



# 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.

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

*188' ESE - 5' ENE*

*M-31-165-37E*

*- well is 5' from 1/4 1/4*

*Section line*

*- No offset.*

SEP 17 AM 9 07

OIL CONSERVATION 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*

Michael J. Newport  
Landman

MJN:ntd  
Enclosures  
LSA022



# GREENHILL PETROLEUM CORPORATION

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

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

Incorporated in Delaware, U.S.A.

RECEIVED  
OIL CONSERVATION DIVISION

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

'90 SEP 25 AM 8 40

*188' FSL - 5' FWL*

September 19, 1990

*M-31-165-37E*

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

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

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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.

B7896

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 Corporation

8. Well No.

68

3. Address of Operator

16010 Barkers Point Lane, Suite 325, Houston, TX 77079

9. Pool name or Wildcat

Lovington Grayburg San Andres

4. Well Location

Unit Letter M : 188 Feet From The South Line and 10 Feet From The West Line

Section 31

Township 16 South Range 37 East

NMMPM

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 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. 68
Unit Letter M	Section 31	Township 16 South	Range 37 East	County Lea	
NMPM					

Actual Footage Location of Well:

188 feet from the South line and 10 feet from the West line			
Ground level Elev. 3818.7	Producing Formation San Andres	Pool Lovington Grayburg San Andre	Dedicated Acreage: 20 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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.

10'	188'												
0	330	660	990	1320	1650	1980	2310	2640	2000	1500	1000	500	0

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 ROMAN MEYERSON 1239



# 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 23, 1990

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

Re: Lovington San Andres  
Well Nos. 64, 65 and 68  
Lea County, NM

Enclosed please find six copies of forms C-101 and C-102 for each of the wells listed below:

Well Numbers: 64, 65 and 68

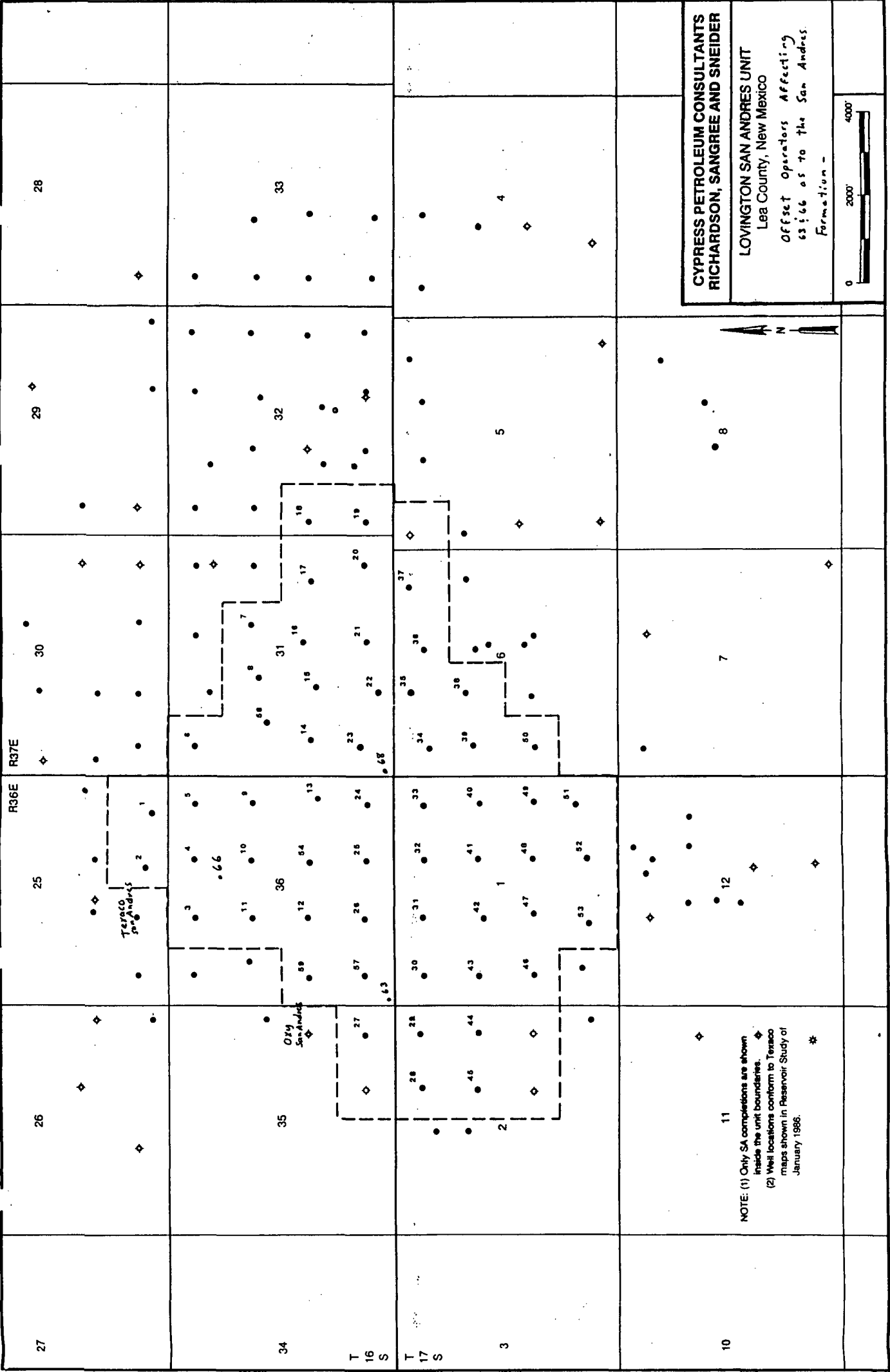
Also enclosed are copies of letters I have sent to Mike Stogner.

