

# Mobil Producing Texas & New Mexico Inc.

June 6, 1986

State of New Mexico  
Energy and Minerals Department  
Oil Conservation Division  
State Land Office Building  
Post Office Box 2088  
Santa Fe, New Mexico 87501

P.O. BOX 633  
MIDLAND, TEXAS 79702  
MIDLAND DIVISION

*Case 5937*

Attention: Dave Catanach

7.01  
UNORTHODOX WELL LOCATION  
MOBIL PRODUCING TX & NM, INC.  
FEDERAL "CCC", WELL NO. 2  
NORTHEAST SQUARE LAKE FIELD  
EDDY COUNTY, NEW MEXICO

Gentlemen:

Mobil Producing Texas & New Mexico, Inc. (MPTM), is applying for authority to drill the subject well at an unorthodox location under the provisions of Rule 104 (F). The well is located closer than 330 feet from the quarter-quarter line and less than 330 feet from the lease line. The subject well will be completed in the Premier Sand formation.

MPTM asks that you consider that our original location was a regular location, moved at the request of the BLM, in order to prevent undue surface disturbance. In order to stay in the best geological location, it was necessary to move to an unorthodox location. If possible, we ask that the requested unorthodox location be granted administratively, due to these circumstances.

Copies, in triplicate, of the original Application for Permit to Drill submitted to the BLM, are enclosed for your use. Also, all offset operators have been notified and their waivers requested by certified mail. Please call C.A. Moore at (915) 688-1772 if you have any questions.

