

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
Re-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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 1980' FNL & 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 of Carlsbad, New Mexico

15. 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

2520

19. PROPOSED DEPTH

Clean out TD 11570

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

3724 GR

22. APPROX. DATE WORK WILL START\*

7/30/73

23. Present ~~XXXXXXXXXX CASING XXXXXXXXXXXX XXXXXXXX~~

| 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       | 2430          | Circ.              |
| 8-3/4 & 7-7/8 |                |                 |               |                    |

Formerly Hanagan Petroleum Corporation #1 Sheep Draw, P&A 3/5/73.  
Plan to move in rotary rig and drill out cement plugs to old total depth of 11570',  
run 5 1/2" casing to total depth and from approx. PBTD 11550', perforate the lower Morrow  
and attempt to complete as a Morrow gas well. Blowout preventor and hydril will be  
used (10" - 1500 Series) when drilling out cement plugs @ 10950-11050, 9800-9900,  
8500-8600, 6400-6500, 4900-5000 and 2380-2480 (in and out of 9-5/8" csg.)

Change Lease name from Sheep Draw

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 E. Hanagan

TITLE

Vice-President

DATE

7/26/73

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

JUL 27 1973

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DISTRICT ENGINEER

DATE

JUL 27 1973