GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

January 14, 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 West Lovington Unit <u>Lea County, New 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 83 in the West Lovington Unit, located in Lea County, New Mexico.

The West Lovington 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 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 91.261

Enclosures

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

125630

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

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

State of New Mexico Energy, Minerals and Natural Resources Department

j,

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

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Operator GREENH	TT.T	PETROLE	IM CORP			Lease WES	ST LOVIN	NGTON UNI	T		Well No. 83	
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DISTRICT 1 P.O. Box 1980, Hobbs, NM \$8240

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

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	HILL PETROL	FIM CORP			LOVINGTO	N UNIT		83
	Section	Township		Range			County	1
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Submit to Appropriate District Office State Lease - 6 copies	Energy	State of New M , Minerals and Natural R			Form C·101 Revised 1·1-89
Foe Lease - 5 copies <u>DISTRICT I</u> P.O. Box 1980, Hobbs, NI	M 88240	CONSERVATIO P.O. Box 201 Santa Fe, New Mexico	38	API NO. (assigned by OC	CD on New Wells)
DISTRICT II P.O. Drawer DD, Artesia,			01502000	5. Indicate Type of Leas S	TATE XX FEE
DISTRICT III 1000 Rio Brazos Rd., Azi			· · · · · · · · · · · · · · · · · · ·	6. State Oil & Gas Lease B 3009	: No.
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN, O	OR PLUG BACK		
Ia. Type of Work:		· · · · · · · · · · · · · · · · · · ·		7. Lease Name or Unit A	greement Name
DRIL b. Type of Well: OIL. WELL XX WELL [L XX RE-ENTE			West Loving	ton Unit
2. Name of Operator		2011L			
•	HILL PETROLEUM	CORPORATION		8. Well No. 83	
3. Address of Operator				9. Pool name or Wildcat	
	Westheimer, Su	ite 200, Houstor	n, TX. 77077	West Lovington	Upper San Andre
4. Well Location	J: _2625_ Feet I	· · · · · · · · · · · · · · · · · · ·	Line and262	25 Feet From The	East Live
Section	5 Town	ship 17 South Raw	ige 36 East	NMPM	Lea County
		10. Proposed Depth 5230		Formation	12. Rotary or C.T.
				San Andres	Rotary
13. Elevations (Show wheth 3895GR	er Ur, KI, GK, elc.)	14. Kind & Status Plug. Bond Blanket on file	15. Drilling Contractor TBD	3-92	Date Work will start
17.	PF	OPOSED CASING AN			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	1300'	550	surface
7_7/8"	5 1/2"	15.5#	5230'	1300	
		l		<u></u>	<u> </u>

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

I hereby certify that the information above is true and complete to the best of my knowled	odge and belief.	
SKONATURE _ Michael A Consert	Land Manager-Permia	an Basin parts 1-14-92
		713 589-8484
TYPE OR PRINT NAME Michael J. Newport		TELEPHONE NO.

TITLE

DATE

(This space for State Use)

ATTROVED BY

CONDITIONS OF APPROVAL, IF ANY:

Casing Program

BOP Program

<u>Size</u>	Depth	<u>Wt.</u>	<u>Grade</u>	<u>Configuration</u>	<u>Test Program</u>
8 5/8" 5 1/2"			J55, STC J55, STC	*RR or RA N/A	250/1500 psi

*RR-Ram Ram RA-Ram Annular

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

125630

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

DISTRICT II P.O. Drawer DD, Artesia, NM 88210 State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

NO. DISWER D.D., ARESIA, NMI 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

Operator						Lease					Well No.	
GREENH	IILL I	PETROLI	ЕИМ СО	RP.		WES	T LOVI	NGTON UNIT			83	
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Subrat to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

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

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

State of New Mexico Energy, Minerals and Natural Resources Department

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Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

