

GREENHILL PETROLEUM CORPORATION ERVELON DIVISION TEXAS 77077-6841 RECEIVED

TELEPHONE (713) 589-8484 FAX. (713) 589-7892

'92 MAR 27 AM 9 47

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 76 (Lovington San Andres Unit Lea County, New Mexico

Dear Mr. Stogner:

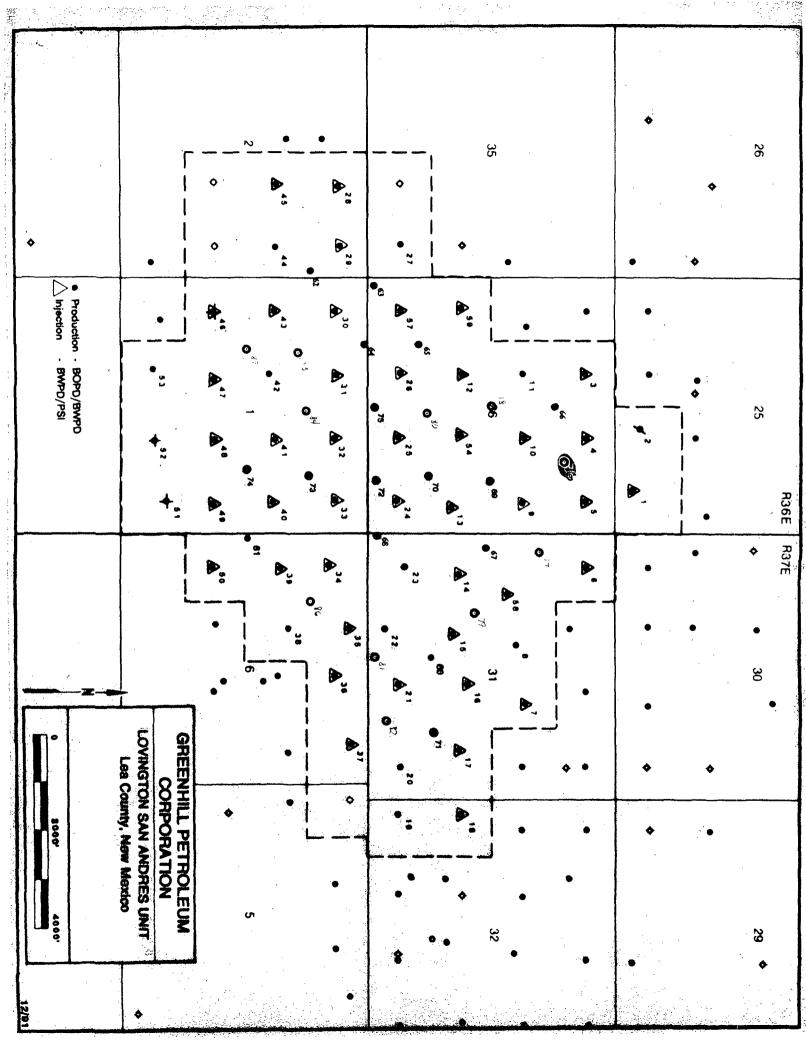
Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 76 in the Lovington San Andres Unit, located in Lea County, New Mexico.

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 The proposed location for Well Number 76 is located in recovery. 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 Land Manager-Permian Basin





GREENHILL PETROLEUM CORPORATION ERV ON DIVISION TEXAS 77077-6841 REC: VED

TELEPHONE (713) 589-8484 FAX. (713) 589-7892

'92 MAH 27 AM 9 47

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 76 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 76 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 76 is located in the interior of the unit and is not competitive with offset wells Information gathered as a result of drilling outside the unit. 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 Land Manager-Permian Basin

Submit to Appropriate District Office State Lease - 6 copies Foe Lease - 5 copies	Energy,	State of New Mex Minerals and Natural Res			Form C-101 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, N	M 88240	CONSERVATIO	3	API NO. ( assigned by OC	D on New Wells)
DISTRICT II P.O. Drawer DD, Artesia,		anta Fe, New Mexico 8	/504-2088	5. Indicate Type of Lesse ST	
DISTRICT III 1000 Rio Brazos Rd., Azu	ec, NM 87410			6. State Oil & Gas Lease B 2411	No.
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN, OF	R PLUG BACK		
1a. Type of Work:		· · · · · · · · · · · · · · · · · · ·		7. Lease Name or Unit Ap	prement Name
DRIL b. Type of Well: OIL OAS WELL X WELL [	L 🔀 RE-ENTER			Lovington Sa	n Andres Unit
2. Name of Operator Greenhill	Petroleum Corp	oration		8. Well No. #76	
3. Address of Operator 11490 Wes	theimer, Ste. 2	00. Houston, Tx.	77077	9. Pool name or Wildcat Lovington Gray	hura San Andra
					Durg San Anure
4. Well Location Unit Letter	B : 1058 Feet Fr	rom The North	Line and 1480		East Line
4. Well Location Unit Letter		rom The North			
4. Well Location Unit Letter	B : 1058 Feet Fr	rom The North	e 36 East	Feet From The	East Line
4. Well Location Unit Letter	B_: <u>1058</u> Feet Feet Feet Feet Feet Feet Feet Fee	rom The North hip 16 South Rang	e 36 East	Feat From The NMPM formation an Andres 16. Approx. 1	East Line
4. Well Location Unit Letter Section 3	B : 1058 Feet Feet Feet Feet Feet Feet Feet Fee	rom The North hip 16 South Rang 10. Proposed Depth 5150' 4. Kind & Status Plug, Bond On File	e 36 East 11. F Sa 15. Drilling Contractor TBD	Fest From The NMPM formation an Andres 16. Appros. 1 4/	East Line Lea County 12 Rotary or C.T. Date Work will start
4. Well Location Unit Letter Section 3	B : 1058 Feet Fr 6 Towns 6 Towns 7 OF, RT, R etc.) 1 PR	rom The North hip 16 South Rang 10. Proposed Depth 5150' 4. Kind & Status Plug, Bond On File OPOSED CASING ANE	e 36 East 11. F Sa 15. Drilling Contractor TBD D CEMENT PROGR	Fest From The NMPM formation an Andres 16. Approx. 1 4/	East Line Lea County 12 Rotary or C.T. Date Work will start 92
4. Well Location Unit Letter Section 3 7 7 7 7 7 8 8 3 8 30	B : 1058 Feet Feet Feet Feet Feet Feet Feet Fee	rom The North hip 16 South Rang 10. Proposed Depth 5150' 4. Kind & Status Plug, Bond On File	e 36 East 11. F Sa 15. Drilling Contractor TBD	Fest From The NMPM formation an Andres 16. Appros. 1 4/	East Line Lea County 12 Rotary or C.T. Date Work will start

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # 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 theyinformation above is true and complete to the best of my knowledge and belief.						
I hereby certify that the information above is true and complete to the best of my knowledge SIGNATURE	Land Manager-Permian Basin DATE 3-23-92					
	(713)					
TYPEOR PRONT NAME Michael J. Newport	TELEPHONE NO. 589-8484					

. .....

DATE

(This space for State Use)

APPROVED BY .....

2

CONDITIONS OF AFFROVAL, IF ANY:

Submit to Appropriate District, Office State Lease - 4 copies Fee Lease - 5 copies State of New Mexico

Energy, Minerals and Natural Resources Department

### OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artenia, NM 68210

P.O. Box 1980, Hobbs, NM 88240

DISTRICT I

DISTRICT III 1000 Rio Brazos Rd., Astec, NM 87410 WELL LOCATION AND ACREAGE DEDICATION PLAT

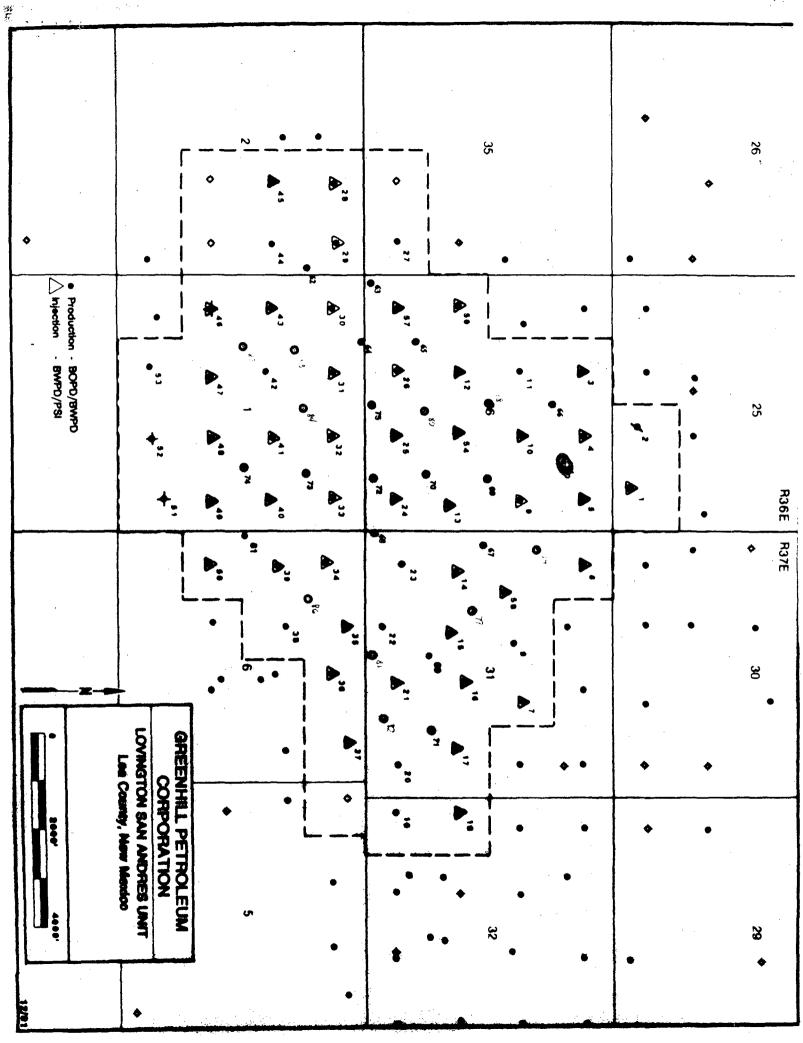
All Distances must be from the outer boundaries of the section Well No. Operator Lease 76 LOVINGTON SAN ANDRES UNIT GREENHILL PETROLEUM CORP. Unit Letter Section Township Range County 36 16 SOUTH 36 EAST LEA в NMPM Actual Footage Location of Well: 1058 NORTH 1480 EAST feet from the feet from the line line and Ground Level Elev. **Producing Formation** Pool Dedicated Acreage: 3830.0' San Andres Lovington Grayburg San Andres 40 Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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.? XX. Yes No No If answer is "yes" type of consolidation unitized If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary. No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. **OPERATOR CERTIFICATION** I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. 96<sup>0'</sup> Signature , rcho 480 Printed Name Michael J. Newport Position LONG=103°18'13" Land Manager-Permian Bas Company LAT= 32°52'58" Greenhill Petroleum Corp. Date 3-23-92 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 supervison, and that the same is true and correct to the best of my knowledge a belief. Date Surveyed MARCH 5, 1992 Signature & Seal of **Professional Surveyor** GED LAND DSON 323 **3**30 660 990 1320 1650 1980 2310 2640 1000 Uŋ. 2000 1500 500 0 E1,

## GREENHILL PETROLEUM CORPORATION BOP PROGRAM FOR LOVINGTON SAN ANDRES UNIT NUMBER 76

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

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

sjs:s 92.222





GREENHILL PETROLEUM CORPORATION CONSERVATION CONSERVATION

RECE VELEPHONE (713) 589-8484 RECE VELAX. (713) 589-7892

'92 MAR 27 AM 9 47

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

Unorthodox Location and Drilling Permit Re: Proposed Well Number 77 Lovington San Andres Unit Lea County, New Mexico

Dear Mr. Stogner:

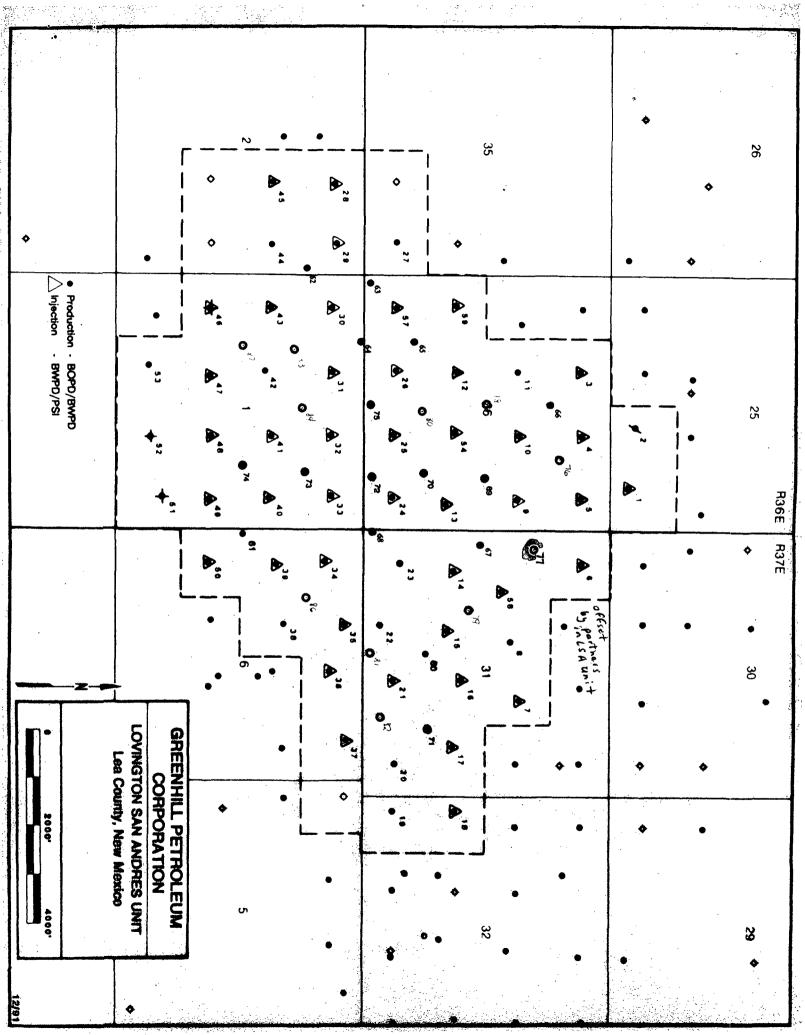
Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 77 in the Lovington San Andres Unit, located in Lea County, New Mexico.

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 The proposed location for Well Number 77 is located in recovery. the interior of the unit and is not competitive with offset wells Information gathered as a result of drilling outside the unit. 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 Land Manager-Permian Basin





## GREENHILL PETROLEUM CORPORATION CONSERVA UNHOUS 13400 WESTHEIMER ROAD, SUITE 200

REC: / EUELEPHONE (713) 589-8484

'92 MAH 27 AM 9 47

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 77 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 77 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 77 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 Land Manager-Permian Basin

•.					
Submit to Appropriate District Office State Lease - 6 copies For Lease - 5 copies		State of New Me Minerals and Natural Re	esources Department		Form C·101 Revised 1·1-89
DISTRICT I P.O. Box 1980, Hobbs, NI	M 88240	CONSERVATIO P.O. Box 208	18	API NO. ( assigned by OC	D on New Wells)
DISTRICT II P.O. Drawer DD, Artesia,		Santa Fe, New Mexico	87304-2088	5. Indicate Type of Lease ST	
DISTRICT III 1000 Rio Brazos Rd., Azte	sc, NM 87410			6. State Oil & Gas Lease	No.
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN, C	R PLUG BACK		
1a. Type of Work:				7. Lease Name or Unit A	preement Name
b. Type of Well:			PLUG BACK	Lovington Sam	n Andres Unit
OL OAS WELL	OTHER	SINGLE ZONE		ב   ב	
2. Name of Operator				8. Well No.	
	Petroleum Corp	oration		#77	
3. Address of Operator		000 W -		9. Pool name or Wildcat	
	theimer, Suite	200; Houston, Tx	. //0//	Lovington Grayb	urg San Andres
4. Well Location Unit Letter	<u>E</u> : <u>1582</u> Feet F	rom The North	Line and3	81 Feet From The	West Line
Section 3	1 Towns	tup 16 South Ram	e 37 East	NMPM	Lea, County
		10. Proposed Depth 5150*		.Formation San Andres	12 Roury or C.T.
13. Elevations (Show wheth	er DF, RT, GR) elc.)	4. Kind & Status Plug. Bond	15. Drilling Contract		Date Work will start
3830		On File	TBD	4/9	2
17.		OPOSED CASING AN	D CEMENT PROC		· · · ·
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1	8 5/8	24	1300 '	550	Surface
7 7/8	5 2	15.5	5150'	1000	Surface
L					L

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR FLUG BACE, GIVE DATA ON PRESENT PRODUCTIVE 20NE AND PROPOSED NEW PRODUCTIVE 20NE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby cartify that the information above is true and complete to the best of my knowledge and belief.	2 22 02
SKONATURE Archaef 1/. Grang H mus Land Manager-Permian Basin	(713)
TYPE OR PRINT NAME Michael J. Newport	TELEPHONE NO. 589-8484

. 11TLE .

DATE .

(This space for State Use)

APPROVED BY \_\_\_\_

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

.

t.

OIL CONSERVATION DIVISION P.O. Box 2088

DISTRICT 1 P.O. Box 1960, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artonia, NM 86210

Santa Fe, New Mexico 87504-2088

### WELL LOCATION AND ACREAGE DEDICATION PLAT DISTRICT III

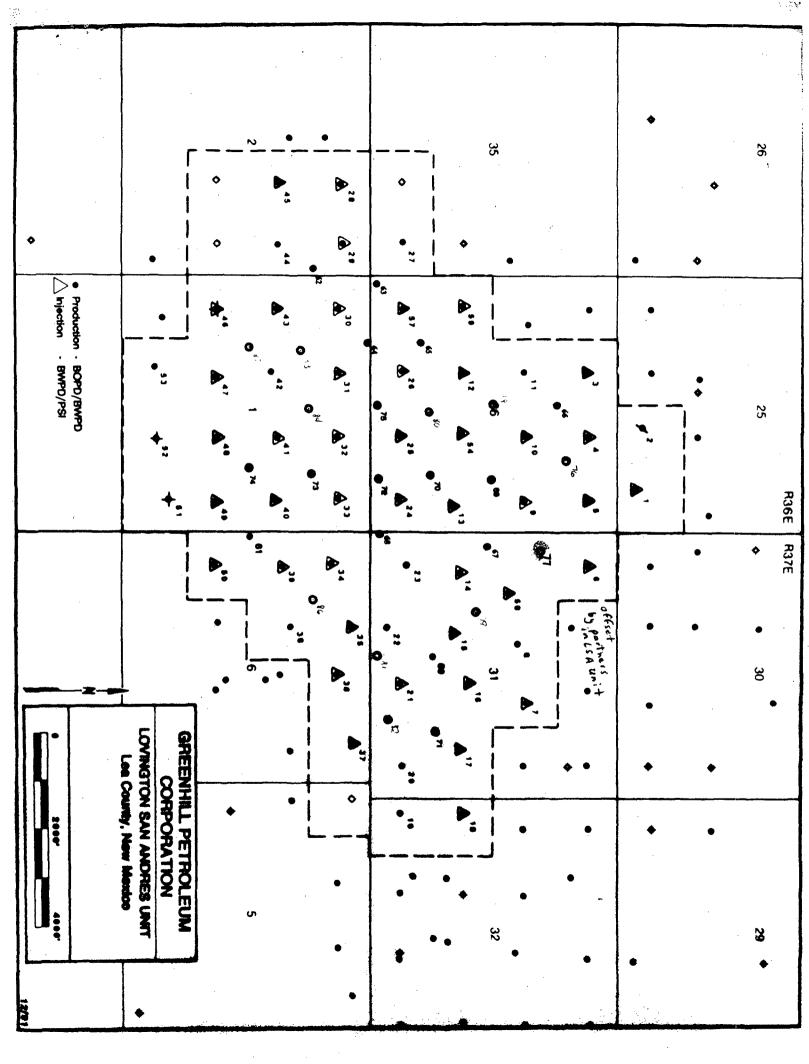
perator					Lease				Well No.
	nhil	1 Petrol	eum Corp	ł	Lov	vington S	an Andre	s	77
ait Letter	Secti		Township		Rango			County	
Е		31	16 Sou	ıth	37 1	East	NMPM		Lea
tual Footage Los	cation	of Well:			····=···				
1582		the nort	h hne ar	. 38	1		feet from	the west	line
ound Level Kley	v.	Producing To	ormation	<u> </u>	Pool				Dedicated Acreage:
830.9'	k	an Andre	es	ļ	Lovingto	n Gravbu	rg San A	ndres	40 🔺
			the subject we	il by colored a					
	-		•	-	•		-		ing interest and royalty).
unitization, i			P -					s been const	lidated by communitizat
AA Yes		No No	If answer is	s "yes" type of	consolidation		Ized		
		of owners a	nd tract descrip	viions which h	ave actually b	een oonsolide	ted. (Use re-	verse side of	
his form neces	HANY						()		
			o the well unit and unit, elimin						mitization, forced-poo
				- day waves the			-/	1	TOR CERTIFICATIO
ł		1			1			UFERA	IUN CERTIFICATIO
		J			· •			(	roby cordify the the inform
· ·		1 1	$\sim$		$\sim$ 1				rein is frue and complete : neulador and balls!
		i C			· ≻ i				naunage que sansy.
בי		5.		<b>96</b>				Signature	1 1 1
1582			13931 -1136	į	<u>N</u>			Ch .:	La J Mun A
Ī			U.S.	٠.	)I			Printed Na	man property
		<b>  ( ° ●</b> ∖,		<b>o</b> ,'	()		. 1		J. Newport
		- +4	-136'	1 ·	+			Position	newpore
1				4.00	;,				
381' 0 <del>4</del> See Ins			· 1	D. L. OC.	- C			Company	nager-Permian B
3 <del>66</del> m3	C/	! \			Y Y			<b>-</b> -	
ong=103°	17'5	["   `		et 🏹 te	/		1	Greenhi	<u>11 Petroleum Co</u>
Lat= 32°				``	、 <u>1</u> 1			3-23-92	
					58				
		i		$\sim$	$\sim$			SURVEY	OR CERTIFICATION
_									
		1							ify that the well leastion a
	1	1		[	1		ĺ	on this plat	was plotted from floid not
					. 1				w man by me or wide and that the sums is tru
			·	· ·	l			correct to	
		1			ļ			ballef.	
		i i			, 1			Date Surve	Ted
					1				ary 19, 1992
		-		1	l			Signature	
		-+	• —	<b>i</b> ╋╺╼╺── ~	+				al Surveyor
		1	-	[					ATTRACTOR DE LA COMPACTICA DE LA COMPACT
		<b>.</b>			l			, Ind	SO LAND Stre
		i			I			1 3.8	Savessee oun linter
					1			- new	
							1	A A	1111 2 -12=
		1			l			Kinto	ANO Man
		1			1			Cuttificete	Not Jone west
		1			i			1 3	My ROMALS & EDSON
								4.40	A Star D. JOHES

