

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

17219

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☒

## 2. NAME OF OPERATOR

Richardson Operating Co. (303) 830-8000

## 3. ADDRESS AND TELEPHONE NO.

1700 Lincoln, Suite 1700, Denver, Co. 80203

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1740' FSL &amp; 1320' FWL

At proposed prod. zone

Same

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

3 air miles SW of Farmington, NM

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

3,540'

## 16. NO. OF ACRES IN LEASE

2,560

17. NO. OF ACRES ASSIGNED  
TO THIS WELL160<sup>ac</sup> & 320<sup>ac</sup>18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1,607'

## 19. PROPOSED DEPTH

1,700'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,880'-ungraded ground

## 22. APPROX. DATE WORK WILL START\*

On Approval

23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4"	7" (K-55)	20#	120'	~36 cu ft & to surface
6-1/4"	4-1/2" (K-55)	10.5#	1,700'	~310 cu ft & to surface

This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4.

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"



RECEIVED  
DIN  
070 1700 LINCOLN, NM  
59 OCT 27 PM 1:46

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Cathleen Gilly*

TITLE

Consultant (505) 466-8120  
*Land Manager*

DATE

10-24-99

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

*/s/ Lee Otterli*

APPROVED BY

TITLE

*FM*

DATE

7-25-01

\*See Instructions On Reverse Side

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.

NMOCD

FV

District I  
1625 N. French Dr., Hobbs, NM 88240

District II  
811 South First, Artesia, NM 88210

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

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised March 17, 1994

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

99 OCT 27 PM 1:46 ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-005-30041		<sup>2</sup> Pool Code 71629 79680		<sup>3</sup> Pool Name BASIN FRUITLAND COAL GAS & PC 2 PC	
<sup>4</sup> Property Code 28565		<sup>5</sup> Property Name WF Navajo 25			<sup>6</sup> Well Number 25
<sup>7</sup> OGRID No. 019219		<sup>8</sup> Operator Name RICHARDSON OPERATING COMPANY			<sup>9</sup> Elevation 5880'

