



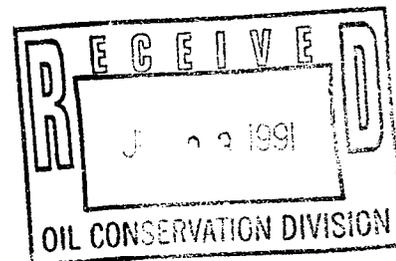
# GREENHILL PETROLEUM CORPORATION

11490 WESTHEIMER, SUITE 200  
HOUSTON, TEXAS 77077  
TELEPHONE (713) 589-8484  
FAX. (713) 589-9399

Incorporated in Delaware, U.S.A.

July 17, 1991

State of New Mexico  
Energy, Minerals and Natural Resource Dept.  
P.O. Box 2088  
Santa Fe, NM 87504



Attn: Mike Stogner

Re: Lovington Paddock Unit  
Well No. 102  
Lea County, NM

It is requested that Administrative Order NSL-3022 dated June 27, 1991 be amended to provide that the location for Well No. 102 be changed to:

2525 FEL and 290 FNL in Section 36, Unit B, T16S-R36E, Lea County, NM.

The wrong location as stated in the above referenced order is:

290 FNL and 2755 FWL in Section 36, Unit C, T16S-R36E.

Please advise in the event you need any additional information.

Sincerely,

*Michael Newport*  
Michael J. Newport  
Land Manager-Permian Basin

MJN:jb

*7/24/91*  
*Michael*  
*Could you be more specific*  
*as to the reason why this*  
*well location was moved.*  
*Thank.*  
*Michael Stogner*



STATE OF NEW MEXICO

*Example*

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR

March 7, 1991

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

Greenhill Petroleum Corporation  
12777 Jones Road  
Suite 375  
Houston, TX 77079

Attention: Michael J. Newport

*Amended Administrative Order NSL-2980*

Dear Mr. Newport:

Reference is made to your letter dated February 12, 1991 requesting to amend the location of the Lovington Paddock Unit Well No. 88 which was approved by Division Administrative Order NSL-2980, dated January 17, 1991, to be 1605 feet from the North line and 265 feet from the West line (Unit E) of Section 31, Township 16 South, Range 37 East, NMPM, Lovington Paddock Pool, Lovington Paddock Waterflood Project Area, Lea County, New Mexico.

It is our understanding that said amendment is at the request of the U.S. Bureau of Land Management, which is the surface management agency for this drilling tract. Therefore, by authority granted me under the provisions of General Rule 104.F.I., said order is hereby amended to reflect the location of the No. 88 well as "1642 feet from the North line and 302 feet from the West line."

All other provisions of said Administrative Order NSL-2980 shall remain in full force and effect until further notice.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. LeMay".

William J. LeMay  
Director

cc: Oil Conservation Division - Hobbs  
US Bureau of Land Management - Carlsbad



# GREENHILL PETROLEUM CORPORATION

Incorporated in Delaware, U.S.A.

OIL CONSERVATION DIVISION  
RECEIVED

11490 WESTHEIMER, SUITE 200  
HOUSTON, TEXAS 77077  
TELEPHONE (713) 589-8484  
FAX. (713) 589-9399

'91 AUG 5 AM 9 19

July 30, 1991

State of New Mexico  
Energy, Minerals and Natural Resource Department  
P. O. Box 2088  
Santa Fe, N.M. 87504

Attention: Mike Stogner

Re: Lovington Paddock Unit  
Well No. 102  
Lea County, N. M.

Reference is made to our attached request letter whereby it was requested that Administrative Order NSL-3022 be amended to provide that the location for Well No. 102 be moved. The reason the location had to be moved is because it is located in our pipe yard. We had to move the location away from the gasoline pump which is a semi-permanent installation. The actual location is still in our pipe yard but it is in a much better position.

Please contact me in the event you need additional information.

Sincerely,

Michael J. Newport  
Land Manager, Permian Basin

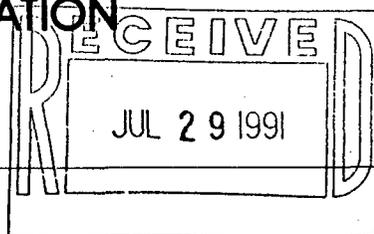
MJN:sjs  
enclosures



*Attn: Michael J. Newport*

# GREENHILL PETROLEUM CORPORATION

11490 WESTHEIMER, SUITE 200  
HOUSTON, TEXAS 77077  
TELEPHONE (713) 589-8484  
FAX. (713) 589-9399



Incorporated in Delaware, U.S.A.