Sincerely,

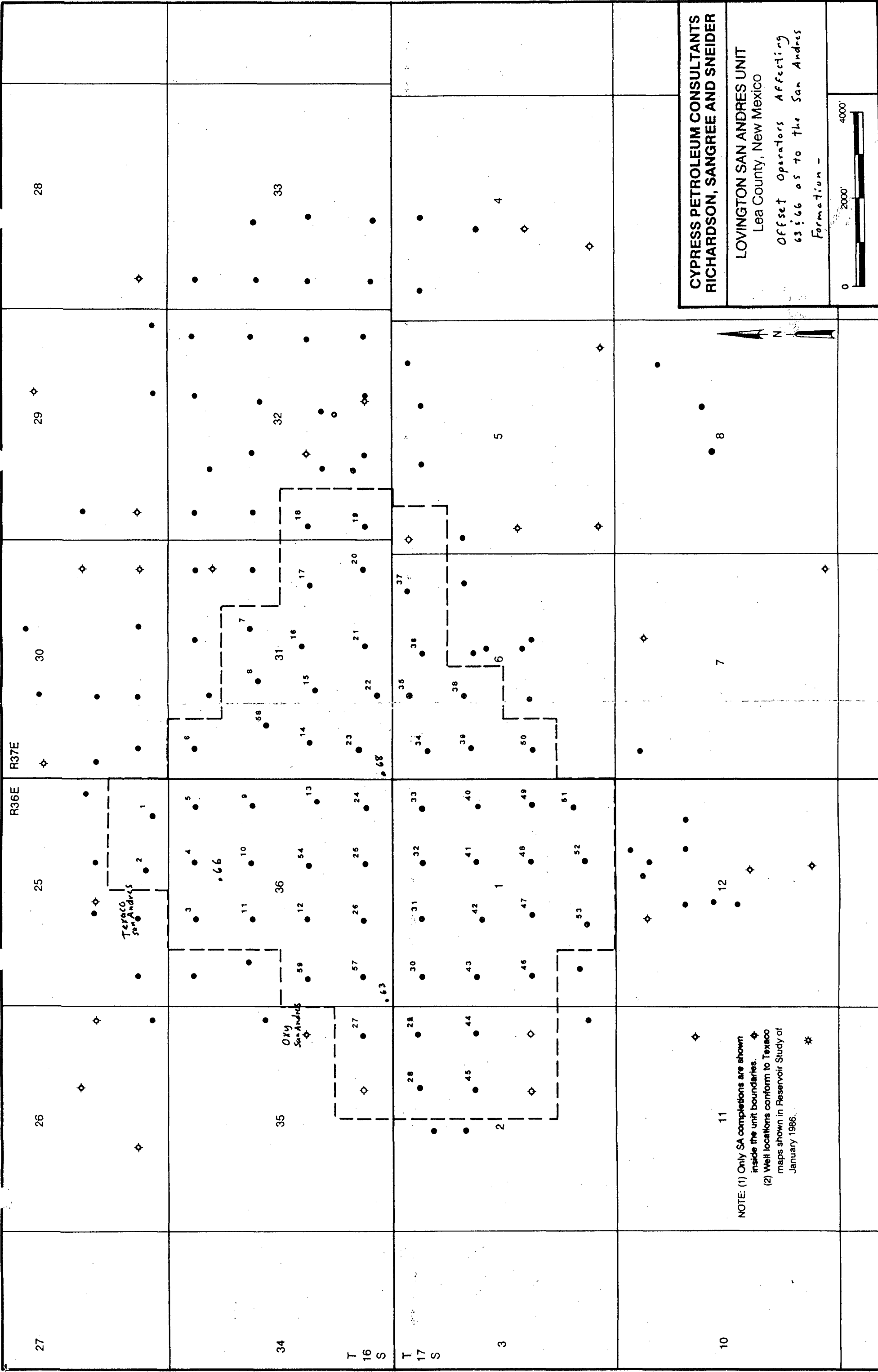
Michael J. Newport  
Landman

MJN:JB  
Enclosures

cc: Mike Stogner  
Oil Conservation Division  
P.O. Box 2088  
Santa Fe, NM 87504-2088