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GREEN	HILL	PETROLE	UM CORP.		WEST	LOVING	TON UNIT		83
Letter	Section		Township		Range			County	
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Submit to Appropriate District Office State Lease - 6 copies Foe Lease - 5 copies		State of New Mo , Minerals and Natural R	esources Department		Form C·101 Revised 1·1-89
DISTRICT I P.O. Box 1980, Hobbe, N	M 88240	CONSERVATIO P.O. Box 200	API NO. (assigned by OC	CD on New Wells)	
DISTRICT II P.O. Drawer DD, Artesia,		Santa Fe, New Mexico	87504-2088	5. Indicate Type of Leas S	
DISTRICT III 1000 Rio Brazos Rd., Azie	ec, NM 87410		·	6. State Oil & Gas Lease B 3009	e No.
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN, O	OR PLUG BACK		
1a. Type of Work:	<u></u>			7. Lease Name or Unit A	greement Name
b. Type of Well:	L 🕅 RE-ENTEN	SINGLE	PLUG BACK	West Loving	ton Unit
		20NE			
2. Name of Operator GREEN	HILL PETROLEUM	CORPORATION		8. Well No. 83	
3. Address of Operator 11490	Westheimer, S	uite 200, Houstor	n, TX. 77077	9. Pool name or Wildcat West Lovington	Upper San Andre
4. Well Location Unit Letter	J : 2625 Feet I	From The South	Line and26	25 Feet From The	East Line
Section	5 Town	ship 17 South Rar	ge 36 East	NMPM	Lea County
		//////////////////////////////////////		Formation	12. Rolary or C.T.
		10. Proposed Depth 5230		San Andres	Rotary
13. Elevations (Show wheth	er DF. RT. GR. etc.)	14. Kind & Status Plug. Bond	15. Drilling Contracto		Date Work will start
3895GR		Blanket on file	TBD	3-92	
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"	550	surface		
7 7/8"	5 1/2"	15.5#	5230'	1300	surface
	L	l		_ <u>l</u>	<u> </u>

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

I hereby certify that the information above is true and complete to the best of my	knowledge and belief.	
SKONATURE Michael / Curpert	Land Man	ager-Permian Basin par 1-14-92
		713 589-8484
TYTEOR FRUNT NAME Michael J. Newport	· · · · · · · · · · · · · · · · · · ·	TELEPHONE NO.

TITLE -

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DATE .

(This space for State Use)

APPROVED BY ____

CONDITIONS OF APTROVAL, # ANY:

<u>Casing Program</u>

BOP Program

Size	<u>Depth</u>	<u>wt.</u>	Grade	<u>Configuration</u>	<u>Test Program</u>
8 5/8" 5 1/2"			J55, STC J55, STC	*RR or RA N/A	250/1500 psi

*RR-Ram Ram RA-Ram Annular

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

125630

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

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

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 III 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

Operator				•					206						Weil No.	
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DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, 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

		ROLEUM CORP.	··		LOVINGT	ON UNIT			83	
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Submit to Appropriate District Office State Lease - 6 copies For Lease - 5 copies		exico esources Department		Form C-101 Revised 1-1-89			
DISTRICT I P.O. Bax 1980, Hobbe, NM 88240		N DIVISION	API NO. (assigned by OCD on New Wells)				
DISTRICT ¹ II P.O. Drawer DD, Arlesia, NM 8821		anta Fe, New Mexico	87304-2088	5. Indicate Type of Lease STATE XX FEE			
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87	7410	· · ·		6. State Oil & Gas L B 3009	ease No.		
APPLICATION F	OR PERMIT 1	O DRILL, DEEPEN, C	OR PLUG BACK	<i>\////////////////////////////////////</i>			
Is. Type of Work:			· · · · · · · · · · · · · · · · · · ·	7. Lease Name or Us	ait Agreement Name		
DRILL XX b. Type of Well: OIL OAS WELL XX WELL OTHER	RE-ENTER	DEEPEN SINGLE	PLUG BACK	West Lovi	ngton Unit		
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GREENHILL	PETROLEUM	CORPORATION		83			
3. Address of Operator 11490 West	heimer, Su	ite 200, Houstor	, TX. 77077	9. Pool name or Wild West Lovingt	k∎ on Upper San Andre		
4. Well Location Unit Letter :	2625 Foot Fr	rom The <u>South</u>	Line and 262	5 Feet From The	e <u>East</u> Line		
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		10. Proposed Depth 5230		an Andres	Rotary		
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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 difformation above is true and complete to the best of my knowledge	e and belief.
I hereby certify that the totomasion above is the and complete to the best of my knowledge SKINATURE	In Land Manager-Permian Basin parts 1-14-92
	713 589-8484
TYPEOR PRINT NAME Michael J. Newport	TELETHONE NO.

