

## N. M. Oil Cons. Division

811 S. 1ST ST.

ARTESIA, NM 88210

Form 3160-3  
(December 1990)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE

FORM APPROVED

Budget Bureau No. 1004-0136

Expires: December 31, 1991

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. Lease Designation and Serial No. NM 0543827	
1b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. If Indian, Allottee or Tribe Name	
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC. 22351		7. If Unit or CA, Agreement Designation	
3. Address and Telephone No. P.O. Box 3109, Midland Texas 79702 688-4606		8. Well Name and Number REMUDA BASIN '20' FEDERAL 2 208.7	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At Surface 1650 WILDCAT FORTY NINE RIDE, BRNE SPRING, WEST Unit Letter E : 4880 Feet From The NORTH Line and 510 Feet From The WEST Line At proposed prod. zone SAME		9. API Well No. 30-015-29550	
14. Distance in Miles and Direction from Nearest Town or Post Office* 12 MILES SOUTHEAST OF LOVING, NM		10. Field and Pool, Exploratory Area 96526	
15. Distance From Proposed* Location to Nearest Property or Lease Line, Ft. (also to nearest drlg. unit line, if any) 510'		11. SEC., T., R., M., or BLK. and Survey or Area Sec. 20, Township 23-S, Range 30-E	
16. No. of Acres in Lease 480		12. County or Parish EDDY	
17. No. of Acres Assigned To This Well 40		13. State NM	
18. Distance From Proposed Location* to Nearest Well, Drilling, Completed or Applied For, On This Lease, Ft. 1479'		14. Rotary or Cable Tools ROTARY	
19. Proposed Depth 7500'		20. Approx. Date Work Will Start* 3/25/97	
21. Elevations (Show whether DF, RT, GR, etc.) GR-3136'		22. APPROX. DATE WORK WILL START*	

23 PROPOSED CASING AND CEMENT PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4	WC50, 11 3/4	42#	400'	400 SACKS - CIRCULATE <b>WITNESS</b>
11	WC50, 8 5/8	24 & 32#	3400'	900 SACKS - CIRCULATE <b>WITNESS</b>
7 7/8	WC50/75, 5 1/2	15.5 & 17#	7500'	1600 SACKS - CIRCULATE

## CEMENTING PROGRAM:

SURFACE CASING - 400 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S, 6.3 GW/S).

INTERMEDIATE CASING - 800 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.4 PPG, 2.14 CF/S, 11.9 GW/S). F/B 100 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S).

PRODUCTION CASING - 1st STG: 700 SACKS 50/50 POZ H w/ 2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S).

DV TOOL @ 5000' - 2nd STG: 800 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.4 PPG, 2.14 CF/S, 11.9 GW/S). F/B 100 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S)

DAYS TO DRILL: 14 DAYS. DAYS TO COMPLETE: 12 DAYS.

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

Posted ID-1  
SUBJECT TNYL & ART  
GENERAL REQUIREMENTS 5-2-97  
GENERAL REGULATIONS  
TNYL

In Above Space Describe Proposed Program: If proposal is to deepen, 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 true verticle depths. Give blowout preventer program, if any.

24. I hereby certify that the foregoing is true and correct

SIGNATURE	C. Wade Howard	TITLE	Eng. Assistant	DATE	2/18/97
TYPE OR PRINT NAME	C. Wade Howard				

(This space for Federal or State office use)

PERMIT NO.	APPROVAL DATE	
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
APPROVED BY	TITLE	DATE
4/1/97	Acting State Director	4-14-97
CONDITIONS OF APPROVAL, IF ANY:		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.