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

GARREY CARRUTHERS  
GOVERNOR

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

September 28, 1990

Greenhill Petroleum Corp.  
12777 Jones Road  
Suite 375  
Houston, TX 77070

Attention: Michael J. Newport

*RE: Unorthodox oil well locations, Lovington San Andres Unit  
Well Nos. 63, 64, 65, 66 and 68, Lovington Grayburg San  
Andres Pool, Lea County, New Mexico.*

Dear Mr. Newport:

Having reviewed many applications from Greenhill Petroleum Corporation for unorthodox oil well locations in waterflood project areas in the last several months, the same errors and oversights to the General Rules continue to occur. Small as these oversights may be, they consistently take your time and mine causing delays in the processing of the applications, and in most cases, preventing the applications from being considered administratively.

I have attached a copy of General Rule 104.F, which is the requirements for unorthodox locations. In particular, Paragraph F.I. states, in part:

"to permit the completion of an efficient production and injection pattern within a secondary recovery or pressure maintenance project, provided that any such unorthodox location within such project is no closer than 330 feet to the outer boundary of the lease or the unitized area, nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary."

It appears that Well Nos. 64, 65 and 68 are only five feet from one of these interior boundaries. Therefore, these applications cannot be approved administratively and will require a hearing. Please contact me at your earliest convenience should you desire to have these set for the next examiner hearing.

Greenhill Petroleum Corp.  
Attention: Michael J. Newport  
September 28, 1990  
Page 2

Also, Paragraph 104.IV states that, "all operators of proration or spacing units offsetting the unit for which the unorthodox location is sought shall be notified..." Both the NW/4 NE/4 (Unit B) and the SW/4 SW/4 (Unit M) of Section 36, Township 16 South, Range 36 East, NMPM, Lea County, New Mexico, in which the No. 63, 65 and 66 wells are located, are situated at the border of the Unit Area by their northwest corners. Your application stated that Greenhill is the operator of the Lovington Paddock Unit which is the acreage offsetting these tracts; however, these particular applications are for wells in the San Andres formation and I'm still unclear by looking at the land plat provided as to who controls the San Andres formation in the offsetting area.

So that the remaining applications may be processed, please address these concerns as soon as possible.

Should you have any questions concerning this matter, please contact me. Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner", with a long horizontal line extending to the right.

Michael E. Stogner  
Chief Hearing Officer/Engineer

MES/ag

Oil Conservation Division - Hobbs

size or shape of the unit is necessitated by a variation in the legal subdivision of the U. S. Public Land Surveys, or the following facts exist and the following provisions are complied with:

- (a) The non-standard unit consists of quarter-quarter sections or lots that are contiguous by a common bordering side.
- (b) The non-standard unit lies wholly within a single governmental quarter section if the well is completed in a pool or formation for which 160 acres is the standard unit size or wholly within a single governmental half section if the well is completed in a pool or formation for which 320 acres is the standard unit size.
- (c) The applicant presents written consent in the form of waivers from all offset operators and from all operators owning interests in the quarter section (for 160-acre pools or formations) or the half section (for 320-acres pools or formations) in which the non-standard unit is situated and which acreage is not included in said non-standard unit.
- (d) In lieu of paragraph (c) of this rule, the applicant may furnish proof of the fact that all of the aforesaid operators were notified by registered or certified mail of his intent to form such non-standard unit. The Director may approve the application if no such operator has entered an objection to the formation of such non-standard unit within 30 days after the Director has received the application.

E. Form C-101, Application for Permit to Drill, Deepen, or Plug Back for any well shall designate the exact legal subdivision allotted to the well and no Form C-101 will be approved by the Division or any of its agents without such proper designation of acreage.

#### F. UNORTHODOX LOCATIONS

I. The Division Director shall have authority to grant an exception to the well location requirements of Sections B and C above without notice and hearing when the necessity for such unorthodox location is based upon topographical conditions, the recompletion of a well previously drilled to a deeper horizon, provided said well was drilled at an orthodox or approved unorthodox location for such original horizon, or ~~to permit the completion of an efficient production and injection pattern within a secondary recovery or pressure maintenance project, provided that any such unorthodox location within such project is no closer than 330 feet to the outer boundary of the lease or the unitized area, nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary.~~

II. The Division Director shall have authority to grant an exception to the well location requirements of Rule 104 B.I.(a) and Rule 104 C.II.(a) without notice and hearing when the necessity for such unorthodox location is based upon geologic conditions provided that any such unorthodox location shall be no closer than 660 feet to the nearest side boundary nor closer than 990 feet to the nearest end boundary of the proration unit.

