



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.

100' FSL - 115' FUL

M-36-165-365

September 5, 1990

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: Lovington San Andres Unit Area
Lea County, New Mexico

- OK

*- Don Greenhill
Control S.A. offset ?*

REC'D
OIL CONSERVATION DIVISION
SEP 17 1990

Greenhill Petroleum Corporation has requested a drilling permit covering Well Numbers 62, ~~63~~, 64, 65, 66, 67, and 68 on a 20 acre infill density in the Lovington San Andres Unit. Well Numbers 62, 63, 65 and 66 are in the forty acre units ~~which are on the perimeter of the unit.~~ Greenhill is the operator of the Lovington Paddock ~~Unit which is the acreage offsetting these tracts.~~ Therefore, all offset operators have been notified. *OK*

Respectfully yours,

GREENHILL PETROLEUM CORPORATION

Michael J. Newport
Landman

MJN:ntd
Enclosures
LSA022



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September 5, 1990

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. 63~~
Lovington San Andres Unit
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 63 in the Lovington San Andres Unit, located in Lea County, New Mexico.

The Lovington San Andres 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 water-flood sweep efficiency and will increase secondary oil recovery. The proposed location for Well Number 63 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

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

A handwritten signature in cursive script, appearing to read "Michael J. Newport".

Michael J. Newport
Landman

MJN:ntd
Enclosures
WLU060



GREENHILL PETROLEUM CORPORATION

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HOUSTON, TEXAS 77070
TELEPHONE (713) 955-1146
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Incorporated in Delaware, U.S.A.

1168' FSL - 1315' FOL

M-36-165-365

September 5, 1990

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: Lovington San Andres Unit Area
Lea County, New Mexico

*Only 5' from
1/4 1/4 Section*
*Appears to have
another party
controlling SA offset*
SEP 17 1990
DIVISION

Greenhill Petroleum Corporation has requested a drilling permit covering Well Numbers 62, 63, 64, **65**, 66, 67, and 68 on a 20 acre infill density in the Lovington San Andres Unit. Well Numbers 62, 63, 65 and 66 are in the forty acre units which are on the perimeter of the unit. Greenhill is the operator of the Lovington Paddock Unit which is the acreage offsetting these tracts. Therefore, all offset operators have been notified.

Respectfully yours,

GREENHILL PETROLEUM CORPORATION

Michael J. Newport
Landman

MJN:ntd
Enclosures
LSA022



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September 5, 1990

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. 65~~
Lovington San Andres Unit
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 65 in the Lovington San Andres Unit, located in Lea County, New Mexico.

The Lovington San Andres 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 water-flood sweep efficiency and will increase secondary oil recovery. The proposed location for Well Number 65 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

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

A handwritten signature in cursive script, appearing to read "Michael J. Newport".

Michael J. Newport
Landman

MJN:ntd
Enclosures
WLU060



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September 5, 1990

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. 65~~
~~Lovington San Andres Unit~~
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 65 in the Lovington San Andres Unit, located in Lea County, New Mexico.

The Lovington San Andres 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 water-flood sweep efficiency and will increase secondary oil recovery. The proposed location for Well Number 65 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:ntd
Enclosures
WLU060

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.
B7766

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 San Andres Unit		
b. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			8. Well No. 65		
2. Name of Operator Greenhill Petroleum Corporation			9. Pool name or Wildcat Lovington Grayburg San Andres		
3. Address of Operator 16010 Barkers Point Lane, Suite 325, Houston, TX 77079			4. Well Location Unit Letter <u>N</u> : <u>1168</u> Feet From The <u>South</u> Line and <u>1330</u> Feet From The <u>West</u> Line Section <u>36</u> Township <u>16 South</u> Range <u>36 East</u> NMPM <u>Lea</u> County		
10. Proposed Depth 5100'		11. Formation San Andres		12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) 3826.4 GR		14. Kind & Status Plug, Bond Blanket on file		15. Drilling Contractor TBD	
				16. Approx. Date Work will start 12-1-90	
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	350'	300	Surface
7 7/8	5 1/2	15.5	5100'	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 10-23-90
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:

