

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.  
NMSF-14-20-603-2172

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA/Agreement, Name and/or No.

NW Cha Cha Unit

8. Well Name and No.

NW Cha Cha #46 WIW

9. API Well No.

30-045-07877

10. Field and Pool, or Exploratory Area

Cha Cha Gallup

11. County or Parish, State

San Juan County, New Mexico

## SUBMIT IN TRIPLICATE- Other instructions on reverse side

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

070 FARMINGTON NM

2. Name of Operator Richardson Operating Company

3a. Address  
3100 LaPlata Highway, Farmington, NM 874013b. Phone No. (include area code)  
505-564-3100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 26, T29N-R14W, 1980' FNL 660' FWL

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please see Plug &amp; Abandon procedure attached.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Tom Bergin

Title Operations Manager

Signature

Date

08/25/2004

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

AUG 31 2004

Office

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.

(Instructions on page 2)

NMOC

## **PLUG AND ABANDONMENT PROCEDURE**

Richardson Operating Company  
NW Cha Cha #46  
NW Sec 26, T29N-R14W  
San Juan County, New Mexico

1. Install and/or test rig anchors. Prepare blow tank. Comply with all NMOCD and Richardson Operating Company safety rules and regulations.
2. MOL and RUSU. Check tubing, casing and braden head for pressures. Blow well down, kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. TIH with tbg to 4092'. Mix 38 sx Class "B", 15.6#. Spot cement plug 4092' to 3592'. WOC. Tag plug. TOOH.
4. **PLUG #1 (Mesaverde 2924' – 2824')**. Shoot squeeze hole 2924'. Set retainer @ 2885'. TIH w/tbg. Sting into retainer, est rate. Pump 20 sx neat. Sting out, leave 9 sx on top of retainer. WOC. Tag cmt.
5. **PLUG #2 (Chacra 2300' - 2200')**. Shoot squeeze hole 2300'. Set retainer @ 2225'. TIH, est rate. Pump 21 sx neat. Sting out. Leave 9 sx on top of retainer. WOC. Tag plug.
6. **PLUG #3 (Pictured Cliffs 1356' – 1256' and Fruitland Coal 1017' – 917')**. Shoot squeeze hole @ 1356'. Set retainer @ 1311'. TIH. Est rate. Pump 51 sx neat. Sting out, leave 37 sx on top of retainer. TOOH, WOC. Tag plug. Press test to 500 psi.
7. Squeeze hole @ 269', retainer @ 259'. Pump 54 sx neat, sting out, leave 34 sx on top of retainer.
8. ND BOP and cut off wellhead below surface casing flange and install P&A marker with cement to NMOCD specifications. RD and MOL. Cut off anchors.
9. Restore location per NMOCD rules, guidelines and stipulations. For production pit or below-grade tank closures a form C-144 must be filed and approved by NMOCD.
10. Arrange for NMOCD inspection of well and restored location.
11. File C-103 (Subsequent report of Plug & Abandonment) within 30 days after completing required restoration works as provided in NMOCD Rule 1103.