

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
Revised March 25, 1999

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-30322
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Richardson Operating Company		6. State Oil & Gas Lease No.
3. Address of Operator 3100 La Plata Highway Farmington, NM 87401		7. Lease Name or Unit Agreement Name: Ropco 9
4. Well Location  Unit Letter <u>K</u> : <u>1404</u> feet from the <u>South</u> line and <u>1508</u> feet from the <u>West</u> line  Section <u>9</u> Township <u>29N</u> Range <u>14W</u> NMPM San Juan County		7. Well No. #3
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 5300' GR		9. Pool name or Wildcat Basin FC/Pictured Cliffs

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐  
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: DHC Reallocation ☒

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Richardson Operating Company proposes altering the allocation between the Basin Fruitland Coal and Pictured Cliffs formations as 51% Pictured Cliffs and 49% Basin Fruitland Coal. Please see the attached write-up for methodology.

DHC 439AZ



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

SIGNATURE [Signature] TITLE Operations Manager DATE 2-28-03

Type or print name Drew Carnes Telephone No. 505-564-3100

(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. III DATE FEB 28 2003  
Conditions of approval, if any:

## Richardson Operating Company

### Downhole Commingling Allocation Methodology

This document describes the methodology used in determining the allocation between the proposed pools to be commingled in the Ropco 9 #3 well. Production data was obtained from the OnGard system when possible. The Ropco 4 #3 data was obtained using current production for Richardson Operating Company files. For consistency the average production from the wells was calculated by using a minimum of 6 months of initial production in the well. This average should represent the initial potential of the well. Data was gathered for the Section 4 T29N, R14W and the eight adjacent sections. Analysis was performed in October, 2002.

The data from four sections did not provide a reliable correlation to determine the allocation: Section 34, T29N R14W, Section 5, Section 8, and Section 9 T29N R14W.

#### Section 32 T30N R14W:

Fruitland Coal:	Dugan Bi Knobs Com 90	23 Mcf/day
	Dugan Bi Knobs 91	75 Mcf/day
Pictured Cliffs:	Dugan Bi Knobs 1	52 Mcf/day
	Dugan Bi Knobs 2R	104 Mcf/day
	Richardson WF State 32-1	42 Mcf/day

FC avg. = 49

PC avg. = 66

**Section 32 allocation = 43% FC, 57% PC**

#### Section 33 T30N R14W:

Fruitland Coal:	Richardson WF Federal 33-1	203 Mcf/day
Pictured Cliffs:	Dugan Cline #1R	75 Mcf/day
	Richardson WF Federal 33 #3	555 Mcf/day

FC avg. = 203

PC avg. = 315

**Section 33 allocation = 39% FC, 61% PC**

#### Section 4 T29N R14W:

Commingled FC/PC:	Richardson Ropco 4 #3	425 Mcf/day
Pictured Cliffs:	Richardson Ropco 4 #2	231 Mcf/day
	Richardson Ropco 4 #4	129 Mcf/day

Comm. avg. = 425

PC avg. = 180

**Section 4 allocation = 57% FC, 43% PC**

**Section 3 T29N R14W:**

Fruitland Coal:	Dugan Federal 1 #99	187Mcf/day
	Richardson WF Federal 3 #2	160 Mcf/day

Pictured Cliffs:	Dugan Federal 1 #7	266 Mcf/day
	Richardson WF Federal 3 #1	128 Mcf/day

FC avg. = 174

PC avg. = 160

**Section 3 allocation = 47% FC, 53% PC**

**Section 10 T29N R14W:**

Fruitland Coal:	Dugan Federal 1 #98	165 Mcf/day
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Pictured Cliffs:	Richardson Ropco 10 #2	115 Mcf/day
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FC avg. = 165

PC avg. = 115

**Section 10 allocation = 59% FC, 41% PC**

**Summary:**

**Section 32 allocation = 43% FC, 57% PC**

**Section 33 allocation = 39% FC, 61% PC**

**Section 4 allocation = 57% FC, 43% PC**

**Section 3 allocation = 47% FC, 53% PC**

**Section 10 allocation = 59% FC, 41% PC**

**AVERAGE = 49% FC, 51% PC**

**The proposed allocation for the Ropco 9 #3 will be 49% Fruitland Coal and 51% Pictured Cliffs.**