

Mobil Oil Corporation

NOV 25 1969

P.O. BOX 633
MIDLAND, TEXAS 79701

November 21, 1969

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WFX-1904

1000 1000

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Att: Mr. A. L. Porter

APPLICATION FOR ADMINISTRATIVE
APPROVAL TO DRILL AND INJECT INTO
MOBIL OIL CORPORATION'S HUMPHREY
QUEEN UNIT WELL NO. 27, LANGLIE-
MATTIX POOL, LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Oil Corporation respectfully requests approval to drill its Humphrey Queen Unit Well No. 27 and approval to inject water into the Queen sand formation through said Well No. 27. Authority to institute a waterflood project in the Humphrey Queen Unit was granted in Commission Order No. R-3824. Mobil further requests that this application be approved administratively in accordance with the provisions in Commission Order No. R-3824. In support of this application, attached is:

1. Commission Form C-101
2. Commission Form C-102
3. A plat showing all wells within a two mile radius of the proposed well.
4. A plat of the Humphrey Queen Unit showing the location of all wells, including the proposed well.
5. A diagrammatic sketch of the proposed well.

Drilling and injecting into the proposed well is considered necessary to provide for a more thorough sweep of the unit area. It was originally planned to convert and inject into Unit Well No. 7. Initially injecting into No. 7 will, however, result in a loss to the Unit of recoverable hydrocarbons underlying the Unit area west of Well No. 7. We plan, if this application is approved, to inject into Well No. 27 and continue to produce Well No. 7. Well No. 7 will be placed on injection after it waters out. For this reason, we wish to retain the authority to inject into Well No. 7 which was granted in Commission Order No. R-3824.

Mobil

New Mexico Oil
Conservation Commission

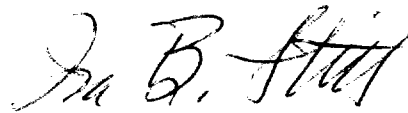
-2-

November 21, 1969

It should be noted that the location of Well No. 13, a proposed injection well, as shown on the attached unit plat, is different from the location approved in Commission Order No. R-3824. We plan to file at some later date an application for approval to drill and inject into Well No. 13 at the new location shown on the plat.

All offset operators are being notified of this application by copy of this letter. If any additional information is required, please advise.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Ira B. Stitt", written in a cursive style.

Ira B. Stitt
Division Operations Engineer

GRKreuz/bje
Attachments

cc: District 1
New Mexico Oil Conservation Commission

Offset Operators

OFFSET OPERATORS
MOBIL OIL CORPORATION'S
HUMPHREY QUEEN UNIT
LANGLIE-MATTIX POOL
LEA COUNTY, NEW MEXICO

ADDRESS LIST

Amerada Petroleum Corporation - Box 591, Midland, Texas 79701

George L. Buckles Company - Box 56, Monahans, Texas 79756

El Paso Natural Gas Company - 600 Bank of Southwest Building, Midland,
Texas 79701

Gulf Oil Corporation - Box 1150, Midland, Texas 79701

Texaco Inc. - P. O. Box 3109, Midland, Texas 79701

Union Texas Petroleum - Box 2120, Houston, Texas 77001

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE ☐	FEE ☒
5. State Oil & Gas Lease No.	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL ☐ GAS WELL ☐ OTHER ☐ DRILL ☒ DEEPEN ☐ PLUG BACK ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		Humphrey Queen Unit	
2. Name of Operator		8. Farm or Lease Name	
Mobil Oil Corporation		9. Well No.	
3. Address of Operator		10. Field and Pool, or Wildcat	
P. O. Box 633, Midland, Texas 79701		Langlie-Mattix	
4. Location of Well UNIT LETTER <u>H</u> LOCATED <u>1570</u> FEET FROM THE <u>north</u> LINE AND <u>990</u> FEET FROM THE <u>east</u> LINE OF SEC. <u>4</u> TWP. <u>25-S</u> RGE. <u>37-E</u> NMPM		12. County	
		Lea	
19. Proposed Depth		19A. Formation	
3680		Queen	
20. Rotary or C.T.		21. Elevations (Show whether DF, RT, etc.)	
Rotary		3158' G.L.	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
On File		Unknown	
22. Approx. Date Work will start		23.	
As soon as possible			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	20#	1325	Circulate	Surface
7-7/8"	4-1/2"	9.5#	3680	Circulate	Tie in to 12-1/4" csg.

