

12777 JONES ROAD, SUITE 375 HOUSTON, TEXAS 77070 TELEPHONE (713) 955-1146 FAX (713) 890-2405

Incorporated in Delaware, U.S.A.

May 16, 1991

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

Attn: Mike Stogner

Re: Unorthodox Location and Drilling Permit Proposed Well No. 81 West Lovington Lea County, New Mexico

Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 81 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 No. 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 of the proposed well as soon as possible and would appreciate a response to this request at your earliest convenience.

Respectfully yours,

GREENWILL PETROLEUM CORPORATION Michael J. Newport Land Manager-Permian Basin

MJN:JB Enclosures

12777 JONES ROAD, SUITE 375 HOUSTON, TEXAS 77070 TELEPHONE (713) 955-1146 FAX (713) 890-2405

Incorporated in Delaware, U.S.A.

#### CERTIFIED MAIL

May 16, 1991

Exxon Co. USA P.O. Box 1600 Midland, TX 79702-1600

Re: West Lovington Well No. 81 Lea County, NM

This letter is to hereby notify you that Greenhill Petroleum will be drilling Well No. 81 to a depth of 5230' to test the San Andres formation, 105 FNL and 1305 FWL in Section 9, T17S-R36E, Lea County, NM. We are obligated by the New Mexico Oil Commission to notify all offset operators that we are applying for an unorthodox location within our West Lovington Unit.

Please sign and return to the above address in the event you do not object to our proposed well.

Sincerely,

Michael J. Newport Land Manager-Permian Basin

MJN:jb cc: Mike Stogner/Santa Fe

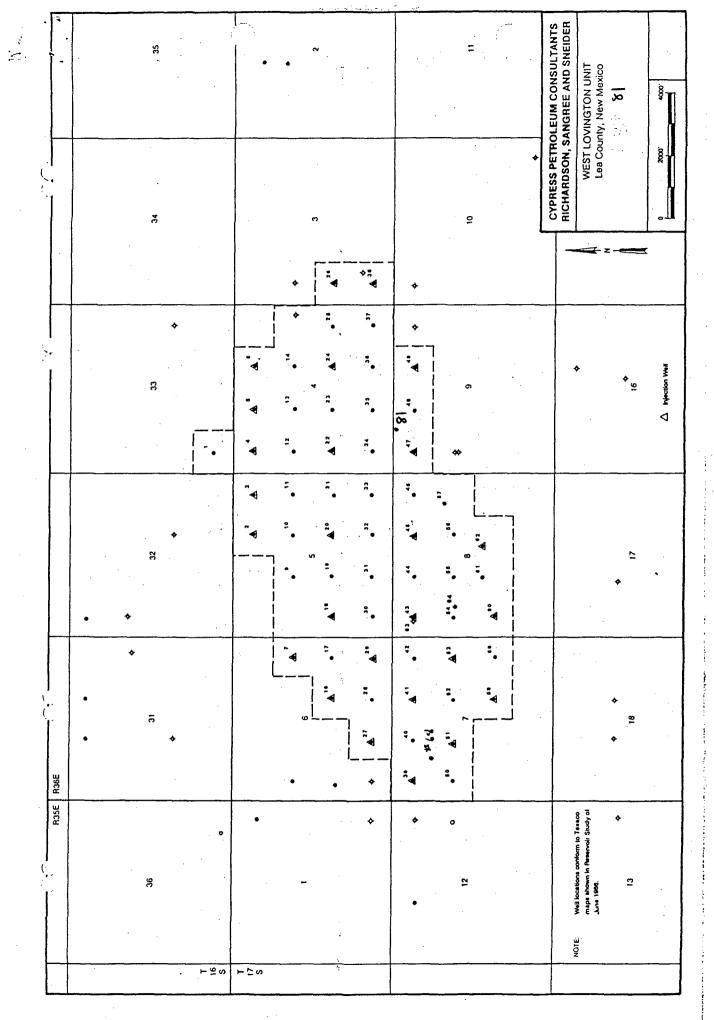
Agreed to and accepted this \_\_\_\_\_ day of , 1991.