Yours very truly,



G.E. Tate  
Env. and Reg. Manager

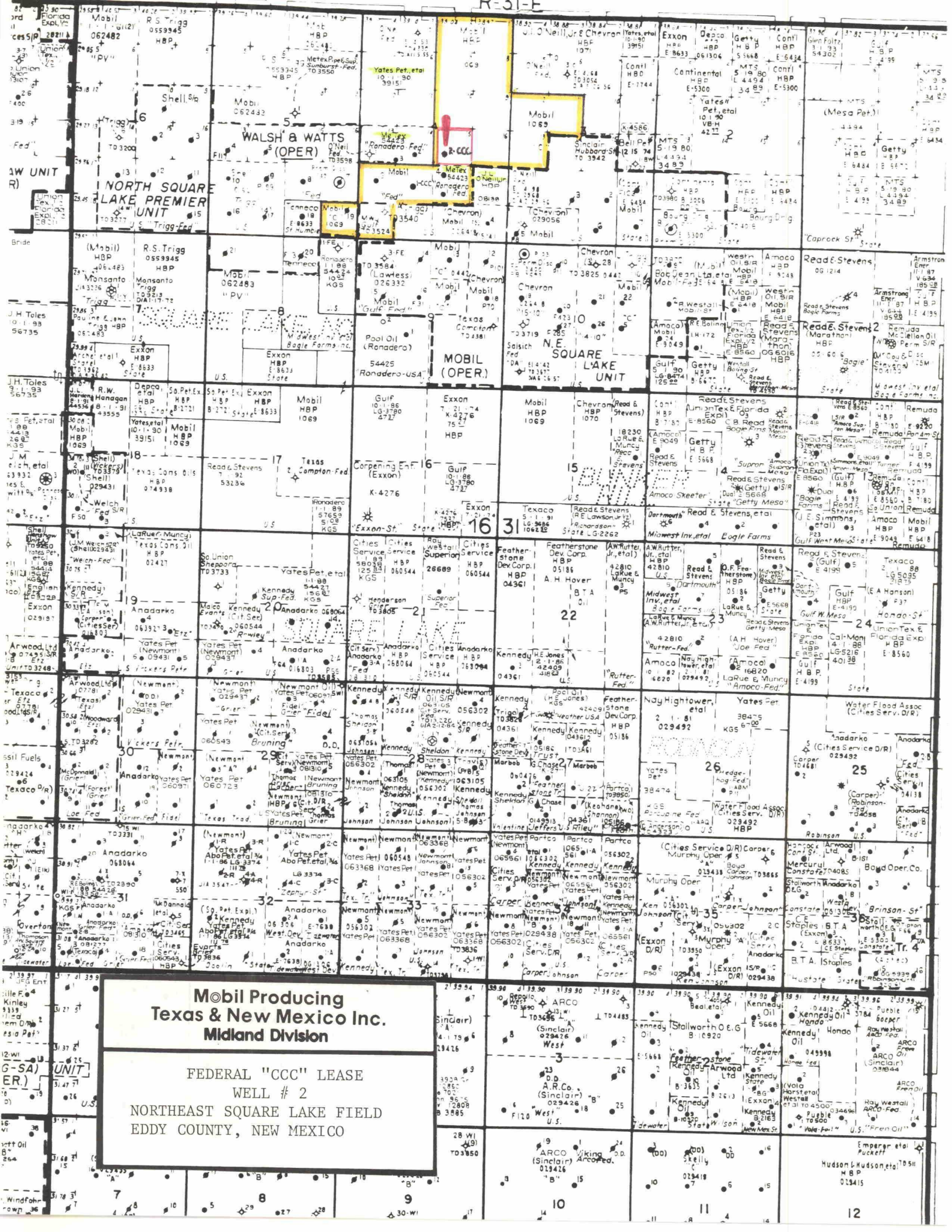
CAM/am  
Attachments

cc: Bureau of Land Management

A:M6042DCA.JBP

**Mobil Producing  
Texas & New Mexico Inc.  
Midland Division**

FEDERAL "CCC" LEASE  
WELL # 2  
NORTHEAST SQUARE LAKE FIELD  
EDDY COUNTY, NEW MEXICO



# Mobil Producing Texas & New Mexico Inc.

June 6, 1986

P.O. BOX 633  
MIDLAND, TEXAS 79702

CERTIFIED MAIL

MIDLAND DIVISION

O'Neill Properties, LTD.  
Box 2840  
Midland, Texas 79702

FEDERAL "CCC" WELL #2  
2410 FEL; 2970 FSL  
SEC. 4, T-24-N, R-3-W  
NORTHEAST SQUARE LAKE FIELD  
EDDY COUNTY, NEW MEXICO

Dear Gentlemen:

Mobil Producing Texas and New Mexico, Inc. (MPTM) has made application to the New Mexico Oil Conservation Division and the Bureau of Land Management to drill the subject well on an unorthodox location 2410 FEL and 2970 FSL of Sec. 4, T-24-N, R-3-W in Eddy County, New Mexico. This unorthodox location is necessary because the BLM has asked us to move from a regular location on which the building of the location would require extensive dirt work.

If you have no objection to the drilling of this well, on the above captioned unorthodox location, please complete the enclosed waivers and return two copies to the New Mexico Oil Conservation Division and one copy to MPTM, in the self-addressed envelopes. The fourth copy is for your records.

If you have any questions concerning this application, please call C.A. Moore at (915) 688-1772.

Very truly yours,



G. E. Tate  
Environmental and Regulatory Manager

CAM/hjw

A:M615369A.CAM

# Mobil Producing Texas & New Mexico Inc.

June 6, 1986

P.O. BOX 633  
MIDLAND, TEXAS 79702

CERTIFIED MAIL

MIDLAND DIVISION

Yates Petroleum Corp.  
207 S. 4th Street  
Artesia, New Mexico 88210

FEDERAL "CCC" WELL #2  
2410 FEL; 2970 FSL  
SEC. 4, T-24-N, R-3-W  
NORTHEAST SQUARE LAKE FIELD  
EDDY COUNTY, NEW MEXICO

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If you have any questions concerning this application, please call C.A. Moore at (915) 688-1772.

Very truly yours,



G. E. Tate  
Environmental and Regulatory Manager

CAM/hjw

A:M615369A.CAM

# Mobil Producing Texas & New Mexico Inc.

June 6, 1986

P.O. BOX 633  
MIDLAND, TEXAS 79702

CERTIFIED MAIL

MIDLAND DIVISION

Metex Supply Co.  
Box 2070  
Hobbs, New Mexico 88240

FEDERAL "CCC" WELL #2  
2410 FEL; 2970 FSL  
SEC. 4, T-24-N, R-3-W  
NORTHEAST SQUARE LAKE FIELD  
EDDY COUNTY, NEW MEXICO

Dear Gentlemen:

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If you have any questions concerning this application, please call C.A. Moore at (915) 688-1772.

Very truly yours,



G. E. Tate  
Environmental and Regulatory Manager

CAM/hjw

A:M615369A.CAM

WAIVER

Mobil Producing TX & NM, Inc.  
Attention: G. E. Tate  
Post Office Box 633  
Midland, Texas 79702

RE: UNORTHODOX WELL LOCATION  
MOBIL PRODUCING TX & NM, INC.  
FEDERAL "CCC", WELL NO. 2  
NORTHEAST SQUARE LAKE FIELD  
EDDY COUNTY, NEW MEXICO

Gentlemen:

We, the undersigned, have been furnished a copy of Mobil Producing Texas & New Mexico, Inc.'s application to drill the subject well on an unorthodox location under the provisions of Rule 104.F.I. Please be informed that we, as an offset operator, have no objection to the drilling of this well as set forth in MPTM's application dated June 6, 1986.

Yours truly,

Company \_\_\_\_\_

Representative \_\_\_\_\_

Signature \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**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  
 Mobil Producing Tx. & N.M., Inc.

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  
 2970' FSL; 2410' FEL, Sec. 4  
 At proposed prod. zone  
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 9.1 miles NW of Maljamar, N.M.

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)                      230'

16. NO. OF ACRES IN LEASE  
 1228

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.                      900'

19. PROPOSED DEPTH  
 3650'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4170' GL

22. APPROX. DATE WORK WILL START\*  
 7-15-86

5. LEASE DESIGNATION AND SERIAL NO.  
 NM 1069

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Federal "CCC"

9. WELL NO.  
 2

10. FIELD AND POOL, OR WILDCAT  
 Northeast Square Lake

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 4, T-16-S, R-31-E

12. COUNTY OR PARISH                      13. STATE  
 Eddy                      New Mexico

**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	24 k-55	0-400'	1. 445 Cu.Ft. Circulated to Surface
7-7/8	5 1/2	14 K-55	0-3650'	2.a. 1165 Cu.Ft. from 2850' to Surf. b. 327 Cu.Ft. from TD to 2850'

CEMENTING PROGRAM

- 1. Class C + 1/4# sx. FC
- 2.a. Trinity Lite Weight + 11.25# sx. salt + 1/4# sx. FC
- b. Class C + 1/4# sx. FC

DLL-GR                      TD-400'  
 FDT-CNL-GR                      TD-400'  
 CNL-GR                      400' to Surface

LOGGING PROGRAM

MUD PROGRAM


DEPTH	TYPE	MUD WT.	VISC. SE/QT	WATER LOSS
0-400'	Spud	8.3-9.0	32-34	NC
400'-3200'	Brine	8.3-10.0	28-30	NC
3200'-TD	Salt Gel	10.0-10.5	34-36	+ 15

BLOWOUT PREVENTER PROGRAM

See Attached Diagram

There are no other wells on this quarter-quarter section.

