

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

501 Airport Dr., Farmington, NM 87401

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

At surface 790' FSL x 2300' FWL

At proposed prod. zone

Same

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

25 miles NE of Counselors, NM

15. DISTANCE FROM PROPOSED*

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

790'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2000'

16. NO. OF ACRES IN LEASE

2560.00

19. PROPOSED DEPTH

4145'

17. NO. OF ACRES ASSIGNED

TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

7524' GL

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------|--|
| 12-1/4" | 8-5/8" | 24# K-55 | 300' | 372 cu. ft. Class B Neat |
| 7-7/8" | 4-1/2" | 10.5# K-55 | 4126' | 1330 cu. ft. Class B 65:35 POZ, 6% gel, 2# med tuf plug/sx, wt. ratio 10.9 gal/sx, and 0.8% FLA. |

Amoco proposes to drill the above well to further develop the Gavilan Pictured Cliffs reserves. 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. A copy of all logs will be filed upon completion. Additional information required by NTL-6 for the application to drill and a multi-point surface use plan are attached.

The gas from this well is dedicated to El Paso Natural Gas, Contract # 33107.

Application for an unorthodox location has been filed with the NMOCC in Santa Fe.

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. Original Signed By
D. H. SHOEMAKER

SIGNED

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

Hold C104 for NSL

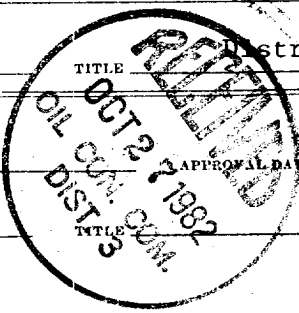
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TITLE

District Engineer

DATE

9-30-82

APPROVED
AS AMENDED

DATE OCT 26 1982

JAMES F. SIMS
DISTRICT ENGINEER

NMOCC

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

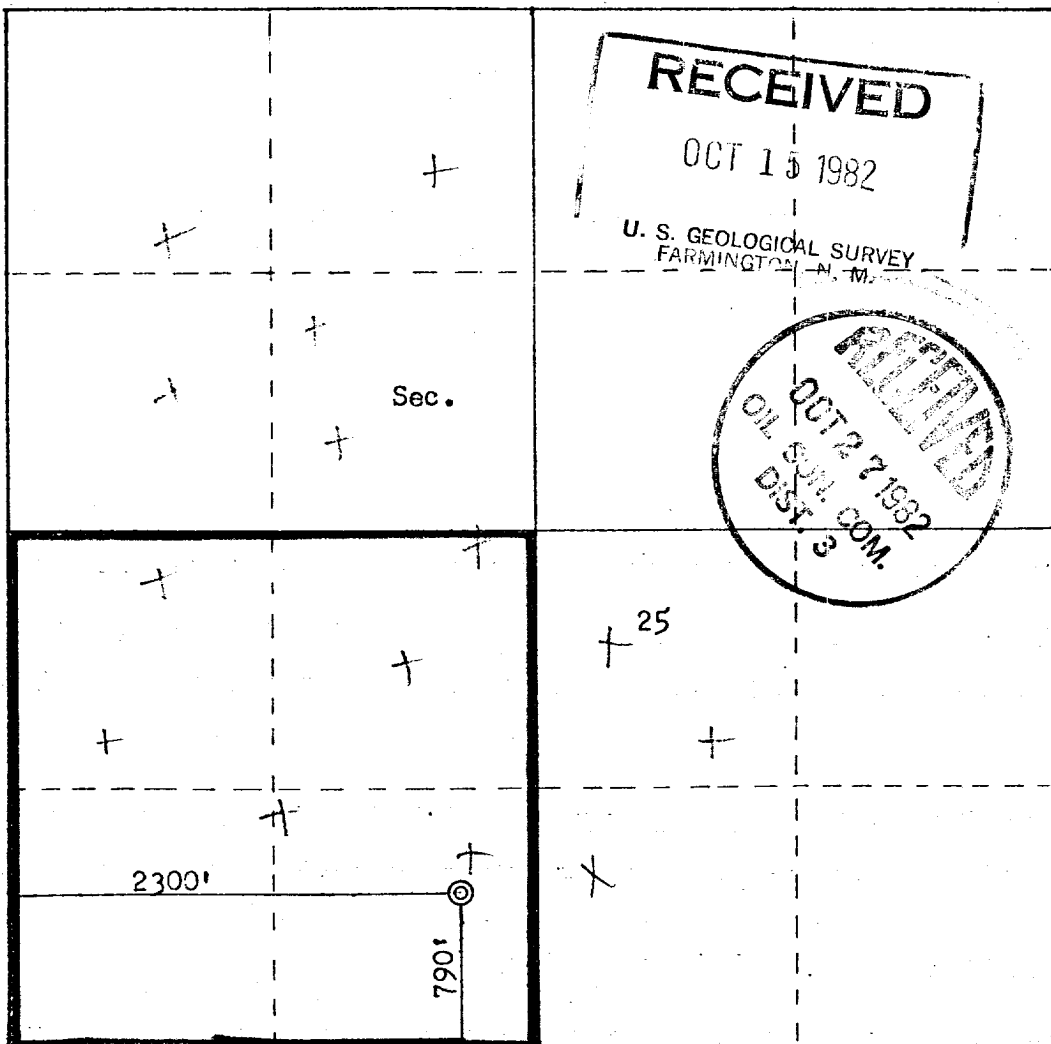
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|---|---|------------------------|---|-----------------------------|--|
| Operator AMOCO PRODUCTION COMPANY | | | Lease JICARILLA APACHE All8 | | Well No. 7 |
| Unit Letter N | Section 25 | Township 26N | Range 3W | County Rio Arriba | |
| Actual Footage Location of Well: 790 feet from the South line and 2300 feet from the West line | | | | | |
| Ground Level Elev. 7524 | Producing Formation Pictured Cliffs | | Pool Gavilan Pictured Cliffs Ext. | | Dedicated Acreage: 160 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 _____

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.



CERTIFICATION

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

Dale H. Shoemaker

Name
Dale H. Shoemaker
Position
District Engineer
Company
Amoco Production Company

Date
September 9, 1982

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
September 3, 1982

Registered Professional Engineer and Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No. **10001**