Exxon Co. USA

By:

Enclosures

	R	R358 R366		~~~~	Filen	Romail		
							Title .	
25		30 		T	Yates		Terra Yala	14j - 28
		Alarda Zha Mann					Yatas Erron	A
	Turus	Thrase Exten	Yates		803 •	7=+=5	10.102	
T R ud Ms	me Yafas	autil +	32	•	33 , , , , , , , , , , , , , , , , , ,	· • •	Katos Paraco Amerada	14 Erron   12/11/15
10 X15 3 T 51 built 5 The anti-	Mabil .	Amoce Mobil		A' A'		A · _ ~~+:/	Fiel Antill Territy Control Co	a parrilar = (mington) Joséphin = Joséphin =
	1		5	• " • • " . • "	• " • " ·	•" • •"		PWIKA
	•			•**	•** •** •	.	▲* <del>5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 </del>	-S
Paran Yahas Punips.	Mobil . +	· · · · · · · · · · · · · · · · · · ·	"ek" •"	A"   •"	۸ <sup>۰۲</sup> ۹ <sup>۰۰</sup> ۸ Err	A"   +	+ Yotes	T+r++6
	12 Form. Antil Form Mobi Oil Oil		· · · · · · · · · · · · · · · · · · ·	·	*	fante fe Sauryy	10	
		Tunio	Citica farrel Turcup				. ,	•
Euron Jon Hule Teles	furin	Titte	Exion		Terand +	* 3.ka	provedtan 01	Bud isturies .
Earon	Partings Partings	- 18	· ·	A-60	Je_	<u> </u>	15	16
	Sun Tung	<b>pi</b>						
	3 Mard Til Jayron 51 Tri Sarron Tri Sarron (a) may ittering al	Su m Iel		attice former	874	ITA .	pure then	
23	24	19	é? 				. 22	23



· • · · , •

### GREENHILL PETROLEUM CORPORATION B O P PROGRAM FOR WEST LOVINGTON UNIT # 81

<u>Casing l</u> <u>Size</u>	<u>Program</u> <u>Depth</u>	Wt	Grade	<u>BOP</u> Program Configuration	<u>Test Program</u>
8 5/8"	350'	24#	J55,STC	RR or RA	250/1500 psi
5 1/2"	5230'	15.5#	J55,STC	N/A	

\*RR - Ram Ram RA - Ram Annular

• ~

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

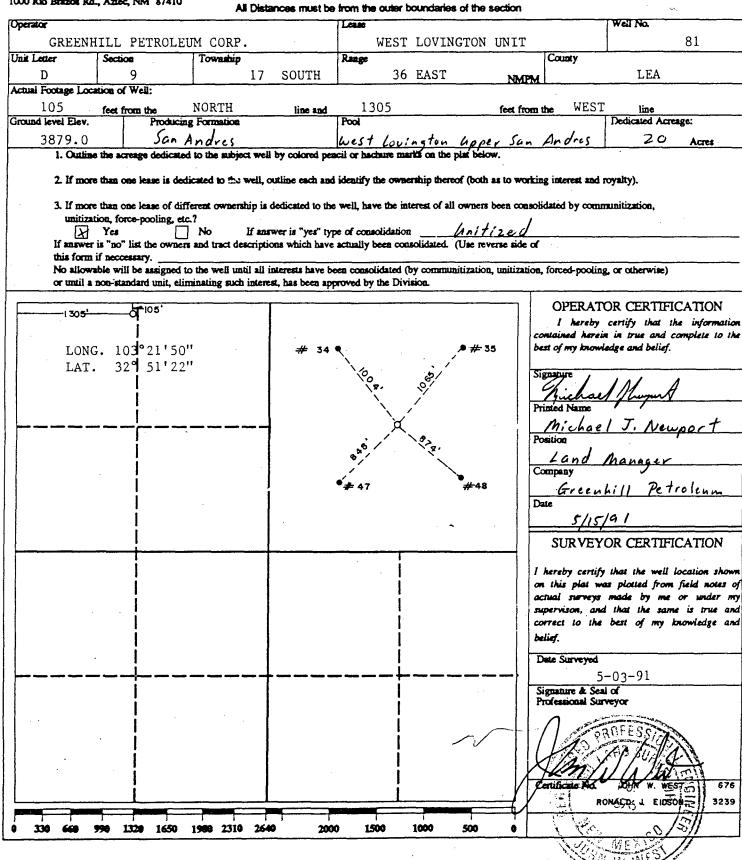
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

