

**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 Coalbed Methane SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
**Richardson Operating Co.** 303/830-8000 1700 Lincoln, Suite 1700  
Denver, CO 80203

3. ADDRESS AND TELEPHONE NO.  
**PERMITCO INC.** 303/857-9999 14421 Weld County Rd. 10  
Ft. Lupton, CO 80621

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At Surface **790' FNL and 1,410' FEL**  
At proposed prod. zone **NW NE Section 29, T30N - R14W**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**Approximately 4.5 miles northeast of Kirtland, New Mexico**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **790'**

16. NO. OF ACRES IN LEASE **3**

17. NO. OF ACRES ASSIGNED TO THIS WELL **160/E 320**  
**40 Acres**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **1,250'**

19. PROPOSED DEPTH **1,250'**

20. ROTARY OR CABLE TOOLS **Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.) **5,554'**

22. APPROX. DATE WORK WILL START\* **November 30, 1998**

5. LEASE DESIGNATION AND SERIAL NO.  
**#NM-97844**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**N/A**

7. UNIT AGREEMENT NAME  
**N/A**

8. FARM OR LEASE NAME, WELL NO.  
**WF Federal**

9. API WELL NO.  
**#29-1 30-045-29737**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat PC/BASIS FRT**

11. SEC., T., R., M., B. AND SURVEY OR AREA  
**Section 29, T30N - R14W**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**NM**

**RECEIVED**  
**NOV 30 1998**  
**OIL CON. DIV.**  
**DIST. 3**

**This action is subject to technical and procedural review pursuant to 43 CFR 3105.3 and appeal pursuant to 43 CFR 3105.4.**

**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#	1,250'	150 sx - circulate to surface

Richardson Operating Company proposes to drill a well to 1,250' 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.

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

Bond coverage for this well is provided by Richardson Operating Company under **Order State Requirements 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. **Lisa L. Smith** **Authorized Agent for:**  
SIGNED *Lisa L. Smith* TITLE **Richardson Operating Company** DATE **11/16/98**

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE **NOV 24 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

*Ann J. J. J.*

TITLE

**Acting Team Lead**

DATE

**11/25/98**

**\*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.

*HOLD C-104 FOR TOWN MOOUND*

THE UNIVERSITY OF CHICAGO  
LIBRARY  
540 EAST 57TH STREET  
CHICAGO, ILL. 60637

1967-1968

1967-1968  
1967-1968  
1967-1968

District I  
PO Box 1980, 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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-29737		1 Pool Code 86620 / 71629		TWIN MOUNTAINS FRT 3000 Pictured Cliffs/Fruitland Coal EAT		
1 Property Code 23904		1 Property Name WF Federal			1 Well Number 29-1	
1 OGRID No. 019219		1 Operator Name RICHARDSON OPERATING Co.			1 Elevation 5554'	

10 Surface Location

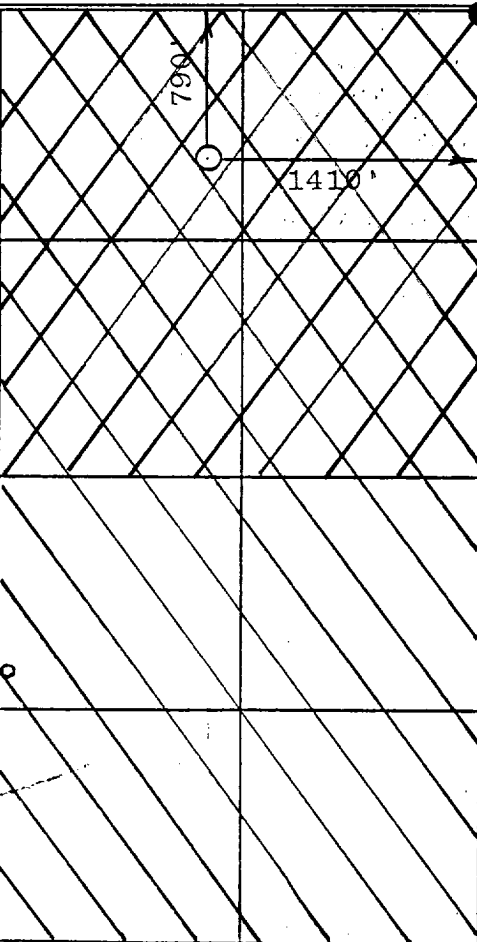



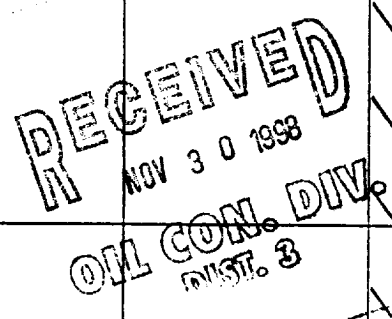
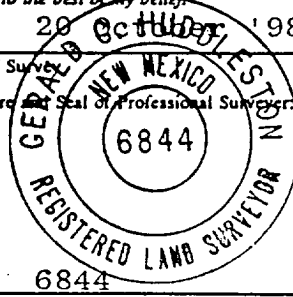
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	29	30 N.	14 W.		790	North	1410	East	San Juan

11 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

12 Dedicated Acres 160/320	13 Joint or Infill	14 Consolidation Code To be communitized	15 Order No.
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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

16 See attached for Royalty, ORRI and WI Owners				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
 Pictured Cliffs  Fruitland Coals				Signature  Printed Name Authorized Agent for: Title Richardson Operating Company Date November 16, 1998	
		18 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.			
		Date of Survey 20 October '98 Signature  6844 Certificate Number 6844			