July 17, 1991

State of New Mexico  
Energy, Minerals and Natural Resource Dept.  
P.O. Box 2088  
Santa Fe, NM 87504



Attn: Mike Stogner  
  
Re: Lovington Paddock Unit  
Well No. 102  
Lea County, NM

It is requested that Administrative Order NSL-3022 dated June 27, 1991 be amended to provide that the location for Well No. 102 be changed to:

2525 FEL and 290 FNL in Section 36, Unit B, T16S-R36E, Lea County, NM.

The wrong location as stated in the above referenced order is:

290 FNL and 2755 FWL in Section 36, Unit C, T16S-R36E.

Please advise in the event you need any additional information.

Sincerely,

*Michael Newport*  
Michael J. Newport  
Land Manager-Permian Basin

MJN:jb

*7/24/91*  
*Michael*  
*Could you be more specific*  
*as to the reason why this*  
*well location was moved.*  
*Thank.*  
*Michael Stogner*



# GREENHILL PETROLEUM CORPORATION

12777 JONES ROAD, SUITE 375  
HOUSTON, TEXAS 77070  
TELEPHONE (713) 955-1146  
FAX (713) 890-2405

Incorporated in Delaware, U.S.A.

June 17, 1991

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

Attn: Mike Stogner

Re: Unorthodox Location and Drilling Permit  
Proposed Well No. 102  
Lovington Paddock  
Lea County. New Mexico

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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 102 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 No. 102 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,

GREENHILL PETROLEUM CORPORATION

  
Michael J. Newport  
Landman

MJN:JB  
Enclosures

Submit to Appropriate District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-102  
 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  
 R.O. Dewar DD, Aramis, NM 88210

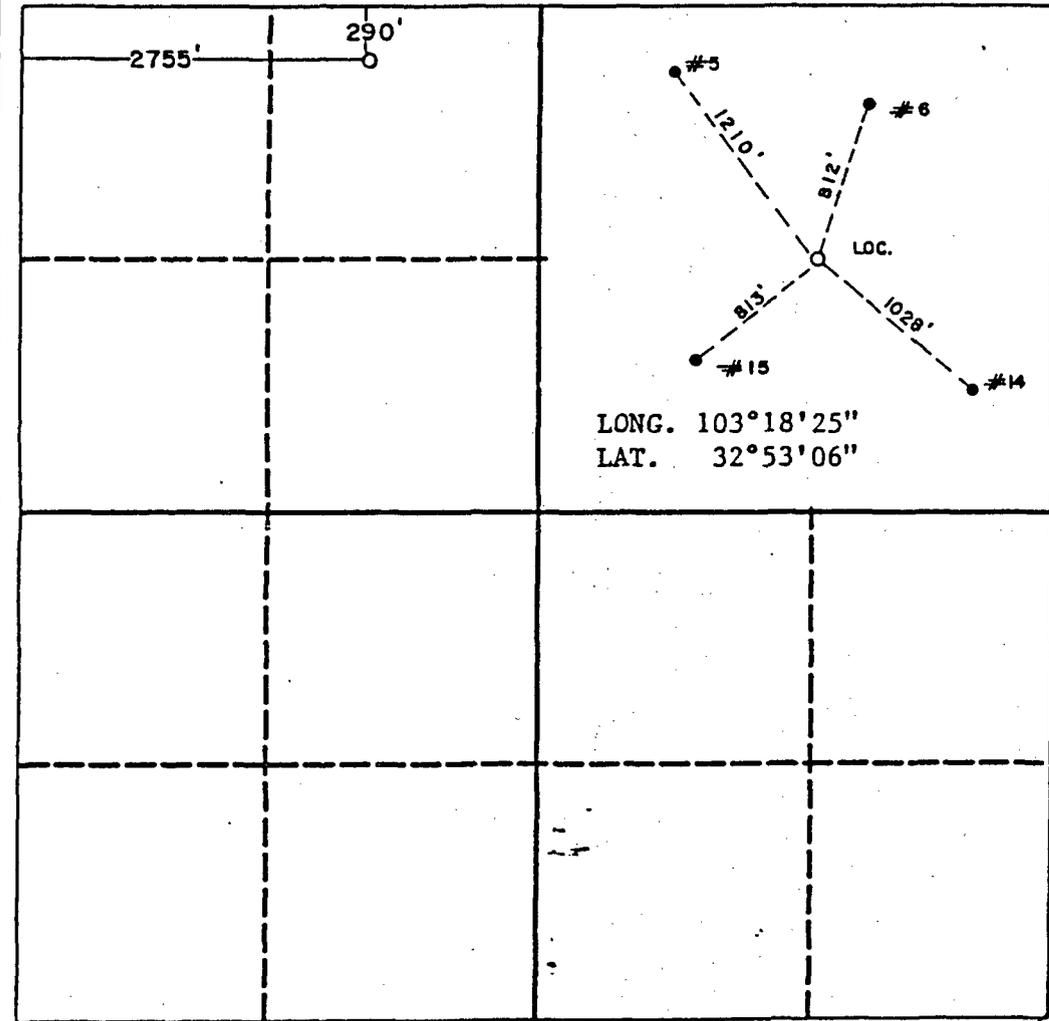
DISTRICT III  
 1000 Rio Brazos Rd., Aztec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

