



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

BRUCE KING  
GOVERNOR

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

February 4, 1991

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

Attention: Michael J. Newport

*RE: Application to amend Division Order NSL-2918*

Dear Mr. Newport:

Your application dated November 28, 1990 appears to be an amendment to Division Administrative Order NSL-2918, which authorized the unorthodox oil well location for the Lovington San Andres Unit No. 68 to be located 188 feet from the South line and 10 feet from the West line (Unit M) of Section 31, Township 16 South, Range 37 East, NMPM, Lovington Grayburg San Andres Pool, Lovington-San Andres Unit Waterflood Project Area, Lea County, New Mexico. I am unclear as to the reason for the move of this well to your proposed new location 238 feet from the South line and 35 feet from the West line (Unit M) of said Section 31.

This information should be sufficient for me to process your application. Thank you.

Sincerely,

Michael E. Stogner  
Chief Hearing Officer/Engineer

MES/ag

cc: Oil Conservation Division - Hobbs

8/26/95  
*No response to this letter,  
but who cares.  
Order amended.*



# 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.

November 27, 1990

Oil Conservation Division  
P.O. Box 1980  
Hobbs, NM 88240

NSL-2918

Re: Lovington-San Andres  
Well No. 68  
Lea County, NM

Enclosed please find the revised C-101 and C-102 covering Well No. 68. The location had to be moved due to surface problems. Please advise if I may provide you with additional information.

Sincerely,

Michael J. Newport  
Landman

MJN:JB  
Enclosure

cc: Mike Stogner/Santa Fe



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November 28, 1990

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

Attn: Mike Stogner

Re: Unorthodox Location and Drilling Permit  
Proposed Well No. 68  
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 68 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 waterflood sweep efficiency and will increase secondary oil recovery. The proposed location for Well No. 68 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 of 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*  
Michael J. Newport  
Landman

MJN:JB  
Enclosures

GREENHILL PETROLEUM CORPORATION  
BOP PROGRAM FOR  
LOVINGTON SAN ANDRES UNIT # 68

<u>Casing Program</u>				<u>BOP Program</u>	
Size	Depth	Wt	Grade	Configuration	Test Pressure
8 5/8"	350'	24	H40, STC	RA	200 psi
5 1/2"	5100'	15.5	K55, STC	RR	250/1500 PSI

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

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.

B7876

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL  
WELL ☒

GAS  
WELL ☐

OTHER ☐

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

7. Lease Name or Unit Agreement Name

Lovington San Andres Unit

2. Name of Operator

Greenhill Petroleum

8. Well No.

68

3. Address of Operator

16010 Barkers Point, Ste., 325, Houston, TX 77079

9. Pool name or Wildcat

Lovington Grayburg San Andres

4. Well Location

Unit Letter M : 238 Feet From The South Line and 35 Feet From The West Line

Section 31

Township 16 South

Range 37 East

NMPM

Lea

County

10. Proposed Depth

5100

11. Formation

San Andres

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

3818.7 GR

14. Kind & Status Plug. Bond

Blanket

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 11-28-90

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:

# OIL CONSERVATION DIVISION

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

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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