#### State of New Mexico Energy, Minerals and Natural Resources De ment

### OIL CONSERVATION DIVISION

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

#### WELL LOCATION AND ACREAGE DEDICATION PLAT



		р <sup>с</sup> , и					
<sup>1</sup> Submit to Appropriate District Office State Lease - 6 copies	Energy,	State of New M Minerals and Natural R		at .		Form C-101 Revised 1-1-5	
For Lesse – S. copies DISTRICT I P.O. Bax 1980, Hobbe, NA	H 88240	CONSERVATIO P.O. Box 20	88	API NO. ( a	nigned by OC	D on New Wells)	
DISTRICT <sup>II</sup> P.O. Drawer DD, Artesia, 1		anta Fe, New Mexico	87504-2088	5. Indicate	Type of Lease S		EE 🗌
<u>DISTRICT III</u> 1000 Rio Brazos Rd., Azte	×, NM 87410			6. State Oil	& Gas Lease	. №. B7016	
APPLICA	TION FOR PERMIT	O DRILL, DEEPEN, O	OR PLUG BACK	11111	$\Pi\Pi\Pi$	11/////////////////////////////////////	7////
12. Type of Work:	<u> </u>			7. Lease Na	ume or Unit A	greement Name	·
b. Type of Well: OIL OAS WELL X WELL [ 2. Name of Operator		SINGLE ZONE		8. Well No.	ovingtor	n Unit	
3. Address of Operator	oleum Corporati er. Ste 200.	on Houston, TX 77(			e or Wildcar	Uppers Sar	
4. Well Location	: <u>105</u> Feet Fr		Line and3			West	Line
Section 9	Towns	hip 17S Rai	age 36E	NMPM	ea	c	ounty
		10. Proposed Depth 5230		1. Formation San Andro	//////// es	12-Rotary or C.T.	
13. Elevations (Show whether	er DF, RT, GR, elc.)	4. Kind & Status Plug, Bood	15. Drilling Contra	dor	16. Approz.	Date Work will star	t
3879		on file	TBD		7-15-9		
17.	PR	OPOSED CASING AN	ID CEMENT PRO	GRAM			<u> </u>
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		CEMENT		<u>P</u>
12 1/4	8 5/8	24	350		·	Surface	
7 7/8	5 1/2	15.5	5230	450		Surface	
L	L	L				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 20NE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

7

DATE -

I hereby certify that the information above is true and complete to the best of my know SXDNATURE	mage and balier. 	r-Permian Basin pare 5-16-91
TITE OR FRONT NAME Michael J. Newport		TELETHONE NO.955-1146

. m.e \_

(This space for State Use)

APTROVED BY \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



12777 JONES ROAD, SUITE 375 HOUSTON, TEXAS 77070 TELEPHONE (713) 955-1146 FAX (713) 890-2405

Incorporated in Delaware, U.S.A.

May 16, 1991

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

Attn: Mike Stogner

Re: West Lovington Well No. 81 Lea County, NM

This letter is to hereby notify you we have notified all offset operators to the WLU No. 81 that we plan to drill an unorthodox location.

Sincerely,

Michael J. Newport Land Manager-Permian Basin

MJN:jb Enclosure

, ,		
OIL COMSERV ENERGYS MINI RECLIVED '91 MAY 30 AM 9 17 BRUCE KING GOVERNOR	STATE OF NÈW MEXICO ERALS AND NATURAL RESOURCES DEPA OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE _5-28-91	ARTMENT 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		
Gentlemen:		
I have examined the applica <u>Ireenhill Pet</u> Corr Operator		# 81- & 9-17-36 R
and my recommendations are		
Yours very truly, Verry Sexton Supervisor, District 1	/	

.

/ed

٠.



12777 JONES ROAD, SUITE 375 HOUSTON, TEXAS 77070 TELEPHONE (713) 955-1146 FAX (713) 890-2405

Incorporated in Delaware, U.S.A.

May 16, 1991

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

Attn: Mike Stogner

Re: Unorthodox Location and Drilling Permit Proposed Well No. 82 West Lovington Lea County, New Mexico

Greenhill Petroleum Corporation respectfully requests the State of New Mexico Oil Conservation Division grant approval of the proposed unorthodox location and the attached permit to drill Well Number 82 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 No. 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 of the proposed well as soon as possible and would appreciate a response to this request at your earliest convenience.

Respectfully yours,

GREENHILL PETROLEUM CORPORATION A internation Michael J. Newport Land Manager-Permian Basin

MJN:JB Enclosures

12777 JONES ROAD, SUITE 375 HOUSTON, TEXAS 77070 TELEPHONE (713) 955-1146 FAX (713) 890-2405

Incorporated in Delaware, U.S.A.

CERTIFIED MAIL

May 16, 1991

Texaco USA P.O. Box 3109 Midland, TX 79702

Attn: Keith Williams

Re: West Lovington Well No. 82 Lea County, NM

This letter is to hereby notify you that Greenhill Petroleum will be drilling Well No. 82 to a depth of 5230' to test the San Andres Formation, 2390 FEL and 2390 FNL in Section 7, T17S-R36E, Lea County, NM. We are obligated by the New Mexico Oil Commission to notify all offset operators that we are applying for an unorthodox location within our West Lovington Unit.

Please sign and return to the above address in the event you do not object to our proposed well.