Mud Program

0 - 1325' - Spud Mud
1325 - T.D. - Br. Wtr., Flosal & Oil as necessary

Logging Program

FDC - Surface to T.D.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed C. R. Kreuz C. R. Kreuz Title Sr. Production Engineer Date November 21, 1969

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

**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 Mobil Oil Corporation			Lease Humphrey Queen Unit		Well No. 27
Unit Letter H	Section 4	Township 25-S	Range 37-E	County Lea	
Actual Footage Location of Well:					
1570 feet from the north line and		990 feet from the east line			
Ground Level Elev: 3158'	Producing Formation Queen	Pool Langlie-Mattix	Dedicated Acreage: 40 Acres		

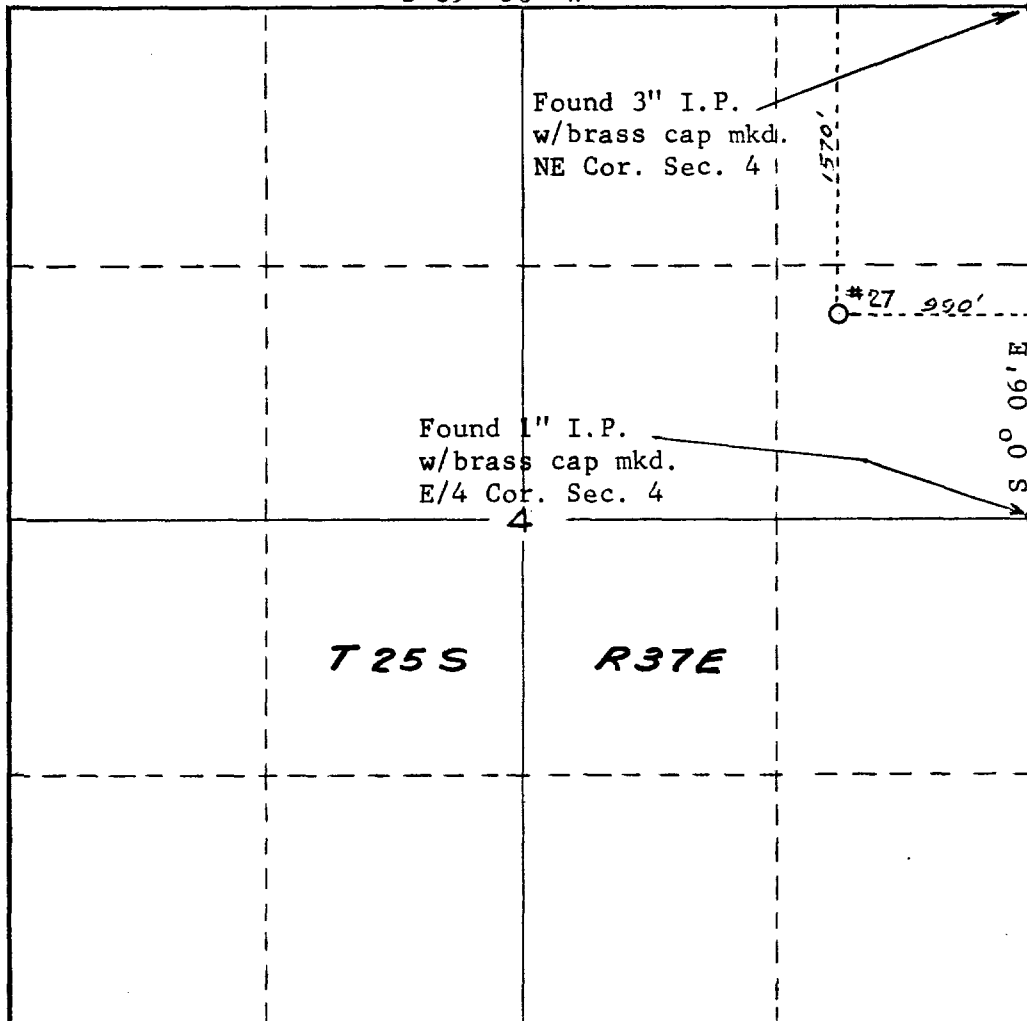
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is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

S 89° 58' W



CERTIFICATION

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

C. R. Kreuz
Name **C. R. Kreuz**

Position
Sr. Production Engineer

Company
Mobil Oil Corporation

Date
November 21, 1969

I hereby certify that the well location shown on this plat was plotted from field notes of ~~well~~ surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

