

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐						5. LEASE DESIGNATION AND SERIAL NO. NMSF - 079968	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Richardson Operating Company						7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. 3100 LaPlata Hwy., Farmington, NM 87401 505-564-3100						8. FARM OR LEASE NAME, WELL NO. DE ROPCO 8, #1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 850' FNL & 1850' FEL At top prod. interval reported below At total depth						9. API WELL NO. <u>44</u> <u>30-045-30364</u>	
14. PERMIT NO. _____ DATE ISSUED <u>5/23/01</u>						10. FIELD AND POOL, OR WILDCAT Twin Mounds Frt SD - PC	
12. COUNTY OR PARISH San Juan						13. STATE New Mexico	
15. DATE SPUDDED 7/18/01	16. DATE T.D. REACHED 7/20/01	17. DATE COMPL. (Ready to prod.) 7/01/02	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5315' GR	19. ELEV. CASINGHEAD 5315' GR			
20. TOTAL DEPTH, MD & TVD 900'	21. PLUG BACK T.D., MD & TVD 842'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY →	ROTARY TOOLS 0 - 900'	CABLE TOOLS		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 670' - 680' Pictured Cliffs						25. WAS DIRECTIONAL SURVEY MADE Yes - while drlg	
26. TYPE ELECTRIC AND OTHER LOGS RUN Compensated Newtron - GR - CCL						24. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD		AMOUNT PULLED	
7"	20#	130'	8 3/4"	Surface, 360 sx, Circ 17 sx			
4 1/2"	10.5#	884'	6 1/4"	Surface, 127 sx, Circ 26 sx			
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	556'	
31. PERFORATION RECORD (Interval, size and number) 670' - 680', 0.34", 40 holes				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
				670' - 680'	500 gal 15% HCL, 17470 gal XL Gel & 48260#s 20/40 Brown & 1930#s LS		
33.* PRODUCTION							
DATE FIRST PRODUCTION Shut-in, Wait on PL		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST No Test	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL-BBL.	GAS-MCF	WATER-BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS Deviation Survey							
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 <u>Agent, PMCI</u>		DATE <u>AUG 13 2002</u> <u>5/5/02</u> FARMINGTON FIELD OFFICE BY <u>[Signature]</u>	

ACCEPTED FOR RECORD

AUG 13 2002

FARMINGTON FIELD OFFICE

37. SURF VARY OR POROUS ZONES: (Show all important zones or 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
Fruitland	440'	660'				
Pictured Cliffs	660'	Below TD				