

## PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP

May 16, 1989

Order R-7103 - Expansion of Authority by Administrative Action M. E. Hale Lease Well No. 21 Vacuum Grayburg/San Andres Pool Lea County, New Mexico

State of New Mexico Energy, Minerals and Natural Resources Dept. Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501-2088

Attn: William J. Lemay Director

MAY 25 1989 OIL CONSERVATION DI SANTA FE

Gentlemen:

Administrative approval, provided by Order No. 7103 and Statewide Rule 104F (III)(IV), is requested to permit drilling the unorthodox location of the subject well.

As offset operator, Texaco, Inc. has been notified of this application and has waived any objections. Attached is a project plat identifying all producing and injection wells therein, and a statement explaining the necessity for this location.

Your early consideration is appreciated. Contact me at (915) 367-1488 if you have any questions.

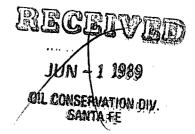
Yours very truly,

Larry M. Sanders, Supervisor Regulation and Proration

LMS:AP

Attachment

cc: New Mexico Dept. of Energy and Minerals
Oil Conservation Division
P. O. Box 1980
Hobbs, New Mexico 88240



OIL CONSERVATION DIVISION PARTICL       APRIL       APRIL       APRIL         DETERTION DETE	Submit to Appropriate District Office State Lazas - 6 copies Fee Lazas - 5 copies		State of New Mex, Minerals and Natural Res	ources Department		Porta C-101 Revised 1-1-89
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SIZE OF HOLE       SIZE OF CASING       WEIGHT PER FOOT       SETTING DEPTH       SACKS OF CEMENT       EST. TOP         11-1/2"       13-3/8"       54.5# J-55 STEC       1600'       1500 sx "C".24CECI       Surface         11"       8-5/8"       24# J-55 STEC       3200'       800 sx "C".5% salt*         7-7/8"       5-1/2"       14# J-55 STEC       3200'       800 sx "C".5% salt*         7-7/8"       5-1/2"       14# J-55 STEC       3200'       Caliper + 30%**       Surface         * 8-5/8" liner will be run only if waterflow encountered.       *       *       If 8-5/8" liner not set circulate to surface; if 8-5/8" liner set circulate to 1500' and temperature survey will be run.       East C' 65/35 Poz + 6% Bentonite       MAY 25 1989         Phillips Petroleum Co. operates all wells sharing proration unit.       MAY 25 1989       OIL CONSERVATION DIV. SANTA FE         Use mud additives as required for control.       BOP Equip: Series 900, 3000# WP (See attached schematic - Fig. 7-9 or 7-10)       N ABOVE SPACE DESCRIBE PROFOSED PROGRAM: Proceed as to be bad of my bowledge ad baid.         Soncorus       Supervisor       Tma Regulation & Proration       DATE         Theory or Not bat to infomation dows to be bad of my bowledge ad baid.       Supervisor       The May 10, 1989         TYPE OLESCRIBE PROVE DE CONSED PROGRAM: Proceed asche baid.       Supervisor       Supervisor						
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11*       8-5/8*       24#       J-55       STEC       3200'       800 sx "C", 5% salt*         7-7/8"       5-1/2*       14#       J-55       STEC       4800'       Caliper + 30%**       Surface         * 8-5/8" liner will be run only if waterflow encountered.       *       If 8-5/8" liner not set circulate to surface; if 8-5/8" liner set circulate to 1500' and temperature survey will be run.       Image: Class "C" 65/35 Poz + 6% Bentonite         Tail: Class "C" Neat       MAY 25 1989         Phillips Petroleum Co. operates all wells sharing proration unit.       OIL CONSERVATION DIV, SANTA FE         Use mud additives as required for control.       BOP Equip: Series 900, 3000# WP (See attached schematic - Fig. 7-9 or 7-10)         N ABOVE SPACE DESCRIBE PROPOSED PROFORED PROFORED REFORMANCE and baild.         Sondorus Encoded and the bid of my backedge ad baild.         sondorus Encoded and the bid of my backedge ad baild.         sondorus Encoded and the schematic for structure the supervisor         The Clear Market Bailt and concluse to the bail of my backedge ad baild.         sondorus Encoded and the schematic for the bail of my backedge ad baild.         sondorus Encoded and the schematic for the bail of any backedge ad baild.         sondorus Encoded and the bail of any backedge ad baild.         sondorus Encoded and the bail of any backedge ad baild.         sondorus Encoded and the bail of any backedge ad baild.						
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Supervisor       TYPE CR. FR.INT NAME       L. M. Sanders       TELEPHONE HO. 915/367-1       (This spece for State Ucc)       Image: State Ucc) <t< td=""><td>7-7/8" * 8-5/8" liner * If 8-5/8" lin temperature s Lead: Class " Tail: Class " Phillips Petr Use mud addi BOP Equip: IN ABOVE SPACE DES EDGE GENERACYOUT MEN</td><td>will be run on her not set circ survey will be 'C" 65/35 Poz + 'C" Neat coleum Co. oper tives as requir Series 900, 300 CRIBE PROPOSED PROC ENTER PROFOSED PROC</td><td>ly if waterflow er culate to surface; run. 6% Bentonite ates all wells sha red for control. 00# WP (See attach JRAM: PROFOGALETO DEEPEN</td><td>ncountered. if 8-5/8" line aring proration ed schematic GREUG BACL OVEDATA O</td><td>er set circul</td><td>ate to 1500' and ECENVED MAY 25 1989 CONSERVATION DIV. SANTA FE</td></t<>	7-7/8" * 8-5/8" liner * If 8-5/8" lin temperature s Lead: Class " Tail: Class " Phillips Petr Use mud addi BOP Equip: IN ABOVE SPACE DES EDGE GENERACYOUT MEN	will be run on her not set circ survey will be 'C" 65/35 Poz + 'C" Neat coleum Co. oper tives as requir Series 900, 300 CRIBE PROPOSED PROC ENTER PROFOSED PROC	ly if waterflow er culate to surface; run. 6% Bentonite ates all wells sha red for control. 00# WP (See attach JRAM: PROFOGALETO DEEPEN	ncountered. if 8-5/8" line aring proration ed schematic GREUG BACL OVEDATA O	er set circul	ate to 1500' and ECENVED MAY 25 1989 CONSERVATION DIV. SANTA FE
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Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

