

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 Co.

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, N M 87401

4. LOCATION OF WELL (Report location clearly and in accordance with applicable requirements)
At surface 1840' FNL x 830' FWL
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
19 miles east of Counselors N.M.

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 830'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
500' East 7746'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6853' GR

23. "GENERAL REQUIREMENTS"
PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12-1/4" | 8-5/8" | 24#, J-55 | 300' | 354 c.f. Class B |
| 7-7/8" | 4-1/2" | 10.5#, K-55 | 7746' | 2648 c.f. Class B |

Amoco proposes to drill the above well to further develop the Basin Dakota 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 Northwest Pipeline Corp.

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

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. If blowout preventer program, if any.

24. SIGNED BD Shaw TITLE Adm. Supervisor DATE 5/1/85

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

dh7

NMOCC

*See Instructions On Reverse Side

5. LEASE DESIGNATION AND AERIAL NO.
Jicarilla Contract 148
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Jicarilla Apache
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Jicarilla Contract 148
9. WELL NO.
18Y
10. FIELD AND POOL, OR WILDCAT
Basin Dakota
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SW/NW Sec23, T25N, R5W
12. COUNTY OR PARISH
Rio Arriba
13. STATE
NM

17. NO. OF ACRES ASSIGNED TO THIS WELL
320
20. ROTARY OR CABLE TOOLS
Rotary
22. APPROX. DATE WORK WILL START
As soon as permitted

RECEIVED
MAY 22 1985

GEOL. CON. DIV.
DIST. 3

APPROVED
AS AMENDED

MAY 20 1985
(SGD.) MAT MILLENBACH
M. MILLENBACH
AREA MANAGER

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

| | | | | |
|---|--------------------------------------|--|--|-----------------------------|
| Operator AMOCO PRODUCTION COMPANY | | Lease JICARILLA CONTRACT 148 | | Well No. 18Y |
| Unit Letter E | Section 23 | Township 25N | Range 5W | County Rio Arriba |
| Actual Footage Location of Well: 1840 feet from the North line and 830 feet from the West line | | | | |
| Ground Level Elev. 6853 | Producing Formation Dakota | Pool Basin Dakota | Dedicated Acreage: 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.

| | | | |
|--|--|---|--|
| | | <p>23</p> | |
| <p>RECEIVED MAY 22 1985 OIL CON. DIV. DIST. 3</p> | | <p>RECEIVED MAY 02 1985 BUREAU OF LAND MANAGEMENT HARMINGTON RESOURCE AREA</p> | |

CERTIFICATION

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

B D Shaw

Name
B. D. Shaw

Position
Adm. Supervisor

Company
Amoco Production Co.

Date
5/1/85

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 21, 1985

Registered Professional Engineer and Land Surveyor of New Mexico
Fred B. Kerr, Jr.

Certificate No.
2950

Scale: 1"=1000'