III. Applications for administrative approval of unorthodox locations shall be filed in triplicate and shall be accompanied by plats, showing the ownership of all leases offsetting the proration or spacing unit for which the unorthodox location is sought, and also all wells completed thereon. If the proposed unorthodox location is based upon topography, the plat shall also show and describe the existent topographical conditions. If the proposed unorthodox location is based upon completion of an efficient production and injection pattern, the plat shall also show the project outline identifying all producing and injection wells therein, and the applicant shall further include a statement setting forth the necessity for such location. If the proposed unorthodox location is based upon geology as provided in Paragraph II above, the application shall include

appropriate geologic maps, cross-sections, and/or logs, and a discussion of the geologic conditions which result in the necessity for the unorthodox location.

IV. All operators of proration or spacing units offsetting the unit for which the unorthodox location is sought shall be notified of the application by certified or registered mail, and the application shall state that such notification has been given. The Division Director may approve the unorthodox location upon receipt of waivers from all offset operators or if no offset operator has entered an objection to the unorthodox location within 20 days after the Director has received the application.

V. The Division Director may, at his discretion, set any application for administrative approval of an unorthodox location for public hearing.

G. Whenever an exception is granted, the Division may take such action as will offset any advantage which the person securing the exception may obtain over other producers by reason of the unorthodox location.

H. If the drilling tract is within an allocated oil pool or is placed within such allocated pool at any time after completion of the well and the drilling tract consists of less than  $39\frac{1}{2}$  acres or more than  $40\frac{1}{2}$  acres, the top unit allowable for such well shall be increased or decreased in the proportion that the number of acres in the drilling tract bears to 40.

I. If the drilling tract is within an allocated gas pool or is subsequently placed within an allocated gas pool, and the drilling tract consists of less than 158 acres or more than 162 acres in 160-acre pools, or less than 316 acres or more than 324 acres in 320-acre pools, the top allowable for such well shall be decreased or increased in the proportion that the number of acres in the drilling tract bears to a standard unit for the pool.

J. In computing acreage under H and I above, minor fractions of an acre shall not be counted but  $\frac{1}{2}$  acres or more shall count as 1 acre.

K. The provisions of H and I above shall apply only to wells completed after January 1, 1950. Nothing herein contained shall affect in any manner any well completed prior to the effective date of this rule and no adjustments shall be made in the allowable production for any such wells by reason of these rules.

L. In order to prevent waste the Division may, after notice and hearing, fix different spacing requirements and require greater acreage for drilling tracts in any defined oil pool or in any defined gas pool notwithstanding the provisions of B and C above.

M. The Division may approve the pooling or communitization of fractional lots of 20.49 acres or less with another oil proration unit when:

1. The units involved are contiguous;
2. They are part of the same basic lease, carrying the same royalty interest; and
3. The ownership of the units involved is common.

Application to the Division for pooling shall be accompanied by three (3) copies of a certified plat showing the dimensions and acreage involved in the pooling, the ownership of all leases and royalty interests involved, and the location of any proposed wells.



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.

B7896

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 Corporation

8. Well No.

68

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 M : 188 Feet From The South Line and 5 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 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*

*713 955 1146*  
TELEPHONE NO.

(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. 68
Unit Letter M	Section 31	Township 16 South	Range 37 East	County NMPM	Lea
Actual Footage Location of Well: 188 feet from the South line and 5 feet from the West line					
Ground level Elev. 3818.7	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

