

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)

1520' FNL & 1420' FEL

Sec. 5-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 5-4

9. API Well No.

30-045-30415

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	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 Fruitland Sand-Pictured Cliffs (86620) pools. The Basin Fruitland Coal formation is estimated to be perforated at 702'-708', 755'-765' and 786'-798'. The Twin Mounds Fruitland Sand-Pictured Cliffs formation is estimated to be perforated at 802'-812'. 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.

04C413A2 5-25-01

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

Signed: Cathleen Colley

Title: Land Manager

Date: May 21, 2001

(This space for Federal or State office use)

Approved by: /s/ Jim Lovato

Title: _____

Date: JUL 13 2001

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
ROPCO #5-4
COMMINGLING APPLICATION

The ROPCO 5-4 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 second Pictured Cliffs and Fruitland Coal well in this section. The WF Federal 5-2 well (Unit K, Section 5, T29N, R14W) was approved for downhole commingling under Administrative Order DHC - 2696, and first delivered March 31, 2000.

Additionally, two Pictured Cliffs wells have been drilled in Section 5. The WF Federal 5-3 well (Unit O, Section 5, T29N-R14W) has been completed in the Pictured Cliffs and first delivered October 1, 2000. The WF Federal 5-1 well (Unit E, Section 5, T29N, R14W) has been completed in the Pictured Cliffs and is currently shut-in, waiting on pumping unit.

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.

State of New Mexico
Energy, Minerals & Mining Resources Department

Form C - 102

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

2000 NOV -2 AM 9:33 ☐ AMENDED REPORT

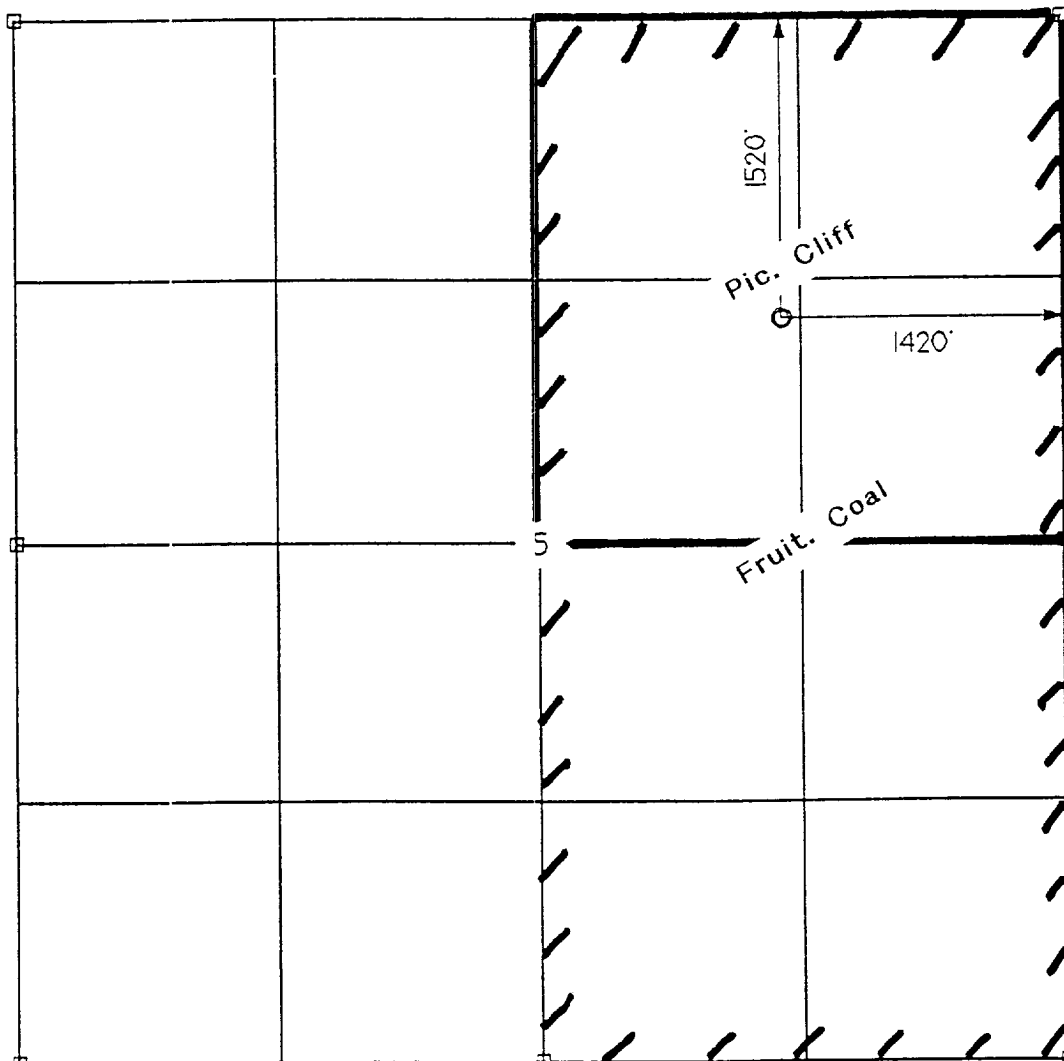
APA Number	Pool Code 71629 & 86620	Pool Name FRUIT. COAL & TWIN MOUNDS PC
Property Code	Property Name ROPCO	Well Number 5 - 4
GRID No. 019219	Operator Name .RICHARDSON OPERATING COMPANY	Elevation 5365'

Surface Location									
UL or Lot G	Sec. 5	Twp. 29 N.	Rge. 14 W.	Lot Idn.	Feet from 1520	North/South NORTH	Feet from 1420	East/West EAST	County SAN JUAN

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

Dedication	Joint ?	Consolidation	Order No.
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NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DMSION



OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <i>Brian Wood</i> Printed Name BRIAN WOOD Title CONSULTANT Date OCT. 28, 2000	
SURVEYOR CERTIFICATION 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 REV: SEPTEMBER 2000 Signature and Seal of Professional Surveyor 	