

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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. 14-20-203-2168
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. Resvr., Other _____		6. If Indian, Allottee or Tribe Name Navajo
2. Name of Operator Richardson Operating Company		7. Unit or CA Agreement Name and No. 30506
3. Address 3100 La Plata Highway, Farmington, NM 87401	3a. Phone No. (include area code) 505-564-3100	8. Lease Name and Well No. NV Navajo 34 #2
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1080' FNL, 1870' FWL, Sec. 34, T29N, R14W At top prod. interval reported below At total depth Same as above		9. AFI Well No. 30-045-31039
14. Date Spudded 06/28/2004	15. Date T.D. Reached 07/01/2004	10. Field and Pool, or Exploratory West Kutz Pictured Cliffs
16. Date Completed: 07/23/2004 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		11. Sec., T., R., M., on Block and Survey or Area Sec. 34, T29N, R14W
		12. County or Parish San Juan
		13. State NM
		17. Elevations (DF, RKB, RT, GL)* 5715' GL

18. Total Depth: MD 1220' 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. (EBL)	Cement Top*	Amount Pulled
8 3/4"	7" H-40	17#	-1' GL	126'		55 sx Class B	12 bbl	Surface	Circ. 5 bbl
6 1/4"	4.5" J-55	10.5#	+1' GL	1196'		84 sx Class B	31 bbl		
						80 sx Class B	17 bbl	Surface	Circ. 10 bbl

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"	1180'								

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. Holes	Perf. Status
A) West Kutz PC	1136'	TD		1136'-1146'	0.38"	40	Open
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval				Amount and Type of Material					
1136'-1146'				Spearhead with 500 gal 155 HCL					
				Frac with 24159 gal gelled fluid, with 46745# of 20/40 Brady Sand/ Super LC, all in five stages.					
				Flush with 605 gal Amgel 1020					

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	Thg. 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	Thg. 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

JUL 28 2004

FARMINGTON FIELD OFFICE  
BY

NMOC

**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	906' 1136'	1136' TD			

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) **Jo Becksted**

Title **Compliance Administrator**

Signature

*Jo Becksted*

Date **07/26/2004**

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.