*Richard J. Newport*

Printed Name

Michael J. Newport

Position

Landman

Company

Date

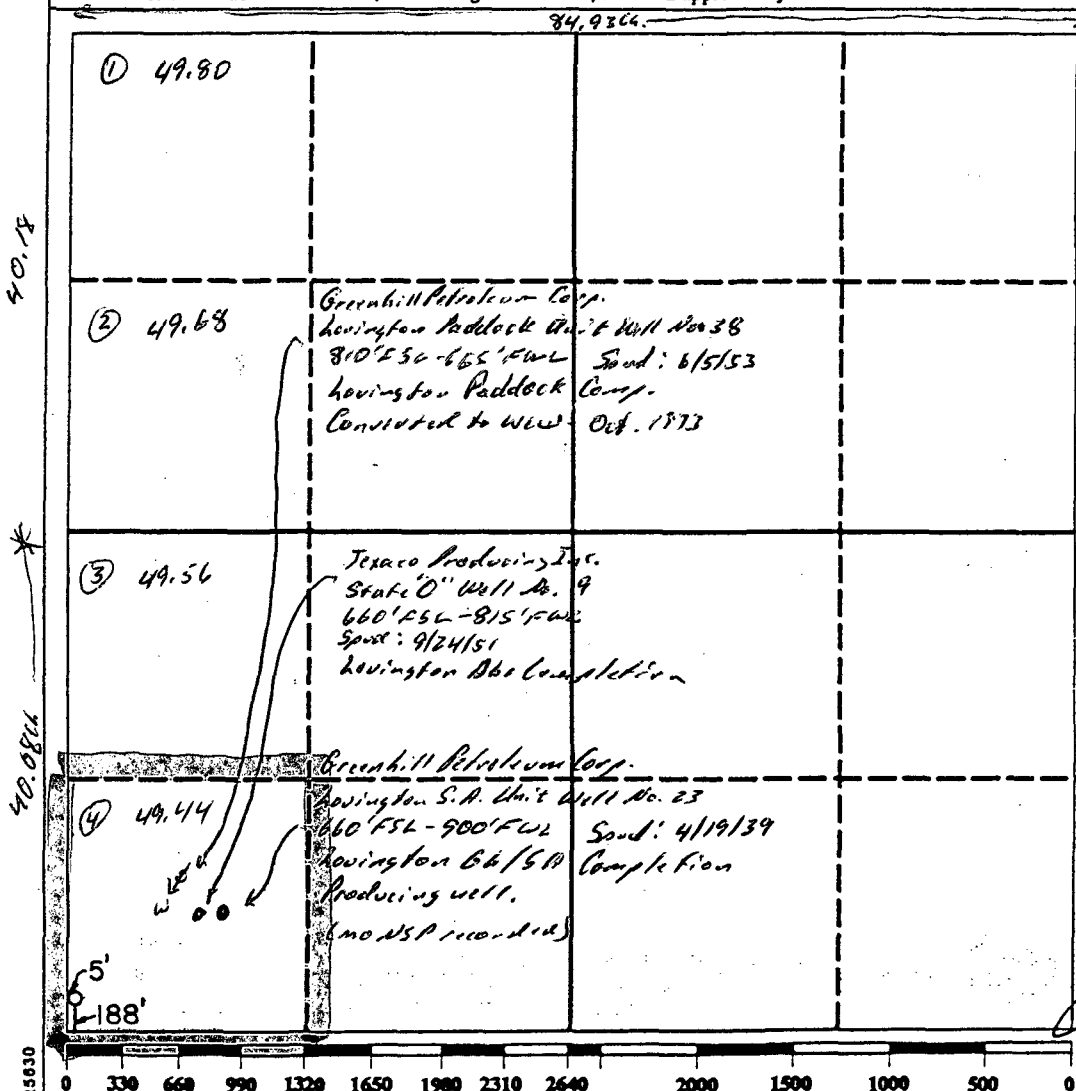
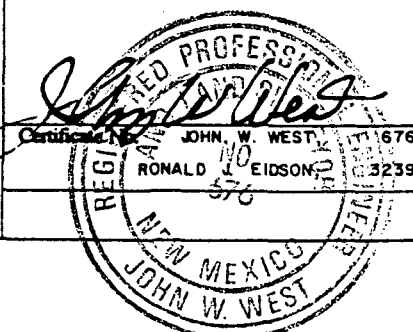
SURVEYOR CERTIFICATION

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



84.6961



**(PLAINS UNIT—Cont'd.)**

event of subsequent joinder by any party, the unit operator shall file with the Commission within 30 days after such action counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.

(4) That this order shall become effective upon the approval of said unit agreement by the Director of the United States Geological Survey, and shall terminate ipso facto upon the termination of said unit agreement. The last unit operator shall notify the Commission in writing of such termination.

(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

**LOVINGTON SAN ANDRES UNIT**  
Lea County, New Mexico

Order No. R-2277, Approving the Lovington San Andres Unit Agreement, Lea County, New Mexico, July 12, 1962.

*Application of Skelly Oil Company for the approval of a unit agreement, Lea County, New Mexico.*

CASE NO. 2593  
Order No. R-2277

**ORDER OF THE COMMISSION**

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on June 28, 1962, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 12th day of July, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

**FINDS:**

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Skelly Oil Company, seeks approval of the Lovington San Andres Unit Agreement embracing 2,470 acres, more or less, in Township 16 and 17 South, Ranges 36 and 37 East, NMPM, Lea County, New Mexico.

(3) That the proposed unit plan will in principle tend to promote the conservation of oil and gas and the prevention of waste.

**IT IS THEREFORE ORDERED:**

(1) That the Lovington San Andres Unit Agreement is hereby approved.

PROVIDED HOWEVER, That notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the New Mexico Oil Conservation Commission by law relative to the supervision and control of operations for exploration and development of any lands committed to said Lovington San Andres Unit Agreement, or relative to the production of oil and gas therefrom.

