

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRI  
(Other instruct: reverse side)Form approved.  
Budget Bureau No. 42-R1425.

## 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

Box 1737, Roswell, New Mexico 88201

JUN 5 1973

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

At surface

1650' FNL &amp; 1980' FWL

O. C. C.

ARTESIA, OFFICE

At proposed prod. zone

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

5 miles west of Carlsbad, N.M.

## 16. DISTANCE FROM PROPOSED\*

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

1650'

## 18. NO. OF ACRES IN LEASE

1560 Ac. Unit

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

640

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

1 mile

## 19. PROPOSED DEPTH

10,900'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3635' GR, 3651' KB

## 22. APPROX. DATE WORK WILL START\*

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 17½          | 13-3/8         | 65#             | 247'          | Circ.              |
| 12½ & 11     | 8-5/8          | 24#             | 2080'         | Circ.              |

- 5/26/73: Spud 8:30 AM, 5/26/73. Moranco contractor. 5/26/73 TD 2475' 17½" hole, ran 7 jts. 13-3/8" 65# casing set @ 247' w/250 sx Class C + 2% CaCl. Plug down 10:30 PM 5/26/73. Cement circulated. 1.42 slurry vol. cu. ft./sx, 750° temp, slurry mixed, est. fm. temp. @ 760°, compressive strength 565#. Drlg plug 11:00 AM 5/27/73. WOC 12 hrs. Press. up 600# for 30 mins., no press drop.
- 5/30/73: TD 2080', 12½ & 11" hole, ran 65 jts. 8-5/8" 24# ST&C (2089') set @ 2080', cem. w/750 sx Howco light 1/4# Flocel 5# gilsonite, 2% CaCl. + 150 sx Class C 1/4# Flocel 2% CaCl. Plug down 6:15 AM 5/30/73. Cement circulated. WOC 18 hrs. 5/31/73. Drlg plug @ 1:15 AM 5/31/73. Press. up w/1000# for 30 mins., no press. drop.

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 W. B. SouthernlandTITLE AgentDATE 5/31/73

(This space for Federal or State office use)

## PERMIT NO.

## APPROVAL DATE

JUN 1 1973

APPROVED BY [Signature]  
CONDITIONS OF APPROVAL, IF ANY:TITLE DISTRICT ENGINEER

\*See Instructions On Reverse Side