



OIL CONSERVATION DIVISION  
RECEIVED

**RICHARDSON OPERATING COMPANY**

50 JUN 18 AM 8 47

309 West First Avenue P.O. Box 9808  
Denver, Colorado 80209 (303) 698-9000  
FAX (303) 777-0607

June 15, 1993

State of New Mexico  
Oil Conservation Commission  
P.O. Box 2088  
Santa Fe, NM 87504

Attn: Michael E. Stogner, Engineer

Gentlemen:

In December, 1992, Richardson Operating Company submitted a permit to drill a Fruitland Coalbed Methane well 2015' FSL, 1765 FWL in Section 5, T29N, R12W, San Juan County, NM. Approval for that permit was received December 9, 1992, a copy of which is enclosed. What we did not notice at the time was that the approval was subject to "CA for 104 + NSL." We, subsequently to our drilling were advised that NSL was for a "non-standard location, and that our location was unlawful, and that additional approvals would be necessary.

Richardson Operating Company acquired this location from another company who was, as I understand, unable to drill the well in sufficient time to avoid losing the credits prior to the end of 1992. We acquired the survey they had commissioned, reimbursed them for surface damages negotiated for the location selected, and drilled the well, quite frankly, missing the fact that the well was outside the Fruitland window by some 50 or 60 yards. In talking to the surveyor, he, for some unknown reason, was instructed to stake the well as a stand-up location, with the W/2 of Section 5 as the pool, which would have been a legal location.

Within Section 5, we have drilled the other Fruitland location in the NE/4. In hindsight, if we had oriented both units as stand-ups, instead of lay-downs, we would have two legal locations, as currently drilled.

Our location is contiguous or cornering the following Fruitland tracts, either developed or available for development, all in T29N, R12W:

State of New Mexico  
Oil Conservation Division  
June 15, 1993  
Page 2

LOCATION:	OPERATOR
Section 5: N/2	Richardson Operating Company
Section 6: N/2	Richardson Operating Company
Section 6: S/2	Maralex Resources, Inc.
Section 7: E/2	Maralex Resources, Inc.
Section 8: W/2	Meridian Oil Company
Section 8: E/2	Meridian Oil Company
Section 9: W/2	Richardson Operating Company
Section 4: W/2	Riggs Oil and Gas Co.

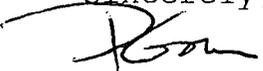
I've enclosed copies of letters from Meridian, Maralex and Riggs, in which they consent to our non-standard location.

I've also enclosed a map giving the same information.

We therefore request an administrative approval to our location as described above.

If you have any questions, please feel free to call.

Sincerely,



Peter A. Gowan  
Land Manager

Submit to Appropriate District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

AGENCY ID  
DEC-7-1992  
OIL CON. DIV.  
DIST. 3

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

**OIL CONSERVATION DIVISION**  
P.O. Box 1980, Hobbs, NM 88240 P.O. Box 2088  
Santa Fe, New Mexico 87504-2088  
DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210  
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)  
2-045-28866

5. Indicate Type of Lease  
STATE  FEE

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					
1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			7. Lease Name or Unit Agreement Name		
b. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			ROPCO Fee FC 5		
2. Name of Operator Richardson Operating Co.			8. Well No. #1 #2		
3. Address of Operator P. O. Box 9808 Denver, CO 80209			9. Pool name or Wildcat Basin Fruitland Coal		
4. Well Location Unit Letter <u>K</u> : <u>2015'</u> Feet From The <u>South</u> Line and <u>1755'</u> Feet From The <u>West</u> Line Section <u>5</u> Township <u>29N</u> Range <u>12W</u> NMPM <u>San Juan</u> County					
10. Proposed Depth 1852'		11. Formation Fruitland Coal		12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) 5682' GR		14. Kind & Status Plug. Bond Pending		15. Drilling Contractor Unknown	
16. Approx. Date Work will start As soon as permitted					
17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
8 3/4"	7"	23#	120'	60 sx	Surface
6 1/4"	4 1/2"	10.5#	1852'	210 sx	Surface

Richardson Operating Co. proposes to drill a well to 1852' to test the Basin Fruitland Coal formation. If productive, casing will be run and the well will be completed. If dry, the well will plugged and abandoned according to NMOCD requirements.

