

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 ☒			5. LEASE DESIGNATION AND SERIAL NO. SF-079035-A	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Caulkins Oil Company			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 340, Bloomfield, New Mexico			8. FARM OR LEASE NAME Breech "A"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660 from the South and 1980 from the East At proposed prod. zone Same			9. WELL NO. 207	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 33 miles Southeast of Blanco, New Mexico			10. FIELD AND POOL, OR WILDCAT Otero-Chacra Blanco Mesa Verde	
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 10 26N 6W	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1100'			12. COUNTY OR PARISH Rio Arriba	
16. NO. OF ACRES IN LEASE 24.00			13. STATE New Mexico	
19. PROPOSED DEPTH			17. NO. OF ACRES ASSIGNED TO THIS WELL 320	
20. ROTARY OR CABLE TOOLS			22. APPROX. DATE WORK WILL START* April 20, 1978	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6504 DF				

23. PROPOSED CASING AND CEMENTING PROGRAM

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

Present Condition:

TD- 6688'. 7 5/8" 26.4# casing cemented at 6635 with 200 sacks. Top of cement 5650'. 5 1/2" 15.5# liner 6614 to 6687'. Cemented with 25 sacks. Perforated liner 6645 to 6661. Abandoned as Tocito injection well May, 1965.

It is now proposed to plug back and recomplete in Mesa Verde and Chacra zones.

Cement plug will be spotted over perforations and up in 7 5/8" casing to 6600' 9# mud will be spotted in 7 5/8" casing 6600' to 5600'. A 100' cement plug will be spotted 5500' to 5600'.

7 5/8" casing will be perforated approx 5490' then 7 5/8" casing will be cemented 5490 to above top of Alamo at 2335', by circulating and squeezing.

Mesa Verde and Chacra zones will be perforated and fractured to stimulate production.

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

(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. Dwyer TITLE Superintendent DATE 10-28-77
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

Alan

*See Instructions On Reverse Side

Instructions

b

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.

★ U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-396

It is proposed to commingle production from Chacra and Mesa Verde zones in wellbore, subject to approval by New Mexico Oil Conservation Commission. If denied well will be completed as Chacra-Mesa Verde dual with packer between zones.