

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

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

1450 from the North and 700 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 drilg. unit line, if any)

700

16. NO. OF ACRES IN LEASE

2400

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

3520

19. PROPOSED DEPTH

4250

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160 each ✓

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

June 2, 1977

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4	8 5/8	24	120	Sufficient to circulate
7 7/8	4 1/2	10.5	4250	450 Sacks

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

It is proposed to drill well to 4250' using gel based 9# mud. Float will be run in drill pipe. 13 Ind. and Density logs will be run in open hole.

12 1/2" 10.5# H-40 casing will be cemented at TD with 350 sacks 50-60 nos cement containing 3% gel per sack followed by 100 sacks neat cement. Casing will have rotating scratchers and centralizers thru Pictured Cliffs and Chacra.

Packer Model "B" production packer will be run on 1 1/4" 12.37 tubing. Tubing will be set in top of Chacra zone with packer below Pictured Cliffs perforation.

1" NU 10 rd thl. V-25 tubing will be run to top of Pictured Cliffs perforation.

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

A Chaffor "C" Model HNP, 6000/ test, 3000/ WP Blowout preventer will be in use at all times while drilling below 120'. Blowout preventer will be tested at least once during each 24 hour days.

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

Richard E. Lugo

TITLE

Superintendent

DATE

March 17, 1977

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: