

CONFIDENTIAL - TIGHT HOLE

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>	1b. TYPE OF WELL OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	SINGLE <input type="checkbox"/> MULTIPLE <input type="checkbox"/>	ZONE <input checked="" type="checkbox"/> ZONE <input type="checkbox"/>															
2. NAME OF OPERATOR RICHARDSON OPERATING CO.		P.O. Box 9808 Denver, CO 80209																
3. ADDRESS OF OPERATOR PERMITCO INC. - Agent		13585 Jackson Drive Denver, CO 80241																
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At Surface 1847' FSL and 1680' FEL At proposed Prod. Zone NW SE Sec. 12																		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 3 miles east of Farmington, NM																		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1680'		16. NO. OF ACRES IN LEASE 120	17. NO. OF ACRES ASSIGNED TO THIS WELL 160															
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. Approx. 150'		19. PROPOSED DEPTH 1600'	20. ROTARY OR CABLE TOOLS Rotary															
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 553' GR		22. APPROX. DATE WORK WILL START* Immediately Upon Approval																
23. PROPOSED CASING AND CEMENTING PROGRAM <table border="1"><thead><tr><th>SIZE OF HOLE</th><th>SIZE OF CASING</th><th>WEIGHT/FOOT</th><th>SETTING DEPTH</th><th>QUANTITY OF CEMENT</th></tr></thead><tbody><tr><td>8-3/4"</td><td>7"</td><td>20#</td><td>200'</td><td>60 sx - Circ. to Surf.</td></tr><tr><td>6-1/4"</td><td>4-1/2"</td><td>10.5#</td><td>1600'</td><td>200 sx - Circ. to Surf.</td></tr></tbody></table>				SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT	8-3/4"	7"	20#	200'	60 sx - Circ. to Surf.	6-1/4"	4-1/2"	10.5#	1600'	200 sx - Circ. to Surf.
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Richardson Operating Company proposes to drill a well to 1600' to test the Pictured Cliffs formation. 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 Bond #NM-1711.

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 Co. DATE 01/07/93
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*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 false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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MAR - 8 1994

OIL CON. DIV
DIST 3

NMOOD

State Lease - 4 copies
Fee Lease - 3 copies

Energy, and Natural Resources Department

Revised 1-1-89

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

OIL CONSERVATION DIVISION

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator RICHARDSON OPERATING CO.			Lease ROPCO FED. PC / 2		Well No. 12 - 1
Unit Letter J	Section 12	Township 29 N.	Range 13 W.	County SAN JUAN	
Actual Footage Location of Well: 1847 feet from the SOUTH line and 1651 feet from the EAST line					
Ground level Elev. 5532'	Producing Formation PICTURED CLIFFS		Pool WEST KUTZ PICTURED CLIFFS EXT.		Dedicated Acreage: 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
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).
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?
☐ 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.) Communitization In Progress
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