(2) That the unit area shall be:

**LEA COUNTY, NEW MEXICO**

**TOWNSHIP 16 SOUTH, RANGE 36 EAST, NMPM**

Section 25: S/2 SE/4

Section 35: S/2 SE/4

Section 36: E/2, E/2 NW/4, and SW/4

**TOWNSHIP 16 SOUTH, RANGE 37 EAST, NMPM**

Section 31: Lots 1, 2, 3, 4, SE/4 NW/4, E/2 SW/4, SW/4 NE/4, and SE/4

Section 32: W/2 SW/4

**TOWNSHIP 17 SOUTH, RANGE 36 EAST, NMPM**

Section 1: Lots 1, 2, 3, 4, S/2 N/2, SE/4, N/2 SW/4, and SE/4 SW/4

Section 2: Lots 1, 2, S/2 NE/4, N/2 SE/4

**TOWNSHIP 17 SOUTH, RANGE 37 EAST, NMPM**

Section 5: Lot 4

Section 6: Lots 1, 2, 3, 4, 5, 6, and SE/4 NW/4 containing 2,470 acres, more or less.

(3) That the unit operator shall file with the Commission an executed original or executed counterpart of the unit agreement within 30 days after the effective date thereof. In the event of subsequent joinder by any party, the unit operator shall file with the Commission within 30 days after such action counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.

(4) That this order shall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Mexico, and shall terminate ipso facto upon the termination of said unit agreement. The last unit operator shall notify the Commission in writing of such termination.

(5) That in the event of subsequent joinder by any party owning an interest in Federal lands, said joinder shall become effective only upon the approval of said unit agreement by the Director of the United States Geological Survey.

(6) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

SECTION IV

R. W. Byram & Co., - Feb., 1968

R. W. BYRAM & CO., -A

(LOVINGTON-SAN ANDRES POOL)

- (2) That the application to institute a secondary recovery project in the Lovington-San Andres Pool in comprising portions of and 37 East, NMPM, 1 of water into the San cated in said unit are
- (3) That the wells advanced state of development as "stripper" wells.
- (4) That the water should be governed by

IT IS THEREFORE

- (1) That the applicant is authorized to institute a secondary recovery project in the Lovington-San Andres Pool in comprising portions of and 37 East, NMPM, 1 of water into the San cated in said unit are

Well

Late Oil Co. Graham  
Skelly - State "N"  
Rodman Noel State

Tidewater - State "M"

Skelly - State "O"  
Skelly - State "O"  
Tidewater - State "F"  
Moran Shipp - State  
Skelly - Caylor #1  
Sunray DX - M. Cay  
Amerada - State "L"  
Pan American - State  
Pan American - State  
Mobil - State "R"  
Amerada - State "L"  
Mobil - State "R"  
Pan American and

- (2) That the subject matter of the provisions thereof and expansion of the water
- (3) That jurisdiction of such further entry of such further necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

PROVIDED HOWEVER, That the Kennedy-Johnson A Well No. 4 and the well to be drilled in Unit M shall not be placed on injection prior to September 1, 1962.

- (2) That the waterflood project shall be governed by Rule 701, including the allowable provisions thereof.

PROVIDED HOWEVER, That unless otherwise agreed to by all parties and evidence thereof furnished the Commission, the transfer of allowables within the project area of this waterflood shall be authorized only insofar as the transfer is made between wells having common royalty ownership.

- (3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

LOVINGTON-SAN ANDRES POOL  
(Skelly Unit Waterflood)  
Lea County, New Mexico

Order No. R-2278, Authorizing Skelly Oil Company to Institute a Secondary Recovery Project in the Lovington San Andres Unit Area in the Lovington-San Andres Pool, Lea County, New Mexico, July 12, 1962.

Application of Skelly Oil Company for Approval of a Secondary Recovery Project, Lea County, New Mexico.

CASE NO. 2592  
Order No. R-2278

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on June 28, 1962, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 12th day of July, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

San Andres Pool  
(Waterflood)  
New Mexico

Water Flood Associates, Inc., to  
in the Robinson Pool, Eddy  
County, June 21, 1962.

Water Flood Associates, Inc.,  
Project, Eddy

CASE NO. 2580  
Order No. R-2270

COMMISSION

This cause came on for hearing at  
Santa Fe, New Mexico, before  
Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

On June 28, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

Having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

Water Flood Associates, Inc., is  
in the Robinson Pool, Eddy  
County, June 21, 1962.

Approval of a waterflood project  
injection of water to be through

proposed project area are in and  
should be classified as "stripper"

subject application will neither  
affect relative rights; provided, however,  
parties, the transfer of allowables  
within the project area of this waterflood shall be authorized only insofar as the transfer is made between wells having common royalty ownership.