## GREENHILL PETROLEUM CORPORATION BOP PROGRAM FOR LOVINGTON SAN ANDRES UNIT NUMBER 77

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

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

sjs:s 92.222



GREENHILL PETROLEUM CORPORATION SERVE 10N DIVISUISTON, TEXAS 77077-6841 RECEIVED

TELEPHONE (713) 589-8484 FAX. (713) 589-7892

'92 MAR 27 AM 9 47

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

Unorthodox Location and Drilling Permit Re: Proposed Well Number 78 Lovington San Andres Unit Lea County, New Mexico

Dear Mr. Stogner:

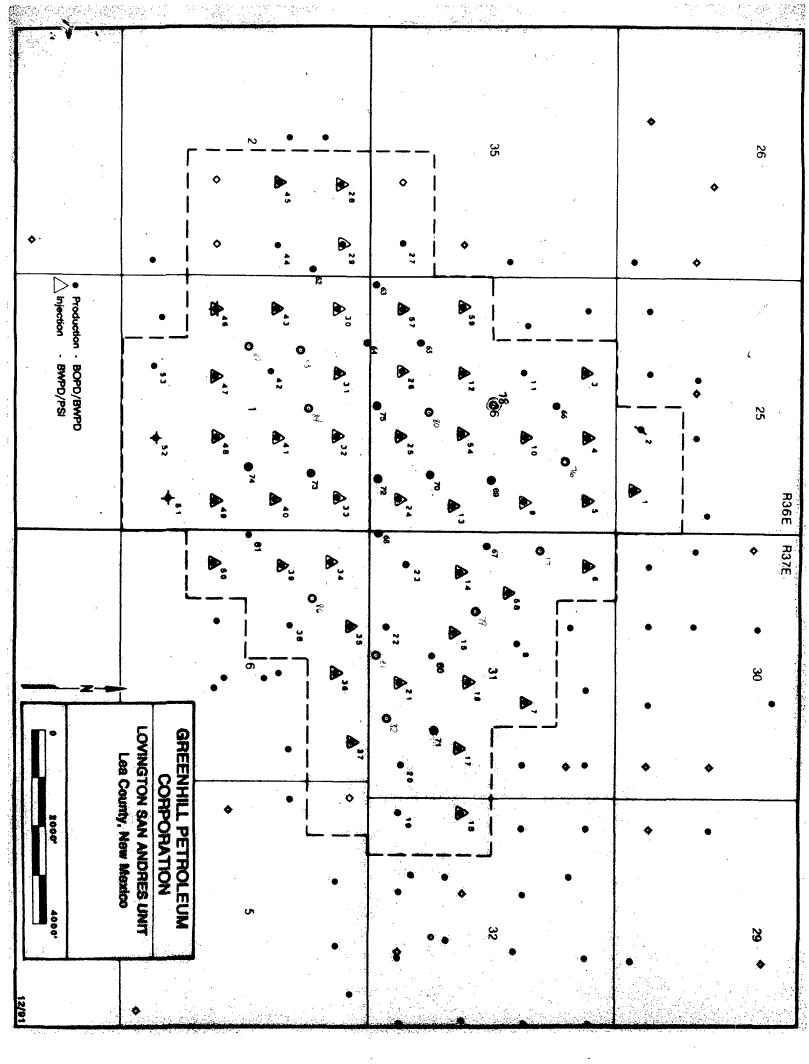
Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 78 in the Lovington San Andres Unit, located in Lea County, New Mexico.

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 78 is located in the interior of the unit and is not competitive with offset wells Information gathered as a result of drilling outside the unit. 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 Land Manager-Permian Basin





## GREENHILL PETROLEUM CORPORATION SERVICEN DIVINGUESTNEIMER ROAD, SUITE 200 REC: VED

FAX. (713) 589-7892

'92 MAY 27 AM 9 47

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 78 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 78 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 78 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 Land Manager-Permian Basin

Submit to Appropriate District Office State Lease - 6 copies For Lease - 5 copies		State of New Me Minerals and Natural Re	sources Department		Form C-101 Revised 1-1-89	
DISTRICT I P.O. Bax 1980, Hobbs, NN	M 88240	CONSERVATIO P.O. Box 208 Janta Fe, New Mexico	8	API NO. ( assigned by OC		
DISTRICT II P.O. Drawer DD, Artesia, I	NM 88210			5. Indicate Type of Lease ST		
DISTRICT III 1000 Rio Brazos Rd., Azie	x, NM 87410			6. State Oil & Gas Lease B 2894	No.	
APPLICAT	TION FOR PERMIT	TO DRILL, DEEPEN, C	R PLUG BACK			
1a. Type of Work:				7. Lease Name or Unit A	greement Name	
DRILL	L 🔀 RE-ENTER	DEEPEN	PLUG BACK	Lovington San	Andres Unit	
b. Type of Weil: OIL OAS WELL X WELL	OTHER	SINOLE ZONE	ZONE			
2. Name of Operator		· · · · · · · · · · · · · · · · · · ·		8. Well No.		
Greenhi	11 Petroleum Co	rporation		#78		
3. Address of Operator		000		9. Pool name or Wildcat		
	lestheimer, Suit	e 200; Houston,	Tx. //0//	Lovington Gray	ourg San Andres	
4. Well Location Unit Letter	G : <u>2575</u> Feet Fr	rom The North	Line and263	) Feet From The	West Line	
Section 3	6 Towns	hip 16 South Ran	ge 36 East p	MPM	Lea, County	
		10. Proposed Depth 5150		ormation	12 Rotary or C.T.	
13. Elevations (Show whether		4. Kind & Status Plug. Bond	15. Drilling Contractor	San Andres	Date Work will start	
3833		On File	TBD	The Applot	4/92	
17.	PR	OPOSED CASING AN		AM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP	
12 <del>]</del>	8 5/8	24	1300 '	550	Surface	
7 7/8	5 1	15.5	5150 '	1000	Surface	
			· · · · · · · · · · · · · · · · · · ·		·	

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OR FLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, # ANY.

I hereby cartify that the information above is grue and complete to the best of my knowledge and belief.	
SIGNATURE Richard Mungal muland Manager-Permian Basin	DATE 3-23-92
	(713)
TYPE OR MENT NAME Michael J. Newport	TELEPHONE NO. 589-8484

\_ muz .

.

DATE

(This space for State Use)

APPROVED BY .....

•

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate District Office State Jease - 4 copies Fee Lease - 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

•

## OIL CONSERVATION DIVISION

P.O. Box 2088

.

Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD. Artenia, NM 86210

DISTRICT\_1 P.O. Box 1980, Hobbs, NM 88240

## WELL LOCATION AND ACREAGE DEDICATION PLAT

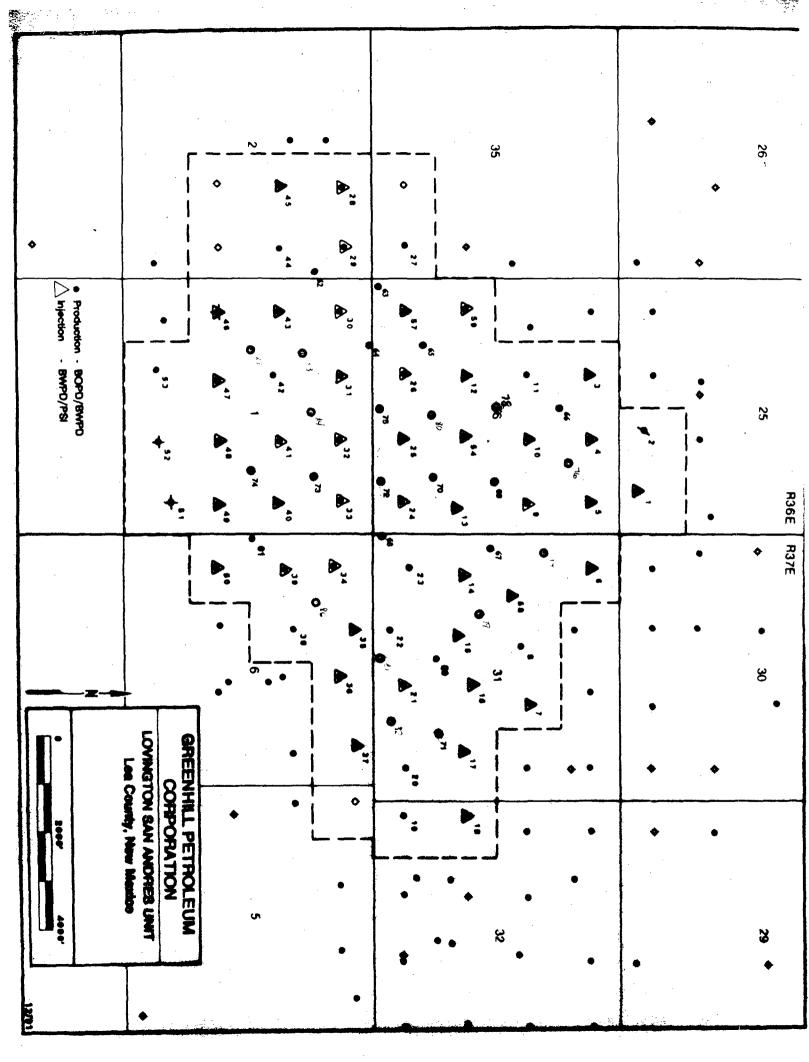
00 Rio Brazos R				ices must be from					T	·····
Gr	aarhi	11 Date	oleum Corp.	Loss	-	ton San	Andres	2	<b>Well No.</b> 78	
t Letter	Sectio		Township	Rans			Andrea	County		
G		36	16 South	-	36 East		NMPM		Lea	
ual Footage Lo	cation (									
		unorth		26			feet from	the west		
ound Lovel Ele		roducing Fo		Pool		-	_ · .		Dedicated Acr	bage:
833.3'	L	San Andr			vington G				40	Acres
lf more than If more than	n one le n one le	ase is dedic	the subject well by ated to the well, or rent ownership is d	atline each and	identify the or	mership the	reof (both	as to work	-	
unitization.	force-p	ooling, etc.?		es type of con	- Master	unit	ized			
And a later of the	- <b>7</b> N-A .		nd tract description							
is form neces	eary		-							
			the well unit a						initisation, for	ood-pooling,
herwise) or 1	inti e	hon-standa	rd unit, eliminatio	ng such interest	, has been a	pproved by	the Divis			
		.	4		<u> </u>			OPERA	TOR CERTIF	ICATION
		1			1				roby certify the t	
		1						boot of my h	rain is true and : nowledge and balls	compieto to the A
		1							•	
					<b>I</b> .			Signature	111	1
		1	]]		1			Arel	al (hung)	9
		- È	575		Í			Printed Na		
		- <del> </del>			+			Michael Position	J. Newpor	.t
		Ì	-	Long=103°1					Docor-Down	ton Paci
		i ·		Lat= 32°5	2'43'			Company	nager-Perm	Lan Dasi
		I			i			Greenhi	11 Petrole	um Corpo
		1	"•	<b>10</b>				Date 3-23-92		
		1		89 <sup>0</sup> /	1				- <u></u>	
		1			1			SURVE	YOR CERTIFI	CATION
<b>9</b>		- <sup>1</sup> 2630'-	<u>_</u>					JOHIL		
				<u>\</u>				-	ky that the well	
			82°		1			an the plat actual surve	was plotted from 10 made by me	or under my
		I I	1	<b>`</b> ``	1			supervises,	and that the sum	a is true and
			12.	`● 54			- 11	correct to bolks.	the best of my	Anorthic dip: and
		1						Date Surv		
		I	-	•					ry 20, 199	2
		1						Signature		
·		-+	+		• <del>+</del>				al Surveyor	
	•	l ·							ANITHING.	
		1 .			1			.11	TED LAND"	11,
		_ <b>I</b>			1		· ·	July 2	(	154
		l						ନ ଛି	in no is	
		1	1		1			Kenti	NA Tan	In a
		Ì			ĺ			Certificate	No. John w	WEST, - 676
		_i			i				RONALD	EDSON
							1	/	N'EARY &	JONES: 7977
			──┤ <b>──</b>						A GATT L	Service: 18/1

## GREENHILL PETROLEUM CORPORATION BOP PROGRAM FOR LOVINGTON SAN ANDRES UNIT NUMBER 78

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

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

sj**s:s** 92.222





## GREENHILL PETROLEUM CORPORATION ON DIVISION HOUSTON, TEXAS 77077-6841 RECEIVED

11490 WESTHEIMER ROAD, SUITE 200 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

'92 MAH 27 AM 9 47

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

Unorthodox Location and Drilling Permit Re: Proposed Well Number 79 Lovington San Andres Unit Lea County, New Mexico

Dear Mr. Stogner:

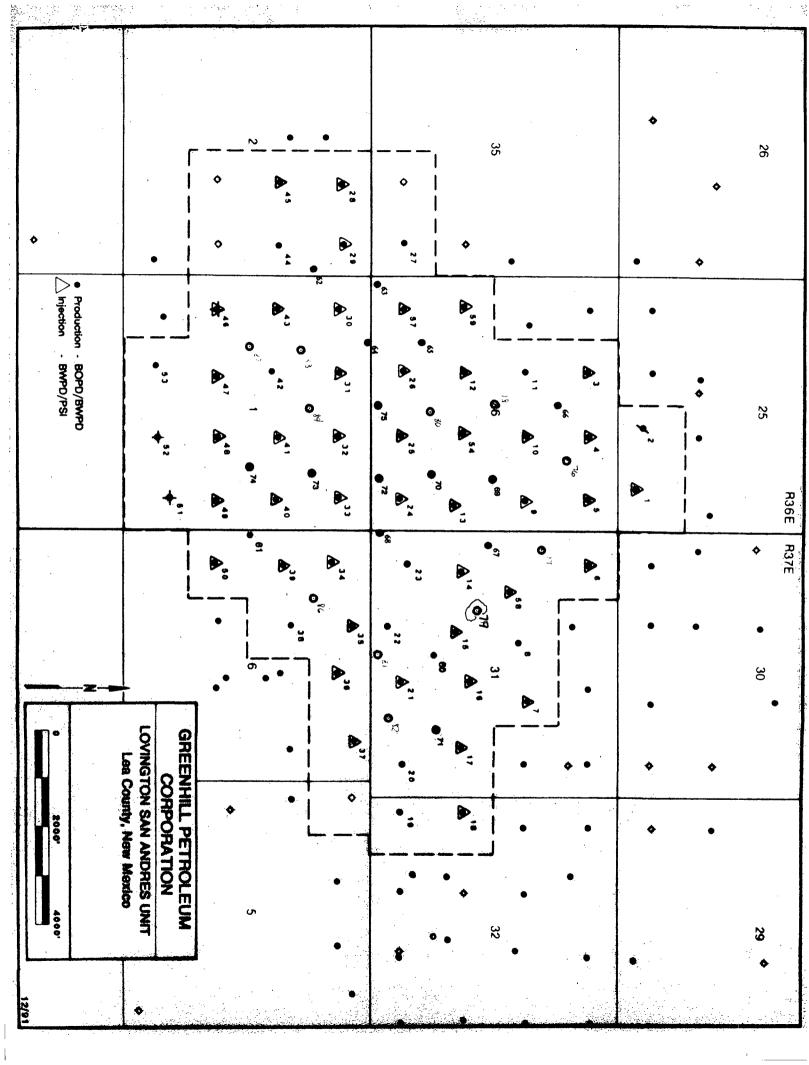
Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 79 in the Lovington San Andres Unit, located in Lea County, New Mexico.

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 The proposed location for Well Number 79 is located in recovery. 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 Land Manager-Permian Basin





GREENHILL PETROLEUM CORPORATION DIVISION

REG: VED

11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

192 MAH 27 AM 9 47

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 79 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 79 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 79 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 Land Manager-Permian Basin

• 🖗 • •					
Submit to Appropriate District Office State Lease - 6 copies For Lease - 5 copies		State of New Me Minerals and Natural Re	sources Department		Forma C-101 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbe, NI	M 88240	CONSERVATIO P.O. Box 208	8	API NO. ( assigned by OC	D on New Wells)
DISTRICT II P.O. Drawer DD, Artesia,		Santa Fe, New Mexico	87304-2088	5. Indicate Type of Lease S	
DISTRICT III 1000 Rio Brazos Rd., Azto	ec, NM 87410			6. State Oil & Gas Lease B 1505	
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN, C	R PLUG BACK	<i>\////////////////////////////////////</i>	
1a. Type of Work:		· · · · · · · · · · · · · · · · · · ·		7. Lease Name or Unit A	greement Name
DRIL b. Type of Well:	L 🔀 RE-ENTER	DEEPEN	PLUG BACK	Lovington San	Andres Unit
OL OAS WELL	OTHER	SINGLE ZONE			
2. Name of Operator		<u> </u>	·· <b>···</b> ·······························	8. Well No.	
<u>Greenhill</u>	Petroleum Corpo	ration		<u>#79</u>	
3. Address of Operator				9. Pool name or Wildcat	
<u>11490 West</u>	<u>heimer, Suite 2</u>	200; Houston, Tx.	77077	Lovington Gray	ourg San Andres
4. Well Location Unit Letter	<u>K</u> : <u>2225</u> Feet F	rom The South	Line and16(	)5 Feet From The	West Line
Section 3	1 Towns	tup 16 South Ran	e 37 East	NMPM	Lea, County
		10. Proposed Depth 5150		Formation San Andres	12 (Rotary) or C.T.
13. Elevations (Show wheth		4. Kind & Status Plug, Bond	15. Drilling Contracto		Date Work will start
3818		On File	TBD		4/92
17.	PR	OPOSED CASING AN			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12	8 5/8	24	1300 '	550	Surface
7 7/8	5 1	15.5	<u>5150</u> '	1000	Surface
L	I				

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OR FLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, # ANY.

	prmation above is true and complete to the best of	my knowledge and belief.
	chard Margh	Land Manager-Permian Basin DATE 3-23-92
•		(713)
TYPE OR FRINT NAME	Michael J. Newport	TELEPHONE NO. 589-8484
······································		

. .....

