



# GREENHILL PETROLEUM CORPORATION

OIL CONSERVATION DIVISION

11490 WESTHEIMER ROAD, SUITE 200  
HOUSTON, TEXAS 77077-6841  
TELEPHONE (713) 589-8484  
FAX. (713) 589-7892

'92 MAR 27 AM 9 48

Incorporated in Delaware, U.S.A.

March 23, 1992

Oil Conservation Division  
State of New Mexico  
Energy, Minerals and Natural Resources Department  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Attention: Mr. Mike Stogner

Re: Unorthodox Location and Drilling Permit  
Proposed Well Number 140  
Lovington Paddock Unit  
Lea County, New Mexico

Dear Mr. Stogner:

Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 140 in the Lovington Paddock Unit, located in Lea County, New Mexico.

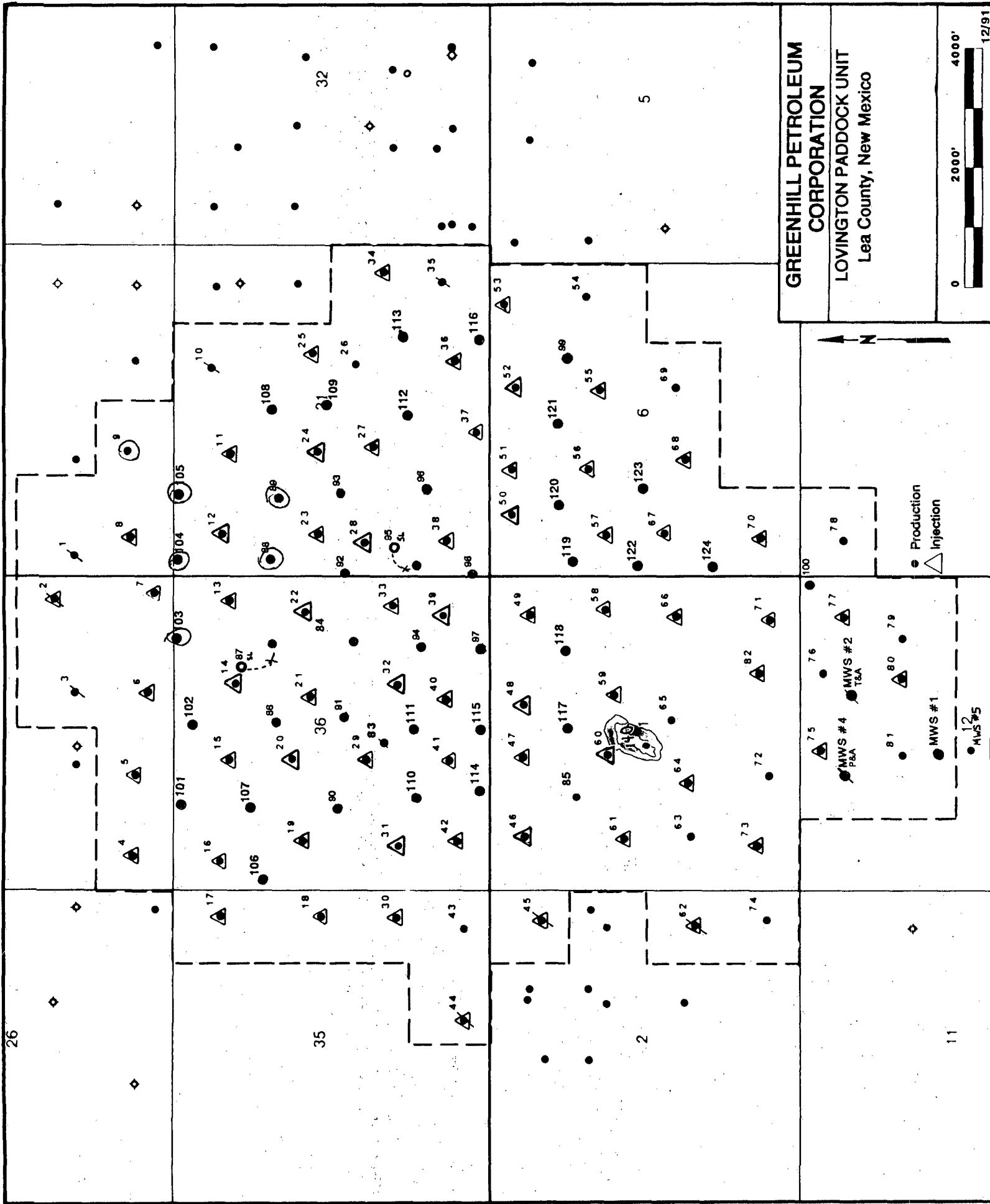
The Lovington Paddock Unit is presently developed and being waterflooded utilizing a 40-acre well density. It is believed that infill development using a 20-acre well density will improve waterflood sweep efficiency and will increase secondary oil recovery. The proposed location for Well Number 140 is located in the interior of the unit and is not competitive with offset wells outside the unit. Information gathered as a result of drilling this infill well will be utilized in evaluating additional infill development potential in the unit and ultimately may be used to evaluate the feasibility of tertiary recovery.