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  G.E. Tate                      TITLE Env. & Reg. Manager                      DATE 6-5-86

(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**

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-78

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

Operator <b>MOBIL PRODUCING TX. &amp; N.M. INC.</b>		Lease <b>FEDERAL "CCC"</b>		Well No. <b>2</b>
Unit Letter <b>0</b>	Section <b>4</b>	Township <b>16-S</b>	Range <b>31-E</b>	County <b>EDDY</b>
Actual Footage Location of Well: <b>2410</b> feet from the <b>EAST</b> line and <b>2970</b> feet from the <b>SOUTH</b> line				
Ground Level Elev. <b>4170</b>	Producing Formation <b>Premier</b>	Pool <b>Northeast Square Lake</b>	Dedicated Acreage: <b>40</b> Acres	

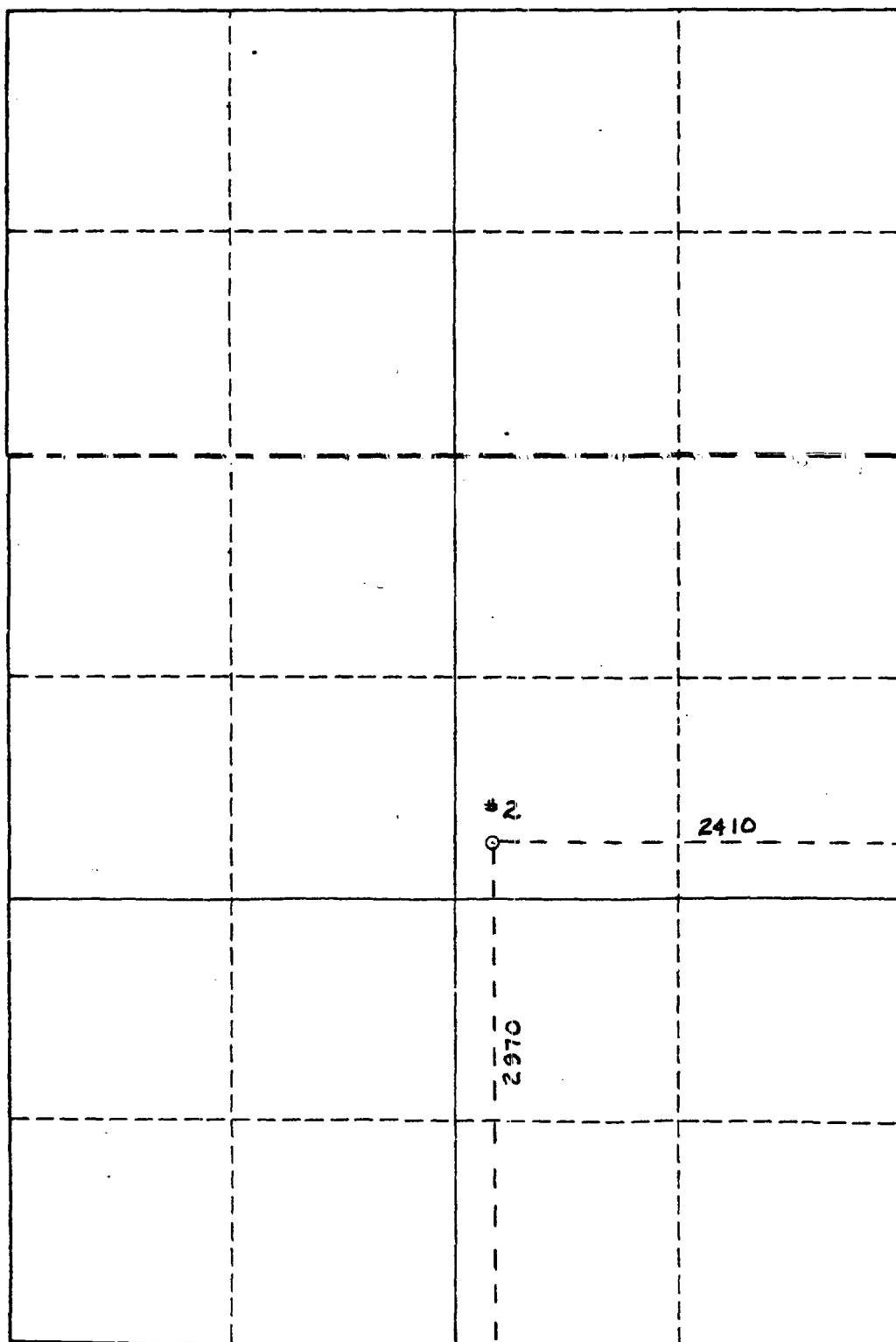
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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.

