



# GREENHILL PETROLEUM CORPORATION

12777 JONES ROAD, SUITE 375  
HOUSTON, TEXAS 77070  
TELEPHONE (713) 955-1146  
FAX (713) 955-5105

Incorporated in Delaware, U.S.A.

A-12-175-~~37E~~  
36E

November 28, 1990

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

Attn: Mike Stogner

Re: Unorthodox Location and Drilling Permit  
Proposed Well No. ~~100~~  
~~Lovington Paddock~~  
Lea County, New Mexico

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 100 in the Lovington Paddock Unit, located in Lea County, New Mexico.

The Lovington Paddock Unit is presently developed and being water-flooded 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 No. 100 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 of the proposed well as soon as possible and would appreciate a response to this request at your earliest convenience.

Respectfully yours,

GREENHILL PETROLEUM CORPORATION

*Michael J. Newport*  
Michael J. Newport  
Landman

MJN:JB  
Enclosures

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.

B1429

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

8. Well No.

100

3. Address of Operator

16010 Barkers Point, Ste., 325, Houston, TX 77079

9. Pool name or Wildcat

Lovington Paddock

4. Well Location

Unit Letter A : 165 Feet From The North Line and 113 Feet From The East Line

Section 12

Township 17 South Range 36 East

NMPM

Lea

County

10. Proposed Depth

6350

11. Formation

Lovington Paddock

12. Rotary or C.T.

Rotary

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

3807.5 GR

14. Kind & Status Plug. Bond

Blanket

15. Drilling Contractor

TBD

16. Approx. Date Work will start

12-15-90

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#	2050	800	Surface
7 7/8	5 1/2	15.5#	6350	500	3000

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.

SIGNATURE

*Michael J. Newport*

TITLE

Landman

DATE

11-28-90

TYPE OR PRINT NAME

Michael J. Newport

TELEPHONE NO. 955-1146

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

# OIL CONSERVATION DIVISION

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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. 100
Unit Letter A	Section 12	Township 17 SOUTH	Range 36 EAST	County LEA	
Actual Footage Location of Well: 165 feet from the NORTH line and 113 feet from the EAST line					
Ground level Elev. 3807.5	Producing Formation Lovington Paddock	Pool Lovington Paddock	Dedicated Acreage: 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

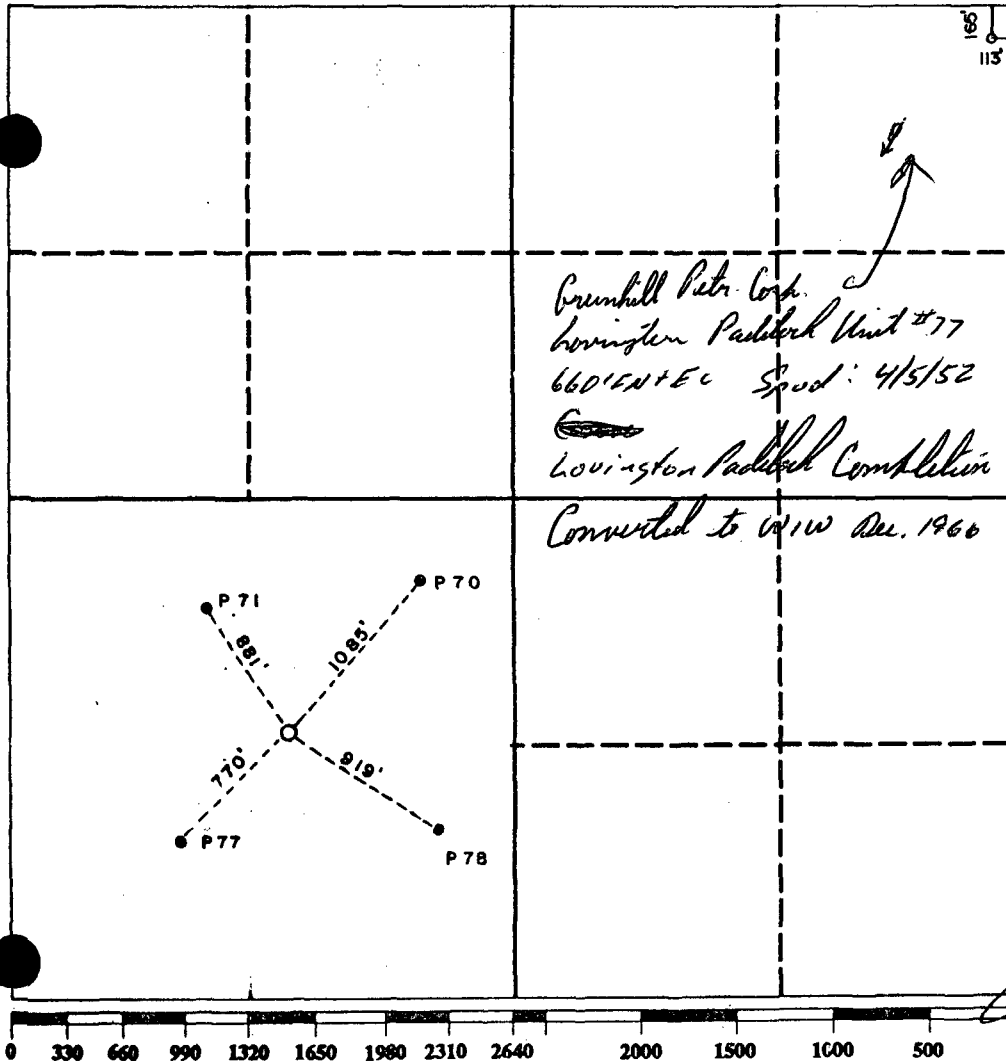
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

