

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-039-23187

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, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with instructions.)

At surface

910' FNL x 790' FEL

At proposed prod. zone

Same

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

11 miles east of Counselors, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

790'

18. DISTANCE FROM PROPOSED LOCATION*

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

5200'

16. NO. OF ACRES IN LEASE

2071.00

17. NO. OF ACRES ASSIGNED

TO THIS WELL

160/40

19. PROPOSED DEPTH

7785'

20. ROTARY OR CABLE TOOLS

Rotary

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

7447' GL

22. APPROX. DATE WORK WILL START*

As soon as permitted.

23. PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to administrative
disposal pursuant to 30 CFR 250.
QUANTITY OF CEMENT

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|---|
| 12-1/4" | 8-5/8" | 24# K-55 | 300' | 372 cu. ft. Class B neat |
| 7-7/8" | 5-1/2" | 15.5# K-55 | 7785' | Stage 1: 308 cu. ft. Class B 50:50 POZ, 6% gel, 2# med tuf plug/sx, and 0.8% fluid loss additive; 236 cu ft Class B neat tail in. |

Amoco proposes to drill the above well to further develop the Chacon Dakota/Undes. Gallup reservoirs. 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.

The gas produced from this well has not been dedicated.

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 3/18/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDEDMAR 28 1983
JAMES F. SIMS
DISTRICT ENGINEER

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 TRIBAL 396 | | Well No. 4 |
| Unit Letter A | Section 17 | Township 23N | Range 3W | County Rio Arriba | |
| Actual Footage Location of Well: 910 feet from the North line and 790 feet from the East line | | | | | |
| Ground Level Elev: 7447 | Producing Formation DAKOTA | | Pool CHACON DAKOTA Ext. | Dedicated Acreage: 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.

| | |
|---|--|
| <div style="text-align: center;">Sec.</div> | <div style="text-align: right;">910'</div> <div style="text-align: right;">790'</div> <div style="text-align: center;">D</div> <div style="text-align: center;">DIV.</div> |
| | <div style="text-align: center;">17</div> <div style="text-align: center;">RECEIVED</div> <div style="text-align: center;">MAR 21 1983</div> <div style="text-align: center;">U. S. GEOLOGICAL SURVEY</div> <div style="text-align: center;">FARMINGTON, N. M.</div> |

CERTIFICATION

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

Name
DALE H. SHAWAKER
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
November 12, 1982
Registered Professional Engineer and Land Surveyor
Fred B. Kerr Jr.
Certificate No. _____

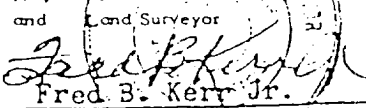
P. O. BOX 2044

Form C-107
Revised 10-1-78

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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

| | |
|--|--|
| <p align="center">CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p align="center">Original Signed By D. H. SHOEMAKER</p> | |
| Name | DALE H. SHOEMAKER |
| Position | DISTRICT ENGINEER |
| Company | AMOCO PRODUCTION COMPANY |
| Date | MARCH 18, 1983 |
| <p><i>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.</i></p> | |
| Date Surveyed | November 12, 1982 |
| Registered Professional Engineer and Land Surveyor |  Fred B. Kerr Jr. |
| Certificate No. | 1186 |