

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 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 600' FNL & 600' FWL, Sec. 1, T-20-S, R-34-E
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 22 miles southwest of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 600

16. NO. OF ACRES IN LEASE 602.04

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2653

19. PROPOSED DEPTH 9800'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3697 GR

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
13 3/4"	11 3/4"	42#	400'	*260 Sx. (300% to circulate)
10 5/8"	8 5/8"	32#	4975'	**575 Sx. (200% to tie back)
7 7/8"	5 1/2"	17#	9800'	***1st Stage-250 Sx. (200% to 8600')
				2nd Stage-280 Sx. (200% to tie back)

* 260 Sx. Class "C" 14.8#/gal. w/2% CaCl. (300% to circulate.) Cement must circulate. ** 325 Sx. TLW w/7.5#/Sx. Salt 12.44#/gal. followed by 250 Sx. Class "C" w/10#/Sx. Salt 14.8#/gal. (200% to tie back to base of Salt.) *** 1st Stage-250 Sx. Class "C" w/10#/Sx. Salt 14.8#/gal. (200% to 8600'.) 2nd Stage-280 Sx. Class "C" w/10#/Sx. Salt 14.8#/gal. (200% to tie back.) DV Tool at 6300' w/cmtg. Basket.

COMPLETION PROGRAM

1. Selectively perforate Bone Spring w/2 jspt. 2. Acidize w/2000 gals. 15% NE acid staged w/ball sealers.

FORMATION TOPS

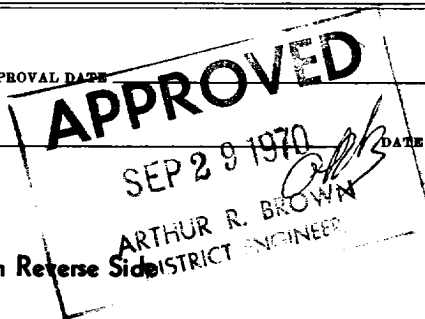
Base Anhydrite - 3900' Bone Spring - 8200' Pay B - 9595'
 Grayburg - 5250' Pay A - 9465' TD - 9800'

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, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED W. J. Helgan Assistant Div. Civil Engineer DATE September 29, 1970

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____



*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.

RECEIVED

OCT - 6 1970

OIL CONSERVATION COMM.
HOBB, N. M.