Greenhill Petroleum Corporation wishes to commence drilling operations on the proposed well as soon as possible and would appreciate a response to this request at your earliest convenience.

Respectfully yours,

Michael J. Newport  
Land Manager-Permian Basin

MJN:sjs  
92. 204  
Enclosures



GREENHILL PETROLEUM  
CORPORATION

LOVINGTON PADDOCK UNIT  
Lea County, New Mexico

● Production  
▲ Injection





OIL CONSERVATION DIVISION  
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Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101  
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

B 2359

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL  
WELL ☒

GAS  
WELL ☐

OTHER ☐

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

7. Lease Name or Unit Agreement Name

Lovington Paddock Unit

2. Name of Operator

GREENHILL PETROLEUM CORPORATION

8. Well No.

140

3. Address of Operator

11490 Westheimer, Suite 200, Houston, Texas 77077-6841

9. Pool name or Wildcat

Lovington Paddock

4. Well Location

Unit Letter

F

2,522

Feet From The

North

Line and

2,630

Feet From The

West

Line

Section

1

Township

17S

Range

36E

NMPM

Lea

County

10. Proposed Depth

5,150 ft.

11. Formation

San Andres

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

3,828.2 ft. GR

14. Kind & Status Plug. Bond

on file

15. Drilling Contractor

TBD

16. Approx. Date Work will start

04/92

17.

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	24	1,300 ft.	550	Surface
7-7/8	5-1/2	15.5	5,150 ft.	1,000	Surface

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.

Land Manager --

SIGNATURE

*Michael J. Newport*

TITLE

Permian Basin

DATE

03/23/92

TYPE OR PRINT NAME

Michael J. Newport

713

TELEPHONE NO. 589-8484

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

GREENHILL PETROLEUM CORPORATION  
BOP PROGRAM FOR  
LOVINGTON PADDOCK UNIT #140

Casing Program

BOP Program

Size	Depth	Wt.	Grade	Configuration	Test Pressure
8 5/8"	1300'	24	H40, STC	RA*	200 psi
5 1/2"	6450'	15.5	K55, STC	RR*	250/1500 psi

\*RR-Ram Ram  
RA-Ram Annular

Diverter-Hydrill may be substituted for a diverter.

sjs:s  
92.215

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P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