Water Flood Associates, Inc., is  
in the Robinson Pool, Eddy  
County, June 21, 1962.

No. 4, Unit E;  
No. 5, Unit G;  
No. 1, Unit G;  
No. 3, Unit K; and  
drilled in Units C and M.

Co., - Feb., 1968

Johnson A Well  
hall not be placed

governed by Rule

otherwise agreed to  
the Commission,  
area of this water-  
transfer is made  
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deem necessary.

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pany to Institute  
gton San Andres  
Lea County, NewCASE NO. 2592  
rder No. R-2278n for hearing at  
Fe, New Mexico,  
by the Oil Con-  
after referred to  
Rule 1214 of theCommission, a  
application, the  
the Examiner,  
ises,en as required  
is cause and the(LOVINGTON-SAN ANDRES (SKELLY UNIT  
WATERFLOOD) POOL—Cont'd.)

(2) That the applicant, Skelly Oil Company, seeks permission to institute a secondary recovery project in the Lovington-San Andres Pool in the Lovington San Andres Unit Area comprising portions of Townships 16 and 17 South, Ranges 36 and 37 East, NMPM, Lea County, New Mexico, by the injection of water into the San Andres formation through 17 wells located in said unit area.

(3) That the wells in the proposed project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(4) That the waterflood project should be approved and should be governed by the provisions of Rule 701.

## IT IS THEREFORE ORDERED:

(1) That the applicant, Skelly Oil Company, is hereby authorized to institute a waterflood project in the Lovington-San Andres Pool in the Lovington San Andres Unit Area comprising portions of Townships 16 and 17 South, Ranges 36 and 37 East, NMPM, Lea County, New Mexico, by the injection of water into the San Andres formation through the following-described 17 wells:

Well	Location
Late Oil Co. Graham #1	Unit D, Sec. 31-16S-37E
Skelly - State "N" #1	Unit B, Sec. 36-16S-36E
Rodman Noel State "AE" #2 (to be drilled)	Unit L, Sec. 36-16S-36E
Tidewater - State "M" #2 (to be drilled)	Unit J, Sec. 36-16S-36E
Skelly - State "O" #2	Unit L, Sec. 31-16S-37E
Skelly - State "O" #4	Unit J, Sec. 31-16S-37E
Tidewater - State "T" #2	Unit L, Sec. 32-16S-37E
Moran Shipp - State "A" #1	Unit D, Sec. 5-17S-37E
Skelly - Caylor #1	Unit B, Sec. 6-17S-37E
Sunray DX - M. Caylor #1	Unit D, Sec. 6-17S-37E
Amerada - State "LA" #6	Unit B, Sec. 1-17S-36E
Pan American - State "E" #3	Unit D, Sec. 1-17S-36E
Pan American - State "E" #10	Unit B, Sec. 2-17S-36E
Mobil - State "R" #4	Unit J, Sec. 2-17S-36E
Amerada - State "LA" #7	Unit L, Sec. 1-17S-36E
Mobil - State "R" #1	Unit J, Sec. 1-17S-36E
Pan American and Amerada - Caylor #1	Unit L, Sec. 6-17S-37E

(2) That the subject waterflood project shall be governed by the provisions of Rule 701, including the allowable provisions thereof and including the provisions with respect to expansion of the waterflood project.

(3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

ARTESIA POOL  
(Water Flood Associates Waterflood  
Eddy County, New Mexico)

Order No. R-2272-A, Establishing a Buffer Zone for the Water Flood Associates Waterflood Project A R-2272, Artesia Pool, Eddy County, New Mexico.

Application of Water Flood Associates for the establishment of a Buffer Zone, Eddy County, New Mexico.

## ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on June 28, 1962, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Conservation Commission of New Mexico to act as the "Commission," in accordance with the Commission Rules and Regulations.

NOW, on this 17th day of July, 1962, the Commission, quorum being present, having considered the evidence adduced, and the recommendation of the Examiner, Elvis A. Utz, and being fully advised in the premises, do hereby order as follows:

## FINDS:

(1) That due public notice having been given by law, the Commission has jurisdiction of the subject matter thereof.

(2) That the applicant, Water Flood Associates, operator of the SE/4 NE/4 of Section 21, all in Township 18 South, Eddy County, New Mexico, in its proposed waterflood project was approved by Order No. R-2582 on June 21, 1962.

(3) That the applicant, Water Flood Associates, the establishment of the above-described zone in its proposed waterflood project in wells in said buffer zone to be assigned.

(4) That Graridge Corporation presently operating its waterflood project with unrestricted rates in area immediately adjacent to the subject area.

(5) That in order to protect the public interest, the subject application should be approved.