Operator <b>GREENHILL PETROLEUM CORP.</b>			Lease <b>LOVINGTON PADDOCK UNIT</b>		Well No. <b>102</b>
Unit Letter <b>C</b>	Section <b>36</b>	Township <b>16 SOUTH</b>	Range <b>36 EAST</b>	County <b>LEA</b>	
Actual Footage Location of Well: <b>290</b> feet from the <b>NORTH</b> line and <b>2755</b> feet from the <b>WEST</b> line					
Ground level Elev. <b>3841.9</b>	Producing Formation <b>Lovington Paddock</b>		Pool <b>Lovington Paddock Unit</b>		Dedicated Acreage: <b>40</b> Acres

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

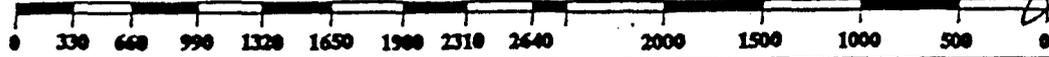
Signature: Michael Newport  
 Printed Name: Michael J. Newport  
 Position: Landman  
 Company: Greenhill Petroleum Corp  
 Date: 6/17/91

**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: 6-1-91  
 Signature & Seal of Professional Surveyor:  
  
 Certificate No. JOHN W. WEST 676  
RONALD J. EIDSON 3239

125830



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.  
 B2411

1. APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					
1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			7. Lease Name or Unit Agreement Name  LOVINGTON PADDOCK UNIT		
b. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			8. Well No. 102		
2. Name of Operator GREENHILL PETROLEUM CORPORATION			9. Pool name or Wildcat LOVINGTON PADDOCK		
3. Address of Operator 11490 WESTHEIMER, STE., 200, HOUSTON, TX 77077					
4. Well Location Unit Letter <u>C</u> : <u>290</u> Feet From The <u>NORTH</u> Line and <u>2755</u> Feet From The <u>WEST</u> Line					
Section <u>36</u>		Township <u>16S</u>		Range <u>36E</u>	
		NMPM <u>LEA</u>		County	
10. Proposed Depth <u>6600</u>		11. Formation <u>PADDOCK</u>		12. Rotary or C.T.	
13. Elevations (Show whether DF, RT, GR, etc.) <u>3841.9</u>		14. Kind & Status Plug. Bond <u>ON FILE</u>		15. Drilling Contractor <u>TBD</u>	
16. Approx. Date Work will start					
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	900	SURFACE
7 7/8	5 1/2	15.5	6600	TO BE DETERMINED	SURFACE
					BY FLD. CALIPER

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.

