

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, N.M. 87401

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

At surface

800' FSL x 2475' FWL

At proposed prod. zone Same

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

Approx. 19 miles South of Shiprock

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 800'

## 16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. Approx. 1/2 miles

## 19. PROPOSED DEPTH

6480'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

5749' GL

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

"GENERAL REQUIREMENTS"

PROPOSED CASING AND CEMENTING PROGRAM

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

As soon as permitted

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               |
|--------------|-------------------|-----------------|---------------|----------------------------------|
| 17-1/2"      | 13-3/8"-Conductor | 48# H-40        | 100'          | 150 sx C1 B 2% CaCl <sub>2</sub> |
| 11"          | 8-5/8"            | 24# K-55        | 1500'         | 500 sx C1 B 4% gel 50:50 poz     |
| 5-1/2"       | 7-7/8"            | 14-15.5# K-55   | 6480'         | 1200 sx C1 B 6% gel 50:50 poz    |

Amoco proposes to drill the above well to further develop the Pennsylvania "D" 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 dedicated to El Paso Natural Gas, under contract No. 60399.

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 Admin. Supervisor.

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

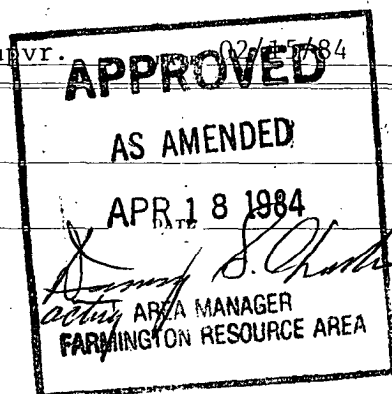
RECEIVED

APR 23 1984

OIL CON. DIV.

DIST. 3

NMOCC



## OIL CONSERVATION DIVISION

P. O. BOX 2088

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-71

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

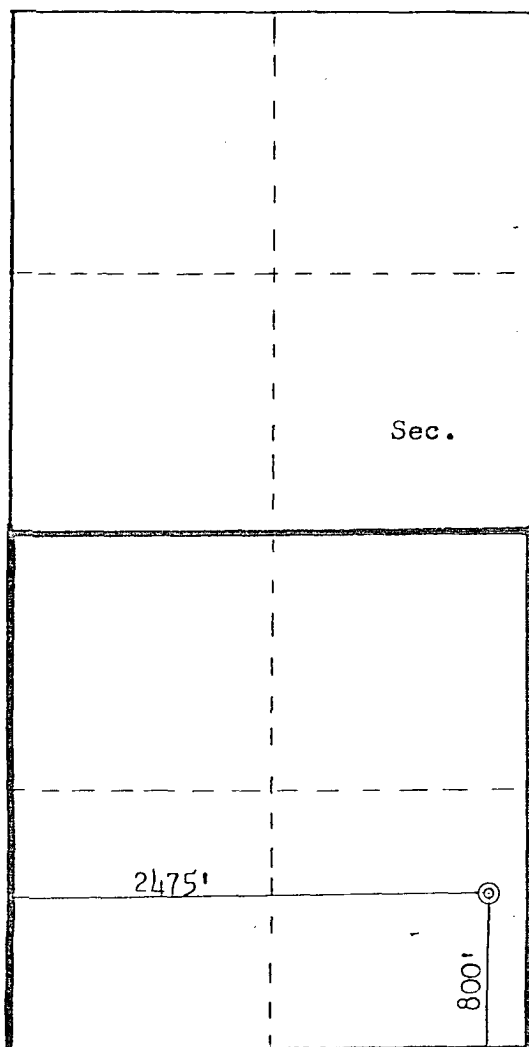
|   |  |                 |                                       |                    |                                 |
|---|--|-----------------|---------------------------------------|--------------------|---------------------------------|
| Operator<br>AMOCO PRODUCTION COMPANY  |  |                 | Lease<br>NAVAJO TRIBAL "U"            |                    | Well No.<br>29                  |
| Unit Letter<br>N  | Section<br>15                            | Township<br>26N | Range<br>18W                          | County<br>San Juan |                                 |
| Actual Footage Location of Well:<br>800 feet from the South line and 2475 feet from the West line |  |                 |                                       |                    |                                 |
| Ground Level Elev:<br>5749  | Producing Formation<br>Pennsylvanian "D" |                 | Pool<br>Tocito Dome Pennsylvanian "D" |                    | Dedicated Acreage:<br>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.

|   |      |   |
|---|------|---|
|  | Sec. | <b>RECEIVED</b><br>APR 23 1984<br>OIL CON. DIV.<br>DIST. 3                              |
|   |      | <b>RECEIVED</b><br>FEB 16 1984<br>BUREAU OF LAND MANAGEMENT<br>FARMINGTON RESOURCE AREA |

Scale: 1"=1000'

## CERTIFICATION

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

*Darrell D. Lawson*

Name  
Darrell D. Lawson  
Position  
District Adm. Supervisor  
Company  
Amoco Production Company

Date  
2-8-84

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  
January 30, 1984  
Registered Professional Engineer  
and Land Surveyor  
*Fred B. Kerr Jr.*  
Fred B. Kerr Jr.  
Certificate No. 3950