

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. DMS-14-20-603-2172							
b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input checked="" 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. NW Cha Cha Unit							
3. Address 3100 La Plata Highway, Farmington, NM 87401		8. Lease Name and Well No. NW Cha Cha #74							
3a. Phone No. (include area code) 505-564-3100		9. AFI Well No. 30-045-07598							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 660' FSL, 1980' FEL, Sec. 36, T29N, R14W At top prod. interval reported below At total depth Same as above		10. Field and Pool, or Exploratory Pictured Cliffs							
14. Date Spudded 01/16/1961		15. Date T.D. Reached 01/29/1961							
16. Date Completed 09/21/2004		17. Elevations (DF, RKB, RT, GL)* 5967' KB							
18. Total Depth: MD 5656' TVD		19. Plug Back T.D.: MD 1694' TVD							
20. Depth Bridge Plug Set: MD 1804' TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Cased Hole CNL							
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 checked="" type="checkbox"/> No <input 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	7-5/8"	H40 24#	Surface	205'		150sx Class B	30 bbls	Surface	Unknown
6-1/4"	4.5" J-55	9.5#	Surface	5654'		175sx Class B	36 bbls	4262'	Unknown
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"	1500'								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Pictured Cliffs	1508'	1670'	1508-1516'	0.34"	32 holes	Open			
B)									
C)									
D)									
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
1508-1516'		Pump 500 gals 15% HCL, pump 5670 gals aquasafe X20 as pad, pump 4961 gals, 1#/gal, pump 4049 gals, 2#/gal pump 2984 gals, 3#/gal, pump 1306 gals @ 4#/gal, pump 2522 gals, 4#/gal with activator, pump 462 gals as flush							
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)

FARMINGTON FIELD OFFICE
BY *sm*
NMOC

ACCEPTED FOR RECORD

SEP 24 2004

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
Ojo Alamo Fruitland Coal Pictured Cliffs	Surf 1248' 1508'	1508' 1670'			

32. Additional remarks (include plugging procedure):

SENT TO FARMINGTON OFFICE FOR SUBMITTAL ON THIS DATE

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) Tom BerginTitle Operations ManagerSignature Date 06/23/2004

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.