

GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

September 5, 1990

80 FAL- 1325 FUL - In only 5 fut from There of the Offels

6-1-175-366

Oil Conservation Division

State of New Mexico

Energy, Minerals and Natural Resources Dept.

P. O. Box 2088

Santa Fe, New Mexico 87504-2088

Attn: Mike Stogner

Lovington San Andres Unit Area Re:

Lea County, New Mexico

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

Respectfully yours,

GREENHILL PETROLEUM CORPORATION

offset operators have been notified.

Michael J. Newport

Landman

MJN:ntd Enclosures LSA022



GREENHILL PETROLEUM CORPORATION ER ...

12777 JONES ROAD, SUITE 375

N DIVISIO NHOUSTON, TEXAS 77070
TELEPHONE (713) 955-1146
FAX (713) 955-5105

REGE JED

'90 SEP 25 AM 8 40

Incorporated in Delaware, U.S.A.

September 19, 1990

80 FAL - 1325 FWL C-1-175-36E

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

Attn: Michael Stogner

Re:

Lovington San Andres Les County, New Mexico

Dear Mr. Stogner:

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

Very truly yours,

Michael J. Newport

Landman

MJN:JB

Enclosures

1 4 . Į, 7 į, Phillips Anested Americal 6:1 Acres . Partie. Bill of bullion Contalidate Oil 1 6-1 ¥~40} Cheels Cheels ž America cheven Hunt franti 199 Intern P. Co. tolento, Partite Fr Hunt 01 Chevren. Ç....) Permit Tates Ameto 1. felber . solie for Merity Meabury Consco 12 7. 1.5 Die Caband 11/2 Tallit, ć Ţ Brank & 4 **:** , R36E R37E cilles Child Fort 1 Ya. ŧŝ + 1 5 + Ten.e ٤ Sohio 16 Prodiging 11900 Condo Ecpli 5. h: <u>.</u> 7. ž ž. ž. Ŧ F 25 Sile Van Tio oil Sehie Triace Pening **"**⊲ 1 king sere i la Sala Sala Property Property SV83 1 81A 12 ¥ Į., 35 立芸 \$28 Erren Beenwille Facts o 1990 to Ameto 1 Kates Fred Turner Oller rates 1.45 Exten ď

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Submit to Appe prize District Office State Lease — I popie Foe Lease — S. Spaer

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101

DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240 DISTRICT'II

OIL CONSERVATION DIVISION
P.O. Box 2088
Sama Fe, New Mexico 87504-2088

Revised 1-1-89

API NO. (assigned by OCD on New Wells)

5. Indicate Type of Lesse

P.O. Drawer DD, Artesia,	NM 88210	•		l	57	TATE (FEE L
DISTRICT III 1000 Rio Brazos Rd., Azte	c, NM 87410			6. State Oil B 1	& Gas Lease 553	No.	
APPLICA	TION FOR PERMIT T	O DRILL, DEEPEN, C	OR PLUG BACK				
la. Type of Work:				7. Lease Na	me or Unit A	greement Name	
DRILL b. Type of Well: OIL GAS WELL X WELL	L \ RE-ENTER	DEEPEN SINGLE ZONE	PLUG BACK MULTIPLE ZONE	Loving	ton San	Andres	
2. Name of Operator		· · · · · · · · · · · · · · · · · · ·		8. Well No.			
Greenhill Petr	roleum Corporati	ion		64			
3. Address of Operator				9. Pool nam	e or Wildcat		
16010 Barker's	Point Lane, St	e. 325. Houston	Texas 77079	Lovingto	on Grayb	ourg San A	Indres
4. Well Location Unit Letter C	: 80 Feet Fr		Line and 13	*	From The _	West	Line
Section 1	Towns	ութ 17 South Ram	_{ige} 36 East	NMPM	Lea		County
		10. Proposed Depth	· 1	11. Formation	_	12. Rotary or C.7	
		5100		San Andres		Rotary	
13. Elevations (Show whether 3827.4 GR		4. Kind & Status Plug. Bond Blanket on File	15. Drilling Contra TBD	ctor		Date Work will sta 0/1/90	ut .
17.	PR	OPOSED CASING AN	ID CEMENT PRO	GRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	H SACKS OF	CEMENT	EST. TO	OP
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ABOVE SPACE DESCRIBE PROPOSED PROGRAM: FIN NE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.	•	ENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUC
entry certify that the information above is true and complete to the best of	f my knowledge and belief.	DATE 9/13/90
ECRIPATIONE Michael J. Newport	III.	7/3 455/146 TELEPHONE NO.
a space for Stata Use)		
ROYED BY	· mæ	DATE
NOTIONS OF APPROVAL, IF ANY:		

Schedit to Appropriate
District Office
State Lance - 4 copies
Per Lance - 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

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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., Aziec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