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(This space for State Use)

APTROVED BY

CONDITIONS OF APTROVAL, IF ANY:

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8 5/8" 5 1/2"	1300 ' 5230 '	24# 15.5#	J55, STC J55, STC	*RR or RA N/A	250/1500 psi

*RR-Ram Ram RA-Ram Annular

Submit to Appropriat 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 \$8210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

State of New Mexico

OIL CONSERVATION DIVISION

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

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Form C-102 Revised 1-1-89

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, Antasia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, 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

ait Letter	Section	Township	<u></u>	Range			County	
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Submit to Appropriate District Office State Lease – 6 copies Foe Lease – 5 copies		exico esources Department	Form C-101 Revised 1-1-89					
DISTRICT I P.O. Box 1980, Hobbe, NM	88240	CONSERVATIO P.O. Box 20	88	API NO. (assigned by OC	CD on New Wells)			
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DISTRICT III 1000 Rio Brazos Rd., Aziec, 1	NM 87410			6. State Oil & Gas Lease B 3009	: No.			
APPLICATIO	ON FOR PERMIT T	O DRILL, DEEPEN, O	OR PLUG BACK	<i>\////////////////////////////////////</i>				
Ia. Type of Work:		· *******************************	· · · · · · · · · · · · · · · · · · ·	7. Lease Name or Unit A	greement Name			
DRILL XX RE-ENTER DEEPEN PLUG BACK West Lovington Unit b. Type of Well: OAS West Lovington Unit WELL XX Well OTHER ZONE ZONE								
2. Name of Operator				8. Well No.	······			
GREENHI	LLL PETROLEUM	CORPORATION		83				
3. Address of Operator 11490 b	Vestheimer, Su	ite 200, Houston	n, TX. 77077	9. Pool name of Wildcat West Lovington	Upper San Andres			
4. Well Location Unit Letter J	: <u>2625</u> Feet Fr	om The South	Line and262	25 Feel From The	East Line			
Section 5	Towns	up 17 South Ra	nge 36 East	NMPM	Lea County			
		10. Proposed Depth 5230	11.	Formation	12. Rotary or C.T.			
13. Elevations (Show whether I		4. Kind & Status Plug. Bond	15. Drilling Contracto	San Andres	Rotary Date Work will start			
3895GR		Blanket on file	TBD	3-92				
17.		OPOSED CASING AN						
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP			
12 1/4"	8 5/8"	24#	1300'	550	surface			
7 7/8"	5 1/2"	15.5#	5230'	1300	surface			

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSE

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TYPE OR PRINT NAME Michael J. Newport	713 589-8484 TELEPHONE NO.
(This space for State Use)	

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<u>Size</u>	<u>Depth</u>	<u>Wt.</u>	<u>Grade</u>	<u>Configuration</u>	<u>Test Program</u>
8 5/8" 5 1/2"			J55, STC J55, STC	*RR or RA N/A	250/1500 psi

*RR-Ram Ram RA-Ram Annular

GREENHILL PETROLEUM CORPORATION NSERVATION DIHODSOON, TEXAS 77077-6841 RECEIVED

FAX. (713) 589-7892

'92 JAN 17' AM 9 03

Incorporated in Delaware, U.S.A.

January 14, 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 West Lovington 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 West Lovington Unit, located in Lea County, New Mexico.

The West Lovington 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 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,

Richael Theuput

Michael J. Newport Land Manager-Permian Basin

MJN:sjs 91.261

Enclosures

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 88210

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

OIL CONSERVATION DIVISION P.O. Box 2088

State of New Mexico

Energy, Minerals and Natural Resources Department

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Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

GREENHILL PETROLEUM CORP.		WEST LOVING	TON UNIT	Well No. 84	
Jait Letter	Section	Township	Range	County	
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round level Elev.		cing Formation	Pool		Dedicated Acreage:
3898.0	San A	ndres	Lovington Upper	San Andres	20 Acres
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Submit to Appropriate Distinct Office State Lease - 4 copies Fee Lease - 3 copies

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

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DISTRICT II P.O. Drawer DD, Artesia, NM \$8210

DISTRICT III 1000 Rio Brazos Rd., Aztec, 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
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Submit to Appropriate District Office State Lease - 6 copies For Lease - 5 copies	Energy	State of New Me Minerals and Natural R		Form C-101 Revised 1-1-89	
DISTRICT I P.O. Box 1980, Hobbs, NI	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	07504-2066	5. Indicate Type of Lease 5	
DISTRICT III 1000 Rio Brazos Rd., Azie	sc, NM 87410			6. State Oil & Gas Lease B 3009	No.
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN, C	OR PLUG BACK	\//////////////////////////////////////	
Ia. Type of Work:				7. Lease Name or Unit A	greement Name
DRIL b. Type of Well: OIL OAS WELL XX WELL (L 🕅 RE-ENTER	DEEPEN SINGLE		West Loving	ton Unit
2. Name of Operator		······································		8. Well No.	
GREEN	HILL PETROLEUM	CORPORATION		84	
3. Address of Operator 11490	Westheimer, Su	lite 200, Houston	n, TX. 77077	9. Pool name or Wildcat	Upper San Andre
4. Well Location Unit Letter	0: <u>1165</u> Feet F	rom The <u>South</u>	Line and26	25 Feet From The	East Line
Section	5 Town	tip 17South Ray	ne 36 East	NMPM	
		10. Proposed Depth 5230 '		Sormation an Andres	12. Rotary or C.T. Rotary
13. Elevations (Show wheth 3898 GR		4. Kind & Status Plug. Bond Blanket on file	15. Drilling Contractor TBD	16. Approx. 3-92	Date Work will start
17.	PF	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	1300'	550	
7 7/8"	5 1/2"	15.5	<u>5230'</u>	1300	surface
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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OR FLUG BACK, DIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE OVER DESCRIPTION OF THE PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PROPOSED NEW PRODUCTIVE ZONE AND PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW PROPOSED NEW

