

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
TEXACO Inc.

3. ADDRESS OF OPERATOR
P. O. Box 3109, Midland, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface **2022' FSL & 660' FWL, Sec. 33**

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
8 miles SE of Eunice, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)
964'

16. NO. OF ACRES IN LEASE
1855.12

17. NO. OF ACRES TO THIS WELL
40 to S. Paddock 126.18 to Tubb Gas

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1320'

19. PROPOSED DEPTH
6300'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 3369'

22. APPROX. DATE WORK WILL START*
At once

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
		SEE ATTACHED SHEET		

Approved Subject to: Sufficient cement must be used on production strings to cover all producing formations below base of salt.

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** **3-18-64**
 (This space for Federal or State office use)

PERMIT NO. _____

APPROVED BY _____ TITLE **MAR 18 1964** DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

CASING PROGRAM

We propose to use the following strings of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Sacks Cement
11"	8-5/8"	24#	New	1350'	600*
7-7/8"	2-7/8"	6.5#	New	6300'	1300**
7-7/8"	2-7/8"	6.5#	New	6300'	

* 400 Sacks Incor 4% gel followed by 200 sacks Class C Neat, all with accelerator.

** Externally clean casing, install centralizers opposite prospective zones, and install scratchers on string to be reciprocated. Cement down both strings with 500 sacks of 1:1 Incor-Pozmix mixture with 8% gel followed by 800 sacks of 1:1 Incor Pozmix mixture with a maximum of 2% gel. Use friction reducing agent to obtain turbulent flow. Displace cement with acetic acid.

FORMATION TOPS EXPECTED

Anhydrite	1315'
Top Salt	1395'
Base Salt	2495'
Yates	2645'
San Andres	4075'
Glorieta	5215'
Blaine	5635'
Tubb	6155'
Total Depth	6300'