GREENHILL PETROLEUM CORP. Lovington San Andres Unit 64 County County County County Lea	Operator			Lace				Wall No.
Actual Footage Louisins of Well: 80 foat from the North line and 1325 feet from the West line 80 foat from the North line and 1325 feet from the West line 80 foat from the North line and 1325 feet from the West line 80 foat from the North line and 1325 feet from the West line 80 foat from the North line and 1325 feet from the West line 80 foat from the North line and 1325 feet from the West line 80 foat from the North line and 1325 feet from the West line 80 foat foat the North line and 1325 feet from the West line 80 foat foat the North line and 1325 feet from the West line 80 foat foat the North line and 1325 feet from the West line 80 foat foat the North line and 1325 feet from the West line 80 foat line and 1325 feet from the West line 80 feet from the West line 80 foat line and 1325 feet from the West line 80 feet from the North line	-	LL PETROLEUM CORP.			ngton San	Andres Uni	.t	
Actual Possage Londing of Well: 80 Foot from the North line and 1325 feet from the West line Ground level Elev. 327.4 1. Outline the acrossed dedicated to the subject well by colored pencil or hackuse marks on the plat below. 2. If more than one lease is dedicated to the subject well by colored pencil or hackuse marks on the plat below. 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners bose consolidated by communitization, force-pooling, etc.? Yes No If newer is "yes" type of consolidation lite from the subject well by colored pencil or hereby services and record descriptions which have actually been consolidated. (Use reverse side of this from if soccessing.) No allowable will be satigated to the well util all interests have been consolidated (by communitization, forced-pooling, or otherwise) or util a non-standard unit, eliminating such interest, have been approved by the Division. 1325 80 39.85 0 39.95 1325 80 OPERATOR CERTIFICATIO I haraby certify that the information in true and complete been of my homodesige and being. Signature Activity for Sat Activity Level 10 10 1 haraby certify that the order contained haraby in true and complete been of my homodesige and being. Signature Signature Signature Signature & Sat Sat Control I hereby certify that the well location on this plate was plated from plat and activity for the order contained haraby my more used and narrown made by my more used contained narrown made by my my or used contained narrown made by my my more and contained narrown made by my my or used to the standard provided and possage and being. Date Surveyed August 20, 195 Signature & Sat John Possage August 20, 195 Signature & Sat John Possage August 20, 195 Signature & Sat John Possage August 20, 195			7 South		East		-	
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Greenhill Peter Corp.	1725		<u>्</u>			c	PERATO	OR CERTIFICATION
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Levington Son Andres 1906			660'FNL	-2310 FWL	į Į	Printe	d Name	
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Speck: 1112/39 Louington 66/5h Completion Stare E Tract 18 Will No. 15 330 'Enc. 2310 'FWL Seed: 1015/52 Louington Ab. Comp. I hereby certify that the well location on this plat was plotted from field no actual surveys made by me or under supervison, and that the same is true correct to the best of my knowledge belief. Date Surveyed August 20, 195 Signature & Seal. of Professional Surveyor OFESS///	Unit Well No. 3.		Lovingfor	Paddock		Postk	. /	·
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Submit to Appr print District Office State Lease — I popie Fee Lease — I pape

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION P.O. Box 2088

Form C-101 Revised 1-1-89

API NO. (assigned by OCD on New Wells)

1.0. Day 1,00, 1100,02 1.0	115 00210	Company N. A.C. Com	07504 2000		
DISTRICT II P.O. Drawer DD, Artesia,		Santa Fe, New Mexico	8/304-2008	5. Indicate Type of Less S	TATE X FEE
DISTRICT III 1000 Rio Brazos Rd., Azze	sc, NM 87410		•	6. State Oil & Gas Lease B 1553	
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN, O	OR PLUG BACK		
la. Type of Work:				7. Lease Name or Unit A	greement Name
b. Type of Well:	L 💭 RE-ENTE	C DEEPEN [FLUG BACK		
MET X MET [OTHER	SINGLE ZONE	ZONE L	Lovington San	Andres .
2. Name of Operator Greenhill Peti	roleum Corporat	ion		8. Weil No. 64	
3. Address of Operator		te. 325. Houston	Texas 77079	9. Pool name or Wildcau Lovington Gray	burg San Andres
4. Well Location Unit Letter C	: 80 Feet 1		Line and 1325	,	West Line
Section 1	Town	ship 17 South Rai	age 36 East	NMPM Lea	County
				//////////////////////////////////////	12. Rotary or C.T.
		10. Proposed Depth 5100		an Andres	Rotary
13. Elevations (Show wheth 3827.4 GR	er DF, RT, GR, etc.)	14. Kind & Status Plug. Bond Blanket on File	15. Drilling Contractor TBD		Date Work will start 0/1/90
17.	PF	ROPOSED CASING AN	ID CEMENT PROGR	MAF	1864
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	24	350'	300	Surface
7.7/8	5 1/2	15.5	5100'	500	3000'

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: PPROPOSAL ZONE DIVENEUM PREVENTER PROGRAM, P ANY.	. IS TO DEEPEN OR FLUX	BACK, GIVE DATA ON PRESENT PRODUK	TITYE ZONE AND PROPOSED NEW PRODUCTIVE
I hereby certify that the information above is true and complete to the best of my known with the first of the best of my known with the second secon	_	Landman	DATE 9/13/90
TYPEORPRINTHAME Michael J. Newport		•	7/3 455/146 TELEPHONE NO.
(This space for State Use)			
APTROVED BY	muz		DATE
CONDITIONS OF APPROVAL, IF ANY:		•	•

