



# GREENHILL PETROLEUM CORPORATION

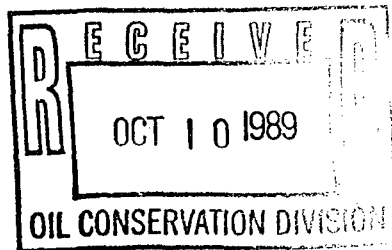
12777 JONES ROAD, SUITE 375  
HOUSTON, TEXAS 77070  
TELEPHONE (713) 955-1146  
FAX (713) 955-5105

Incorporated in Delaware, U.S.A.

October 6, 1989

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

Re: Unorthodox Locations and Drilling Permits  
Proposed Wells No. 65 and No. 66  
Lovington San Andres West Field  
West Lovington Unit  
Lea County, New Mexico



Gentlemen:

Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox locations and the attached permits to drill wells No. 65 and No. 66 in the Lovington San Andres West Field, West Lovington Unit, located in Lea County, New Mexico.

The West Lovington 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 locations for wells No. 65 and No. 66 are located in the interior of the unit and are not competitive with offset wells outside the unit. Information gathered as a result of drilling these infill wells will be utilized in evaluating additional infill development potential in the unit and ultimately may be used to evaluate the feasibility of tertiary recovery.

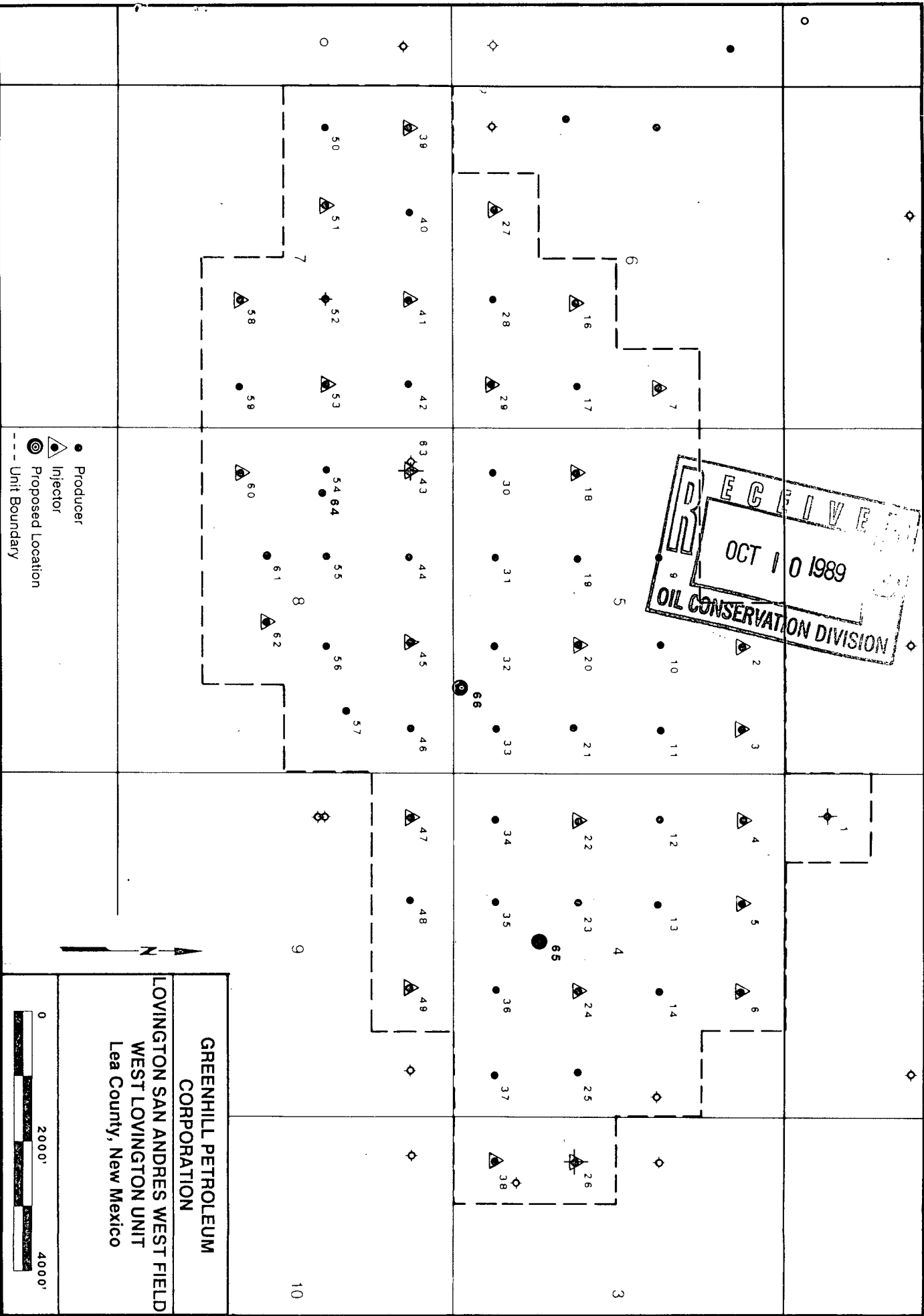
Greenhill Petroleum Corporation wishes to commence drilling operations on the two proposed wells as soon as possible and would appreciate a response to this request at your earliest convenience.