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BOP Program

Size	<u>Depth</u>	<u>Wt.</u>	Grade	<u>Configuration</u>	<u>Test Program</u>
			J-55, STC J-55, STC	*RR or RA N/A	250/1500 psi

*RR-Ram Ram RA-Ram Annular

Submit to Approp District Office State Lease - 4 copies Fee Lease - 3 copies

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

Operator

125630

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

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

GREENHILL PETROLEUM CORP.

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

Well No.

84

Acres

OIL CONSERVATION DIVISION

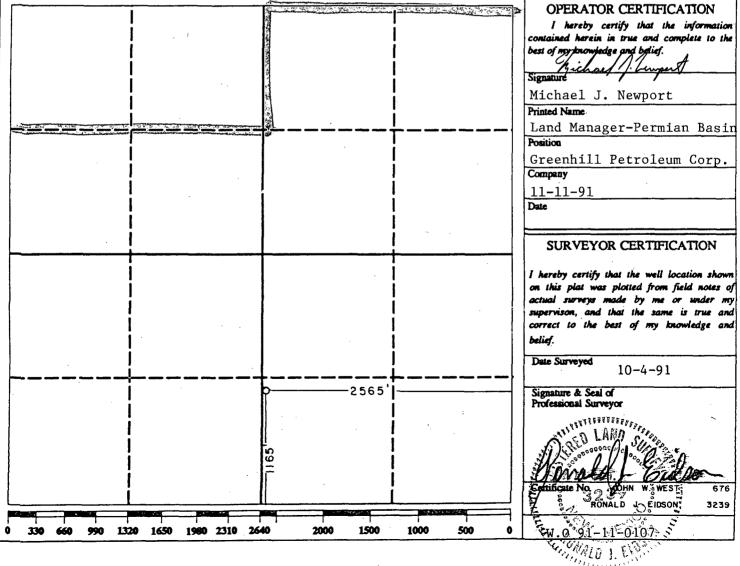
P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

WEST LOVINGTON UNIT

Unit Letter	Section	Township		Range		Co	unty	L	
0	5	17 S	OUTH	36 EAS	Т	NMPM	LI	EA	
Actual Footage Loca	tion of Well:	<u> </u>	·····	· · · ·					
1165	feet from the	SOUTH	line and	2625		feet from the	EAST	line	
Ground level Elev.	Producing	Formation		Pool				Dedicated Acr	eage:
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3. If more unitizat	than one lease is dedi than one lease of difficion, force-pooling, etc. Yes	erent ownership is ? No If and	dedicated to the	well, have the inte	erest of all owners	been consolidate		• •	
this form No allows	if neccessary	the well until all	interests have be	en consolidated (b	y communitization		ced-pooling	, or otherwise)	
			(*)				A TTY	OD CODTE	TC AT



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 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, 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

