

OIL CONS. COMMISSION
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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
HANAGAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
P.O. Box 1737
Roswell, New Mexico 88202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 330' FSL, 1650' FEL
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
10 Miles Northwest of Carlsbad, New Mexico

10. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any) 330'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 8000'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3479.2' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.0#	1700'±	900 sx (Circ)
7-7/8"	5-1/2"	15.5#	3000'±	300 sx

Propose to drill to about 3000' to test Cherry Canyon Member of the Delaware Formation.

Set 8-5/8" Casing to 1700'± to protect any surface water. Circulate cement to surface.

If commercial production is indicated, 5-1/2" production casing will be cemented to adequately isolate the oil zone from other porosity zones. The casing will be selectively perforated and the formation will be stimulated to enhance production. Run tubing to producing zone and test to tanks.

See attached "Supplemental Drilling Data".

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 Jerry W. Long TITLE Agent DATE August 17, 1989
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE
APPROVED BY AREA MANAGER
CONDITIONS OF APPROVAL, IF ANY: TITLE CARLSBAD RESOURCE AREA DATE 9-12-89

*See Instructions On Reverse Side