APPROVAL EXPIRES 6-9-93  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE Bruce E. Delventhal TITLE Agent DATE 12/04/92

TYPE OR PRINT NAME Bruce E. Delventhal TELEPHONE NO. 326-4125

(This space for State Use)

APPROVED BY Eric Bush DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE DEC 09 1992

CONDITIONS OF APPROVAL, IF ANY:

C-104 For CAP + NSE

Submit to Appropriate District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-102  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I  
 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
 P.O. Drawer DD, Artesia, NM 88210

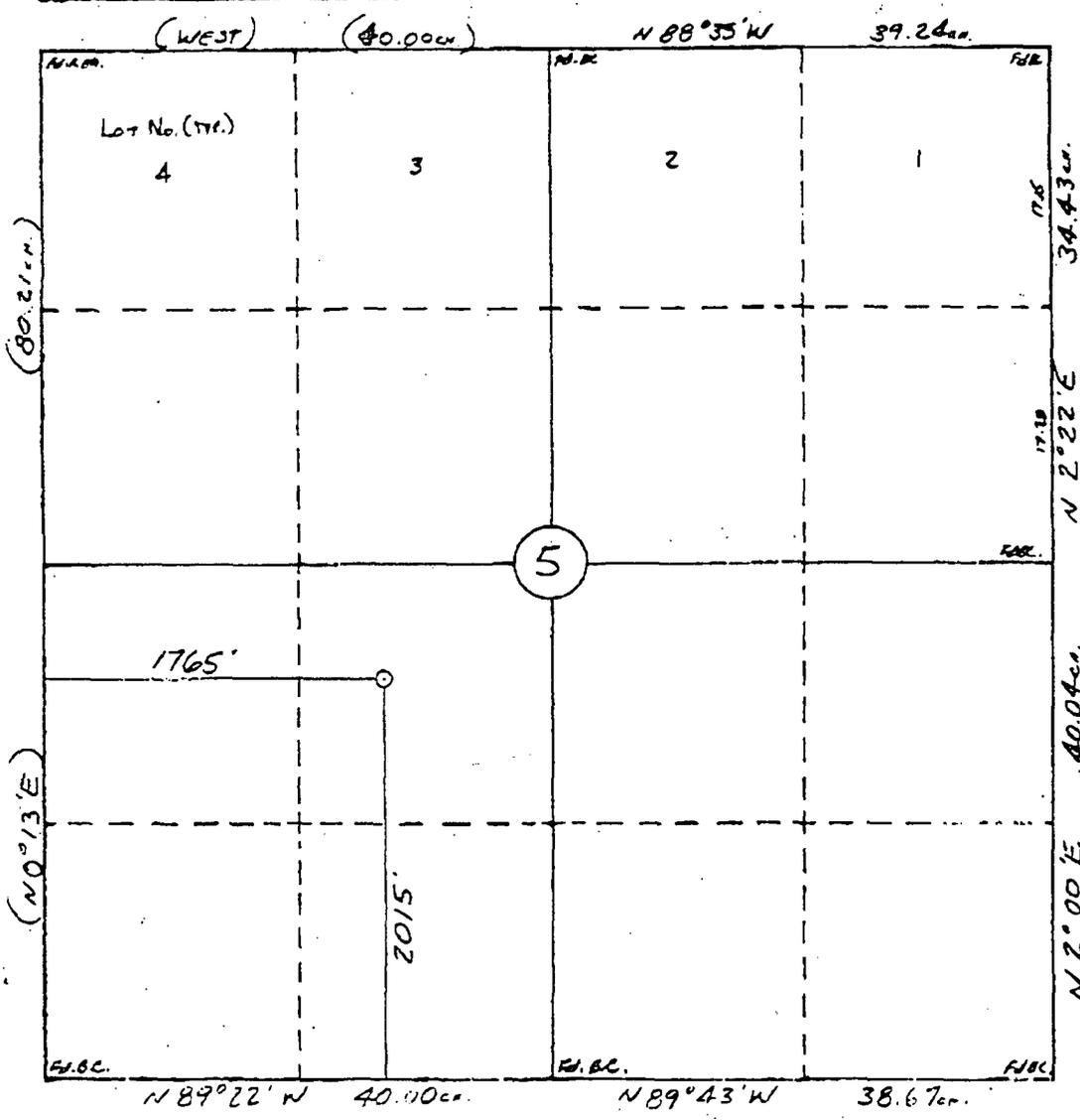
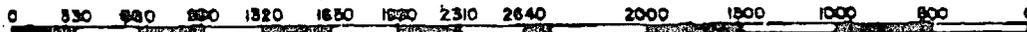
DISTRICT III  
 1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