1

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

× 4.

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

DISTRICT III 1000 Rio Brazos Rd., Aziec, 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

rator			Lease		Well No.
Phillips	s Petroleum	Company	M.E. Hale		21
Letter	Section	Township	Range	County	
0	35	17 South	34 East	NMPM	Lea
al Footage Lo	cation of Well:	· <u></u>			
1000	feet from the	South	ine and 2240	feet from the	East line
ind level Elev.		ucing Formation	Pool		Dedicated Acreage:
4015.7			Vacuum Gravbu	rg-San Andres	40 Acres
	ne the acreage dedi	urg-San Andres	Hored pencil or hachure marks on the	plat below.	
3. If mo		different ownership is dedica , etc.?	each and identify the ownership there	·	
, C	Yes		"yes" type of consolidation		
	er is "no" list the ov n if neccessary.	vners and tract descriptions w	hich have actually been consolidated.	(Use reverse side of	
		ed to the well until all interes	ts have been consolidated (by commu	nitization unitization forced-r	noting, or otherwise)
			s been approved by the Division.		<b>B</b> ,,
					ATOR CERTIFICATION
	D	С	В		RATOR CERTIFICATION
	İ		1		reby certify that the information herein in true and complete to the
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# M. E. HALE LEASE Vaccum Grayburg/San Andres Field Lea County, New Mexico Well No. 21

