

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 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface 660' FSL & 1980' FEL of Section  
 At proposed prod. zone

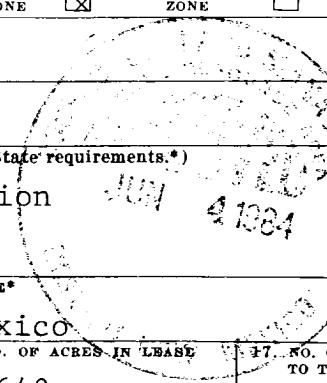
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 23 Miles East of Lake Arthur, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'  
 16. NO. OF ACRES IN LEASE 640

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1st Well  
 19. PROPOSED DEPTH 9970' PB

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3955' GR

5. LEASE DESIGNATION AND SERIAL NO. NM-0338-A  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 7. UNIT AGREEMENT NAME  
 8. FARM OR LEASE NAME Perry-Federal  
 9. WELL NO. 2  
 10. FIELD AND POOL, OR WILDCAT Wildcat  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29, T-15-S, R-30-E  
 12. COUNTY OR PARISH Chaves 13. STATE N.M.  
 17. NO. OF ACRES ASSIGNED TO THIS WELL 40  
 20. ROTARY OR CABLE TOOLS Rotary  
 22. APPROX. DATE WORK WILL START\* June 15, 1984



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	470'	500
12 1/4"	9 5/8"	36	2940'	1700
8 3/4"	7"	32	12,312'	400

Refer to attachment for workover program.

Well is presently completed in Devonian Formation which will be abandoned and subject well to be completed in the Marrow Formation.

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 B. L. Eiland L. Eiland TITLE Division Surveyor DATE 5-30-84

(This space for Federal or State Office Use)  
**APPROVED**

PERMIT (Orig. Sgd.) PETER W. CHESTER APPROVAL DATE \_\_\_\_\_

APPROVED BY JUN 12 1984 TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL \_\_\_\_\_



\*See Instructions On Reverse Side

## WORKOVER PROGRAM

1. Move in, rig up. Pull rods and pump. Install BOP. Pull tubing.
2. Set CIBP at 10,100' and spot ~~30'~~<sup>35'</sup> of cement on top of plug.  
New PBTD 10,070'.
3. Spot 400 gallons 10% acetic acid across prospective pay interval.
4. Perforate the following intervals w/JSPI using high penetration charges: 9932, 33, 34, 35, 36, 37, 38, 39, 40 (9 int 18 holes)
5. TIH w/workstring and 7" RTTS packer. Set packer at 9850'.
6. Swab well to clean perfs and evaluate productive potential.
7. If necessary, acidize perforations 9932' - 9939' with 1000 gallons 7½% Morflow Acid and 25 MCF N<sub>2</sub> dropping 2 ball sealers after every 3 barrels of acid and flush to perfs. Shut in 30 minutes then swab back load. (4500 PSI, 5 BPM, backside loaded)
8. Place well on production.

N MEXICO OIL CONSERVATION COMMISS  
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.

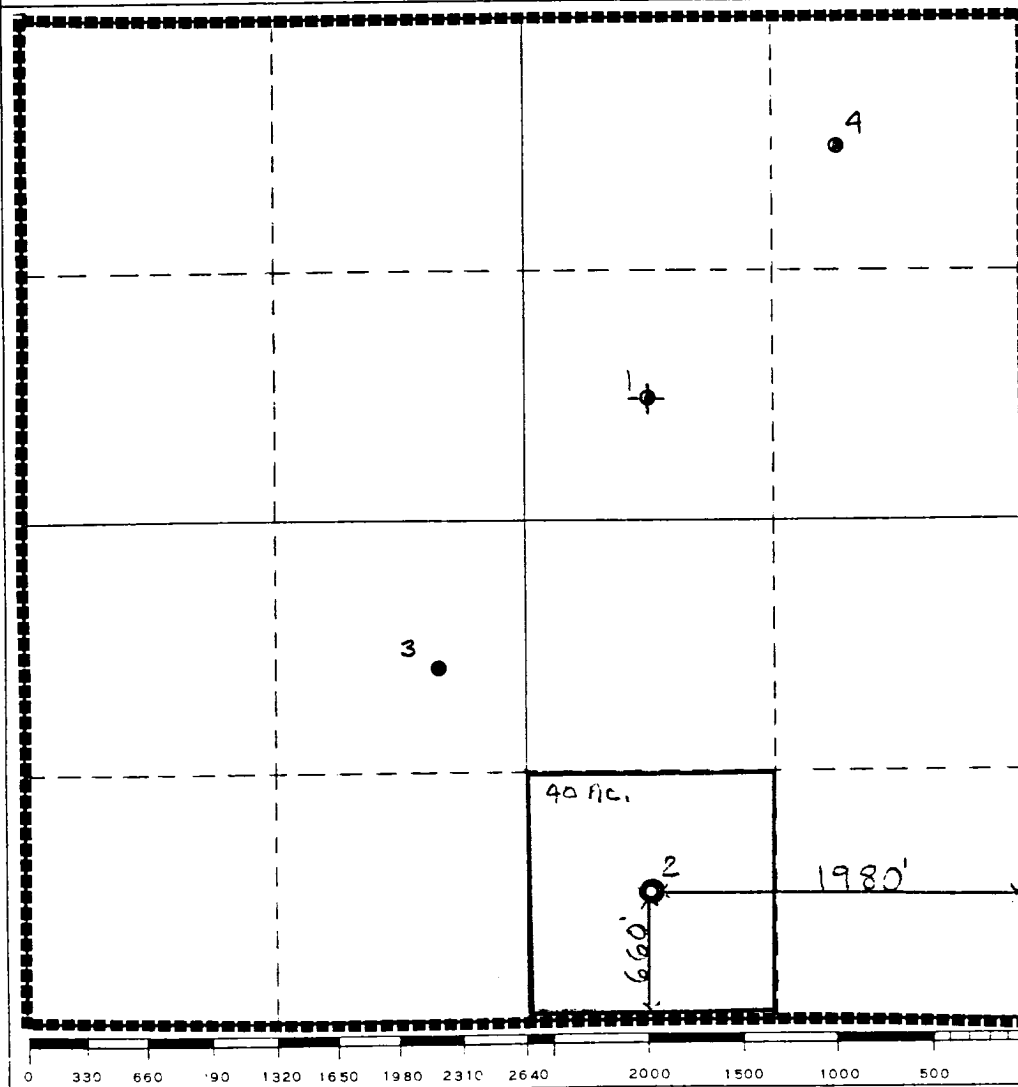
Operator <b>Texaco Inc.</b>		Lease <b>Peery-Federal</b>			Well No. <b>2</b>
Unit Letter <b>0</b>	Section <b>29</b>	Township <b>15-S</b>	Range <b>30-E</b>	County <b>Chaves</b>	
Actual Footage Location of Well: <b>660</b> feet from the <b>South</b> line and <b>1980</b> feet from the <b>East</b> line					
Ground Level Elev. <b>3955' GR</b>	Producing Formation <b>Morrow</b>		Pool <b>Wildcat</b>	Dedicated Acreage: <b>40</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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.

*B. L. Eiland*

Name

Bethel L. Eiland

Position

Division Surveyor

Company

Texaco Inc.

Date

May 25, 1984

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

Registered Professional Engineer and/or Land Surveyor

Certificate No.