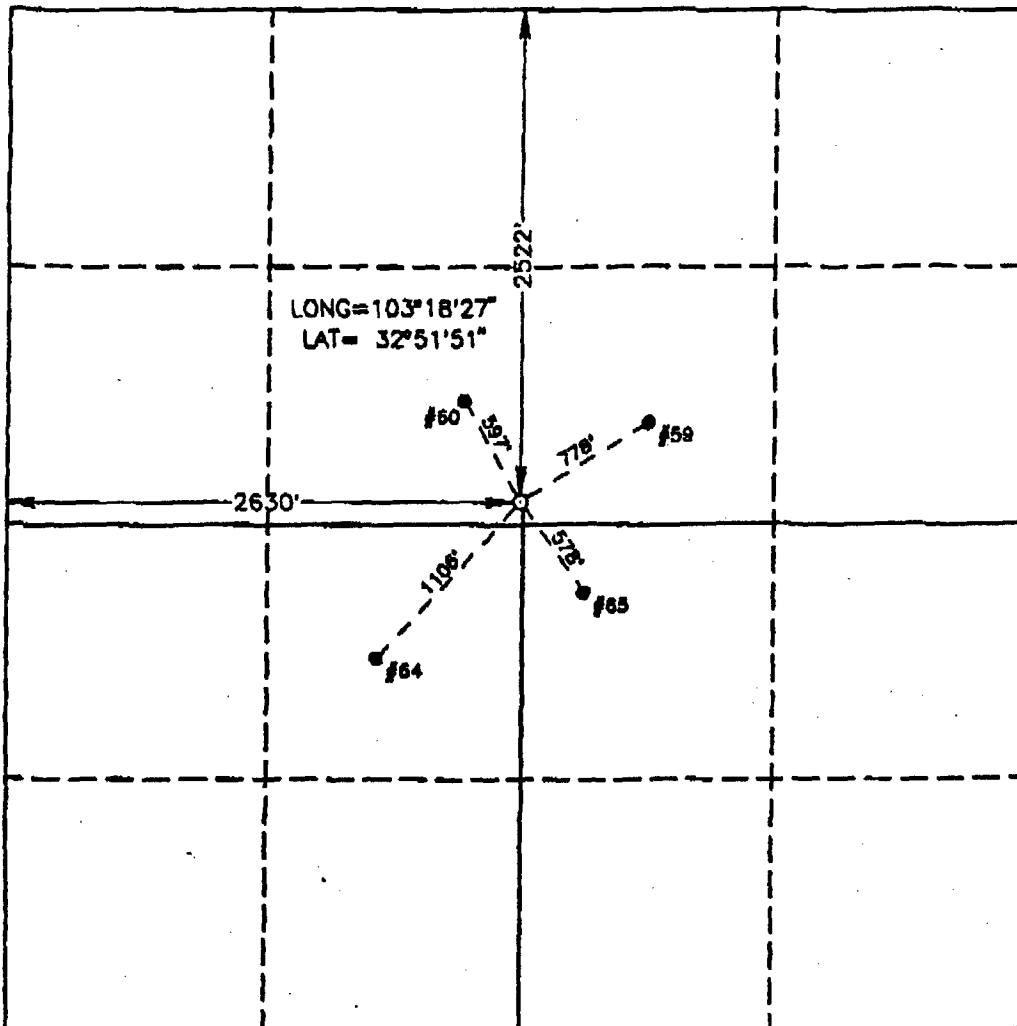
Operator GREENHILL PETROLEUM CORP.			Lease LOVINGTON PADDOCK UNIT		Well No. 140
Unit Letter F	Section 1	Township 17 SOUTH	Range 36 EAST	NMPM	County LEA
Actual Footage Location of Well: 2522 feet from the NORTH line and 2630 feet from the WEST line					
Ground Level Elev. 3828.2'	Producing Formation		Pool		Dedicated Acreage: 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 interest of all owners been consolidated by communization, unitization, force-pooling, etc.?

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

If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.)

No allowable will be assigned to the well unit all interests have been consolidated (by communization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature  
*Richard J. Thompson*  
Printed Name

