

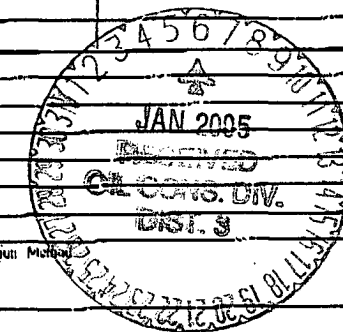
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

1a. Type of Well ☐ Oil Well ☐ Gas Well ☒ Dry ☐ Other		5. Lease Serial No. NMSF-078390							
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv. Other <u>Dry Hole</u>		6. If Indian, Allottee or Tribe Name NA							
2. Name of Operator <u>Richardson Operating Company</u>		7. Unit or CA Agreement Name and No. 9640							
3. Address <u>3100 La Plata Highway, Farmington, NM 87401</u>		8. Lease Name and Well No. Federal 32-13 #3							
3a. Phone No. (include area code) <u>505-564-3100</u>		9. AFI Well No. 30-045-31955							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface <u>1020' FNL & 1910' FWL Sec. 13 T28N-R8W</u> At top prod. interval reported below At total depth <u>Same as above</u>		10. Field and Pool, or Exploratory Basin Fruitland Coal							
14. Date Spudded <u>06/15/2004</u>		15. Date T.D. Reached <u>06/19/2004</u>							
16. Date Completed ☒ D & A ☐ Ready to Prod.		17. Elevations (DI*, RKB, RT, GL)* 6370' GL							
18. Total Depth: MD <u>3025'</u> TVD		19. Plug Back T.D.: MD <u>3000'</u> TVD							
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) None							
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	WL (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
8 3/4"	7" H-40	20#	-1' GL	302'		120sx Class B	26 bbl	Surface	Circ. 11 bbl
6 1/4"	4.5" J-55	10.5#	+1' GL	2999'		177sx Class B	65 bbl		Did not circ
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
NA									
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A)									
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
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
			→						
Choke Size	Tub. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						
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	Tub. 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)



ACCEPTED FOR RECORD

JAN 04 2005

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FARMINGTON FIELD OFFICE
BY sm

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	Thg. Press. Flowg. 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	Thg. Press. Flowg. 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
San Jose	0	557			
Nacimiento	557	1982			
Go Alamo	1982	2445			
Midland	2145	2655			
Fruitland	2655	2955			
PC	2955	3040			
Lewis	3040	3335			

32. Additional remarks (include plugging procedure):

Well was plugged and abandoned. Pressure test casing to 800psi for 30 min, held ok. Shoot sqz holes @ 2712'. TTH w/ cement retainer & thg. Set retainer @ 2696'. Pump 22sx cement below retainer and 10sx cement above retainer. Shoot sqz holes @ 2180'. TTH w/ retainer & thg. Set retainer @ 2138'. Pump 22sx cement below retainer and 10sx cement above retainer. Shoot sqz holes @ 620'. Pump down casing, circ. up bradenhead. Pump 137sx cement. Cement did not come to surface. TTH w/ thg to 470'. Reverse cement out of casing. Run CBL from 456' to surface. Top of cement @ 10'. TTH w/ thg to 410'. Fill casing w/ cement. Set temporary cap and mark per BLM.

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) Ryan Bruner

Title Engineering Geologist

Signature



Date 12/20/2004

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.

(Form 3160-4, page 2)