Sincerely,

Norbert Renaud  
Production Engineer

NPR:JAM

Enclosures



NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease  
STATE ☒ FEE ☐

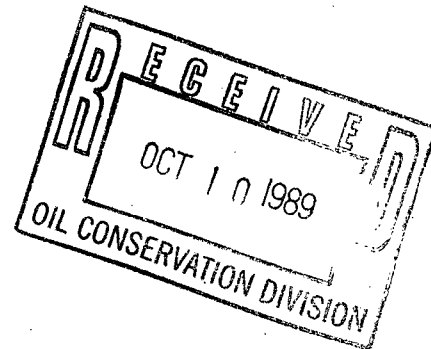
5. State Oil & Gas Lease No.  
B-3009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		West Lovington Unit	
2. Name of Operator Greenhill Petroleum Corporation (713) 870-0606		8. Farm or Lease Name	
3. Address of Operator 16010 Barker's Pt. Ln., Ste-325 Houston, Texas 77079		9. Well No. 66	
4. Location of Well UNIT LETTER <u>P</u> LOCATED <u>1300</u> FEET FROM THE <u>East</u> LINE AND <u>135</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>5</u> TWP. <u>17S</u> RGE. <u>36E</u> NMPM		10. Field and Pool, or Wildcat Lovington S.A. West	
12. County Lea			
19. Proposed Depth 5200		19A. Formation San Andres	
20. Rotary or C.T. Rotary			
21. Elevations (show whether DF, RT, etc.) 3891.5 GL	21A. Kind & Status Plug. Bond Blanket on File	21B. Drilling Contractor TBD	22. Approx. Date Work will start 10-25-89

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	48#	350'	450	Surface
12 1/4	8 5/8	24#	2000'	1050	Surface
7 7/8	5 1/2	15.5#	5230'	200	4150'



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.

Signed Gene Linton Title Production Coordinator Date 10-9-89  
(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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  
P.O. Drawer DD, Artesia, NM 88210

