



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

6-14-91

BRUCE KING  
GOVERNOR

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

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

RE: Proposed:

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

NSL-370  
3020

Gentlemen:

I have examined the application for the:

Greenhill Pet Corp Lovington Paddock Unit #120-D 6-17-37  
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

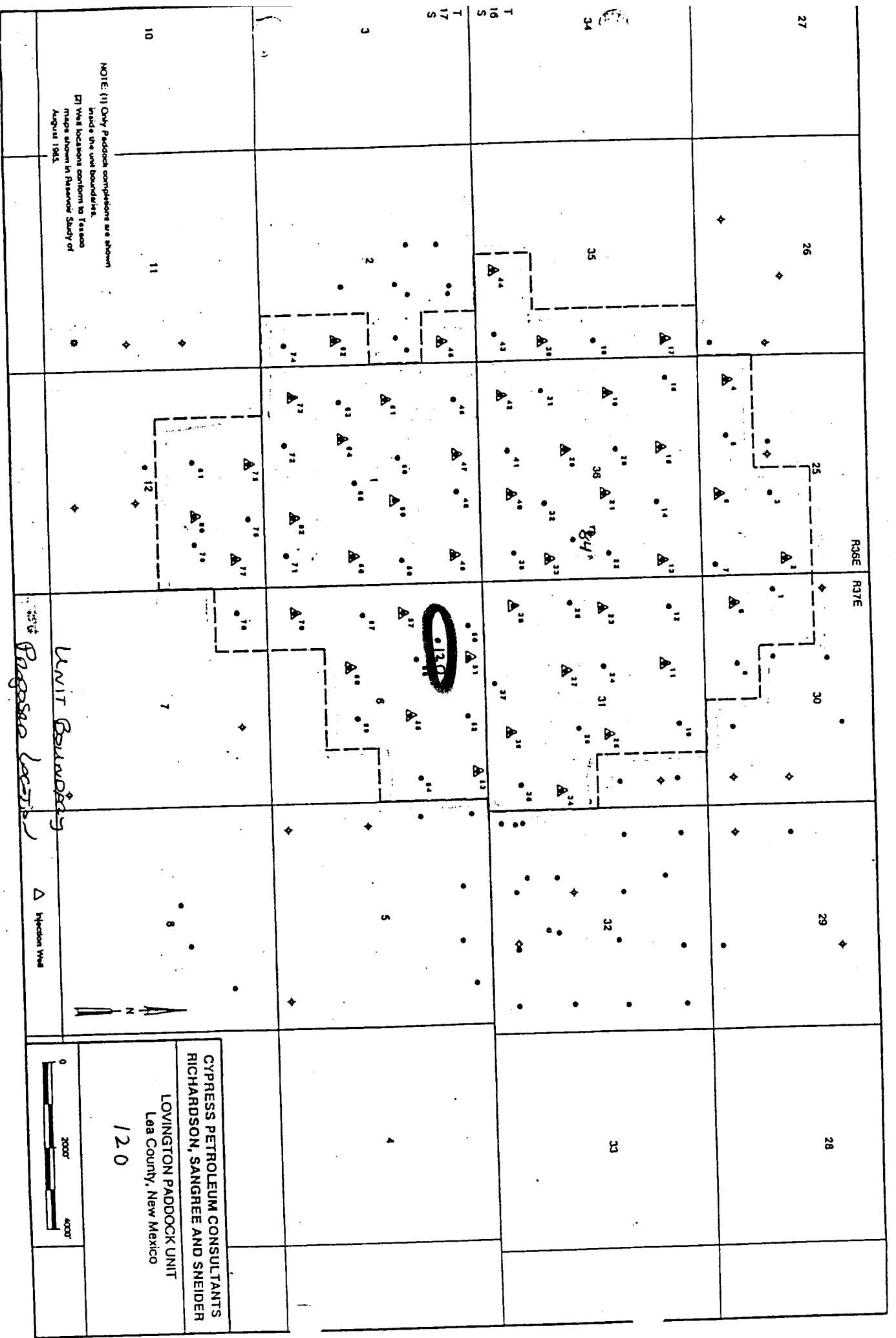
X  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

Jerry Sexton

Jerry Sexton  
Supervisor, District 1

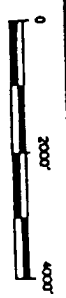
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NOTE: (1) Only Paddock completions are shown inside the unit boundaries.  
 (2) Well locations conform to Taseco maps shown in Reference Study of August 1965.

UNIT Boundary

Injection Well



120

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



# 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.

June 6, 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. 120  
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 120 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. 120 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