# 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.

53 70

August 23, 1990

Texaco, Inc. P. O. Box 52332 Houston, TX 77052

Re: West Lovington Unit

This letter is to hereby notify you that Greenhill Petroleum Corporation will be drilling (Well No. 68) to a depth of 5230' to test the San Andres formation, 1335 FNL and 1280 FWL in Section 7, T17S-R36E, Well No. 69 to a depth of 5230' to test the San Andres formation, 1305 FNL and 2575 FWL, Section 7, T17S-R36E, Well No. 71/to a depth of 5230' to test the San Andres formation 1300 FNL and 1350 FWL, Section 4, T17S-R36E, and Well No. 70/to a depth of 5230' to test the San Andres formation, 1300 FNL and 15 FWL, Section 4, T17S-R36E, Lea County, New Mexico all within our West Lovington Unit.

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

Very truly yours,

Michael J. Newport Landman

MJN:ntd Enclosure WLU051 cc: Mike Stogner/NMOCC

Agreed	to	and	accepted	this	day of	,	1990
						,	

TEXACO INC.

BY:



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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.

August 23, 1990

Yates Energy Corporation P. O. Box 2323 Sunset Centre, Suite 1010 Roswell, NM 88202-2323

Re: West Lovington Unit

This letter is to hereby notify you that Greenhill Petroleum Corporation will be drilling Well No. 70 to a depth of 5230' to test the San Andres formation, 1300 FNL and 15 FWL, Section 4, T17S-R36E, Well No. 71 to a depth of 5230' to test the San Andres formation, 1300 FNL and 1350 FWL, Section 4, T17S-R36E and Well No. 73, to a depth of 5230' to test the San Andres formation, 1305 FSL and 1335 FEL, Section 4, T17S-R36E, Lea County, New Mexico all within our West Lovington Unit.

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

Very truly yours,

Michael J. Newport Landman

Agreed	to	and	accepted	this		day	of	,	199	0
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YATES ENERGY CORPORATION

BY:



# GREENHILL PETROLEUM CORPORATION

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

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OIL CONS

UN DIVISION

incorporated in Delaware, U.S.A.

August 28, 1990

State of New Mexico
Oil Conservation Division
P. 0. Box 2088
Santa Fe, New Mexico 87504
Attn: Mr. Michael E. Stogner
Re: West Lovington Unit
Well Numbers 67, 68, 69, 70, 71, 73, and 74.
Lea County, New Mexico

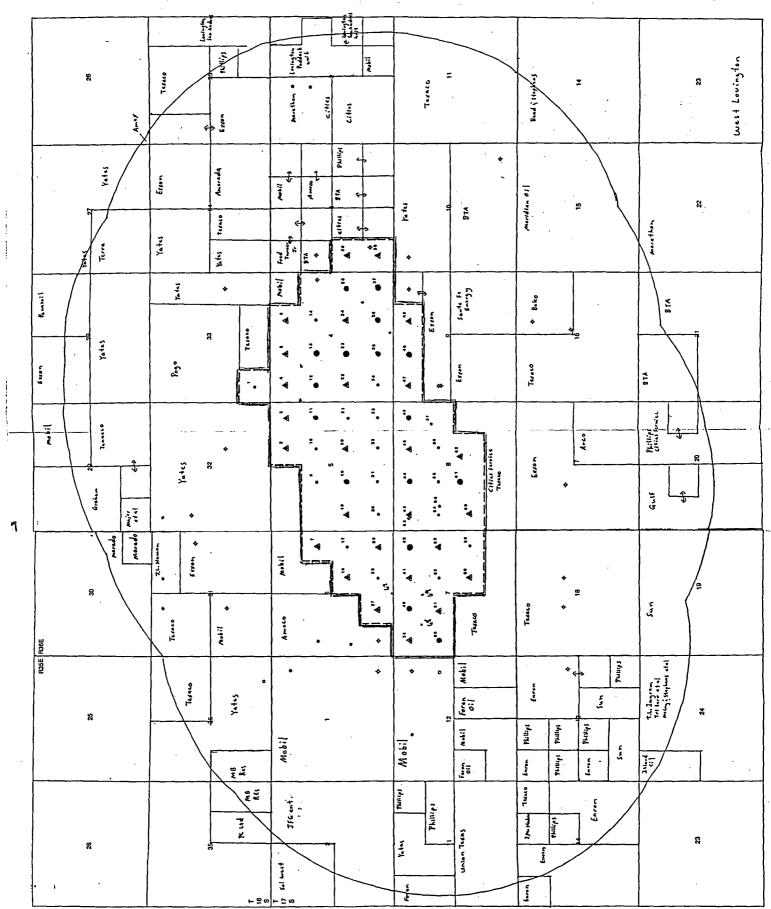
Dear Mr. Stogner:

Enclosed please find the plat which summarizes the ownership of the offsetting leases.

