

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. <b>1-89-IND-57</b>		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo</b>		
2. NAME OF OPERATOR <b>CONTINENTAL OIL COMPANY</b>			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR <b>P. O. BOX 1621, Durango, Colorado</b>			8. FARM OR LEASE NAME <b>Table Mesa</b>		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface <b>660' FSL, 1980' FWL</b> At proposed prod. zone <b>660' FSL, 1980' FWL</b>			9. WELL NO. <b>28</b>		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>12 Miles South of Shiprock, New Mexico</b>			10. FIELD AND POOL, OR WILDCAT <b>Table Mesa Penn. "C"</b>		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>660'</b>			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 33, T28N, R17W - NMPM</b>		
16. NO. OF ACRES IN LEASE			12. COUNTY OR PARISH		
17. NO. OF ACRES ASSIGNED TO THIS WELL <b>160</b>			13. STATE <b>New Mexico</b>		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>4184'</b>			19. PROPOSED DEPTH <b>7385' RB</b>		
20. ROTARY OR CABLE TOOLS <b>Rotary</b>			21. APPROX. DATE WORK WILL START* <b>September 12, 1965</b>		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5378' RB</b>					

## 23. PROPOSED CASING AND CEMENTING PROGRAM

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

It is proposed to squeeze Penn. "C" perforations from 7275'-7286' RB with 50 sacks neat cement and deepen well 60 feet to test Penn. "D" zone.

The Penn. "C" zone presently is shut-in as the well will not produce naturally against system pressure of 900 psig. Prior to shut-in the zone produced approximately 800 MFPD, 8 BOPD and 100 MCFGPD by gas lift.

It is planned to core the interval from under the present casing shoe to T.B. using 11.0#/gal. mud. Directional drilling is not planned. The interval will be completed open hole.

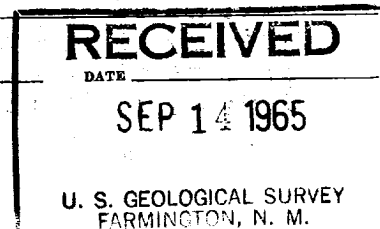
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Original Signed By: **H. D. HALEY** TITLE **District Manager** DATE **9-13-65**

SIGNED \_\_\_\_\_  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



\*See Instructions On Reverse Side