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

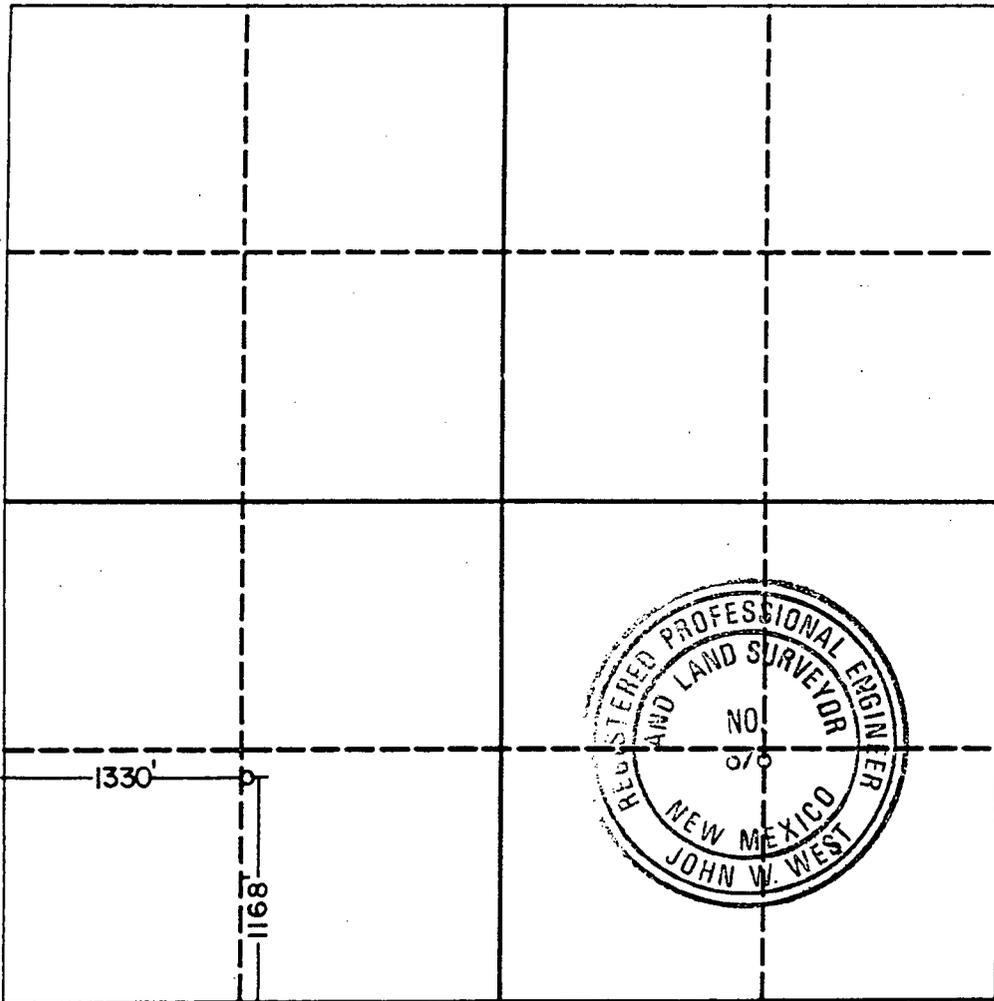
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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 Lovington San Andres Unit		Well No. 65
Unit Letter N	Section 36	Township 16 South	Range 36 East	County Lea
Actual Footage Location of Well: 1168 feet from the South line and 1330 feet from the West line				
Ground level Elev. 3826.4	Producing Formation San Andres	Pool Lovington Grayburg San Andres	Dedicated Acreage: 20 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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: *Michael J. Newport*
 Printed Name: Michael J. Newport
 Position: Landman
 Company: Greenhill Petroleum Corp.
 Date: 10-23-90

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: August 20, 1990

Signature & Seal of Professional Surveyor:
John W. West
 Certificate No. JOHN W. WEST, 676
 RONALD J. EIDSON, 3239



125690



GREENHILL PETROLEUM CORPORATION

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

RECEIVED

'90 SEP 25 AM 8 40

Incorporated in Delaware, U.S.A.

*100' FSL - 115' FWL
M-36 - 165 - 36 E*

September 19, 1990

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Attn: Michael Stogner

Re: Lovington San Andres
Les County, New Mexico

Dear Mr. Stogner:

Enclosed find the C101 and C102 forms covering Well Nos. 62, 63, 64, 65, 66, 67 and 68. Also enclosed is a plat covering the area.

Very truly yours,

Michael J. Newport
Michael J. Newport
Landman

MJN:JB

Enclosures



GREENHILL PETROLEUM CORPORATION

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

OIL CONSERVATION DIVISION
RECEIVED

Incorporated in Delaware, U.S.A.

'90 SEP 25 AM 8 40

September 19, 1990

1168' FSL - 1315' FDL

36-16S-36E

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Attn: Michael Stogner

Re: Lovington San Andres
Les County, New Mexico

Dear Mr. Stogner:

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Very truly yours,

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.
B 7766

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 San Andres
b. Type of Well: 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"/>		
2. Name of Operator Greenhill Petroleum Corporation		8. Well No. 65
3. Address of Operator 16010 Barker's Point Lane, Ste. 325, Houston, Texas 77079		9. Pool name or Wildcat Lovington Grayburg San Andres
4. Well Location Unit Letter <u>M</u> : <u>1168</u> Feet From The <u>South</u> Line and <u>1315</u> Feet From The <u>West</u> Line Section <u>36</u> Township <u>16 South</u> Range <u>36 East</u> NMPM <u>Lea</u> County		