-

-

\_ DATE \_

(This space for State Use)

APPROVED BY\_

CONDITIONS OF AFTROVAL, IF ANY:

Submit to Appropriate Districty 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 II P.O. Drawer DD, Artesia, NM 88210

DISTRICT\_I P.O. Box 1980, Hobbs, NM 88240

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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

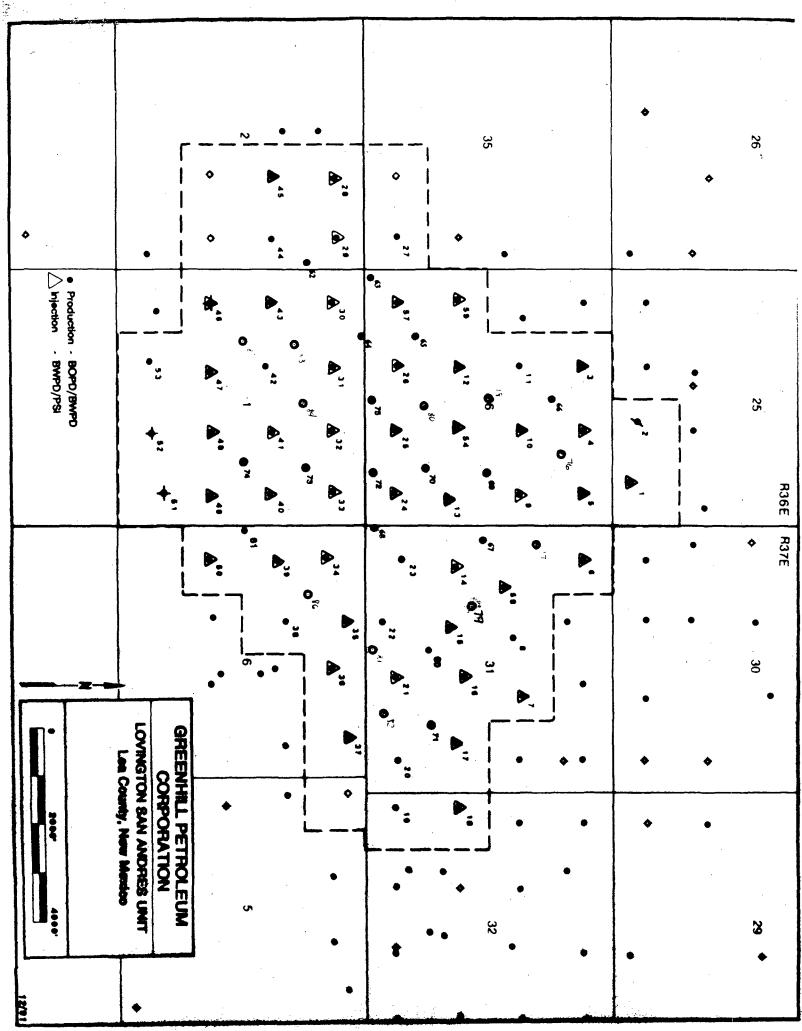
Operator GR	EENHILL PETROI	EUM CORP.	Lease LO	INGTON SAN A	NDRES L	JNIT	Well No. 79
Unit Letter	Section	Township	Range			County	
K	31	16 SOUTH		37 EAST	NMPM		LEA
Actual Footage Loc			1			J	· · ·
	t from the SOL		1605		feet from	the WES	11110
Ground Level Elev. 3818.3'	. Producing For San And		Pool Lovingt	on Grayburg	San Ar	dres	Dedicated Acreage: 40
		the subject well by colored p			_		Acres
	-	ted to the well, outline each					g interest and royalty).
unitization, fo	one lease of difference-pooling, etc.?	ent ownership is dedicated to	-	unit		been consol	idated by communitization,
x Yes	No No	If answer is "yes" type o					
If answer is "no this form necess		d tract descriptions which h	ave actually	been consolidated	. (Use reve	rse side of	
No allowable w	ill be assigned to	the well unit all interest d unit, eliminating such in					nitization, forced-pooling.
		· · · · · · · · · · · · · · · · · · ·		r	1	OPERAT	TOR CERTIFICATION
	İ			•     		contained her	eby certify the the information ein is true and complete to the owledge and belief.
				           	][	Position Land Mar Company Greenhi	J. Newport nager-Permian Basi 11 Petroleum Corp.
	<sup>#58</sup> €	\$ #B					OR CERTIFICATION
						on this plat a actual survey supervison, a correct to t beliaf.	vas plotied from field notes of s made by me or under my nd that the same is true and he best of my knowledge and
LONG=103° LAT= 32°5		<b>#</b> 15				Date Survey FEBF Signature 4 Professiona Cortificate Professiona	RUARY 20, 1992 • Seal of
0 330 660	990 1320 1650	1980 2310 2640 20	00 1500	1000 500		111	ALD J. Elvent

## GREENHILL PETROLEUM CORPORATION BOP PROGRAM FOR LOVINGTON SAN ANDRES UNIT NUMBER 79

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

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

sjs:s 92.222





# GREENHILL PETROLEUM CORPORATION

11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

'92 MAR 27 AM 9 47

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:

Re:

Mr. Mike Stogner

Unorthodox Location and Drilling Permit Proposed Well Number 80 Lovington San Andres Unit Lea County, New Mexico

Dear Mr. Stogner:

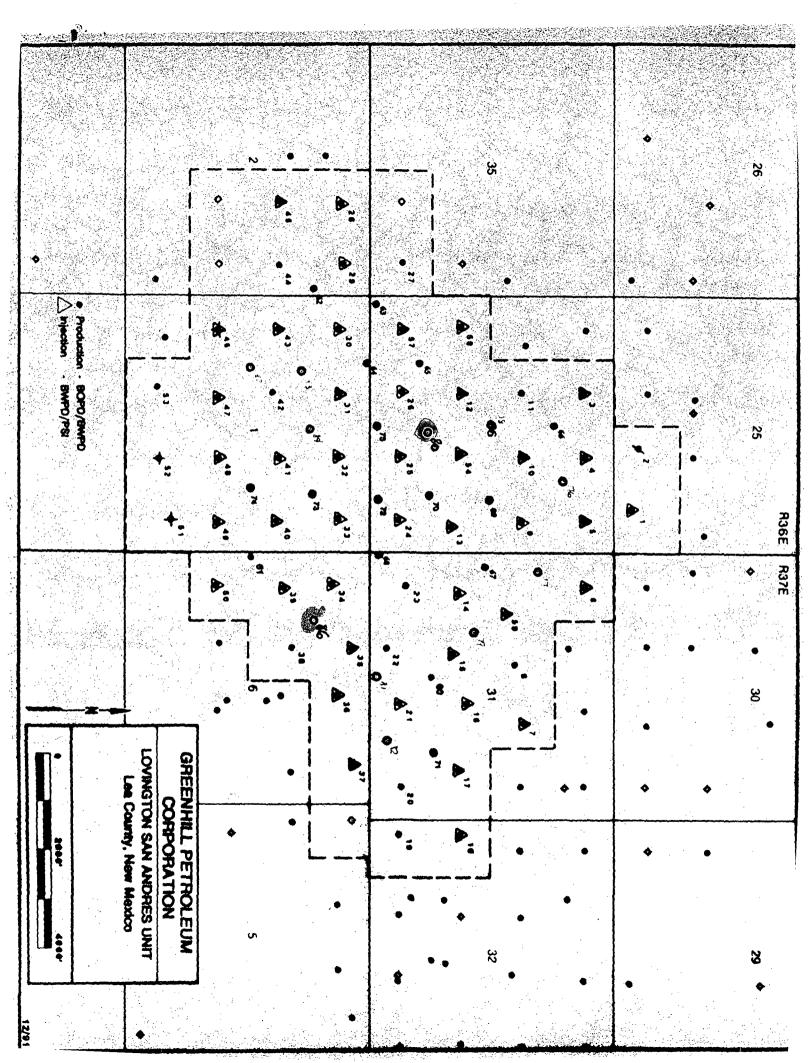
Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 80 in the Lovington San Andres Unit, located in Lea County, New Mexico.

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 Land Manager-Permian Basin



Submit to Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies		State of New Me Minerals and Natural Re	sources Department			 Form C·101 Revised 1·1-89		
DISTRICT I P.O. Box 1980, Hobbs, NM 88240 OIL CONSERVATION DIVISION P.O. Box 2088 Sente Fe New Marring 97504 2088								
DISTRICT II P.O. Drawer DD, Artesia, NM 88210 STATE The state of Lease State F								
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 B 7845								
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN, C	R PLUG BACK	<i>\//////</i>				
1a. Type of Work:		- <u></u>		7. Lease Na	ume or Unit Ag	reement Name		
b. Type of Well:	DRILL X RE-ENTER DEEPEN PLUG BACK Lovington San Andres Unit							
well X     well OTHER     ZONE     ZONE       2. Name of Operator     8. Well No.								
	.11 Petroleum Co	#80	) e or Wildcat	,,				
3. Address of Operator 11490 We	estheimer, Suit	1		ourg San Andres				
4. Well Location Unit Letter(	0: <u>1225</u> Feet F	rom The <u>South</u>	Line and248	<u>}5</u> <b>Feet</b>	From The	East Line		
Section 3	6 Town	ship 16 South Rar	<b>ge</b> 36 East	NMPM		Lea, County		
		10. Proposed Depth		. Formation		12. (Rolary) or C.T.		
		5150 '	**	San Andr	۵G			
13. Elevations (Show wheth	er DF. RT. GR) etc.)	14. Kind & Status Plug. Bond	15. Drilling Contract			Date Work will start		
3823	9	On File	TBD			/92		
17.	PF		D CEMENT PROC	BRAM		•		
SIZE OF HOLE	SIZE OF CASING							
12 4	8 5/8	24	1300 '			EST. TOP Surface		
7 7/8	5 1	15.5	5150'	1000 Surf				
L	L							

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OR FLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, # ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. SKONATURE <u>Finite And Manager-Permian Basin</u> DATE <u>3-23-92</u> (713) TYPE OR FRONT NAME Michael J. Newport.	I hereby certify that the inf	ormation above is true and complete to the best of my know	powindge and belief.	· · · · · ·	
(713)	SIONATURE	char Muna H	Land	Manager-Permian Basin Date	3-23-92
TYPE OR PRINT NAME Michael J. NewDort TELEPHONE NO. 589-8484					(713)
	TYPE OR PRINT NAME	Michael J. Newport		TELEPH	one no. 589-8484

. 111.2 -

DATE .

(This space for State Use)

APPROVED BY \_\_

CONDITIONS OF AFPROVAL, IF ANY:

## GREENHILL PETROLEUM CORPORATION

11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

'92 MAR 27 AM 9 47

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 Land Manager-Permian Basin

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

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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All Distances must be from the outer boundaries of the section

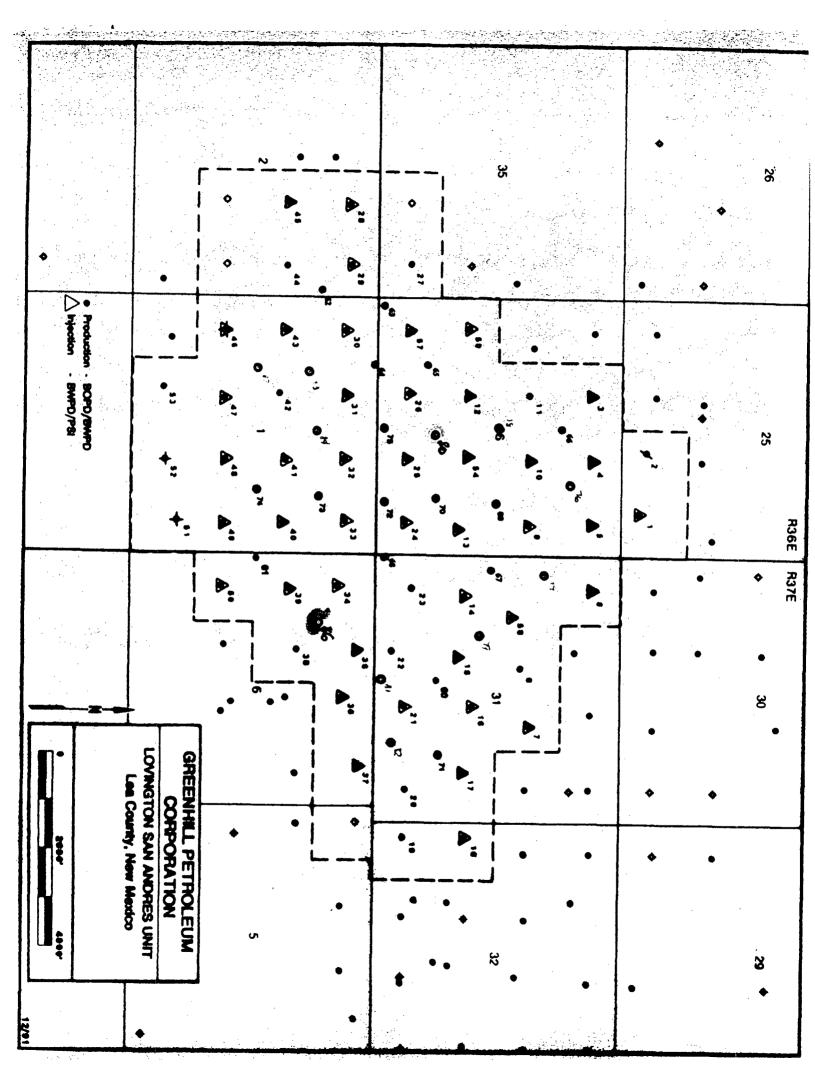
r		, iii pic							
		LEUM CORP.			INGTON SAN	ANDRES L		Well No.	80
Unit Letter Sec		Township		Range			County		
0	36	16 SC	UTH		36 EAST	NMPM		LEA	
Actual Footage Location				_	-				
1225 feet from				2485	<u>.                                    </u>	feet from	the EAS		······
Ground Level Klev.	Producing For	mation		Pool				Dedicated A	Acreage:
3823.4'	San Andr	es		Loving	<u>ton Graybu</u>	rg San A	ndres	40	Acres
1. Outline the acreag	e dedicated to	the subject well	by colored pe	ncil or hacl	ure marks on t	he plat below.	•		
2. If more than one	lease is dedica	ted to the well,	outline each	and identify	the ownership	thereof (both	as to workin	g interest a	nd royalty).
3. If more than one unitization, force-		ent ownership is	dedicated to	the well, h	we the interest	of all owners	been consol	idated by co	mmunitization,
XXX Yes	No No	If answer is	"yes" type of	consolidati	on <u>uniti</u>	zed			
If answer is "no" lis	t of owners an	d tract descript	ions which he	we actually	been consolidat	ed. (Use reve	arse side of		
this form necessary. No allowable will b	e assigned to	the well unit	all interests	have been	consolidated	by commun	itization. m	utization. f	orced-pooling
otherwise) or until									
			:			]	OPERAT	TOR CERT	IFICATION
									e the information
	1 - 1				J			ein is true an owiedge and b	d complete to the ellet.
	ł				1				
	İ				i '		Signature7	, ,	1
	i				l		Ch.	he have	tt -
	1				1 · · ·		Printed Nan	ne /	
					1		Michael	J. Newp	ort
F	-+				┟╺┈╶╴─╴		Position	A	
	1					<b>.</b>	Land Mar	ager-Pe	rmian Basin
· .	1				1		Company		
	i						Greenhil	L Petro	leum Corp.
	i					[	Date		
							3-23-93		
	l I				к. 		SURVEY	OR CERTI	FICATION
	j					11	-	-	Il location shown
	₹.,					11	•	vas plotted fr • made by 1	om field notes of ne or under my
	l .						+	+	some is true and
	l.						correct to t	he best of n	ny knowledge and
	<b> </b> ₽1	2 🗨	•	#54	ľ		beliaf.		
	1	<b>`</b> \	SSI /	<b>1</b>			Date Survey		
	i	104,	S,				FEBI	RUARY 20,	1992
L					L = =		Signature 4		
	LONG=1	03°18'25"	X-		2485'		Professions	1 Surveyor	
		32.52.28						Marine L	AND
		1048	1.2	l			ć	I CHE	See SUST
		-10	ι \ 6				Ĩ	C. P	
	1		÷ Š	<b>1</b> 05			n El	¥n 1 N9	
	1	#26	<b>i</b>	25			Nasi	132	32 // 1 31
	<b>i</b> .			1			Cartificath	No 20 JOLA	W. WEST, GTO
·			¥				Certificate	RONALDA	FEIDEON 3239
							/	TON'S SAM	1. 05HBS 1 7977
0 330 660 990	1320 1650	1980 2310 26	LO 200	0 1500	1000 50			Training State	<b>F</b> 18.5

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

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

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

sjs:s 92.222





## GREENHILL PETROLEUM CORPORATION

11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

'92 MAR 27 AM 9 47

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 81 Lovington San Andres Unit Lea County, New Mexico

Dear Mr. Stogner:

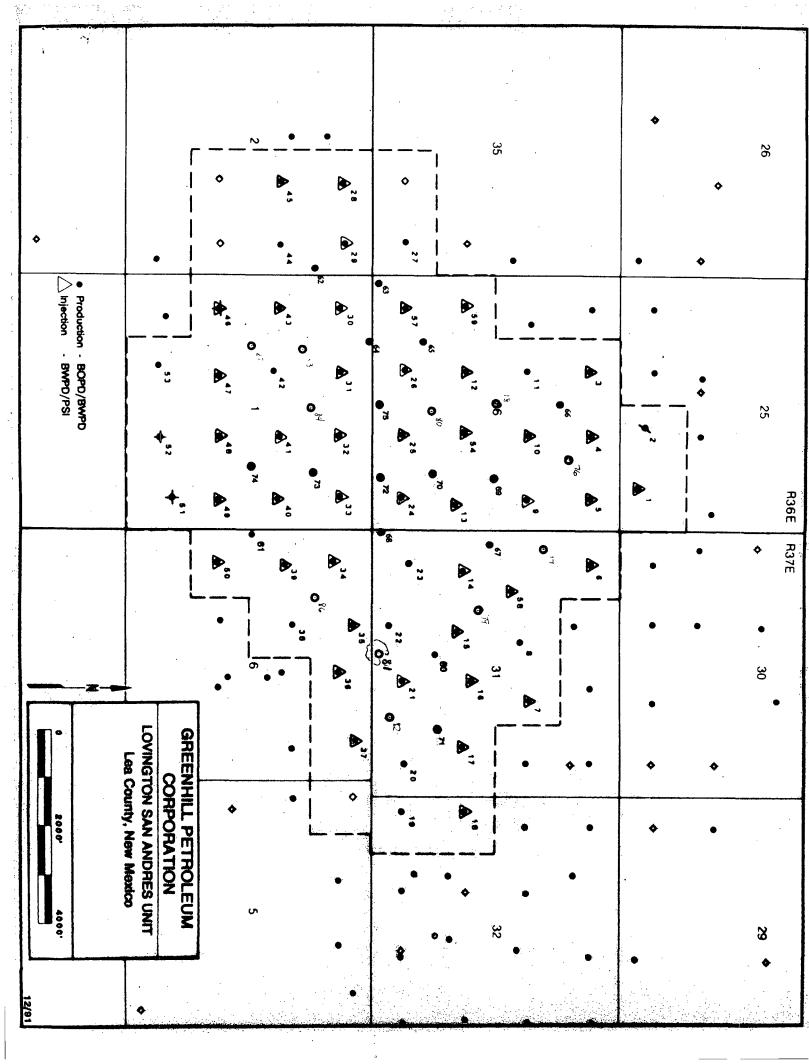
Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 81 in the Lovington San Andres Unit, located in Lea County, New Mexico.

