

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

Amoco Production Company

3. ADDRESS OF OPERATOR

2325 E. 30th Street, Farmington, NM 87401

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

At surface 880' FNL x 2280' FWL

At proposed prod. zone Same

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

Approximately 9 miles NE of Ojito

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

880'

16. NO. OF ACRES IN LEASE

320*

17. NO. OF ACRES ASSIGNED
TO THIS WELL

640/42

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

N/A

19. PROPOSED DEPTH

8287'

20. ROTARY OR CABLE TOOLS

Rotary

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

7195' GR

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

PROPOSED CASING AND CEMENTING PROGRAM

As soon as permitted

This action is subject to technical and
procedural review pursuant to 43 CFR 3160.3
and appeal pursuant to 43 CFR 3160.4

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT |
|--------------|----------------|-----------------|
| 12-1/4" | 9-5/8" | 36# J55 |
| 7-7/8" | 5-1/2" | 17# N80 |

SETTING DEPTH
300'
8287'
DV tool set
at 4000'

200 cf Class B 2% CaCl2
Stage 1: 800 cf 50:50 Class B,
2% gel, 10% salt, .6% FLA,
1/4% celluphane. Top of cement
600'. Stage 2: 600 cf Class H
10% caesal, tailed with 118 cf
Class B

* Lease description for Sec. 10: E/2 NW, SE/4
Sec. 3: E/2 SW

OIL CON. DIV.
DIST. 3

Amoco proposes to drill the above well to further develop the Gavilan Mancos Extension reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to TD with a low solids nondispersed mud system. Completion design will be based on open hole logs. Copy of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design. Upon completion, the well site will be cleaned and the reserve pit filled and leveled. The gas from this well is not dedicated at this time.

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

B. Shaw

TITLE Admin. Supervisor

DATE 10/21/87

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

P. O. BOX 2088

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

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

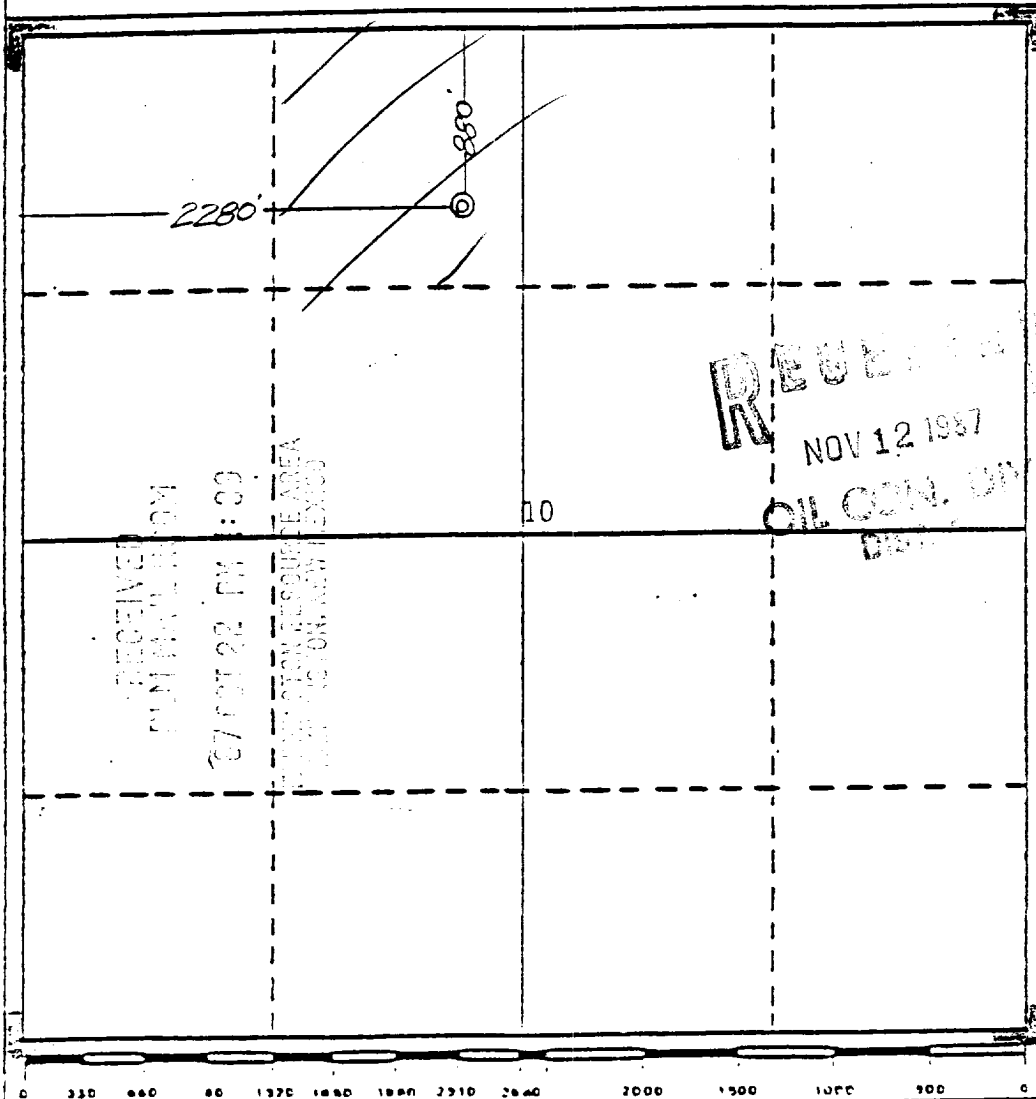
| | | | | |
|---|---|--|---|-----------------------------|
| Operator AMOCO PRODUCTION COMPANY | | Lease BEAR CANYON UNIT | | Well No. # 2 |
| Unit Letter C | Section 10 | Township 26 NORTH | Range 2 WEST | County RIO ARriba |
| Actual Footage Location of well 880 feet from the NORTH line and 2280 feet from the WEST line 6 | | | | |
| Ground Level Elev. 7195 | Producing Formation Mancos/Dakota | Pool WILD CAT Clayton and Gavilan Mancos | Dedicated Acreage Ext. 640/40 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 Unitization