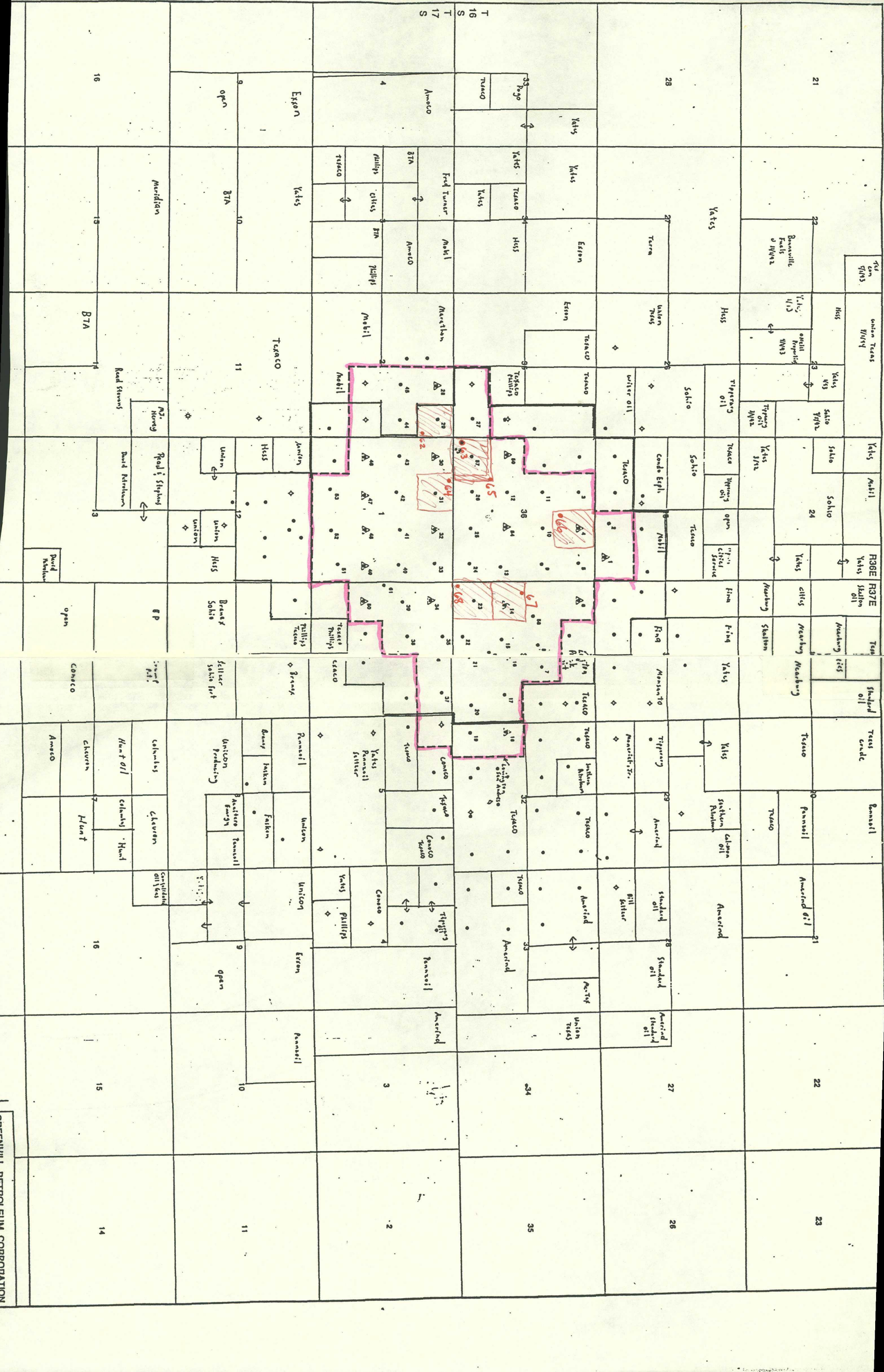
## IT IS THEREFORE ORDERED:

(1) That the SE/4 NE/4 of Section 21, all in Township 18 South, Eddy County, New Mexico, is hereby authorized to operate its waterflood project at unrestricted rates of production.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.









RECEIVED ENERGY AND MINERALS DEPARTMENT

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION  
HOBBS DISTRICT OFFICE

GARREY CARRUTHERS  
GOVERNOR

10-8-90

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 ☒ \_\_\_\_\_  
NSP \_\_\_\_\_  
SWD \_\_\_\_\_  
WFX \_\_\_\_\_  
PMX \_\_\_\_\_

# 63-m 36-16-36  
# 64-B-1-17-36  
# 65-m 36-16-36  
# 66-B 36-16-36

Gentlemen:

I have examined the application for the:

Greenhill Pet. Corp., Lovington SA Unit ~~# 68-m-31-16-37~~  
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton  
Supervisor, District 1

/ed