NOU NU DIAZUS N	a., Adoc, NWI 0/41	All Dia	stances must be	from the oute	er boundaries o	f the section			
Operator				Lease				Well No.	
GRE	ENHILL PETRO	DLEUM CORP.		WEST L	OVINGTON	UNIT		84	
Unit Letter	Section	Township	<u></u>	Range			County	<u>. </u>	····
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Ground level Elev.		ing Formation		Pool				Dedicated Act	reage:
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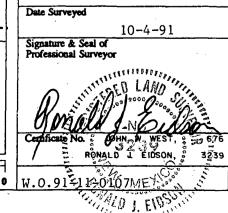
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Submit to Appropriate District Office State Lease - 6 copies	Energy,	State of New M Minerals and Natural R			Form C-101 Revised 1-1-89
Foe Lease - S copies <u>DISTRICT I</u> P.O. Box 1980, Hobbs, NI	M 88240	CONSERVATIO P.O. Box 200	88	API NO. (assigned by OC	D on New Wells)
<u>DISTRICT II</u> P.O. Drawer DD, Artesia,		Santa Fe, New Mexico	87304-2088	5. Indicate Type of Lease	
DISTRICT III 1000 Rio Brazos Rd., Azu	sc, NIM 87410		• •	6. State Oil & Gas Lease B 3009	No.
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN, O	OR PLUG BACK		
1a. Type of Work:				7. Lease Name or Unit A	greement Name
DRIL b. Type of Well: OIL GAS WELL XX WELL [L 🕅 RE-ENTER	DEEPEN SINGLE	PLUG BACK	West Loving	ton Unit
2. Name of Operator		· · · · · · · · · · · · · · · · · · ·		8. Well No.	
GREEN	HILL PETROLEUM	CORPORATION		84	
3. Address of Operator 11490	Westheimer, Su	ite 200, Houston	n, TX. 77077	9. Pool name or Wildcat West Lovington	Upper San Andre
4. Well Location Unit Letter	0: <u>1165</u> F∞ F	rom The <u>South</u>	Line and26	25 Feet From The	East Line
Section	5 Towns	tip 17South Ra	n e 36 East	NMPM	Lea County
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		5230'	S	an Andres	Rotary
13. Elevations (Show wheth 3898 GR		4. Kind & Status Piug. Bood Blanket on file	15. Drilling Contractor TBD	16. Approx. 1 3-92	Date Work will start
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	1300'	550	surface
7 7/8"	5 1/2"	15.5	5230	1300	
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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. OLVE NLOWOUT PREVENTER PROGRAM, IF ANY.

horeby certify that the information above is pus and complete to the best of my	knowledge and bolief. <u>πημε</u> Land Manager-Permian H	Basin
HONATURE <u>Hichael</u> J. Newport	mu sana nanager rermian i	713 589-8484 TELEPHONE NO.
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CONDITIONS OF APPROVAL, IF ANY:		

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BOP Program

<u>Size</u>	<u>Depth</u>	<u>Wt.</u>	<u>Grade</u>	<u>Configuration</u>	<u>Test Program</u>
,			J-55, STC J-55, STC	*RR or RA N/A	250/1500 psi

*RR-Ram Ram RA-Ram Annular

: _* Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

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

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

Operator		<u>_</u>		Lease				Well No.	
GREEN	NHILL PETRO	DLEUM CORP.		WES	I LOVINGTON	UNIT	1	84	
Juit Letter	Section	Township		Range			County		
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2. If more	than one lease is d	edicated to the well.	outline each and	identify the or	vaenthip thereof (both	as to workin	a interest and m	valty).	
				·	interest of all owners		-	• •	
unitizat	ion, force-pooling,	etc.?			• . •		·		
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Submit to Appropriate Distinct Office State Lease - 4 copies Foe Lease - 3 copies

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

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

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

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

WELL	LOCATION	AND	ACREAGE	DEDICATION	PL	A1
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Operator				Lease				Well No.	••••••••••
•	NHILL PI	ETROLEUM CORP.			OVINGTON	UNIT		84	
nit Letter	Section	Township	· · · · · · · · · · · · · · · · · · ·	Range	- <u></u>	<u></u>	County	*	
0	5	•	SOUTH	36	EAST	NMPM	LEA		
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1165	feet from the	SOUTH	line and	2625		feet from	the EAST	line	
ound level Elev.		roducing Formation		Pool	· =···, · · ···			Dedicated Acres	ige:
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		ledicated to the subject w	li by colored pe					L <u>Z</u> U	746
3. If more unitizat	than one lead		s dedicated to th	e well, have the	interest of all o	wners been consol		• •	
yzk			nswer is "yes" ty				-		<u>.</u>
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¹ Submit to Appropriate District Office State Lease - 6 copies For Lease - 5 copies	Energy,	State of New Me Minerals and Natural R	•••••		Form C·101 Revised 1·1-89				
DISTRICT I P.O. Box 1980, Hobbs, N	M 88240	CONSERVATIO P.O. Box 20	88	API NO. (assigned by O	CD on New Wells)				
DISTRICT II P.O. Drawer DD, Arlesia,		Santa Fe, New Mexico 87504-2088 5. Indicate Type of Lease STATE XX FEE							
DISTRICT III 1000 Rio Brazos Rd., Azte	ec, NM 87410			6. State Oil & Gas Leas B 3009	e No.				
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN, O	OR PLUG BACK						
1a. Type of Work:				7. Lease Name or Unit /	Agreement Name				
DRIL b. Type of Well: OIL OAS WELL XX WELL [L 🕅 RE-ENTER		PLUG BACK	West Loving	ton Unit				
2. Name of Operator				8. Well No.	······································				
•	HILL PETROLEUM	CORPORATION		84					
3. Address of Operator 11490	Westheimer, Su	ite 200, Houston	1. TX. 77077	9. Pool name or Wildcat	Upper San Andre				
4. Well Location	0 : <u>1165</u> Feet Fr	,	Line and26	25 Feel From The	East Line				
Section	5 Towns	hip 17South Rad	ne 36 East N	NMPM	Lea County				
		10. Proposed Depth 5230'		ormation an Andres	12. Rotary or C.T. Rotary				
13. Elevations (Show wheth 3898 GR	er DF, RT, GR, etc.) 1	4. Kind & Status Plug. Bond Blanket on file	15. Drilling Contractor TBD	16. Арргох. 3-9	Date Work will start 2				
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				
12 174"	8 5/8"	24	1300'	550	surface				
7 7/8"	5 1/2"	15.5	<u>5230'</u>	1300	surface				
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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OR FLUG 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 grue and complete to the best of m SKONATURE	ny knowledge and belief. <u> </u>	Basin DATE 1-14-92
TYTE OR FRUNT NAME Michael J. Newport		713 589-8484 Telephone no.
(This space for State Use)		
	mu	DATE

