

UN. STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. LC-068124
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF 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 79702		8. FARM OR LEASE NAME L. Harris-Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' PHL & 1980' FEL, Sec. 22, T-7-S, R-35-E At proposed prod. zone Same		9. WELL NO. 2
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 3.7 miles North of Milnesand, New Mexico		10. FIELD AND POOL, OR WILDCAT Todd Wolfcamp
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest grid unit line, if any) 661'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22 T-7-S, R-35-E
16. NO. OF ACRES IN LEASE 240		12. COUNTY OR PARISH 13. STATE Roosevelt New Mexico
17. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DEEPENING, COMPLETED, OR APPLYING FOR, ON THIS LEASE, FT. 1863'		14. NO. OF ACRES ASSIGNED TO THIS WELL 40
19. PROPOSED DEPTH 7970'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4204' Ground		22. APPROX. DATE WORK WILL START* December 10, 1978

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-5/8" New	48 E-40	340'	400 Sx (200% to circulate)
11"	9-5/8" New	24 K-55	4500'	1400 Sx**
7-7/8"	5-1/2" New	14-17 K-55	7970'	800 Sx***
SIC				

* 400 Sx Class "C" W/2% Calc (200% of Calc vol reqd to circulate)
** 1200 Sx LW Cement W/1/4# floccel + 15 lb. Salt/Sx & 200 Sx Class "C"
W/1/4# floccel + 8 lb. Salt/Sx (200% of calc volume reqd to circulate)
*** 600 Sx LW Cement V/6# Salt + 1/4# floccel/Sx followed by 200 Sx Class
"H" W/6# Salt + 1/4# floccel/Sx (200% to tie back)

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

TITLE Asst. Div. Petr. Engr.

DATE 11-9-78

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED
DEC 1 1978
ACTING DISTRICT ENGINEER

WELL: L. HARRIS-FEDERAL NO. 2

LOCATION: 1980' FNL & 1980' FEL, SEC. 22, T-7-S, R-35-E

COUNTY: ROOSEVELT

STATE: NEW MEXICO

(3) Geological name of surface formation: Ogallala

(6)&(7) Formation Tops

<u>DEPTH</u>	<u>FORMATION</u>	<u>OIL</u>	<u>GAS</u>	<u>WATER</u>	<u>MINERALS</u>
--	Ogallala				
3450'	San Andres	X	X		
7600'	Wolfcamp	X			

(10) See Exhibit "D"

(11) 0' - 6500' Water (mud for hole control only)

6500' - 7970' Blue gel 10# 32-38 viscosity 15 cc
water loss, 4% diesel oil

(12) Gamma-ray neutron and resistivity logs will be run in
the open hole upon reaching total depth.

(13) No abnormal pressures or temperatures or hazardous gases
are anticipated to be encountered in this well.

(14) Anticipated starting date: December 10, 1978

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

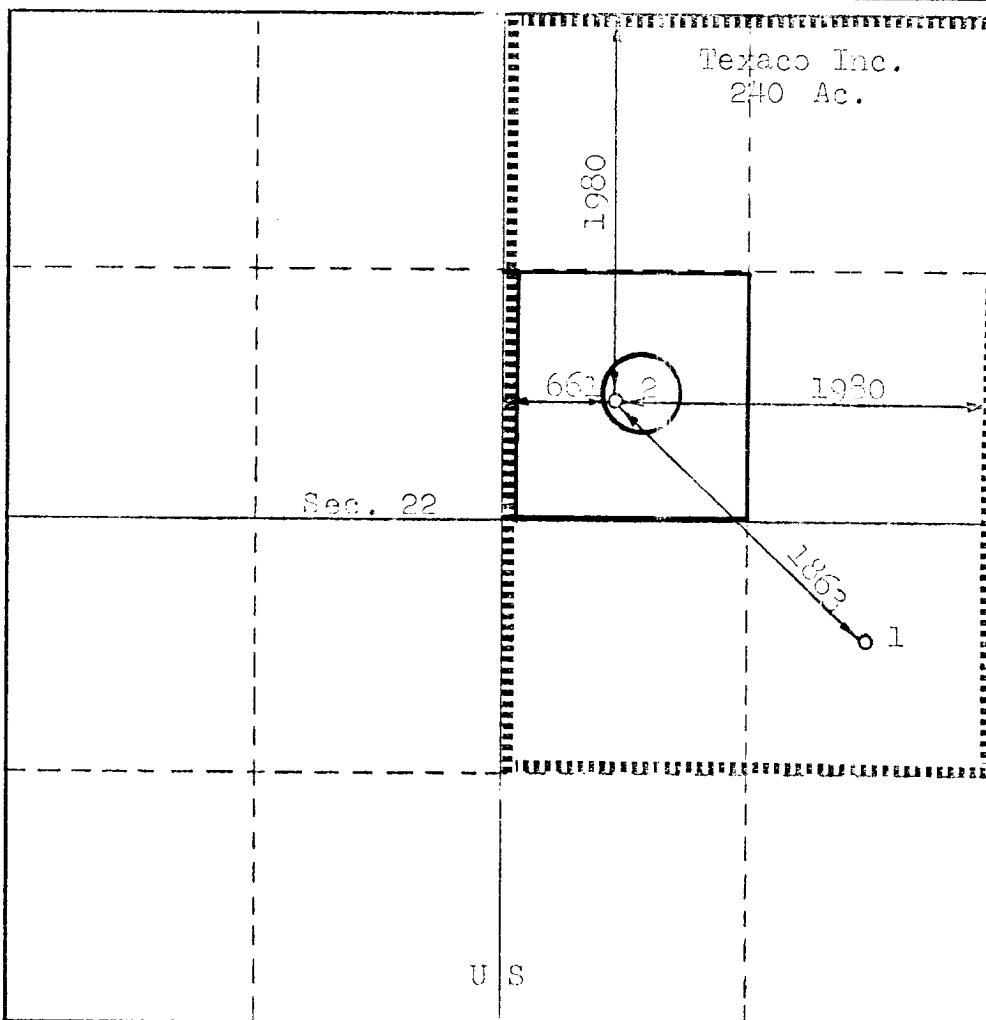
Operator: Texaco Inc.			Lease: L. Harris-Federal		Well No. 2
Unit Letter: G	Section: 22	Township: T-7-S	Range: R-35-E	County: Roosevelt	
Actual Postage Location of Well: 1980 feet from the North line and 1980 feet from the East line					
Ground Level Elev. 4204'	Producing Formation: Wolfcamp "A"	Pool: Todd Wolfcamp		Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

