

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 ☐

2. NAME OF OPERATOR

Superior Oil Company, The

3. ADDRESS OF OPERATOR

P. O. Box 633, Midland, Texas 79702

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

At surface

660' FNL, 660' FEL of Section 12.

At proposed prod. zone

Same

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

8.5 miles NE from Carlsbad, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit (Sec. if any.)

660' East, 660' South

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING COMPLETED.

OR APPLIED FOR, ON THIS LEASE, FT.

#8 @ 1320'

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

3189' GR

23.

PROPOSED CASING AND CEMENTING PROGRAM

New Casing

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	48	650'	675 sx circ. to surface
11 1/2 1/4"	8-5/8"	24	2200-2400'	720 sx circ. to surface
7-7/8"	5 1/2"	15.5	5800'	690 sx circ. to surface

CEMENTING PROGRAM:

13-3/8" csg to be cmt'd to surface w/675 sx Class C 2% CaCl₂, 1#/sx flocele.8-5/8" csg to be cmt'd to surface w/720 sx 40WCO Lite w/14#/sx flocele and Class C w/2% CaCl₂. **200 SX**

5 1/2" csg to be cmt'd w/690 sx Trinity LW + 1#/sx flocele and Class C Neat.

30P:

See Attachment

16. 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 prevention program, if any.

24.

SIGNED G. E. Tate, G. E. Tate, as Env. & Reg. Manager
Agent for The Superior Oil Company
(This space for Federal or State office use)DATE July 8, 1985

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY [Signature]

TITLE _____

DATE 7-23-85

CONDITIONS OF APPROVAL, IF ANY: _____

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

All distances must be from the outer boundaries of the Section.

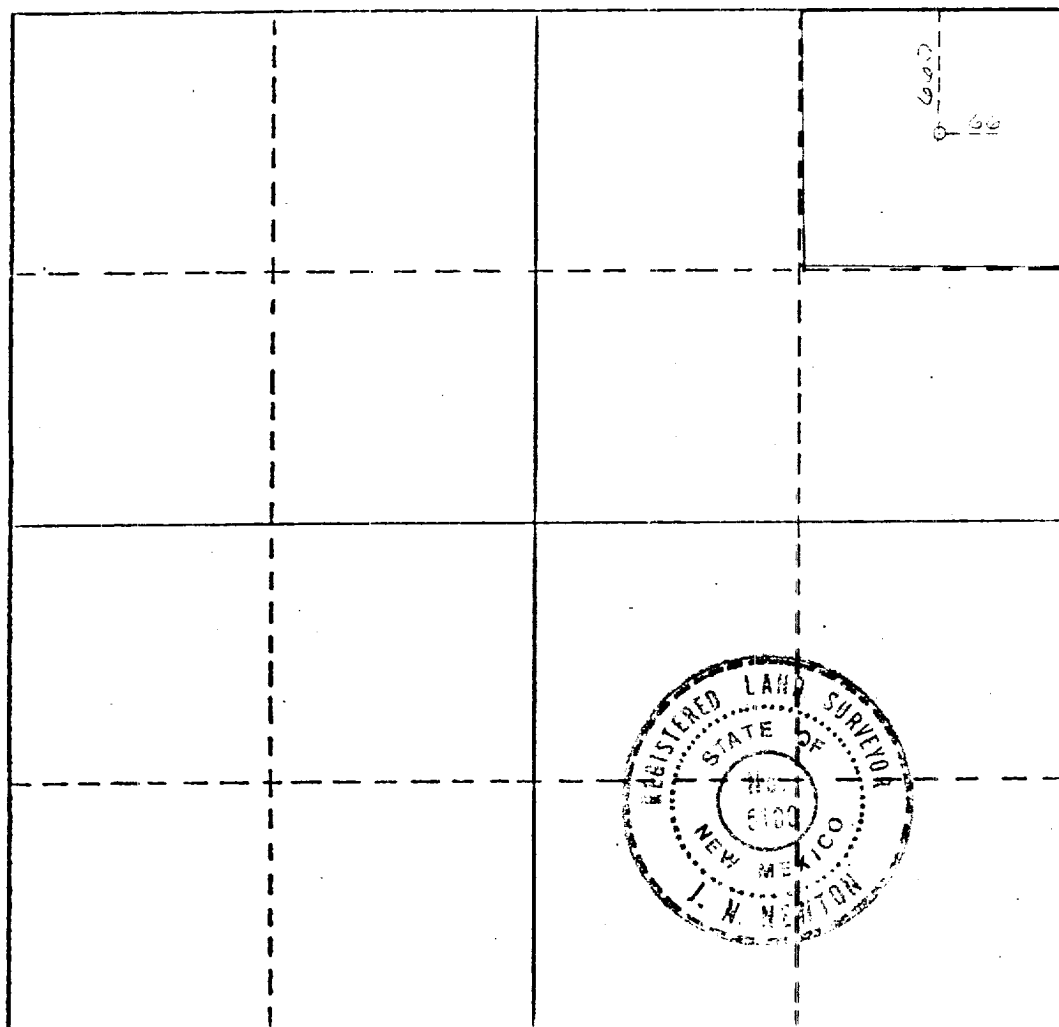
Operator Superior Oil Company, The			Lease Government "D"		Well No. 10
Unit Letter A	Section 12	Township 21-S	Range 27-E	County Eddy	
Actual Footage Location of Well: 660 feet from the north line and 660 feet from the east line					
Ground Level Elev. 3189'	Producing Formation Bone Spring, East		Pool Avalon	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been 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. (Use reverse side of this form if necessary.) _____

