

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIP* DATE*
(Other instructions
reverse side)Form approved.
Budget Bureau No. 42-R1425.

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 ☐

2. NAME OF OPERATOR
PETROLEUM DEVELOPMENT CORPORATION

3. ADDRESS OF OPERATOR
9720 B Candelaria, NE, Albuquerque, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1980' from the East Line, 1980' from the North line; Sec. 10, T19S, 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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
1980'

16. NO. OF ACRES IN LEASE
640

17. NO. OF ACRES ASSIGNED TO THIS WELL
320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1575'

19. PROPOSED DEPTH
13,100'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3661 G. L.

22. APPROX. DATE WORK WILL START*
February 20, 1978

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
17-1/2"	13-3/8"	54.5#	440'	450 sx.
11"	8-5/8"	32# & 24#	4300'	2100 c.f.
7-7/8"	5 1/2" or 4 1/2"	17# or 11.6#	13,100'	700 sx. WHILE DRILLING AND TESTING.

Set 13-3/8" casing at approximately 440; 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 4300'; set and cement 8-5/8" intermed. casing, bringing top of cement at least back to base of surface casing. WOC 12 hrs. Test 8-5/8" casing and BOP to 3000#.

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

Set production 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 supplemental multi-point drilling plan; mud program, Exhibit "E". See attached preventer layout, Exhibit D

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 Charles P. Anderson TITLE Vice President DATE 1/20/78

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY: _____

SEE ATTACHED FOR CONDITIONS OF APPROVAL

APPROVED AS AMENDED
FEB 21 1978
ARTHUR R. BROWN
DISTRICT ENGINEER

Unless Drilling Operations have been suspended, this drilling approval is valid for 90 days.
5-21-78

See Instructions On Reverse Side

RECEIVED

FEB 28 1978

OIL CONSERVATION COMM.
HOBBS, N. M.