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 81 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 Land Manager-Permian Basin



11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

·92 MAH 27 AM 9 47

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 81 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 81 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 81 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 Land Manager-Permian Basin

Submit to Appropriate District Office State Lease – 6 copies Fee Lease – 5 copies		State of New Me Minerals and Natural Re	esources Department			Forma C-101 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbe, N	M 88240	CONSERVATIO P.O. Box 208 Santa Fe, New Mexico	38	API NO. ( aa	signed by OC	D og New Wells)
DISTRICT II P.O. Drawer DD, Artesia,		Santa Fe, New Mexico	8 <i>15</i> 0 <del>-</del> 2066			ATE XX FEE
DISTRICT III 1000 Rio Brazos Rd., Azte	x, NM 87410			6. State Oil B 15(	<b>&amp; Gas Lease</b> )5	No.
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN, C	OR PLUG BACK			
1a. Type of Work:				7. Lease Na	ume or Unit Ag	preement Name
b. Type of Well:	L X RE-ENTER			Loving	ton San	Andres Unit
WELL X WELL	OTHER	ZONE	ZONTE			
2. Name of Operator				8. Well No.		······································
Greenhill	Petroleum Corp	oration		#81		
3. Address of Operator				9. Pool nam	e or Wildcat	
<u>11490 Wes</u>	theimer, Suite	200; Houston, Tx	. 77077	Lovingto	n Grayb	urg San Andres
4. Well Location Unit Letter	<u>N</u> : <u>2532</u> Feet I	rom The West	Line and12	2 Feet	From The	South Line
Section 3	1 Town	ship 16 South Rar	<b>ge</b> 37 East	NMPM		Lea, County
<i>\</i>						
		10. Proposed Depth 5150'		Formation San Andr	es	12. Rotar) or C.T.
13. Elevations (Show wheth	er DF, RT, GR) esc.)	14. Kind & Status Plug. Bond	15. Drilling Contracto	r	••	Date Work will start
3808		On File	TBD		4/9	92
17.	PF	ROPOSED CASING AN	<b>ID CEMENT PROG</b>	RAM		•
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF	CEMENT	EST. TOP
12 1	8 578	24	1300 '	55		Surface
7 7/8	5 1	15.5	5150*	100	0	Surface
L	<u> </u>			1		

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OR FLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE 20NE AND PROPOSED NEW PRODUCTIVE 20NE. GIVE BLOWOUT PREVENTER PROGRAM, # ANY.

I hereby certify that the inform	nation above is true and complete to the best of my knowl	adge and balief.
SIGNATURE Rich	matics above is frue and complete to the best of my knowl	The Land Manager-Permian Basin Date 3-23-92
	.,,,	(713)
TYPE OR PRINT NAME	Michael J. Newport	TELEPHONE NO. 589-8484

. .

DATE -

(This space for State Uas)

APPROVED BY .....

CONDITIONS OF AFPROVAL, 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

.

OIL CONSERVATION DIVISION P.O. Box 2088

DISTRICT I P.0. Box 1960, Hobbs, NM 88240

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

### WELL LOCATION AND ACREAGE DEDICATION PLAT

Santa Fe, New Mexico 87504-2088

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

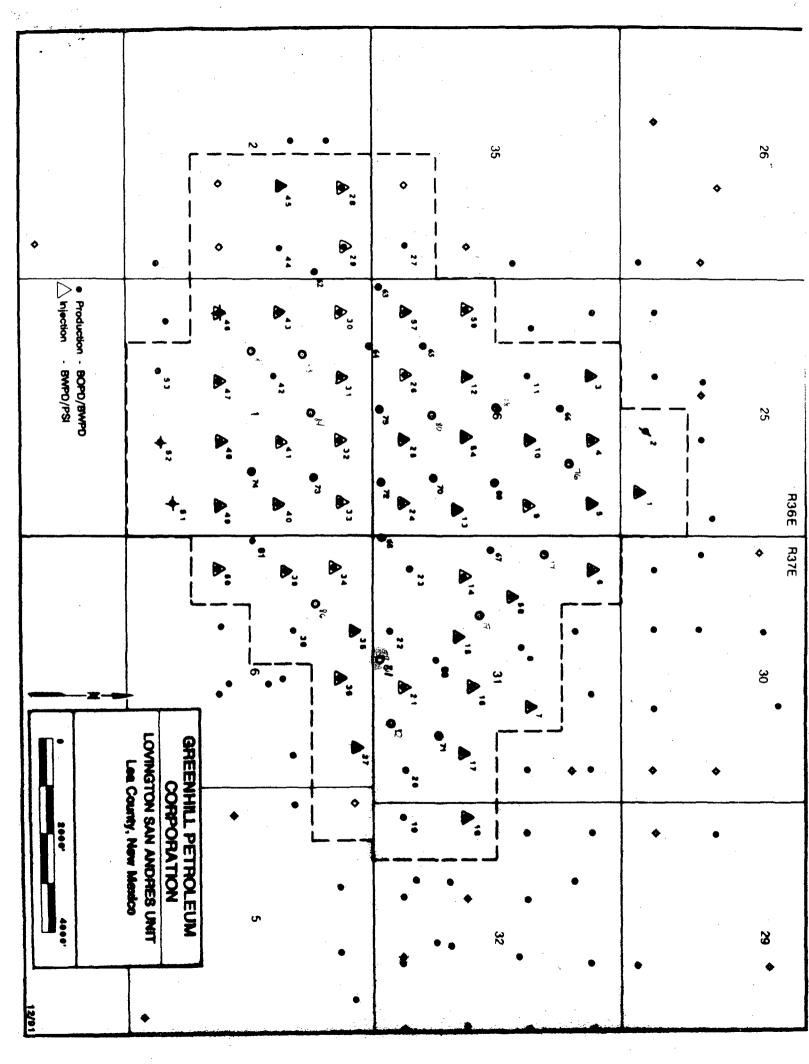
All Distances must be from the outer boundaries of the section

Greei	nhill Petro	oleum Corp.	Lovingto	n San Andres	Unit	81
	Section	Township	Range	·····	County	
N	31	16 South	37 East	NMPM	Lea	
Footage Loca	tion of Well:					
532 feet	from the WE	st line and	122	feet from	the South	line
d Lovel Elov.	Producing 1	formation	Pool		De	dicated Acreage:
08.6	San Ar	ndres	Lovington Gr	ayburg San Ar	ndres	40 <b>Ac</b> i
tline the ac	reage dedicated (	to the subject well by col	ored pencil or hachure man	iks on the plat below.		
			e each and identify the own	-	•	••••
Aitisation, fo	pros-pooling, etc		type of consolidation	unitized		
		and tract descriptions w	hich have actually been or	onsolidated. (Use reve	rse side of	
	li be assigned		terests have been consol			sation, forced-por
wise) or ur	til a non-stand	lard unit, eliminating su	ich interest, has been ap	proved by the Divisio		
					UPERATU	R CERTIFICATIO
	1				•	certify the the inform
	1		1		contained hervin best of my impuls	
			Ì			
	# 				Signatore /	1.1.1
	1				G. I.	IM. A
	1	1		.	Printed Name	Janje
	1				Michael J	Newport
	·			·	Position	. Newport
	i			.		Denniter T
					Land Manag	<u>ger-Permian H</u>
	l		I			Petroleum Co
			1			
	1	*	1		<b>Dete</b>	
	i		i	· · · · · · · · · · · · · · · · · · ·	3-23-92	
	1		i i		SUDVEVOR	CERTIFICATIO
,					SURVEIUR	CERTIFICATIO
			<u> </u>		I hereby serility i	hat the sect beating a
	. 1				• • • •	pietted from field not
	i				astual surveys a	and by the or would
000 10	20171461				supervises, and	that the same to tro
	3°17' <b>2</b> 6"				bollaf.	best of my snowledg
.at. 3	2°52 <b>'1</b> 7"			•a ·	-	<u></u>
	l		_q.	/ <sup></sup>	Date Surveyed	
	1		22 975		Marci	n 6, 1992
	i			- I [	Signature & S	
·	·	1	D Loc		Professional S	urveyor
	·		24-1			
	<b>I</b>	• •	is.			Minne.
			35● 10.		1111 E A	LAND Str.
			Ň		ALACAL	10 th 10 th
	See	Inset TN N		<b>3</b> 6	11/2:1	L. S. A.
	I		INSET		BY Brin IN	1. Orton
		Υ I Έ			Cartindate Ma	CON Y. WEST.
`	2532'	······································			E 1	RONALD ISEDSON
					13 :04	ANYL JORES,
1 1	1 I T				A. 4.	ab- at allows
330 660	990 1320 165	0 1960 2310 2640	2000 1500 1000	) 500 0	T	ALLEY LEYNARY

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

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

ì





11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

Incorporated in Delaware, U.S.A.

OIL CONSERVE ON DIVISION

'92 MAR 27 AM 9 47

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 82 Lovington San Andres Unit Lea County, New Mexico

Dear Mr. Stogner:

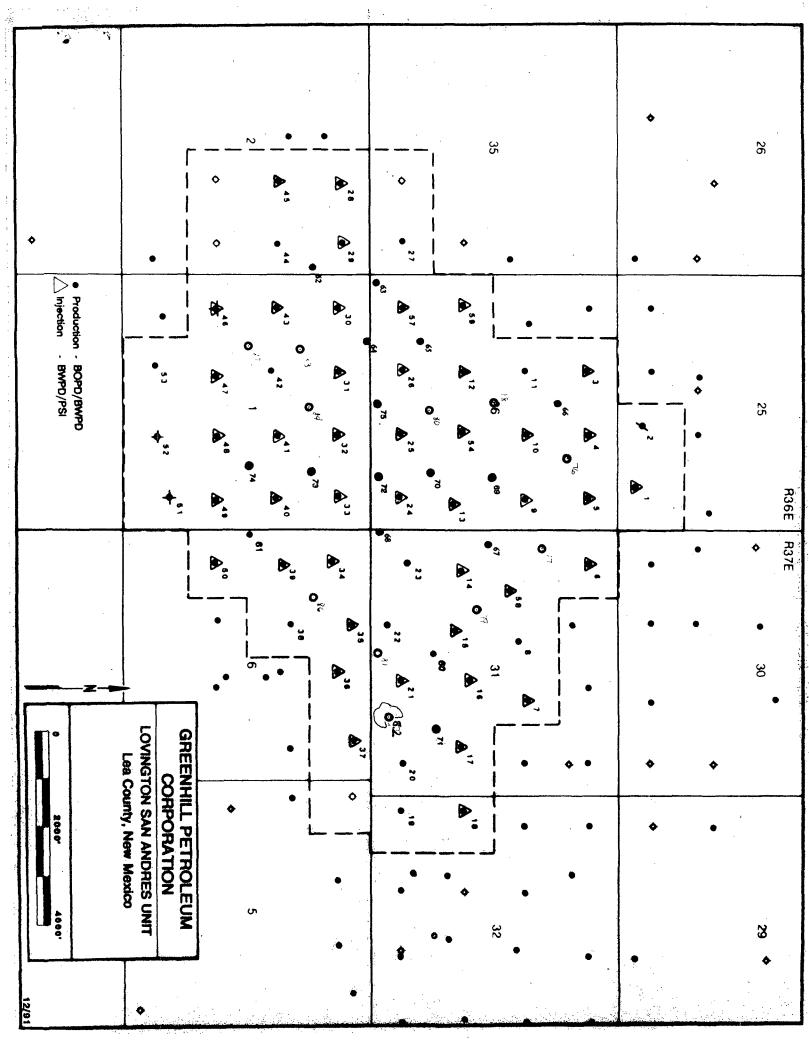
Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 82 in the Lovington San Andres Unit, located in Lea County, New Mexico.

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 82 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 Land Manager-Permian Basin





11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

Incorporated in Delaware, U.S.A.

OIL CONSERVE ON DIVISION RECEIPED

# '92 MAH 27 AM 9 47

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 82 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 82 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 82 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 Land Manager-Permian Basin

Submit to Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies		State of New Me , Minerals and Natural R	esources Department		Form C-101 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, M	M 88240	CONSERVATIO P.O. Box 200	38	API NO. ( assigned by OC	D on New Wells)
DISTRICT II P.O. Drawer DD, Artesia,		Santa Fe, New Mexico	87504-2088	5. Indicate Type of Lease ST	TATE
DISTRICT III 1000 Rio Brazos Rd., Azie				6. State Oil & Gas Lease B 7896	No.
	TION FOR PERMIT	TO DRILL, DEEPEN, C	DR PLUG BACK	<u> </u>	
la. Type of Work:				7. Lease Name or Unit Ap	preement Name
DRIL b. Type of Well:	L X RE-ENTER		PLUG BACK	Lovington Sar	n Andres Unit
WELL X WELL	OTHER	STNOLE ZONE			
2. Name of Operator				8. Well No.	
	L Petroleum Cor	poration		#82	
3. Address of Operator				9. Pool name or Wildcat	
<u>11490 Wes</u>	<u>stheimer, Suite</u>	200; Houston, T	x. 77077	Lovington Gray	ourg San Andres
4. Well Location Unit Letter	0_: <u>1630</u> Feet 1	From The East	Line and 3	50 Feet From The	South Line
Section	31 Town	stip 16 South Rad	age 37 East 1	NMPM	Lea, County
		10. Proposed Depth 5150	1	ormation an Andres	12 (Rotary) or C.T.
13. Elevations (Show wheth	er DF, RT, CR, etc.)	14. Kind & Status Plug, Bond	15. Drilling Contractor	16. Approx. 1	Date Work will start
3806		On File	TBD	4/	/92
17.	PF	ROPOSED CASING AN	ID CEMENT PROGE	MAR	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 4	8 5/8	24	1300'	550	Surface
7 7/8	5 1	15.5	5150'	1000	Surface
L	l			<u> </u>	

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OR FLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, # ANY.

I hereby cartify that the information above is true and complete to the best of my knowledg	e med baller.
SKONATURE	mus Land Manager- Permian Basinbans 3-23-92
TYPE OR PRINT NAME Michael J. Newport	TELEPHONE NO.

. ......

. DATE .

(This space for State Use)

APPROVED BY .\_\_

CONDITIONS OF APPROVAL, IF ANY:

Subinit to Appropriate District Office State Lease - 4 copies For Lease - 3 copies State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

.

#### OIL CONSERVATION DIVISION P.0. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I P.O. Bax 1980, Hobbe, NM 68240

DISTRICT II P.O. Drawer DD, Artenia, NM 86210

WELL LOCATION AND ACREAGE DEDICATION PLAT

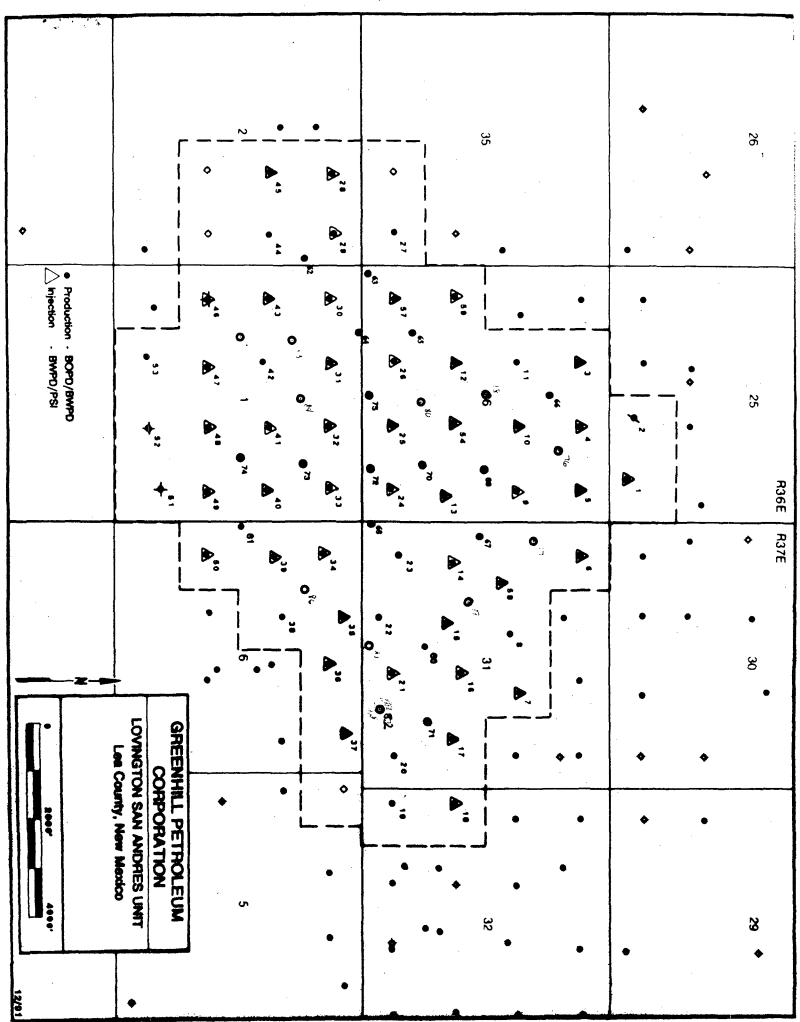
DISTRICT III 1000 Rio Brazos Ed., Astec, NM 87410

All Distances must be from the outer boundaries of the section

erator			Lease	<u></u>		Vell No.
	enhill Petr	oleum Corp.		San Andres U	nit	82
it Letter	Section	Township	Range		County	····
0	31	16 South	37 East	NMPM		Lea
. –	cation of Well:					
		ast line and	350	feet trom	the South	
und Lovel Kley	r. Producing	Formation	Pool			Dedicated Acreage:
3806.3	San	Andres	Lovington Gra	yburg San Ar	ndres	<u>40 Acres</u>
Outline the a	creage dedicated	to the subject well by co	lored pencil or hachure marks	on the plat below.	• .	
If more than	one lesse is ded	licated to the well, outlin	e each and identify the owner	ship thereof (both	as to working	g interest and royalty).
unitization, f	one loase of difference-pooling, et	c.?	ated to the well, have the int	terest of all owners	i been consoli	dated by communitization.
XXX Yes	No No	If answer is "yes"	type of consolidation			
		and tract descriptions w	which have actually been con	solidated. (Use reve	rre side of	
is form necess			terests have been consolid	ated (by commun		itization formed position
			uch interest, has been appr			Idiadon, forest-point
						OR CERTIFICATION
•	1					
			[		I here	by persify the the information for the termination of the second components of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second
		1			best of my best	en en men ener company in in reliedge and bolicy.
	1		1		Signature	I I N A
-	ł		i		hil	hard Things
					Printed Nam	• / /
	1				Michae]	J. Newport
	+-	+-	+		Position	
	•				Land Ma	nager-Permian Ba
	1		1	11	Company	
	i		· I		Greenhi	11 Petroleum Cor
	1		ł	[	Date	
	l		1		3-23-92	) • • • <u>• • • • • • • • • • • • • • • • </u>
	l		l	1 -		
	I		1		SURVEY	OR CERTIFICATION
	I		<u> </u>		I hereby works	y that the wall location show
					on this plat u	ne plotted from field notes a
			ong. 103°17 <b>'</b> 13"	. 11	estual surveys	made by me or under a
ر ،			at. $32^{\circ}52'/20''$		supervises, a	ng som som skille ta stud de he best of may knowledge a
					bolig.	
			. 1	· ]	Date Survey	
210		972' 20			-	ch 6, 1992
	2011	972				
	RLoc				Professional	
				[ ]		
	17		l			ANTER LAND
	N. In			1	N.	CR- anone Supers
e,	•3	7	320			
1	•3		m l	. J	[]) E S	·///NO. 163
, i	INSET	• .	See de le	30'	W DAA?	A tom Anna
36	INJEI		Inset		Certificate I	JOHN W. WEST, ED
<u>`</u>						RONALD & BOSON, A
						P. ANTL JOHR STO

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

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





RECEIVED

11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

Incorporated in Delaware, U.S.A.