Sincerely,

Michael J. Newport Land Manager-Permian Basin

MJN:jb cc: Mike Stogner/Santa Fe

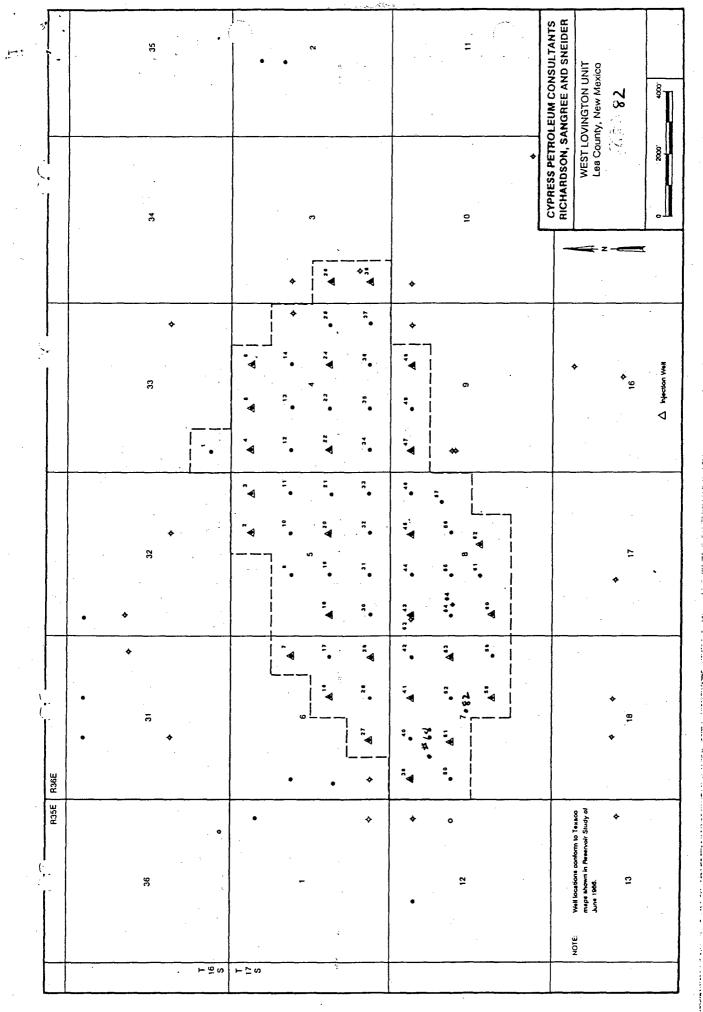
Agreed to and accepted this \_\_\_\_\_ day of \_\_\_\_\_, 1991.

Texaco USA

By:

Enclosures

		- - 		•		
n na selan a constant A	ر به منهای به عنه ماه به منصله معهد.	nen er eller och färstatte och		مر		
-	Ras	E R34E		Fren havit		
25	25	30	Grahm 2 Terreto	Yates	Terra Yalas	. 26
		mundo mundo	riii er			A-++
			• Yates	Pogo rains	Yatas Eccom	
35	Turns	Auliii +	. 32	•	Kitel Territo Amerada	Series Indias
T Tr. U.d Ma	MB Yadas Ins			1 Telato		. +
T Set Unit S Jf6 ent.	Mobil	Amaco pobil	Δ <sup>2</sup> Δ <sup>1</sup>	A A A Misil	Field South	parathern a Contrastor Foddard
	1		ан ан ан ан ан ан ан ан	• <sup>12</sup> • <sup>13</sup> • <sup>14</sup> • 4 ·	Are citrat 374 pulling	c;4143
	<b>*</b> .			• • • • •		Citus Autori
Proven Yalas Thurpp	Mobil. +	A'' •' A'' •''	<sup>12</sup> sh <sup>11</sup> • <sup>11</sup> • <sup>11</sup>	A" •" A" ;	+ Ya fas	Turaco
Phillips 1 Union Trees	Frank, Mubil Foren Mabil	•" " " " " " " " " " " " " " " " " " "	•" •" •"	Erren Erren Erren Santa Fe		- "
	Form, Mobil 011 Mobil	Tuno	Cittal Invite Tunna	(~~ <u>)</u> 7	, . <b>*</b>	
Earro Jon Maria Tutas	inon Pilikys Entra	Tereey	<u>E</u> tren	Taraco + Baky	maridia- ei	Paul ; Hughas
That pr	PLINIPE PLINIPS +	18	+  7   A-co	16	15	14
Earon	Sun Sun Putties					<b>]</b> . • .
	John TL Jayrom	Sun	Gulf Phillips	1TA ITA	Juarathan	
±	. 24	19				
· · ·	•					west Lowington



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

Operator

LAT. 32°50'59

330

660

**990** 

1329

1650

1980 2310 2640

LONG. 103°23'04"

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

Weil No.

