

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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO. <b>SF 078931</b>																									
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME																									
2. NAME OF OPERATOR <b>Richardson Operating Company</b>				7. UNIT AGREEMENT NAME																									
3. ADDRESS OF OPERATOR <b>1700 Lincoln, Suite 1700 Denver, CO 80203</b>				8. FARM OR LEASE NAME <b>ROPCO Federal 12</b>																									
4. LOCATION OF WELL At surface <b>1630' FNL, 770' FEL</b> At top prod. interval reported below At total depth <b>Same</b>				9. WELL NO. <b>2</b>																									
14. PERMIT NO. <b>30-045-29198</b>				10. FIELD AND POOL, OR WILDCAT <b>West Kutz Pictured Cliffs</b>																									
DATE ISSUED <b>14-Oct-94</b>				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <b>Section 12, T29N, R13W</b>																									
15. DATE SPUNDED <b>10/20/94</b>		16. DATE T.D. REACHED <b>10/24/94</b>		12. COUNTY OR PARISH <b>San Juan</b>																									
17. DATE COMPL. (Ready to prod.) <b>11/28/94</b>		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <b>5525' GR</b>		13. STATE <b>New Mexico</b>																									
20. TOTAL DEPTH, MD & TVD <b>1630' KB</b>		21. PLUG, BACK T.D., MD & TVD <b>1590' KB</b>		19. ELEV. CASINGHEAD																									
22. IF MULTIPLE COMPL., HOW MANY* <b>2</b>		23. INTERVALS DRILLED BY <b>→</b>		ROTARY TOOLS <b>Yes</b>																									
24. PRODUCING INTERVAL(S), OF THIS COMPLETION -- TOP, BOTTOM, NAME (MD AND TVD)* <b>1478' to 1490' KB West Kutz Pictured Cliffs</b>				CABLE TOOLS																									
26. TYPE ELECTRIC AND OTHER LOGS RUN <b>Dual Induction, SFL, Compensated Neutron, Formation Density, Gamma Ray, SP, Caliper</b>				25. WAS DIRECTIONAL SURVEY MADE <b>Yes</b>																									
27. WAS WELL CORED <b>No</b>				28. CASING RECORD (Report all strings set in well)																									
<table border="1"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>8 5/8"</td><td>24</td><td>126'</td><td>12 1/4"</td><td>140 sx (165.2 cf) Class B w/ 2% CaCl</td><td></td></tr><tr><td>5 1/2"</td><td>15.5</td><td>1622'</td><td>7 7/8"</td><td>150 sx (309 cf) Class B w/ 2% Sodium metasilicate and 1/4 #/sk cello flakes</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>100 sx (118 cf) Class B w/ 2% CaCl</td><td></td></tr></tbody></table>						CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	8 5/8"	24	126'	12 1/4"	140 sx (165.2 cf) Class B w/ 2% CaCl		5 1/2"	15.5	1622'	7 7/8"	150 sx (309 cf) Class B w/ 2% Sodium metasilicate and 1/4 #/sk cello flakes						100 sx (118 cf) Class B w/ 2% CaCl	
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29. LINER RECORD																													
30. TUBING RECORD																													
31. PERFORATION RECORD (Interval, size and number) <b>1478' to 1490' 48 (0.5" holes)</b>																													
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. <table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td>1478' to 1490'</td><td>297 bbl of 70Q foam</td></tr><tr><td></td><td>66,240 # of 12/20 sand</td></tr></tbody></table>						DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	1478' to 1490'	297 bbl of 70Q foam		66,240 # of 12/20 sand																		
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33.* PRODUCTION																													
DATE FIRST PRODUCTION																													
PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) <b>Flowing</b>																													
WELL STATUS <b>Shut In</b>																													
DATE OF 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.) <b>Vented</b>																													
TEST WITNESSED BY <b>Bruce E. Delventhal</b>																													
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

*Bruce E. Delventhal*

TITLE

Agent

DATE

1/17/95

ACCEPTED FOR RECORD

\*(See Instructions and Spaces for Additional Data on Reverse Side)

JAN 19 1995

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FARMINGTON DISTRICT OFFICE

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.	TOP		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Fruitland Coal	1361'	1478'				
Pictured Cliffs	1478'	TD				