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

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 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  
*Michael J. Newport*  
Printed Name  
Michael J. Newport  
Position  
Landman  
Company  
Greenhill Petroleum  
Date  
11-28-90

### 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  
11-5-90

Signature & Seal of  
Professional Surveyor

*Ronald J. Eidson*  
Certificate No. JOHN W. WEST, 676  
RONALD J. EIDSON, 3239

GREENHILL PETROLEUM CORPORATION  
BOP PROGRAM FOR  
LOVINGTON PADDOCK WELL # 100

Casing Program

BOP Program

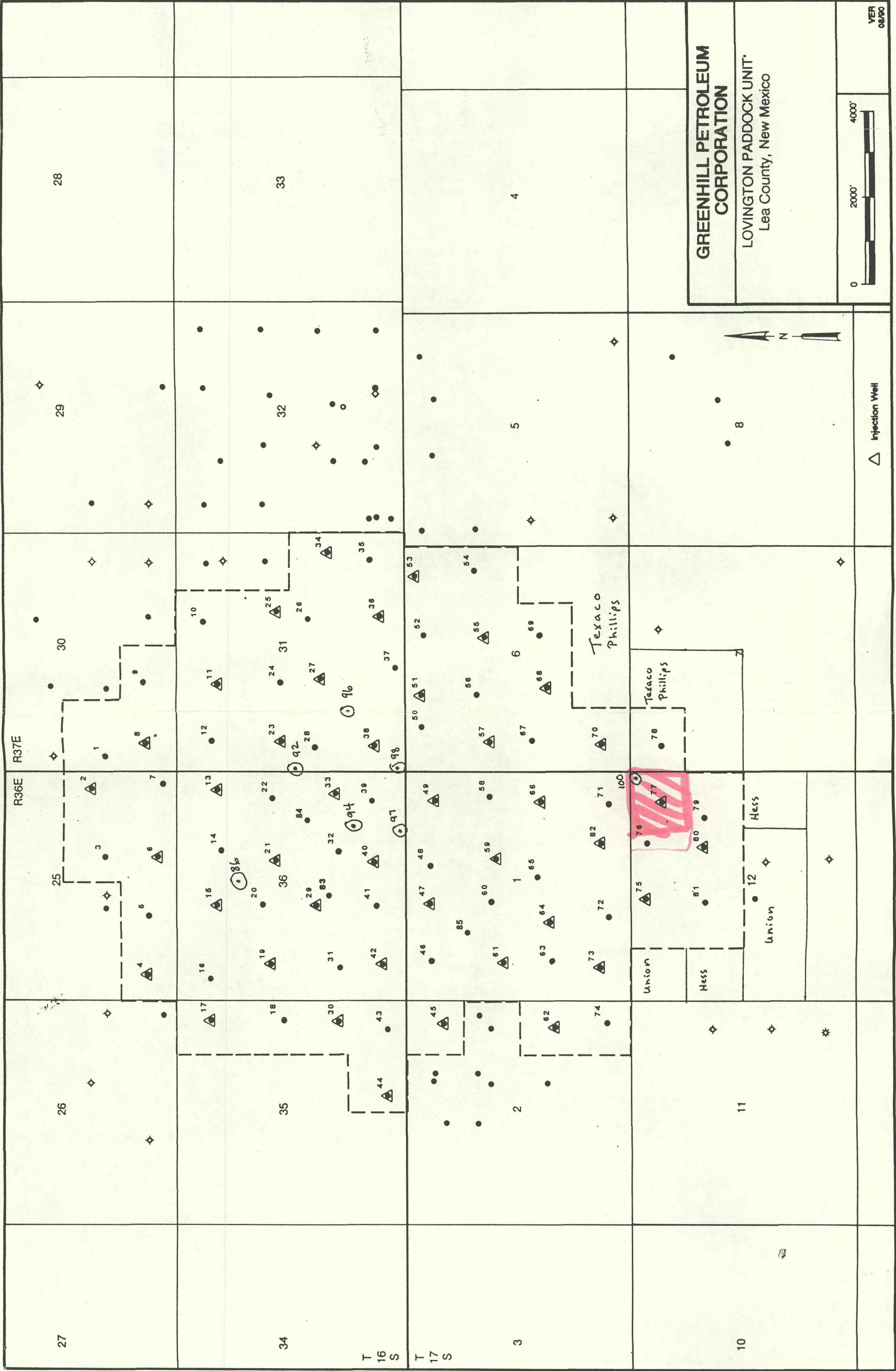
Size	Depth	Wt	Grade	Configuration	Test Pressure
8 5/8"	2050'	24	H40, STC	RA	200 psi
5 1/2"	6350'	15.5	K55, STC	RR	250/1500 psi

