

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 Drive, Farmington, NM 87401

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

At surface

970' FNL x 1110' FWL

At proposed prod. zone

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

15 miles northwest of Gavilan.

## 15. DISTANCE FROM PROPOSED\*

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

970'

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

200'

## 16. NO. OF ACRES IN LEASE

2567.94

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320 W 321.68

## 19. PROPOSED DEPTH

6392'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

DRILLING OPERATIONS AUTHORIZED ARE

7158' GL

SUBJECT TO COMPLIANCE WITH ATTACHED

PROPOSED CASING AND CEMENTING PROGRAM

GENERAL REQUIREMENTS

This action is subject to administrative  
appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24# K-55	300'	354 cu. ft. Class "B" w/2% CaCl2-circ
7-7/8"	4-1/2"	10.5# K-55	6392'	Stage 1 - 435 cu. ft. Class B w/50:50 POZ, 6% gel, 2# med tuf plug/sx, and 0.8% FLA. Tail in w/118 cu. ft. Class "B" Neat circ.

Amoco proposes to drill the above well to further develop the Blanco Mesaverde 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 non-dispersed mud system. Completion design will be based on open hole logs. Copies of all logs will be filed upon completion. Amoco's standard blowout prevention will be employed; see attached drawing for blowout preventer design.

Stage 2 - 820 cu. ft. Class "B" w/  
65:35 POZ, 6% gel, 2# med tuf plug/  
sx, and 0.8% FLA. Tail in w/118 cu  
ft. Class "B" neat circ.

DV Tool set at 4020'.

Upon completion the well location will be cleaned and the reserve pit filled and leveled.

Gas produced from this well is dedicated to Gas Company of New Mexico under Contract No. 4900

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 \_\_\_\_\_ TITLE District Engineer DATE March 25, 1983

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

APR 14 1983

JAMES F. SIMS  
DISTRICT ENGINEER

NMOC

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78

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

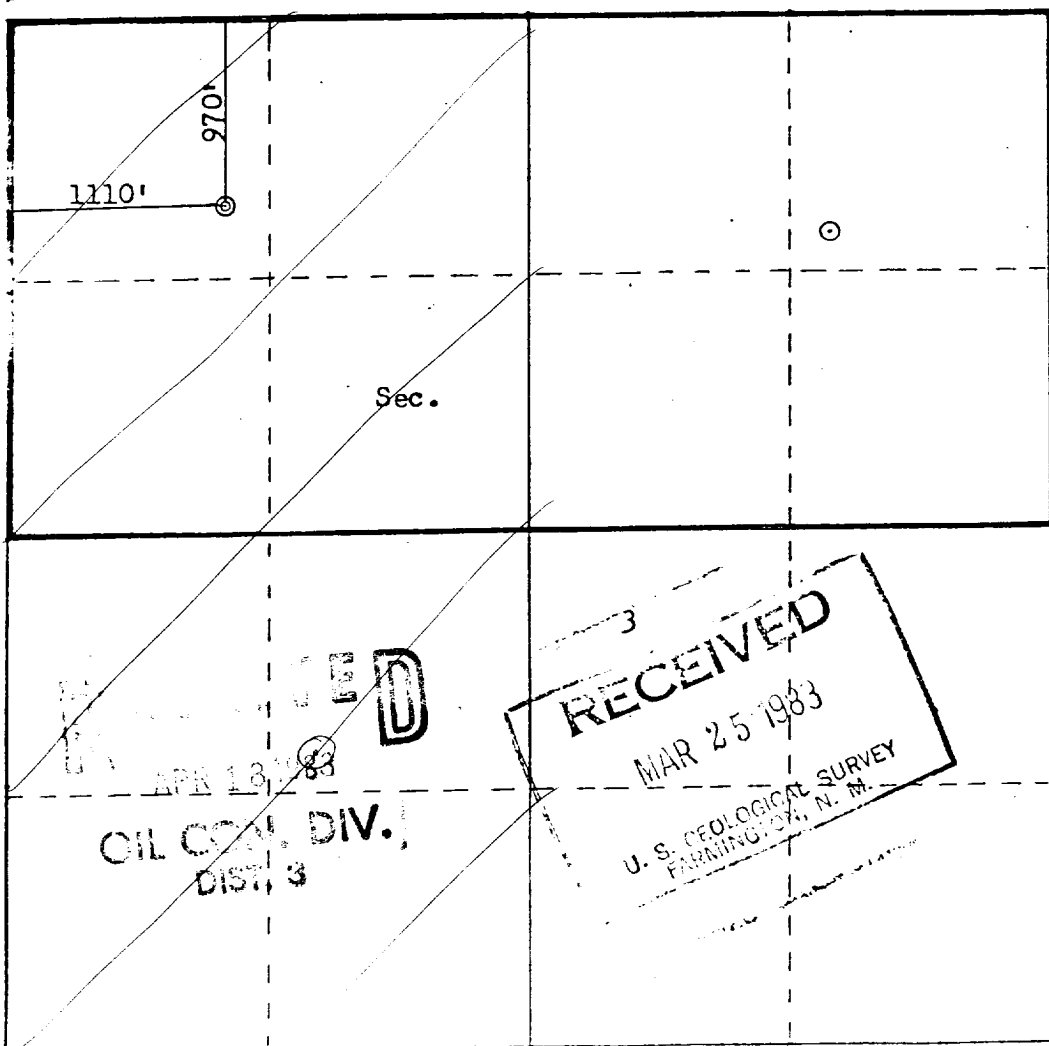
Operator: AMOCO PRODUCTION COMPANY		Lease JICARILLA APACHE 102		Well No. <del>22A</del> 64
Unit Letter D	Section 3	Township 26N	Range 4W	County Rio Arriba
Actual Footage Location of Well: 970 feet from the North line and 1110 feet from the West line				
Ground Level Elev: 7158	Producing Formation Mesa Verde	Pool Blanco Mesa Verde	Dedicated Acreage: W 321.68 <del>320</del> 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  
MARCH 18, 1983

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  
March 9, 1983

Registered Professional Engineer and Land Surveyor

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