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DISTRICT I P.O. Box 1980, Hobbs, NM 88240 OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section Well No. GREENHILL PETROLEUM CORP. Lovington San Andres Unit 64 Unit Letter Section Range 17 South 36 East Lea Actual Footage Location of Well: 1325 North West feet from the line feet from the Dedicated Acreage: **Producing Formation** Ground level Elev. Pool 3827.4 Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hackure 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.? If answer is "yes" type of consolidation Yes No If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if neccessary. No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. **OPERATOR CERTIFICATION** -1325 **'80**' 46 h W I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief. Printed Land Company Date SURVEYOR CERTIFICATION I hereby certify that the well location shi on this plat was platted from field notes of actual surveye made by me or under my ervison, and that the same is true and correct to the best of my knowledge and belief. August 20, 1990 Signature & Seal o 3239 1650 1980 2310 2640 1500 330 990 1320 2000 500 0 660

Submit to Apper paint District Office State Lease — I popie For Lease — S. Speer

State of New Mexico. Energy, Minerals and Natural Resources Department

Form C-101 Revised 1-1-39

DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240

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

DISTRICTIII

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

API NO. (assigned by OCD on New Wells) 5. Indicate Type of Lease STATE X FEE

6. State Oil & Gas Lease No.

1000 Rio Brazos Rd., Azte	C, NM 87410			B 1553	
APPLICA	TION FOR PERMIT T	O DRILL, DEEPEN, O	OR PLUG BACK		
12. Type of Work:				7. Lease Name or Unit A	greement Name
b. Type of Well:	L RE-ENTER	DEEPEN [PLUG BACK		
OIL OAS WELL	OTHER	SINGLE ZONE	MULTIPLE	Lovington San	Andres .
2. Name of Operator				8. Well No.	
Greenhill Petr	roleum Corporati	ion	•	64	
3. Address of Operator	·	· · · · · · · · · · · · · · · · · · ·	<u> </u>	9. Pool name or Wildcat	`
16010 Barker's	Point Lane, St	te. 325. Houston	. Texas 77079	Lovington Gray	burg San Andres
4. Weil Location Unit Letter C	• .	om The North	Line and 1325		West Line
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		10. Proposed Depth 5100	1 *	an Andres	Rotary
13. Elevations (Show whether 3827.4 GR		4. Kind & Status Plug. Bond Blanket on File	15. Drilling Contractor TBD	16. Approx.	Date Work will start 0/1/90
17.	PR	OPOSED CASING AN	ID CEMENT PROGR	RAM	•
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	24	350'	300	Surface
7 7/8	5 1/2	15.5	51001	500	3000'
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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY,	L IS TO DEEPEN OR!	PLUG BACK, GIVE DATA ON PRESENT PRODO	UCTIVE ZONE AND PROPOSED NEW PRODUCT
I hereby certify that the information above is true and complete to the best of my k SIGNATURE Richard Laugust	nowledge and belief	i. Landman	DATE 9/13/90
THEORPHININAME Michael J. Newport			7/3 455/146 TELEPHONE NO.
(This space for State Use)			
APTROYED BY	TITLE		DATE

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

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

DISTRICT II P.O. Derwer DD, Artesin, NM 88210

WELL LOCATION AND ACREAGE DEDICATION PLAT All Distances must be from the outer boundaries of the section

Operator		·				Leane		····		Well No.
	HILL	PETROI	LEUM COR	P.			ington	San Andre	s Unit	64
					·					<u> </u>
Unit Letter C	Section	1 .	Township	17	South	Range	6 East		County	2
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2. If more	than or	e lease is de	dicated to 🕾	well, ou	tline each and	identify the o	waership the	reof (both as to w	rorking interest and	royalty).
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Submit to Appr District Office State Lease — I

State of New Mexico Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Sama Fe, New Mexico 87504-2088

Form	C	-10	10	
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P.O. Drawer DD,	Antesia, NM	38210	
DISTRICT III			

5. Indicate Type of Lease STATE X 6. State Oil & Gas Lease No.

API NO. (assigned by OCD on New Wells)

1000 Rio Brazos Rd., Azze	c, NM 87410	· · · · · · · · · · · · · · · · · · ·		B 1553	
APPLICAT	TION FOR PERMIT	TO DRILL, DEEPEN, (OR PLUG BACK		
la. Type of Work:				7. Lease Name or Unit A	greement Name
b. Type of Well:	L RE-ENTER	DEEPEN	PLUG BACK		
MET X MET OVE	OTHER	SINGLE ZONE	MULTIPLE	Lovington San	Andres .
2. Name of Operator				8. Well No.	•
Greenhill Petr	roleum Corporat	ion		64	
3. Address of Operator				9. Pool name or Wildcan	•
16010 Barker's	<u> Point Lane, St</u>	te. 325. Houston	. Texas 77079	Lovington Gray	burg San Andres
4. Well Location Unit Letter C	: 80 Feet Fr	om The North	Line and 1325	Feet From The	West Line
Section 1	Towns	hip 17 South Ra	nge 36 East	nmpm Lea	County
		10. Proposed Depth 5100		f ormulos an Andres	12 Rosey or C.T. Rotary
13. Elevations (Show whether 3827.4 GR.		4. Kind & Status Plug. Bond Blanket on File	15. Drilling Contractor TBD		Date Work will start . 0/1/90
17.	PR	OPOSED CASING AN	ID CEMENT PROGI	RAM	•
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	24	350 '	300	Surface
7 7/8	5 1/2	15.5	5100'	500	3000'