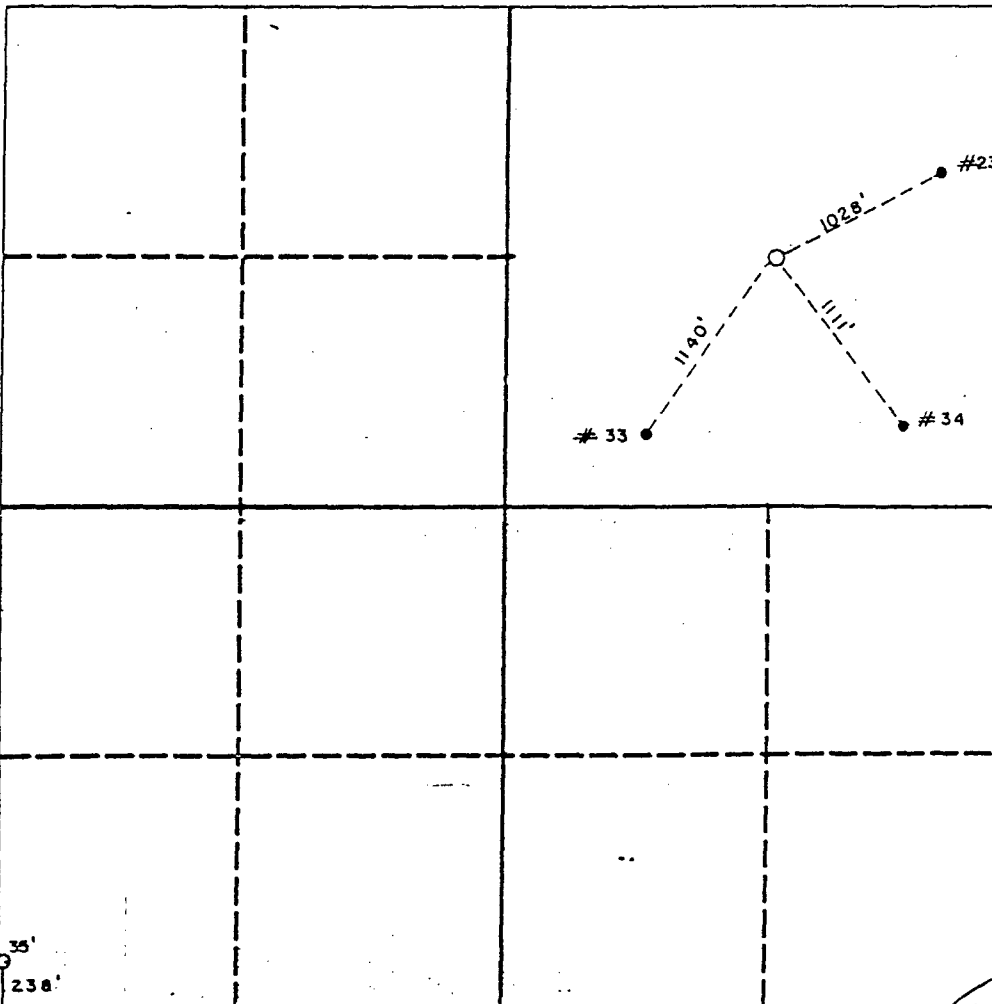
All Distances must be from the outer boundaries of the section

Operator <b>GREENHILL PETROLEUM CORP.</b>			Lease <b>LOVINGTON SAN ANDRES UNIT</b>		Well No. <b>68</b>
Unit Letter <b>M</b>	Section <b>31</b>	Township <b>16 SOUTH</b>	Range <b>37 EAST</b>	County <b>LEA</b>	
NMPM					

Actual Footage Location of Well:

238 feet from the <b>SOUTH</b> line and	35 feet from the <b>WEST</b> line
Ground level Elev. <b>3818.7</b>	Producing Formation <b>San Andres</b>
Pool <b>Lovington Grayburg San Andres</b>	Dedicated Acreage: <b>4.0 Acres</b>

- 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 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