'92 MAH 27 AM 9 47

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 83 Lovington San Andres Unit Lea County, New Mexico

Dear Mr. Stogner:

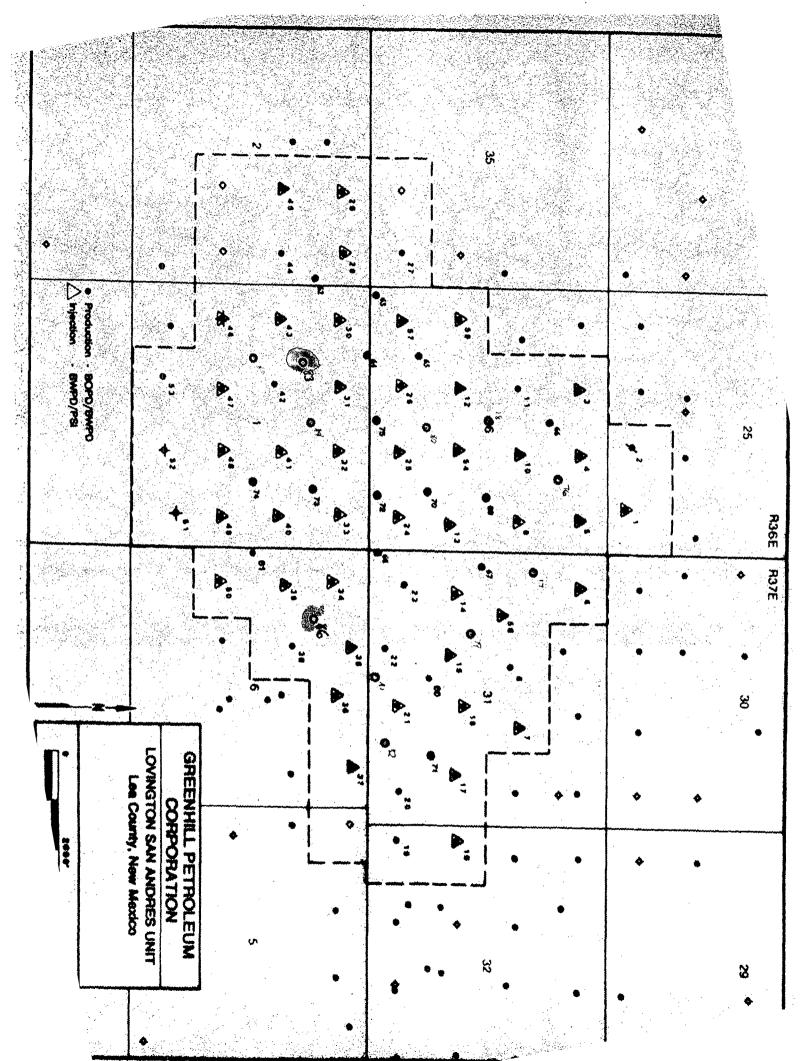
Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 83 in the Lovington San Andres Unit, located in Lea County, New Mexico.

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 83 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. Néwport Land Manager-Permian Basin



RECE VED

11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX, (713) 589-7892

Incorporated in Delaware, U.S.A.

'92 MAH 27 AM 9 47

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 83 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 83 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 83 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. Néwport Land Manager-Permian Basin

Submit to Appropriate District Office State Lease - 6 copies Foe Lease - 5 copies		State of New Me Minerals and Natural Re	sources Departme				Form C-101 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM	88240	CONSERVATIC P.O. Box 208	8	N	API NO. ( as	signed by OC	D on New Wells)
<u>DISTRICT<sup>I</sup>II</u> P.O. Drawer DD, Artesia, NI		anta Fe, New Mexico	87304-2088		5. Indicate 7	Type of Lease ST	
DISTRICT III 1000 Rio Brazos Rd., Aziec,			•		6. State Oil B 155	d Gas Lease	No.
	ON FOR PERMIT	TO DRILL, DEEPEN, C	R PLUG BACK				
1a. Type of Work;	_				7. Lease Na	me or Unit Aj	preement Name
DRILL	X RE-ENTER	DEEPEN	PLUG BACK		Loving	gton Sam	n Andres Unit
b. Type of Well: OIL OAS WELL X WELL	OTHER	SINGLE ZONE	MULTIPLE ZONE				
2. Name of Operator Greenhill	Petroleum Corp	oration			8. Well No.	#83	
3. Address of Operator 11490 West	heimer, Suite	200; Houston, Tx	. 77077		9. Pool aana Lovingto		urg San Andres
4. Well Location Unit Letter F	: <u>1520</u> Feet Fr	rom The West	Line and	147	2 Feet	From The	North Line
Section 1	Towns	hip 17 South Rar	🐅 36 East	N	MPM		Lea, County
		10. Proposed Depth 5150			ormation San Andr		12 Rotary or C.T.
13. Elevations (Show whether		4. Kind & Status Plug. Bond	15. Drilling Contr				Date Work will start
3831		On File	TBE				4/92
17.		OPOSED CASING AN					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPT		SACKS OF	CEMENT	EST. TOP
	8 5/8	24	1300 '		55		Surface
7 7/8	5 1	15.5	5150 •		100	0	Surface

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OR FLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE. ZONE. GIVE BLOWOUT PREVENTER PROGRAM, # ANY.

I hereby certify that the jufe	ermation above is trug and complete to the best of my knowl	indge and belief.	
SIGNATURE Have	hard A hung t	Land Manager-Permian Basin DATE 3-23-92	
		(713)	<u> </u>
TYPE OR PRINT NAME	Michael J. Newport	TELEPHONE NO. 589-	8484

TITLE .

DATE

(This space for State Use)

ATTROVED BY\_

CONDITIONS OF AFTROVAL, IF ANY:

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies ...

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

DISTRICT II P.O. Drawer DD, Artesia, NM 66210

DISTRICT III 1000 Rio Brazos Ed., Artec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

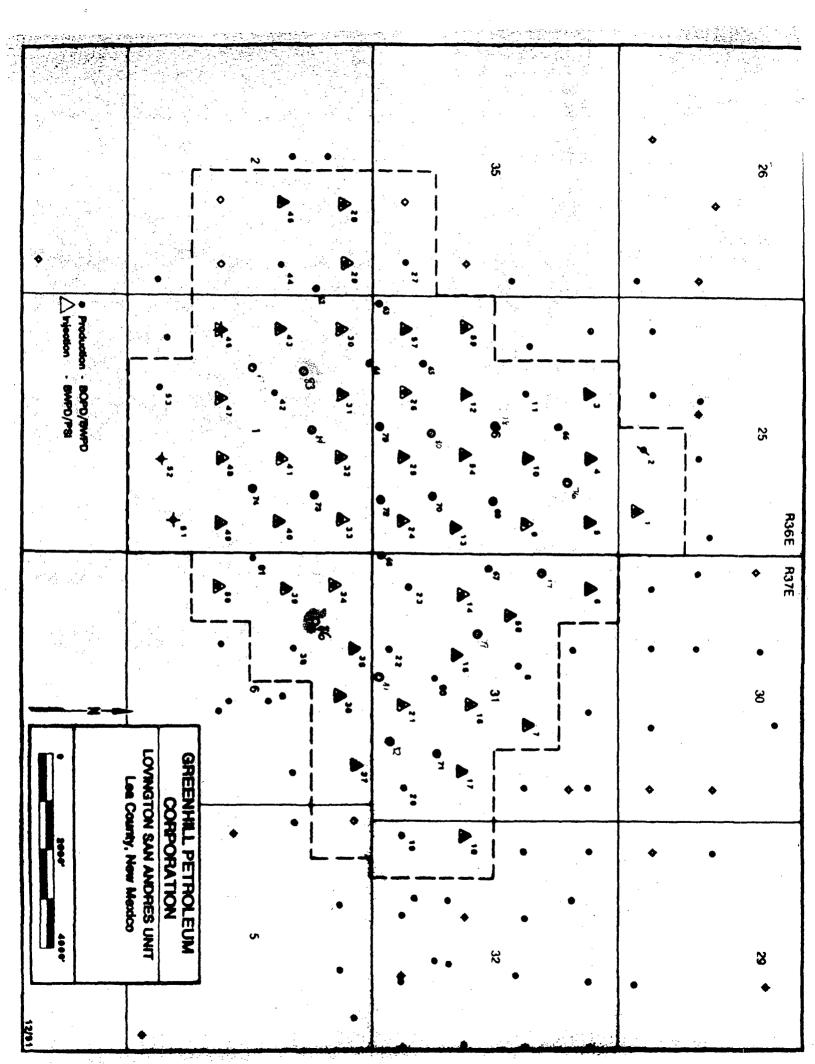
perator G	REENHILL F	PETROLEUM CORP.		Lease LOV	INGTON SAN	ANDRES L	JNIT	Well No. 83
it Letter	Section	Township		Range			County	<u> </u>
F	1		OUTH		36 EAST	NMPM		LEA
	cation of Wel	WECT		1472			the NORT	<b>ч</b>
1520 fe und Level Ele	et from the ev. Produc	WESI line ar	<u>id</u>	Pool	······	feet from	the NOR	Dedicated Acreage:
3831.2'		Andres		Loving	ton Graybur	g San A	ndres	40 Acres
Outline the	acreage dedica	ted to the subject we	l by colored	pencil or hacl	oure marks on the	plat below	,	
				-				g interest and royalty). idated by communitization,
	force-pooling	, etc.?		of consolidati	unitiz	_		
		ners and tract descrip	tions which	have actually	been consolidate	d. (Use reve	rse side of	
ois form neces o allowable	will be assig	ned to the well unit	all interes	ts have been	consolidated (b	y commun	itization, u	nitization, forced-pooling,
therwise) or	until a non-	standard unit, elimin	ating such i	nterest, has	been approved by	the Divisi		
4	T	1	1		T		OPERAI	OR CERTIFICATION
					l 1		contained her	by certify the the information in is true and complete to the owledge and beilef.
#30 <b>@</b>		, 24 <b>P</b> #31			ł		Signature	
	1/2		LONG=1	03°18'40"	l		- Mich	al thigh
	\	120	LAT= 3	2°52'01"	l		Printed Nam Michael	J. Newport
· · ·	<del>`</del>	±	+		+	╾╾┥┟	Position	
	520'-1'	-Q						ager-Permian Basin
	1001	\$0. \$0.			1		Company Croombil	1 Petroleum Corpor
	-						Date	I rectoredu corpor
· ī	#43	#42					3-23-92	
							SURVEY	OR CERTIFICATION
			-				I hereby certij	ly that the well location shown
	· [						-	vas plotted from field notes of made by me er under my
	. 1						-	nd that the some is srue and
	ļ						correct to t belief.	he best of my knowledge and
	ļ		]		1		-	
	!						Date Survey	ARCH 6, 1992
	!		1		•		Signature d	
	+		+				Professions	
	l	•	1					STICE LAND
			1		×		C MAN	the serveres Silong
	\$		1				$ \rangle = \langle \rangle$	
							KORNER	N. Ciller
	ļ	•	1				Certificate	No. ( & Zighty W. WEST. 2076
						===		C RONALD J. ETDSON, 3239
330 660	990 1320	1650 1980 2310 2	640 2	000 1500	1000 500			O. MET CH
		••••••••••••••••••••••••••••••••••••••					¥	1410 + E103

.

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

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

1





RECEIVED

11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

Incorporated in Delaware, U.S.A.

'92 MAH 27 AM 9 47

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:

Re:

Mr. Mike Stogner

Unorthodox Location and Drilling Permit Proposed Well Number 84 Lovington San Andres Unit Lea County, New Mexico

Dear Mr. Stogner:

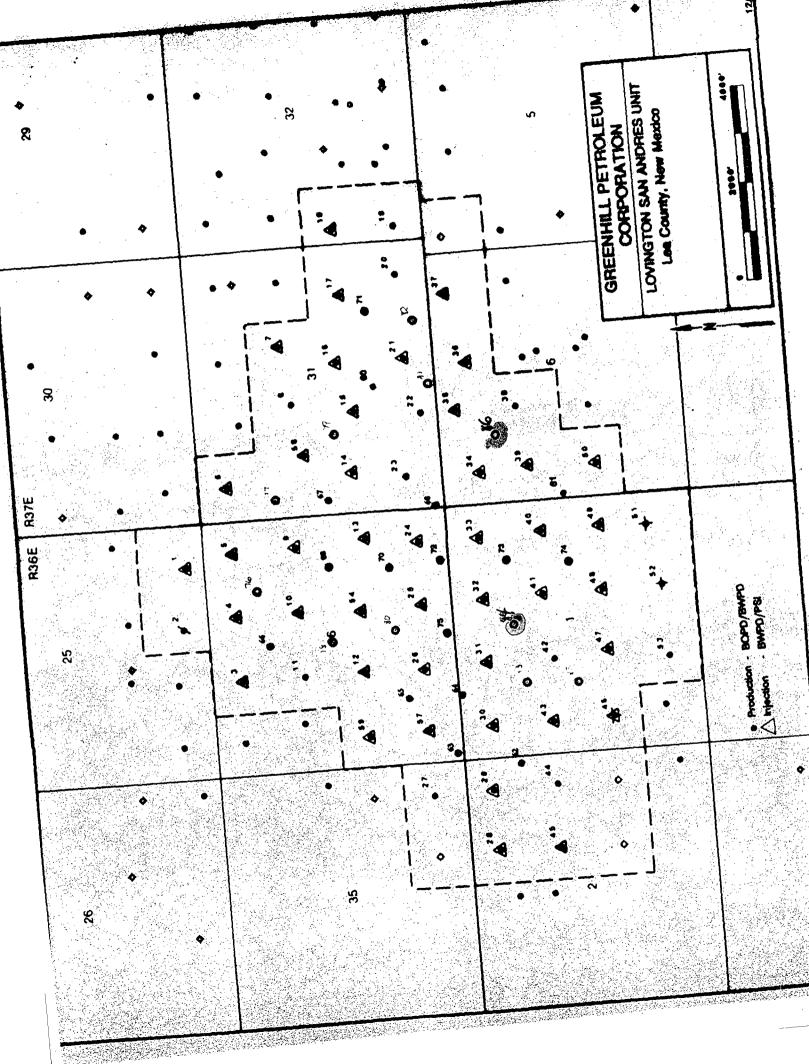
Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 84 in the Lovington San Andres Unit, located in Lea County, New Mexico.

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 84 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. Néwport Land Manager-Permian Basin





REC: ED

11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

Incorporated in Delaware, U.S.A.

'92 MAH 27 AM 9 47

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 84 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 84 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 84 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. Néwport Land Manager-Permian Basin

Submit to Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies	Energy	Forma C-101 Revised 1-1-89			
DISTRICT I P.O. Box 1980, Hobbs, NI	OIL 1 88240	API NO. ( assigned by OC	D on New Wells)		
DISTRICT II P.O. Drawer DD, Artesia,		Santa Fe, New Mexico	87504-2088	5. Indicate Type of Lease ST	
DISTRICT III 1000 Rio Brazos Rd., Azte				6. State Oil & Gas Lease B 2359	No.
	TION FOR PERMIT	TO DRILL, DEEPEN, C	OR PLUG BACK		
1a. Type of Work:				7. Lease Name or Unit Ap	preement Name
DRIL b. Type of Well:			PLUG BACK	Lovington Sar	Andres Unit
OL OAS WELL	OTHER	SINOLE ZONE			: 
2. Name of Operator				8. Well No.	
Greenhill	Petroleum Corp	oration		#84	
3. Address of Operator				9. Pool name or Wildcat	
<u>11490 Wes</u>	theimer, Suite	200; Houston, Tx	. 77077	<u>Lovington Grayb</u>	urg San Andres
4. Well Location Unit Letter	B : <u>1290</u> Feet F	rom The North	Line and2490	Feet From The	East Line
Section	1 Town	ship 17 South Ram	ge 36 East 1	NMPM	Lea, County
					ΠΗΠΠΛ
		10. Proposed Depth	11. F	ormation	12 Rotary or C.T.
		5150 <b>'</b>		San Andres	
13. Elevations (Show wheth	er DF, RT, GR)elc.)	14. Kind & Status Plug. Bond	15. Drilling Contractor		Date Work will start
3830	·····	On File	TBD		4/92
		OPOSED CASING AN	the second second second second second second second second second second second second second second second s		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 2	8 5/8	24	1300'	550	Surface
7 7/8	5 2	15.5	5150'	1000	Surface
	<u> </u>		······································	L	

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR FLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE 20NE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby cartify that the information above in true and complete to the best of my knowledge and belie SIONATURE	d
SIGNATURE Richard Thurst TITLE.	Land Manager-Permian Basin DATE 3-23-92
	(713)
TYPEOR PENT NAME Michael I Newport	TELEPHONE NO. 589-8484

TTTLE

DATE

(This space for State Use)

APPROVED BY \_\_

CONDITIONS OF APPROVAL, & ANY:

Subn. \ppropriate Distract Uffice State Lease - 4 copies Fee Lease - 3 copies

DISTRICT III

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

•

#### OIL CONSERVATION DIVISION P.O. Box 2088

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

DISTRICT II P.O. Drawer DD, Artenia, NM 86210

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

Santa Fe, New Mexico 87504-2088

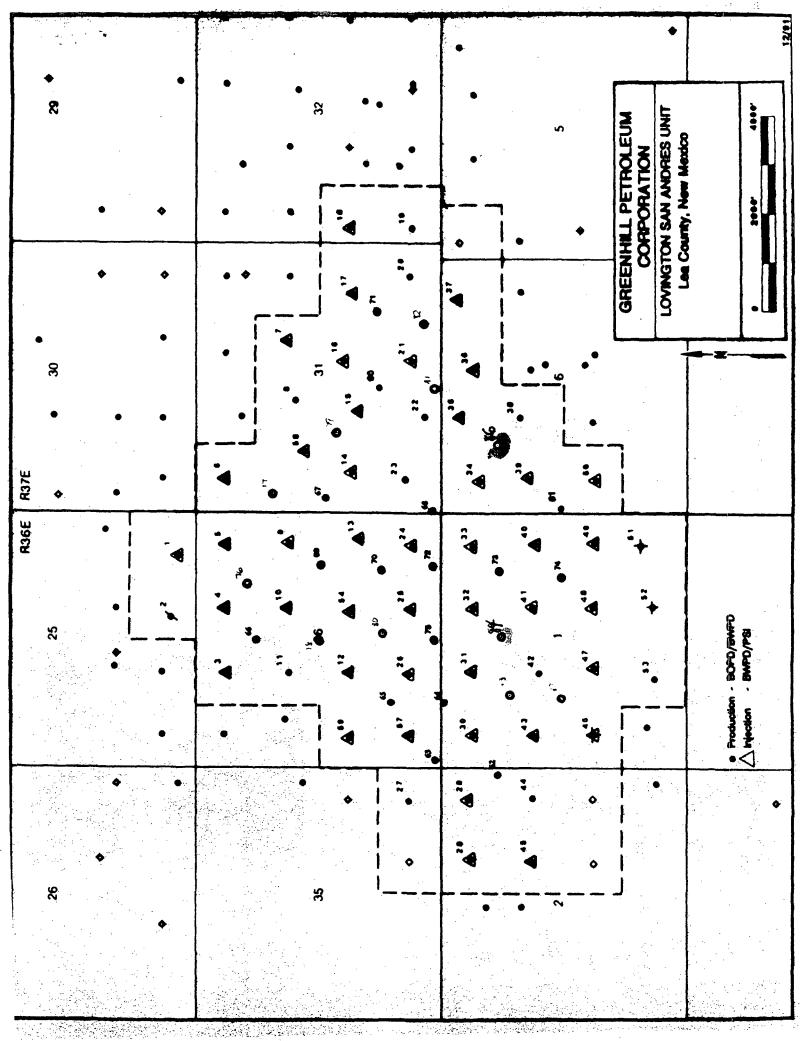
1000 Rio Brasoe Ed., Astec, NM 87410 All Distances must t

All Distances must be from the outer boundaries of the section

Operator					Lease	<u></u>			Well No.	·····
	nhill	Petrol	eum Corp.		Lo	vington Sa	an Andres			84
Jnit Letter	Section		Township		Range			County		
<u>B</u>	1		17 Sc	outh	36	East	NMPM	<u> </u>	Lea	
ctual Footage Loc					0/00					
1290 feel round Level Elev	t from the	north		4	2490		feet from	the east	line Dedicated	Acres #8*
3830.3'		San And				ton Gravh	urg San An	droc	40	-
1. Outline the ac				by colored p					40	Acres
			-							
2. If more than	one lease	in dedicat	ted to the well,	outline each	and identif	y the ownership	p thereof (both	as to working	g interest a	nd royalty).
5. If more than	one lease	of differe	ant ownership i	dedicated to	the well, h	ave the interes	st of all owners	been consol	idated by o	mmunitization,
unitization, fo	orce-pooli	ng, etc.?	-							
xk Yes	[	No				ion		<u></u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>
if answer is "no"		Where an	d tract descrip	tions which h	ave actually	/ been consolid	lated. (Use reve	rse side of		
this form necess No allowable w		dened to	the well unit	all interests	have been	consolidated	(by commun	itization, w	itization.	forced-pooling.
otherwise) or u										
[		r		1 .		1	i	OPERAT	OR CERI	IFICATION
		İ		II		i		I her	iby certify sh	e the information
		İ					·			nd complete to the
		, 	71	-06Z		1		best of my in	oulodge and l	willef.
		, I	31 10go,	<u>či</u> •2	32	1	1 1	Signature /		
}		i I	10801	, à		1	. 11	4.1	M	. 1
		j ∎		1 7		[		Printed Nam	in prog	
		j		<u>1-k∠</u>		12490'		Michael	J. New	port
		<u> </u>		7		+		Position		
		1	1118	6				Land Ma	nager-P	<u>ermian Bas</u>
		·	111-	BRA		Long=103	18 25	Croonbi	11 Dotr	oleum Corp
	l		•		· ·	Lat= 32°			II Fell	oleum corp
		-	2		•	1		<b>Deto</b> 3-23-92	1	
						1			·	
	l					1		SURVEY	OR CERT	FICATION
		, 				·				
	Í					i	1 1	I hereby earth on this plat s	• • • • • • • •	ou soccan shown was field upter of
								astud survey	made by	us or wilder my
	j							supervises, a correct to t	nd that the he heat of a	anno is fruo un ny kaominina am
	1					1		beliaf.		
	1	• •				1	·	Date Survey	med	·····
		1				1		- •	ary 27,	1992
		1				1 .		Signature 4	: Seal of	· · · ·
				t 1		+		Professions	1 Surveyor	127.
	-					1			650 LAA	5 110
		•				I		S.S.	1.20 A # 8 2 8 4 8 8 9 1	
						1		1	No	
	1					1			Alla	0 22
		•				1	[]	Nonis	1119	In
	l					1		Certificate	Not / 10	(W. WEST, 076
	1			<u> </u>	<u> </u>	İ		1 1,0	. RONALD	J apsol 3238
									410 , 24	TOC CONES, TOTT
530 660	990 13	20 1650	1960 2310 26	40 200	00 1500	1000	500 Ó	W.O.	92-44-0	45