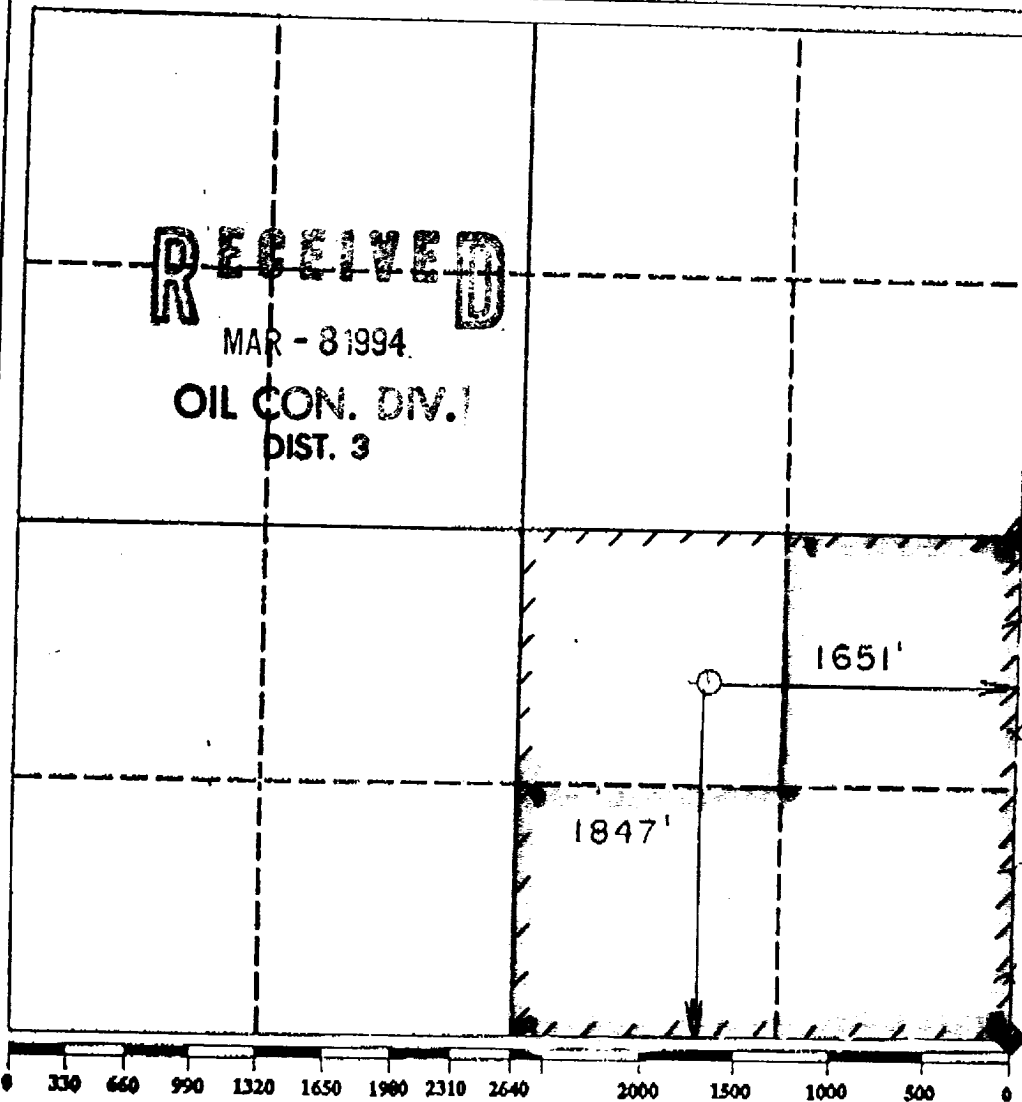
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

