

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

copy to J.

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

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-031963
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----
2. NAME OF OPERATOR TEXACO INC.		7. UNIT AGREEMENT NAME -----
3. ADDRESS OF OPERATOR P. O. BOX 3109, MIDLAND, TEXAS 79701		8. FARM OR LEASE NAME M. M. Stewart Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface Section 4, T24S, R31E At proposed prod. zone Delaware Sand		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 18 miles East of Loving, New Mexico		10. FIELD AND POOL, OR WILDCAT Undesignated
16. NO. OF ACRES IN LEASE 1722.12		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 4, T24S, R31E
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		12. COUNTY OR PARISH Eddy
19. PROPOSED DEPTH 4400'		13. STATE New Mexico
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* At once
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR - 3415'		
23. PROPOSED CASING AND CEMENTING PROGRAM		

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 7/8"	7 5/8"	24#	550'	*300 sx (330% to circ.)
6 3/4"	4 1/2"	10.5#	4400'	**500 sx (160% to tie-back)

\*Cement with 300 sx Class "C" w/1% Ca Clr. Cement must circ. (330% to circ.)  
\*\*Cement with 300 sx TLW 12#/gal followed by 200 sx Class "C" 4% gel 13#/gal (160% to tie-back)

## COMPLETION PROGRAM

1. Perforate 2 JSPI. 2. Swab natural. 3. Acidize w/500 gals 15% NEA. 4. If necessary, frac w/2000 gals refined oil & 2000 #/sd.

## FORMATION TOPS EXPECTED

Anhydrite	540'	RECEIVED	Delaware Sand	4290'
Base of Salt	4040'		Total Depth	4400'

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 J. J. Velten TITLE Division Civil Engineer DATE 10/27/66  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

COMMITTEES OF APPROVAL, IF ANY:

OCT 2 1966

R. L. BEEKINAM

ACTING DISTRICT ENGINEER

\*See Instructions On Reverse Side