

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-21213

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 any State requirements.)*

At surface

1980' FSL & 1980' FEL, Unit "J"

At proposed prod. zone

Same

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

30 miles south of Shiprock, New Mexico

15. DISTANCE FROM PROPOSED*

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

3300'

16. NO. OF ACRES IN LEASE

2544.50

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

1500'

19. PROPOSED DEPTH

6475'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

5780' ungraded CL

22. APPROX. DATE WORK WILL START*

February 1973

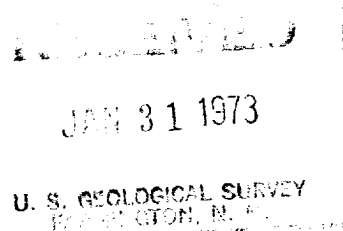
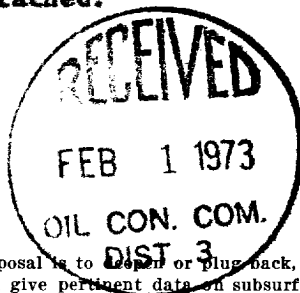
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/4"	13-3/8"	61#	100'	100 sx
12-1/4"	9-5/8"	36#	1500'	500 sx
8-3/4"	7"	23#	6475'	250 sx

Well to be drilled through Morrison water zones and 9-5/8" intermediate casing set. Well will then be drilled through the Pennsylvanian "D" and completion designed from open hole logs.

Copy of Location Plat is attached.



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

J. R. ...

TITLE

Area Engineer

DATE

January 31, 1973

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

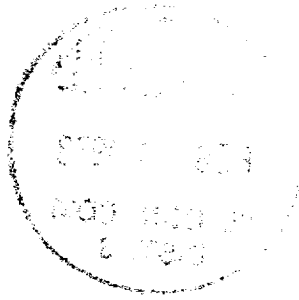
Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.



WELL DEDICATION STATEMENT

All dedications shall be made to the following:

Operator: 71-100 PRODUCTION COMPANY

County: Section 16 Township 20 North Range 10 East

Actual Location of Well: 1 mile feet from the South line of Section 16

Ground Level: Producing Formation

Oil and Gas Pennsylvanian "D"

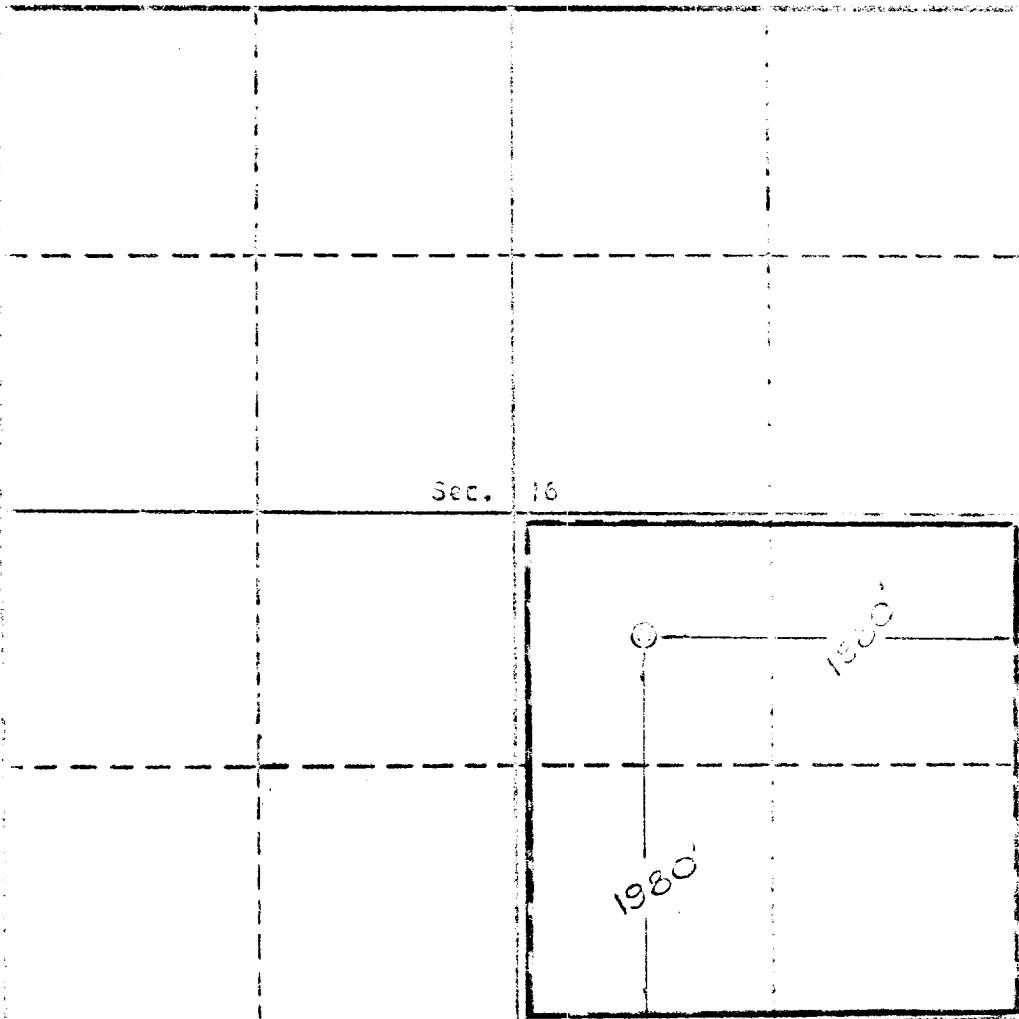
1. Outline the acreage dedicated to the subject well by community, unitization, force-pooling, etc. (if more than one lease is dedicated to the well, outline each with acreage, interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by community, 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 consolidated (also attach map if necessary):

No allowable will be assigned to the well until all interests have been consolidated (by community, unitization, force-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.



Scale, 1 inch = 1,000 feet

CERTIFICATE OF DEDICATION

I, James H. [Signature], Secretary of the 71-100 PRODUCTION COMPANY, do hereby certify that the above described well is located on the land described in the foregoing statement and that the same is dedicated to the use of the land described in the foregoing statement.

Witness my hand and seal this 1st day of February, 1973.

James H. [Signature]
Secretary

[Signature]
Registered Professional Engineer
and/or Land Surveyor

Certificate No. 1000

E. V. [Signature]