Position

Company

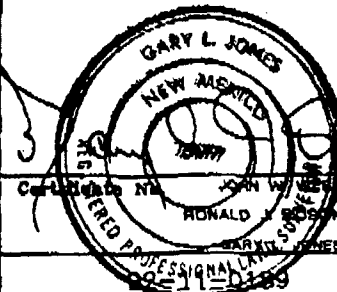
Date

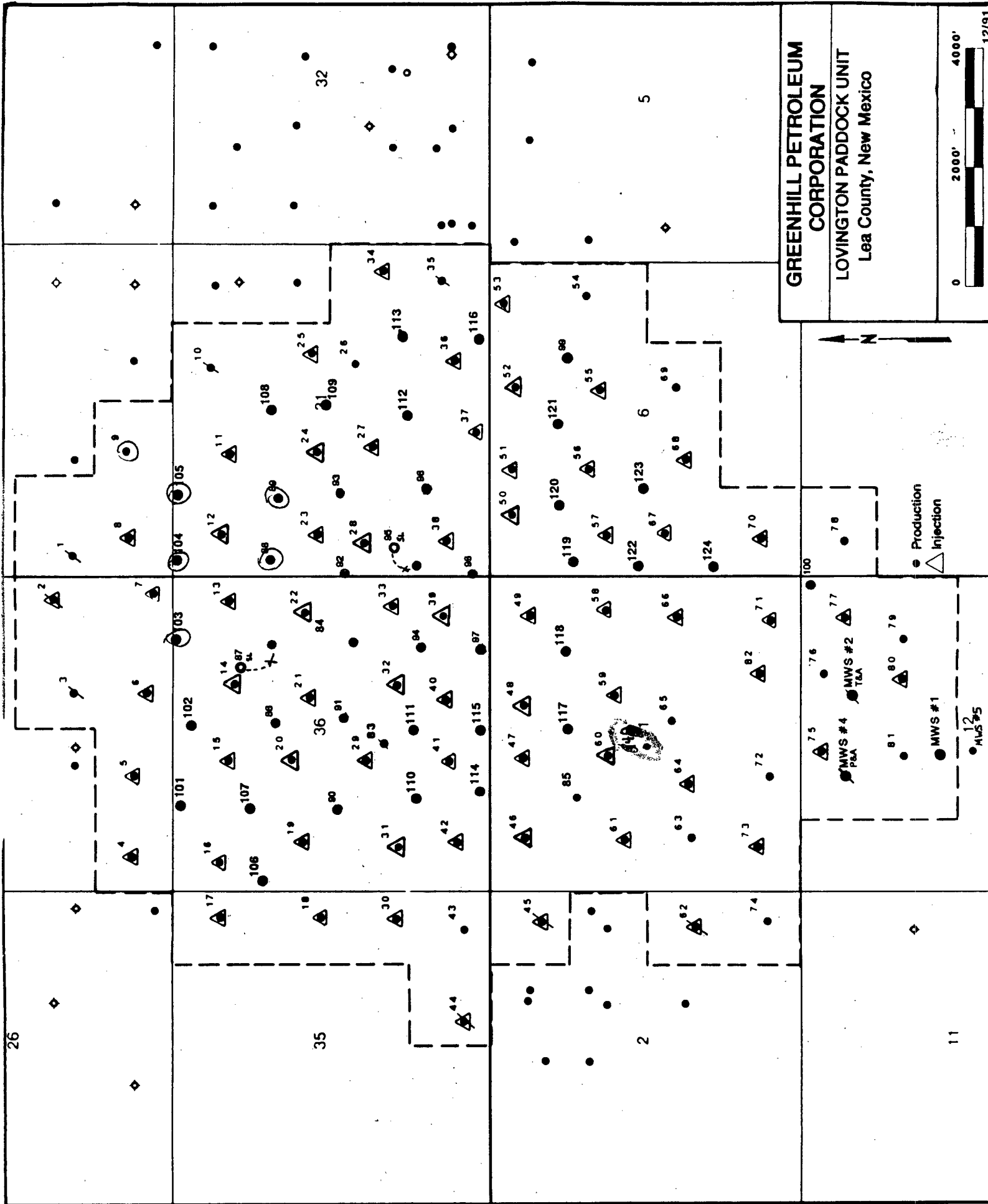
SURVEYOR CERTIFICATION

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  
MARCH 4, 1992

Signature & Seal of  
Professional Surveyor







STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION  
RECEIVED  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

'92 APR 3 AM 9 19  
OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

3-30-92

BRUCE KING  
GOVERNOR

POST OFFICE BOX 1980  
HOBBS, NEW MEXICO 88241-1980  
(505) 393-6161

NSL - 3107

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC \_\_\_\_\_  
DHC \_\_\_\_\_  
NSL X \_\_\_\_\_  
NSP \_\_\_\_\_  
SWD \_\_\_\_\_  
WFX \_\_\_\_\_  
PMX \_\_\_\_\_

Gentlemen:

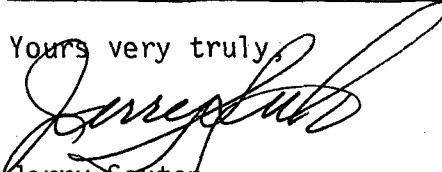
I have examined the application for the:

Greenhill Petroleum Corp. Lovington Paddock Unit #140-F 1-17-36  
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

  
Jerry Sexton  
Supervisor, District 1

/ed