IN ABOVE SPACE DESCRIP ZONE, GIVE BLOWOUT PREVENTE I harmy certify that the infogratio	R PROGRAM, IF ANY.		<u> </u>		rt fraductive zone and proposed new produc
	J. Lemport		mu	Landman	DATE 9/13/90 7/3 455/146 TELETHONE NO.
(This space for State Use)	chael J. Newp	ort			TELEFFICIENC
APPROVED SY					DATE

State of New Mexico Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator			Lease .			Well No.
GREENHI	LL PETROLEUM CORP.		Lovi	ngton San Ar	dres Unit	64
	rtion ; Township		Range	73 4	County	
C		South	30	East	NMPM Lea	· · · · · · · · · · · · · · · · · · ·
Actual Footage Location 80	North		132	5	West	44
Ground level Elev.	Producing Formation	line and	Pool		feet from the WESE	line Dedicated Acreaga:
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	acreage dedicated to the subject well	by colored peac	il or hachuse m	arks on the plat below	7,	Aces
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	a one lease of different ownership is o	dedicated to the	well, have the i	sterest of all owners l	been consolidated by comm	nunitization,
Ye.	force-pooling, etc.? No If ans	wer is "yes" type	of consolidation	X	·••	·
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this form if no No allowable a	ccessary. will be assigned to the well until all is	nterests have hee	m consolidated	(by communitization.	unitization forced-nooling	or otherwise)
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Submit to Appropriate District Office State Lease — 1 Expire For Lease — 5. Space

State of New Mexico Energy, Minerals and Natural Resources Department

API NO. (assigned by OCD on New Wells)

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe. New Mexico 87504-2088

Revised 1-1-89

DISTRICT II P.O. Drawer DD, Anesia,	the second secon	ania fe, New Mexico		5. Indicate Type of Lea	STATE E FEE
DISTRICT III 1000 Rio Brazos Rd., Azze	:c, NM 87410		•	6. State Oil & Gas Lea B 1553	se No.
APPLICAT	TION FOR PERMIT T	O DRILL, DEEPEN,	OR PLUG BACK		
12 Type of Work:				7. Lease Name or Unit	Agreement Name
DRILL b. Type of Well;	L X RE-ENTER	DEEPEN	PLUG BACK		•
MET X MET [OTHER	SINGLE ZONE	MULTIFLE ZONE	☐ Lovington Sar	n Andres
2 Name of Operator Greenhill Petr	roleum Corporati	ion		8. Well No. 64	
3. Address of Operator 16010 Barker's	s Point Lane, St	e. 325. Houston	. Texas 7707	9. Pool name or Wilden 9 Lovington Grav	vburg San Andres
4. Well Location Unit LetterC			Line and 13		West Line
Section 1	Towns	up 17 South Ra	_{nge} 36 East	NMPM Lea	1 County
		10. Proposed Depth 5100		11. Formation San Andres	12 Roury or C.T. Rotary
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7.7/8	5 1/2	15.5	5100'	500	3000
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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: ZONE, GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.	IF PROPOSAL IS TO DEEPEN OR FLUID BACK, GIVE DATA ON PRESENT IS	RODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE
I hereby certify that the information above is true and complete to the SKINATURE Prichard Lunguist	best of my knowledge and bolief. Time Landman	DATE 9/13/90
TITEORPROTTNAME Michael J. Newpor	<i>+</i>	7/3 455/146 TELEPHONE NO.
(This space for State Use)		
APPROVED BY	mre	DATE
CONTROL OF A PROPERTY OF A STATE		

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. DERWER DD, Artonia, NM 88210

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

Operator CR F	FNHTI	ו סקיים וו	LEUM CORP.		Lease	ington	San Andre	c Unit	Well No.
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Unit Letter C	Section	1	Township 1	7 South	Range 3	6 East	NM	County.	ea
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				is dedicated to th	e well, have the	interest of al	l owners been co	machidated by con	amanitization,
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							nitization, unitiza	ation, forced-pooli	ng, or otherwise)
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Submit to Appr priate District Office State Lease - 1 popie Fee Lease - 5 poper

State of New Mexico Energy, Minerals and Natural Resources Department

Form	C-101	
Revise	d 1-1-8	

P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088 API NO. (assigned by OCD on New Wells)

