

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-036379
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		6. IS INDIAN, ALLOTTEE OR TRIBE NAME -----
2. NAME OF OPERATOR TEXACO INC.		7. UNIT AGREEMENT NAME -----
3. ADDRESS OF OPERATOR P. O. BOX 3109, MIDLAND, TEXAS 79701		8. FARM OR LEASE NAME COTTON DRAW UNIT
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980'FSL&660'FWL, Section 35, T-24-S, R-31-E At proposed prod. zone		9. WELL NO. 67
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 18 miles East-Southeast of Malaga, New Mexico		10. FIELD AND POOL, OR WILDCAT Paduca Morrow Gas
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 3308'		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 35, T-24-S, R-31-E
16. NO. OF ACRES IN LEASE 35,146.30		12. COUNTY OR PARISH Eddy
17. NO. OF ACRES ASSIGNED TO THIS WELL 316.19		13. STATE New Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4762'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR - 3482'		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
17 1/2"	13 3/8"	48.00#	725'	*1100 sx - 350% to circ.
12 1/4"	10 3/4"	40.50#, 45.50#, 51.00#	4350'	**1800 sx - calip. vol. plus 25% excess
9 5/8"	7 5/8"	33.7#	12600'	***3025 sx - calip. vol. plus 25% excess Stage 1&2, plus 20% excess for Stage 3
6 5/8"	5 1/2"	26#	15100'	**** 400 sx - Add 25% excess

*Cement w/800 sx TLW, 12.4#/gal followed by 300 sx Class "C", 14.8#/gal (cement must circ. - 350% to circ.). **Cement w/1500 sx TLW w/10% salt, 12.44#/gal followed by 300 sx Class "C" w/10% salt, 14.8#/gal (calip. vol. plus 25% excess). ***1st Stage - cement w/750 sx TLW, 12.4#/gal followed by 600 sx Class "C" w/10% salt 14.8#/gal. 2nd Stage - Cement w/1000 sx TLW, 12.4#/gal (calip. vol. plus 25% excess for 1&2). 3rd Stage - Cement w/675 sx TLW, 12.4#/gal (calip. vol. plus 20% excess for third stage). Run cement basket at 4000'. ****Cement w/400 sx Class "H", 16.0# gal w/1% Halad-9, & 0.75% CFR-2. Estimate hole size from calip. on same - add 25% excess (liner) top at 12,300'.

1. Run production equipment - place COMPLETION PROGRAM 2. Perf. Morrow sec. w/underbalanced inhibited fluid in csg-thg annulus. pressure. 3. Attempt to establish prod. as a natural completion.

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. VerlenTITLE Division Civil EngineerDATE MAR 6 1969

(This space for Federal or State office use)

THIS APPROVAL IS REVOKED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
APPROVAL DATE
EXPIRES JUN - 5 1969

MAR 6 1969

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:TITLE
FORMATION TOPS EXPECTED

DATE

Anhydrite	3220'	Bone Spring	8220'	Strawn	13565'	Morrow Clastics	14820'
Lamar Lime	4320'	Dean Wolfcamp	11050'	Morrow	14265'	Total Depth	15100'

*See Instructions On Reverse Side