

IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

P. O. Drawer 1857  
Roswell, New Mexico

*Copy to SJ*

February 27, 1964

Texaco Inc.  
P. O. Box 3109  
Midland, Texas

Dear Sir:

Your Notice of Intention to Drill well No. 17 Leo R. Manning Federal "B" NCT-1 (copy attached) in the NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 27, T. 18 S., R. 30 E., N.M.P.M., Eddy County, New Mexico, lease New Mexico 033775, to a depth of 3,400 feet to test the Queen formation, has been forwarded to this office for approval.

Pursuant to authority delegated to the Regional Oil and Gas Supervisor on May 10, 1962, 27 F.R. 4814, I hereby approve the Notice of Intention to Drill described in the foregoing.

Please notify the District Engineer, Geological Survey, Drawer U, Artesia, New Mexico, in sufficient time for a representative to witness all cementing operations.

Very truly yours,

CARL C. TRAYWICK  
Acting Oil & Gas Supervisor

Attachment

Copy to: Washington  
Mining Branch (2)  
NMOCC-Artesia (2) (w/2 cys Notice)  
Artesia  
Roswell (2)

JAKnauf:hb 2/24/64

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O. C. C.  
ARTESIA. OFFICE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



Washington, D. C.  
February 1, 1904

Dear Sir:  
The enclosed report  
contains the results of the  
work done during the past  
year.

The report is divided into two parts, the first of which  
contains a general summary of the work done during the past  
year, and the second part contains a detailed account of the  
work done in each of the several districts.

The work done during the past year has been very  
productive, and the results are of great value to the  
Department.

I am, Sir, very respectfully,  
Your obedient servant,  
C. D. Walcott, Director

Very respectfully,  
C. D. Walcott

Enclosed for the  
Director of the Geological Survey

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10)

(11) (12) (13) (14) (15)

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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.  
**MM-033775**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Leo J. Jennings Federal**

9. WELL NO.  
**17**

10. FIELD AND POOL, OR WILDCAT  
**North Basin Queen-Grayburg**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec 27, T-28-S, R-30-E**

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**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
**1650' FSL & 1650' FWL Sec 27**  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**6 miles south of Loco Hills, New Mexico**

12. COUNTY OR PARISH  
**Hddy**

13. STATE  
**New Mexico**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)  
**990'**

16. NO. OF ACRES IN LEASE  
**960**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**40**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
**990'**

19. PROPOSED DEPTH  
**3400'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**GR 3461'**

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
10-3/4"	7-5/8"	15.28#	525'	500#
6-3/4"	4-1/2"	9.50#	3400'	350#

\*350 sacks Class "C" 45 gal followed by 150 sacks Class "C" Neat.  
 \*\*350 sacks Class "C" Neat containing 10% salt by weight of cement.  
 This cement volume should fill to base of salt. Internally clean casing & install scratchers & centralizers 2800' to TD.

FORMATIONS

Anhydrite	330'
Top of Salt	430'
Base of Salt	1445'
Yates	1620'
Queen	2755'
Zone 1	2760'
" 2	2965'
" 3	3280'
TOTAL DEPTH	3400'

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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. SIGNATURE J. J. Valten TITLE Division Civil Engineer DATE 2/20/64

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(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

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## 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 re-drill 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.

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

FORM 2-57  
 Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

**SECTION A**

Operator <b>TEXACO Inc.</b>		Lease <b>Leo R. Manning-Federal "B" NCT-1</b>		Well No. <b>17</b>
Unit Letter <b>K</b>	Section <b>27</b>	Township <b>18 South</b>	Range <b>30 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>1650</b> feet from the <b>South</b> line and <b>1650</b> feet from the <b>West</b> line <b>Sec. 27</b>				
Ground Level Elev. <b>3461</b>	Producing Formation <b>Queen</b>	Pool <b>North Benson Queen-Grayburg</b>	Dedicated Acreage: <b>40</b> Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES  NO  ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES  NO . If answer is "yes," Type of Consolidation \_\_\_\_\_
3. If the answer to question two is "no," list all the owners and their respective interests below:

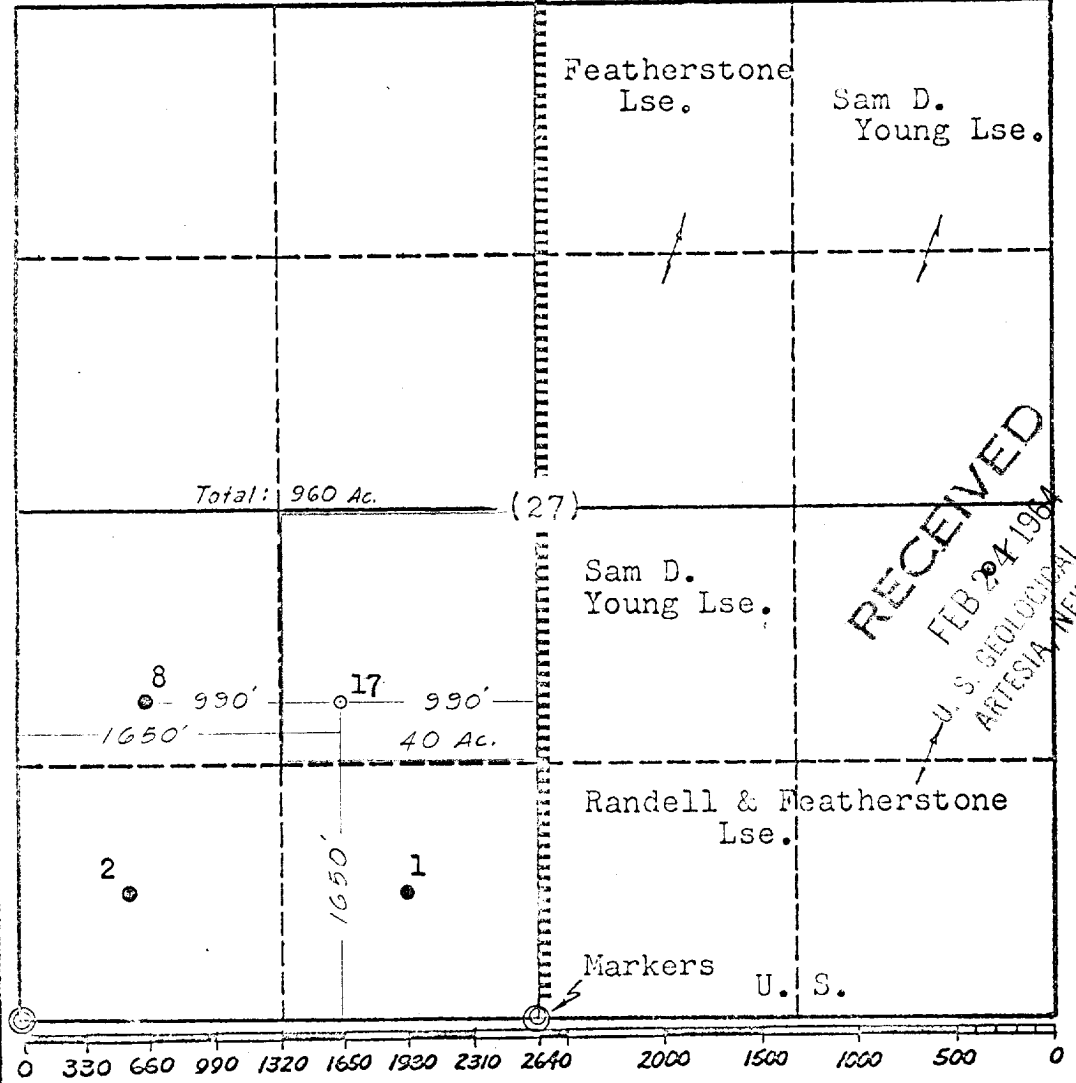
**RECEIVED**

Owner	Land Description

**FEB 28 1964**

**P. C. C.**  
**ARTEZIA OFFICE**  
**CERTIFICATION**

**SECTION B**



I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name **J. J. Velten**  
 Position **Division Civil Engineer**  
 Company **TEXACO Inc.**  
 Date **2/20/64**

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I hereby certify that the well location shown on the plat in SECTION B 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 **2/19/64**  
 Registered Professional Engineer and/or Land Surveyor  
**J. J. Velten**  
 Certificate No. **8174**