5. Indicate Type of Lease STATE X P.O. Drawer DD, Artesia, NM 88210 FEE 6. State Oil & Gas Lease No. B 1553 DISTRICT III
1000 Rio Brazos Rd., Aziec, NM 87410 APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 7. Lease Name or Unit Agreement Name DRILL V RE-ENTER DEEPEN | PLUG BACK b. Type of Well: MULTIPLE ZONE MET X Lovington San Andres . ZONE 2. Name of Operator & Well No. Greenhill Petroleum Corporation 64 9. Pool name or Wildcat 3. Address of Operator 16010 Barker's Point Lane, Ste. 325, Houston, Texas 77079 ovington Grayburg San Andres Well Location Line and 1325 West 80 Feet From The North Feet From The Unit Letter 36 East Lea 17 South Section Township NMPM 10. Proposed Depth 11. Formatica 12. Rotary or C.T. San Andres Rotary 5100 14. Kind & Status Plug. Bond 15. Drilling Contractor 16. Approx. Date Work will start 13. Elevations (Show whether DF, RT, GR, etc.) 10/1/90 Blanket on File TBD 3827.4 GR 17. PROPOSED CASING AND CEMENT PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH SACKS OF CEMENT EST. TOP 350¹ 300 Surface 8 5/8 12 1/4 24 3000' 5100' 500 15.5 7 7/8 5 1/2

hereby certify that the information above is true and comple	te to the best of my knowledge and bolief.	9/2/00
THE CRITETINAME . Michael J. New		DATE <u>9/13/90</u> 7/3 455/146 TELEPHONE NO.
his space for State Use)		
ATROYED BY	III.Z	DATE

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 88240

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator			LANS	1.1		Well No.
GREENHILL	PETROLEUM CORP.		Lovi	ngton San	Andres Unit	64
Unit Letter Section		South	Range 36	East	County Le	ea
Actual Footage Location of					`	
80 feet fro		line and	132	5	feet from the West	ma
Ground level Elev. 3827.4	Producing Formation	* *	Pool	**************************************		Dedicated Acreage:
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3. If more than or	e lease of different ownership is	dedicated to the	well, have the i	nterest of all owne	ns been consolidated by con	mmunitization.
unitization, force	re-pooling, etc.?			$(p_{ij} = e_{ij} + e_{ij} + e_{ij})$	•	·
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Submit to Appe prime District Office i State Lease - I propie

State of New Mexico Energy, Minerals and Natural Resources Department

Revised 1-1-89

DISTRICT I P.O. Box 1980, Hobbs, NM 88240 DISTRICT II P.O. Drawer DD, Anexis, NM 88210 OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

API NO. (assigned by OCD on New Wells)

DISTRICT III

5. Indicate Type of Lease STATE X FEE 6. State Oil & Gas Lease No.

1000 Rio Brazos Rd., Arte	C, NM 87410			B 1553	•
APPLICAT	TION FOR PERMIT T	O DRILL, DEEPEN, O	OR PLUG BACK	<i>\(\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	
ia. Type of Work:				7. Lease Name or Unit	Agreement Name
DRIL	L RE-ENTER	DEEPEN [PLUG BACK		
b. Type of Well:	7-	snat	MULTIPLE		
MET X MET [OTHER	ZONE	ZONE	Lovington San	Andres
2. Name of Operator				8. Well No.	
Greenhill Petr	roleum Corporati	on		64	
3. Address of Operator				9. Pool name or Wildcat	:
16010 Barker's	<u>Point Lane, St</u>	e. 325. Houston	. Texas 77079	Lovington Gray	<u>burg San Andres</u>
4. Well Location Unit Letter C	: 80 Feet Fr	om The North	Line and 1325	Feet From The	West Line
Section 1	Towns	_{sip} 17 South Ra	nge 36 East	NMPM Lea	County
		10. Proposed Depth 5100		F ormios San Andres	12. Roury or C.T. Rotary
13. Elevations (Show whether	OF BY CR. vial	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	15. Drilling Contracto		Date Work will start
3827.4 GR		Kind & Status Piug. Bood Blanket on File			0/1/90
17.		OPOSED CASING AN		RAM	•
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8	24	350'	300	Surface
7 7/8	5 1/2	15.5	5100'	500	3000'
L	<u> </u>	•]		<u> </u>	<u>l:</u>
	. :				

I hereby certify that the information above is true and complete to the best of my	movinings and bolist.	DATE 9/13/90
THEORIPHITANE Michael J. Newport		7/3 455//46 TELEPHONE NO.
This specs (or State Use)		
APPROVED BY	· TOLE	DATE

State of New Mexico Energy, Minerals and Natural Resources Department

DISTRICT I P.O. Box 1980, Hobbs, NM 88240 OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

GREENHII	LL PET	ROLEUM C		ices must be	Lease .	ington	San Andre		Well No.
it Letter Sect	tion 1	Towas		South	Range	6 East	• • •	County Le	a
	from the	North		line and	13	25		romathe West	iine
3827.4	Pro	tucing Formet			Pool .			•	Dedicated Acresge:
3. If more than unitization, for	one lease i	s dedicated to of different own g, etc.?	దు well, ou nership is d	atline each and	identify the overli, have the	waership the	reof (both as to w	rorking interest and	
this form if nec	o" list the or cessary rill be assig	ned to the well	t description	serests have be	en consolidate	d (by comm	(Use reverse sid	le of ation, forced-poolis	ng, or otherwise)
——————————————————————————————————————	1.5		ACI IIMETE	L, MAS OBER APP	toved by the t	AVIAGO.		OPERAT	OR CERTIFICATION
1325					•			contained here	certify that the informa in in true and complete to riedge and belief.
								Signature Printed Name	of Mund
								Position Land Company	nan
					· ,	 		SURVE	YOR CERTIFICATION
								on this plat v	fy that the well location sives plotted from field note to made by me or under and that the same is true a best of my knowledge
				 :	~	 		Date Surveyed Signature & Se	August 20, 1990
								Professional S	AND SURLAND SU
330 660 990	1320 10	50 1980 2	310 2640	200	0 1500	1000	500 0		HOWARD A EIDSON S

