

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SEP 23 1977

30-015-22305

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, New Mexico 87112

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface660' from the south line, 1980' from the east line,
Same. Sec. 5, T24S, R26E.

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

15 miles south of Carlsbac, New Mexico

15. DISTANCE FROM PROPOSED*

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

660'

16. NO. OF ACRES IN LEASE

514

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.

None

19. PROPOSED DEPTH

12,000

20. ROTARY OR CABLE TOOLS

Rotary

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

3507 GL

22. APPROX. DATE WORK WILL START*

Sept. 15, 1977

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"	48#	450'	450 sx.
11"	8-5/8"	32#, 24#	5500'	2200 C.F.
7-7/8"	5 1/2"	17# & 20#	12,000'	250 sx.

Set 13-3/8" casing at approximately 450', 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 5500'; set and cement 8-5/8" intermed. casing. WOC 12 hrs. Test 8-5/8" casing and BOP to 3000#. 8-5/8" casing will be cemented to surface.

Drill 7-7/8" hole to 12,000', testing all significant shows of oil or gas.

Set 5-1/2" casing at approximately 12,000'. See attached mud program.

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

A 1500-series BOP and Hydril 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

Charles W. Sanders

TITLE

Vice President

DATE

8/16/77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS
EXPIRES
SEP 22 1977
See Instructions On Reverse Side