Operator <b>MARALEX RESOURCES INC.</b>			Lease		Well No.
Unit Letter <b>K</b>	Section <b>5</b>	Township <b>29 N</b>	Range <b>12 W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>2015</b> feet from the <b>South</b> line and <b>1765</b> feet from the <b>West</b> line					
Ground level Elev. <b>5682</b>	Producing Formation		Pool	Dedicated Acreage: <b>Acres</b>	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
  - Yes  No If answer is "yes" type of consolidation
 If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)  
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



**OPERATOR CERTIFICATION**

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

Signature \_\_\_\_\_  
 Printed Name \_\_\_\_\_  
 Position \_\_\_\_\_  
 Company \_\_\_\_\_  
 Date \_\_\_\_\_

**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown 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 knowledge and belief.

Date Surveyed **11-20-92**  
 Signature **WILLIAM E. MAHANKA II**  
 Professional Surveyor  
 State of New Mexico  
 #8466  
 Certified Professional Surveyor





**RICHARDSON OPERATING COMPANY**

309 West First Avenue P.O. Box 9808  
Denver, Colorado 80209 (303) 698-9000  
FAX (303) 777-0607

April 30, 1993

Meridian Oil, Inc.  
P.O. Box 4289  
Farmington, NM 87401

Attn: Kent Beers

Gentlemen:

Pursuant to State of New Mexico Energy Oil Conservation Division Rule 7 of Order No. R-8768, wells drilled to the Fruitland Coal formation shall be located no closer than 790 feet to the outer boundary of a drilling proration unit.

Because of surface conditions, Richardson Operating Company has drilled and completed a Fruitland Coalbed Methane Well in violation of Rule 7, and is retroactively seeking an exception to said Rule with the OCD. Said well is designated the ROPCO FEE FC 5-2 and is located 1765 FWL, 2015 FSL, of Section 5, Township 29 North, Range 12 West, San Juan County, NM. Said well was drilled at the end of 1992 and has not yet produced.

Your company has drilled the following wells in T29N, R12W, San Juan County, NM, on spacing units which are contiguous to our spacing unit:

<u>WELL NAME</u>	<u>SPACING UNIT</u>	<u>LOCATION</u>
Shiotani #400 -	W/2 Section 8 -	1630 FSL, 870 FWL (NWSW)
Shiotani #500 -	E/2 Section 8 -	1700 FNL, 1055 FEL (SENE)

Our well was drilled on the 320 acre spacing unit consisting of the S/2 of Section 5, T29N, R12W. Our well is approximately 165 feet north of the allowable window, accordingly, that much further from your wells as well. As offsetting owners we hereby request that you consent to our non-standard location.

I've enclosed a copy of the survey plat for our well.

Please execute below to signify your consent to our non-standard location. If you have any questions, please feel free to call.

Sincerely,

  
Peter A. Gowan  
Land Manager

Accepted and agreed this 11 day of May, 1993.

MERIDIAN OIL, INC.