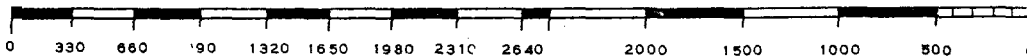
John H. Seerey
No. **3572**

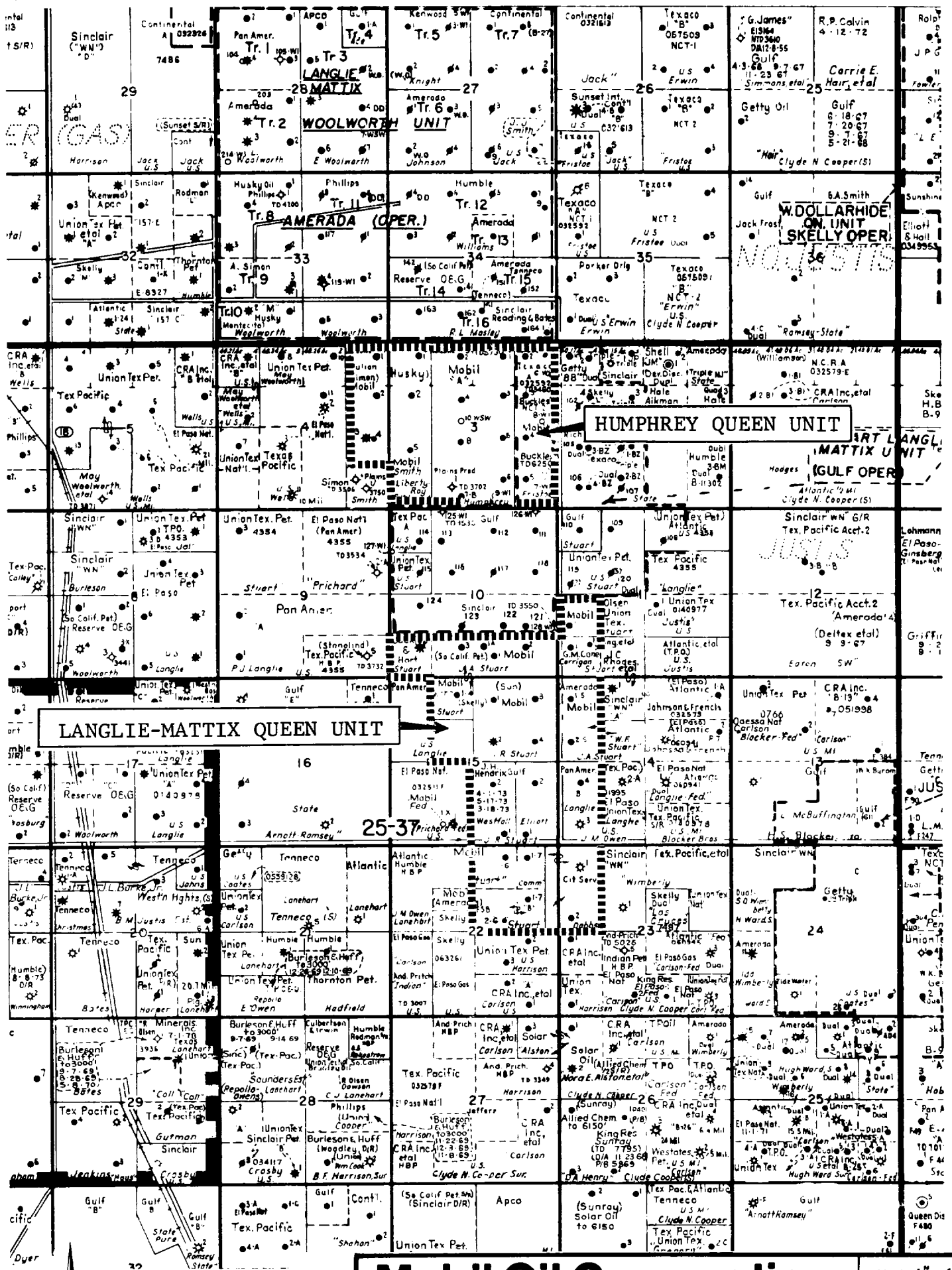
Date Surveyed
November 18, 1969

Registered Professional Engineer and/or Land Surveyor

John H. Seerey

Certificate No.