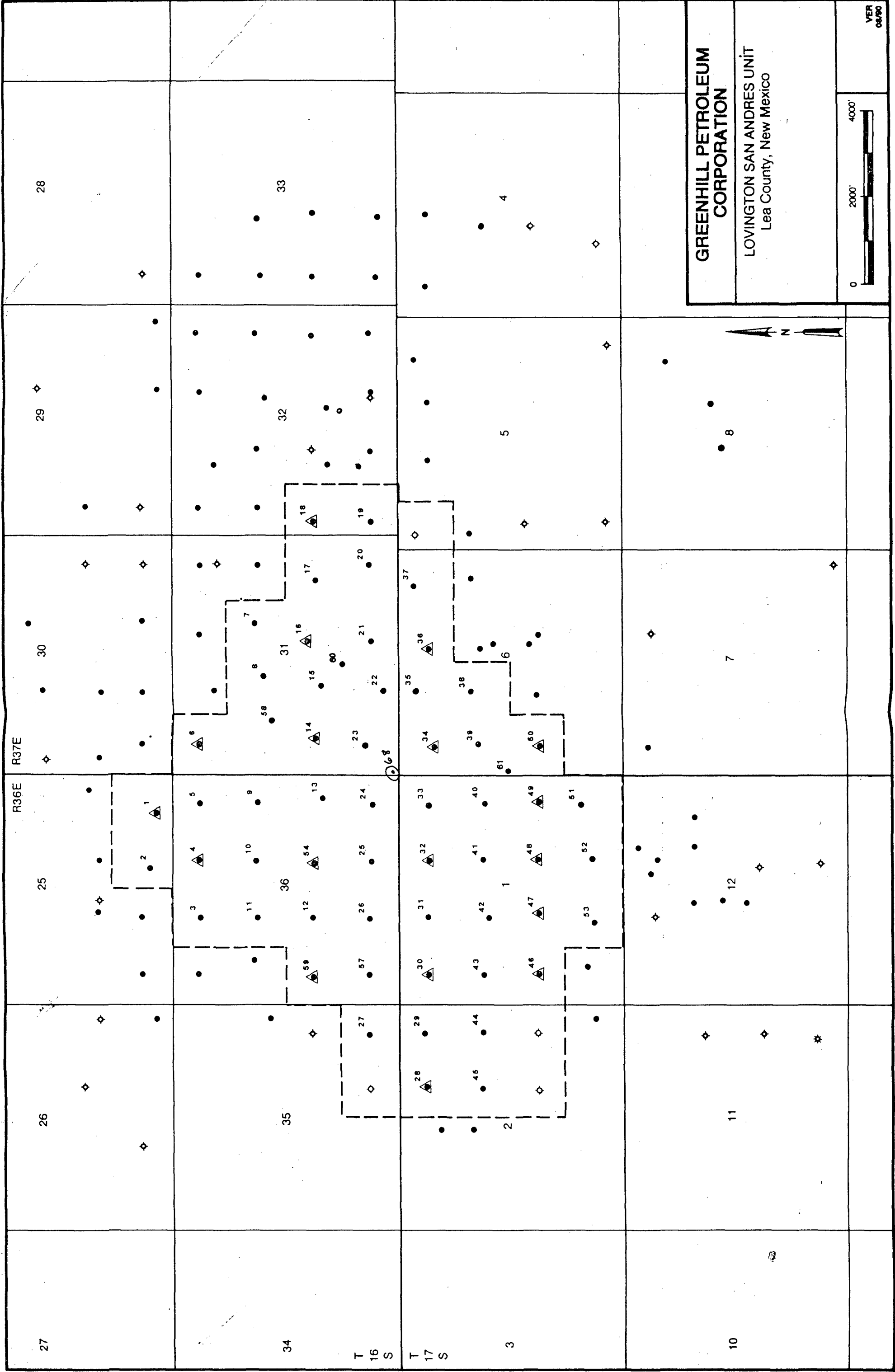
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature <i>Michael J. Newport</i>
Printed Name <b>Michael J. Newport</b>
Position <b>Landman</b>
Company <b>Greenhill Petroleum</b>
Date <b>11-28-90</b>

### 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 <b>11-14-90</b>
Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i>
Certificate No. <b>JOHN W. WEST, 676</b> <b>RONALD J. EIDSON, 3239</b>



**GREENHILL PETROLEUM CORPORATION**

LOVINGTON SAN ANDRES UNIT  
Lea County, New Mexico

0 2000' 4000'

VER 08/90

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

OIL CONSERVATION DIVISION  
RECEIVED  
90 DEC 6 AM 9 13