There are no other wells in this quarter-quarter section.



CERTIFICATION

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

*[Signature]*

Name  
**G.E. Tate**

Position  
**Env. & Reg. Manager**

Company  
**Mobil Producing TX & NM, Inc.**

Date  
**June 5, 1986**



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  
**14 MAY 1986**

Registered Professional Engineer and/or Land Surveyor:  
*[Signature]*

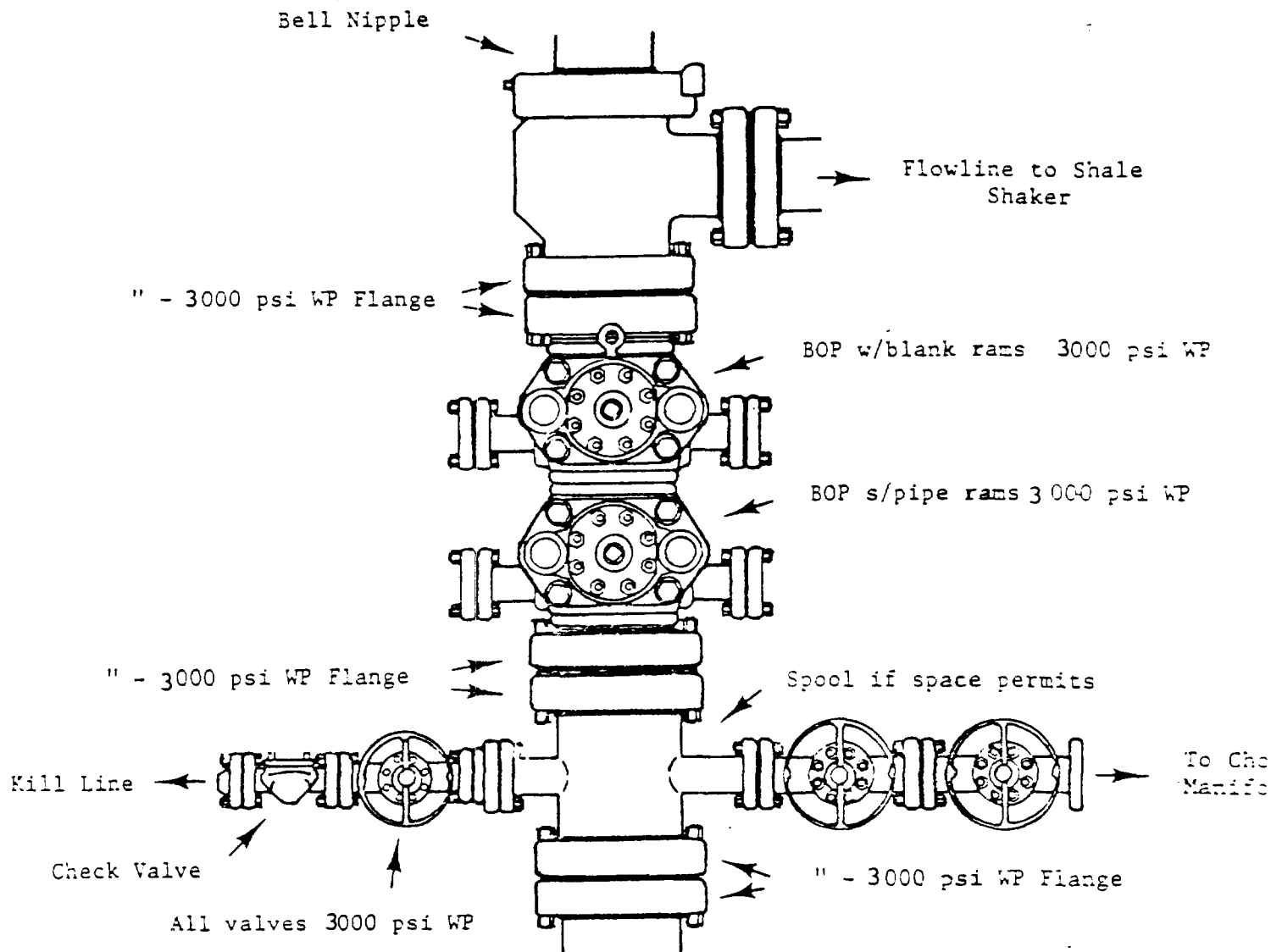
Certificate No.  
**9669**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



PROPOSED BOP STACK

8 5/8" CASING



Mobil Producing  
Texas & New Mexico Inc.  
Houston, Texas

Lease Federal "CCC"

Well Number 2

County Eddy State NM

MOBIL PRODUCING TEXAS AND NEW MEXICO INC.

SURFACE USE AND OPERATION PLAN  
FEDERAL "CCC" LOCATION #2  
2410 FEL & 2970 FSL  
SECTION 4 T-16-S R-31-E  
EDDY COUNTY, NEW MEXICO

1. EXISTING ROADS

SEE ATTACHED FEDERAL "CCC" LOCATION #2 AREA MAP

2. PLANNED ACCESS ROAD

The planned access road will be 520 feet long with a cleared width of 30 feet and a 12 feet wide caliche driving surface. The maximum grade will be approximately 3%. The terrain crossed is a general 2% upslope to the east on sandy type soil.

