

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 88201 O. C. C. ARTESIA, OFFICE

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

At surface 1980' FNL and 660' FEL of Sec. 11

At proposed prod. zone

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

Approx. 7 miles southwest Carlsbad, New Mexico

15. 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

2520

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

11,800

20. ROTARY OR CABLE TOOLS

Rotary

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

3724' GR

22. APPROX. DATE WORK WILL START\*

12/27/72

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20	16	42.05	100	Circ.
12 1/4	9 5/8	32.3 & 36	2500	Circ.
8 3/4	5 1/2	17	11800	350 sx.

Blowout equipment: Shaffer 10' X 900 Series Hydraulic BOP and 10" X 900 Series Hydril - Drill with fresh water and native mud 0 to 9400', from 9400' to total depth with fresh water low solids mud 35-45 Vis., 8.8 to 9.5 wt., 10-20 CC W.L.

DEC 26 1972  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

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 Hugh C. Hanagan TITLE Vice President DATE 12/22/72  
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

DEC 27 1972

APPROVED BY

DISTRICT ENGINEER

DEC 27 1972

CONDITIONS OF APPROVAL, IF ANY

TITLE

DATE

DECLARED WATER BASIN

NOTIFY DECS IN SUFFICIENT TIME TO

CASING

EXP. DATE 3-27-73  
IF OPERATIONS COMMENCED WITHIN 3 MONTHS.

CASE MUST BE CIRCULATED

\*See Instructions On Reverse Side