

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WELL DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		2. LEASE DESIGNATION AND SERIAL NO. N M 03551
3. NAME OF OPERATOR Caulkins Oil Company		4. FIELD AND POOL, OR WILDCAT Otero-Chacra Blanco Mesa Verde
4. ADDRESS OF OPERATOR P.O. Box 340, Bloomfield, New Mexico		5. FARM OR LEASE NAME Breech "B"
5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660 from the South and 660 from the East		6. WELL NO. 104
6. AT proposed prod. zone Same		7. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5 26N 6W
7. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 Miles Southeast of Blanco, New Mexico		8. COUNTY OR PARISH Rio Arriba
8. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660		9. STATE New Mexico
9. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1500'		10. NO. OF ACRES IN LEASE 2240
10. ELEVATIONS (Show whether DF, RT, GR, etc.) 6505 Gr.		11. NO. OF ACRES ASSIGNED TO THIS WELL 320
11. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1500'		12. ROTARY OR CABLE TOOLS
12. APPROX. DATE WORK WILL START April 10, 1978		

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Present Conditions: TD 6746'. 7" 23# J-55 casing cemented with 150 sacks thru shoe and 525 sacks thru stage tool at 5401'. Cement top 3450'. Abandoned as Tocito producer 9-9-65 to date. It is now proposed to plug back and recomplete well in Mesa Verde and Chacra zones by perforating Mesa Verde and Chacra zones then fracturing to stimulate production. A pit 20 X 20 X 4' on existing location will be required to contain frac water while cleaning up and testing. Blowout preventor will be used while plugging back and recompletion. After recompletion, pit will be covered and location reseeded to within 5' of all facilities with BLM approved seeding program. It is proposed to commingle production from Chacra and Mesa Verde zones subject to approval by New Mexico Oil Conservation Commission. If denied packer will be set between zones and well completed as Dual Chacra and Mesa Verde.				

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. L. L. L. TITLE Superintendent DATE 10-28-77  
(This space for Federal or State office use)PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY ALB TITLE \_\_\_\_\_ DATE 10/28/77  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side