

GREENHILL PETROLEUM CORPORATION RECEIVED

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

'91 JUN 13 PM,9 27

Incorporated in Delaware, U.S.A.

June 6, 1991

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

Attn: Mike Stogner

Re:

Unorthodox Location and Drilling Permit

Proposed Well No. (18)

Lovington Paddock

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 113 in the Lovington Paddock Unit, located in Lea County, New Mexico.

The Lovington Paddock 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. 113 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,

GREENHILL PETROLEUM CORPORATION

Michael J. Newport

Landman

MJN:JB

Enclosures

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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

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

OIL CONSERVATION DIVISION P.O. Box 2088

API NO. (assigned by OCD on New Wells)

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DISTRICT III 1000 Rio Brazos Rd., Azie	c, NM 87410			6. State Oil	& Gas Lease	^{No.} B7896
1	TION FOR PERMIT	TO DRILL, DEEPEN, C	OR PLUG BACK			
12. Type of Work:				7. Lease Na	me or Unit Ag	greement Name
b. Type of Well: OIL XX GAS WELL WELL	RE-ENTER	DEEPEN SINGLE	PLUG BACK MULTIPLE ZONE	Loving	ton Padd	lock Unit
2. Name of Operator				8. Well No.		
Greenhill Petr	oleum Corporati	ion		113		
3. Address of Operator				9. Pool nam	e or Wildcat	
11490 Westheim	er, Ste., 200,	Houston, TX 770)77	Lovingt	on Paddo	ock
4. Well Location Unit Letter	: <u>1417</u> Feet F		Line and1508	 .	From The	East Line
		10. Proposed Depth 6600	1	omzion addock		12_Rotary_or C.T.
13. Elevations (Show whether	er DF, RT, GR, etc.)	4. Kind & Status Plug, Bond	15. Drilling Contractor		16. Approx. I	Date Work will start
3815		on file	TBD			
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
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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO D ZONE, GIVE BLOWOUT PREVENTER PROGRAM, # ANY.	EEPEN OR FLUID BACK, GIVE DATA ON PRESENT PRODUCTIVE ZON	IE AND PROPOSED NEW PRODUCTIVE
I hereby certify that the information above is true and complete to the best of my knowledge SIGNATURE Research	e and belief. . mm.m.a.Land Manager-Permian Basin	DATE _6=6-91
TYPEOR PRINT NAME Michael J. Newport		TELEPHONE NO. 955-1146
(This space for State Use)		
APPROVED BY	TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:		

Susmit to Argeoprints
District Office
State Lease - 4 copies
For Lease - 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-162 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	· · · · · · · · · · · · · · · · · · ·			Lease				Well No.
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3. If more than	one lesse of d	ifferent ownership is	dedicated to the	well, have the	interest of all or	rmers been consc	hidated by	communitization.
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GREENHILL PETROLEUM CORPORATION

P 375 330 421

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL (See Reverse)

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orm (10/10/91	
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June 7, 1991

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

Incorporated in Delaware, U.S.A.

Attn: Keith Williams

Re: Lovington Paddock

Well No. 113 Lea County, NM

This letter is to hereby notify you that Greenhill Petroleum will be drilling Well No. 113 to a depth of 6420' to test the Paddock Formation, 1417 FSL and 1508 FEL in Section 31, T16S-R37E, 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.

CERTIFIED MAI

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

Michael J. Newport
Land Manager-Permian Basin

Sincerely,

MJN:jb

Agreed to and accepted this ____ day of _____

Texaco USA

By: _____

Enclosures

OIL CONSERVATION DIVISION RECTIVED

STATE OF NEW MEXICO

JUN ENERGY MINERALS AND NATURAL RESOURCES DEPARTMENT **OIL CONSERVATION DIVISION** HOBBS DISTRICT OFFICE

6-14-91

BRUCE KING GOVERNOR

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 application for the: Steenhill Pet Corp. Lovington Paddock Unit # 113-] 3/-16-3 Operator Lease & Well No. Unit S-T-R and my recommendations are as follows: OK
Yours very truly, Serry Sexton Supervisor, District 1

Sec. 3/ Township No	16 South of Ran	ge No. 37 East
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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.

June 6, 1991

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

Attn: Mike Stogner

Re:

Unorthodox Location and Drilling Permit

Proposed Well No. 124

Lovington Paddock

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 124 in the Lovington Paddock Unit, located in Lea County, New Mexico.

The Lovington Paddock 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. 124 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 you earliest convenience.

Respectfully yours,

GREENHILL PETROLEUM CORPORATION

Michael J. Newport

Landman

MJN:JB Enclosures

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

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION P.O. Box 2088

Forms C	-101
Revised	1-1-89

API NO. (assigned by OCD on New Wells)