Michaes

Michael J.

Green hill

5/15/9

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 and

4-30-91

RONALD & EIDEDN

Land Manag

Printed Name

Position

Соправу

Date

belief.

Date Surveyed

Signature & Seal of Professional Surveyor

2390-

Newport

Actroleum

676

3239

### **OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

GRE	ENHILL PETRO	LEUM CORF	•	WEST LOVINGTON UNIT			82		
Unit Letter	Section	Township		Range		······································	County		·····
G	7	17 s	SOUTH		36 EAST	NMPM		LEA	
Actual Footage Loca	tion of Well:			· · · · · · · · · · · · · · · · · · ·			<u> </u>		<u> </u>
2390	feet from the	EAST	line and	2390		feet from	the NOI	RTH line	
Ground level Elev.	Producin	g Formation		Pool				Dedicated Ac	reage:
3903.8	B San A	ndres		west	Louington	Upper Sai	n Andres	20	Acres
1. Outline	the acreage dedicated	to the subject w	vell by colored per	cil or hachur	e marks on the pla	t below.			
unitizat If answer this form No allowa	than one lease of diffion, force-pooling, etc Yes	? No If a s and tract descrip the well until a	nswer is "yes" typ ptions which have Il interests have be	e of consolid	lation <u>U</u> a consolidated. (U ted (by communiti	<u>nitized</u> se reverse side of		·	
		•	- 06			1 1	l hereby	in true and	the information complete to the