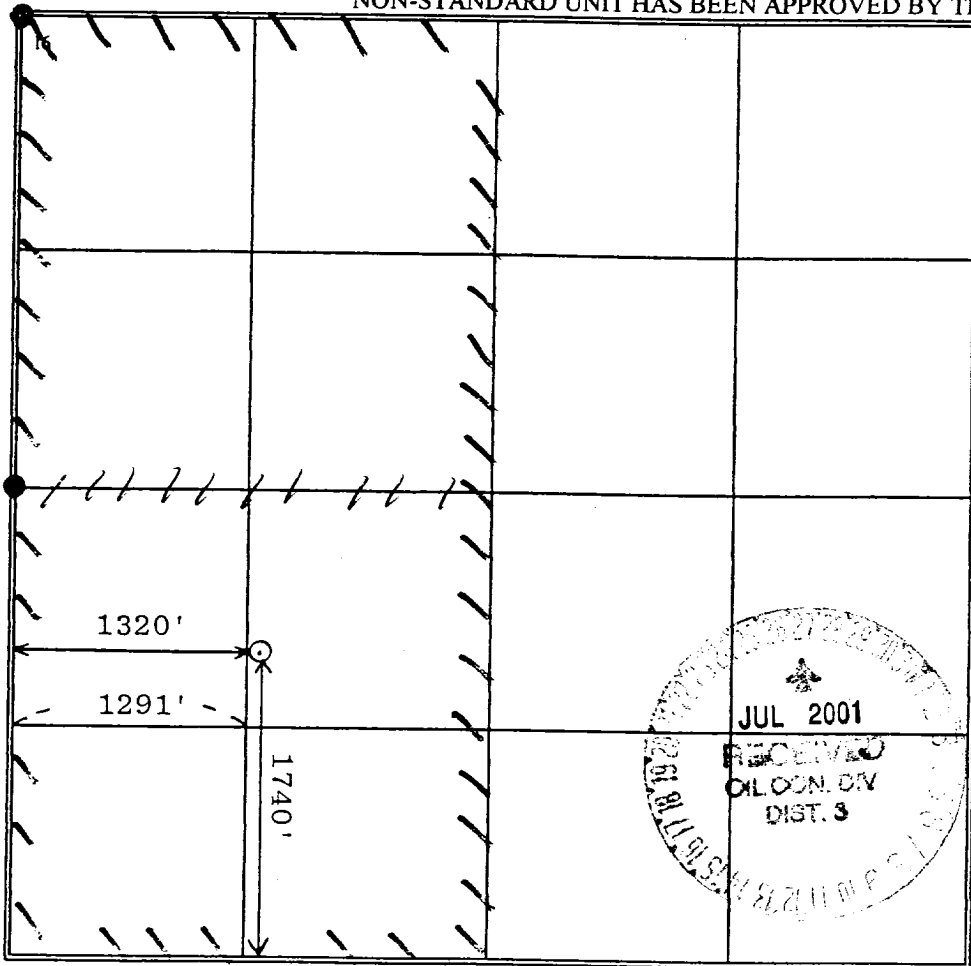
<sup>10</sup> Surface Location

UL or lot no. K -	Section 25	Township 29 N	Range 14 W	Lot Idn	Feet from the '1740'	North/South line 'South	Feet from the '1320'	East/West line 'West	County San Juan
----------------------	---------------	------------------	---------------	---------	-------------------------	----------------------------	-------------------------	-------------------------	--------------------

<sup>11</sup> Bottom Hole Location If Different From Surface

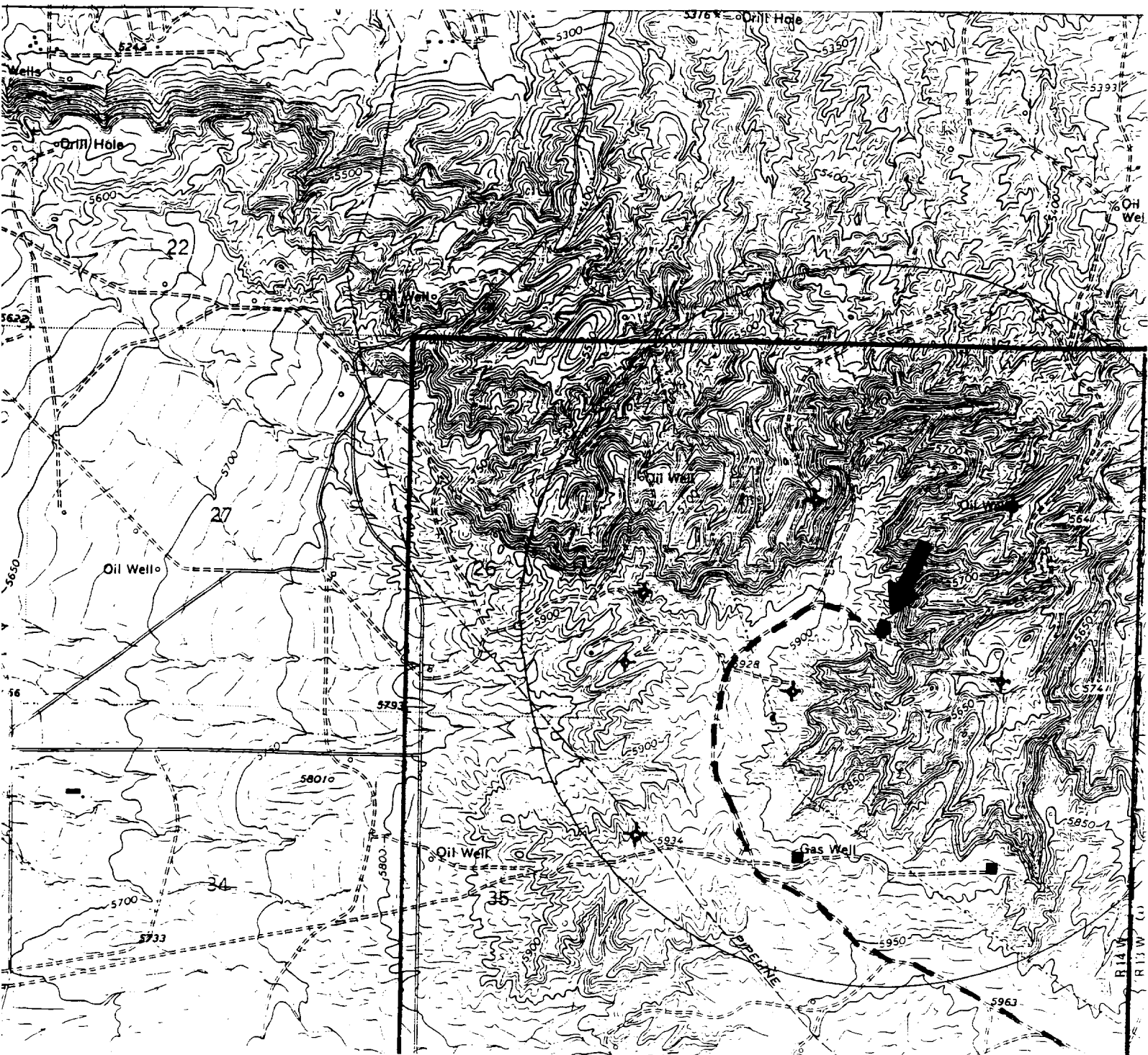
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 160 AC 320 FC									
<sup>13</sup> Joint or Infill									
<sup>14</sup> Consolidation Code									
<sup>15</sup> Order No.									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Brian Wood</i> Signature BRIAN WOOD Printed Name CONSULTANT Title OCT. 24, 1999 Date</p>
	<p><sup>18</sup> 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 belief.</p> <p>7 198 Date of Survey Signature and Seal of Surveyor GERALD G. HUDDLESTON REGISTERED LAND SURVEYOR 6844 Certificate Number</p>