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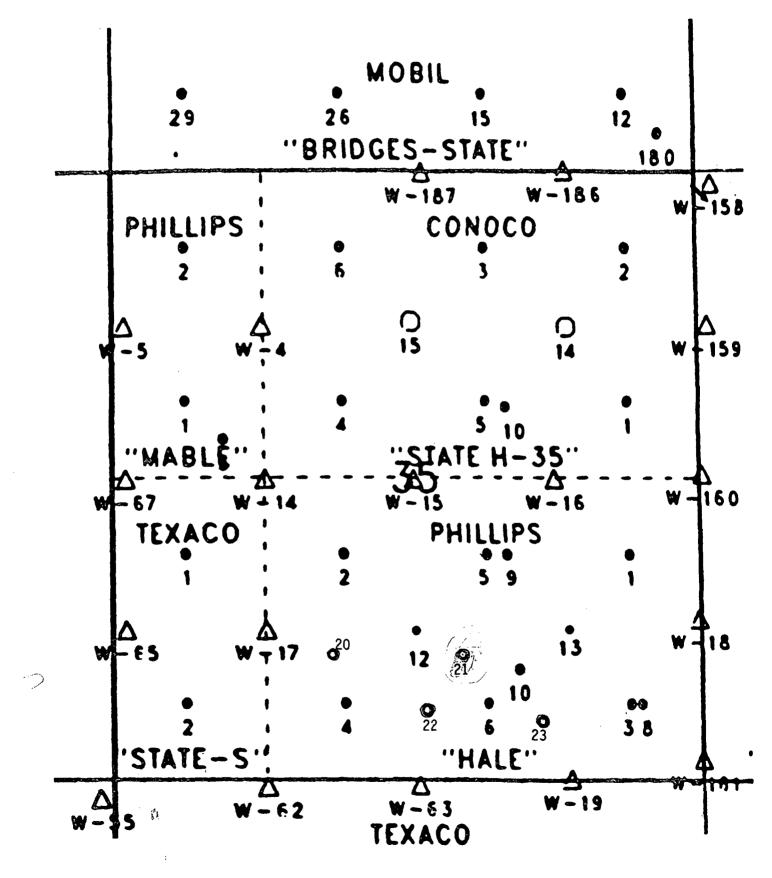
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The proposed 10 acre infill producer is required to increase secondary as well as tertiary recovery efficiency from the Phillips M. E. Hale Lease. Phillips Petroleum Company

Hale-Mable Vacuum Gb/SA Pressure Maintenance Project

**O** - PROPOSED WELLS





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## PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP

May 15, 1989

Unorthodox Location M. E. Hale Lease Well Nos. 20, 21, 22, and 23 Vacuum Grayburg/San Andres Pool Lea County, New Mexico

Texaco, Inc. P. 0. 728 Hobbs, New Mexico 88240

Gentlemen:

Phillips Petroleum Company has made application to the Oil Conservation Division of the State of New Mexico Energy, Minerals and Natural Resources Department, requesting approval of an unorthodox location for the subject wells. As offset operator to the proration units of these locations, your waiver is requested.

If you have no objections to these locations, please sign below and return to the undersigned.

Yours very truly,

Aavery M. Sanders by mp

Larry M. Sanders, Supervisor Regulation and Proration

Texaco, Inc. hereby waives any and all objections to the drilling of the subject wells.

Texaco, Inc.

A.J.Seeman Stgned 5/19/89

LMS:AP Attachment

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## PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

June 27, 1989

EXPLORATION AND PRODUCTION GROUP

Request for Unorthodox Location Revised Plat M. E. Hale Lease, Well No. 21 Lea County, New Mexico

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

Attn: William J. LeMay Director

Gentlemen:

Enclosed is a revised plat showing the correct Section and Township for our proposed M. E. Hale, Well No. 21. The plat submitted with our letter dated June 23, 1989, requesting a change in our previously approved unorthodox location, incorrectly showed the well location as Section 17 and the Township as 35 South instead of the correct Section 35 and Township 17 South.

We apologize for this error and would appreciate your expeditious response to our request so that the drilling of the proposed well may commence promptly.