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GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

October 23, 1990

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

Re: Lovington San Andres

Well Nos. 64,65 and 68

Lea County, NM

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

Well Numbers: 65 and 68

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

Sincerely,

Michael J. Newport

Landman

MJN:JB Enclosures

cc: Mike Stogner

Oil Conservation Division

P.O. Box 2088

Santa Fe, NM 87504-2088

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

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

September 28, 1990

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

Attention: Michael J. Newport

RE:

Unorthodox oil well locations, Lovington San Andres Unit Well Nos. 63, 84, 65, 66 and 68, Lovington Grayburg San

Andres Pool, Lea County, New Mexico.

Dear Mr. Newport:

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

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

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

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

Greenhill Petroelum Corp. Attention: Michael J. Newport September 28, 1990

Page 2

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

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

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

Sincerely,

Michael E. Stogner

Chief Hearing Officer/Engineer

MES/ag

Oil Conservation Division - Hobbs

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

- (a) The non-standard unit consists of quarter-quarter sections or lots that are contiguous by a common bordering side.
- (b) The non-standard unit lies wholly within a single governmental quarter section if the well is completed in a pool or formation for which 160 acres is the standard unit size or wholly within a single governmental half section if the well is completed in a pool or formation for which 320 acres is the standard unit size.
- (c) The applicant presents written consent in the form of waivers from all offset operators and from all operators owning interests in the quarter section (for 160-acre pools or formations) or the half section (for 320-acres pools or formations) in which the non-standard unit is situated and which acreage is not included in said non-standard unit.
- (d) In lieu of paragraph (c) of this rule, the applicant may furnish proof of the fact that all of the aforesaid operators were notified by registered or certified mail of his intent to form such non-standard unit. The Director may approve the application if no such operator has entered an objection to the formation of such non-standard unit within 30 days after the Director has received the application.
- E. Form C-101, Application for Permit to Drill, Deepen, or Plug Back for any well shall designate the exact legal subdivision allotted to the well and no Form C-101 will be approved by the Division or any of its agents without such proper designation of acreage.

F. UNORTHODOX LOCATIONS

- I. The Division Director shall have authority to grant an exception to the well location requirements of Sections B and C above without notice and hearing when the necessity for such unorthodox location is based upon topographical conditions, the recompletion of a well previously drilled to a deeper horizon, provided said well was drilled at an orthodox or approved unorthodox location for such original horizon, or topperate the completion of an efficient production and injection pattern within a secondary recovery or pressure maintenance project, provided that any such unorthodox location within such project is no closer than 330 feet to the outer boundary of the lease or the unitized area, nor closer than 10 feet to any quarter quarter section line or subdivision inner boundary.
- II. The Division Director shall have authority to grant an exception to the well location requirements of Rule 104 B.I.(a) and Rule 104 C.II.(a) without notice and hearing when the necessity for such unorthodox location is based upon geologic conditions provided that any such unorthodox location shall be no closer than 660 feet to the nearest side boundary nor closer than 990 feet to the nearest end boundary of the proration unit.
- III. Applications for administrative approval of unorthodox locations shall be filed in triplicate and shall be accompanied by plats, showing the ownership of all leases offsetting the proration or spacing unit for which the unorthodox location is sought, and also all wells completed thereon. If the proposed unorthodox location is based upon topography, the plat shall also show and describe the existent topographical conditions. If the proposed unorthodox location is based upon completion of an efficient production and injection pattern, the plat shall also show the project outline identifying all producing and injection wells therein, and the applicant shall further include a statement setting forth the necessity for such location. If the proposed unorthodox location is based upon geology as provided in Paragraph II above, the application shall include

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

- IV. All operators of proration or spacing units offsetting the unit for which the unorthodox location is sought shall be notified of the application by certified or registered mail, and the application shall state that such notification has been given. The Division Director may approve the unorthodox location upon receipt of waivers from all offset operators or if no offset operator has entered an objection to the unorthodox location within 20 days after the Director has received the application.
- V. The Division Director may, at his discretion, set any application for administrative approval of an unorthodox location for public hearing.
- G. Whenever an exception is granted, the Division may take such action as will offset any advantage which the person securing the exception may obtain over other producers by reason of the unorthodox location.
- H. If the drilling tract is within an allocated oil pool or is placed within such allocated pool at any time after completion of the well and the drilling tract consists of less than 39½ acres or more than 40½ acres, the top unit allowable for such well shall be increased or decreased in the proportion that the number of acres in the drilling tract bears to 40.
- I. If the drilling tract is within an allocated gas pool or is subsequently placed within an allocated gas pool, and the drilling tract consists of less than 158 acres or more than 162 acres in 160-acre pools, or less than 316 acres or more than 324 acres in 320-acre pools, the top allowable for such well shall be decreased or increased in the proportion that the number of acres in the drilling tract bears to a standard unit for the pool.
- J. In computing acreage under H and I above, minor fractions of an acre shall not be counted but 2 acres or more shall count as 1 acre.
- K. The provisions of H and I above shall apply only to wells completed after January 1, 1950. Nothing herein contained shall affect in any manner any well completed prior to the effective date of this rule and no adjustments shall be made in the allowable production for any such wells by reason of these rules.
- L. In order to prevent waste the Division may, after notice and hearing, fix different spacing requirements and require greater acreage for drilling tracts in any defined oil pool or in any defined gas pool notwithstanding the provisions of B and C above.
- M. The Division may approve the pooling or communitization of fractional lots of 20.49 acres or less with another oil proration unit when:
 - 1. The units involved are contiguous;
 - 2. They are part of the same basic lease, carrying the same royalty interest; and
 - 3. The ownership of the units involved is common.

