

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY(Other Instruct  
reverse side)

## 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

PETROLEUM DEVELOPMENT CORPORATION

## 3. ADDRESS OF OPERATOR

9720 B Candelaria, NE, Albuquerque, NM 87112

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

At surface

660' from the east line, 1980' from the north line, Sec. 33, T18S, R32E

At proposed prod. zone

Same

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

11 miles south of Maljamar, New Mexico

## 16. DISTANCE FROM PROPOSED\*

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

660'

## 16. NO. OF ACRES IN LEASE

160

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

1320'

## 19. PROPOSED DEPTH

13,100'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

NEW 320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3698 G. L.

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

April 20, 1979

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
28"	20"	conductor	40'	5 yds. concrete
17½"	13-3/8 or 12¼"	48#	400'	450 sx. <b>CIRCULATE</b>
11"	8-5/8"	24#	4200'	1450 sx. (2-stage) <b>CIRCULATE</b>
7-7/8"	4½"	11.6#	13,100'	700 sx.

Set 13-3/8" casing at approximately 400'; circulate cement to surface. WOC 8 hrs. Test BOP and surface casing to 500# for 30 min. before drilling out. Drill 11" hole to approximately 4200'; set and cement 8-5/8" intermediate casing. WOC 12 hrs. Test 8-5/8" casing and BOP to 2000#.

Drill 7-7/8" hole to 13,100', testing all significant shows of oil or gas.

Set 4-1/2" casing at approximately 13,100'. See attached mud program.

Complete by jet perforating indicated pay intervals and acidizing or fracturing, as need is indicated.

A 1500-series BOP and Hydrill with remote controls will be used. A rotating drilling head, PVT and flow sensors will be used for drilling Wolfcamp and below.

See attached preventer layout, Exhibit "D".

See attached supplemental multi-point drilling plan; mud program Exhibit "E".

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

*Lloyd G. Wayne*  
Lloyd G. Wayne

TITLE Vice President

DATE 3-23-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDEDAPR 23 1979  
*James F. Sims*  
JAMES F. SIMS  
DISTRICT ENGINEER

\*See Instructions On Reverse Side

OIL CONSERVATION COMM.  
HOBBS, N. M.  
MAY - 1979

RECEIVED