



United States Department of the Interior

GEOLOGICAL SURVEY
P. O. Drawer 1857
Roswell, New Mexico 88201

MAR 27 1978

Texas American Oil Corporation
1012 Midland Savings Building
Midland, Texas 79701

Gentlemen:

Your Application for Permit to Drill well No. 2-Todd "23" Federal in the NW1/4 sec. 23, T. 23 S., R. 31 E., N.M.P.M., Eddy County, New Mexico, lease New Mexico 0405444, to a depth of 6150 feet to test the Cherry Canyon formation in the Petash Area, is hereby approved.

One copy of the Application is returned herewith. Please notify the District Engineer, Geological Survey, Post Office Drawer U, Artesia, New Mexico 88210, in sufficient time for a representative to witness all cementing operations. The office phone number is Area Code 505-746-9838.

Sincerely yours,

(ORIG. SGD) JAMES W. SUTHERLAND

AREA OIL AND GAS SUPERVISOR, SRMA

Attachment

CC:

Regional Manager, Denver
Mining Branch (2)
BLM, Roswell (w/cy Notice)
NMOCC, Artesia (2) (w/2 cys Notice) ✓
Artesia (w/cy Notice)
Albuquerque
Roswell (w/ cy Notice)
Albuquerque (chrono.)

NMOCC COPY

SUBMIT IN TR. DATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-22473

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

Texas American Oil Corporation

3. ADDRESS OF OPERATOR

1012 Midland Savings Bldg., Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1980' FSL, 1650' FEL

At proposed prod. zone

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

35 Miles Northwest of Jal, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1650'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

16. NO. OF ACRES IN LEASE

1320

17. NO. OF ACRES ASSIGNED

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

19. PROPOSED DEPTH

6150'

20. ROTARY OR CABLE TOOLS

Rotary

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

3456.2' GR

22. APPROX. DATE WORK WILL START*

July 1, 1977

23.

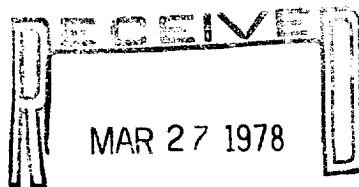
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	20#	600'	300 SX
7 7/8"	5 1/2"	14#	6150'	2400 SX

(1) Circulate cement on surface csg.

(2) Two stage cement tool at 4300' & cement as follows:

First stage - 600 sx Class "C" Incor w/6# salt/sx.

Second Stage - 1800 sx Lite w/3# gilsonite/sx. Cover
salt section & tie back to surface casing.

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U.S. GEOLOGICAL SURVEY
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ALBUQUERQUE, 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 depths. Give blowout preventer program, if any.

24.

SIGNED

R. D. Henson

TITLE

Asst. Prod. Supt.

DATE

6-1-77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator TEXAS AMERICAN OIL CORPORATION		Lease Todd "23" Federal		Well No. 2
Section Letter "J"	Section 23	Township 23 South	Range 31 East	County Eddy
Actual Well Location of Well: 1980 feet from the South line and 1650 feet from the East line				
Ground Level Elev. 3456.2	Producing Formation Cherry Canyon	Pool San Dunes (Cherry Canyon)	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