Very truly yours,

Michael J. Newport Landman

MJN:ntd Enclosures WLU056



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# GREENHILL PETROLEUM CORPORATION

REC: VED

# '90 SEP 18 AM 8 40

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

Incorporated in Delaware, U.S.A.

September 14, 1990

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

Attention: Michael Stogner

RE: West Lovington Lea County, New Mexico

Reference is made to the request for an unortodox location covering Wells Nos. 67, 68, 69, 70, 71, 72, 73 and 74. I have contacted the offset operators and the following is a status report.

Well No. 70 - Contacted Yates Energy. I am enclosing the receipt which shows they received notification on September 4, 1990. The 20-day period would allow Greenhill to be issued a Permit on September 24, 1990.

Well No. 71 - Contacted Texaco. I am enclosing the receipt which shows they received notification on 8/27/90. The 20-day period would allow Greenhill to be issued a permit on 9/16/90.

Wells Nos. 73, 74 - Exxon has been notified on 8/29/90 of the location. They are a partner with us on the project. They have agreed to the drilling. The 20-day period would allow us to receive a permit for 73 and 74 on 9/18/90.

Greenhill has contracted two rigs to drill these wells and is waiting on approved permits. Your cooperation in obtaining these permits on the dates summarized will be greatly appreciated.

Very truly yours,

Michael J. Newport Landman

MJN:scc Encls:3 0914WLU1

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J Submit to Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies		State of New Me Minerals and Natural Re	sources Department			Form C-101 Revised 1-1-89	
DISTRICT I P.O. Box 1980, Hobbe, NM	1 88240	CONSERVATIO P.O. Box 208	8	API NO. ( 155	igned by OCI	D on New Wells)	·····
DISTRICT II P.O. Drawer DD, Artesia, 1		anta Fe, New Mexico	87504-2088	5. Indicate 7	Type of Lease ST		. 🗆
DISTRICT III 1000 Rio Brazos Rd., Azie	c, NM 87410			6. State Oil	& Gas Lesse i	No.	
APPLICAT	TION FOR PERMIT	TO DRILL, DEEPEN, C	OR PLUG BACK	//////////////////////////////////			$\Pi$
12. Type of Work:	<u></u>			7. Lease Nar	ne or Unit Ag	reement Name	<u> </u>
DRILL b. Type of Well:	L X RE-ENTER	DEEPEN	PLUG BACK	West	Lovingt	on Unit	
WELL X WELL	] OTHER	SINCLE ZONE	ZONE	ו			
2 Name of Operator GREENHILL PI	ETROLEUM CORPOR	ATION		8. Well No. 70			
3. Address of Operator				9. Pool same	or Wildcar		
16010 Barker	r's Point Lane,	Suite 325, Hous	ton, TX	Lovin	<u>gton Sa</u>	n Andres We	est_
4. Well Location Unit Letter [	) : <u>1300</u> Foot F	rom The North	Line and 1	5 Feet 1	From The	West	Line
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17.	PR	OPOSED CASING AN		GRAM			
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7 7/8	5 1/2	15.5#	5267	1400			
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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.

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I hereby certify that the following above symus and complete to the best of my	knowinigs and belief.	
SKINATURE Michael / henrel		
Michael J. Newport	Landman	TELEPHONE NO.
(This space (or State Use)		
APTROYED BY		DATE
CONDITIONS OF APPROVAL, IF ANY:		

Submit to Appropriate District Office Suits Lense - 4 copies Fea Lense - 3 copies

125430

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

DISTRICT II P.O. DERWER DO, Artesia, NM \$1210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NB4 87410

## OIL CONSERVATION DIVISION

State of New Mexico

Lorgy, Minerals and Natural Resources Departm.

