

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY30-039-23197  
5. LEASE DESIGNATION AND SERIAL NO.

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## 2. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒OTHER ☐SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 3. NAME OF OPERATOR

Amoco Production Company

## 4. ADDRESS OF OPERATOR

501 Airport Dr., Farmington, NM 87401

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

At surface

1120' FSL x 790' FEL

At proposed prod. zone

Same

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

7. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

790'

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

200'

## 9. NO. OF ACRES IN LEASE

2567.94

## 10. PROPOSED DEPTH

6345'

11. NO. OF ACRES ASSIGNED  
TO THIS WELL

320 E 322.24

## 12. ROTARY OR CABLE TOOLS

Rotary

## 13. ELEVATIONS (Show whether DF, RT, GR, or)

6963' GL

## 14. APPROX. DATE WORK WILL START\*

As soon as permitted

15. DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS AND CEMENTING PROGRAM"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	6345'	Stage 1 - 420 cu ft class B w/50:50 poz, 6% gel, 2# med tuf plug/sx, & 0.8% FLA. Tail in w/118 cu ft class B neat - circ.
				Stage 2 - 810 cu ft class B w/65:35 poz, 6% gel, 2# med tuf plug/sx & 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 surface casing. The well will then be drilled to TD using a 10.5# K-55 mud system. Completion will be on open hole logs. Copies of logs will be furnished upon completion. Amoco's standard blowout prevention will be used. see attached drawing for BOP design.

DT tool set at 4000'.

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

Gas produced from this well is dedicated to Gas Co. of New Mexico under contract No. 49005.

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 prevention program, if any.

24.

SIGNED

TITLE

District Engineer

DATE

3-25-83

(This space for Federal or State office use)

APPROVED

APPROVAL DATE

APPROVED  
AS AMENDED

APPROVED

TITLE

DATE

APR 14 1983

James F. Sims  
District Engineer

NMGCC

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

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

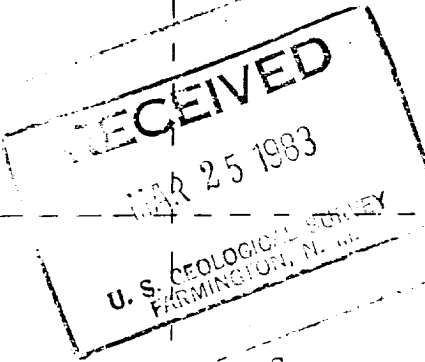
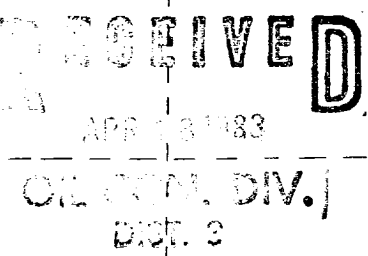
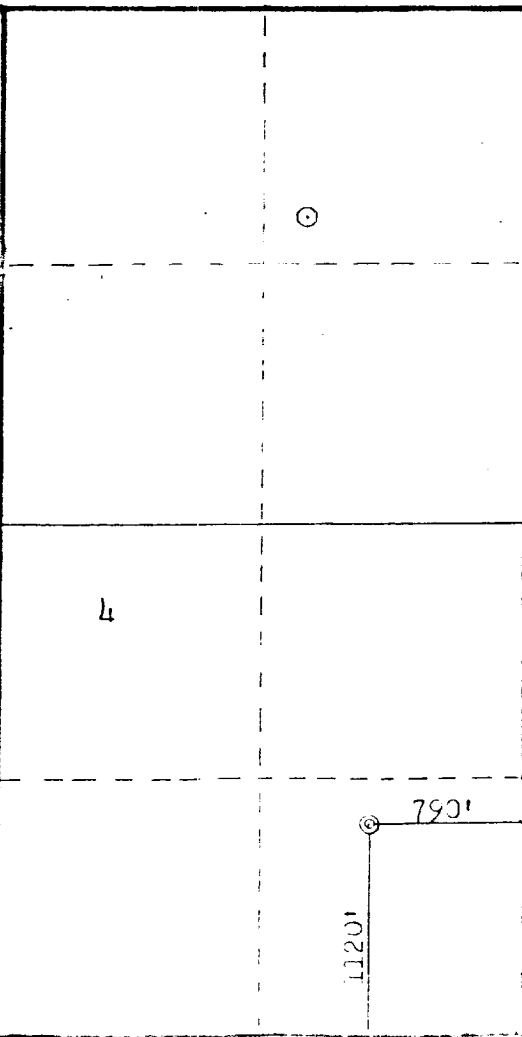
Operator AMOCO PRODUCTION COMPANY			Lease JICARILLA APACHE 102			Well No. 5A		
Unit Letter P	Section 4	Township 26N	Range 4W	County Rio Arriba				
Actual Footage Location of Well: 1120 feet from the South line and 790 feet from the East line								
Ground Level Elev. 6963		Producing Formation Mesa Verde		Pool Blanco Mesa Verde		Dedicated Acreage: E 322.24 320 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 \_\_\_\_\_

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.

 Sec.	
	

## CERTIFICATION

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

*Dale H. Swainder*

Name

DALE H. SWAINDER

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.

Certificate No.