

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 _____		7. UNIT AGREEMENT NAME <u>Fruitland Coal</u>	
B. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other _____		S. FARM OR LEASE NAME <u>Federal 13-13</u>	
2. NAME OF OPERATOR <u>Morgan Richardson Operating Company</u>		9. WELL NO. <u>#1</u>	
3. ADDRESS OF OPERATOR <u>P. O. Box 1915 Farmington, NM 87499</u>		10. FIELD AND POOL, OR WILDCAT <u>Basin Fruitland Coal</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with State requirements) At surface <u>880' FNL, 1450' FEL (NWNE)</u> At top prod. interval reported below At total depth <u>Same</u>		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <u>13, T28N, R8W NMPM</u>	
14. PERMIT NO. <u>30-045-28053</u>		DATE ISSUED <u>7/24/90</u>	
15. DATE SPUDDED <u>8/22/90</u>		16. DATE T.D. REACHED <u>8/26/90</u>	
17. DATE COMPL. (Ready to prod.) <u>9/11/90</u>		18. ELEVATIONS (DF, RKB, RT, CE, ETC.)* <u>6423' GR</u>	
19. ELEV. CASINGHEAD <u>6423' GR</u>			
20. TOTAL DEPTH, MD & TVD <u>3130'</u>		21. PLUG, BACK T.D., MD & TVD <u>3080'</u>	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY <u>X</u>	
24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <u>2892' - 3034' Fruitland Coal</u>		25. WAS DIRECTIONAL SURVEY MADE <u>No</u>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>Dual Induction, SFL, Gamma Ray, Caliper, Compensated Neutron, Form. Den</u>		27. WAS WELL CORED <u>No</u>	
CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
<u>8 5/8"</u>	<u>20</u>	<u>265'</u>	<u>12 1/4"</u>
<u>4 1/2"</u>	<u>10.5</u>	<u>3122'</u>	<u>7 7/8"</u>
		CEMENTING RECORD	
		<u>150 sx (177 cf) Class B</u>	
		<u>400 sx (824 cf) Lead</u>	
		<u>150 sx (177 cf) Tail</u>	
		AMOUNT PULLED	
LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
<u>2 3/8"</u>	<u>3030'</u>		
31. PERFORATION RECORD (Interval, size and number)			
<u>3018'-3034', 2998'-3004', 2940'-2984', 2892'-2906' 160 0.5" holes</u>			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
<u>2892-3034</u>		<u>37,768 Gal 70 Q foam</u>	
		<u>15,000# 40/70</u>	
		<u>240,000# 12/20</u>	
PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
		<u>WO Pipeline</u>	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD
<u>9/22/90</u>	<u>24</u>	<u>3/4"</u>	<u>725</u>
OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
	<u>725</u>		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.
<u>35</u>	<u>135</u>	<u>725</u>	
DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <u>Vented</u>			
LIST OF ATTACHMENTS			
I hereby certify that the foregoing and attached information is complete and correct as determined by available records			
SIGNED <u>Bruce Delventhal</u>		TITLE <u>Agent</u>	
		DATE <u>Oct 1, 1990</u>	

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

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.

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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
Fruitland	2850	3034				
Pictured Cliffs	3034	TD				