

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 ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resv. ☐ Other _____

2. Name of Operator **Richardson Operating Company** 070 Farmington, NM

3. Address **3100 La Plata Highway, Farmington, NM 87401** 3a. Phone No. (include area code) **505-564-3100**

4. Location of Well (Report location clearly and in accordance with Federal requirements)
At surface **1950' FSL & 1585' FEL, Section 17 T28N-R8W**
At top prod. interval reported below
At total depth

5. Lease Serial No. **NMSF - 080101**
6. If Indian, Allottee or Tribe Name **NA**
7. Unit or CA Agreement Name and No. **NS**
8. Lease Name and Well No. **Federal 32-17 #3**
9. AFI Well No. **30-045-31979**
10. Field and Pool, or Exploratory **Basin Fruitland Coal**
11. Sec., T., R., M., on Block and Survey or Area
12. County or Parish **San Juan** 13. State **NM**
14. Date Spudded **02/25/2004** 15. Date T.D. Reached **03/06/2004** 16. Date Completed ☐ D & A ☒ Ready to Prod. **4-26**
17. Elevations (DF, RKB, RT, GL)* **5760' GL KB is 6'**

18. Total Depth: MD **2300'** 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)
Gamma Ray and Compensated Neutron Log

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ 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
8.75	7"	20#	surf.	261'		105 Class B	22bbls	surface	circ 8bbls
6.25	4.5"	11.6#	surf.	2299'		175 Class B	64bbls		
						100 Class B	21bbls	surface	circ 10bbls

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"	2125'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Fruitland Coal	1927'	2147'	1927'; 1958' 1sps	0.38	2	open
B)			2028' - 2031' 1sps	0.38	4	open
C)			2066' - 2068'; 2088' 1sps	0.38	4	open
D)			2130' - 2147' 1sps	0.38	18	open

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
1927' - 2147'	10bbls 2% KCl break down. Pump 500gals 15% HCl with 45 BS. Flush with 1500gals 2% KCl.
	Frac with: 49,401gals gelled fluid with 454,117 SCF N2 in stages with 163,834 lbs 20/40 Brady sand.

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
	04/28/2004	22	→	0	751	0			flowing

Choke Size 1/2" Tbg. Press. Flwg. SI Csg. Press. 120 24 Hr. Rate → Oil BBL 0 Gas MCF 820 Water BBL 0 Gas/Oil Ratio 0 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

ARMINGTON FIELD OFFICE

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

NMOCD

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
Basin Fruitland Coal	1927'	2147'			

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) To BeekstedTitle Compliance AdministratorSignature [Signature]Date 5/6/04

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.