

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 ☒

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Reading & Bates Petroleum

3. ADDRESS OF OPERATOR

3200 Mid-Continent Tower, Tulsa, OK 74103

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

At surface

990'FNL & 990'FEL

At proposed prod. zone

same

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

3 miles South of Ojito, New Mexico

15. DISTANCE FROM PROPOSED*

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

990'

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

None

16. NO. OF ACRES IN LEASE

520

19. PROPOSED DEPTH

8350'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 7212'

22. APPROX. DATE WORK WILL START*

December 15, 1986

This is to certify that the proposed program is in accordance with the

proposed program and is in accordance with the proposed program

and is in accordance with the proposed program

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	INNER DIAMETER OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT (GENERAL REQUIREMENTS)
12 1/4"	9-5/8"	36#	500'	350 cu. ft.
7-7/8"	5 1/2"	15.5#, 17#	8350'	949 cu. ft.

All producing intervals in Mancos will be perforated and stimulated as necessary.
Single completion.

EXHIBITS:

"A" Location and Elevation Plat
"B" Ten Point Compliance Program
"C" Blowout Preventer Diagram
"D" Multi-Point Requirements for APD
"E" Access Road to Location

"F" Radius Map of Field
"G" Drilling Rig Layout
"H" Fracturing Program Layout
"I" Location Profile
"J" Production Equipment Layout

The gas from this well is not committed.

The E/2, Sec. 24 is dedicated to this well.

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

J. Bruce Pettit

TITLE

NW Division Manager

DATE

11-17-86

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

/s/ J. Stan McKee

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

EXHIBIT A

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-79

All distances must be from the outer boundaries of the Section.

Operator READING & BATES PETROLEUM COMPANY		Lease GREENLEE FEDERAL 24		Well No. 41-24
Unit Letter A	Section 24	Township 25 North	Range 3 West	County Rio Arriba
Actual Footage Location of Well: (cardinal) 990 feet from the North line and 990 feet from the East line				
Ground Level Elev. 7212	Producing Formation Greenlee	Pool Greenlee - FEL	Dedicated Acreage: 2.320 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 interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Communitization

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 interests, has been approved by the Division.

* Record GLO 1917 plat

WEST		80.05*	
RECEIVED FEB 04 1986 BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA		Greenlee Fed 41-24	
80.0*		990' FNL 990' FEL	
RECEIVED MAY 11 1987 BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA		SF 081334	
80.0*		80.0*	
Sec. 24		NORTH	
NM 03746		80.07*	
WEST		NORTH	

CERTIFICATION

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

T. Bruce Petitt
Name

T. Bruce Petitt
Position

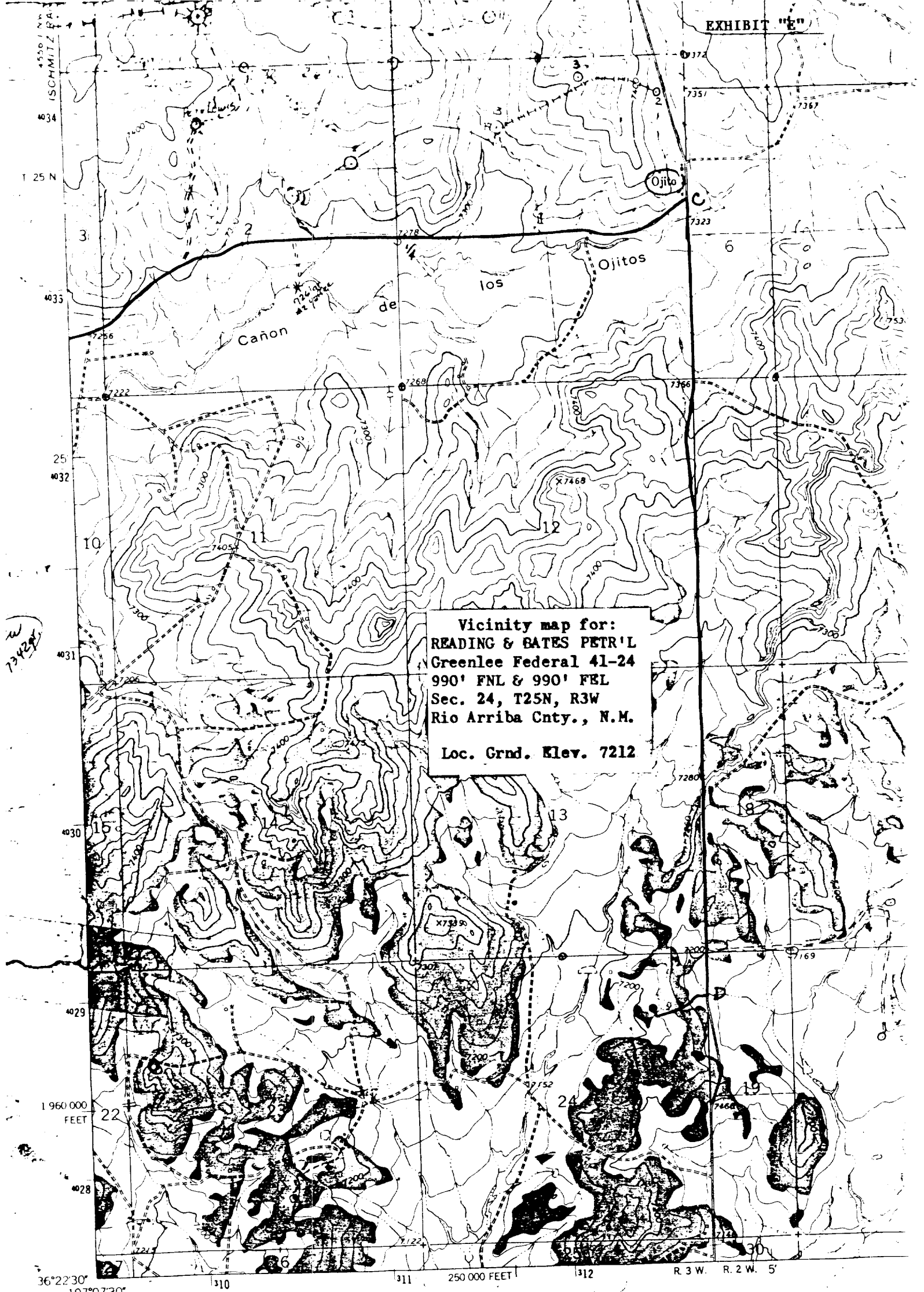
NW Division Manager
Company

Reading & Bates Petroleum Co.
Date

11-17-86

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.

ROY A. RUSH
NEW MEXICO
Professional Engineer
and Land Surveyor
Date Surveyed
Oct. 20, 1986
Certificate No. **8894**



Vicinity map for:
READING & BATES PETR'L
Greenlee Federal 41-24
990' FNL & 990' FEL
Sec. 24, T25N, R3W
Rio Arriba Cnty., N.M.
Loc. Grnd. Elev. 7212

4356 / SW
(BILLY RICE
CANYON)

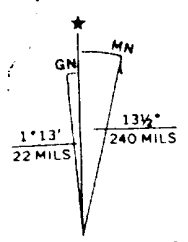
Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial
photographs taken 1952, 1958, and 1962 Field checked 1963

Polyconic projection 1927 North American datum
10,000 foot grid based on New Mexico coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 13, shown in blue

Fine red dashed lines indicate selected fence lines



UTM GRID AND 1963 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