CONDITIONS OF APTROVAL, IF ANY:

<u>Casing</u>	Program	L .		BOP Program	
<u>Size</u>	<u>Depth</u>	<u>Wt.</u>	<u>Grade</u>	<u>Configuration</u>	<u>Test Program</u>
•			J-55, STC	*RR or RA N/A	250/1500 psi

*RR-Ram Ram RA-Ram Annular

Submit to Appropriate Distinct (Viice State Lease - 4 copies Fee Lease - 3 copies

125630

DISTRICT I P.O. Box 1980, Hobbs, NM \$8240

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

DISTRICT III 1000 Rio Brazos Rd., Aztec, 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

ONE Section Township Range County 0 5 17 SOUTH 36 EAST NMPM LEA Actual Footage Location of Well: 1165 feet from the SOUTH 2625 feet from the EAST Line Jround level Elev. Producing Formation Pool Dedicated Acreage: 200	ator			Lease		Weil No.
0 5 17 SOUTH 36 EAST INDPA LEA Interaction of Weit: Lies and 2625 feet from the EAST lies 1165 feet from the SOUTH Lies and 2625 feet from the EAST lies 20 A 3898.0 San Andres 20 A 1. Outlies the screage dedicated to the subject well by colored peech or backun marks on the pile below. 2. If more the cone lease is dedicated to the vell, back the interest of all owners bene consolidated by communitation, unitization, force-policing, dirt or more high dedicated to the vell, have the interest of all owners bene consolidated by communitation, unitization, force-policing, cor therwise) OF The Colspan="2">OF Transver is 'yee' type of consolidation OF The Colspan="2" of the to revise and trad decriptions which have exclusible to consolidated. (Use reverse fiele of this form if accessary. No liter and screen and trad decriptions OFERATOR CERTIFICAT Summariantian and interest, has been approved by the Division. OFERATOR CERTIFICAT Summariantian and trading and interest, has been approved by the Division. OFERATOR CERTIFICAT Interact of the well location and the interact of all phases in grant of the well location on this plat was plated from file colspan= grant of the thes areas in correst to the base of ong pha	GREENH	ILL PETR	OLEUM CORP.	WEST LOVI	NGTON UNIT	84
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I hereby certify that the is contained herein is true and completed or promoving and build. Signature Michael J. Newport Printed Name Land Manager-Permian Position Greenhill Petroleum Company 11-11-91 Date SURVEYOR CERTIFICAT I hereby certify that the well locat or this play was plotted from field actual arrays made by me or in apprison, and that the some is correct to the best of my knowledged bailogi. Date Surveyor 2565 Signature & Scal of Professional Surveyor						
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Submit to Appropriate Distinct Office State Lease - 4 copies Fee Lease - 3 copies