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

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



RECEIVED

11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

192 MAR 27 AM 9 47

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 85 Lovington San Andres Unit Lea County, New Mexico

Dear Mr. Stogner:

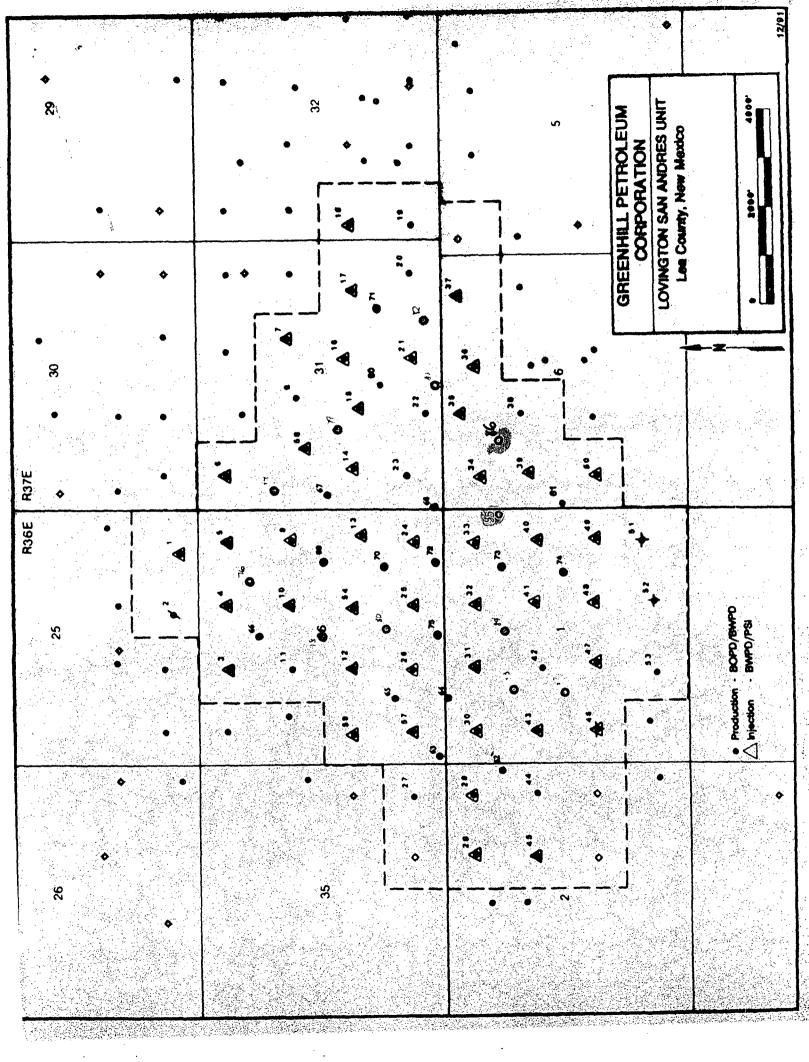
Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 85 in the Lovington San Andres Unit, located in Lea County, New Mexico.

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 85 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 Land Manager-Permian Basin





RECEIPED

11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

192 MAR 27 AM 9 47

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 85 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 85 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 85 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 Land Manager-Permian Basin

Submit to Appropriate District Office State Lease - 6 copies Free Lease - 5 copies	Energy,	Form C-101 Revised 1-1-89			
DISTRICT I P.O. Box 1980, Hobbe, NN	OIL (	API NO. ( assigned by OC	API NO. (assigned by OCD on New Wells)		
DISTRICT II P.O. Drawer DD, Artesia, I	S NM 88210	5. Indicate Type of Lease ST			
DISTRICT III 1000 Rio Brazos Rd., Azie	c, NM 87410			6. State Oil & Gas Lease B 2359	No.
APPLICAT	TION FOR PERMIT	TO DRILL, DEEPEN, C	OR PLUG BACK		7777777777777777777777777
1a. Type of Work:	· · · · · · · · · · · · · · · · · · ·			7. Lease Name or Unit A	greement Name
b. Type of Well: OIL CAS WELL XX WELL	RE-ENTER	DEEPEN SINCLE	PLUG BACK	Lovington San	Andres Unit
2. Name of Operator GF	REENHILL PETROL	EUM CORPORATION		8. Well No. 85	
3. Address of Operator 11490 Westheime	er, Suite 200, I	Houston, Texas	77077-6841	9. Pool name or Wildcat Lovington Grayb	ourg San Andres
4. Well Location Unit Letter H	. 1,335 Feet F	rom The	Line and	Feet From The	East Line
Section	] Towns	17S nip Rai	36E	Lea	County
		10. Proposed Depth	5,150 ft. Sa	n Andres	12. Rotary or C.T. Rotary
13. Elevations (Show wheth	er DF, RT, GR, eic.) 1	4. Kind & Status Plug. Bond ON file	15. Drilling Contractor	TBD 16. Approx.	Date Work will start
17.	PR	OPOSED CASING AN	ID CEMENT PROGR	AM	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4	8-5/8	24	1,300 ft.	550	Surface
7-7/8	5-1/2	15.5	5,150 ft.	1,000	Surface
L					

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR FLUG 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 the and formpists SKONATURE A ichast / bumper	A	Land Manager Permian Basin	DATE 03/23/92
TYPE OR FRONT HAME Michael	J. Newport		713 TELETHOME NO. 589-8484
(This space for State Use)			
APTROVED BY	TTLE	······································	DATE

CONDITIONS OF APPROVAL, IF ANY:

۳.

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

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

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

CREENHIL PETROLEUM CORP.     LOVINGTON SAN ANDRES UNIT     B5       Data Latter     Tovaship     Tova									
H       1       17 SOUTH       36 EAST       Nerval       LEA         1335       perform the More East       Pool       fast from the EAST       Illas         1335       perform the Mark East       Pool       fast from the EAST       Illas         3622.6?       San Andres       Pool       Poo	Operator GF	REENHILL PE	TROLEUM CORP.	Lease	LOVING	TON SAN	ANDRES	UNIT	Well No. 85
H       1       17 SOUTH       36 EAST       Nerval       LEA         1335       perform the More East       Pool       fast from the EAST       Illas         1335       perform the Mark East       Pool       fast from the EAST       Illas         3622.6?       San Andres       Pool       Poo	Unit Letter	Section	Township	Range		<u></u>		County	
atual Porciae Localitas of Pall:       1335       rest from the NORTH the and Pool       Pool       Total Active Term Toducing Formation       Dedinated Actression         3822.6°       San Andres       Lovington Grayburg San Andres       Dedinated Actression       40       Actres         1. Outline the acteage dedicated to the well will by colored peculi or bachure marks on the plat below.       E. If more than one lease is dedicated to the well, outline such and identify the errarmhip thereof (both as to working Interest and royalty).       S. If more than one lease of different ormarship is dedicated to the wall, have the interest of all ormars been coarolitated by communitiestion, unititation, forced-pooling, to all or marks and identify the coarolitated (the rowannitiestion, moltantion, forced-pooling, to all or marks and task descriptions which have actually been coarolitated (the rowannitiestion, moltantion, forced-pooling, to all or moltantian the none-standard unit, eliminating such interest, has been approved by the Division.       OPERATOR CERTIFICATION / Amager -Permian Bas         Variage or wall a non-standard unit, eliminating such interest, has been approved by the Division.       Isometry for the set or marks in the ormatic is the set of mark and arrow are well or marks in the ormatic ormatic is the set of mark and arrow are well or marks in the ormatic is the set of mark and arrow are well or mole and arrow are well or mole and arrow are well or mole and arrow are well or mole and arrow are well or mole and arrow are well or mole and arrow are by mark or well or mole and arrow are by mark or well or marks and or mole and arrow arrow are by mark or or well or marks and or mole and arrow are well or mole and arrow arrow are well or mole arrow arrow area by mark or		1				6 EAST	NMPM		LEA
1335       fort breen the NORTH       Intermediate       Pool       Pool       Dedicated Acrees       Dedicated Acrees         1: Outline the screage dedicated to the subject will by colored penal or bachure marks an the plat helor.       1: Outline the screage dedicated to the subject will by colored penal or bachure marks and to be plat helor.       If more than cos lease of different ornership is dedicated to the well, here the intervet of all orners been cossolidated by communitistion, force-pooling, star         1: Durities the screage of dicated to the well and the star bachure marks and tool there of all orners been cossolidated by communitistion, unitized       Initized         If anyor is for if or orners and tract descriptions which have actually been cossolidated (by communitistion, unitization, force-pooling, star       Initized         If anyor is for if or orners and tract descriptions which have actually been cossolidated (by communitistion, unitization, force-pooling, star       Initized         If anyor is for if or orners and tract descriptions which have actually been approved by the Difference       OPERATOR CERTIFICATION         If anyor is not if an orner and tract descriptions which have actually been approved by the Difference       OPERATOR CERTIFICATION         If anyor is not if anyor if any anyor if any anyor if any anyor if any anyor if any anyor if any anyor if any any anyor if any any any any anyor if any any any any any any any any any any		cation of Well:						. I	
Description       Producting Formation       Pool       Lowington Grayburg San Andres       Description         1. Dutline the acreage dedicated to the well by colored panell or hachave marks on the plat balar.       2.       If more than one leave is dedicated to the well, outline each and identify the ormarship thereof (both as to working interest and royalty).       3.       If more than one leave is dedicated to the well, outline each and identify the ormarship thereof (both as to working interest and royalty).         3. If more than one leave is dedicated to the well, outline each and identify the ormarship thereof (both as to working interest and royalty).       3.       If more than one leave is dedicated to the well, have the interest of all ormars been consolidated by communitization, unititation, forced-pooling, otherwise) or unit a non-reanderd unit, eliminating such interest, has been approved by the Division of the of ormarship there to such as a start of the ormarship as an ormal the interest of the set of an ormalization of the set of unit all interests there been consolidated by communitization, unitiation, forced-pooling, otherwise) or unit a non-reanderd unit, eliminating such interest, has been approved by the Division of the set of more the ormal or the set of the set of more than ormality in the the stormation of the set of the set of a set of the set of a set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the	4775		NORTH No		120	*	faat	the EAST	
3822.6'       San Andres       Lovington Grayburg San Andres       40       Access         1. Outlins the arrays deficient or weily outline such and identify the ormarking baterest (beth as is to working baterest and royalty).       3. Million the arrays deficient ormarking is deficient of the wolk is baterest and royalty).       3. Million the arrays deficient ormarking is deficient of the wolk is baterest and royalty).       3. Million the arrays deficient ormarking is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is deficient of the wolk is		v. Producir		·			Jeer Hom	CT18	
1. Outline the acreage dedicated to the real, seet well, by colored pendl or hachure marks on the plat below. 2. If more than one lease is dedicated to the vell, outline each and identify the ormership thereof (both as to vorking interest and royaty). 3. If more than one lease of different overarhip is dedicated to the vell, have the interest of all owners been consolidated by communitiation, unitiation, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, force-pooling, fo			-	llov	inaton	Gravbur	a San A	ndres	40
2. If more than one lease is dedicated to the well, earlier and identify the ownership thereof (both as to working interest and regally). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, force-pooling, etc." (A) Yes   No II answer is "yes" type of consolidation unitized If answer is "no" lift of owners and tract descriptions which have actually been consolidated (by communitization, forced-pooling, conserved) No allowable will be angined to the well unit all interest have been consolidated (by communitization, forced-pooling, conserved by the Division of the sole opported by the Division of the sole opported by the Division of the sole opport of the Division of the sole opport of the sole opport of the sole opport of the sole opport. No allowable will be angined unit, eliminating such interest, has been opported by the Division of the sole opport of the sole opport. ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757 ILONG=10371757		area dedicate							ACIUS
Unitiation, force-pooling, etc.?									g interest and royalty).
Yes       If answer is "yes" type of consolidation       UNITIZEd         If answer is "no" list of owners and tract descriptions which have actually been consolidated. (by communitization, unitization, forced-pooling, observation) or uniti a non-etanderd unit, climinsting such interest, has been approved by the Division.         No allowable will be assigned to the well unit all interest, has been approved by the Division.       OPERATOR CERTIFICATION         ILONG=103*17:57       ILONG=103*17:57         ILONG=103*17:57       IAT= 32*52'03*         SEE INSET       SEE INSET         6 and Manager-Permian Bas:       Greenhill Petroleum Corp         03/23/92       SURVEYOR CERTIFICATION         1 Aretsg ority that the unit all between one of the petroleum corp       Date         03/23/92       SURVEYOR CERTIFICATION         1 Aretsg ority that the unit all between one of the petroleum corp       Date         03/23/92       SURVEYOR CERTIFICATION         1 Aretsg ority that the unit and manager.       Permian Bas:         03/23/92       SURVEYOR CERTIFICATION         1 Aretsg ority that the unit and one of the petroleum corp       Date         1 Aretsg ority that the unit and the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the one of the of the of the one of the one of the one o				dedicated to the w	ell, have ti				idated by communitization,
this form necessor, observise) or until a non-standard unit, eliminating much interest, has been approved by the Division. OPERATOR CERTIFICATION I horty certify the the information or until a non-standard unit, eliminating much interest, has been approved by the Division. OPERATOR CERTIFICATION I horty certify the the information or until a non-standard unit, eliminating much interest, has been approved by the Division. OPERATOR CERTIFICATION I horty certify the the information or until a non-standard unit, eliminating much interest, has been approved by the Division. OPERATOR CERTIFICATION I horty certify the the information or until a non-standard unit, eliminating much interest. I LONG=103'17'57' LAT= 32°52'03' I LONG=103'17'57' I LAT= 32°52'03' I LONG=03/23/92 SURVEYOR CERTIFICATION I have plotted from faid notes of 03/23/92 SURVEYOR CERTIFICATION I have plotted from faid notes of MARCH 6, 1992 Signature & Seal of Professional Surveyor I LANG I have I have been of ong have have been of ong have information about the seal of professional Surveyor I have I have I have been of ong have have have have have have have have	XX Yes	м <b>П</b> и	o If answer is	"yes" type of conso	lidation	u	nitized		
this form necessor, observise) or until a non-standard unit, eliminating much interest, has been approved by the Division. OPERATOR CERTIFICATION I horty certify the the information or until a non-standard unit, eliminating much interest, has been approved by the Division. OPERATOR CERTIFICATION I horty certify the the information or until a non-standard unit, eliminating much interest, has been approved by the Division. OPERATOR CERTIFICATION I horty certify the the information or until a non-standard unit, eliminating much interest, has been approved by the Division. OPERATOR CERTIFICATION I horty certify the the information or until a non-standard unit, eliminating much interest. I LONG=103'17'57' LAT= 32°52'03' I LONG=103'17'57' I LAT= 32°52'03' I LONG=03/23/92 SURVEYOR CERTIFICATION I have plotted from faid notes of 03/23/92 SURVEYOR CERTIFICATION I have plotted from faid notes of MARCH 6, 1992 Signature & Seal of Professional Surveyor I LANG I have I have been of ong have have been of ong have information about the seal of professional Surveyor I have I have I have been of ong have have have have have have have have	If answer is "n	o list of owne	re and tract descript	ions which have act	tually been	consolidate	d (line rev	erre side of	
No allovable will be assigned to the well unit all interests have been consolidated (by communitisation, unitisation, forced-pooling, otherwise) or until a non-standard unit, climinating such interest, has been approved by the Divideo. OPERATOR CERTIFICATION I LONG=103°17'57' LAT= 32°52'03 I LONG=103°17'57' LAT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I LONG=103°17'57' I AT= 32°52'03 I ATENDA AND AND AND AND AND AND AND AND AND			is and date descript				. (		
OPERATOR CERTIFICATION I Array crity the the end complete to the best of any insuface and being? LONG=103*17*57 LAT= 32*52*03 LONG=103*17*57 LAT= 32*52*03 SEE INSET SEE INSET A33 Base SEE INSET A33 Base SEE INSET Company Greenhill Petroleum Corp Date 03/23/92 SURVEYOR CERTIFICATION I Array crity that the sum to rue and run the point was bounder on the solution about an the point was bounder on the solution about an the point was bounder on the solution about an the point was bounder on the solution about an the point was bounder on the solution about an the point was bounder on the solution about an the point was bounder on the solution about an the point was bounder on the solution about an about the term of the the solution about an about the solution about an about the solution about an about the solution about an about the solution about an about the solution about an about the solution about an about the solution about a solution about the solution about a solution about the solution about a solution about the solution about a solution about the solution about the solution about a solution about the solution about a solution about the solution about the solution about a solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about the solution about									itization, forced-pooling,
I Arreby certify the the enformation centerined Arreis to the and complete to the best of my knowledge and bestar. Signature	otherwise) or u	intil a non-st	andard unit, elimina	ting such interest,	has been	approved by	y the Divisi	on.	
bits of my smouldings and bally. LONG=103*17*57 LAT= 32*52*03 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 1	<b></b>							OPERAT	OR CERTIFICATION
bits of my smouldings and bally. LONG=103*17*57 LAT= 32*52*03 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 120' 1		Ì			1		T I I	I here	by certify the the information
LONG=103*17*57 LAT= 32*52*03 120 120 SEE INSET 533 533 533 535 535 535 535 5			·	· ·	i				
LONG=103*17'57 LAT= 32*52'03 120 120 SEE INSET SEE INSET 53 53 53 53 53 53 53 53 53 53					1			best of my know	wiedge and bekief.
LONG=103*17'57 LAT= 32*52'03 120 120 SEE INSET SEE INSET 53 53 53 53 53 53 53 53 53 53		ļ			1		2		
LAT= 32°52'03"       Pristed Name         120"       Position         SEE INSET       Company         Greenhill Petroleum Corp       Bate         03/23/92       SURVEYOR CERTIFICATION         7 Arreby cortify that the well icention shown on this pict wee picture of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck on the set of my bruck o		l			ł			Signature	INA
Image: State of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of								Archo	of Things
120'-     Position       SEE INSET     Position       SEE INSET     Company       Greenhill Petroleum Corp       Date       03/23/92       SURVEYOR CERTIFICATION       Inset       Jas       Jas <td></td> <td>· · · ·</td> <td></td> <td></td> <td></td> <td>T= 32°52'</td> <td>03</td> <td></td> <td></td>		· · · ·				T= 32°52'	03		
SEE INSET SEE INSET SEE INSET SEE INSET Company Greenhill Petroleum Corp Date 03/23/92 SURVEYOR CERTIFICATION 7 horeby contify that the well location shown on this plat was plotted from field noise of actual arrungs made that the same is true and correct to the best of my imputations on baller. Date Surveyed MARCH 6, 1992 Signature & Seal of Professional Surveyor Circlification West, Orgon, 3238 Circlification West, Orgon, 32						120			
Company Greenhill Petroleum Corp Date 03/23/92 SURVEYOR CERTIFICATION I hareby certify that the well location shown in this plat was plotted from field motes of catual survey made by me or under my supervises, and that the same is true and correct to the best of my immunicate and ballet Date Surveyed MARCH 6, 1992 Signature & Seal of Professional Surveyor (D LAND UNSET Cirillication Marching Corport, 2338 Cirillication Marching of Date Name Wellson Supervises, and that the well location shown on this plat was plotted from field motes of supervises, and that the same is true and correct to the best of my immunicate and correct to the best of my immunicate and correct to the best of my immunicate and correct to the best of my immunicate and correct to the best of my immunicate and correct to the best of my immunicate and correct to the best of my immunicate and correct to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my immunicate and corport to the best of my		Í			i				nager-Permian Bas
Greenhill Petroleum Corp Date 03/23/92 SURVEYOR CERTIFICATION 7 Arreby certify that the well location shown on this plat was plotted from field noise of actual surveys made by me or under my rupprison and that the same is true and correct to the best of my knowledge and balay. Date Surveyed MARCH 6, 1992 Signature & Seal of Professional Surveyer INSET Our difficult of the tops of state actual survey and by me or under my rupprison and that the same is true and balay. Date Surveyed MARCH 6, 1992 Signature & Seal of Professional Surveyer Christical of actual with wiss, ore Romalo of Ecoson, 3238		1			· I	SEE INS	EI		nuger renaria bus
Bate     03/23/92       SURVEYOR CERTIFICATION     I hereby certify that the well location about on this plat was plotted from field notes of actual surveys made by me or under my ruperei son and that the ame is true and correct to the best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and best of my knowledge and bes		!			. !				11 Petroleum Corn
63/23/92         SURVEYOR CERTIFICATION         1 hereby certify that the well location shown on this plat was plotted from field notes of etual serveys made by me or under my rupervisen and that the same is true and certexis to the best of my knowledge and bilds.         633         633         633         634         635         635         636         637         638         639         630         631         632         633         634         635         635         636         637         638         639         639         630         631         632         633         634         635         635         636         637         638         639         639         630         631         632         632         632         633         633         634         6356         6357		I							TT TECTOTCum corp.
#33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #33       #34         #34       #34         #35       #34         #34       #35         #35       #35         #36       #37         #37       #38         #38       #35         #39       #36         #30       #38         #30       #38         #30       #39         #30       #		1							22/02
1 hereby certify that the well location shown on this plat was plotted from field notes of at us survey made by me or under my supervison, and that the some is true and correct is the best of my browledge and belts. Date Surveyed MARCH 6, 1992 Signature & Seal of Professional Surveyor Signature & Seal of Professional Surveyor Signature & Seal of Christicate Ny Advented WEST, 676 RONALD J. EDSCH, 3238		1			1			037	23/92
<ul> <li>at this plat was plotted from field notes of actual surveys made by me or under my rupervision and that the same is true and correct to the best of my knowledge and better.</li> <li>better:</li> <li>be</li></ul>		į			-			SURVEY	OR CERTIFICATION
40 440 440 440 440 440 440 440			<u> </u>		,	<u> </u>			-
433 434 435 436 437 437 438 440 440 440 440 459 440 459 440 459 450 450 450 450 450 450 450 450		1						-	
433 434 440 440 440 440 459 440 459 440 459 459 450 450 450 450 450 450 450 450								supervison, a	nd that the same is true and
Bar 10 <sup>15</sup> Date Surveyed MARCH 6, 1992 Signature & Seal of Professional Surveyor Professional Surveyor INSET INSET Christicale (NY School of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of t		ļ		A		₽_ <u>,</u>	<u> </u>		he best of my knowledge and
MARCH 6, 1992 Signature & Seal of Professional Surveyor HAD HAD HAD HAD HAD HAD HAD HAD					•	~ / <b>*</b>	~ 🔪	dentej.	
Ato INSET Signature & Seal of Professional Surveyor Professional Surveyor NO. Christian Ronalic, J. EDSON, 3239 RATY & DNES, 7877		, l'			8	57		•	
Ato INSET Christicate (Nr. Advisor, 1200) Ato Ato Ato Ato Ato Ato Ato Ato Ato Ato Ato Ato Ato		1			`\ /		1	MA	RCH 6, 1992
440 INSET Christian (NY) Christian (NY) Ch		i			NIN	C.		-	
INSET Cortificate (NY WEST 070 Cortificate (NY WEST 070 RONALD, J EDSCN, 3230					$\sim$			Protessiona	
INSET Cortificate (NY WEST 070 Cortificate (NY WEST 070 RONALD, J EDSCN, 3230		·		5		<b>N</b>			CD LAND THE
INSET Cortificate (NY WEST 070 Cortificate (NY WEST 070 RONALD, J EDSCN, 3230		!	•			``		I'M TH	1000000 000 000 000 000 000 000 000 000
INSET Cortificate (NY WEST 070 Cortificate (NY WEST 070 RONALD, J EDSCN, 3230		l	i	\ <b>i</b> _***		<u>ر</u> ا			
Cartificate (NY) JOHN WEST 676 RONALD J. EIDSON, 3239		ł		<b>4</b> 0				旧些,	ANO ARE
Cartificate (NY) JOHN WEST 676 RONALD J. EIDSON, 3239		ŀ			<u>INSE</u>	L /	·	Peniel	VI Aniline
RONALD, J. EIDSON, 3239		Ì						Cortificate d	JOHN WEST 676
GARY: LONES 7877	·	<u>i</u>			<u> </u>	<u> </u>		1 3. 0	RONALD J EIDSON 3238
o 330 680 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0 92-11-0246	·····					-		1 10 8	
	o 330 660	990 1320	1650 1980 2310 26	40 2000	1500 1	000 500	) o o	. 'g	2-17-0246