DISTRICT I P.O. Box 1980, Hobbs, NN	4 88240	P.O. Box 208	38	API NO. (ssigned by OC	D on New Wells)	
DISTRICT II P.O. Drawer DD, Artesia, I		anta Fe, New Mexico	87504-2088	5. Indicate	Type of Lease	TATE FE	E X
DISTRICT III 1000 Rio Brazos Rd., Azte	c, NM 87410			6. State Of	de Gas Lease	No.	
APPLICAT	TION FOR PERMIT	TO DRILL, DEEPEN, C	OR PLUG BACK				
la. Type of Work:				7. Lease N	ame or Unit A	greement Name	-
DRIL	L X RE-ENTER	DEEPEN	PLUG BACK				
b. Type of Well: OIL GAS C		SINGLE		Lovingt	on Paddo	ock Unit	-
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2. Name of Operator				8. Well No		,	
Greenhill Pet	roleum Corporat	ion			124		
3. Address of Operator				1	ne or Wildcat		
11490 Westheim	er, Ste., 200,	Houston, TX 770)77	Loving	ton Pado	dock	
4. Well Location Unit Letter	1450 Feet F	rom The South	Line and) Fee	t From The	West	Line
Section 6	Towns	thip 17S Ran	nge 37E	NMPM Le	ea.	c	ounty
		10. Proposed Depth	1	1. Formation		12. Rosery or C.T.	
		///// 6600'		Paddock			
13. Elevations (Show whether	er DF, RT, GR, etc.)	4. Kind & Status Plug. Bond	15. Drilling Contract	tor	16. Approx.	Date Work will start	.
3814		on file	TBD				
17.	PR	OPOSED CASING AN	ID CEMENT PRO	GRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS O	F CEMENT	EST. TO	P
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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS ZONE, GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.	TO DEEPEN OR FLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE 20	
I hereby certify that the information above is true and complete to the best of my know	wholge and belief. The Land Manager-Permian Basi	6-6-91
TYPEOR PRINT NAME Michael J. Newport		тецетноме мо955-1146
(This space for State Use)		
APTROVED BY CONDITIONS OF APPROVAL. IF ANY:		_ DATE

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

DISTRICT I P.O. Box 1980, Hobbs, NM 28240

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

LEA Tual Footage Location of Well: 1450 feet from the SOUTH line and 120 feet from the WEST line Tund level Elev. Producing Formation Pool 3814.1	GREENHI Letter	LL PETROLEU	M CORP.			PADDOCK I	INIT County	124
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Company Green hill Petrole and Date 6/4/91 SURVEYOR CERTIFICATI I hereby certify that the well location on this plat was plotted from field actual surveys made by me or in supervison, and that the same is to correct to the bass of my incontent belief. Data Surveyed 5-23-91 Signature & Seal of Professional Surveyor Signature & Seal of Professional Surveyor				•	100,.	9 #67	I here contained hest of my lo Signature Printed Nam Mich	by certify that the information in true and complete to complete and belief.
on this plat was plotted from field actual surveys made by me or un supervison, and that the same is to correct to the best of my knowled belief. Date Surveyed 5-23-91 Signature & Seal of Professional Surveyor 1476 A Reference of the season of the se					\	# 70	Company Gree Date 6/4	nhill Petroleum 191
Signature & Seal of Professional Surveyor	120'						on this pla actual surv supervison, correct to belief.	was plotted from field no eys made by me or undi and that the same is tru the best of my knowledge
RÔNALD AL EÑOSON,							Professional	Seal of Surveyor Surveyor Surv

GREENHILL PETROLEUM CORPORATION BOP PROGRAM FOR LOVINGTON PADDOCK WELL # 124

Casin	g Program			BOP	Program
Size	Depth	We	. Grade	Configuration	Test Pressure
8 5/8" 5 1/2"	2050′ 6600 ′	24 15.5	H40, STC K55, STC	RA RR	200 psi 250/1500 psi

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

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GREENHILL PETROLEUM CORPORATION

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 21, 1991

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

Attn: Keith Williams

Re:

Lovington Paddock

Well No. 124 Lea County, NM

This letter is to hereby notify you that Greenhill Petroleum will be drilling Well No. 124 to a depth of 6420' to test the Paddock Formation, 120 FWL and 1450 FSL in Section 6, T17S-R37E, 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

By:

1	Agreed	to	and	accepted	this	 day	of.	.]	9	9:	1.	

Texaco USA

Enclosures

PS Form 3800, June 1985

U.S.G.P.O. 153-506

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Special Delivery Fee
Restricted Delivery Fee
Restricted Delivery Fee
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Date, and Address of Delivery
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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 21, 1991

Phillips Petroleum P.O. Box 1967 Houston, TX 77281-1967

Re:

Lovington Paddock

Well No. 124 Lea County, NM

This letter is to hereby notify you that Greenhill Petroleum will be drilling Well No. 124 to a depth of 6420' to test the Paddock Formation, 120 FWL and 1450 FSL in Section 6, T17S-R37E, 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

Agreed to	and	accepted	this		day of		1991.
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Phillips Petroleum

ву:		 	
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Enclosures

3							
PS Form 3800), Jun	e 1985				U.S.G.P.	O. 153-506
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RECEIPT FOR CERTIFIED A
RECEIPT FOR CERTIFIED A
RECEIPT FOR INTERNALORAL MAIL

STATE OF NEW MEXICO



ON DIEMERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

√£D

AM 9.23

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

BRUCE KING GOVERNOR

/ed

6-10-91

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 application of the confidence of the confidenc	Lease & Well No. U	Paddeck Unit nit S-T-R	#124- <u>L6</u> -17-37,
Yours very truly, Jerry Sexton Supervisor, District 1			
•			

Sec. Township No. 17 South	of Range No 37 East
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