125630

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

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

Operator				Lease				Well No.
GREEN	HILL PET	ROLEUM CORP	•	WEST L	OVINGTON	UNIT		84
Juit Letter	Section	Township		Range			County	I
0	5		7 SOUTH	36	EAST	NMPM	LEA	
Actual Footage Local	ion of Well:				· · · · · · · · · · · · · · · · · · ·			
1165	feet from the	SOUTH	line and	2625	,	feet from t	he EAST	line
fround level Elev.		ducing Formation		Pool				Dedicated Acreage:
3898.0	San	Andres		Lovingto	on Upper S	an Andres		20 Acres
1. Outline	the acreage dec	licated to the subject	well by calared per					
3. If more unitization XXX	than one lease on, force-poolis Yes	No If	is dedicated to the answer is "yes" ty	s well, have the	tion <u>unitiz</u>	ners been consoli ed	-	• •
		where and tract descr	iptions which have	actually been	consolidated. (Us	c reverse side of		
	f neccessary.	med to the well until	all interests have h	en consolidate	d (by communitie	ation unitization	formed modine	or otherwise)
		it, eliminating such in					ionero-pooring	
						· · · · · · · · · · · · · · · · · · ·	·	
						M Pr Ca	I hereby mained herein st of my humon inted Name and Mana mition reenhill mpany 11-11-91 ate	OR CERTIFICATION certify that the information in true and complete to the edge and belief. . Newport ger-Permian Basin Petroleum Corp. OR CERTIFICATION
LONG.103°2 LAT. 32°5	22'39''' 1'36' #	19	928	, # 2 0		or ac su cc be	s this plat we ctual surveys opervison, and	that the well location shown as plotted from field notes a made by me or under m I that the same is true an best of my knowledge an 10-4-91
		-#31 •'	165	• #32	2625' 			L OF Veyor OBHN W WEST, 676 DNALD J EIDSON, 3239
330 660 9	90 1320 1	650 1980 2310	2640 200	0 1500	1000 5	00 0 W	.0.91-11	-0107
			,	<u> </u>		<u>-</u>		

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Submit to Appropriate District Office State Lease - 6 copies	Energy	State of New M , Minerals and Natural R				Form C-101 Revised 1-1-89	-
Foe Lease - Scopies <u>DISTRICT J</u> P.O. Box 1980, Hobbs, N	M 88240	CONSERVATIO P.O. Box 20	88	API NO. (assign	oed by OCD) on New Wells)	
DISTRICT II P.O. Drawer DD, Artesia,		Santa Fe, New Mexico	87504-2088	5. Indicate Typ			
DISTRICT III 1000 Rio Brazos Rd., Azi	ec, NM 87410			6. State Oil & B 3009	Gas Lease N	ю.	
APPLICA	TION FOR PERMIT	TO DRILL, DEEPEN,	OR PLUG BACK	<i>\////////////////////////////////////</i>	//////		
Ia. Type of Work:		······································	······································	7. Lease Name	or Unit Agr	reement Name	
DRIL b. Type of Well: On, OAS WELL XX WELL [L 🕅 RE-ENTER	C DEEPEN SINGLE	PLUG BACK	West L	ovingto	on Unit	
2. Name of Operator GREEN	HILL PETROLEUM	CORPORATION		8. Well No. 84			
3. Address of Operator	·· ···································	uite 200, Houston	n, TX, 77077	9. Pool name of		Upper San Ar	ndre
4. Well Location	0 : <u>1165</u> Foct F			25 Feet From	m The	East	Line
Section	5 Town	ship 17South Ra	nge 36 East	NMPM	mm	Lea Cour	
		10. Proposed Depth	11. [Formation		12. Rotary or C.T.	
		5230'		an Andres	·	Rotary	
13. Elevations (Show wheth 3898 GR		14. Kind & Status Plug. Bond Blanket on file	15. Drilling Contractor TBD	16.	Approx. D 3-92	ale Work will start	
17.	PF	OPOSED CASING A	ND CEMENT PROGR	TAM		•	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CI	EMENT	EST. TOP	
12 1/4"	8 5/8"	24	1300'	550		surface	
7 7/8"	5 1/2"	15,5	5230'	1300			
L	L	· I	L				

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, # ANY,

I hereby certify that the information above is gue and complete to the best of my SKINATURE	•	er-Permian Basin DATE 1-14-92
TYPE OR PRINT NAME Michael J. Newport		713 589-8484 теленоме но.
(This space for State Use)	· · ·	
APTROVED BY	mu	DATE

· ·

CONDITIONS OF APPROVAL, IF ANY:

Casing ProgramBOP ProgramSizeDepthWt.GradeConfigurationTest Program8 5/8"1300'24#J-55, STC*RR or RA250/1500 psi5 1/2"5230'15.5#J-55, STCN/A250/1500 psi

*RR-Ram Ram RA-Ram Annular

GREENHILL PETROLEUM CORPORATION RY STUN DIVISINABU WESTHEIMER ROAD, SUITE 200 RECEVED

FAX. (713) 589-7892

192 JAN 28 AM 8 40

Incorporated in Delaware, U.S.A.