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 Division.



CERTIFICATION

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

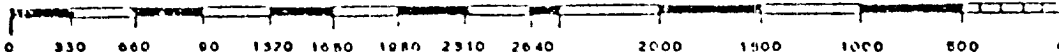
G.E. Tate G.E. Tate
Name
as Agent for Superior Oil Co.,
Position The
Env. & Reg. Manager
Company
Mobil Producing TX. & N.M. Inc.

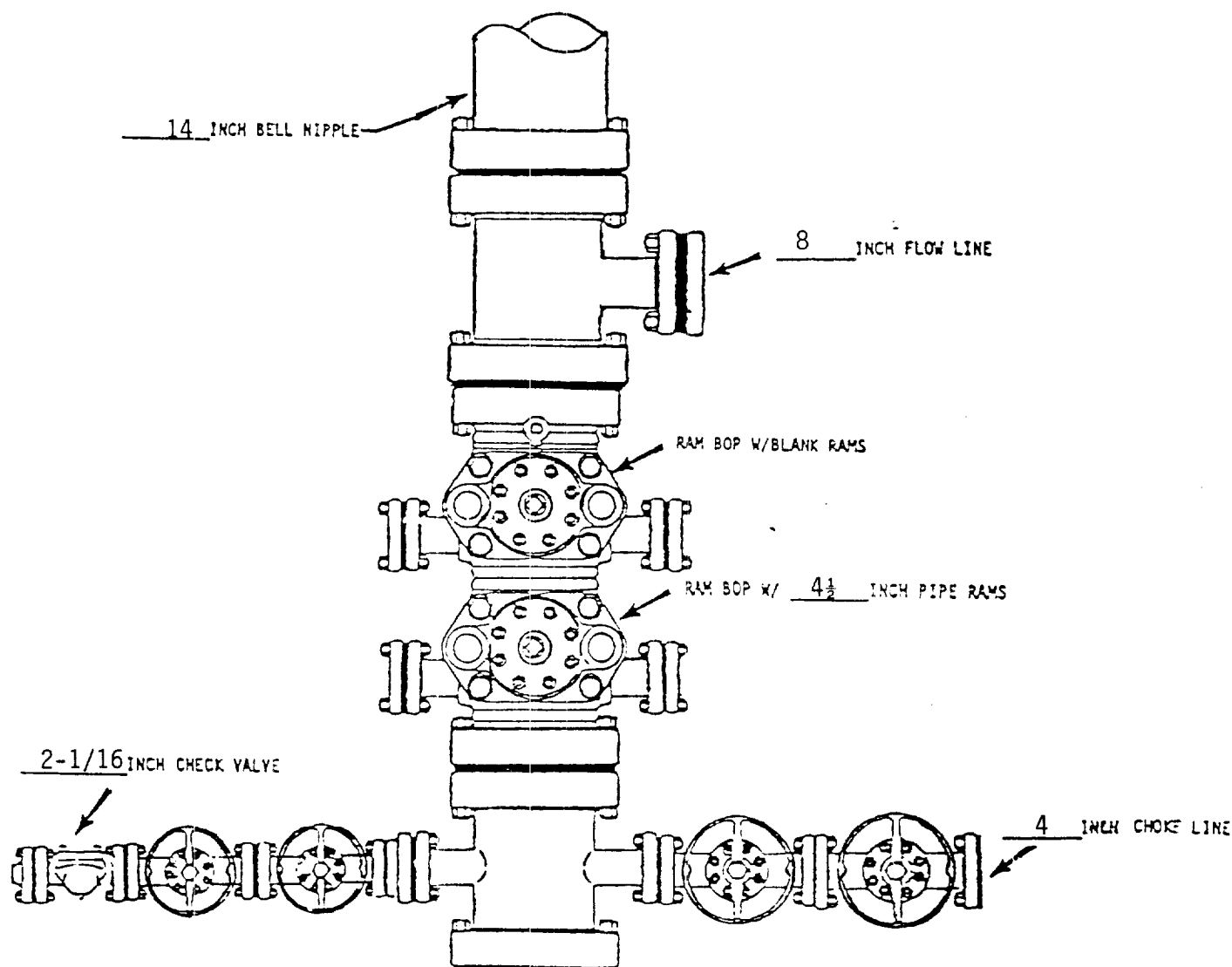
Date
July 8, 1985

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
5-9-85
Registered Professional Engineer
and/or Land Surveyor

J. N. Newton
Certificate No.
5109





*NOTE: ALL VALVES ARE METAL-TO-METAL SEAL AND FLANGED. ALL COMPONENTS MUST MEET ABOVE MINIMUM PRESSURE RATINGS. ALL COMPONENTS TO BE TESTED TO RATED PRESSURE AFTER ASSEMBLY AND BEFORE FURTHER DOWNHOLE OPERATIONS MAY BE CONDUCTED.

Mobil Producing Texas & New Mexico Inc. Houston, Texas		Scale
Well # <u>10</u> Government "D" (Lease)		Date
Eddy County, NM State Blowout Preventer Assembly (11-13 5/8 IN. 3000 PSI WP*)		Drawn
		Checked
		Approved
		Revised

MOBIL PRODUCING TX. & N.M. INC.

LEASE: Government "D"

WELL: 10

FIELD: Avalon - Bone Spring, East

COUNTY: Eddy

STATE: NM

TEN POINT WELL CONTROL & RESOURCE PROTECTION DATA

1. The geologic name of the surface formation Quaternary.
2. The estimated tops of important geologic markers.

<u>Formation Name</u>	<u>Depth (Top)</u>
<u>Delaware</u>	<u>2900'</u>
<u>Bone Spring</u>	<u>5400'</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

3. The estimated depth at which anticipated water, oil, gas or other mineral-bearing formations are expected to be encountered.

<u>Formation Name</u>	<u>Depth (Top)</u>	<u>Type of Mineral</u>
<u>Delaware</u>	<u>2900'</u>	<u>Oil/Water</u>
<u>Bone Spring</u>	<u>5400'</u>	<u>Oil/Gas</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

4. The proposed casing program, including the size, grade, and weight-per-foot of each string and whether new or used. (Shown on Form 9-331C)
5. The lessee's or operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings (or API series), and the testing procedures and testing frequency. (See attachment)

