

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
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 AUSTRAL OIL COMPANY INCORPORATED

3. ADDRESS OF OPERATOR
 2700 Humble Building, Houston, Texas 77002

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1,190' from North line and 1,190' from East line of Section 17.
 At proposed prod. zone Same as above.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 20 miles SE of Bloomfield

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1190'

16. NO. OF ACRES IN LEASE
 1,280

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. 300'

19. PROPOSED DEPTH
 7,000'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6338' GR

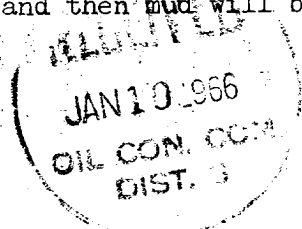
22. APPROX. DATE WORK WILL START*
 January 6, 1966

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	28	325'	250 Sks.
7-7/8"	4-1/2"	10.5	7,000'	480 Sks. in 3 stages

2 - QRC's Series 600.

This well is the Huerfanito #8. It is a Dakota gas test and will be drilled to approximately 7,000'. 8-5/8" surface casing will be set at 325' and cemented full length. Production casing will be 4-1/2", set through the lower most productive sand. The casing will be cemented in three stages if required. First stage through show, second stage through collar 50' below Mesaverde, if required, and third stage through collar 50' below Pictured Cliff. Water will be used as drilling fluid to 4,000' and then mud will be used to total depth.



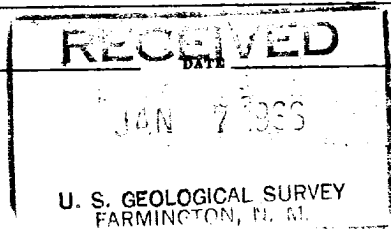
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. SIGNED C. R. Goffs TITLE Asst. Drlg. & Prod. Supt. DATE January 5, 1965
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:



*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.