SEE ATTACHED FEDERAL "CCC" LOCATION #2 EXISTING ROAD AND WELL MAP

3. LOCATION OF EXISTING WELLS

SEE ATTACHED FEDERAL "CCC" LOCATION #2 EXISTING ROAD AND WELL MAP

4. LOCATION OF TANK BATTERY, PRODUCTION FACILITIES, AND PRODUCTION, GATHERING, AND SERVICE LINES.

When the well is completed a flowline will be laid to the existing Federal "CCC" tank battery. A powerline will be extended from an existing powerline to the southwest.

SEE ATTACHED FEDERAL "CCC" LOC.#2 LOCATION LAYOUT MAPS (1&2)

5. LOCATION AND TYPE OF WATER SUPPLY

Water will be hauled in for road and pad construction and drilling purposes.

6. SOURCE OF CONSTRUCTION MATERIAL

It is proposed to construct the access road and drilling pad out of caliche. There is an existing caliche pit on federal lands in the N.W.1/4 of N.E.1/4 of section 9 T-16-S R-31-E . This pit is adjacent to a east-west caliche county road.

SEE ATTACHED FEDERAL "CCC" LOC. #2 AREA MAP

7. METHODS FOR HANDLING WASTE DISPOSAL

All garbage or trash will be burned, buried, and or hauled from the well site. A portable chemical toilet will be provided.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for this location at this time.

9. WELL SITE LAYOUT

SEE ATTACHED FEDERAL "CCC" LOC. #2 AREA MAP

10. PLANS FOR RESTORATION OF THE SURFACE

When all drilling activities have been completed the pits will be back filled and leveled. The area will be restored to its original grade and left for the return of natural vegetation. The pad and road will be maintained for well servicing.

11. OTHER INFORMATION

The well site and road falls on a gentle downslope to the southeast on sandy soil. It is vegetated with small mesquite, shinnery, sparse grass, and various other desert plants.

The well site and all new road fall on federal land managed by the B.L.M.

12. LESSEE OR OPERATORS REPRESENTATIVE

G.P. Dalton  
Mobil Producing Texas & New Mexico Inc.  
P.O. Box 633  
Midland, Texas 79702  
(915) 688-2000

13. CERTIFICATION

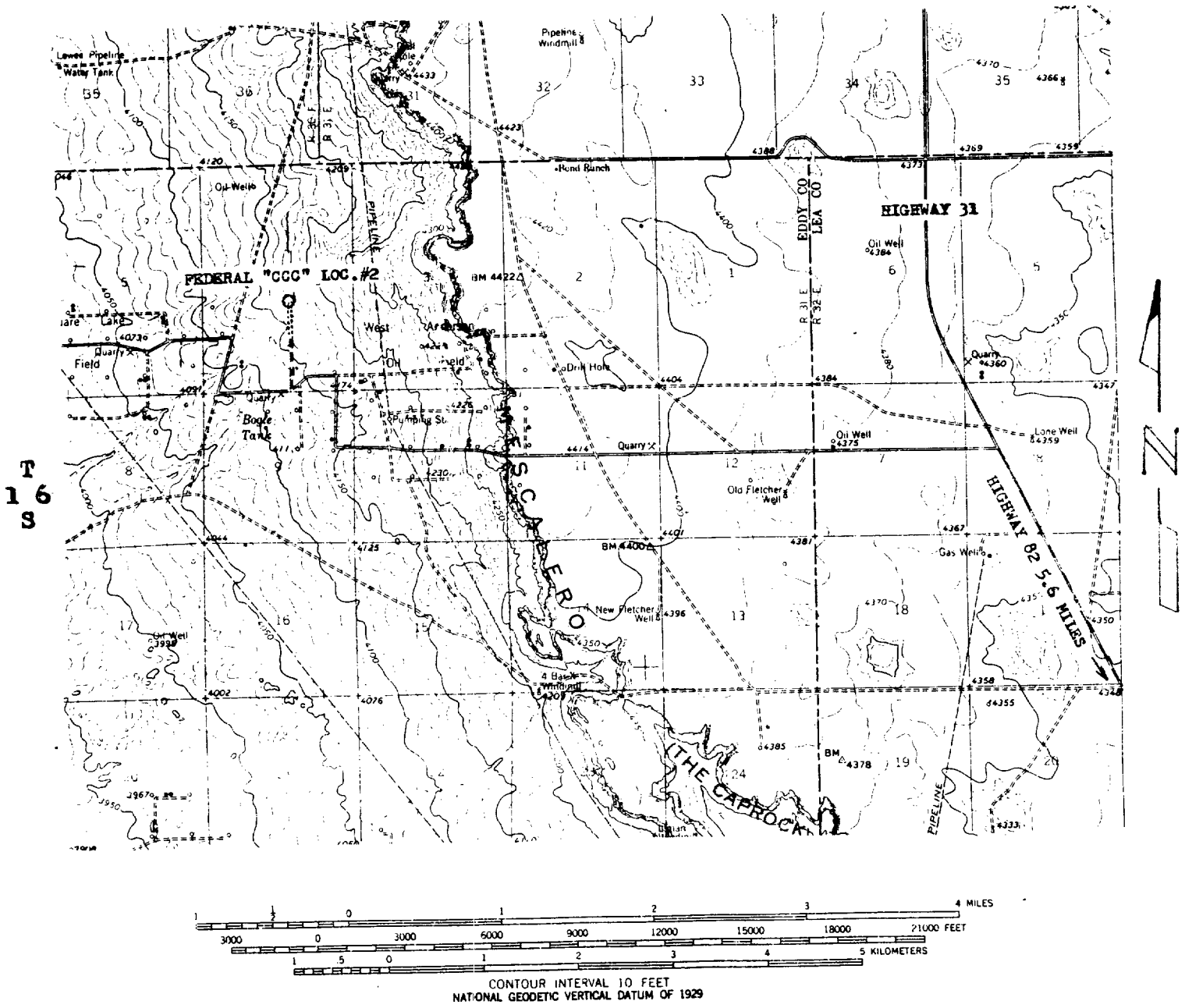
I hereby certify that I or persons under my supervision have inspected the proposed drillsite; that I am familiar with the conditions that presently exist, that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by a reliable contractor in conformity with this plan and the terms and conditions under which it is approved.



