

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

1980' from the South and 1980' from the East

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)

240' ~~XXXXXX~~

16. NO. OF ACRES IN LEASE

2400

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.

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

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

6498 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 6692'. 7" 26# J-55 casing cemented at 6615' with 150 sacks. Temperature survey cement top at 5633'. 5 1/2" liner cemented 6542 to 6690 with 50 sacks. Liner perforated 6 holes per foot 6637 to 6647'.

Abandoned as Tocito producer 7-1-62.

It is now proposed to plug back and recomplete well in Mesa Verde and Chacra zones. Downhole commingling approved on New Mexico Conservation Commission order # 5647.

Cement plug will be spotted over perforations 6637 to 6647 and back up in 7" casing to 6400'. 9# gel based mud will be spotted 6400 to 5750'. 100' cement plug will be spotted 5750 to 5650'.

Casing will be perforated at approx. 5600' then cemented by circulating and squeezing to above top of Alamo sand at 2280'.

(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. L. Lujan 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.

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Mesa Verde and Chacra zones will be perforated then frac'ed to stimulate production.

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

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

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