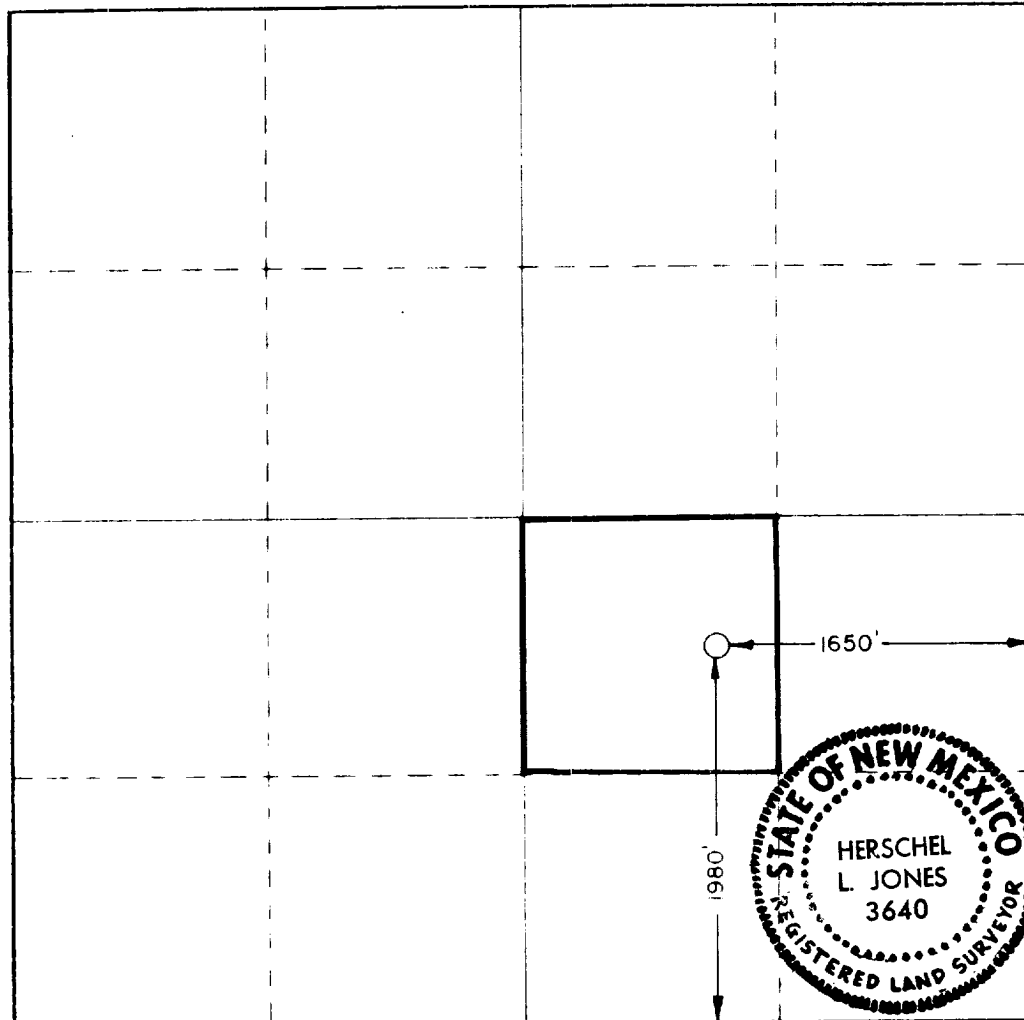
If answer is "no," list the owners and tract descriptions which have actually been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

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.

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**U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO**



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
R. D. Henson
Position
Asst. Prod. Supt.

Texas American Oil Corp.
Company

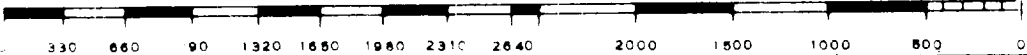
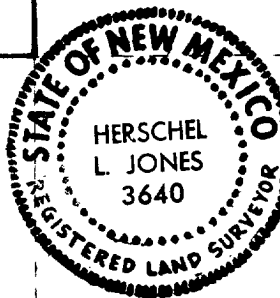
June 1, 1977
Date

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
May 23, 1977

Registered Professional Engineer
and/or Land Surveyor

[Signature]
Certificate No.
3640



2. PLANNED HIGHWAY
T 235 R 31 E SEC 23

B. Width 12 feet B. Maximum grade 8° C. TURNOUTS NONE SEC 23

D. Drainage design - Ditch area in drainage problem - E. Location and size of culverts and over Description of any major cuts and fills - NONE

F. Surfacing material - Caliche

G. Necessary gates, cattleguards, or fence cuts - One new cattleguard -

H. New proposed road has non centerline - Flagged -

EXHIBIT "B"