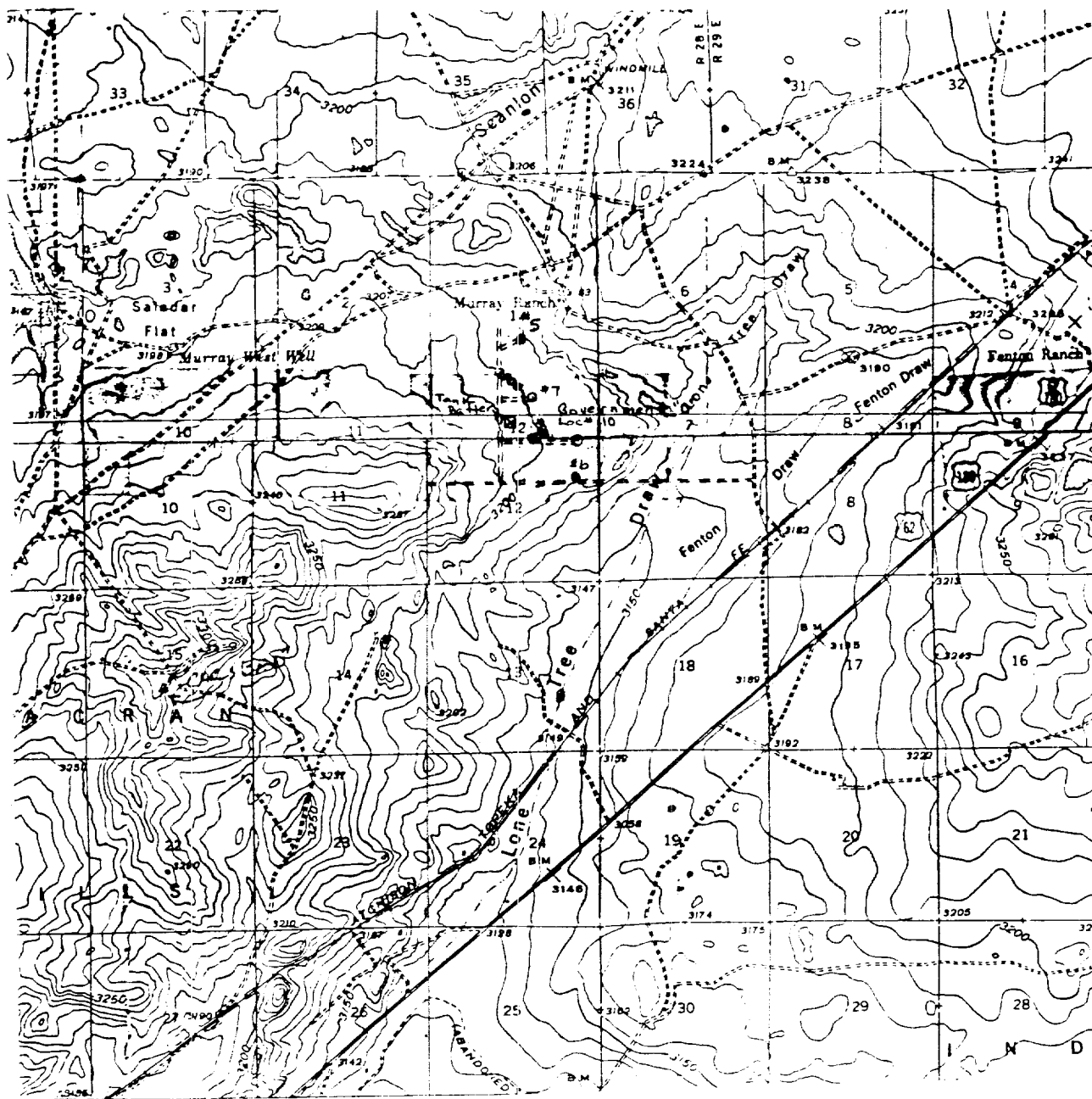
6. The type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained.

<u>Depth (ft.)</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>
<u>0 - 650'</u>	<u>Spud</u>	<u>8.5 - 8.8</u>	<u>34 - 40</u>	<u>NC</u>
<u>650 - 2600'</u>	<u>FW</u>	<u>8.4 - 8.5</u>	<u>28</u>	<u>NC</u>
<u>2600 - 5400'</u>	<u>Cut Brine</u>	<u>8.5 - 8.7</u>	<u>28</u>	<u>NC</u>
<u>5400 - 5800'</u>	<u>Cut Brine</u>	<u>8.5 - 8.7</u>	<u>32 - 34</u>	<u>15 - 18</u>

