

Form 3160-3
(December 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0136
Expires: December 31, 1991

SUBMIT IN TRIPLICATE

APPLICATION FOR PERMIT TO DRILL OR DEEPEN		5. Lease Designation and Serial No. NM 29233
1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		6. If Indian, Alottee or Tribe Name
1b. 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"/>		7. If Unit or CA, Agreement Designation
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC. 22351		8. Well Name and Number NEFF '13' FEDERAL
3. Address and Telephone No. P.O. Box 3109, Midland Texas 79702 688-4606		11. 11003
4. Location of Well (Report location clearly and in accordance with any State requirements.) At Surface Unit Letter G : 1839 Feet From The NORTH Line and 2121 Feet From The EAST Line At proposed prod. zone SAME		9. API Well No. 30-015-29582
14. Distance in Miles and Direction from Nearest Town or Post Office 32 MILES NORTHEAST OF CARLSBAD, NM		10. Field and Pool, Exploratory Area LIVINGSTON RIDGE - DELAWARE 39360
15. Distance From Proposed Location to Nearest Property or Lease Line, Ft. (also to nearest drg. unit line, if any) 1839'		11. SEC., T., R., M., or BLK. and Survey or Area Sec. 13, Township 22-S, Range 31-E
16. No. of Acres in Lease 640		12. County or Parish EDDY
17. Distance From Proposed Location to Nearest Well Drilling, Completed or Applied For, On This Lease, Ft. 1187'		13. State NM
18. Proposed Depth 8550'		17. No. of Acres Assigned To This Well 40
19. Rotary or Cable Tools ROTARY		20. Approx. Date Work Will Start 7/1/96
21. Elevations (Show whether DF, RT, GR, etc.) GIR-3591' Secretary's Pctash		

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#	800'	500 SACKS - CIRCULATE
11	WC50, J55, 8 5/8	32#	4400'	1050 SACKS - CIRCULATE
7 7/8	WC50, WC70, 5 1/2	17#	8550'	1500 SACKS - CIRCULATE

CEMENTING PROGRAM:

SURFACE CASING - 500 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S, 6.3 GW/S).

INTERMEDIATE CASING - 900 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 150 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S).

PRODUCTION CASING - 1st STG: 800 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 @ 5500' - 2nd STG: 600 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: 15 DAYS. DAYS TO COMPLETE: 14 DAYS.

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

Requirements and
Special Stipulations
Attached

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 5/21/96
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 Louis Baca TITLE Acting State Director DATE 4/23/97
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.