## RICHARDSON OPERATING COMPANY

April 30, 1993

309 West First Avenue P.O. Box 9808  
Denver, Colorado 80209 (303) 698-9000  
FAX (303) 777-0607

Maralex Resources, Inc.  
410 17th St., Suite 220  
Denver, CO 80202

Attn: Jennifer Ritcher

Dear Jennie:

Pursuant to State of New Mexico Energy Oil Conservation Division Rule 7 of Order No. R-8768, wells drilled to the Fruitland Coal formation shall be located no closer than 790 feet to the outer boundary of a drilling proration unit.

Because of surface conditions, Richardson Operating Company has drilled and completed a Fruitland Coalbed Methane Well in violation of Rule 7, and is retroactively seeking an exception to said Rule with the OCD. Said well is designated the ROPCO FEE FC 5-2 and is located 1765 FWL, 2015 FSL, of Section 5, Township 29 North, Range 12 West, San Juan County, NM. Said well was drilled at the end of 1992 and has not yet produced.

Your company has drilled the following wells in T29N, R12W, San Juan County, NM, on spacing units which are contiguous to our spacing unit:

<u>WELL NAME</u>	<u>SPACING UNIT</u>	<u>LOCATION</u>
Shiotani #2	S/2 Section 6	1585 FSL, 1680 FWL, NESW
Shiotani #3	E/2 Section 7	2025 FNL, 955 FEL, SENE

Our well was drilled on the 320 acre spacing unit consisting of the S/2 of Section 5, T29N, R12W. Our well is approximately 165 feet north of the allowable window, accordingly, that much further from your wells as well. As offsetting owners we hereby request that you consent to our non-standard location.

I've enclosed a copy of our survey plat for our well.

Please execute below to signify your consent to our non-standard location. If you have any questions, please feel free to call.

Sincerely,

Peter A. Gowan  
Land Manager

Accepted and agreed this 4th day of May, 1993.

Maralex Resources, Inc.

Land Manager



## RICHARDSON OPERATING COMPANY

309 West First Avenue P.O. Box 9808  
Denver, Colorado 80209 (303) 698-9000  
FAX (303) 777-0607

April 30, 1993

Riggs Oil and Gas Corporation  
P.O. Box 711  
Farmington, NM 87499

Attn: Elliot A. Riggs

Dear Mr. Riggs:

Pursuant to State of New Mexico Energy Oil Conservation Division Rule 7 of Order No. R-8768, wells drilled to the Fruitland Coal formation shall be located no closer than 790 feet to the outer boundary of a drilling proration unit.

Because of surface conditions, Richardson Operating Company has drilled and completed a Fruitland Coalbed Methane Well in violation of Rule 7, and is retroactively seeking an exception to said Rule with the OCD. Said well is designated the ROPCO FEE FC 5-2 and is located 1765 FWL, 2015 FSL, of Section 5, Township 29 North, Range 12 West, San Juan County, NM. Said well was drilled at the end of 1992 and has not yet produced.

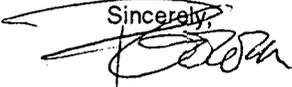
Riggs Oil and Gas Corporation owns 100% of the working interest in the W/2 of Section 4, T29N, R12W, which is contiguous to our spacing unit. To date, no Fruitland Coal wells have been drilled upon said lands.

Our well was drilled on the 320 acre spacing unit consisting of the S/2 of Section 5, T29N, R12W. Our well is approximately 165 feet north of the allowable window. As offsetting owners, we hereby request that you consent to our non-standard location.

I've enclosed a copy of our survey plat for our well.

Please execute below to signify your consent to our non-standard location. If you have any questions, please feel free to call.

Sincerely,

  
Peter A. Gowan  
Land Manager

Accepted and agreed this 8th day of June, 1993.