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

GREENHI	LL PETROLEU	M CORPORATI	LON	West	Lovington Un	nit		17 004 1 TOL	70
Unit Letter D	Section 4	Township 17	South	Range 36	East	NMPM	County I	,ea	······································
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Form C-102 Revised 1-1-89 Intends to Appropriate District Office North Lance - 4 copies Pas Lance - 3 copies

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DISTRICT II P.A. Derver DD, Astocia, Nild \$2210

INTERNET III 1000 Ris Braces Ed., Artes, New \$7410

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## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Maxico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

GREENHILL PH	TROLEUM CORPORAT	ION	West Lovingto	n Unit	70
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R35E		36	0	•	-	·	*	*	 12			NOTE: Well locations conform to Taxaoo maps shown in Reservoir Study of June 1986.	13	

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### GREENHILL PETROLEUM CORPORATION B O P PROGRAM FOR WEST LOVINGTON UNIT #70

<u>Casing I</u>	Program			<u>BOP Program</u>	
<u>Size</u>	<u>Depth</u>	<u>Wt</u>	<u>Grade</u>	<u>Configuration</u>	<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	, <b>1</b>

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\*RR - Ram Ram RA - Ram Annular

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#### TOWNSEND-WOLFCAMP POOL (Pilot Waterflood) Lea County, New Mexico

Order No. R-2053, Authorizing Shell Oil Company to Institute a Pilot Waterflood Project in the Townsend-Wolfcamp Pool, Lea County, New Mexico, September 7, 1961.

Application of Shell Oil Company for a Pilot Waterflood Project in the Tounsend-Wolf-camp Pool, Lea County, New Mexico.

**CASE NO. 2359** Order No. R-2053

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#### ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m., on August 30, 1961, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 7th day of September, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Shell Oil Company, seeks permis-(2) That the applicant, Shell Oil Company, seeks permis-sion to institute a pilot waterflood project in the Townsend-Wolfcamp Pool in an area comprising Section 10, Township 16 South, Range 35 East, NMPM, Lea County, New Mexico, by the injection of water into the Wolfcamp formation in the interval from 10,552 feet to 10,592 feet in Texas Pacific Coal & Oil Company's State "J" Well No. 2, located in the NE/4 SW/4 of said Section 10.

(3) That all of the wells in the pilot waterflood area have reached an advanced state of depletion and may properly be classified as "stripper" wells for this depth.

(4) That the proposed waterflood project should be authorized and should be governed by the provisions of Rule 701 of the Commission Rules and Regulations, including those provisions regarding allocation of allowables and expansion of the project area.

IT IS THEREFORE ORDERED:

(1) That the applicant, Shell Oil Company, is hereby authorized to institute a pilot waterflood project in the Townsend-Wolfcamp Pool in an area comprising Section 10, Town-ship 16 South, Range 35 East, NMPM, Lea County, New Mexico, by the injection of water into Texas Pacific Coal & Oil Company's State "J" Well No. 2, located in the NE/4 SW/4 of said Section 10.

(2) That the operation of the waterflood project shall be governed by the provisions of Rule 701 of the Commission Rules and Regulations, including those provisions regarding allocation of allowables and expansion of the project area.

(3) That monthly progress reports on the waterflood pro-ject shall be submitted to the Commission in accordance with Rule 701 and Rule 1119 of the Commission Rules and Regulations.

That jurisdiction of this cause is retained for the (4) entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

### SECTION IV

WEST LOVINGTON POOL (San Andres Waterflood) Lea County, New Mexico

Order No. R-2071, Approving the West Lovington Unit Agree-ment and Authorizing Texaco, Inc., to Institute a Waterflood Project in the San Andres Formation in the West Lovington Pool, Lea County, New Mexico, October 9, 1961.

Application of Texaco Inc. for approval of the West Lovington Unit Agreement and for an order authorizing a Waterflood Project in the West Lovington Pool, Lea County, New Mexico.

CASE NO. 2385 Order No. R-2071

#### ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 o'clock a.m. on September 20, 1961, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 9th day of October, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises,

FINDS

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Texaco Inc., seeks approval of its proposed West Lovington Unit Agreement with the unit area comprising 2,472 acres, more or less, in Townships 16 and 17 South, Range 36 East, NMPM, Lea County, New Mexico.

(3) That the applicant proposes to institute a waterflood project in the West Lovington Pool on said West Lovington Unit by the injection of water into the San Andres formation through the following-described wells:

Humble State "P" Well No. 2, NW/4 NE/4 of Section 9; Humble State "P" Well No. 3, NW/4 NW/4 of Section 9; Humble State "Q" Well No. 2, NW/4 NE/4 of Section 8; Humble State "T" Well No. 1, NW/4 SW/4 of Section 8; Humble State "W" Well No. 1, NW/4 SE/4 of Section 7; Pan American State "E"-20 Well No. 13, NW/4 SE/4 of Section 4;

Phillips Mexico Well No. 2, NW/4 NE/4 of Section 5; Rodman-Noel State "B" Well No. 2, NW/4 SW/4 of Section 4:

