

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

Incorporated in Delaware, U.S.A.

A-12-175-39E

November 28, 1990

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. 100 Lowington 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 100 in the Lovington Paddock Unit, located in Lea County, New Mexico.

The Lovington Paddock Unit is presently developed and being water-flooded 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. 100 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

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

Form C-101 Revised 1-1-89

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

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

AP	NO. (assigned by OCD on New	v Wells)	
5.	Indicate Type of Lease		

DISTRICT ^I II P.O. Drawer DD, Artesia,		anta Fe, New Mexico	87304-2088	5. Indicate Type of Lease S	TATE X FEE			
DISTRICT III 1000 Rio Brazos Rd., Azze	ec, NIM 87410			6. State Oil & Gas Lease	No. B1429			
APPLICA	TION FOR PERMIT T	O DRILL, DEEPEN, (OR PLUG BACK					
la. Type of Work:				7. Lease Name or Unit A	greement Name			
DRIL b. Type of Well: OIL GAS WELL X WELL	L X RE-ENTER	DEEPEN SINGLE	PLUG BACK W	Lovington Paddo	ock Unit			
2. Name of Operator Greenhi	11 Petroleum			8. Well No.				
3. Address of Operator								
16010 Barkers Point, Ste., 325, Houston, TX 77079 Lovington Paddock								
4. Well Location Unit Letter A	: <u>165</u> Feet Fr	3 Feet From The	Fast Line					
Section 12	Townsi	hip 17 South Re	nge 36 East	NMPM Lea	County			
<i>\ </i>	11. Formation 12. Rotary or C.T.							
6350 Lovington Paddock Rotary								
13. Elevations (Show whether DF, RT, GR, etc.) 14. Kind & Status Plug. Bond 15. Drilling Contractor 16. Approx. Date Work will start 18. TBD 19. TBD 10. Approx. Date Work will start 19. TBD								
3807.5 GR Blanket TBD 12-15-90 PROPOSED CASING AND CEMENT PROGRAM								
0.75 05 1101 5		, 	,					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP			
12 1/4	8 5/8	24#	2050	800	Surface			
1 77/0	E 1/9	5 1/2 15.5#			3000			
7 7/8	5 1/2	15.5#	6350	500	3000			

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: # PROPOSAL IS TO DEEPEN OR FLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE, GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.							
I hereby certify that the information above styrus and complete to the best of m SIGNATURE	y knowledge and belief. TITLE Landman	DATE 11-28-90					
TYPEOR PRINT NAME Michael J. Newport		телетноме но. 955-1146					
(This space for State Use)							
APTROVED BY	mu	DATE					
CONDITIONS OF APPROVAL, IF ANY:							

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

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

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

DISTRICT | P.O. Box 1980, Hobbs, NM 88240 P.O. Drawer DD, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. Outline the acreage dedicated to the subject well by colored pencil or hachure thanks 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.?	
A 12 17 SOUTH 36 EAST NMFM LEA That Footage Location of Well: 165 feet from the NORTH line and 113 feet from the EAST line round level liev. Producing Formation Pool 3807.5 1. Outline the acreage dedicated to the subject well by colored pescil or hackure fixths on the plat below. 2. 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.? Yes	
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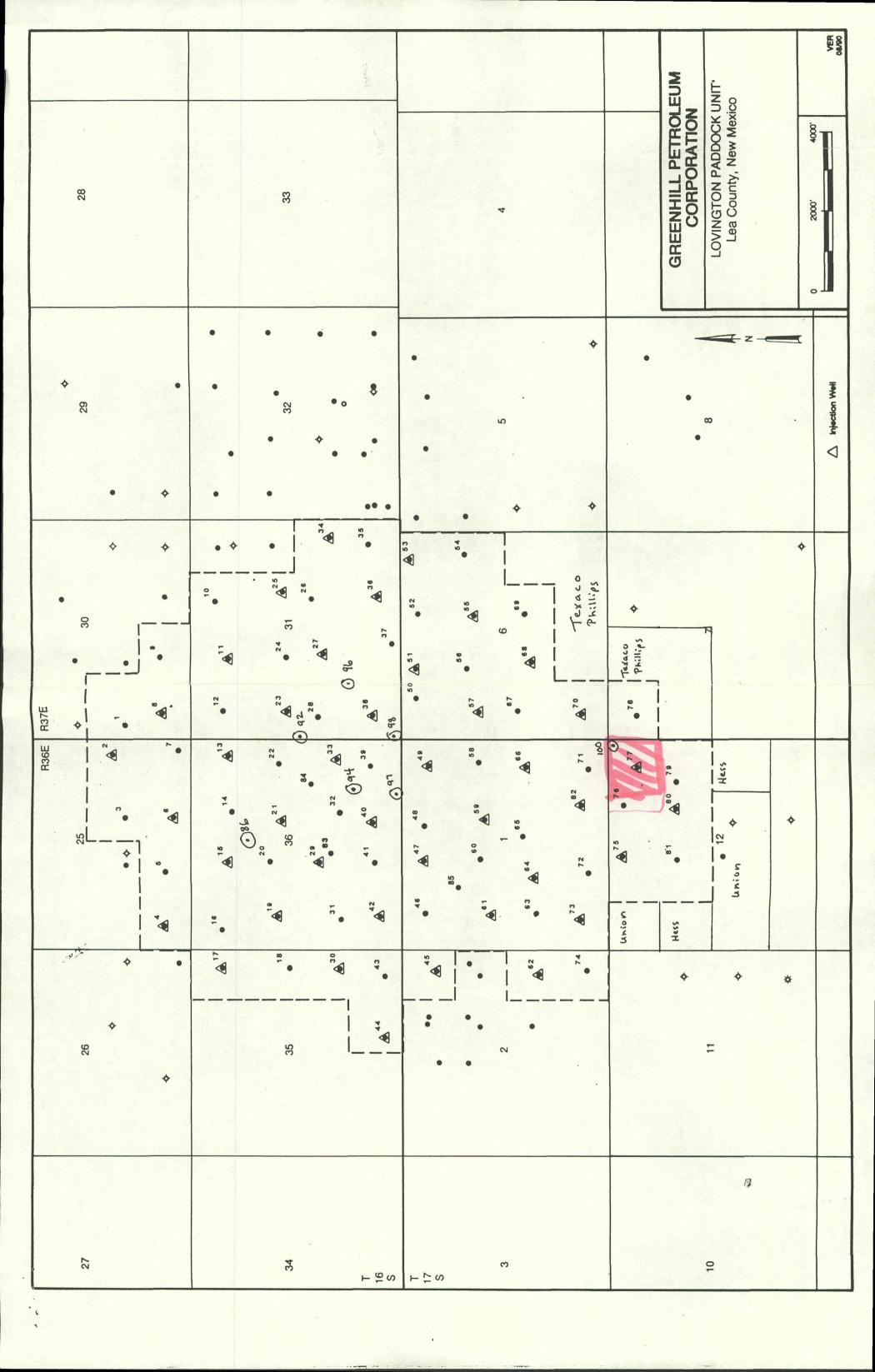
GREENHILL PETROLEUM CORPORATION BOP PROGRAM FOR LOVINGTON PADDOCK WELL # 100

