

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)

1830' FSL & 1060' FWL

Sec. 4-T29N-R14W

5. Lease Designation and Serial No.

SF-079968

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

ROPCO 4-3

9. API Well No.

30-045-30394

10. Field and Pool, or Exploratory Area

Twin Mounds FR Sand-PC/Basin FC

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

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☐

Surface Casing/Cementing

☒

Other: see below

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recombination 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 Fruitland Sand - Pictured Cliffs (86620) pools.

The Basin Fruitland Coal formation is estimated to be perforated at 756'-784' and the Twin Mounds Fruitland Sand - Pictured Cliffs formation is estimated to be perforated at 790'-800'.

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.

DHC 414 AZ, 5-25-1

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

Signed:

Cathleen Colby

Title: Land Manager

Date: May 23, 2001

(This space for Federal or State office use)

Approved by:

Joe Bennett

Title:

Geologist

Date:

7-13-01

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.

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**RICHARDSON OPERATING COMPANY
ROPCO #4-3
COMMINGLING APPLICATION**

The ROPCO 4-3 is a newly drilled Basin Fruitland Coal/Twin Mounds Fruitland Sand - Pictured Cliffs well. This is part of Richardson's development program in their WF (West Farmington) field. This is the only Pictured Cliffs and Fruitland Coal well in this section.

Two Pictured Cliffs wells have been drilled in Section 4, but neither have production history. The ROPCO 4-1 well (Unit A, Section 4, T29N-R14W) has been completed in the Pictured Cliffs and is currently shut-in, waiting on pumping unit. The ROPCO 4-4 well (Unit C, Section 4, T29N, R14W) has been completed in the Pictured Cliffs and is currently shut-in, waiting on pipeline.

Based upon recent Richardson Operating Company 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 formation. 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.

☐ AMENDED REPORT

APA Number		Pool Code	Pool Name
		71629 & 86620	FRUIT. COAL & TWIN MOUNDS PC
Property Code	Property Name		Well Number
	ROPCO		4 - 3
OGRD No.	Operator Name		Elevation
019219	RICHARDSON OPERATING COMPANY		5435'

Surface Location									
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from >	North/South	Feet from >	East/West	County
L	4	29 N.	14 W.		1830	SOUTH	1060	WEST	SAN JUAN

Bottom Hole Location If Different From Surface									
UL or Lot	Sec	Twp.	Rge.	Lot Ldn	Feet from >	North/South	Feet from >	East/West	County

Dedication	Joint ?	Consolidation	Order No.
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A geological map of the Fruit Cliff area. The map is divided into a grid of 4x4 squares. A fault line, labeled 'Fruit. Cliff', runs diagonally from the top left to the bottom right. The area to the left of the fault is shaded with diagonal lines. A horizontal line labeled 'Coal' runs across the middle of the map. A point labeled 'Pic. Cliff' is marked with a circle and a cross. A horizontal line segment from the 'Pic. Cliff' point to the left edge is labeled '1060\''. A vertical line segment from the 'Pic. Cliff' point to the bottom edge is labeled '1830\''. The number '4' is written near the intersection of the fault and the horizontal line. The text 'C/C' is written vertically on the left edge.

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature _____

Printed Name **BRIAN WOOD**

Title CONSULTANT

Date OCT. 8, 2000

I hereby certify that the well location on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