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.



CERTIFICATION

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

Name
B. D. Shaw

Position
Administrative Supervisor

Company
Amoco Production Company

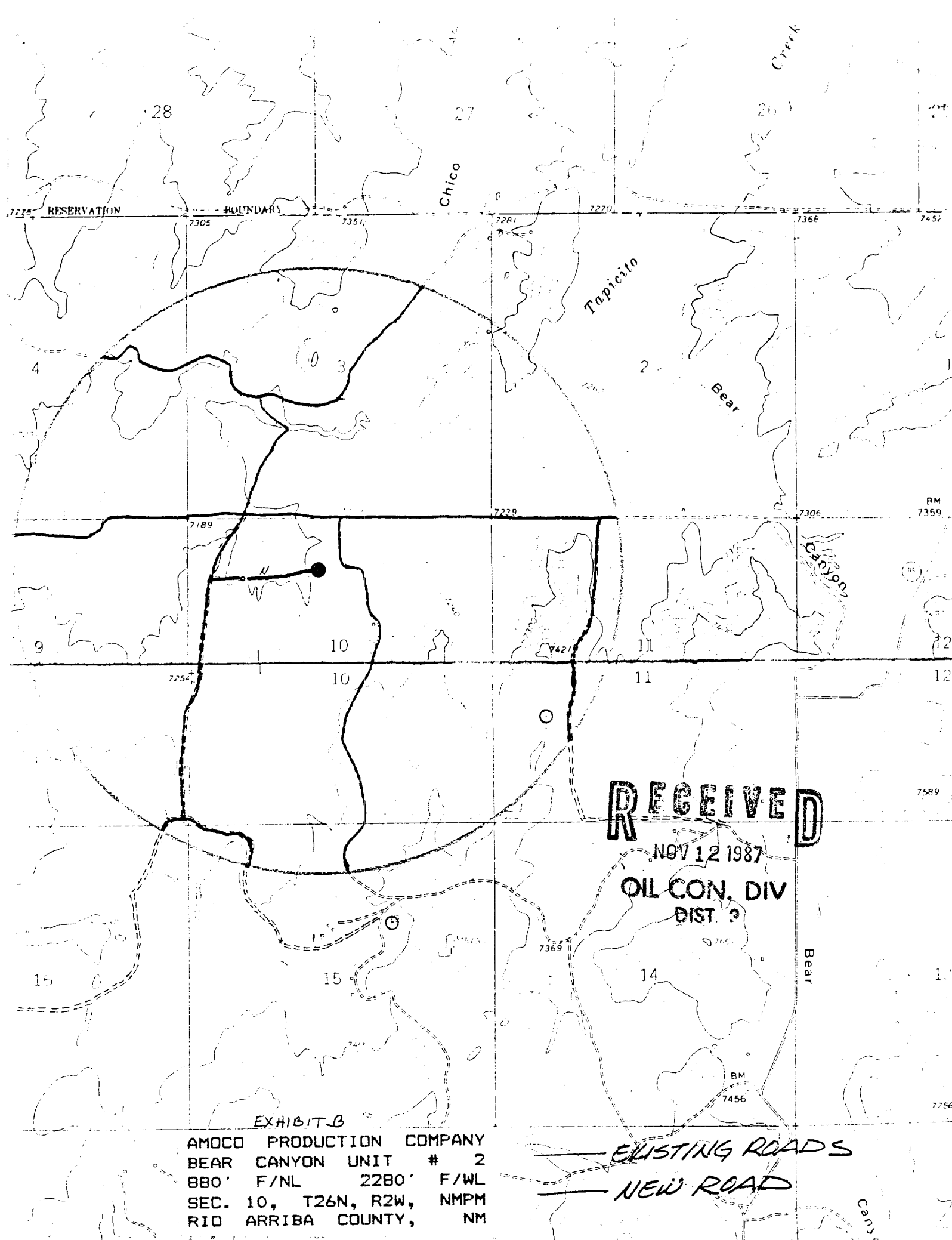
Date
October 20, 1987

I hereby certify that the 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
October 8, 1987

Registered Professional Engineer and/or Land Surveyor
Gary D. Vann

Certificate No.
7016



RECEIVED

NOV 12 1987

OIL CON. DIV
DIST. 3

EXHIBIT B

AMOCO PRODUCTION COMPANY
BEAR CANYON UNIT # 2
BBO' F/NL 2280' F/WL
SEC. 10, T26N, R2W, NMPM
RIO ARRIBA COUNTY, NM

EXISTING ROADS

NEW ROAD