10. Proposed Depth 5100'		11. Formation San Andres	12. Rotary or C.T. Rotary
-----------------------------	--	-----------------------------	------------------------------

13. Elevations (Show whether DF, RT, GR, etc.) 3926.4 GR	14. Kind & Status Plug, Bond Blanker on File	15. Drilling Contractor TBD	16. Approx. Date Work will start 10/1/90
---	---	--------------------------------	---

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	350'	300	Surface
7 7/8	5 1/2	15.5	5100'	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 9/13/90
TYPE OR PRINT NAME Michael J. Newport TELEPHONE NO. 713 955 1146

(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

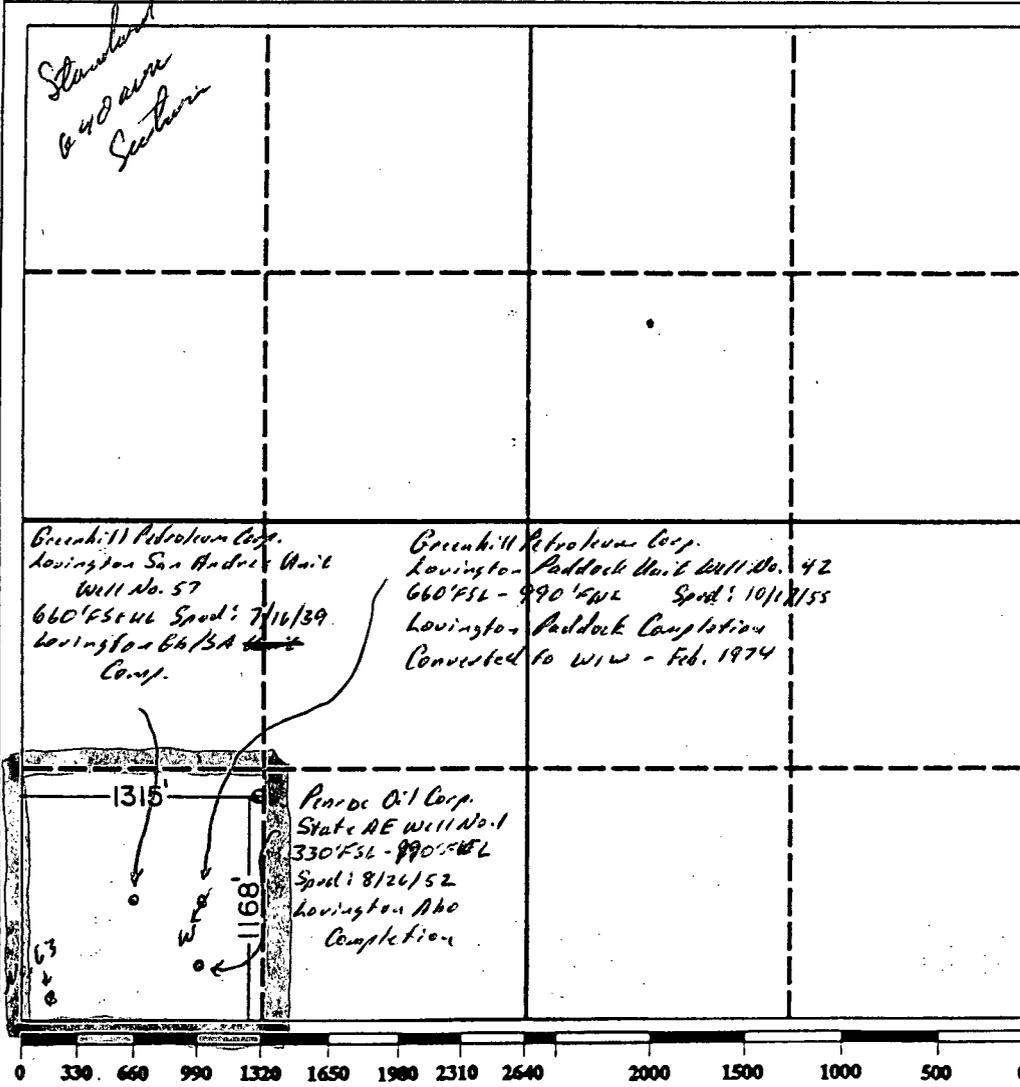
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator GREENHILL PETROLEUM CORP.			Lease Lovington San Andres Unit		Well No. 65
Unit Letter M	Section 36	Township 16 South	Range 36 East	County Lea	
Actual Footage Location of Well: 1168 feet from the South line and 1315 feet from the West line					
Ground level Elev. 3826.4	Producing Formation		Pool	Dedicated Acreage: 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
Michael J. Newport

Printed Name
Michael J. Newport

Position
Landman

Company

Date

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
August 20, 1990

Signature & Seal of Professional Surveyor
Ronald J. Eidson

Certificate No. 676
John W. West

676
Ronald J. Eidson
3239
New Mexico
John W. West

125630