Riggs Oil and Gas ~~Corp~~ Corporation

  
Elliott A. Riggs  
President

Submit to Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies  
 DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
 P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
 1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico

OIL CONSERVATION DIVISION Energy, Minerals and Natural Resources Department

RECEIVED

OIL CONSERVATION DIVISION

93 MAR 29 AM 10 27 P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-105  
 Revised 1-1-89

WELL API NO.  
 30-045-28866

5. Indicate Type of Lease  
 STATE  FEE

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:  
 OIL WELL  GAS WELL  DRY  OTHER  MAR 24 1993

b. Type of Completion:  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR  OTHER  OIL CON. DIV

2. Name of Operator  
 Richardson Operating Co.

3. Address of Operator  
 P. O. Box 9808 Denver, CO 80209

7. Lease Name or Unit Agreement Name  
 ROPCO Fee FC 5

8. Well No.  
 #2

9. Pool name or Wildcat  
 Basin Fruitland Coal

4. Well Location  
 Unit Letter K: 2015' Feet From The South Line and 1765' Feet From The West Line  
 Section 5 Township 29N Range 12W NMPM San Juan County

10. Date Spudded 12/25/92	11. Date T.D. Reached 12/31/92	12. Date Compl. (Ready to Prod.) 3/15/93	13. Elevations (DF & RKB, RT, GR, etc.) 5682' GR	14. Elev. Casinghead 5682' GR
15. Total Depth 1640'	16. Plug Back T.D. 1796'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools X	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 1676'-1710' Basin Fruitland Coal			20. Was Directional Survey Made Yes	
21. Type Electric and Other Logs Run compensated Neutron, Formation Density, Micolog, GR			22. Was Well Cored No	

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	23#	120'	8 3/4"	80 sx Class B	
4 1/2"	10.5#	1840'	6 1/4"	230 sx Class B	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	1733'	

26. Perforation record (interval, size, and number)  
 1676-1677' 120 0.42" holes  
 1686'-1710'

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
1676'-1710'	34,160 gal 700 foam 55,900# 20/40 sand

28. PRODUCTION

Date First Production 3/15/93	Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing	Well Status (Prod. or Shut-in) WO Pipeline					
Date of Test 3/15/93	Hours Tested 12	Choke Size 3/4"	Prod'n For Test Period	Oil - Bbl.	Gas - MCF No Flow	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press. 0	Casing Pressure 470	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)  
 Test Witnessed By  
 Bruce E. Delventhal

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Bruce E. Delventhal Printed Name Bruce E. Delventhal Title Asst Date 3/21/93

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

### Southeastern New Mexico

### Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Otzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Delaware Sand _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Bone Springs _____	T. Entrada _____	T. _____
T. Abo _____	T. _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn "A" _____	T. _____

### OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....  
 No. 2, from.....to.....  
 No. 3, from.....to.....  
 No. 4, from.....to.....

### IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
1670'	1724'		Basin Fruitland Coal				
1724'	TD		Pictured Cliffs				

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240  
DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210  
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.	30-045-28866
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(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.)

1. Type of Well:  
 OIL WELL  GAS WELL  OTHER

2. Name of Operator  
 Richardson Operating Company

3. Address of Operator  
 P.O. Box 9808, Denver, CO 80209

4. Well Location  
 Unit Letter K : 2015' Feet From The South Line and 1765' Feet From The West Line  
 Section 5 Township 29N Range 12W NMPM San Juan County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
5682' GR

7. Lease Name or Unit Agreement Name  
 ROPCO Fee FC 5

8. Well No. #1

9. Pool name or Wildcat  
 Basin Fruitland Coal

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <u>CHANGE OF WELL NAME/NUMBER</u> <input checked="" type="checkbox"/>		OTHER: _____ <input type="checkbox"/>	

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.

Richardson Operating Company hereby requests that the ROPCO Fee FC 5 #1 well name be changed to: ROPCO Fee FC 5 #2. The lease name remains ROPCO Fee FC 5 but the well number changes to #2.

RECEIVED  
JAN 22 1993  
OIL CON. DIV  
DIST. 3

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

SIGNATURE Shelley L. Keene TITLE Operations Technician DATE 1/20/93  
 TYPE OR PRINT NAME Shelley L. Keene TELEPHONE NO. 303-698-9000

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT # 3 DATE JAN 22 1993  
 CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies  
to Appropriate  
District Office

CONSERVATION DIVISION  
RECEIVED

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240  
DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.