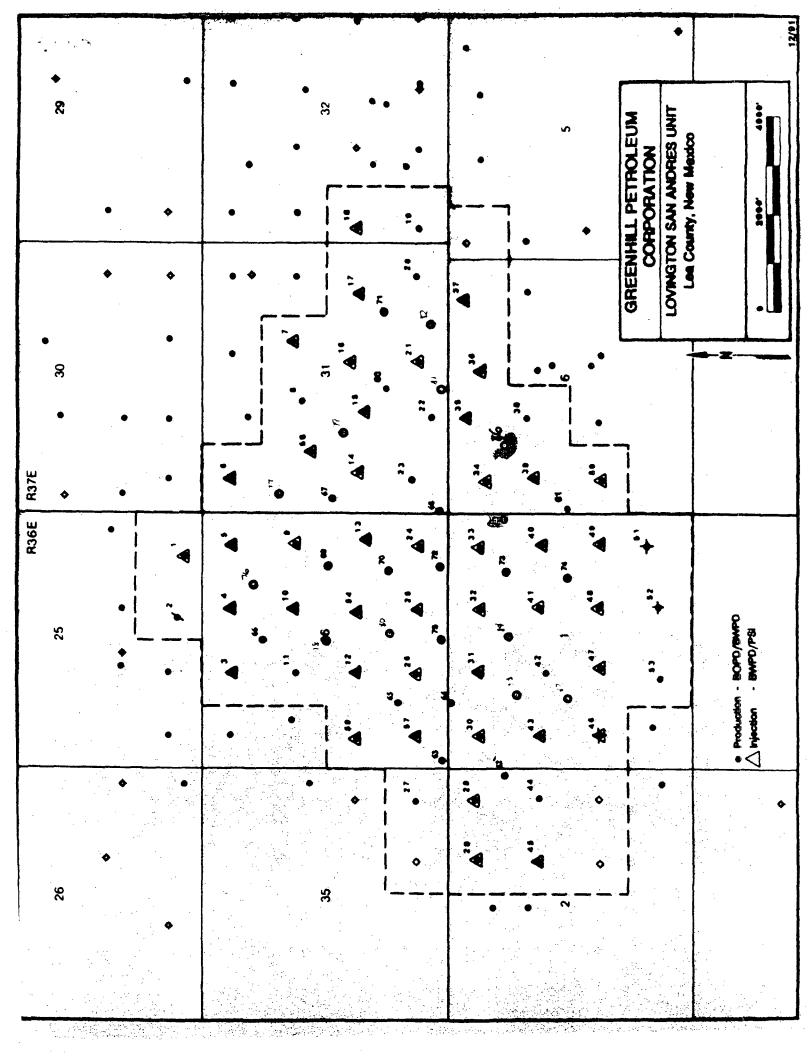
·**T** 

### CASING PROGRAM

### BOP PROGRAM

<u>Size</u>	<u>Depth</u>	Wt.	Grade	<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.





11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

'92 MAH 27 AM 9 47

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:

Re:

Mr. Mike Stogner

Unorthodox Location and Drilling Permit Proposed Well Number 86 Lovington San Andres Unit Lea County, New <u>Mexico</u>

Dear Mr. Stogner:

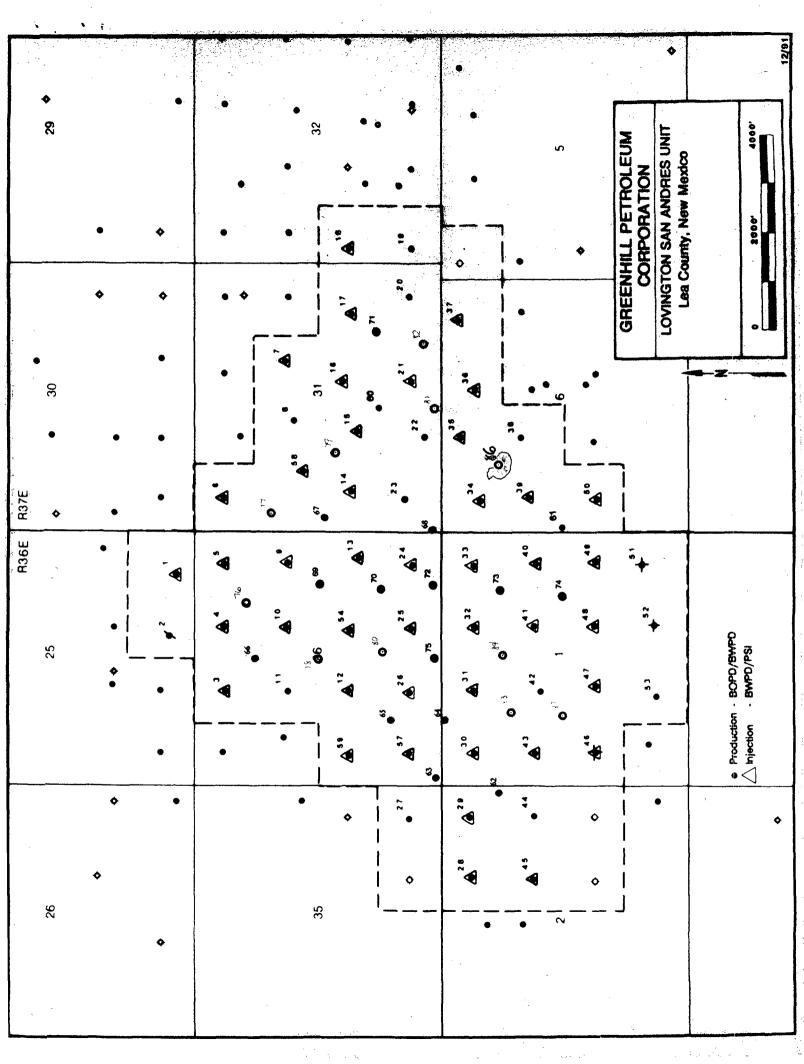
Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 86 in the Lovington San Andres Unit, located in Lea County, New Mexico.

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 86 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 Land Manager-Permian Basin





11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

'92 MAX 27 AM 9 47

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 86 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 86 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 86 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 Land Manager-Permian Basin

MJN:sjs 92. 204 Enclosures

Submit to Appropriate District Office State Lease - 6 copies For Lease - 5 copies	Energy	State of New Mo , Minerals and Natural Ro	·····		Form C-101 Revised 1-1-89	
DISTRICT I P.O. Box 1980, Hobbe, NI DISTRICT II	M 88240	CONSERVATIO P.O. Box 208 Santa Fe, New Mexico	38	API NO. (assigned by OC 5. Indicate Type of Lease		
P.O. Drawer DD, Artesia, DISTRICT III 1000 Rio Brazos Rd., Azte				5 6. State Oil & Gas Lease	TATE FEE KX	
	TION FOR PERMIT	TO DRILL, DEEPEN, C	OR PLUG BACK			
1a. Type of Work:				7. Lease Name or Unit A	greement Name	
b. Type of Well:	L X RE-ENTE		PLUG BACK	Lovington San	Andres Unit	
WELL X WELL	OTHER	SINOLE ZONE	D ZONE			
2. Name of Operator			· · · · · · · · · · · · · · · · · · ·	8. Well No.	· · · · · · · · · · · · · · · · · · ·	
Greenhill	Petroleum Corp	oration		#86		
3. Address of Operator				9. Pool name or Wildcat		
11490 West	theimer, Suite	200; Houston, Tx	. 77077	Lovington Gray	burg San Andres	
	C : <u>1170</u> Feet		Line and140		West Line	
Section	o Town	ship 17 South Rad	nge 37 East	NMPM	Lea, County	
		10. Proposed Depth		Formation	12 Rolary or C.T.	
		5150		San Andres		
13. Elevations (Show whethe 3811	er DF, RT, GB, etc.)	14. Kind & Status Plug. Bond On File	15. Drilling Contracto TBD	r 16. Approx.	Date Work will start 4/92	
17.	PI	ROPOSED CASING AN	ID CEMENT PROG	RAM	•	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP	
12 1	8 5/8	24	1300′	550	Surface	
7 7/8	5 1	15.5	5150'	1000	Surface	
	· · · · · · · · · · · · · · · · · · ·		<u></u>	, <b>L</b>	<u> </u>	

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OR FLUG 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 knowledg	a and ballaf.
I hereby certify that the informatice above is true and complete to the best of my knowledg SKINATURE	Land Manager-Permian Basin DATE 3-23-92
, , , , , , , , , , , , , , , , , , , ,	(713)
TYPEOR PRINT NAME Michael J. Newport	TELEPHONE NO.589-8484

TTTLE

\_ DATE

(This space for State Use)

APPROVED BY\_

CONDITIONS OF AFFROVAL, 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

OIL CONSERVATION DIVISION

DISTRICT I P.O. Box 1980, Hobbs, NM 86240

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

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

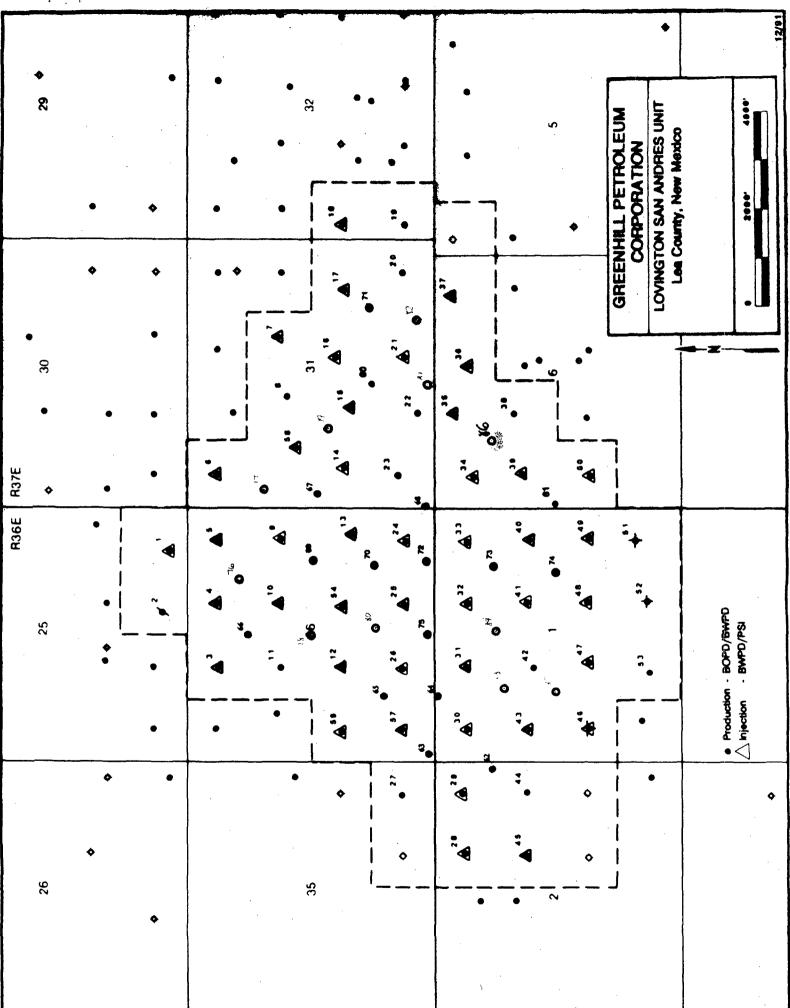
Operator			10	ase		·		Well No.	
	EENHILL PETRO	LEUM CORP.		LOVIN	IGTON SAN	ANDRES L	JNIT	86	
Unit Letter	Section	Township		nge		•	County		
C	6	17 SO	ОТН		37 EAST	NMPM		LEA	<u>.</u>
Actual Footage Loc			· .	1400			WEG	<b>T</b>	
1170 feet Ground Level Elev	t from the NO		I D	1400 ml		feet_from	the WES	line Dedicated Acreage:	
3811.9'	San Andr	es			n Grayburg	g San An	dres		40
	creage dedicated to	the subject well	by colored penc	il or hachur	e marks on th	e plat below.	· · ·	A	cres
	-	-				-		g interest and royalty	7).
	one lease of differ orce-pooling, etc.?	ant ownership is	dedicated to th	e well, have	the interest of	of all owners	been consol	idated by communitiz	ation,
<b>XXX Yes</b>		If answer is	yes" type of c	onsolidation	<u> </u>	unitized			
If answer is "no this form necess	" list of owners an ary.	d tract description	ons which have	actually be	en consolidate	ed. (Use reve	rse side of		
No allowable w								hitization, forced-po	ooling.
[ [ ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ]				r				OR CERTIFICATI	ON
	!]	9		ļ				by certify the the infor in is true and complete	
	-01	<b>/</b> #35						nviedge and bellef.	
# <sup>34</sup>				I I	-		Signature	/ / a/ /	
			•	i			Printed Nam	al thingt	
1400				1				J. Newport	
							Position	Deumien	Peri
	<b>S</b>	#38		1			Land Mar. Company	ager-Permian	basii
		=103°17'39"		i				<u>l Petroleum C</u>	orp.
#3	Q (	32°52'05"		l			<b>Date</b> 3-23-92		
	. 1					·   F	SUDVEV	OR CERTIFICATIO	
		-							
	i ·				÷.,			'y that the well location vas plotted from field n	
ļ	. 1			i	* <b>u</b>	11	-	-	der my
	I			i			correct to t	nd that the sume is to he best of my knowled	dge and
	1			1			bellaf.		
	1			1			Date Survey		
	ļ						FLBP Signature	RUARY 20, 1992	
	· + 1	+		<u>-</u> + ·			Professiona		
				I				AND AND	
	i i			i			MATT		
				l				ANO.0 A	
				1			Contel	1- 1- Witte	<u>~</u>
1							Certificate		676 3239
							TI Po	MEARY LNIONS	7977
0 330 660	990 1320 1650	1980 2310 264	0 2000	1500	1000 50	0 0	THE ST	710 J. EIDS	
								minim	

#### GREENHILL PETROLEUM CORPORATION BOP PROGRAM FOR LOVINGTON SAN ANDRES UNIT NUMBER 86

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

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

sjs:s 92.222



RECEIVED

11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

Incorporated in Delaware, U.S.A.

'92 MAH 27 AM 9 47

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:

Re:

Mr. Mike Stogner

Unorthodox Location and Drilling Permit Proposed Well Number 87 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 87 in the Lovington San Andres Unit, located in Lea County, New Mexico.

