



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

BRUCE KING  
GOVERNOR

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

782-3108

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 San Andres Unit  
Operator Lease & Well No. Unit S-I-R

and my recommendations are as follows:

OK

# 76-B	36-16-36
# 77-E	31-16-37
# 78-J	36-16-36
# 79-K	31-16-37
# 80-O	36-16-36
# 81-N	31-16-37
# 82-O	31-16-37
# 83-J	1-17-36
# 84-B	1-17-36
# 85-H	1-17-36
# 86-C	6-17-37

# 87-J	1-17-36
# 88-J	1-17-36

Yours very truly,

Jerry Sexton

Jerry Sexton  
Supervisor, District 1

/ed



# GREENHILL PETROLEUM CORPORATION

11490 WESTHEIMER ROAD, SUITE 200  
HOUSTON, TEXAS 77077-6841  
TELEPHONE (713) 589-8484  
FAX (713) 589-7893

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 80  
Lovington San Andres 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 80 in the Lovington San Andres Unit, located in Lea County, New Mexico.

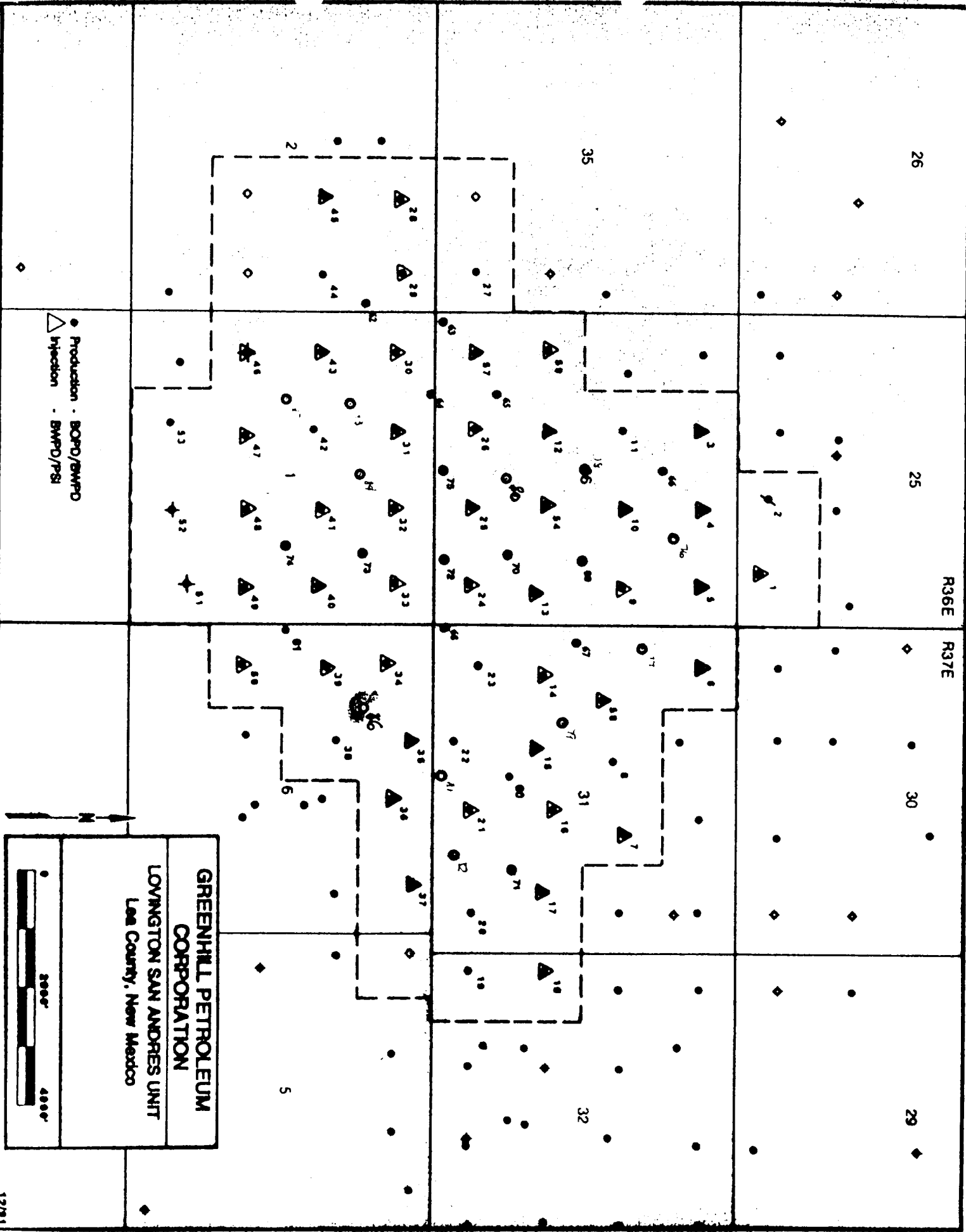
The Lovington San Andres Unit is presently developed and being waterflooded utilizing a 40-acre well density. It is believed that infill development using a 20-acre well density will improve waterflood sweep efficiency and will increase secondary oil recovery. The proposed location for Well Number 80 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,

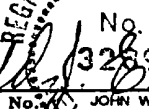
*Michael J. Newport*  
Michael J. Newport  
Land Manager-Permian Basin

MJN:sjs  
92. 204  
Enclosures



GREENHILL PETROLEUM CORPORATION  
LOVINGTON SAN ANDRES UNIT  
Lea County, New Mexico

**All Distances must be from the outer boundaries of the section.**


 No. 3259  
 Certificate No. \_\_\_\_\_ JOHN W. WEST  
 RONALD R. EISON  
 RAY L. JOHNSON  
 RONALD R. EISON

GREENHILL PETROLEUM CORPORATION  
BOP PROGRAM FOR  
LOVINGTON SAN ANDRES UNIT NUMBER 80

<u>CASING PROGRAM</u>				<u>BOP PROGRAM</u>	
<u>Size</u>	<u>Depth</u>	<u>Wt.</u>	<u>Grade</u>	<u>Configuration</u>	<u>Test Pressure</u>
8 5/8"	1300'	24	H40, STC	RA*	200 psi
5 1/2"	5150'	15.5	K55, STC	RR*	250/1500 psi

\*RR-Ram Ram  
RA-Ram Annular  
Diverter-Hydrill may be substituted for a diverter.

sjs:s  
92.222