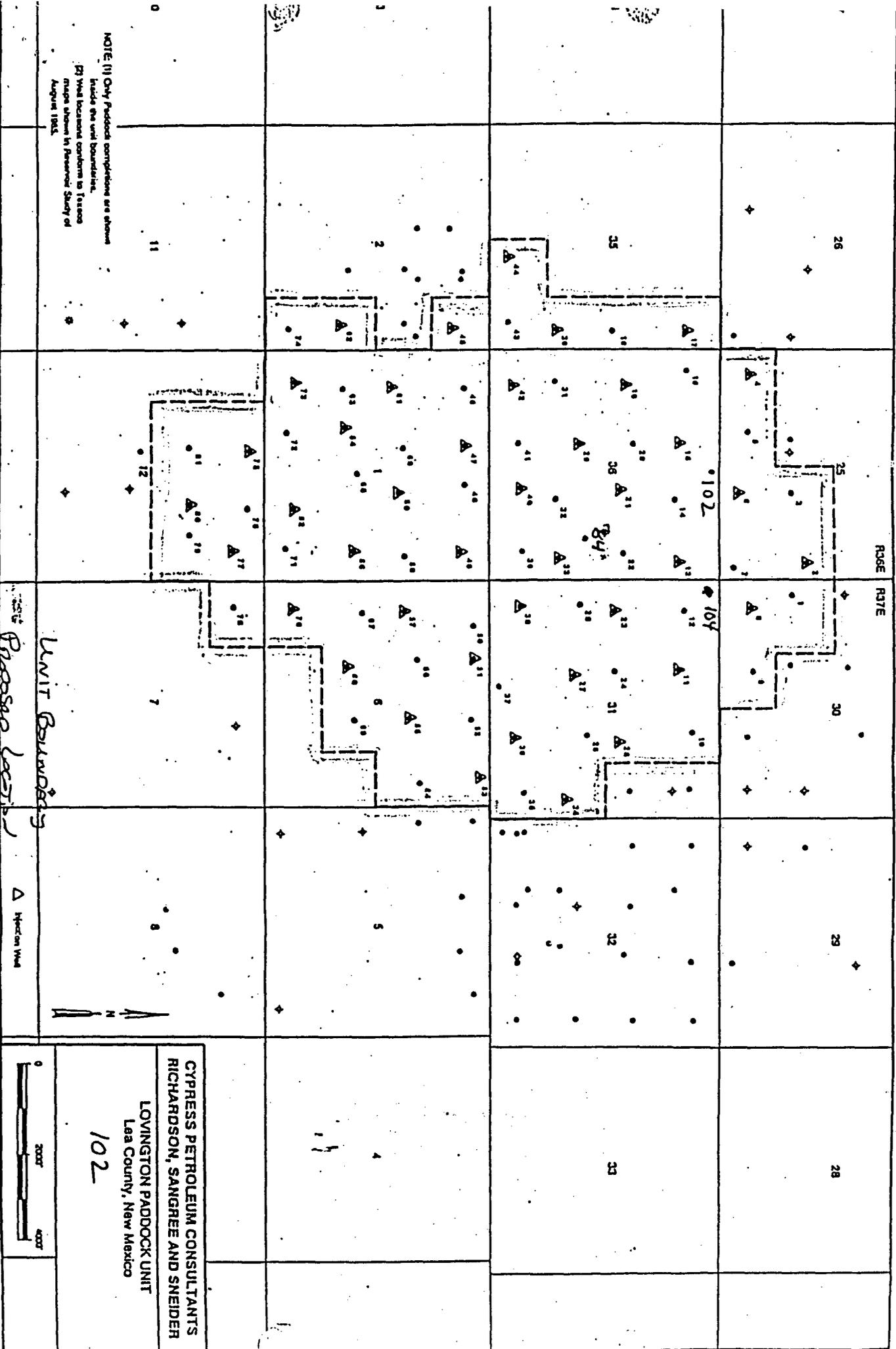
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Richard J. Newport TITLE LAND MANAGER-PERMIAN BASIN DATE 6-18-91  
 TYPE OR PRINT NAME MICHAEL J. NEWPORT TELEPHONE NO. 955-114

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

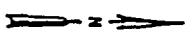


NOTE: (1) Only Paddock completions are shown  
 Inside the well boundaries.  
 (2) Well locations conform to Texas maps shown in Previous Study of August 1965.

ROGE R37E

UNIT Boundary

*Progress West*



CYPRESS PETROLEUM CONSULTANTS  
 RICHARDSON, SANGREE AND SNEIDER  
 LOVINGTON PADDOCK UNIT  
 Lea County, New Mexico

102