January 16, 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 98 West Lovington 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 98 in the West Lovington Unit, located in Lea County, New Mexico.

The West Lovington 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 98 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 91.261

Enclosures xc: Evelyn Downs Oil Conservation Division Hobbs, New Mexico

Submit to Appropriate District Office State Lease - 6 copies Foe Lease - 5 copies		State of New M Minerals and Natural R	esources Department			Form C-101 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM	A 88240	CONSERVATIO P.O. Box 20	88	API NO. (at	signed by OC	D on New Wells)
DISTRICT II P.O. Drawer DD, Artesia, I		anta Fe, New Mexico	8/504-2088	5. Indicate	Type of Lease ST	
DISTRICT III 1000 Rio Brazos Rd., Azte	c, NM 87410	: •	· ·	6. State Oil B 412	d Gas Lease O	No.
APPLICAT	TION FOR PERMIT 1	O DRILL, DEEPEN, O	OR PLUG BACK			
Ia. Type of Work:				7. Lease Na	ume or Unit Ap	greement Name
DRILL b. Type of Well: OL GAS WELL XX WELL	L XX RE-ENTER	DEEPEN SINGLE	PLUG BACK	West L	ovingtor	n Unit
2. Name of Operator		· · · · · · · · · · · · · · · · · · ·		8. Well No.		
GREEN	HILL PETROLEUM	CORPORATION	· · · · · · · · · · · · · · · · · · ·	98		
3. Address of Operator					e or Wildcat	
	westneimer, Su	ite 200, Houston	1, TX. //0//	West Lo	vington	Upper San Andre
4. Well Location Unit Letter	D : 100 Feet Fr	rom The North	Line and 1	<u>305</u> Feet	From The	lestLine
Section	8 Towns	hip 17 South Ra	nge 36East	NMPM	I	ea County
<i>\}}}}}</i>		10. Proposed Depth		Formation		12. Rotary or C.T.
		5230		San Andre	s	Rotary
13. Elevations (Show whether	ur DF, RT, GR, etc.) 1	4. Kind & Status Plug. Bood	15. Drilling Contracto	x	16. Approx. I	Date Work will start
3900.4 GR		lanket on file	TBD		3–	1-92
17.		OPOSED CASING AN	ID CEMENT PROG	RAM		•
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF	CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	1300'	250 sa	cks	
7 7/8"	<u> </u>	15.5#	5230'	1300 sa	cks	
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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.

	connection above is true and complete to the be	at of my knowledge and belief. <u>mma</u> Land Manager-Permian Basin parts <u>1-16-92</u>
TYPE OR PRINT NAME	Michael J. Newport	713 589~8484 TELEPHONE NO.

(This space for State Use)

APPROVED BY

CONDITIONS	OF ATTR	OVAL, I	F ANY:
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DATE

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 8 copies

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL	CONSERVATION	DIVISION
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DISTRICT | P.O. Box 1960, Hobbs, NM 88240

P.O. Box 2088

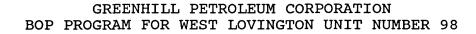
Santa Fe, New Mexico 87504-2088

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

DISTRICT III 1000 Bio Brazos Bd., Astec, NM 67410

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BOP Program

<u>Size</u>	<u>Depth</u>	<u>Wt.</u>	Grade	<u>Configuration</u>	<u>Test Program</u>
			J-55, STC J-55, STC	*RR or RA N/A	250/1500 psi

*RR-Ram Ram RA-Ram Annular



GREENHILL PETROLEUM CORPORATION

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

Incorporated in Delaware, U.S.A.

January 20, 1992

Oil Conservation Division Attention: Ms. Evelyn Downs P. O. Box 1980 Hobbs, New Mexico 88240

Re: West Lovington Unit Well Number 98 Lea County, New Mexico

Dear Ms. Downs:

Enclosed find a copy of Mike Newport's letter to Mike Stogner along with six copies of Form C-101 and the BOP Program, and four copies of Form C-102 on the above referenced well.

Very truly yours,

Sharon J. Stephene Land Secretary

sjs:s 92.058

Enclosures

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE 1-23-92 '92 JAN 27 AM 10 40

BRUCE KING GOVERNOR 27 AM 10 40 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_	X	
NSP		
SWD		
WFX		
PMX		

Gentlemen:

I have examined the application for the:

Greenhill Letroleum	Corp.	West .	Lovington	Unit	#98-0-	8-17-36
Operator	Lease &	Well No.	Unit σ s	S-T-R		

and my recommendations are as follows:

Yours very truly,

Jerry Sexton Supervisor, District 1

/ed