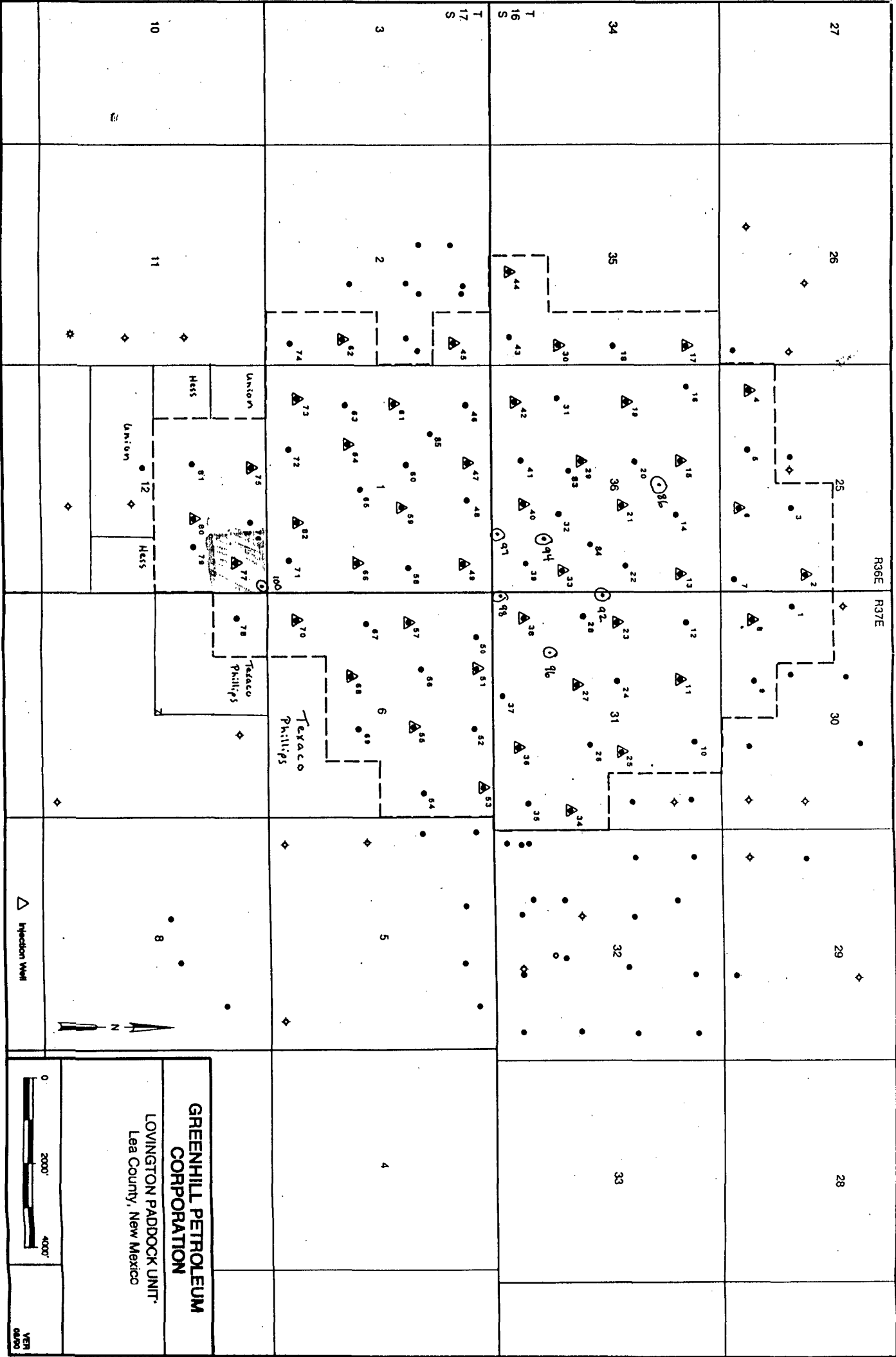
\* RR - Ram Ram

RA - Ram Annular

Diverter - Hydrill may be substituted for a diverter









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HOUSTON, TEXAS 77070  
TELEPHONE (713) 955-1146  
FAX (713) 955-5105

Incorporated in Delaware, U.S.A.

November 27, 1990

Texaco U.S.A.  
P.O. Box 3109  
Midland, TX 79702

Attn: Keith Williams

Re: Lovington Paddock  
Well # 100  
Lea County, NM

P 375 679 556

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR RETURN TO SENDER  
(See Reverse)

Sent to		Texaco USA	
Postage		\$	
Certified Fee		-	
Special Delivery Fee		-	
Restricted Delivery Fee		-	
Return Receipt showing to whom and Date Delivered		-	
Return Receipt showing to whom, Date, and Address of Delivery		-	
TOTAL Postage and Fees		\$	
Postmark or Date			

PS Form 3800, June 1985

This letter is to hereby notify you that Greenhill Petroleum will be drilling Well No. 100 to a depth of 6350' to test the Lovington Paddock formation, 165 FNL and 113 FEL in Section 12, T17S-R36E, Lea County, New Mexico. We are obligated by the New Mexico Oil Commission to notify all offset operators that we are applying for an unorthodox location within our Lovington Paddock Unit.

Please sign and return to the above address in the event you do not object to our proposed well.

Sincerely,

*Michael J. Newport*  
Michael J. Newport  
Landman

cc: Mike Stogner/Santa Fe