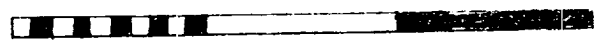
R. 27 E

R. 28 E

T. 21 S.



- Proposed well location
- ⊠ Proposed Tank Battery
- == Proposed Road

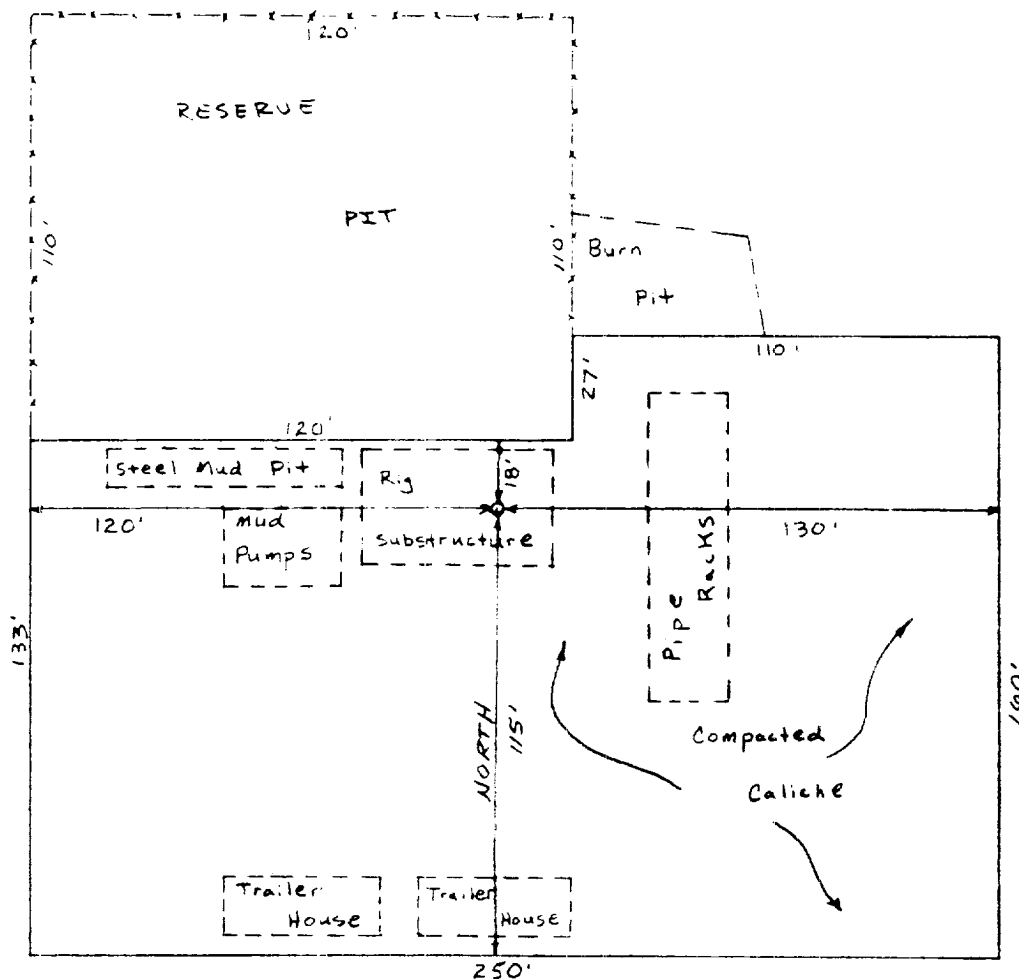


Scale in miles

Mobil Producing Texas & New Mexico Inc.

Vicinity Map of Government
"D" Location #10 Section 12
T-21-S R-27-E Eddy Co. N.M.

DRAWN G.E.W.	SCALE 1"=1 MILE
CHECKED	DATE 5-12-35
APPROVED	REVISED



Mobil Producing Texas & New Mexico Inc.

Government "D" Location Pad
Layout Map Eddy County,
New Mexico.

DRAWN GEW	SCALE 1"=50'
CHECKED	DATE 5-14-85
APPROVED	REVISED