Casin	g Program			BUP Program					
Size	Depth	Wt	Grade ·	Configuration	Test Pressure				
8 5/8" 5 1/2"	2050′ 6350′	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



17. S S # 7 **ö** ^ ¥ 27 **>** Union union Hess R36E | R37E Phillips Texaco Phillips △ Injection Well 23 GREENHILL PETROLEUM CORPORATION LOVINGTON PADDOCK UNIT Lea County, New Mexico 8 28 1 8 A



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

Incorporated in Delaware, U.S.A.				T	r—-					
November 27, 1990	556 FIED MAIL PROJUED	NSV	2019	\	ı			m,	S	
Texaco U.S.A. P.O. Box 3109 Midland, TX 79702 Attn: Keith Williams Re: Lovington Paddock Well # 100	RECEIPT FOR CERTA NO INSURANCE CONTENT NO INSURANCE	Porto Juano	Postage	Certified Fee	Special Delivery Fee	Restricted Delivery Fee	Return Receipt showing to whom and Date Delivered	Return Receipt showing to whom, Date, and Address of Delivery	TOTAL Postage and Fees	Postmark or Date 11-29-90
Lea County, NM	7	1989-234-222	.0.9.6.₽.0.				9	861 a	սոր '	PS Form 3800
This letter is to hereby notify Well No. 100 to a depth of 6350 FNL and 113 FEL in Section 12, obligated by the New Mexico Oil we are applying for an unorthod Please sign and return to the acour proposed well.	to test T17S-R36E Commissi ox locati	the Lo , Lea C on to n on with	vington ounty, otify a in our	n Pa New all Lov	ddo Me off ing	ck xic set ton	form o. ope Pac	nati We erat Idoc	on, are ors k Uı	that
Sincerely,										
Aichael J. Newport Landman										, ·
cc: Mike Stogner/Santa Fe									٠	
Agreed to and accepted this	day of			· · · · · ·				,	199	90.
Texaco U.S.A.										



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

This letter is to hereby notify you that Greenhill Petroleum will be drilling Well No. 100 to a depth of 6350' to test the Lovington Paddock formation, 165 FNL and 113 FEL in Section 12, T17S-R36E, Lea County, New Mexico. We are obligated by the New Mexico Oil Commission to notify all offset operators that we are applying for an unorthodox location within our Lovington Paddock Unit.

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

Sincerely,

Michael J. Newport
Landman

cc: Mike Stogner/Santa Fe

Agreed to and accepted this _____ day of _______, 1990.

Phillips Petroleum



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

Incorporated in Delaware, U.S.A.

·ca 558 4 AN 9 21

AEC: 750

November 29, 1990

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

Re: Lovington Paddock
<u>Lea County, NM</u>

Enclosed please find the C-101, C-102 and BOP program for the following wells in the Lovington Paddock Area:

LPU # 98 LPU # 97 LPU # 94 LPU # 92 LPU # 100 LPU # 96

Please call if I may provide you with additional information.

Sincerely,

Michael J. Newport

Landman

MJN:jb Enclosures