Agreed to and accepted this \_\_\_\_\_ day of \_\_\_\_\_, 1990.

Texaco U.S.A.

By: \_\_\_\_\_



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Incorporated in Delaware, U.S.A.

November 27, 1990

Phillips Petroleum  
P.O. Box 1967  
Houston, TX 77251-1967

Re: Lovington Paddock  
Well # 100  
Lea County, NM

P 375 679 555  
RECEIPT FOR CERTIFIED MAIL  
NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

Sent to	Phillips Petroleum
Street and	P.O. Box 1967
P.O. Box	1967
City and ZIP Code	Houston TX 77251-1967
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	11-29-90

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

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Sincerely,

Michael J. Newport  
Landman

cc: Mike Stogner/Santa Fe

Agreed to and accepted this \_\_\_\_\_ day of \_\_\_\_\_, 1990.

Phillips Petroleum

By: \_\_\_\_\_





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OIL CONSERVATION DIVISION  
RECEIVED

NOV 29 4 00 PM '90

November 29, 1990

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

Re: Lovington Paddock  
Lea County, NM

Enclosed please find the C-101, C-102 and BOP program for the following wells  
in the Lovington Paddock Area:

LPU # 98  
LPU # 97  
LPU # 94  
LPU # 92  
~~LPU # 100~~  
LPU # 96

Please call if I may provide you with additional information.

Sincerely,

Michael J. Newport  
Landman

MJN:jb  
Enclosures