



*copy
Rec'd.*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Drawer U
Artesia, New Mexico 88210

IN REPLY REFER TO:

RECEIVED

DEC 10 1964

O. C. C.
ARTESIA, OFFICE

December 9, 1964

*copy
to J. E.*

Mr. A. L. Porter, Jr.
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Re: Oil-Potash Area

Dear Mr. Porter:

Attached is an "information copy" of a Notice of Intention to Drill a well to a depth of 3,400 feet to test the Queen formation in the NE1/4 sec. 27, T. 18 S., R. 30 E., N.M.P.M., Eddy County, New Mexico, filed by Texaco Inc., P. O. Box 3109, Midland, Texas. The location is on Federal oil and gas lease New Mexico 033775.

Sincerely yours,

(Dist. by) JAMES A. KNAUF

James A. Knauf
District Engineer

Attachment

cc w/notice:
NMCC, Artesia ✓
USGS, Roswell
USGS, Carlsbad



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WASHINGTON, D. C.
20508

June 10, 1963

Mr. J. W. G. Jones, Jr.

Washington, D. C.

Dear Mr. Jones:

Enclosed for you are two copies of

the report of the Geological Survey of

the Department of the Interior

on the subject of the

Geological Survey of the

Department of the Interior

which is a report of the Geological Survey of the Department of the Interior on the subject of the Geological Survey of the Department of the Interior. The report is a summary of the work of the Geological Survey of the Department of the Interior for the year 1962. It is a report of the Geological Survey of the Department of the Interior on the subject of the Geological Survey of the Department of the Interior.

Sincerely,
John W. G. Jones, Jr.

John W. G. Jones, Jr.
Director, Geological Survey

Attachment

1. Annual Report
2. Annual Report
3. Annual Report
4. Annual Report

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-115-10586
5. LEASE DESIGNATION AND SERIAL 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 ☐

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

990' FNL & 1651' FWL, Sec. 27

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

6.4 Miles South of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit 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.

1091'

19. PROPOSED DEPTH

3400'

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 3556'

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
13-3/4"	10-3/4"	32.75 & 21.63#	450'	350 **
9-7/8"	7-5/8"	24 & 15.28#	1700'	600 ***
6-3/4"	4-1/2"	9.5#	3400'	350 ****

- ** 200 sacks Class "C" 4% gel, followed by 150 sacks Class "C" Neat. Neat to contain accelerator.
- *** Cement with 600 sacks Class "C" 4% gel containing 1% calcium chloride. Use 3.1 pounds salt per gallon of mixing water.
- **** Casing to be delivered free of mill lacquer. If not, externally clean. Install centralizer over pay on every joint and on first three joints above pay. Cement with 350 sacks Class "C" Neat containing 10% salt by weight of mixing water.

NOTE: Saturated brine water will be used as drilling fluid - 450' to 1700'

FORMATION TOPS EXPECTED

Anhydrite	383'
Top of salt	513'
Base of salt	1533'
Yates	1730'
Queen	2845'

TOTAL DEPTH 3400'

Completion to be through perforations with acid & fracture treatment for stimulation.