G.P. Dalton  
Divisions Operations Manager  
Midland

AF 32658A

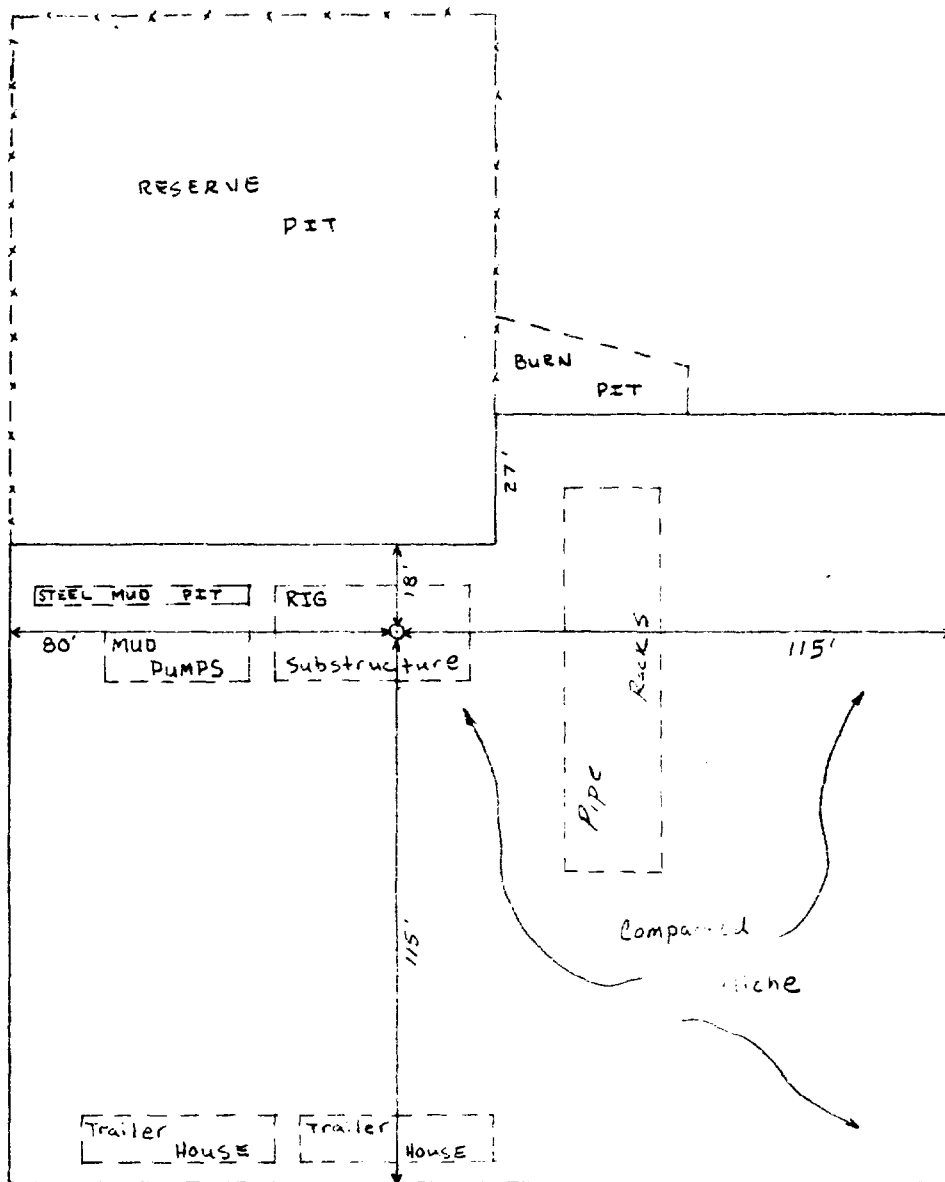
R-31-B



16  
S

==== EXISTING ROADS  
 ..... PROPOSED ROAD

<b>Mobil Producing Texas &amp; New Mexico Inc.</b>	
AREA MAP FEDERAL "CCC" LOCATION #2 EDDY COUNTY, NEW MEXICO	
DRAWN C.E.W.	SCALE 1"=5280'
CHECKED	DATE
APPROVED	REVISED