7. Lease Name or Unit Agreement Name  ROPCO Fee FC 5
--

8. Well No. #1
-------------------

9. Pool name or Wildcat Basin Fruitland Coal
---

SUNDRY NOTICES AND REPORTS ON WELLS  
(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.)

1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER
--

2. Name of Operator Richardson Operating Co.
---

3. Address of Operator P. O. Box 9808 Denver, CO 80209
---

4. Well Location Unit Letter <u>K</u> : <u>2015'</u> Feet From The <u>South</u> Line and <u>1765'</u> Feet From The <u>West</u> Line
---

Section <u>5</u> Township <u>29N</u> Range <u>12W</u> NMPM <u>San Juan</u> County
---

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5682' GR
--

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>
OTHER: _____ <input type="checkbox"/>
SUBSEQUENT REPORT OF:
REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>
OTHER: _____ <input type="checkbox"/>

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.

Pressure tested surface casing and BOP to 1500 psi for 30 min--held OK.

Drilled 6 1/4" hole to 1852' KB. Ran 43 jts of 4 1/2", 10.5#, J-55 casing. Casing landed at 1840' KB. PBD of 1796' KB. Cemented with 130 sx of Class B containing 2% Sodium Metasilicate and 1/4 #/sk cello flakes. Tailed in with 100 sx of Class B containing 2% CaCl and 1/4 #/sk cello flakes. Circulated 1 bbl of cement to surface.

RECEIVED

JAN - 6 1993

OR CON. DIV

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

SIGNATURE Bruce E. Delventhal TITLE Agent DATE 1/4/93

TYPE OR PRINT NAME Bruce E. Delventhal TELEPHONE NO.

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT # 3 DATE JAN - 6 1993

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies  
to Appropriate  
District Office

OIL CONSERVATION DIVISION State of New Mexico  
Energy, Minerals and Natural Resources Department  
RECEIVED

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION  
P.O. Box 2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

Santa Fe, New Mexico 87504-2088

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.

5. Indicate Type of Lease  
STATE  FEE

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS  
(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.)

7. Lease Name or Unit Agreement Name

ROPCO Fee FC 5

1. Type of Well:  
OIL WELL  GAS WELL  OTHER

8. Well No.

#1

2. Name of Operator  
Richardson Operating Co.

9. Pool name or Wildcat

Basin Fruitland Coal

3. Address of Operator  
P. O. Box 9803 Denver, CO 80209

4. Well Location

Unit Letter K : 2015' Feet From The South Line and 1765' Feet From The West Line

Section 5 Township 29N Range 12W NMPM San Juan County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

5682' GR

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   
OTHER:   
SUBSEQUENT REPORT OF:  
REMEDIAL WORK  ALTERING CASING   
COMMENCE DRILLING OPNS.  PLUG AND ABANDONMENT   
CASING TEST AND CEMENT JOB   
OTHER:

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.

Spud well at 1:00 PM on 12/26/92.

Drilled 8 3/4" hole to 121' KB. Ran 3 jts of 7", 23#, J-55 casing. Casing landed at 120' KB. Cemented with 80 sx of Class B containing 2% CaCl and 1/4 #/sk cello flakes. Circulated 4 bbls of cement to surface.

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

SIGNATURE Bruce E. Delventhal TITLE Agent DATE 12/28/92

TYPE OR PRINT NAME Bruce E. Delventhal TELEPHONE NO.

(This space for State Use)

APPROVED BY Charles Holson DEPUTY OIL & GAS INSPECTOR, DIST. #9 DATE DEC 30 1992

CONDITIONS OF APPROVAL, IF ANY:

Submit to Approving District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

RECEIVED  
DEC-7-1992  
OIL CON. DIVISION  
DIST. 3

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

API NO. (assigned by OCD on New Wells)  
30-045-28866

5. Indicate Type of Lease  
STATE  FEE

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:  
DRILL  RE-ENTER  DEEPEN  PLUG BACK

b. Type of Well:  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. Name of Operator  
Richardson Operating Co.