Rodman-Noel State "B" Well No. 5, NW/4 SW/4 of Section 3;

tion 3; Mobil State "R" Well No. 6, NW/4 NE/4 of Section 4; Mobil State "R" Well No. 9, NW/4 SE/4 of Section 5; Texaco State "AH" Well No. 3, NW/4 NW/4 of Section 8; Texaco State "AH" Well No. 6, NW/4 NE/4 of Section 7; Texaco State "AH" Well No. 12, NW/4 SE/4 of Section 6; Texaco State "AJ" Well No. 4, NW/4 NW/4 of Section 7; Texaco State N.M. "CL" Well No. 1, NW/4 SE/4 of Sec-tion 8: tion 8;

Tidewater State "O" Well No. 2, NW/4 SW/4 of Section 5: and

Turner State "C" Well No. 5, NW/4 NW/4 of Section 4; all in Township 17 South, Range 36 East, NMPM, Lea County, New Mexico.

(4) That approval of the proposed West Lovington Unit Agreement will in principle tend to promote the conservation of oil and gas and the prevention of waste,

#### (WEST LOVINGTON (SAN ANDRES WATERFLOOD) POOL-Cont'd.)

That all of the producing wells in the unit have (5)reached an advanced state of depletion and are properly classified as "stripper" wells.

(6) That the proposed waterflood project should be authorized and the operation thereof should be governed by the provisions of Rule 701 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the West Lovington Unit Agreement is hereby approved.

(2) That the Plan under which the unit area shall be operated shall be embraced in the form of a unit agreement for the development and operation of the West Lovington Unit Area and such plan shall be known as the West Lovington Unit Agreement Plan.

(3)That the West Lovington Unit Agreement Plan is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty or obligation which is now, or may hereafter be, vested in the Oil Conservation Commission of New Mexico relative to the supervision and control of operations for the exploration and development of any lands committed to the said West Lovington Unit, or relative to the production of oil and gas therefrom.

(4) (a) That the unit area shall be:

NEW MEXICO PRINCIPAL MERIDIAN TOWNSHIP 16 SOUTH, RANGE 36 EAST Section 33: SW/4 SW/4

- TOWNSHIP 17 SOUTH, RANGE 36 EAST

  - OWNSHIP 17 SOUTH, RANGE 36 EAST Section 3: W/2 SW/4Section 4: Lots 2, 3 and 4, S/2 N/2 and S/2 Section 5: Lots 1 and 2, S/2 N/2, and S/2 Section 6: SE/4 NE/4, SE/4 SW/4, and SE/4 Section 7: Lots 1 and 2, E/2 NW/4, NE/4 and N/2 SE/4 Section 8: N/2, N/2 SW/4 and NW/4 SE/4 Section 9: N/2 NW/4, NW/4 NE/4 Section 9: N/2 acres more or less.

comprising 2,472 acres, more or less.

(b) That the unit may be enlarged or contracted as provided in said Plan; provided, however, that administrative approval for expansion or contraction of the unit area must also be obtained from the Secretary-Director of the Oil Conservation Commission.

(5) That the unit operator shall file with the Commission an executed original or executed counterpart of the West Lovington Unit Agreement within 30 days after the effective date thereof. In the event of subsequent joinder by any party or expansion of the unit area, the unit operator shall file with the Commission within 30 days of such action counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.

That the portion of this order relating to the approval (6) of the West Lovington Unit Agreement shall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Mexico and the Director of the United States Geological Survey and shall terminate ipso facto upon the termination of said unit agreement. The last unit operator shall notify the Commission immediately in writing of such termination.

(7) That the applicant is hereby authorized to institute the West Lovington Waterflood Project in the West Lovington Pool, Lea County, New Mexico, by the injection of water into the San

Lea County, New Mexico, by the injection of water into the Sa Andres formation through the following-described wells: Humble State "P" Well No. 2, NW/4 NE/4 of Section 9; Humble State "Q" Well No. 3, NW/4 NE/4 of Section 9; Humble State "Q" Well No. 2, NW/4 NE/4 of Section 9; Humble State "T" Well No. 1, NW/4 SE/4 of Section 8; Humble State "W" Well No. 1, NW/4 SE/4 of Section 7; Pan American State "E"-20 Well No. 13, NW/4 SE/4 of Section 4: Section 4:

- Phillips Mexico Well No. 2, NW/4 NE/4 of Section 5; Rodman-Noel State "B" Well No. 2, NW/4 SW/4 of Section 4;
- Rodman-Noel State "B" Well No. 5, NW/4 SW/4 of Section 3;