3572





Mobil Oil Corporation

EXPLORATION AND PRODUCING DEPARTMENT
MIDLAND DIVISION

AREA MAP

PROPOSED LANGLIE-MATTIX

QUEEN UNIT &

HUMPHREY QUEEN UNIT

Lea County, New Mexico

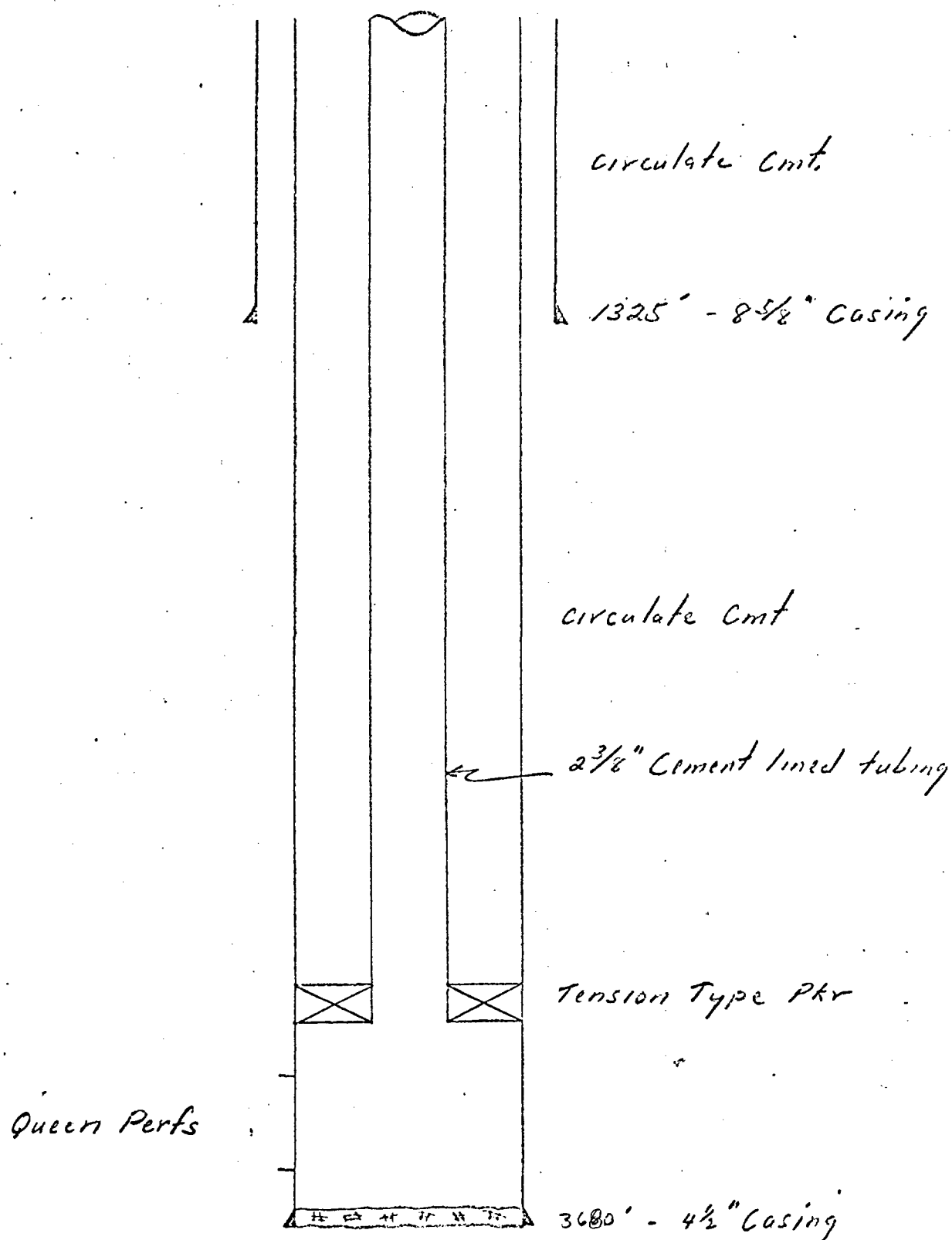
SCALE 1" = 4000'