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

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

<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

rator						Lease				 j	Well No.
	GREENHILL PETROLEUM CORP.						Lovington San Andres Unit				64
Letter C	Section	1	Township	<i>x</i>	South	Range	36 East		NMPM C	Lea	
80	tion of W	/ell:	North			7	330			T.7 N	
ad level Elev.	feet from		ng Formation		line and	Pool	330.	fe	eet from the		line Dedicated Acreage:
3827.4	.		_					<i>a</i> 1	_		•
	the acres	Jan dedicate	Andr	inct well	by colored ne	acil or hachur	e marks on the	rray burg	g Jan	Anares	20 Acres
•	•				engraphisas yeri s		ownership ther		to working i	sterest and re	yalty).
unitizati If answer i this form i	ion, force Yes is "no" lis if neccess	pooling, et the owner	tc.? No rs and tract of	If ansv description	wer is "yes" typ ns which have	pe of consolid actually been	consolidated.	(Use reverse	e side of		· · · · · · · · · · · · · · · · · · ·
					st, has been app		ted (by commu Division.	milization, un	nuzation, fo	rced-pooling,	or otherwise)
I330		₽ [~] 80 							conta	I hereby o nined herein	R CERTIFICATION sertify that the informa in true and complete to be and belief.
		 							Signa	Richael Boll Name	Therput
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									Date	eenhill 0-23-90	Petroleum Corp
·		<u> </u>				,	<u> </u>			SURVEYO	R CERTIFICATION
	-								actus super	his plat was al surveys n rvison, and act to the l	that the well location she platted from field note node by me or under that the same is true best of my knowledge
			·						11 -	Owwwood	ugust 20, 1990
	 									PROF	
						e kup				GAN RON	JOHN WANTER 6

Submit to Appropriate District Office State Lease — 6 copies Fee Lease — 5 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101 Revised 1-1-89

<u>DISTRICT I</u> P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION P.O. Box 2088

API NO	(assigned	by OCD or	New	Wells)

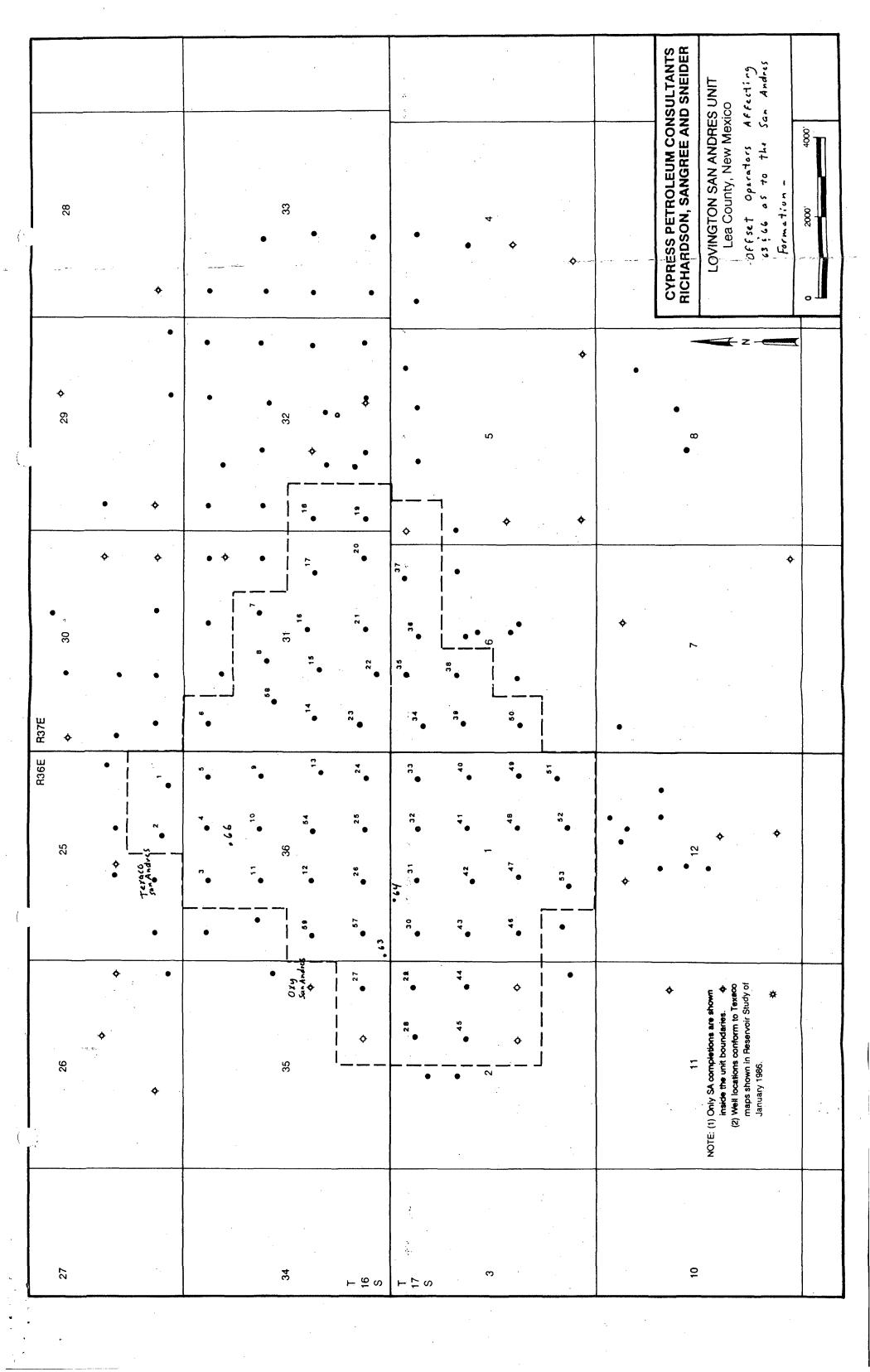
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

