

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill, or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE**1. Type of Well**☒

Oil Well

☐

Gas Well

☐

Other

2. Name of Operator

Richardson Operating Company

3. Address and Telephone No.

1700 Lincoln, Suite 1700, Denver, Colorado 80203 (303) 830-8000

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

660' FSL and 1980' FEL (SW/4SE/4)

Sec. 35-T29N-R14W

5. Lease Designation and Serial No.

14-20-603-2172

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation**8. Well Name and No.**

NW Cha Cha #76

9. API Well No.

30-045-07596

10. Field and Pool, or Exploratory Area

Cha Cha Gallup

11. County or Parish, State

San Juan County, NM

12. CHECK APPROPRIATE BOX(s) 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"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Surface Casing/Cementing	<input type="checkbox"/> Dispose Water
	<input checked="" type="checkbox"/> Other: CONTINUED SHUT-IN STATUS	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form).

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.

If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)*

Well had casing integrity test run 1-21-98. Passed test.**Request to leave in shut-in status until issuance of pipeline right-of-way.****Once right-of-way obtained, will plug back Gallup formation and attempt recompletion in Pictured Cliffs formation per attached procedure.****14. I hereby certify that the foregoing is true and correct.**Signed: Cathleen Colby

Title: Land Manager

Date: July 6, 2000

(This space for Federal or State office use)

Approved by: _____

Title: _____

Date: 8/3/00

Conditions of approval, if any: _____

Title 18 U.S.C. Section 1001, makes 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.

WORKOVER/COMPLETION PROCEDURE

Richardson Operating Company
3100 La Plata Highway
Farmington, NM 87401
(505) 564-3100 Phone
(505) 564-3109 Fax

Prepared by	B. Gager
Date	June 29, 2000
Well Name	NW Cha Cha #76
Location	T29N, R14W Sec 35 SWSE (Unit O) 660' FSL and 1980' FEL
County	San Juan
Field	Cha Cha Gallup
Pool	Cha Cha Gallup
API#	30-045-07596
Lease No.	Navajo 14-20-603-2172
Elev GL	5871'
Elev KB	5882'
KB	11'

OBJECTIVE Plug and Abandon Gallup and attempt recompletion in Pictured Cliffs formation

PROCEDURE

1. MIRU ROPCO Rig #1. NU 2 3/8" relief line. Hold safety meeting. ND tubinghead. NU BOP. MIRU two 400 bbl frac tanks with fresh clean city water. **DO NOT CONTAMINATE WITH PRODUCTION WATER. PRODUCTION WATER WILL RETARD CEMENT.**
2. Unseat packer. TOO H with tubing. Lay down packer and TIH with Seat nipple and check valve on end of tubing. Land tubing and shut pipe rams.
3. Land tubing @ about 5450'. Mix and pump 43 sacks Class B cement. Should be enough for 250' plug and 100% excess. Flush tubing with 22 bbls H2O. TOO H with tubing. SDON.
4. Test to 2000# for 30 mins. If doesn't hold, find hole and squeeze. If holds, tag top of cement. If plug is in place, TIH with tubing to 4390'. Set 200' balanced plug from 100' below to 100' above Mancos formation. Pull out of hole to 100' below Lewis formation @ 1788'. Set 200' plug from 100' below to 100' above Lewis Shale. SDON.

5. If plug is in place, perforate four 0.41" squeeze holes on 120 degree phasing at about 1520'.
6. Pump down 4 ½" casing and establish circulation on back side.
7. Release wireline truck.
8. Pump scavenger cement ahead with red dye and additional cement (Class B, 1% CaCl₂, 1/4 #/sack celloflake, .25 #/sack Gilsonite to yield 1.66 ft³/sack, 13.6 #/gallon) 20% excess.
9. Flush with 12.35 bbls fresh H₂O.
10. Shut down overnight.
11. RU Schlumberger. Run CBL GR from PBTD to surface. Run Compensated Neutron log PBTD to surface. If cement not to surface, then 1" cement down 8 5/8" and 4 ½" annulus 50' to surface.

If cement is at surface, then perforate Pictured Cliffs formation 1285' to 1300' with 4 spf 0.41" holes 120 degrees phasing.
12. Install 5000# 4 ½" frac valve.
13. RU frac equipment and pressure test surface lines to 5000 psi.
14. Fracture treat with 20# linear gel and 40,00# 20/40 sand as per service company design. Bullhead 500 gallons 7 ½" HCL ahead. Observe fracture closure after treatment.
15. Shut-in for 24 hrs.
16. TIH with 2 3/8" tubing with notched collar on end of tubing, one joint, 4' perforated sub, seat nipple and land end of tubing 30' above PBTD.
17. Swab well until flow rate is established or run rods and pump if needed.
18. Obtain water samples of gel analysis when 80% of load recovered.