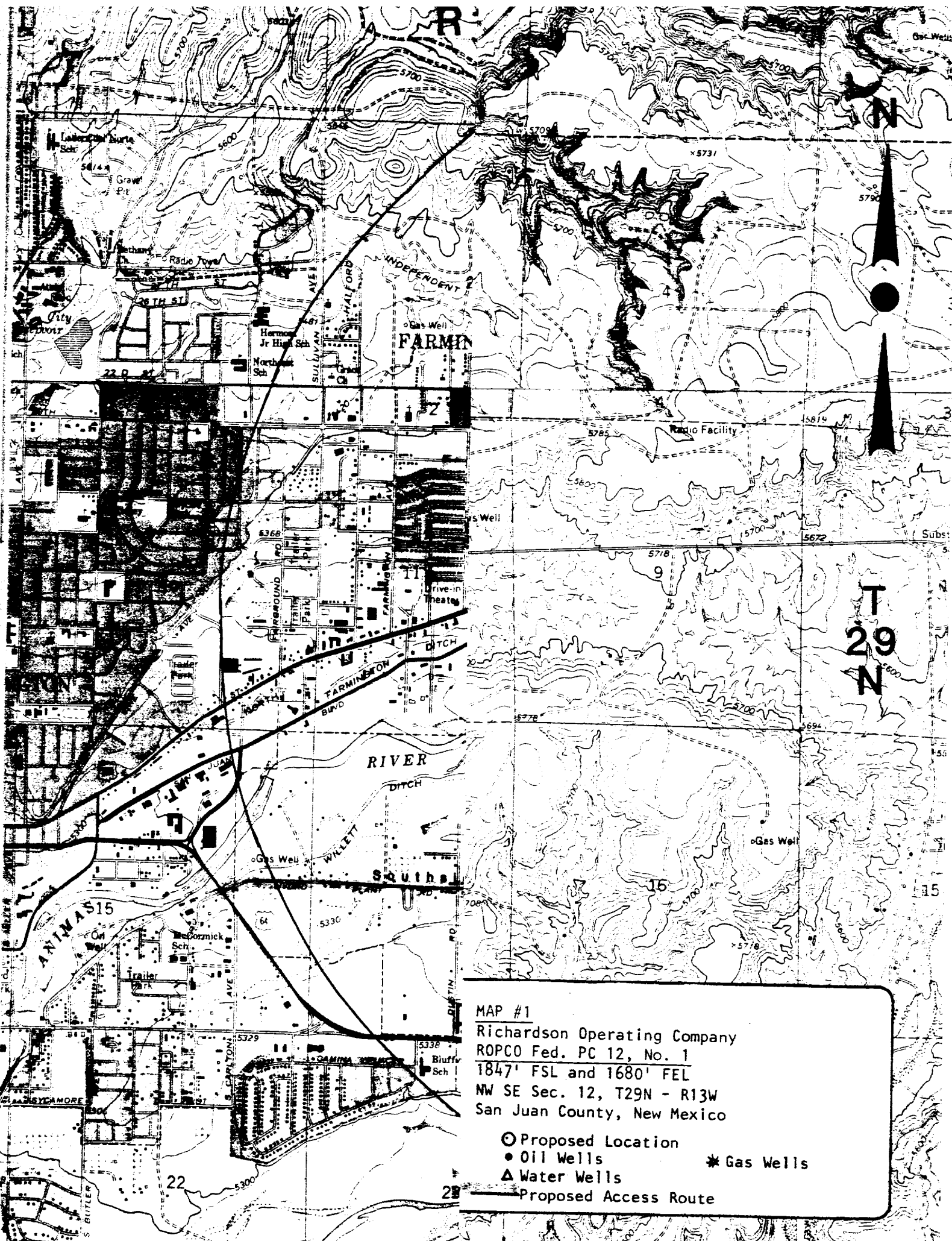
Signature
Bruce E. Delventhal
Printed Name
BRUCE E. DELVENTHAL
Position
AGENT
Company
RICHARDSON OPERATING CO.
Date
FEBRUARY 10, 1994

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or 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
G. HUDDLETON
Signature
G. Huddleton
Professional Surveyor
6844
REGISTERED LAND SURVEYOR
Certificate No.





MAP #1

Richardson Operating Company
ROPCO Fed. PC 12, No. 1
1847' FSL and 1680' FEL
NW SE Sec. 12, T29N - R13W
San Juan County, New Mexico

- Proposed Location
- Oil Wells
- ▲ Water Wells
- ★ Gas Wells
- Proposed Access Route

RICHARDSON OPERATING CO.
ROPCO FEDERAL PC 12 -1

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FEB 14 1994

BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE

Township 29 North, Range 13 West, NMPM
Section 12: SE/4
San Juan County, New Mexico

Tract I S/2SE/4, NW/4SE/4-12-T29N-R13W



Tract IV NE/4SE/4-12-T29N-R13W



Tract I:

Royalty: USA (12.5% x 75% = 9.375%)

ORRI: Howard C. Smith and wife, Helen J. Smith (5% x 75% = 3.75%)
Estate of John J. Redfern, Jr. (1/8 x 1.25% x 75% = .1171875%)
Rosalind Redfern (1/8 x 1.25% x 75% = .1171875%)
Kerr-McGee Corporation (1/12 x 1.25% x 75% = .078125%)
J. H. Herd (2/12 x 1.25% x 75% = .15625%)
John J. Christmann (3/12 x 1.25% x 75% = .234375%)
Jack Markham (3/12 x 1.25% x 75% = .234375%)
James R. Stephens (1/2 x 1.25% x 75% = .46875%)
Earl A. Rogers (1/2 x 1.25% x 75% = .46875%)

WI: *Richardson Production Company (100% x 75% = 75%)

Tract IV:

Royalty: Thomas A. Dugan (12.5% x 25% = 3.125%)

ORRI: Amoco Production Company (3.5% x 25% = .875%)

WI: *Richardson Production Company (84% x 25% = 21%)

*RPC 100% WI
81% NRI