Santa Fe, New Mexico 87504-2088

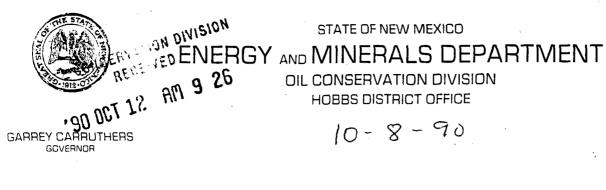
5. Indicate Type of Lease STATE XX

DISTRICT III 1000 Rio Brazos Rd., Azte	sc, NM 87410	·		6. State Oil & Gas Lei	B1553		
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK							
la. Type of Work:				7. Lease Name or Unit	7. Lease Name or Unit Agreement Name		
DRIL b. Type of Well: OIL GAS WELL XX, WELL	L 🕅 RE-ENTER	Lovington	Lovington San Andres Unit				
2. Name of Operator Greenhill	Petroleum Corp	8. Well No. 64	1 7 77 2 27				
3. Address of Operator 16010 Barkers	Point Lane, Sui	te 325, Houston,	TX 77079	9. Pool name or Wilder Lovington Gr	u ayburg San Andres		
4. Well Location Unit Letter C	: 80 Feet F	rom The North	Line and13	30 Feet From The	West Line		
Section 1	Towns	hip 17 South Rai	_{nge} 36 East	NMPM L	ea County		
			. Formation	12. Rotary or C.T.			
13. Elevations (Show wheth	OF PT GR etc.)	4. Kind & Status Plug. Bond	15. Drilling Contract	San Andres	Rotary x. Date Work will start		
		Blanket on file	<u> </u>		12/1/90		
17.		OPOSED CASING AN	D CEMENT PRO				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMEN	T EST. TOP		
12 1/4	8 5/8	24	350'	300	Surface		
7 7/8	5 1/2	15.5	5100'	500	3000'		

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # FROM 20NE. GIVE BLOWOUT PREVENTER PROGRAM, # ANY.	OSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESEN	T PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE
I hereby certify that the information above is true and complete to the best of a SIGNATURE SIGNATURE	my knowledge and belief. mslandman	DATE 10-23-90
TYPEOR FRINTNAME Michael J. Newport		TELEPHONE NO955-1146
(This space for State Use)		
APPROVED BY	mu	DATE
CONDITIONS OF APPROVAL, IF ANY:		



		,						CONSULTANTS	IDRES UNIT Mexico Aftering San Andres	, poor
	78			•	•	• •	.	CYPRESS PETROLEUM CONSULTANTS	LOVINGTON SANGREE AND SNEI LOVINGTON SAN ANDRES UNIT Lea County, New Mexico Offset Operators Affectiv 13; 14 of the San And Formation	5000
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÷	25	\$ 07027±	8 2	57 28 • 63		4		*	12	
	. 26	*	35 Ory	*	#	• <u>c</u>	•	*	NOTE: (1) Only SA completions are shown inside the unit boundaries. (2) Well locations comform to Testacomaps shown in Reservoir Study of January 1986.	
· .									NOTE (3) C	
	27	·	4.	⊢ 9 S	1 17 S	e			9	



/ed

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

10-8-90

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

	· ·
OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501	
RE: Proposed: MC DHC NSL NSP SWD WFX PMX	# 63 -M 36.16-36
	# 65-m 36-16-30
Gentlemen:	# 66 - B 36-16-3
I have examined the application for the:	
Dree hill Pet Corp. Lovington SA Unit Operator Lease & Well No. J Unit S-T-R	t #68-m-31-16-3;
and my recommendations are as follows:	
Yours very truly, Jerry Sexton	
Supérvisor, District 1	