#69

1003

#51- WI

10

#52 DRYHOLE

₩#58-WI

2000

1500

1000

500

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

Lean

DISTRICT III 1000 Rio Brazos Rd., Aziec, NM \$7410   6. State Oil & Gas Lesse No. B4120     APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK   84120     Ia. Type of Work:   7. Lesse Name or Unit Agreement Name     DRILL X   RE-ENTER   DEEPEN     DRILL X   RE-ENTER   DEEPEN     PLUG BACK   West Lovington Unit     OAS WELL X   OTHER   SINCLE ZONE     2. Name of Operator   8. Well No.     Greenhill Petroleum Corporation   82     3. Address of Operator   9. Pool name or Wildcat     11490 Westheimer, STe., 200, Houston, TX 77077   West, Lovington Upper, San, Andree     4. Well Location   Well Location			7. 			
DISTRICTI P.O. Box 1950, Hobbe, NM 88240   P.O. Box 2088     DISTRICTI P.O. Drawer DD, Arceia, NM 88210   Santa Fe, New Mexico 87504-2088     DISTRICTII P.O. Drawer DD, Arceia, NM 88210   Santa Fe, New Mexico 87504-2088     DISTRICTII P.O. Drawer DD, Arceia, NM 88210   Santa Fe, New Mexico 87504-2088     DISTRICTII P.O. Drawer DD, Arceia, NM 88210   Santa Fe, New Mexico 87504-2088     DISTRICTIN 1000 Rio Brizos Rd, Aziec, NM 87410   6. Suite Oil & Get Lease No. B4120     APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK   84120     Ia Type of Well:   DEEPEN PLUG BACK     DRILL X   RE-ENTER   DEEPEN PLUG BACK     Name of Operator   State Operator     14 Mone of Operator   82     14 Agree meen, STe., 200, Houston, TX 77077   State Ferom The North     4. Well Lease Of Corporation   82     3. Address of Operator   Line and 2390     Get From The	District Office State Lease – 6 copies		Minerals and Natural R	esources Department		• • • • • •
DISTRICTION   5. Indicate Type of Lottlet     P.O. Draver DD, Artesia, NM \$8210   STATE X     DISTRICTION   STATE X     IDOR Rob Brazoe Rd., Aziee, NM \$7410   STATE X     APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK   B4120     APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK   Reservent Name     b. Type of Well:   State Of Well:     OLL X   State Coll & Gas Lease No.     BALL X   RE-ENTER   DEEPEN     PLUG BACK   MOLTPRE     Vell X   West   Other     Vell X   West   Other     State of Operator   State of Usit Agreement Name     West Lovington Unit   State of Usit Agreement Name     Vell X   West   Other     Other   State of Operator   State of Usit Agreement Name     114900 Westherimer, STE., 200, Houston, TX 77077   West Lovington Upper San Andres     4. Well Location   State of X   State Of X     Ubit Lease G   : 2390   Fee From The East   Line and 2390     10. Proposed Depth   11. Formation   12. Rotary or CT.     13. Elevation (Show whether DF, RT, GR, etc.)   14. Kind & Stanu Pug. Bood		M 88240	API NO. ( assigned by OC	D oa New Wells)		
B4120     B4120     APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK     It. Type of Work:   7. Lease Name or Ubit Agreement Name     DRILL   RE-ENTER   DEEPEN   PLUG BACK     West   OWER   8. West Lovington Unit     OL   ONE   SINCLE   West Lovington Unit     OL   ONE   SINCLE   West Lovington Unit     OL   ONE   SINCLE   NUTFRE     VELL   OTHER   DEEPEN   PLUG BACK   West Lovington Unit     OL   OTHER   SINCLE   NUTFRE   West Lovington Unit     OL   OTHER   SINCLE   NUTFRE   BACK   NUTFRE     2   Name of Operator   8. Well No.   82   8. Well No.     3   Address of Operator   9. Pool name or Wildeat   .     11490   Westheimer, STE., 200, Houston, TX, 77077   West I ovington Upper San Andres     4. Well Location   Unit Letter   G   : 2390   Feet From The   North     Section   7   Township   17   S Range 36   NMPM   Lea   County			ania Fe, New Mexico	87504-2088		
Ia. Type of Work:   DRILL X   RE-ENTER DEEPEN PLUG BACK   7. Lase Name of Unit Agreement Name     b. Type of Well:   One of Section Operator   SINCLE 20NE   West Lovington Unit     0.1. Well X   Well of Operator   SINCLE 20NE   West Lovington Unit     2. Name of Operator   Greenhill Petroleum Corporation   82     3. Address of Operator   8. Well No.     11490 Westheimer, STe., 200, Houston, TX_77077   West Lovington Upper San Andree     4. Well Location   Line and 2390   Feet From The Line     Section 7   Township 17 S   Range 36 E   NMPM     13. Elevations (Show whether DF, RT, GR, stc.)   14. Kid & Stants Phy. Bood   15. Drilling Contractor   16. Approx. Date Work will cant     17.   PROPOSED CASING AND CEMENT PROGRAM   SIZE OF HOLE   SIZE OF CASING   WEGHT PER FOOT   SETTING DEPTH   SACKS OF CEMENT   EST. TOP     12. 1/4   8.5/8   24   350   300   Surface		ec, NM 87410				
DRILL   X   RE-ENTER   DEEPEN   FLUG BACK   West Lovington Unit     OL   OL   OL   OL   SINCLE   MULTPLE   West Lovington Unit     OL   VELL   OTHER   SINCLE   MULTPLE   West Lovington Unit     VELL   OTHER   SINCLE   MULTPLE   West Lovington Unit     2   Name of Operator   8. Well No.   82     3   Address of Operator   9. Pool name or Wildcal   11490 Westheimer, STe., 200, Houston, TX_77077   West Lovington Upper San Andres     4. Well Location   Unit Letter   G   : 2390   Feet From The East   Line and 2390   Feet From The North   Line     Section   7   Township   17   S   Range 36   E   NMPM   Lea   County     10. Proposed Depth   11. Formation   11. Formation   11. Enters   12. Rotary or CT.     5230   5230   San Andres   San Andres   13. Advers   San Andres     13. Elevations (Show whether DF, RT, GR. etc.)   14. Kind & Sum Flug. Bood   15. Drilling Coeractor   16. Approz. Date Work will Ean     3903   0n   file <td< td=""><td>APPLICA</td><td>TION FOR PERMIT 1</td><td>TO DRILL, DEEPEN, (</td><td>OR PLUG BACK</td><td>`\/////////////////////////////////////</td><td></td></td<>	APPLICA	TION FOR PERMIT 1	TO DRILL, DEEPEN, (	OR PLUG BACK	`\/////////////////////////////////////	
b. Type of Well:   Cal   Since i   West Lovington Unit     Off.   Ois   West Lovington Unit     Well Well:   One   Since i   Multiple     2   Name of Operator   8. Well No.     Greenhill Petroleum Corporation   82     3. Address of Operator   9. Pool name or Wildcat     11490 Westheimer, STe., 200, Houston, TX 77077   West Lovington Upper San Andres     4. Well Location   9. Pool name or Wildcat     Unit Letter   G   : 2390     7   Township 17 S   Range 36 E     Section   7   Township 17 S     13. Elevationa (Show whether DF, RT, GR, etc.)   14. Kind & Status Phug. Bood   15. Drilling Contractor     13. Elevationa (Show whether DF, RT, GR, etc.)   14. Kind & Status Phug. Bood   15. Drilling Contractor     17.   PROPOSED CASING AND CEMENT PROGRAM     SIZE OF HOLE   SIZE OF CASING   Weight PER FOOT   SETTING DEPTH   SACKS OF CEMENT   EST. TOP     12. 1/4   8 5/8   24   350   300   Surface	12. Type of Work:	~~~~			7. Lease Name or Unit A	greement Name
