

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-039-21359

## 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

Caulkins Oil Company

## 3. ADDRESS OF OPERATOR

P.O. Box 700, Farmington, New Mexico 87401

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

At surface

1700 from the South and 1740 from the East

At proposed prod. zone

Same

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

35 miles Southeast of Blanco, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1700

## 16. NO. OF ACRES IN LEASE

2400

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160 each ✓

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

3600

## 19. PROPOSED DEPTH

4150

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6712 Gr.

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

June 9, 1977

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4"	5 5/8"	24	120	Sufficient to circulate
7 7/8"	4 1/2"	10.5	4150	450 Sacks

Surface formation San Jose. No abnormal pressure or temperature anticipated.

It is proposed to drill well to 4050' using gel based 9% mud. Float will be run in drill pipe at bit. 23 Ind. and Density Logs will be run in open hole.

Now 1 1/2" 10.5/ H-40 casing will be cemented at TD with 350 sacks 50-50 pos cement containing 12% oil per sack followed by 100 sacks Heat cement. Casing will have rotating scratchers and centralizers thru Pictured Cliffs and Chacra.

Sinker Model "R" production packer will be run on 1 1/4" J 1.3% tubing. Tubing will be set at top of Chacra Zone with packer below Pictured Cliffs perforation.

Now 1" NU 10 rd thd. V-55 tubing will be run to top of Pictured Cliffs perforation.

Pictured Cliffs and Chacra Zones will be sand frac'd to stimulate prod.

A Shaffer 2" Model IMP, 6000# test, 3000# WP Blowout preventor will be in use at all times while drilling below 120'. Blowout preventor will be tested at least once during each 24 hours day.

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 preventor program, if any.

## 24.

SIGNED

*Charles E. Vignier*

TITLE

Superintendent

DATE

March 17, 1977

(This space for Federal or State office use)

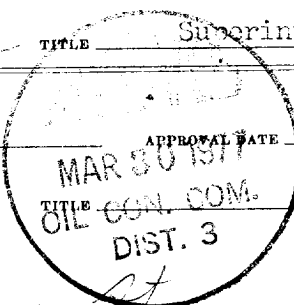
PERMIT NO.

APPROVAL DATE

APPROVED BY

DATE

CONDITIONS OF APPROVAL, IF ANY:



\*See Instructions On Reverse Side