DATE 8-21-69
DRAWN BY ARM
CHECKED PLK
APPROVED
REVISED

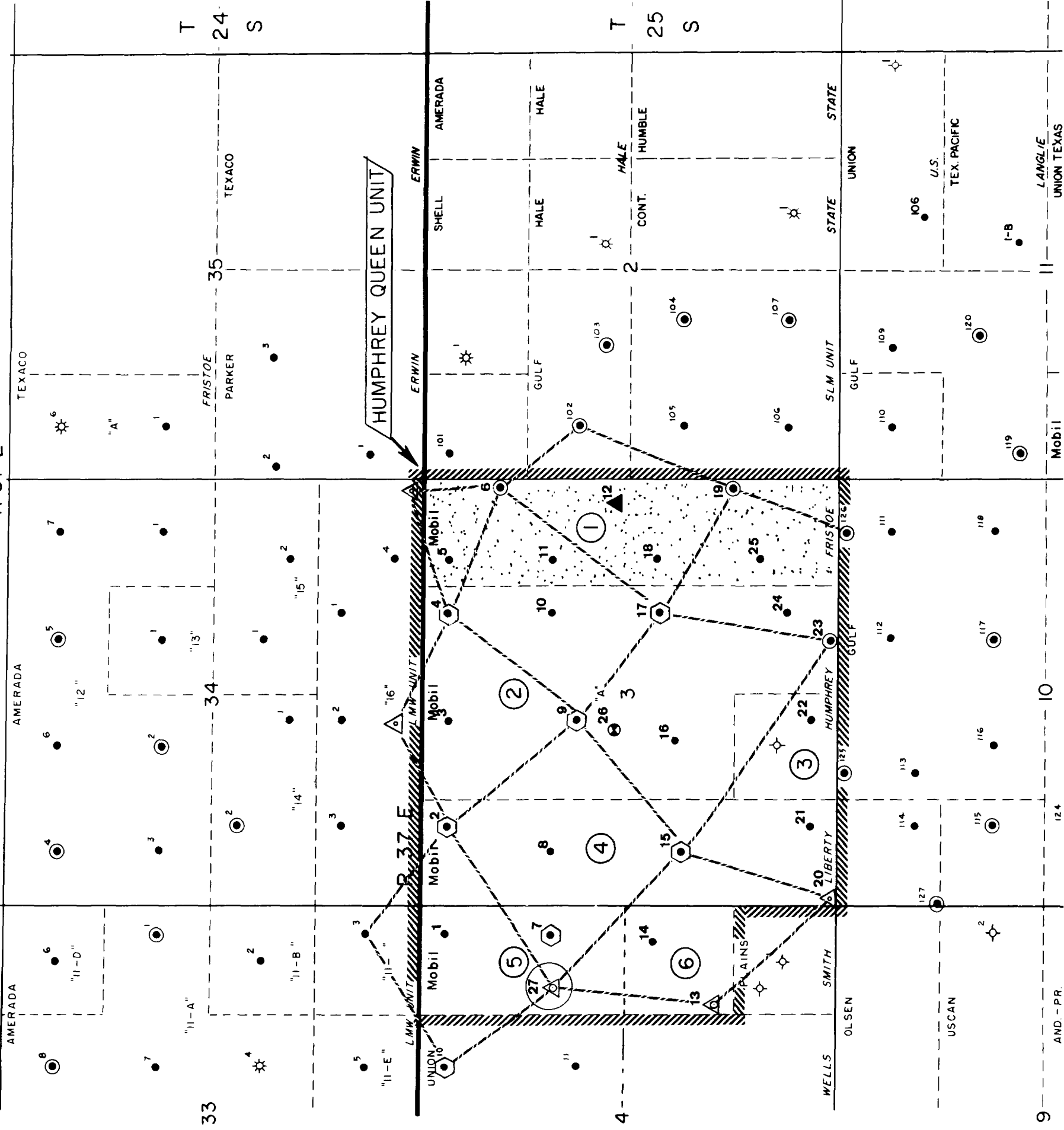
Humphrey Queen Unit #27

Langhe Mattix

WIW



R 37 E



LEGEND

- PRODUCTION WELL
- ✱ GAS WELL
- ✱ ABANDONED WELL
- ✱ DRY HOLE
- ✱ WSW
- INJECTION WELL
- ▲ PRODUCTION WELL TO BE DRILLED
- ⬢ PROPOSED INJECTION WELL CONVERSION
- ⬢ PROPOSED INJECTION WELL TO BE DRILLED
- ▨ UNIT BOUNDARY
- ▨ FLOOD PATTERN
- ▨ FEDERAL ACREAGE
- ▨ FEE ACREAGE
- ④ TRACT NUMBER

SCALE



HUMPHREY QUEEN UNIT
LEA COUNTY, NEW MEXICO

11-18-69

MCH