

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 1120' FNL x 1080' FEL

At proposed prod. zone

Same

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

5 miles northwest of Gavilan.

## 15. DISTANCE FROM PROPOSED\*

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

1080'

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

700'

## 21. ELEVATIONS (Show whether DF, RT, GR, DR, DRILLING OPERATIONS AUTHORIZED ARE

6984' GL

SUBJECT TO COMPLIANCE WITH ATTACHED

"GENERAL REQUIREMENTS"

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/2"	8-5/8"	24# K-55	300'
7-7/8"	4-1/2"	10.5# K-55	6124'

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

As soon as permitted.

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

QUANTITY OF CEMENT

354 cu. ft. Class B w/2% CaCl<sub>2</sub> - cir

Stage 1 - 485 cu. ft. Class B w/50:5  
POZ, 6% gel, 2# med tuf plug/sx, an  
0.8% FLA. Tail in w/118 cu. ft.  
Class B neat - circ.

Stage 2 - 790 cu. ft. Class B w/65:3  
POZ, 6% gel, 2# med tuf plug/sx, an  
0.8% FLA. Tail in w/118 cu. ft.  
Class B neat - circ.

DV Tool 3760'.

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 a 12-1/2" hole. The well will then be drilled to TD with a 7-7/8" hole using a 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.

Upon completion the well location will be cleaned and the reserve 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 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

CONDITIONS OF APPROVAL, IF ANY

APPROVED  
AS AMENDED

APR 14 1983

JAMES F. SIMS  
DISTRICT ENGINEER

AMOCO

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102  
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. 8A
Unit Letter A	Section 3	Township 26N	Range 4W	County Rio Arriba	
Actual Footage Location of Well: 1120 feet from the North line and 1080 feet from the East line					
Ground Level Elev: 6984	Producing Formation Mesa Verde		Pool Blanco Mesa Verde		Dedicated Acreage: E21.14 320 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.	
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RECEIVED MAR 25 1983 U.S. GEOLOGICAL SURVEY WASHINGTON, D.C.	

## CERTIFICATION

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

*Dale H. Showmaker*

Name  
DALE H. SHOWMAKER

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

*Paul B. Kern*  
Paul B. Kern, Jr.  
Surveyor