

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 Recomplete

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☒

## 2. NAME OF OPERATOR

Caulkins Oil Company

## 3. ADDRESS OF OPERATOR

Post Office Box 780, Farmington, New Mexico

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

At surface

660' from the South and 660' from the West

At proposed prod. zone

Same

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

30 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)

660'

## 16. NO. OF ACRES IN LEASE

2240

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.

1415

## 19. PROPOSED DEPTH

## 20. ROTARY OR CABLE TOOLS

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

6484 Gr.

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

May 1, 1978

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
|              |                |                 |               |                    |
|              |                |                 |               |                    |
|              |                |                 |               |                    |

## Present Condition:

TD 6736'. 7 5/8" 26# J-55 Smls Casing cemented at 6674' with 175 sacks.  
Temperature survey cement top at 5580'. 5 1/2" 15.5# J-55 liner cemented  
6587 to 6735 with 25 sacks. Liner perforated 6 holes per foot 6673 to 6690.

Abandoned as Tocito Injection well May 1965.

It is now proposed to plug back and recomplete well in Pictured Cliffs,  
Chacra and Mesa Verde Zones.

Cement plug will be spotted over perforations and up in 7 5/8" csg. to  
6400'. 9# gel based mud will be spotted in 7 5/8" casing 6400 to 5700'.  
100' cement plug will be spotted 5700 to 5600'.

7 5/8" casing will be perforated at approx. 5550', then cemented 5550 to  
above top of Alamo Sand at 2345' by circulating and squeezing.

Mesa Verde, Chacra and Pictured Cliffs zones will be perforated and sand-  
water frac'd to stimulate production. (over)

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

*Charles E. Vengue*

TITLE

Superintendent

DATE 3-15-78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

A pit 20' X 20' X 4' on existing location will be required for containing frac water while completing and testing.

Blowout preventor will be used while plugging back, cementing and completing.

After completion pit will be covered and location reseeded to within 5' of all facilities with BLM approved seeding program.

It is proposed to commingle Mesa Verde and Chacra production in wellbore. Approved by New Mexico Conservation Commission order # R-5646.

Retrievable production packer will be run on tubing above Chacra Zone to Dual Complete Well.