

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other						5. Lease Serial No. NMSF-078390			
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resv. <input type="checkbox"/> Other _____						6. If Indian, Allottee or Tribe Name NA			
2. Name of Operator Richardson Operating Company						Unit or CA Agreement Name and No. NA			
3. Address 3100 La Plata Highway, Farmington, NM 87401						8. Lease Name and Well No. Federal 31-15 #3			
3a. Phone No. (include area code) 505-564-3100						9. AFI Well No. 30-045-31977			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 2423 2433' FNL, 1696' FWL, Sec. 15, T28N, R8W At top prod. interval reported below At total depth Same as Above						10. Field and Pool, or Exploratory Basin Fruitland Coal			
14. Date Spudded 04/27/0204						11. Sec., T., R., M., on Block and Survey or Area Sec. 15, T28N, R8W			
15. Date T.D. Reached 05/05/2004						12. County or Parish San Juan			
16. Date Completed 5-28-04 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.						13. State NM			
17. Elevations (DF, RKB, RT, GL)* 5878' GL									
18. Total Depth: MD 2590' GL TVD						19. Plug Back T.D.: MD TVD			
20. Depth Bridge Plug Set: MD TVD									
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Compensated Neutron Log						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)			
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
8-3/4"	7" K-55	20#	Surface	265'		90sx Class B	19bbbls	Surface	Circ. 9.5bbbls
6-1/4"	4.5" J-55	11.6#	Surface	2577'		220sx Class B	110bbbls		
						110sx Class B	23bbbls	Surface	Circ. 15bbbls
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2- 3/8"	2314'								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Basin Fruitland Coal	2140'	2307'	2140'; 2176'; 2180';	0.38"	3	Open			
B)			2218'; 2222'; 2228';	0.38"	3	Total Holes: 21			
C)			2230'; 2242'; 2265';	0.38"	3				
D)			2293'-2303'	0.38"	11				
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval			Amount and Type of Material						
2140'-2303'			Spearhead with 500 gal 15% HCl						
			Frac with 35,983 gal gelled fluid, 352,931 SCF N2, with 104,857# 20/40 Brady Sand, all in eight stages						
			Flush w/ 1,344gal AMGEL						
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						Sundry of tests to follow
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	SI: WOPL
			→						
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Fruitland Coal Pictured Cliffs	2140' 2307'	2307' 2390'			

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

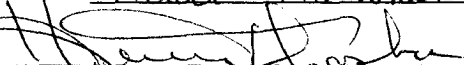
Name (please print)

Heidi Thrasher

Title

Secretary

Signature



Date 05/25/2004

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.