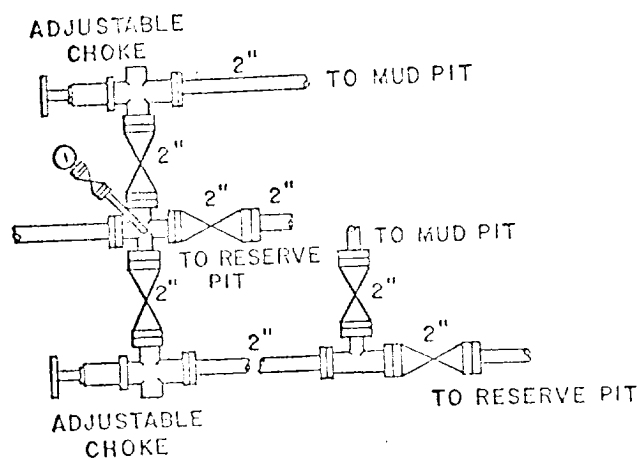
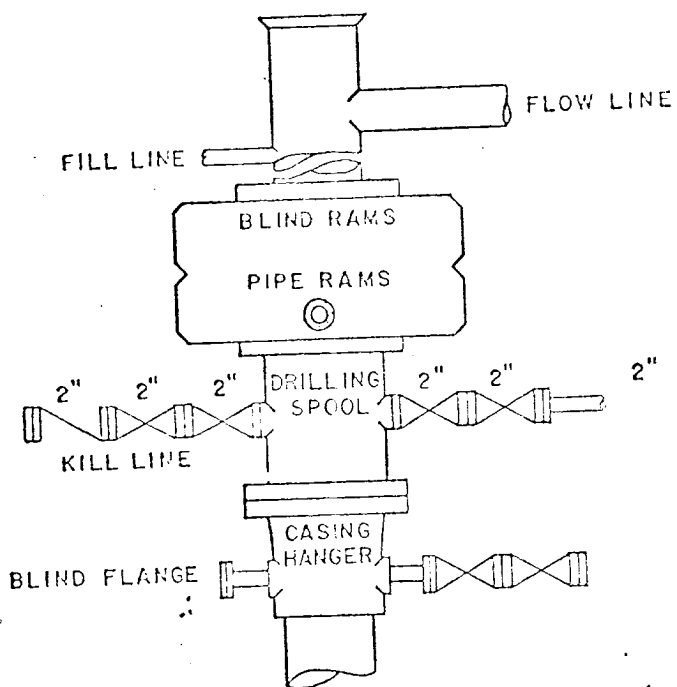
☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

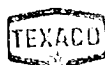
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	B. L. Biland
Position	Division Surveyor
Company	Texaco Inc.
Date	November 9, 1978
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
Date Surveyed	November 1, 1978
Registered Professional Engineer and/or Land Surveyor B. L. Biland	
Certificate No.	11002



SCALE: NONE | DATE | EGT. NO. | DRG. NO.
 DRAWN BY JWD



TEXACO, INC.
 PRODUCING DEPARTMENT-U.S. (EAST)
 MIDLAND, TEXAS

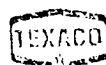


EXHIBIT "D"



PETROLEUM PRODUCTS

November 10, 1973

TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

L. HARRIS-FEDERAL NO. 2
ROOSEVELT CO., NEW MEXICO

United States Department of the Interior
Geological Survey
P. O. Box 1157
Hobbs, New Mexico 88240

Gentlemen:

This is to advise that the New Mexico State Game and Fish Commission requirements for restoration of the surface following abandonment of this well location have been discussed. These include compensation for surface damage and reseedling of roads and well pad with vegetation compatible to the area.

Yours very truly,

J. V. GANNON
District Superintendent

BLE:BH

EXHIBIT "E"