

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)

1010' FSL & 920' FWL  
Sec. 29-T30N-R14W

5. Lease Designation and Serial No.  
NM-97843

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
WF Federal 29-3

9. API Well No.  
30-045-30347

10. Field and Pool, or Exploratory Area  
Twin Mounds Pictured Cliffs/Basin FC

11. County or Parish, State  
San Juan County, NM

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"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Surface Casing/Cementing
	<input checked="" type="checkbox"/> Other: see below
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(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.)\*

Pursuant to New Mexico Oil Conservation Division Order R-11224, Richardson Operating Company seeks permission to downhole commingle the Basin Fruitland Coal (71629) and Twin Mounds Pictured Cliffs (86620) pools. The Basin Fruitland Coal formation is estimated to be perforated at 936'-947' and the Twin Mounds PC formation is estimated to be perforated at 951'-960'. Refer to the attached Technical Write-up for the allocation method and supporting data.

The downhole commingling will not reduce the value of the total remaining production of this well.

The ownership between the two pools is identical.

Richardson Operating Company has sent a like Sundry Notice to the OCD (Form C-103) setting out our intention to downhole commingle this well.

D/H/C 306A2 2/28/1

14. I hereby certify that the foregoing is true and correct

Signed: Cathleen Colley

Title: Land Manager

Date: February 18, 2001

(This space for Federal or State office use)

Approved by: /s/ Jim Levato

Title:

Date: JUL 15

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.

**Richardson Operating Company**  
**WF Federal 29-3**  
**Commingling Application**

The WF Federal 29-3 is a newly drilled Basin Fruitland Coal/Twin Mounds Pictured Cliffs well. This is part of Richardson's development program in their WF (West Farmington) field. This is the second Pictured Cliffs and Fruitland Coal well in this section. The first such well in the section is Richardson's WF Federal 29-1 (Unit B, Sec. 29, T30N, R14W), which was approved for downhole commingling of the Fruitland Coal and Pictured Cliffs formations in Administrative Order DHC-2436. Richardson also has two Pictured Cliffs wells in this Section. The WF Federal 29-2 (Unit P, Sec. 29, T30N, R14W) first delivered April 5, 2000. The WF Federal 29-4 (Unit D, Sec. 29, T30N, R14W) has been drilled, but is not yet producing.

Based on recent Richardson Operating wells in this township, it is anticipated that both zones will have similar bottom hole pressures of approximately 200 psi. Both zones produce some water and no liquid hydrocarbons. Neither zone is fluid sensitive and fluids from the two zones are compatible.

Since neither zone has enough data to prepare a reliable production forecast, or predict the ultimate reserves, Richardson Operating proposes to allocate the production based on the initial production rates from the Pictured Cliffs. The well will be perforated and stimulated in the Pictured Cliffs formation. The stimulation will then be cleaned up and the well flow tested. The production based on the flow test will establish the Pictured Cliffs base rate. The Fruitland Coal formation will be completed separately but it will be produced with the Pictured Cliffs. The Fruitland Coal production will be the total measured production minus the Pictured Cliffs production.

Assuming a 7% decline rate from the Pictured Cliffs, the proposed allocation formula is as follows:

**Pictured Cliffs Production** = Pictured Cliffs base rate  $\times e^{(-Dt)}$ , where  $D = 7\%/yr$  and  $t$  = time in years since first production.

**Fruitland Coal Production** = Total Production – Pictured Cliffs production.