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

Division Civil Engineer DATE 12/3/64

(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

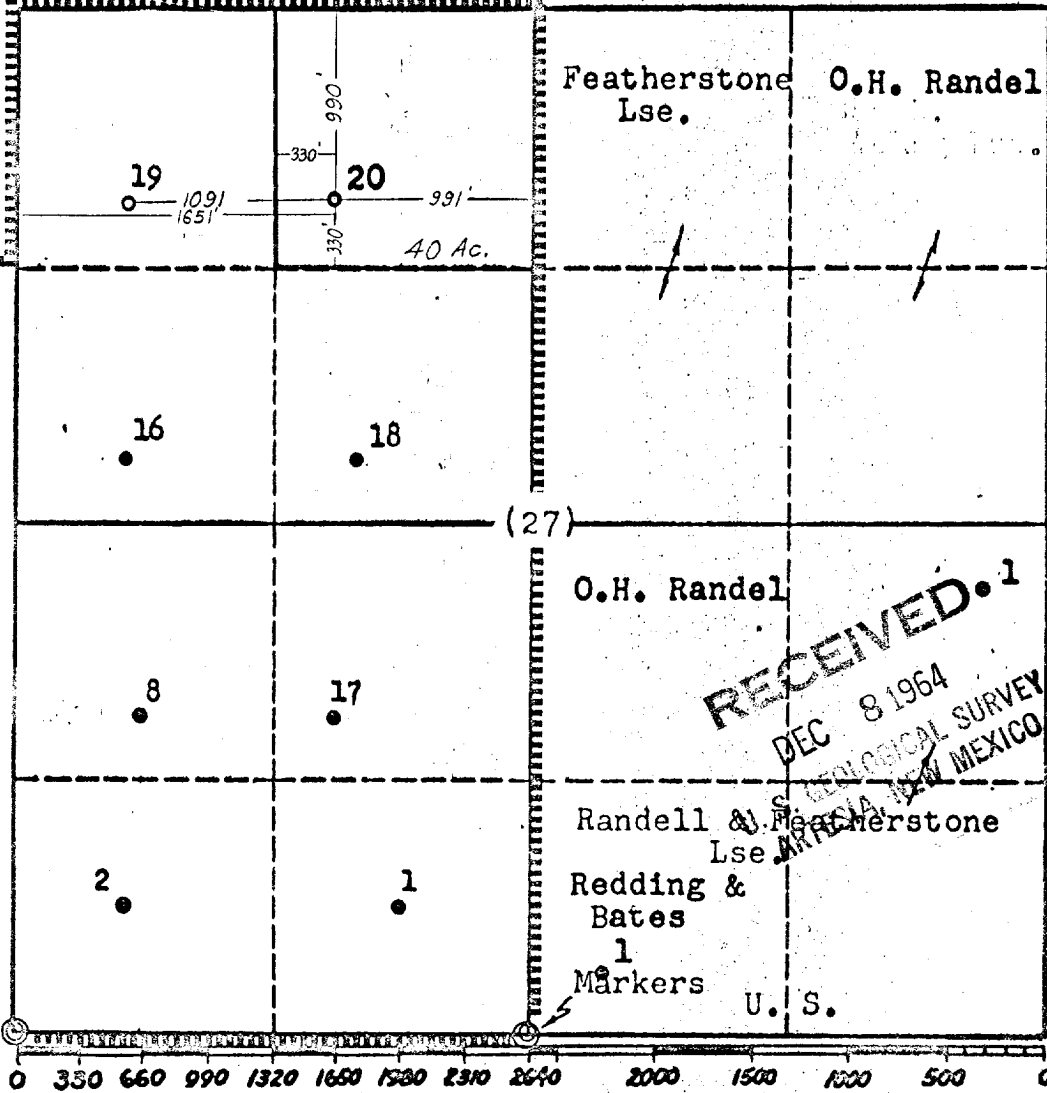
SECTION A

Operator TEXACO Inc.		Lease Leo R. Manning-Federal "B" NCT-1		Well No. 20
Unit Letter C	Section 27	Township 18 South	Range 30 East	County Eddy
Actual Footage Location of Well: 990' feet from the North line and 1651' feet from the West line Sec. 27				
Ground Level Elev. 3556'	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 ☒ 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 communization agreement or otherwise? YES ☐ NO ☐ If answer is "yes," Type of Consolidation **RECEIVED**
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description DEC 10 1964
	O. C. C. ARTESIA, OFFICE

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
Position Division Civil Engineer
Company TEXACO Inc.
Date 12/3/64

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 9/30/64
Registered Professional Engineer and/or Land Surveyor J. J. Velten
Certificate No. 8174