2. Name of Operator   8. Well No.     Greenhill Petroleum Corporation   82     3. Address of Operator   9. Pool name or Wildcat     11490 Westheimer, STe., 200, Houston, TX_77077   West_Lovington Upper San Andres     4. Weil Location   Unit Letter: 2390 Feet From TheEastLine and _2390 Feet From TheLine     Section   7   Township   17 S   Range 36 E   NMPM   Lea   County     11. Formation   11. Formation   11. Formation   12. Rotary or C.T.   12. Rotary or C.T.     3903   0.0   14. Kind & Status Phug. Bood   15. Drilling Costractor   16. Approt. Date Work will sant     3903   0.0   11.   PROPOSED CASING AND CEMENT PROGRAM   7-15-91     17.   PROPOSED CASING AND CEMENT PROGRAM   SIZE OF HOLE   SIZE OF CASING   WEGHT PER FOOT   SETTING DEPTH   SACKS OF CEMENT   EST. TOP     12. 1/4   8.5/8   24   350   300   Surface	b. Type of Well:				West Lovingto	n Unit
Greenhill Petroleum Corporation   82     3. Address of Operator   9. Pool name or Wildcat     11490 Westheimer, STe., 200, Houston, TX_77077   West Lovington Upper San Andres     4. Well Location   Unit Letter G_: 2390   Feet From The East   Line and 2390   Feet From The North   Line     Section   7   Township 17 S   Range 36 E   NMPM   Lea   County     13. Elevations (Show whether DF, RT, GR, etc.)   14. Kind & Status Plug, Bood   15. Drilling Contractor   16. Approx. Date Work will sant     17.   PROPOSED CASING AND CEMENT PROGRAM   TBD   7-15-91     17.   PROPOSED CASING AND CEMENT PROGRAM   Sant Andres     17.   PROPOSED CASING AND CEMENT PROGRAM   Surface	WELL X WELL	OTHER	ZONE	ZONE		
3. Address of Operator   9. Pool name or Wildcat     11490 Westheimer, STe., 200, Houston, TX 77077   West Lovington Upper San Andree     4. Well Location   Unit Letter G_: 2390   Feet From The East   Line and 2390   Feet From The North   Line     Section   7   Township   17 S   Range 36 E   NMPM   Lea   County     10. Proposed Depth   11. Formation   11. Formation   12. Rotary or C.T.     13. Elevations (Show whether DF, RT, GR, etc.)   14. Kind & Status Plug. Bood   15. Drilling Coatractor   16. Approx. Date Work will stan     3903   0n file   TBD   7-15-91     17.   PROPOSED CASING AND CEMENT PROGRAM     SIZE OF HOLE   SIZE OF CASING   WEIGHT PER FOOT   SETTING DEPTH   SACKS OF CEMENT   EST. TOP     12. 1/4   8. 5/8   24   350   300   Surface	2. Name of Operator				8. Well No.	
3. Address of Operator   9. Pool name or Wildcat     11490 Westheimer, STe., 200, Houston, TX 77077   West Lovington Upper San Andree     4. Well Location   Unit Letter G_: 2390   Feet From The East   Line and 2390   Feet From The North   Line     Section   7   Township   17 S   Range 36 E   NMPM   Lea   County     10. Proposed Depth   11. Formation   11. Formation   12. Rotary or C.T.     13. Elevations (Show whether DF, RT, GR, etc.)   14. Kind & Status Plug. Bood   15. Drilling Coatractor   16. Approx. Date Work will stan     3903   0n file   TBD   7-15-91     17.   PROPOSED CASING AND CEMENT PROGRAM     SIZE OF HOLE   SIZE OF CASING   WEIGHT PER FOOT   SETTING DEPTH   SACKS OF CEMENT   EST. TOP     12. 1/4   8. 5/8   24   350   300   Surface	Greenhi	11 Petroleum Con	rporation		82	
4. Well Location   Unit Letter	3. Address of Operator			7077		Ilnner San Andre
10. Proposed Depth   11. Formation   12. Rotary or C.T.     5230   San Andres     13. Elevations (Show whether DF, RT, GR, etc.)   14. Kind & Sahus Plug. Bood   15. Drilling Contractor   16. Approz. Date Work will start     3903   on file   TBD   7-15-91     17.   PROPOSED CASING AND CEMENT PROGRAM     SIZE OF HOLE   SIZE OF CASING   WEIGHT PER FOOT     12. 1/4   8. 5/8   24   350	4. Well Location				5	11
Size of Hole   Size of Casing   Weight per foot   Setting   Setting Contractor   Setting Contractor     12. Elevations (Show whether DF, RT, GR, etc.)   14. Kind & Same Plug. Bood   15. Drilling Contractor   16. Approx. Date Work will Fait     3903   0n file   TBD   7-15-91     17.   PROPOSED CASING AND CEMENT PROGRAM     Size of Hole   Size of Casing   Weight per foot     12. 1/4   8. 5/8   24   350	Section 7	Towns	hip 17 S Rar	nge 36 E	NMPM Lea	County
Size of Hole   Size of Casing   Weight per foot   Setting   Setting Contractor   Setting Contractor     12. Elevations (Show whether DF, RT, GR, etc.)   14. Kind & Same Plug. Bood   15. Drilling Contractor   16. Approx. Date Work will Fait     3903   0n file   TBD   7-15-91     17.   PROPOSED CASING AND CEMENT PROGRAM     Size of Hole   Size of Casing   Weight per foot     12. 1/4   8. 5/8   24   350			//////////////////////////////////////	11. F	//////////////////////////////////////	12. Roury or C.T.
13. Elevations (Show whether DF, RT, GR, etc.)   14. Kind & Status Plug. Bood on file   15. Drilling Constractor TBD   16. Approz. Date Work will start 7-15-91     17.   PROPOSED CASING AND CEMENT PROGRAM     SIZE OF HOLE   SIZE OF CASING   WEIGHT PER FOOT   SETTING DEPTH   SACKS OF CEMENT   EST. TOP     12   1/4   8   5/8   24   350   300   Surface						
3903 on file TBD 7-15-91 <sup>17.</sup> PROPOSED CASING AND CEMENT PROGRAM   SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH SACKS OF CEMENT EST. TOP   12 1/4 8 5/8 24 350 300 Surface	13. Elevations (Show wheth	er DF. RT. GR. etc.)				Dute Work will start
IT.     PROPOSED CASING AND CEMENT PROGRAM       SIZE OF HOLE     SIZE OF CASING     WEIGHT PER FOOT     SETTING DEPTH     SACKS OF CEMENT     EST. TOP       12     1/4     8     5/8     24     350     300     Surface						
SIZE OF HOLESIZE OF CASINGWEIGHT PER FOOTSETTING DEPTHSACKS OF CEMENTEST. TOP121/485/824350300Surface	17.	PR			AM	
12 1/4 8 5/8 24 350 300 Surface	SIZE OF HOLE			والكسية الشبيرات بكركية فيتحدث والمتبر والمتراة المنبية المتحدة	the state of the s	EST. TOP
				······································		
	7 7/8				450	
	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 geformation above is truggend complete to the best of my he	owindge and belief.	
SKONATURE _ pyichael J. Lugal	ma Land Manager-Permian Bas	5-16-91
TTE OR FRENT MANE Michael J. Newport		<u>телетноме но955-1146</u>
(This space (or State Use)	·	
APTROVED BY	III.2	DATE
CONDITIONS OF AFTROVAL, IF ANY:		