3. Address of Operator  
P. O. Box 9808 Denver, CO 80209

4. Well Location  
Unit Letter K : 2015' Feet From The South Line and 1765' Feet From The West Line  
Section 5 Township 29N Range 12W NMPM San Juan County

7. Lease Name or Unit Agreement Name  
ROPCO Fee FC 5

8. Well No.  
#1

9. Pool name or Wildcat  
Basin Fruitland Coal

10. Proposed Depth  
1852'

11. Formation  
Fruitland Coal

12. Rotary or C.T.  
Rotary

13. Elevations (Show whether DF, RT, GR, etc.)  
5682' GR

14. Kind & Status Plug. Bond  
Pending

15. Drilling Contractor  
Unknown

16. Approx. Date Work will start  
As soon as permitted

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
8 3/4"	7"	23#	120'	60 sx	Surface
6 1/4"	4 1/2"	10.5#	1852'	210 sx	Surface

Richardson Operating Co. proposes to drill a well to 1852' to test the Basin Fruitland Coal formation. If productive, casing will be run and the well will be completed. If dry, the well will plugged and abandoned according to NMOC requirements.

APPROVAL EXPIRES 6-9-93  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE Bruce E. Delventhal TITLE Agent DATE 12/04/92  
TYPE OR PRINT NAME Bruce E. Delventhal TELEPHONE NO. 326-4125

(This space for State Use)

APPROVED BY Ernie Busch TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE DEC 09 1992

CONDITIONS OF APPROVAL, IF ANY:

C-104 For CA & NPL

Submit to Appropriate District Office  
 State Leases - 4 copies  
 Fee Leases - 3 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-103  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**

P.O. Box 2088  
 Santa Fe, New Mexico 87504-2088

DISTRICT I  
 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
 P.O. Drawer DD, Arado, NM 88210

DISTRICT III  
 1000 Rio Spahn Rd., Aztec, NM 87410

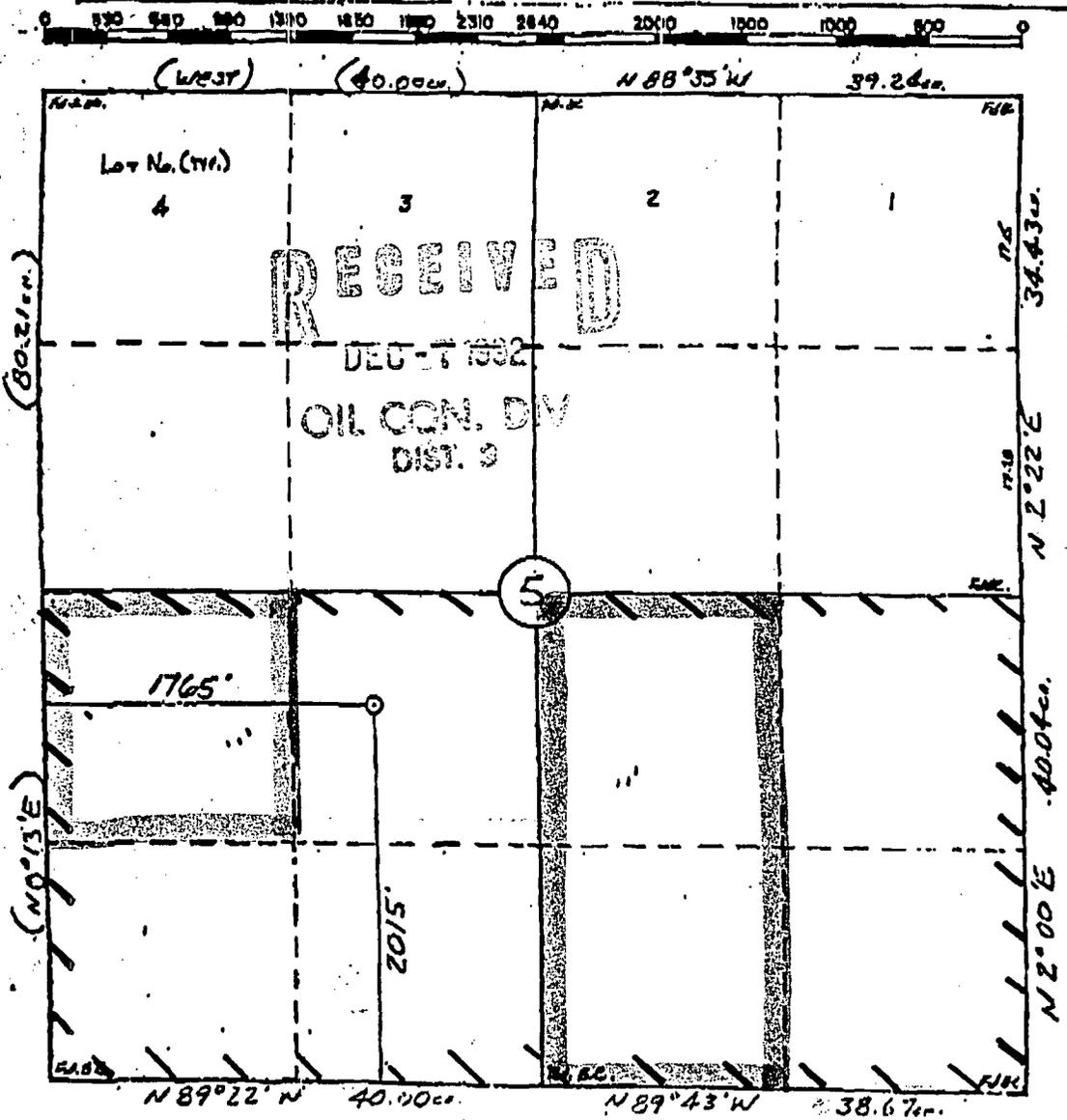
**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