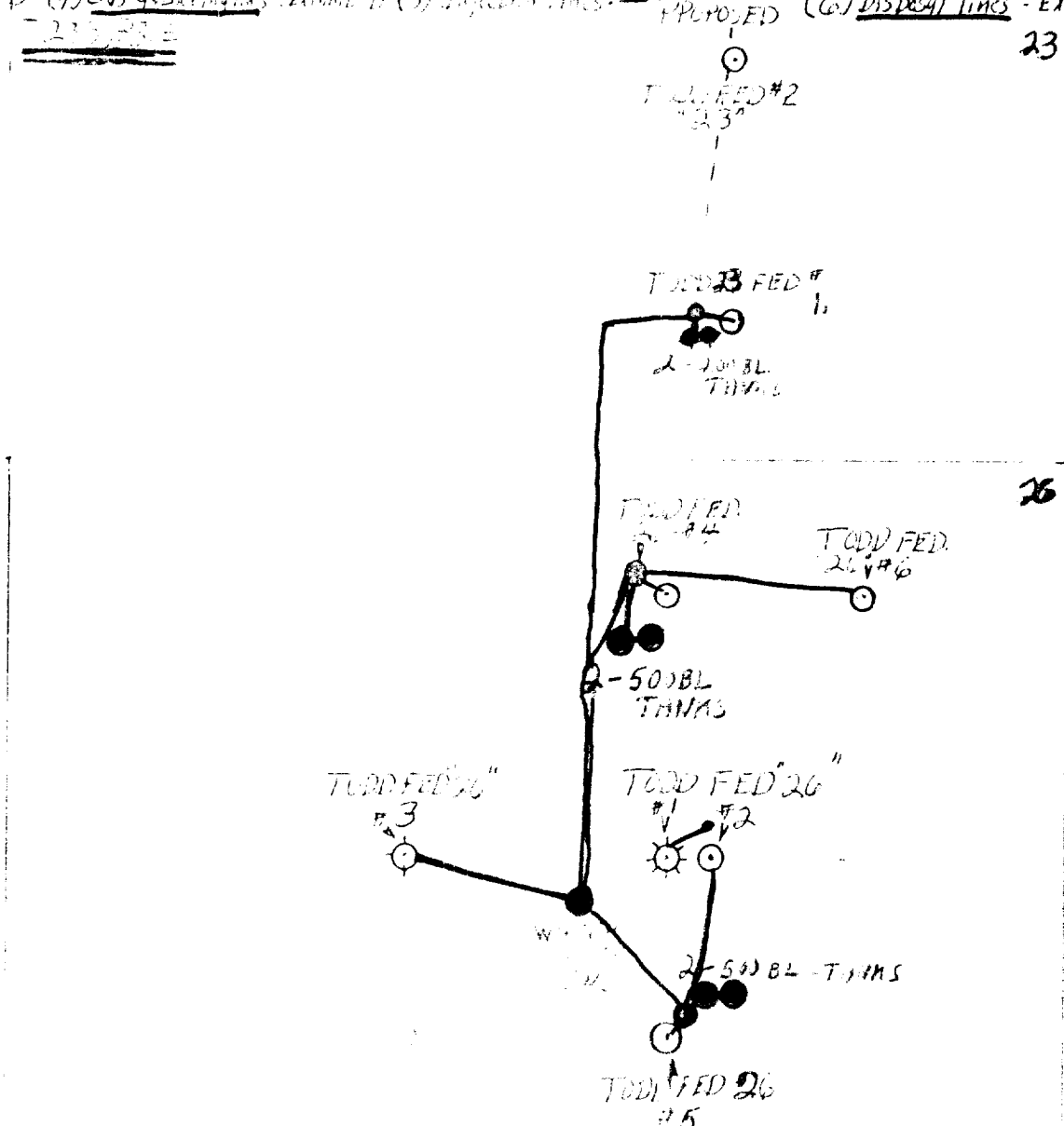
PROPOSED
T 235 R 31 E FEDERAL #2.



14. Location of Existing and Proposed Facilities

A. Within 1/4 mile of the location show the following existing facilities owned or controlled by Lesco/Operator

- (1) Tank batteries - See Exhibit D (2) Production Facilities - See Exhibit D (3) Oil Gathering Lines - Exhibit D (4) Gas gathering lines - Exhibit D (5) Injection lines - ^{near} PROPOSED (6) Disposal lines - Exhibit "D".



