

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

90-045-28930

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐

GAS  
WELL ☐

OTHER

Coalbed Methane

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR 303/698-9000 19219 P.O. Box 9808

Richardson Operating Company Denver, CO 80209

3. ADDRESS OF OPERATOR 303/452-8888 13585 Jackson Drive

Permitco Inc. - Agent Denver, CO 80241

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

1047' FSL and 1681' FWL

At proposed prod. zone

SE SW Sec. 9, T29N - R12W

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

6 miles west of Farmington, NM

15. DISTANCE FROM PROPOSED\*

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

1047'

16. NO. OF ACRES IN LEASE

480 467.760

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

11/320 317 30

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

2100'

19. PROPOSED DEPTH

1873'

20. ROTARY OR CABLE TOOLS

Rotary

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

5710' GR

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\*

Immediately upon approval  
of this application.

23.

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4"	7"	20#	240	60 sx or suffic to circ to surf.
6-1/4"	4-1/2"	10.5#	1873'	210 sx or suffic to circ to surf.

Richardson Operating Company proposes to drill a well to 1873' to test the Fruitland Coal formation for Coalbed Methane. 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.

Richardson Operating Company has been designated by proper lease interest owners to conduct operations on the above mentioned lease. Bonding will be covered under Richardson's Statewide BLM Bond #NM-1711.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

NTL-FRA 90-1, NOLCC: SECT. III. B.3. & 4.

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

*[Signature]*

Consultant for

TITLE Richardson Operating Company DATE 11/12/92

(This space for Federal or State office use)

PERMIT NO.

RECEIVED

APPROVAL DATE

APPROVED  
AS AMENDED

APPROVED BY

MAR 1 1993

TITLE

DEC 10 1992

CONDITIONS OF APPROVAL, IF ANY

OPERATOR

AREA MANAGER

\*See Instructions On Reverse Side

03/10/1974  
01/10/1974

10/10/1974

03/10/1974  
01/10/1974  
10/10/1974  
10/10/1974  
10/10/1974

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>RICHARDSON OPERATING COMPANY</b>		Lease <b>Federal FC 9</b> NM-021119		Well No. <b>49-1 FC</b>
Unit Letter <b>N</b>	Section <b>9</b>	Township <b>29 N</b>	Range <b>12 W</b>	County <b>SAN JUAN</b>
Actual Footage Location of Well: <b>1047'</b> feet from the <b>SOUTH</b> line and <b>1681'</b> feet from the <b>WEST</b> line				
Ground level Elev. <b>5710.0</b>	Producing Formation <b>Fruitland Coal</b>	Pool <b>Basin</b>	Dedicated Acreage: <b>320 3/4</b> Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>2. 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)</p> <p>3. 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.? (Communitization Pending) <input type="checkbox"/> Yes <input type="checkbox"/> 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.</p>				

330 640 990 1320 1650 1980 2340 2640 2000 1500 1000 500 0

78° 78' 00" W

N 88° 42' 00" W

N 60° 40' E

39° 23' 00" N

N 60° 13' W

40° 66' 00" N

OPERATOR CERTIFICATION

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

Signature  
*Lisa L. Smith*

Printed Name  
Lisa L. Smith

Position  
Authorized Agent For  
Company  
Richardson Operating Company

Date  
November 13, 1992

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.