**Mobil Producing  
Texas & New Mexico Inc.**

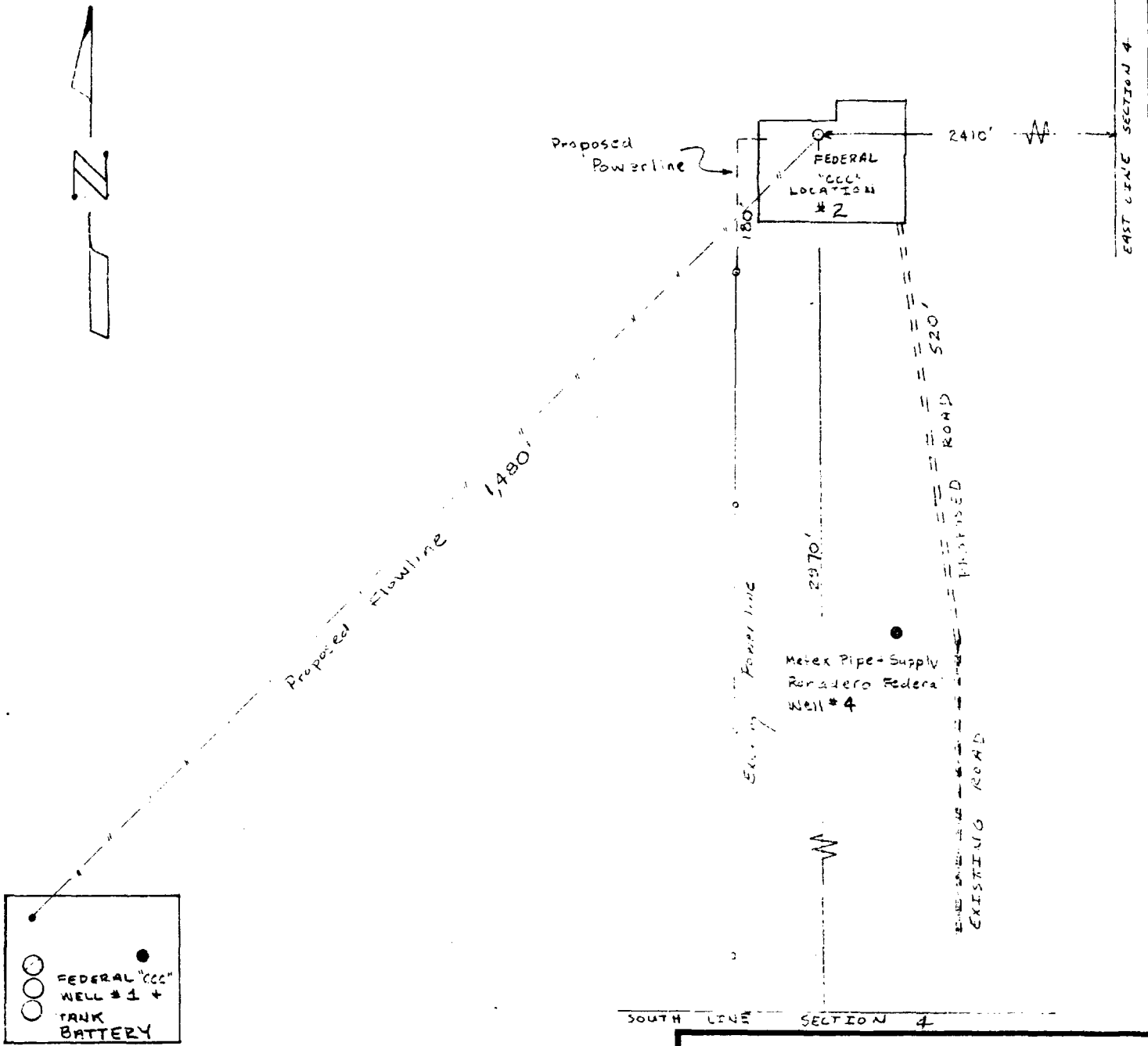
LOCATION LAYOUT MAP (1-2)  
FEDERAL "CCC" LOCATION #2  
EDDY COUNTY, NEW MEXICO

DRAWN	SCALE 1" = 40'
CHECKED	DATE 5-27-80
APPROVED	REVISED

THIS DRAWING AND ALL INFORMATION THEREON IS THE PROPERTY OF MOBIL PRODUCING TEXAS & NEW MEXICO INC. AND SHALL NOT BE COPIED OR USED EXCEPT FOR THE PURPOSE FOR WHICH IT IS EXPRESSLY FURNISHED. THE DRAWING AND ANY COPIES THEREON (PARTIAL OR COMPLETE) SHALL BE RETURNED TO THE OWNER ON DEMAND.