Operator Richardson Operating Co.			Lease ROPCO Fee FC 5		Well No. #1
Unit Letter K	Section 5	Township 29 N	Range 12 W	County San Juan	
Actual Footage Location of Well: 2015 feet from the South line and 1765 feet from the West line					
Ground level Elev. 5682	Producing Formation Basin Fruitland Coal		Pool Fruitland Coal	Dedicated Acreage 320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). (See Attached)
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
  - Yes
  - No
  - If answer is "yes" type of consolidation: Communitization Pending

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)  
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, affirming such interest, has been approved by the Division.



**OPERATOR CERTIFICATION**

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

Signature: Bruce E. Delventhal  
 Printed Name: Bruce E. Delventhal  
 Position: Agent  
 Company: Richardson Operating Co.  
 Date: December 4, 1992

---

**SURVEYOR CERTIFICATION**

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

Date Surveyed: 11-20-92  
 Signature: William W. Ankne II  
 Professional Surveyor  
 State of New Mexico  
 Registration No. 8466  
 Certified Professional Land Surveyor

  
**RICHARDSON OPERATING COMPANY**

---

309 West First Avenue P.O. Box 9808  
Denver, Colorado 80209 (303) 698-9000  
FAX (303) 777-0607

Ownership Information  
Township 29 North, Range 12 West  
Section 5: S/2

Tract I: NE/4SW/4  
WI: Conoco, Inc.  
RI: USA  
ORRI: NONE  
Surface: City of Albuquerque, New Mexico

Tract II: NW/4SW/4  
WI: Conoco 100%  
RI: 12.5% George L. DePeyster 80%  
Betty J. Henderson 5%  
Howard E. Henderson 5%  
Central Bank of Denver, NA 10%  
ORRI: Amoco - 4.16666% when well production exceeds 5  
MMCFD  
Surface: Sam Lybrook, Jr.

Tract III: W/2SE/4  
WI: Conoco, Inc.  
RI: Gordon G. Wood and Marvelyn L. Woods Trustees  
ORRI: Amoco as above 4.16666%  
Surface: Morningstar Corp.

Tract IV: E/2SE, S/2SW/4  
RI: USA  
WI: Texaco Explortation & Production, Inc.  
ORRI: None  
Surface: Morningstar Corp.