.

### GREENHILL PETROLEUM CORPORATION B O P PROGRAM FOR WEST LOVINGTON UNIT # 82

<u>Casing</u> Size	<u>Program</u> <u>Depth</u>	Wt	Grade	<u>BOP</u> Program Configuration	<u>Test Program</u>
8 5/8"	350'	24#	J55,STC	RR or RA	250/1500 psi
5 1/2"	5230'	15.5#	J55,STC	N/A	

\*RR - Ram Ram RA - Ram Annular



12777 JONES ROAD, SUITE 375 HOUSTON, TEXAS 77070 TELEPHONE (713) 955-1146 FAX (713) 890-2405

Incorporated in Delaware, U.S.A.

May 16, 1991

- J**i** 

Oil Conservation Division State of New Mexico P.O. Box 2088 Santa Fe, NM

٠

Attn: Mike Stogner

Re: West Lovington Well No. 82 Lea County, NM

This letter is to hereby notify you that we have notified all offset operators to the WLU No. 82 that we plan to drill an unorthodox location.

Sincerely,

Michael J. Newport Land Manager-Permian Basin

MJN:jb

Enclosures

CONSERVE ON DIVISION STATE OF NEW MEXICO RENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE 5-28-91	POST OFFICE BOX 1980
GOVERNOR	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	ί
Gentlemen:	
I have examined the application for the: <u>Areenhill Pet. Corps. West Lovington Unit</u> #82 Operator Lease & Well No. Unit S-T-R	2-27-17-36
and my recommendations are as follows:	
Yours very truly,	

.

Jerry Sexton Supervisor, District 1

/ed

.