5164' (calculated)

PAGE 11



ACCESS ROUTE: / \ / LEASE LINE: ☐

Richardson Operating Co.  
Navajo 25 #1  
1740' FSL & 1320' FWL  
Sec. 25, T. 29 N., R. 14 W.  
San Juan County, New Mexico

PAGE 1

## Drilling Program

### 1. ESTIMATED FORMATION TOPS

<u>Formation Name</u>	<u>GL Depth</u>	<u>KB Depth</u>	<u>Subsea Elevation</u>
Kirtland Sh	000'	5'	+5,880'
Fruitland Ss	1,195'	1,200'	+4,685'
Fruitland Coal	1,545'	1,550'	+4,335'
Pictured Cliffs Ss	1,565'	1,570'	+4,315'
Total Depth (TD)*	1,700'	1,705'	+4,180'

\* all elevations reflect the ungraded ground level of 5,880'

### 2. NOTABLE ZONES

<u>Gas Zones</u>	<u>Water Zones</u>	<u>Coal Zones</u>
Fruitland Ss (1,195')	Fruitland Ss (1,195')	Fruitland Ss (1,195')
Fruitland Coal (1,545')	Fruitland Coal (1,545')	Fruitland Coal (1,545')
Pictured Cliffs (1,565')		

Water zones will be protected with casing, cement, and weighted mud. Fresh water encountered during drilling will be recorded by depth, cased, and cemented. Oil and gas shows will be tested for commercial potential based on the well site geologist's recommendations.

### 3. PRESSURE CONTROL

The drilling contract has not yet been awarded, thus the exact BOP model to be used is not yet known. (A typical 2,000 psi model is on PAGE 3.) Double ram or annular system with a rotating head will be used. All ram preventers and related equipment will be hydraulically tested at nipple up