11-2-92

Date Surveyed  
WILLIAM E. MAHNKE II

Signature & Seal of  
Professional Surveyor

WILLIAM E. MAHNKE II  
NEW MEXICO  
#8466  
Certificate No. 8466  
PROFESSIONAL LAND SURVEYOR

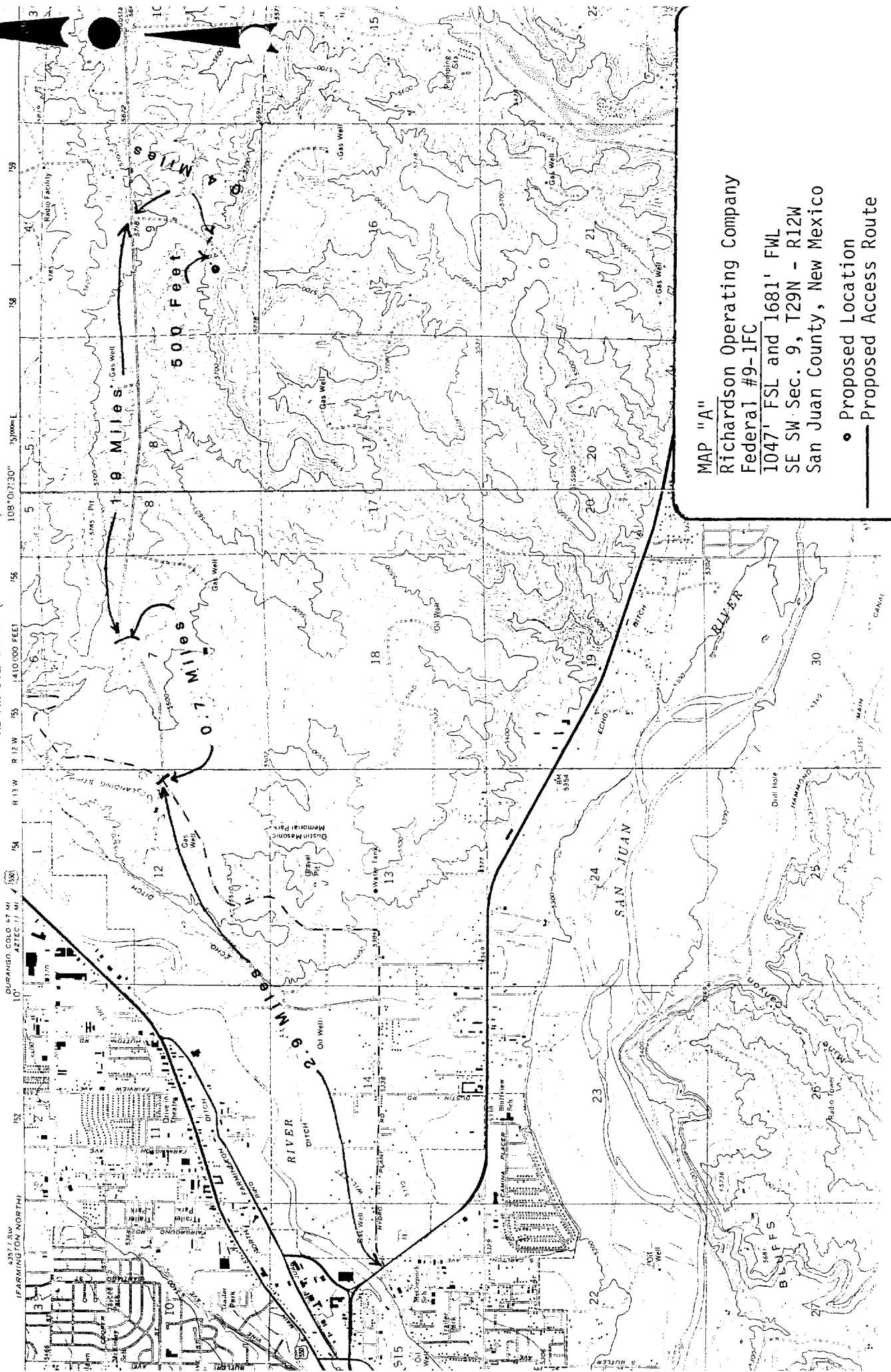
RECEIVED

MAR 1 1993

OIL CON. DIV.  
DIST. 3

FARMINGTON SOUTH QUADRANGLE  
 NEW MEXICO—SAN JUAN CO.  
 7.5 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY



MAP "A"

Richardson Operating Company  
 Federal #9-IFC

1047' FSL and 1681' FWL  
 SE SW Sec. 9, T29N - R12W  
 San Juan County, New Mexico

- Proposed Location
- Proposed Access Route



RICHARDSON OPERATING COMPANY

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

February 26, 1993

NEW MEXICO OIL CONSERVATION DIVISION  
DISTRICT III - AZTEC  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

RE: APPLICATION FOR PERMIT TO DRILL  
? ROPCO FEDERAL #9-1 FC  
T29N-R12W-Section 9: SESW Unit Ltr N  
1047' FSL/1681' FWL  
San Juan County, New Mexico

**RECEIVED**  
MAR 1 1993  
**OIL CON. DIV.**  
**DIST. 3**

Gentlemen:

Enclosed please find the Approved Application for Permit to Drill which the Bureau of Land Management approved on December 10, 1992. This Permit apparently never made it to your office for processing. Please process and return with API number for this well as soon as possible.

Thank you for your assistance and should you require additional information or materials, please advise.

Sincerely,

RICHARDSON OPERATING COMPANY

Shelley L. Keene  
Petroleum Landman

Enclosure

**RECEIVED**  
FEB 9 1993  
OIL CON. DIV.  
DIST. 3

RICHARDSON OPERATING COMPANY

FEDERAL FC 9 No. 1  
1047' FSL, 1681' FWL  
Sec. 9, T29N, 12W  
San Juan County, NM

DEVIATION SURVEYS

<u>Depth</u>	<u>Hole Deviation</u>
132'	1/2 deg.
630'	3/4 deg.
1055'	3/4 deg.
1575'	1 deg.
1883'	1 1/4 deg.

State of New Mexico       )  
                                  )   ss  
County of San Juan       )

I, Bruce E. Delventhal, being duly sworn, depose and state that the above and foregoing depth and hole deviation figures are true and correct to the best of my information and belief.

Bruce E. Delventhal

Subscribed and sworn before me this 5<sup>th</sup> day of February 93.

Jiri Sue Cone  
Notary Public

My Commission Expires: 1-18-94.