

Form 9-331C
(May 1963)SUBMIT IN TRIPLICATE*
(Other instruct. on reverse side)Form approved.
Budget Bureau No. 42-R1425.

REVISED *
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒ (Amended) 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

2310' FNL & 1980' FWL, Section 12, T-25-S, R-31-E

* Revised to change location from 2310' FWL & 1980' FNL, Sec 12

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

20 miles southeast of Malaga, New Mexico

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

9,900'

16. NO. OF ACRES IN LEASE

35,146.30

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

6,300'

19. PROPOSED DEPTH

16,500'

20. ROTARY OR CABLE TOOLS

Rotary

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

GR - 3434'

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
26"	20"	94#	750'	*2380 sx-350% to circ.
17 1/2"	13 3/8"	54.5# 61# 68#	4,425'	**3650 sx-Calip. Vol. + 25%
12 1/4"	9 5/8"	53.5# 47#	12,600'	***3100 sx-Calip. Vol. + 25%
8 1/2"	7 5/8" (liner)	39#	12,300'-16,000'	****320 sx-Calip. Vol. + 25%
6 1/2"	5" (liner)	18#	15,700'-16,500'	*****75 sx-Calip. Vol. + 25%
				305 sx-Cal. Vol.+20% to tie back to 12,000'

1980 sx TLW, 12#/gal followed by 500 sx cl. "C", 14.8#/gal. Use 1/4#/sx flocele in 1st. 500 sx TLW, cement must circ. (350% to circ.) **3150 sx TLW w/10% salt, 12.44#/gal followed by 500 sx cl. "C" w/10% salt, 14.8#/gal Calip. Vol. + 25%. ***1st Stage-Stage cementing tool @ 7900'-1100 sx TLW, 12#/gal followed by 760 sx cl. "C" w/10% sx salt, 14.8#/gal. Add 1/4#/sx flocele to 1st 500 sx TLW. 2nd Stage-1240 sx TLW w/5# sx gilsonite, 12#/gal. Add 1/4#/sx flocele to 1st 500 sx TLW Calip. Vol. + 25% on both stages. Cl. "C" to 11,000'. Precede each stage w/500 gal mud flush followed by 30 bbls fresh wtr. ****320 sx cl. "C" (Incor) w/0.6% Halid 9, .4% CFR-2, 1/4#/sx flocele and 5#/sx gilsonite, 12#/gal Calip. Vol. + 25%. Precede cmt. w/500 gal mud flush & 30 bbls fresh wtr. *****75 sx Cl. "C" (Incor) w/0.40% CFR-2, 0.6 Halid 9 1/4#/sx flocele & 5#/sx gilsonite, 14.0#/gal Calip. Vol. + 25%. Precede cmt. w/500 gal mud flush & 15 bbls fresh wtr. 305 sx Cd. "C" (Incor) w/0.40% CFR-2 0.6% Halid 9, 14.8#/gal. Calculate Vol.-Add 20%--Cementing Co. to run lab test w/samples of cmt. & wtr. to be used in cementing prior to cementing at 12,600', 16,000', & 16,500'.

COMPLETION PROGRAM

1. Run production equipment-Place inhibited fluid in Csg-Tbg annulus. 2. Perforate Devonian section with underbalanced pressure. 3. Test as a natural completion. 4. Treat Devonian as required with E. Acid, if necessary.

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

December 3, 1969

(This space for Federal or State office use)

PERMIT NO.

ROBERT L. BEEKMAN

APPROVAL DATE

DEC 4 - 1969

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

FORMATION

ACTING DISTRICT ENGINEER

DATE

DEC 4 - 1969

astler 705' Dean (Wc)
amar Lime 4,395' Wolfcamp pay
one Spring 8,305' Strawn

11,132' Morrow Clastics
12,830' Lower Miss.
13,653' Devonian

14,829' Total Depth
15,955' 16,500'

*See Instructions On Reverse Side

THIS APPROVAL IS VOID IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.