AF 32658A

DCO 7227 PTNM (11-80)



○ ○ ○ ○ ○  
 FEDERAL "CCC"  
 WELL #1 +  
 TANK  
 BATTERY

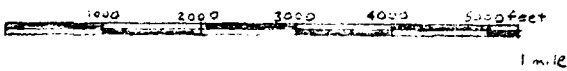
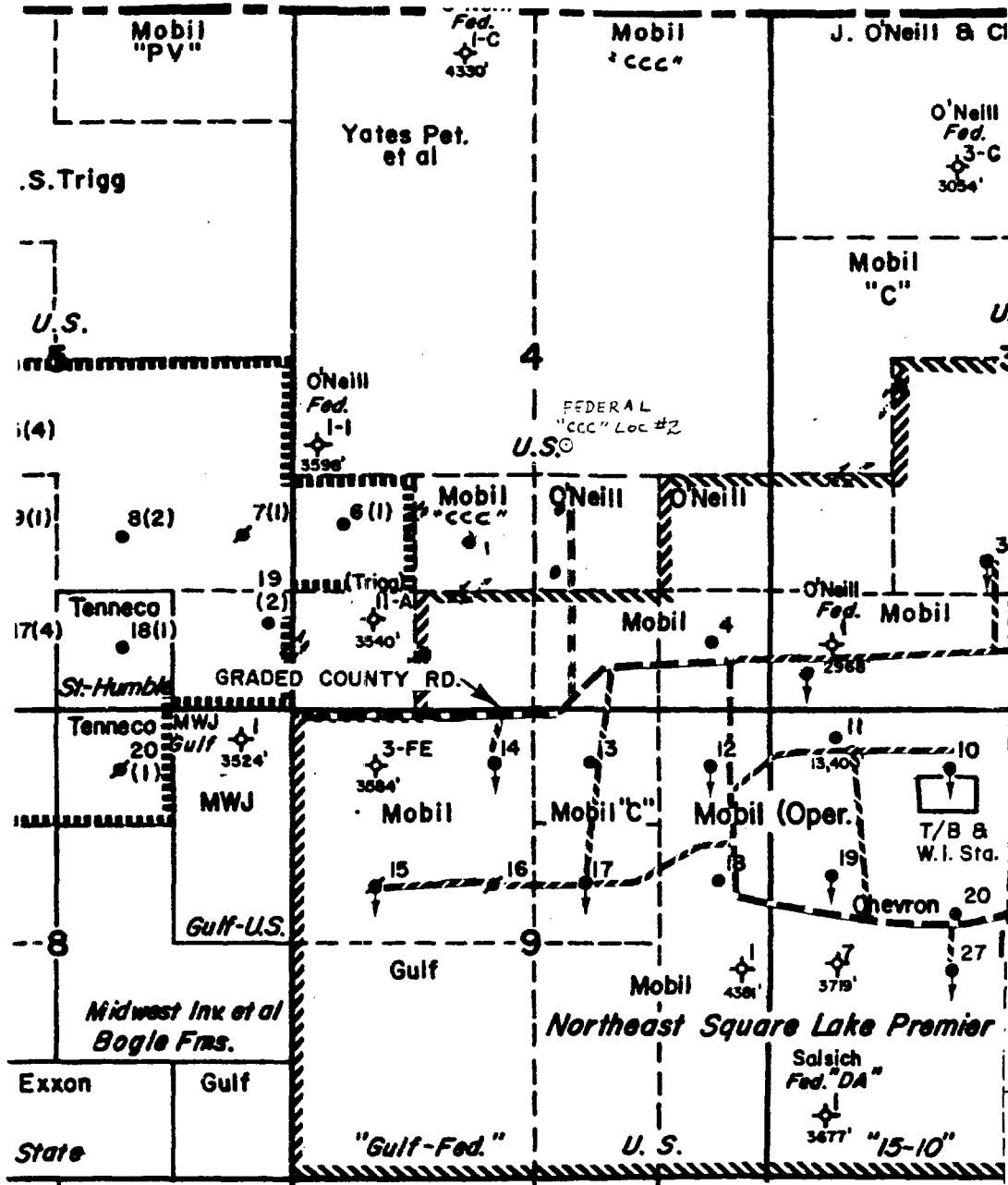
**Mobil Producing  
Texas & New Mexico Inc.**

LOCATION LAYOUT MAP (2-2)  
FEDERAL "CCC" LOCATION #2  
EDDY COUNTY, NEW MEXICO

DRAWN (E.W.)	SCALE 1"=200'
CHECKED	DATE
APPROVED	REVISED

# R-31-E

T  
16  
S



--- = Existing Road

## Mobil Producing Texas & New Mexico Inc.

EXISTING ROAD AND WELL MAP  
FEDERAL "CCC" LOCATION #2  
LADDY COUNTY, NEW MEXICO

DRAWN	SCALE
CHECKED	DATE
APPROVED	REVISED





7. The auxiliary equipment to be used, such as (1) kelly cock, (2) floats at the bit, (3) monitoring equipment on the mud system, (4) a sub on the floor with a full opening valve to be stabbed into drill pipe when the kelly is not in the string.

A Kelly cock and a sub with a full opening valve will be used.

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8. The testing, logging, mud, and coring programs to be followed with provision made for required flexibility. (See attached sheet)
9. Any anticipated abnormal pressures or temperatures expected to be encountered or potential hazards such as hydrogen sulfide gas, along with plans for mitigating such hazards.

No abnormal pressures, temperatures, or hazardous gases are expected to  
be encountered; however, prudent drilling operations will be maintained  
to guard against such hazards.

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10. The anticipated starting date and duration of the operations.

Starting Date: 7-15-86 Duration of Operations 15 Days.