

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN **PLICATE***
(Other instructions on
reverse side)

30-039-24129
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEEN ☒

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAR
WELL ☐

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Reading & Bates Petroleum Co.

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 915'
1850' FSL & 990' FEL
At proposed prod. zone

same

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

3/4 mile west of Gavilan, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. 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

8200'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

E 320

20. ROTARY OR CABLE TOOLS

Rotary

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

7257
GR 7235'

22. APPROX. DATE WORK WILL START*

Dec. 15, 1986

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and appeal pursuant to 43 CFR 3165.4.

PROPOSED CASING AND CEMENTING PROGRAM DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | CONCRETE CEMENT |
|--------------|----------------|-----------------|---------------|---------------------|
| 12 1/4" | 9-5/8" | 36 | 350' | 512 cu. ft. |
| 7-7/8" | 5 1/2" | 17# & 15.5# | 8200' | 923 cu. ft. 3 stage |

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" Raduis Map of Location
"G" Drill Rig Layout
"H" Fracturing Profile
"I" Location Profile
"J" Production Equipment Layout

The gas from this well is not committed.

The E/2, Sec. 16 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 Pettib

TITLE

NW Division Manager

(This space for Federal or State office use)

PERMIT NO.

Hold C-104 for NSL

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

EMOCC

FOR

AREA MANAGER

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

| | | | | |
|--|---|------------------------------------|--|----------------|
| Operator READING & BATES PETROLEUM CO. | | Lease INGRAM FEDERAL 16 | | Well No. 43 |
| Section 16 | Township 25 N | Range 2 W | County Rio Arriba | |
| Actual Well Location of Well: | | | | |
| 2025 feet from the South line and | | 915 feet from the East line | | |
| Level elev. 7237 | Producing Formation Gallup-Mancos | Pool Cavilan Mancos | Dedicated Acreage: 320 Acres | |

Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 Commission.

RECEIVED

MAY 12 1987

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

NM 04083

Sec.

SF 081332

16

Ingram Fed.
43-16

915'

2025'

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

5-11-87

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.

Date Surveyed

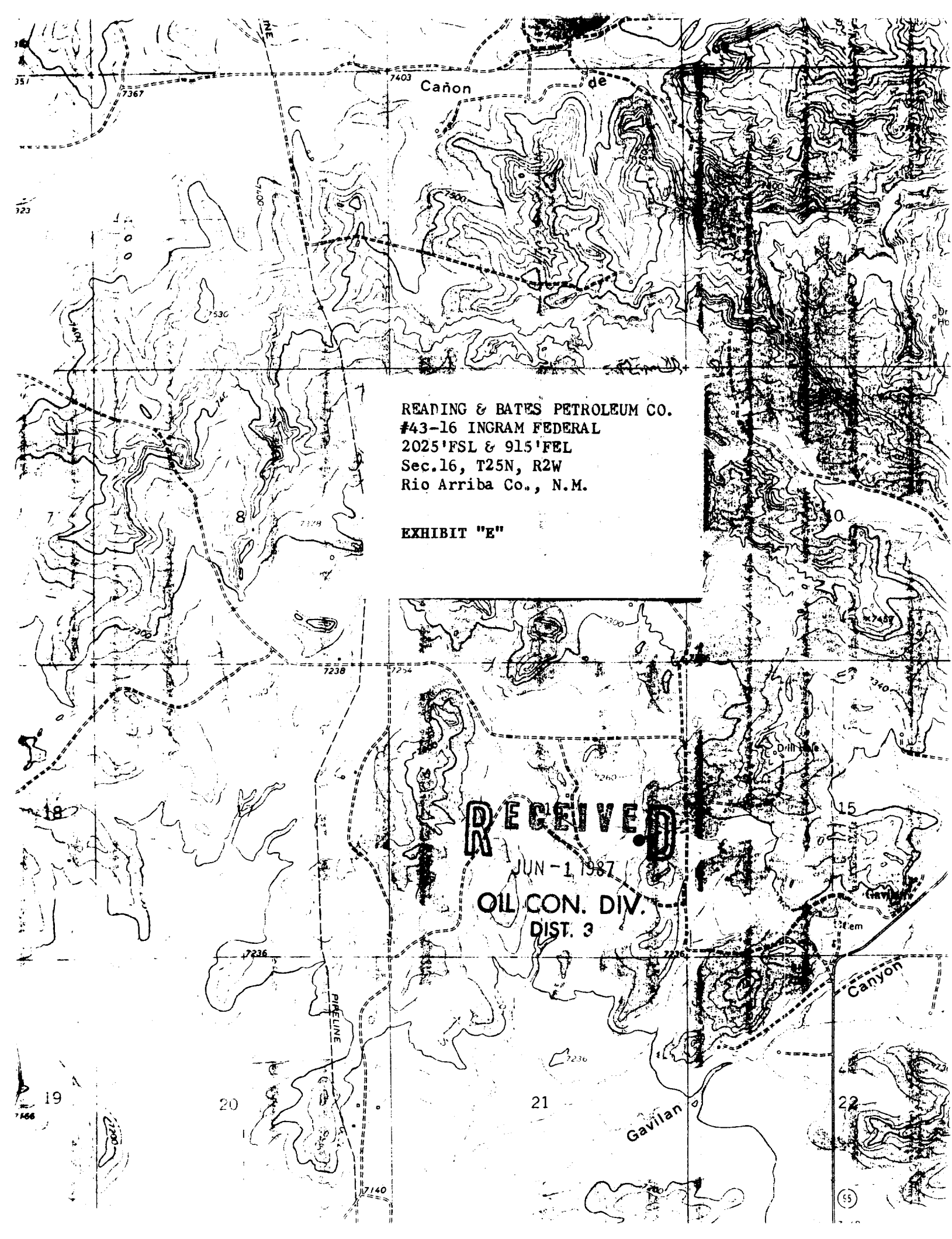
William E. Mahanke

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

8466

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



READING & BATES PETROLEUM CO.
#43-16 INGRAM FEDERAL
2025' FSL & 915' FEL
Sec. 16, T25N, R2W
Rio Arriba Co., N.M.

EXHIBIT "E"

RECEIVED

JUN - 1 1987

OIL CON. DIV.
DIST. 3