

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK

**DRILL** ☒**DEEPEN** ☐

b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER Coal Bed Methane

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

303/830-8000

1700 Lincoln, Suite 1700

Richardson Operating Company

Denver, CO 80203

3. ADDRESS AND TELEPHONE NO.

303/452-8888

13585 Jackson Drive

PERMITCO INC.

Denver, CO 80241

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

At Surface

1569' FNL and 1104' FEL

At proposed prod. zone

SE NE Section 30, T30N - R14W

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

Approximately 3 miles north of Kirtland, New Mexico

15. DISTANCE FROM PROPOSED\*

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

1,104'

18. DISTANCE FROM PROPOSED LOCATION \*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

None

16. NO. OF ACRES IN LEASE

960 Acres

17. NO. OF ACRES ASSIGNED

TO THIS WELL

160/320 acres

19. PROPOSED DEPTH

800' / 1150'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATION OF WELL (Report elevation clearly and in accordance with any State requirements.)\*

5,505' This action is subject to technical and

procedural review pursuant to 43 CFR 3165.3

and appeal pursuant to 43 CFR 3165.4.

22. APPROX. DATE WORK WILL START\*

May 25, 1998

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"                    | 20#             | 130'          | 35 sx - circulate to surface  |
| 6-1/4"       | 4-1/2"                | 10.5#           | 800' / 1150'  | 100 sx - circulate to surface |

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

Richardson Operating Company proposes to drill a well to 800' to test the Pictured Cliffs and Fruitland Coal Formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of New Mexico requirements.

See Onshore Order No. 1 attached.

**CONFIDENTIAL - TIGHT HOLE**

Please be advised that Richardson Operating Company is considered to be the Operator of the above mentioned well. Richardson Operating Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Richardson Operating Company under their Statewide Bond No. NM-1711. The principal is Richardson Operating Company via surety consent as provided for in 43 CFR 3104.2.

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. 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 Lisa L. Smith Authorized Agent for:

SIGNED

TITLE

Richardson Operating Company

DATE 5/4/98

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

MAY 15 1998

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:

APPROVED BY

TITLE

Team Lead

DATE

MAY 15 1998

\*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**

District I  
PO Box 1989, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

02-17-98 11:32

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|   |  |  |                                  |
|---|--|--|----------------------------------|
| <sup>1</sup> API Number<br>30-045-29598 | <sup>2</sup> Pool Code<br>86620                        | <sup>3</sup> Property Name<br>TWIN MOUNDS<br>FRUITLAND S. CO.<br>PC EXT. 1 | <sup>4</sup> Well Number<br>30-1 |
| <sup>5</sup> Property Code<br>23339     | <sup>6</sup> Operator Name<br>Richardson Operating Co. |  | <sup>7</sup> Elevation<br>5505'  |
| <sup>8</sup> OGRID No.<br>19219         |  |  |                                  |

<sup>10</sup> Surface Location



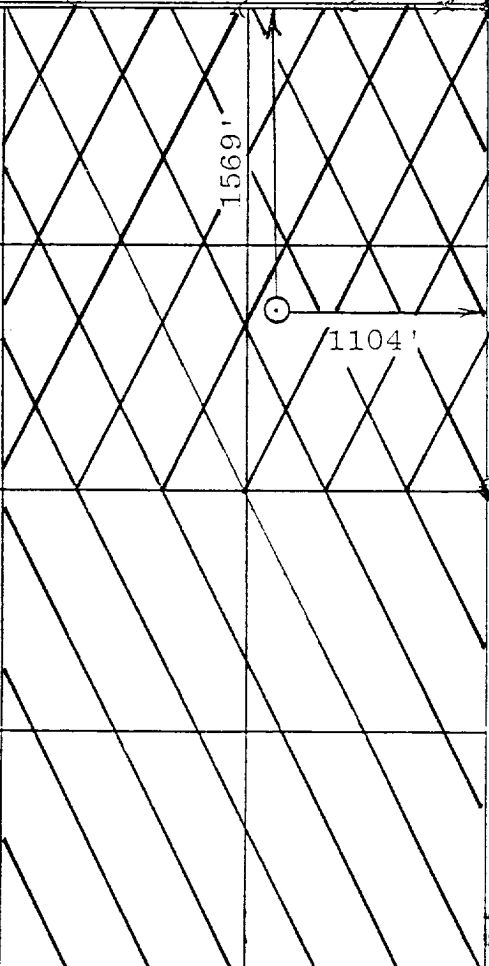

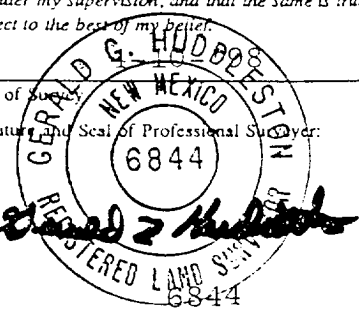
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| H             | 30      | 30 N.    | 14 W. |         | 1569          | North            | 1104          | East           | 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<br>160/320 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code<br>To be communitized | <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

|  |   |  |
|--|---|--|
| <sup>16</sup><br>See attached for Royalty,<br>ORRI and WI Owners<br><br> Pictured Cliffs<br> Fruitland Coals |  | <sup>17</sup> OPERATOR CERTIFICATION<br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief<br><br><br>Signature<br>Lisa L. Smith<br>Printed Name<br>Authorized Agent for:<br>Richardson Operating Company<br>Date<br>May 4, 1998  |
|  |   | <sup>18</sup> SURVEYOR CERTIFICATION<br>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.<br><br><br>Date of Survey<br>Signature and Seal of Professional Surveyor:<br>Certificate Number |