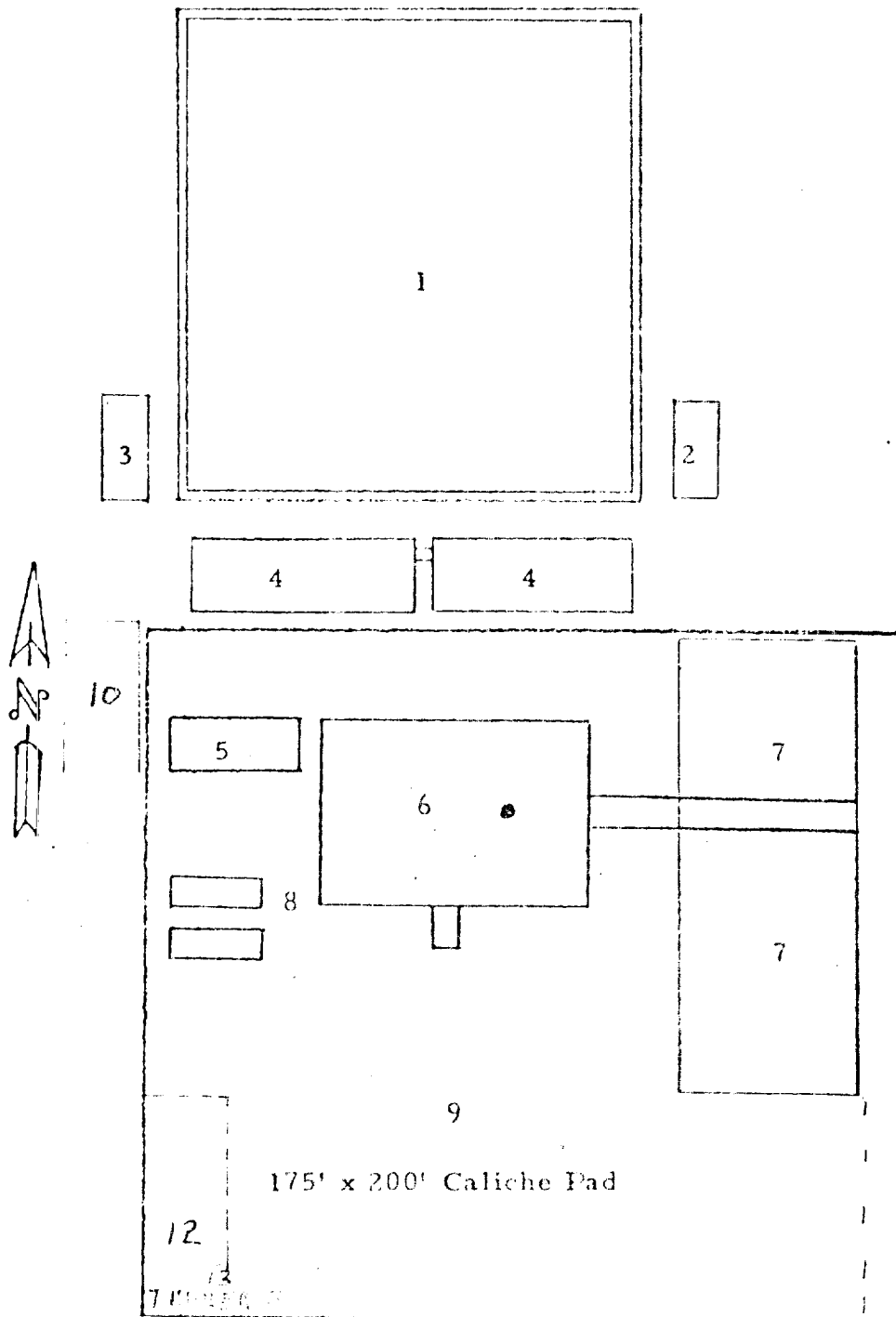
at Lesco and not Lesco

B. If new facilities are contemplated, in event of production show:

If the proposed well TODD FED #23 #2 is productive, the existing tank battery on which point TODD FED #23 #1 will be utilized and the line from TODD FED #23 #2 will be laid on planned access road right-of-way.

C. Plan for rehabilitation of disturbed areas no longer need for operations after EXHIBIT D construction complete. Area will be returned to as normal a condition as possible.

DRILLING LOCATION



- 1 - Reserve Pit (To be lined)
- 2 - Waste Water Pit
- 3 - Burn Pit
- 4 - Mud Tanks
- 5 - Mud Pump
- 6 - Drilling Rig
- 7 - Pipe Racks
- 8 - Water Storage Tanks
- 9 - Caliche Pad
- 10 - Soil Material stockpiles
- 11 - Access Road
- 12 - Parking areas
- 13 - Living Trailer space - (if needed)

"
1 1/2" = 50'