

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.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

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

2. Name of Operator Richardson Operating Company

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

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

480' FSL & 1980' FEL Sec. 22 T29N - R14W

5. Lease Serial No.

NMSF-14-20-603-2199

6. If Indian, Allottee or Tribe Name

Navajo

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

NW Cha Cha Unit

8. Well Name and No.

NW Cha Cha Unit #30

9. API Well No.

30-045-13104

10. Field and Pool, or Exploratory Area

Cha Cha Gallup

11. County or Parish, State

San Juan County, New Mexico

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

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☒ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

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.)

NW Cha Cha Unit #30 was P&A'd according to the following procedure.

9/21/2004 Start blowing down well.

9/22/2004 Lay down old tbg. Pickup workstring. TIH to 5280. Tagged. TOH.

9/23/2004 Wireline set CIBP @ 5186'. TIH w/ tbg to 5184'. Roll hole w/ fresh water. Spot 28sx Class B neat. Cement plug 5184'-4826'.

TOH with 6 stands. Rev circ clean. WOC.

9/24/2004 Tag cement @ 4826'. TOH. Shoot squeeze holes @ 2884'. Set retainer @ 2834'. TIH w/ tbg. Sting into retainer. Est rate. Backside flowing. Pump 14sx Class B neat below retainer. Pump 14sx Class B neat above retainer. TOH. WOC. Pressure test to 500psi, OK.

9/27/2004 Wireline tag plug @ 2281'. Shoot squeeze holes @ 2185'. TIH w/ tbg. Set retainer @ 2134'. Sting into retainer. Could not get rate.

Spot 12sx Class B neat above retainer. TOH. WOC. Pressure test to 500psi, OK. Tag cement @ 2050'. TOH. Perf @ 1226'. TIH w/ tbg. Set

retainer @ 1181'. Sting into retainer. Could not establish rate. Spot 12sx Class B neat above retainer. TOH. WOC. Pressure test to 500psi, OK.

Perf @ 890'. TIH w/ tbg. Set retainer @ 835'. Est rate. Pump 43sx Class B neat below retainer. Pump 12sx Class B neat above retainer. TOH.

WOC. Pressure test to 500psi, OK. Perf @ 252'. Est rate. Circ up bradenhead. Pump 100sx Class B neat down csg & up bradenhead. Full

returns.

9/28/2004 Cut off wellhead. Install dry hole marker. Rig down. Clean up location. Move off location.

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

Charles H. Williams

Title Engineering Operations Manager

Signature

Charles H. Williams

Date

09/30/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

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 agency or officer of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ACCEPTED FOR RECORD

(Instructions on page 2)

OCT 08 2004

NMOCD

FARMINGTON FIELD OFFICE
BY *Sm*

RICHARDSON OPERATING COMPANY
3100 LAPLATA HIGHWAY
FARMINGTON, NM 87401

P&A'd WELLBORE DIAGRAM

Well Name:	NW Cha Cha Unit #30
Location (FL):	480' FSL & 1980' FEL
(Sec., T, R, NMPM):	Sec. 22, T29N, R14W, NMPM
County:	San Juan
Field:	Cha Cha Gallup
API #	30-045-13104
Elevation (GR, KB):	5697' DR

