

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐ RE-ENTER & 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' FN & WL

At proposed prod. zone

Same

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

13 miles South of Maljamar, NM

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 660'

18. DISTANCE FROM PROPOSED LOCATION*

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

None

16. NO. OF ACRES IN LEASE

320, including 40
acres, state #LG3180

19. PROPOSED DEPTH

12800

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

3540 GL

22. APPROX. DATE WORK WILL START*

Nov. 20, 1979

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	48#	563	750 (already set)
11"	8-5/8"	32#	4020	450 (already set)
7-7/8"	4 1/2"	11.6#	12,800'	700 sx.

Originally drilled to 11,500' (D & A) as Coastal States Gas Production Co. - Sweeney Federal A #1. Propose to re-enter and deepen to Morrow as follows: with brine, drill cement plugs at surface, 600', 1000' and 2372'. Clean out inside top of 8-5/8" casing-cut at 2379'. Dress top of 8-5/8" casing with mill. Run new 24# J-55 8-5/8" casing w/latch-seal bowl, cement casing back to surface, latch on to top of 8-5/8" @ 2379. Pressure test to 2000 psi after drilling plug, squeeze cement if necessary. Drill cement plugs at 4070', 5300', 7000', 8500', 9800' and 11150 feet. Drill 7-7/8" hole to 12,800'; testing all significant shows of oil or gas. Set 4 1/2" casing at 12,800', complete by jet perforating indicated pay intervals and acidizing or fracturing, as need is indicated.

A 1500-series BOP and Hydril w/remote controls will be used after intermediate casing tie-in has been made. A rotating drilling head, PVT and flow sensors will be used for drilling below 11,500':

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 10-29-79

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE 11-2-79

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NOTE: Gas from this well is dedicated to Llano, Inc.

*See Instructions On Reverse Side