



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Drawer 1857
Roswell, New Mexico 88201

copy to S.F.

May 6, 1964

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

Gentlemen:

Your Notice of Intention to Drill well No. 18 Leo R. Manning Federal "B" NCT-1 (copy attached) in the SE1/4 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.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil & Gas Supervisor

Attachment

cc:
Washington
Mining Branch (2)
NMOCC-Artesia (2) (w/2 cys Notice) ✓
Artesia
Roswell (2)

JAKnauf:hb 5/1/64

RECEIVED

MAY 7 1964

O. C. C.
ARTEZIA, OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Washington, D. C. 20508

May 1, 1968

Mr. J. A. Anderson
Regional Office
Denver, Colorado

Enclosed for the Denver Regional Office are two copies of a letterhead memorandum (LHM) dated and captioned as above. The LHM is being furnished to you for your information and for your use in the field. The LHM is being furnished to you for your information and for your use in the field.

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Very truly yours,

John A. Anderson
Regional Office

John A. Anderson
Regional Office

Attachment

- 1 - Denver Regional Office
- 1 - Denver Regional Office
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- 1 - Denver Regional Office

REC-10

UNITED STATES
DEPARTMENT OF THE INTERIOR

Form 9-331C
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
PERMIT TO DRILL, DEEPEN, OR PLUG BACK

DEEPEN ☐

PLUG BACK ☐

SINGLE ZONE ☒

MULTIPLE ZONE ☐

OTHER

APPLICANT
1a. TYPE OF INC.

BOX 3100, Midland, Texas

(Report location clearly and in accordance with any State requirements.)

FWL and 1750' FWL, Sec. 27

IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

6.5 Miles South of Lone Hills, New Mexico

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

892'

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

1190'

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

16. NO. OF ACRES IN LEASE

960

19. PROPOSED DEPTH

3400'

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START

At once

23. GR-3532

PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
10-3/4"	7-5/8"	15.28	475'
6-3/4"	4-1/2"	9.5	3400'

QUANTITY OF CEMENT
500 sacks *
350 sacks **

CASING PROGRAM

Artyrite	415
Top of salt	515
Base salt	148
Yates	168
Queen	288
Total Depth	3400

- * 350 sacks Class "C" 4% gel followed by 150 sacks Class "C" Heat, all with accelerator.
- ** 350 sacks Class "C" Heat containing 10% salt by weight of cement. This cement volume should fill to base of salt. Externally clean casing & install centralizers & scratchers over prospective pays.

Plan to acidize and fracture the North Benson Queen Formation 2800' to Will acidize with 1750 gallons acid and fracture with 30,000 gallons of oil.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths.

SIGNED

(This space for Federal or State use)

PERMIT NO.

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

Division Civil Engineer

APPROVAL DATE

7 1964

TITLE

D. G. C. OFFICE

See Instructions On Reverse Side

cc: Duval Sulfur & Potash Company
Carlsbad, New Mexico

5. LEASE DESIGNATION AND SERIAL NO.
Fed. Le. # NM-033775

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Lee R. Manning Fed. "B"

9. WELL NO.

18

10. FILL AND POOL, OR WILDCAT

North Benson Queen

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 27, T-18-S, R-30-E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

- applicable State or Federal regulations concerning subsequent work proposals or reports on the well.
- Item 4: If there are no applicable State requirements and practices, either are shown below or will be issued by, or may be issued by, Federal and/or State office.
- Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plat, 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.
- Item 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-123
Revised 5/1/57

SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

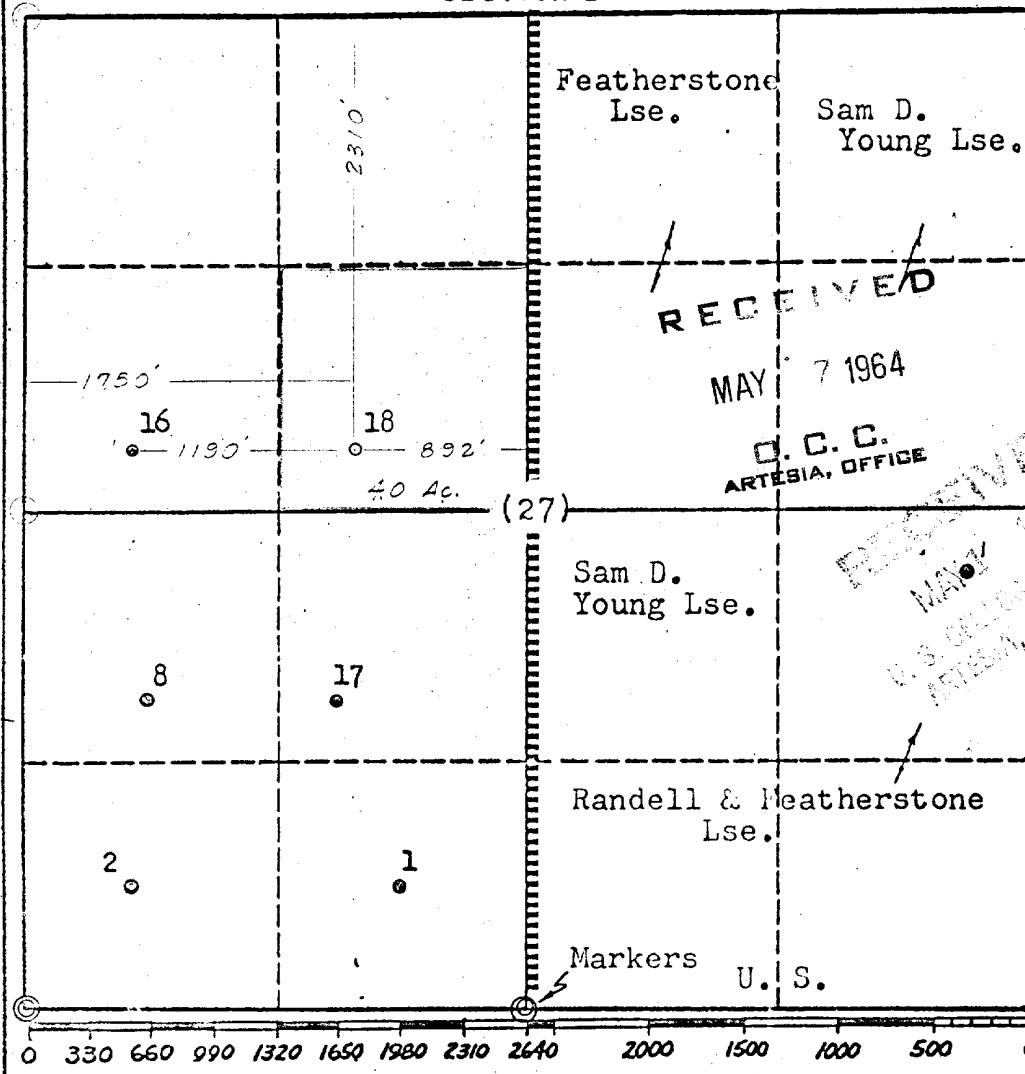
SECTION A

Operator TEXACO Inc.			Lease Leo R. Manning-Federal "B" NCT-1		Well No. 18
Unit Letter F	Section 27	Township 18 South	Range 30 East	County Eddy	
Actual Footage Location of Well: 2310 feet from the North line and 1750 feet from the West line Sec. 27					
Ground Level Elev. 3532	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 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
Position Division Civil Engineer
Company TEXACO Inc.
Date 4/30/64

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 4/29/64
Registered Professional Engineer and/or Land Surveyor J. J. Velten
Certificate No. 8174