

Form 3160-4  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

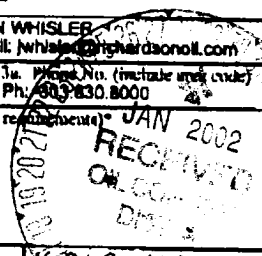
1. a. Type of Well  Oil Well  Gas Well  Dry  Other: CBM  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Reserv.  
 Other \_\_\_\_\_

2. Name of Operator: RICHARDSON OPERATING COMPANY  
 Contact: JOHN WHISLER  
 E-Mail: jwhisler@richardsonoil.com

3. Address: 1700 LINCOLN, SUITE 1700  
 DENVER, CO 80203  
 1st Phone No. (include area code): 303-830-8000

4. Location of Well (Report location clearly and in accordance with Federal requirements)  
 At surface: SESW 790FBL 1800FWL  
 At top prod interval reported below: SESW 790FSL 1800FWL  
 At total depth: SESW 790FSL 1800FWL

5. Lease Serial No.: NM-0206985  
 6. If Indian, Allottee or Tribe Name: \_\_\_\_\_  
 7. Unit or CA Agreement Name and No.: \_\_\_\_\_  
 8. Lease Name and Well No.: PERF #80  
 9. API Well No.: 30-045-30172  
 10. Field and Pool, or Exploratory: BASIN FRUITLAND COAL  
 11. Sec., T., R., M., or Block and Survey or Area: Sec 35 T30N R14W Mer 3PM  
 12. County or Parish: SAN JUAN  
 13. State: NM  
 14. Date Spudded: 03/17/2001  
 15. Date T.D. Reached: 03/20/2001  
 16. Date Completed: 05/08/2001  
 O & A  Ready to Prod.  
 17. Elevations (DF, KB, RT, GL)\*: 5485 KB  
 18. Total Depth: MD 1254 TVD  
 19. Plug Back T.D.: MD 1220 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?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit analysis)  
 Directional Survey?  No  Yes (Submit analysis)



23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (H/R.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
8.750	7.000	20.0		140		80			
8.250	4.500 J-55	10.5		1249		131			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	1130							

25. Producing Intervals

Formation	Top	Bottom	Performed Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	1082	1102	1082 TO 1092	0.400	40	
B)			1092 TO 1102	0.400	24	
C)						
D)						

26. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
1082 TO 1102	72.8000 20/40 BRADY SAND

28a. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Cor. API	Gas Gravity	Production Method
08/04/2001	08/04/2001	12	→	0.0	40.0	60.0		0.57	GAS PUMPING UNIT
Choke Size	Thp. Press. Psg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
25	SI 250	250.0	→					GS1	

28b. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Cor. API	Gas Gravity	Production Method
			→						
Choke Size	Thp. Press. Psg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)  
ELECTRONIC SUBMISSION #9789 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
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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
			24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Oil:Gas 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
			24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Oil:Gas Ratio	Well Status	

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

**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	1082	1092			
FRUITLAND COAL	1098	1102			

32. Additional remarks (include plugging procedure):  
**NO REMARK PROVIDED**

**33. Circle enclosed attachments:**

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

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

Electronic Submission #9759 Verified by the BLM Well Information System.  
 For RICHARDSON OPERATING COMPANY, sent to the Farmington

Name (please print) JOHN WHISLER Title OPERATIONS

Signature \_\_\_\_\_ (Electronic Submission) Date 12/12/2001

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.

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