



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Drawer 1857
Roswell, New Mexico

December 6, 1963

Copy to 27

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

Gentlemen:

Your Notice of Intention to Drill well No. 13 Lee R. Manning "B" NCT-1 (copy attached) in the SW $\frac{1}{4}$ sec. 28, T. 18 S., R. 30 E., N.M.F.M., Eddy County, New Mexico, lease New Mexico 033775, to a depth of 3,350 feet to test the Grayburg 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,

(Orig.Sgd.) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Oil and Gas Supervisor

Attachment

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

JAKnauf:hb 12/4/63

RECEIVED

DEC 11 1963

O. C. C.
ARTESIA, OFFICE

RECEIVED
DEC 10 1963
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



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[Faint text, possibly a signature or name.]

[Faint text, possibly a title or reference.]

[Faint text, possibly a date or location.]

RECEIVED
[Faint, rotated text, possibly a date or office name.]

RECEIVED

DEC 1 1900

D. C. C.
ARTESIAL OFFICE

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[Faint text, possibly a date or reference.]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
Red Lac No. NM-033775

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
TEXACO Inc.

8. FARM OR LEASE NAME
Leo R. Manning "B" NCT-1

3. ADDRESS OF OPERATOR
P. O. Box 3109, Midland, Texas

9. WELL NO.
13

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface **660' FSL & 660' FWL Section 28**
 At proposed prod. zone

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28, T-18-S, R-30-E, NMPN

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
6 1/2 miles South of Loco Hills, New Mexico

12. COUNTY OR PARISH | 13. STATE
Eddy | New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)
660'

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.
1318'

19. PROPOSED DEPTH
3350'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
DF 3445

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
9-5/8 6 1/4	7" 4 1/2"	14.0# 9.5#	510 3350	500 **

*400 sacks Class "C" 4% Gel followed by 100 sacks Class "C" Neat.
 ** Install scratcher & centralizers over prospective pays & externally clean casing, same intervals, cement w/350 sacks Class "C" Neat containing 10% salt by weight of mixing water, use fresh water. Should cover to base of salt.

TOPS EXPECTED

Anhydrite	294'
Salt	499'
Yates	1514'
Queen	2700'
Total Depth	3350'

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 ROSWELL, NEW MEXICO
 ARTESIA, NEW MEXICO

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 depth. Give blowout preventer program, if any.

24. SIGNED J. J. Volten TITLE Division Civil Engineer DATE 12-2-63
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

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 redrill 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 C-128
 Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

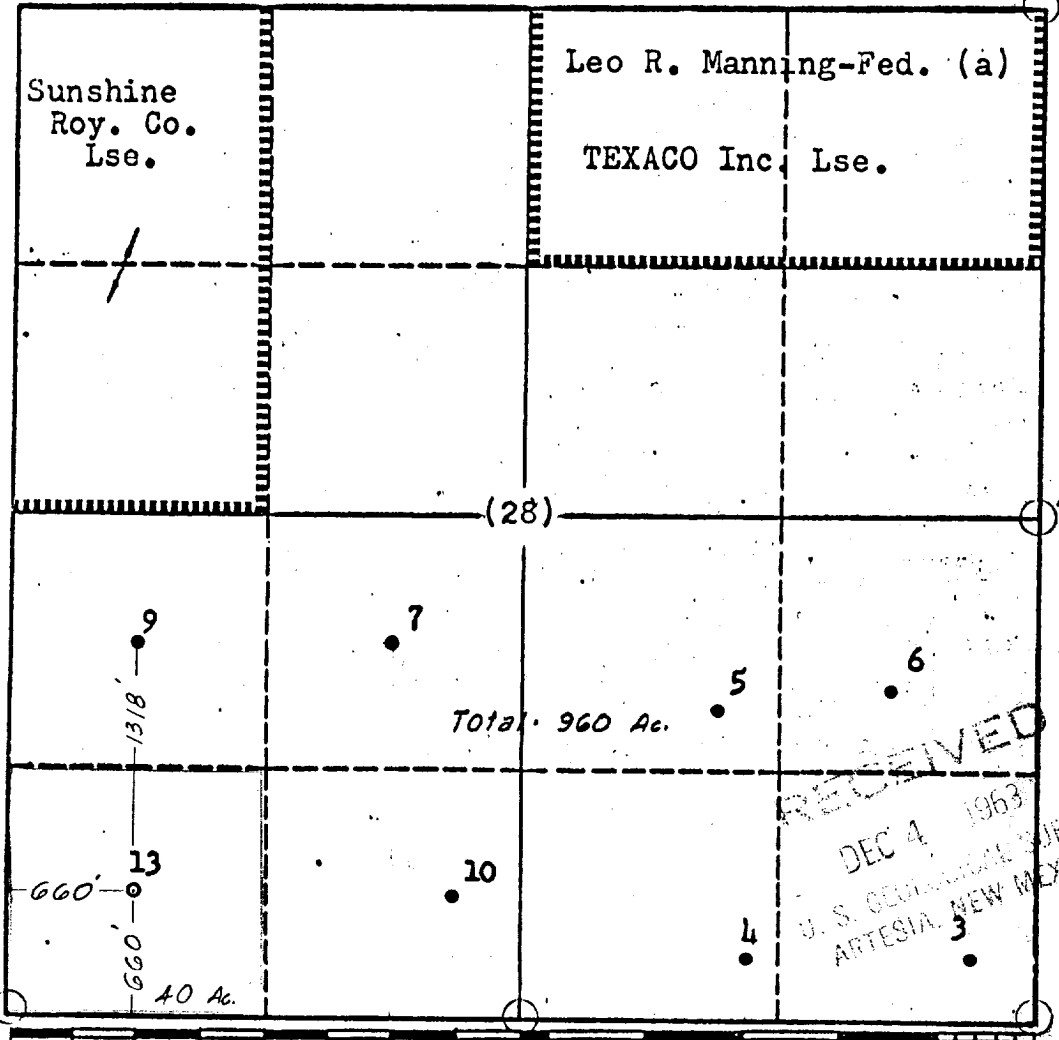
SECTION A

Operator TEXACO Inc.		Lease Leo R. Manning-Federal "B" NCT-1		Well No. 13
Unit Letter M	Section 28	Township 18 South	Range 30 East	County Eddy
Actual Footage Location of Well: 660 feet from the South line and 660 feet from the West line Sec. 28				
Ground Level Elev. 3434	Producing Formation Queen	Pool North Benson (Queen-Grayburg)	Dedicated Acreage: 40 Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES X 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:

Owner	Land Description

SECTION B



CERTIFICATION

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
J. J. Velten

Position
Division Civil Engineer

Company
TEXACO Inc.

Date
12/2/63

Markers

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
11/30/63

Registered Professional Engineer and/or Land Surveyor
J. J. Velten
J. J. Velten

Certificate No. **8174**