- tion 3; Mobil State "R" Well No. 6, NW/4 NE/4 of Section 4; Mobil State "R" Well No. 9, NW/4 SE/4 of Section 5; Texaco State "AH" Well No. 3, NW/4 NW/4 of Section 8; Texaco State "AH" Well No. 6, NW/4 NE/4 of Section 7; Texaco State "AH" Well No. 12, NW/4 SE/4 of Section 6; Texaco State "AJ" Well No. 4, NW/4 NW/4 of Section 7; Texaco State N.M. "CL" Well No. 1, NW/4 SE/4 of Sec-tion 8: tion 8;
- Tidewater State "O" Well No. 2, NW/4 SW/4 of Section 5; and

Turner State "C" Well No. 5, NW/4 NW/4 of Section 4; all in Township 17 South, Range 36 East, NMPM, Lea County, New Mexico.

(8) That the operation of the West Lovington Waterflood Project shall be governed by the provisions of Rule 701 of the Commission Rules and Regulations.

(9) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



August 20, 1990

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

Greenhill Petroleum Corporation 12777 Jones Road Suite 375 Houston, TX 77079

Attention: Michael J. Newport

### RE: Application for non-standard location: West Lovington Unit No. 70, 1300 FNL - 15' FWL, D-4-T17S-R36E, Lea County, New Mexico.

Dear Mr. Newport:

We may not process the subject application for a non-standard location until the required information or plat(s) checked below are submitted.

- A plat must be submitted clearly showing the ownership of the offsetting leases.
- A statement must be submitted that offset operators have been notified of the application by <u>certified</u> mail.
- A plat must be submitted fully identifying the topography necessitating the nonstandard location.

 $\Box$  Other:

Sincerely,

Michael E. Stogner Chief Hearing Officer/Engineer

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SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. wand 4. Put your address in t. RETURN TO' Space on the reverse side. Failure to this will prevent this card from being returned to you. The return receipt fee will provide you and the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested. 1. □ Show to whom delivered, date, and addressee's address. ↑(Extra charge)↑ 2. C Restricted Delivery ↑(Extra charge)↑ 3. Article Addressed to: 4. Article Number P 496 477 383 Yates Energy Corporation P. O. Box 2323 Type of Service: Registered Insured Sunset Centre, Suite 101 X COD Certified Roswell, New Mexico 88202 Express Mail Always obtain signature of addressee SEP agent and DATE DELIVERED. 5. Signature - Addressee Addressee's Address (ONLY if requested and fee paid) X 6. Signature - Agent х 7. Date of Delivery PS Form 3811, Mar. 1987 \* U.S.G.P.O. 1987-178-268 DOMESTIC RETURN RECEIPT and the provident of the second second second second second second second second second second second second s SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. and 4.
Put your address in RETURN TO" Space on the reverse side. Failure t this will prevent this card from being retu: .d to you. <u>The return receipt fee will provide you</u> <u>name of the person</u> <u>delivered to and the date of delivery</u>. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested. 2. □ Restricted Delivery ↑(Extra charge)↑ 1. □ Show to whom delivered, date, and addr ↑(Extra charge)↑ address. ŜΤΑ 4. Article Number 3. Artisle Addressed to: P 496 477 385 Texaco, Inc. ype of Service: P. 0. Box 52332 Registered Insured Houston, Texas 77052 Certified Express Mail Always obtain signature of addressee or agent and DATE DELIVERED. 8. Addressee's Address (ONLY if 5. Signature – Addressee requested and fee paid) Х 6. Signature - Agent X nx 7. Date of Delivery DOMESTIC RETURN RECEIPT PS Form 3811, Mar. 1987 \* U.S.G.P.O. 1987-178-268 SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. and 4. Put your address i ''RETURN TO'' Space on the reverse side. Failur lo this will prevent this card from being recorded to you. The return receipt fee will provide you he name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postnester for fees and check box(es) for additional service(s) requested. 2. □ Restricted Delivery ↑(Extra charge)↑ 1. 
Show to whom delivered, date, and addressee's address. 1(Extra charge)1 4. Article Number 3. Article Addressed to: P-496 477 380 Hank Alford-Land Mngr. Type of Service: EXXON Co., U.S.A. Insured Registered 233 Benmar Certified COD Suite 970 Houston, Texas 77060 Always obtain signature of addressee or agent and DATE DELIVERED. 8. Addresseels) Address ONLY if requested and fee paid 5. Signature – Addressee Х 6. Signature Agent Х . Dad Ň 7. Date of Delivery PS Form 3811, Mar. 1987 \* U.S.G.P.O. 1987-178-268 DOMESTIC RETURN RECEIPT