,441
16,000	2.50	40,000	99,000	77,327	65.00%	6,233	49.75%	8,041
13,333	3.00	40,000	139,000	90,660	65.00%	5,299	46.69%	7,107
10,286	3.50	36,000	175,000	100,946	65.00%	4,170	43.64%	5,797
3,750	4.00	15,000	190,000	104,696	65.00%	1,550	40.59%	2,228
2,222	4.50	10,000	200,000	106,918	65.00%	936	37.54%	1,388
0	5.00	0	200,000	106,918	0.00%	0	ERR	0
0	6.00	0	200,000	106,918	0.00%	0	ERR	0
=====								
IN ZONE TOTAL	106,918	200,000				43,622		52,662
=====								
FLUSH:	3,000				50.00%	1,500	50.00%	1,500
JOB TOTAL:	109,918	200,000				45,122		54,162
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Total Fluid Required.....						1,074 Barrels		
Frac Tank Capacity Less 2' Bottoms.....						360 Barrels		
Number of Frac Tanks Required For Job.....						2.98 Tanks		

ACTUAL DATA:

AVERAGE INJECTION RATE: 40 BPM
AVERAGE TREATING PRESSURE: 3,450 PSIG - DOWN CASING
INSTANTANEOUS SHUT IN PRESSURE: 2,350 PSIG
5 MINUTE SHUT IN PRESSURE: 2,159 PSIG
10 MINUTE SHUT-IN PRESSURE: 2,126 PSIG
15 MINUTE SHUT-IN PRESSURE: 2,108 PSIG

DIAGRAMMATIC WELL SKETCH

Rincon No. 3
Escrito Gallup Ext.
Rio Arriba Co., New Mexico

Location: 810 FNL x 820 FEL Sec 30 T24N R6W API#: 300-392-4660

Completion Date: April 1990

TD: 5667' PBTD: 5618' GL: 6650' MSL KB: 6664' MSL (14' AGL)

8-5/8" 24# J-55 @ 284'. Cmt x 230 sx, circ.

Stage Collar @ 4025'. Cmt Stg II x 800 sx 65/35 Poz
x Tail x 50 sx Class "B" Neat. Circ 127 sx.

PERFORATION RECORD

INTERVAL	FEET	SPF	#HOLES	DATE OPENED	COMMENTS
5459' - 5493'	34	2	68	Proposed	Marye I Sand

Float Collar @ 5618' (PBTD)
4-1/2" 11.6# J-55 Casing @ 5665'. Cmt Stg I x 490 sx 50/50 Poz.
Cement circulated above stage collar.

TD 5667'

N. L. Duncan 4/20/90
N. L. DUNCAN

CASING AND CEMENTING SUMMARY
RINCON No. 3
Jack A. Cole

04/18/90 - TD 5663' at 5:30 AM on 17 APR 90. Ran formation density log 5663' to surface. Drill additional 4' to new TD 5667' after logging to make casing fit. Set 128 jts (5664.65 ft) of 4-1/2" 11.6# J-55 LT&C casing plus 6.00 ft of float equipment at 5664.65 feet. Stage collar at 4024.93', float collar at 5618.03 ft. Cemented in two stages as follows: Stage I - Pumped 10 bbl fresh water, 10 bbl 2% CaCl₂, 10 bbl fresh water, 8.5 bbl Flo-Check 21, 10 bbl fresh water then cemented with 490 sx 50/50 Pozmix with 2% gel, 6 lb/sx gilsonite, and 6 lb/sx NaCl. Plug down stage I at 3:15 AM 18 April 1990. Circulated 6 hrs between stages.

Stage II - Pumped 30 bbl fresh water then cemented with 800 sx 65/35 Pozmix with 12% gel and 6 lb/sx gilsonite. Tail in with 50 sx Class "B" Neat. Plug down stage II at 11:14 am 18 April 1990.