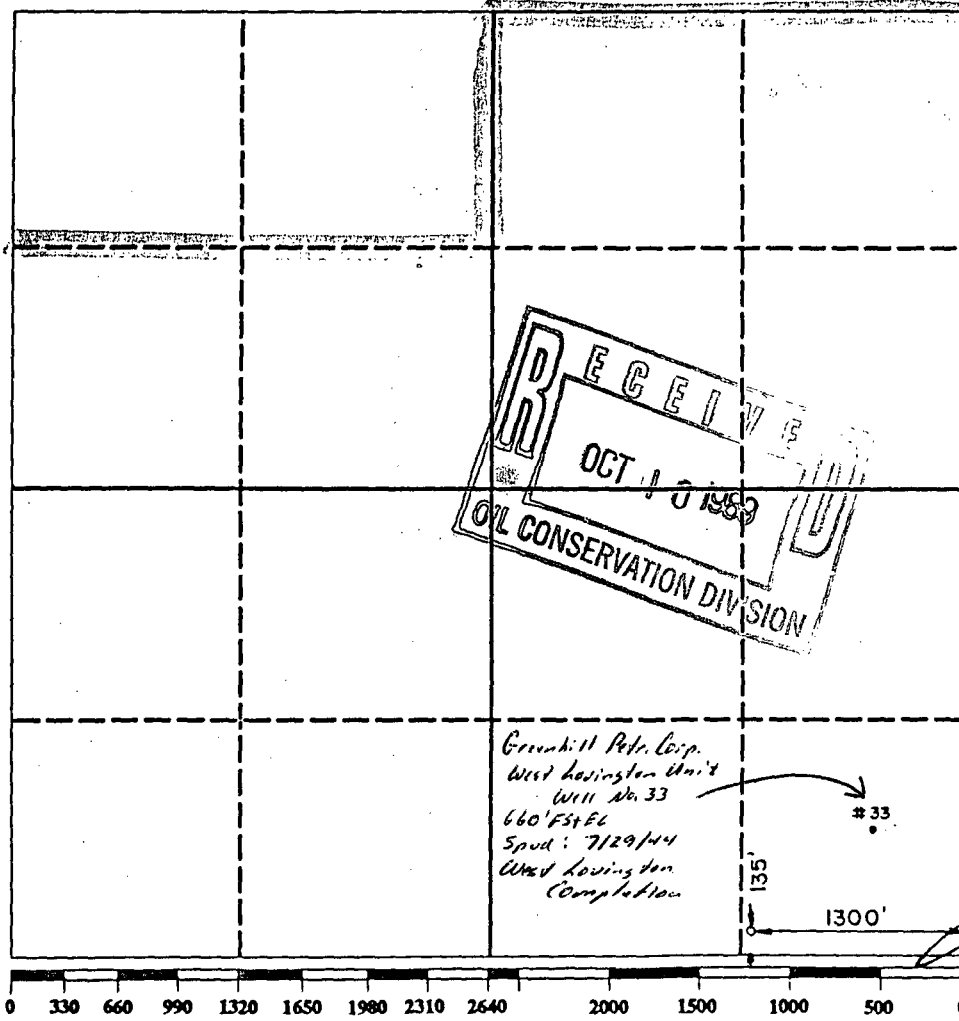
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Greenhill Petroleum Corp.			Lease West Lovington Unit		Well No. 66
Unit Letter P	Section 5	Township 17 South	Range 36 East	County Lea	NMPM
Actual Footage Location of Well: 135 feet from the South line and 1300 feet from the East line					
Ground level Elev. 3891.5	Producing Formation San Andres		Pool Lovington San Andres West		Dedicated Acreage: 20 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 \_\_\_\_\_  
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

Printed Name

Gene Linton

Position

Production Coordinator

Company

Greenhill Petroleum Corp

Date

10-9-89

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

September 8, 1989

Signature & Seal of Professional Surveyor

Certificate No. 1 JOHN W. WEST 576  
JOHN W. WEST 239



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

GARREY CARRUTHERS  
GOVERNOR

10-11-89

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

OIL CONSERVATION DIVISION  
RECEIVED  
89 OCT 16 AM 10 35

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 Pet. Corps. West Lovington Unit # 65-K* } *# 66-P*  
Operator                      Lease & Well No.      Unit      S-T-R      *4-17-36* } *5-17-36*

and my recommendations are as follows:

*OK JS*

Yours very truly,

*Jerry Sexton*  
Jerry Sexton  
Supervisor, District 1

/ed