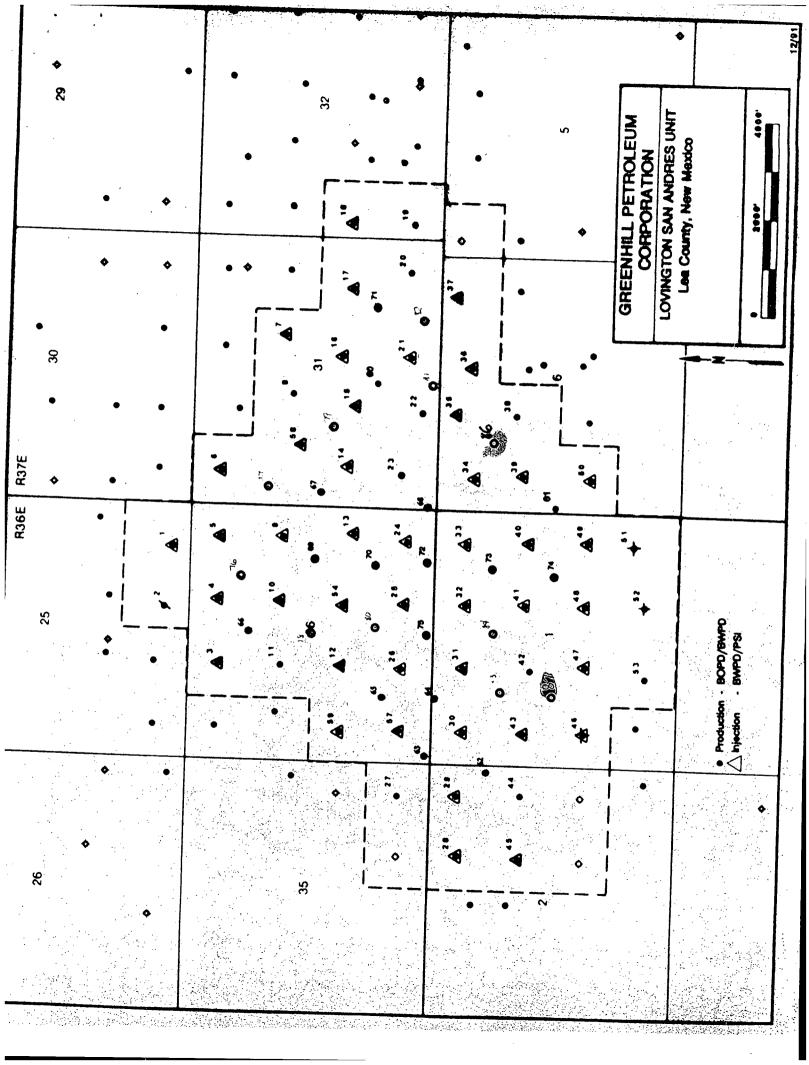
The Lovington San Andres Unit is presently developed and being waterflooded utilizing a 40-acre well density. It is believed that infill development using a 20-acre well density will improve waterflood sweep efficiency and will increase secondary oil recovery. The proposed location for Well Number 87 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. Néwport Land Manager-Permian Basin

MJN:sjs 92. 204 Enclosures





REL: JED

11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

Incorporated in Delaware, U.S.A.

192 MAH 27 AM 9 47

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 87 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 87 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 87 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. Néwport Land Manager-Permian Basin

MJN:sjs 92. 204 Enclosures

Submit to Appropriate District Office State Lease - 6 copies For Lease - 5 copies		State of New Me Minerals and Natural Re	esources Department			Form C-101 Revised 1-1-89	
DISTRICT I P.O. Box 1980, Hobbs, N	M 88240	CONSERVATIC P.O. Box 208 Santa Fe, New Mexico	38	API NO. ( as	signed by OCI	D on New Wells)	
DISTRICT II P.O. Drawer DD, Artesia,		Santa Fe, New Mexico	87304-2088			ATE XX FEE	
DISTRICT III 1000 Rio Brazos Rd., Azte	x, NM 87410	·	·	6. State Oil B 155	<b>&amp; Gas Lease</b> 53	No.	
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN, C	OR PLUG BACK				
Ia. Type of Work:	· · · ·			7. Lease Na	ime or Unit Ag	preement Name	
DRILL b. Type of Well:		<u> </u>	PLUG BACK	Loving	ton San	Andres Unit	
WELL X WELL	OTHER	SINCLE ZONE					
2. Name of Operator				8. Well No.			
	Petroleum Corp	oration	_ <del></del>		#87 9. Pool name or Wildcat		
3. Address of Operator		300 · 11 · m	77077				
	theimer, Suite	200; Houston, Tx	. //0//	Lovingt	on Gray	ourg San Andres	
4. Well Location Unit Letter]	FF eet F	rom The North	Line and146	2 Feet	From The	West Line	
Section	1 Towns	thip 17 South Ran	nge 36 East	NMPM		Lea, County	
<i>\}}}}}</i>				Formation	///////	12(Rotary)or C.T.	
		10. Proposed Depth 5150'	11.	San Andr		12 Rodry or C.1.	
13. Elevations (Show whethe	ur DF. RT. (GR) evc.)	4. Kind & Status Plug. Bond	15. Drilling Contracto			Date Work will start	
3830		On File	TBD			/92	
17.	PR	OPOSED CASING AN	ID CEMENT PROG	RAM		·	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF	CEMENT	EST. TOP	
12 2	8 5/8	24	1300 '	55		Surface	
7 7/8	5 2	15.5	5150 *	100	0	Surface	
	[	l	······································	<u> </u>			

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OR FULIO BACE, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, # ANY.

.

I hereby certify that the	information above is true and complete to the best of my	knowledge and belief.
SIGNATURE	information above is true and complete to the best of my	Land Manager-Permian Basin parts 3-23-92
		(713)
TYPE OR PRINT NAME	Michael J. Newport	TELEPHONE NO.589-8484
	······································	

. .

DATE

(This space for State Use)

APTROVED BY ...

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

.

#### OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I P.O. Box 1980, Hobbs, NM 86240

DISTRICT\_II P.O. Drawer DD, Artesia, NM 88210

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

DISTRICT III 1000 Rio Brazos Ed., Astec, NM 87410

All Distances must be from the outer boundaries of the section

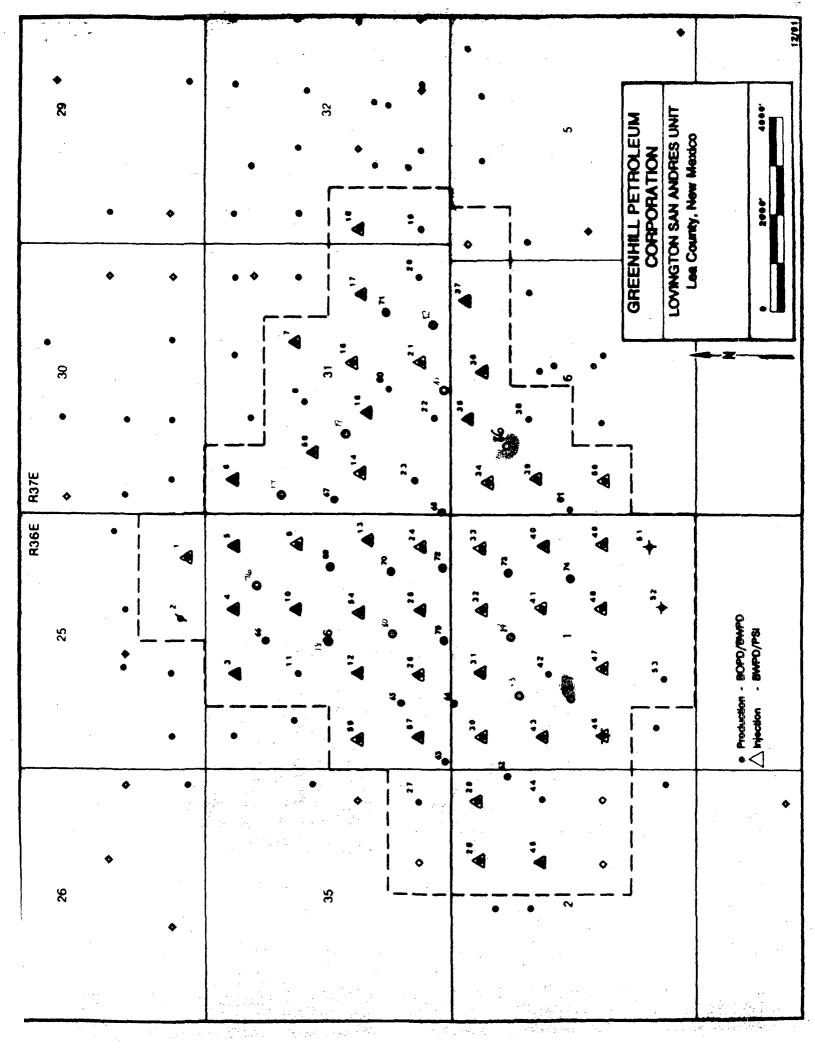
Operator	<u></u>		Lease				Well No.
	eenhill Petro	leum Corp.	Lovington San Andres 8				87
Unit Letter	Section	Township	Range			County	<u>.</u>
F	1	17 South	36	East	NMPM		Lea
Actual Footage Loc	cation of Well:	1				<b>.</b>	
2515	t from the nort	h line and	1462		fact from	the west	line
Ground Level Elev			Pool		INC HOLL	WESL	Dedicated Acreage:
	-		Turning	Current	- 6 4-	1	(0)
3830.0'	San Andr			<u>on Graybur</u>			<u>40 Acres</u>
1. Outline the a	creage dedicated to	the subject well by colored	pencil or baca		e pint below.		
2. If more than	one lease is dedica	ted to the well, outline ea	ch and identify	the ownership th	nereof (both	as to workin	g interest and royalty).
		ent ownership is dedicated	to the well, ha	we the interest o	f all owners	peer corre	idated by communitization,
	force-pooling, etc.?				,		
XX Yes	No No	If answer is "yes" type	of consolidation	a			·····
If answer is "no	o" list of owners an	d tract descriptions which	have actually	been consolidate	d. (Use reve	rse side of	
this form necess							
		the well unit all intere ed unit, eliminating such					nitization, forced-pooling,
			montore, more				
-	14				· ]	OPERA	FOR CERTIFICATION
	11			1		I her	eby certify the the information
	il			Ì			vin is true and complete to the
				1		boot of my in	usurindge and balls.
· ·						<b>0</b> 1	
						Signature	I IM A
						- Jul	hay thigh
	12					Printed Naz	
				· •			J. Newport
			· ·			Position	
					`b	and Man	<u>ger-Permian Basin</u>
		l				Company	
		Long=1	03°18'40"	I		Greenhil	1 Petroleum Corp.
43 •			32°51'50"			Date	
	· 0.7. 10 <sup>5</sup>		52 51 50			3-23-92	
	-9.7. TA9				1 F		
146					11	SURVEY	OR CERTIFICATION
	+		· · · · ·			7 homebu comt	the that the well foundless shows
	i \.					• • • • • • • • • • • • • • • • • • • •	ity that the well levation shown was pietted from field wates of
		a,				artual survey	s made by me or unider my
		Ň I				supervison,	and that the same to true and
	l	47				correct to (	the best of one bnowledge and
		•47				boliaf.	
	1					Date Surve	yed
· ·	·					Febru	ary 26, 1992
	· 1				·		
F	+					Profession	t Beel of a <u>Barveyor</u> cD LAND s <sup>a s s s s s s s s s s s s s s s s s s </sup>
	$\sim$ $\sim$ 1						ED LAND THE
	<b>I</b> ,					N 20	10000000 0000
}	. 1					N	
	· · ·					in the second	No. 131
1	1						12 6 17 3
	I					amile	X T. Conden
	1					Cattinoate	LIDIN N. WEST. 676
`	i					1 E. Ps	HOBALD A RIDGON, 3239
							4/
0 330 660	990 1320 1650	1960 2310 2640	<b>2000 1500</b>	1000 50		W.O.	92-41-10248
					-	W.U.	JC→'F1'+UC40

#### GREENHILL PETROLEUM CORPORATION BOP PROGRAM FOR LOVINGTON SAN ANDRES UNIT NUMBER 87

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

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

sjs:s 92.222





11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

OIL CONSERVACION DIVISION RECEIVED

Incorporated in Delaware, U.S.A.

'92 MAH 27 AM 9 47

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:

Re:

Mr. Mike Stogner

Unorthodox Location and Drilling Permit Proposed Well Number 88 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 88 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 88 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.

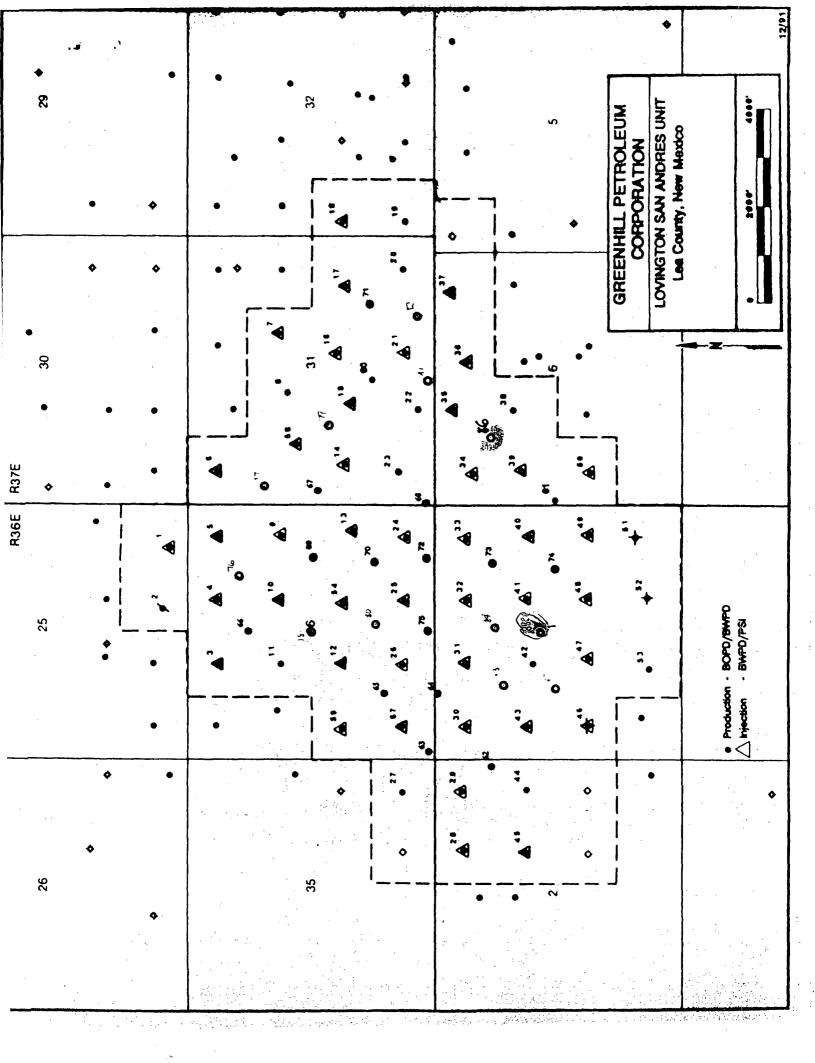
Greenhill Petroleum Corporation wishes to commence drilling operations on the proposed well as soon as possible and would appreciate a response to this request at your earliest convenience.

Respectfully yours,

chael J. Newport

Land Manager-Permian Basin

MJN:sjs 92. 204





11490 WESTHEIMER ROAD, SUITE 200 HOUSTON, TEXAS 77077-6841 TELEPHONE (713) 589-8484 FAX. (713) 589-7892

OIL CONSERVE ON DIVISION RECEIVED

incorporated in Delaware, U.S.A.

'92 MAH 27 AM 9 47

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 88 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 88 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 88 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

Land Manager-Permian Basin

MJN:sjs 92. 204

Submit to Appropriate District Office State Lease – 6 copies Fee Lease – 5 copies		State of New Me Minerals and Natural Re		Form C-101 Revised 1-1-89	
DISTRICT I P.O. Box 1980, Hobbs, NA	1 88240	P.O. Box 208	38	API NO. ( assigned by OC	D on New Wells)
DISTRICT <sup>7</sup> II P.O. Drawer DD, Artesia, 3		anta Fe, New Mexico	87304-2088	5. Indicate Type of Lease ST	
DISTRICT III 1000 Rio Brazos Rd., Azte	c, NM 87410		·	6. State Oil & Gas Lesse B 1553	No.
APPLICAT	TION FOR PERMIT T	O DRILL, DEEPEN, O	OR PLUG BACK		
la. Type of Work:		·····		7. Lease Name or Unit A	greement Name
DRILL b. Type of Weil:	L 🕅 RE-ENTER	DEEPEN	PLUG BACK	Lovington Sar	n Andres Unit
WELL XX WELL	OTHER	SINCLE ZONE			
2. Name of Operator G	reenhill Petrole	eum Corporation		8. Well No. 88	
3. Address of Operator	······			9. Pool name or Wildcat	
11490 Westheime	er, Suite 200, H	louston, Texas	77077	Lovington Gray	burg San Andres
4. Well Location Unit Letter	: 2,522 Feet Fr	om The North	Line and 2,60	0 Feet From The	West Line
Section	] Towns	up 17S Rar		MPM Lea	County
		10. Proposed Depth	5,150 ft. <sup>11. F</sup>	San Andres	12 Roary of C.T. Rotary
13. Elevations (Show wheth 3,827.7 f		4. Kind & Status Plug. Bond On file	15. Drilling Contractor TBD	1	Date Work will start 4/92
17.	PR	OPOSED CASING AN	ID CEMENT PROGR	······································	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4	8-5/8	24	1,300 ft.	550	Surface
7-7/8	5-1/2	15.5	5.150 ft.	1,000	Surface
L	'			L	

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OR FLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, # ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.	and Manager Permian Basin
TYPEOR FRINT NAME Michael J. Newport	713 TELEPHONE NO. 589-8484

\_\_ DATE \_

(This space for State Use)

APPROVED BY \_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate District Office State Exase - 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., Astec, NM 67410

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

<sup>Operator</sup> GR	EENHILL PETRO	LEUM CORP.	L	ease LOVIN	GTON SAN A	NDRES L	INIT	Well No. 88
Unit Letter	Section	Township 17 SOUTH		ange	TE EAST		County	LEA
r Ictual Footage Loc	ation of Well:	17 SOUTH			36 EAST	NMPM		
2522 fee	t from the NOF	RTH line and		2600		feet from	the WES	line
round Level Elev	· Producing For	an Andres		ool Lovingto	n Grayburg	San Δ	ndros	Dedicated Acreage: 40
3827.7'				·····				40 Acres
		the subject well by co						
2. If more than	one lease is dedica	ted to the well, outling	ne each ai	nd identify th	e ownership the	reof (both	as to workin	ng interest and royalty).
	one lease of differe orce-pooling, etc.?	ent ownership is dedic	cated to t	he well, have	the interest of Uniti		been consol	idated by communitization,
🔀 Yes	No No	lf answer is "yes"	type of c	onsolidation				
if answer is "no this form necess		d tract descriptions	which hav	e actually be	en consolidated.	(Use reve	rse side of	
No allowable w	ill be assigned to	the well unit all in d unit, eliminating :	nterests 1	lave been co	onsolidated (by	commun the Divisio	itization, u	nitization, forced-pooling,
VI 4					- approved by			TOR CERTIFICATION
	l	<b>N</b>		1				sby certify the the information
	i			i			contained her	ein is true and complete to the
				i			cest of my im	owiedge end bellef.
				Í			Signature	I INA A
	. 1			1		-	Printed Nar	has filmpent
	1	22.		1		- 11		JNewport
				+		r	Position	
		=103°18'27		ļ		1 · L		nager-Permian Basi
		32°51'51"		l			Company Greenhi	11 Petroleum Corp.
							Date	
1	1		şi, <b>*</b> #	"			03,	/23/92
	2600'	434. 49.	•				SURVEY	OR CERTIFICATION
	2800						T haveler cardi	fy that the well location shown
	1		ion .	1				was plotted from field notes of
	ļ	1018					•	s made by me or under.my ind that the same is true and
	· 1	€ #47	`` <b>`</b> ,	HB )			correct to t belief.	he best of my knowledge and
	i	•	•	1		┊	Date Surve	
	· 1			İ				ARCH 4, 1992
<b> </b>		+_		· — — + -		· — -	Signature 4 Professions	
								\$\$\$11151111
				1			1111769	ED LAND"
	Ì	ļ						
				I			Hon	1 to them
	l i	1		ļ		[	Cortificato	RONALD J. EIDSON, 3239
				l		≡¦ L	Fr. p. 4	RONALD J. EIDEDN. 3239
0 330 660	990 1320 1650	1980 2310 2640	2000	1500	1000 500	6	THIN AN	92-11-0249
	· · ·							Comments and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second

#### GREENHILL PETROLEUM CORPORATION BOP PROGRAM FOR LOVINGTON SAN ANDRES UNIT NUMBER 88

CASING PROGRAM

#### BOP PROGRAM

<u>Size</u>	<u>Depth</u>	<u>Wt.</u>	Grade	<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