Very truly yours,

J.M. Sanders 1. AP

L. M. Sanders Regulation & Proration Supervisor

LMS:AP Attachment

UEGECVED JUL - 2 1989 OIL CONSERVATION DIV. SANTA FE

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

DISTRICT III

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

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

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

State of New Mexico

Energy, Minerals and Natural Resources Department

**OIL CONSERVATION DIVISION** 

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102

Revised 1-1-89

All Distances must be from the outer boundaries of the section

1000 Rio Brazos Rd., Aztec, NM 87410 Well No. Operator A186 Phillips Petroleum Co. 21 M.E. Hale Unit Letter Section Township County Range  $\cap$ 35 17 South 34 East Lea NMPM Actual Footage Location of Well: 1194 2040 feet from the south feet from the east line line and Ground level Elev. Producing Formation Pool Dedicated Acreage: 4014.8' ۰. 40 Vacuum Grayburg/San Andres Gravburg/San Andres Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks 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.? Yes No No If answer is "yes" type of consolidation If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if neccessary. No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION Α Ĉ B D I hereby certify that the information contained herein in true and complete to the best of the knowledge and belief. L. M. Sanders Printed Name Regulation & Proration Supv. Е ਸ G Н Position Phillips Petroleum Company Company June 27, 1989 Date SURVEYOR CERTIFICATION Ι Κ L 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 belief. Date Surveyed June 9, 1989 2040 Signature & Seal of 010 Ν 0 `<sup>300′</sup> ∙10 Professional Surveyor rtificate JOHN W. WEST 676 RONALD J. EIDSON, 3239 (1)W. 330 660 990 1320 1650 1980 2310 2640 2000 1000 1500 500 0

Received

JUN 2 8 1989

PHILLIPS 66

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PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

June 16, 1989

P.B.R. Regulate systemtion

EXPLORATION AND PRODUCTION GROUP

Unorthodox Location M. E. Hale Lease Well Nos. 20 and 21 Vacuum Grayburg/San Andres Pool Lea County, New Mexico

Texaco, Inc. P. O. Box 728 Hobbs, New Mexico 88240

Gentlemen:

Phillips Petroleum Company has made application to the Oil Conservation Division of the State of New Mexico Energy, Minerals and Natural Resources Department, requesting approval of a change in location of the already approved unorthodox locations for the subject wells. Well No. 20 is to be located 1225' FSL and 2000' FWL of Section 35, T-17-S, R-34-E and Well No. 21 is to be located 1194' FSL and 2040' FEL of Section 35, T-17-S, R-34-E, Lea County, New Mexico. The subject wells had been previously approved at 1090'FSL and 1870' FWL and 1000' FSL and 2240' FEL, Section 35, respectively. As offset operator to the proration units of these locations, your waiver is requested.

If you have no objections to these locations, please sign below and return to the undersigned.

Yours very truly,

Jarry M. Landers by DD

Larry M. Sanders, Supervisor Regulation and Proration

Texaco, Inc. hereby waives any and all objections to the drilling of the subject wells.

Texaco, Inc.

Signed

Date 6-27-89



## PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

June 23, 1989

EXPLORATION AND PRODUCTION GROUP

Request for Revision of Administrative Order NSL-2662 and NSL-2663 for Location Change M. E. Hale Lease, Well Nos. 20 and 21 Vacuum Grayburg/ San Andres Pool Lea County, New Mexico

State of New Mexico Energy, Minerals and Natural Resources Dept. Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501-2088

Attn: William J. LeMay Director

Gentlemen:

Administrative approval, provided by Statewide Rule 104F (III)(IV), is requested to permit drilling of the subject wells at unorthodox locations. Previous approval for the unorthodox locations of the wells was granted June 5, 1989 by Administrative Order NSL-2662 and NSL-2663. The locations of the proposed wells had been changed to center each well in a more efficient production/injection pattern. Revised plats are included herein.

Texaco, Inc., as offset operator, has been notified by copy of this application on this date.

Your early consideration is appreciated. Contact me at (915) 367-1488 if you have any questions.

Your very truly,

Jarry M. Landers by ap

Larry M. Sanders, Supervisor Regulation and Proration

LMS:AP

Attachment

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

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4.

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

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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

All Distances must be from the outer boundaries of the section

		Lease				Well No.	
s Petrol	eum Co.		M.E. Hal	.e			21
tion	Township	Range			County	· · · · · · · · · · · · · · · · · · ·	
17	35 South	34	4 East	NMPM	rl .	Lea	
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Produc	ing Formation	Pool				Dedicated Acre	age:
Gravh	ira/San Andres	Vacuu	ım Grayburg	/San And	dres	40	Acres
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D                 	F	G		H I	I hereby contained here best of my brow Signature L. M. Sa Printed Name Regulati Voition Phillips Company June 19, Date	certify that the in in true and c ledge and belief. Inclus ly inders on & Pror Petroleur 1989	he information complete to the 4 GD ation Su m Compan
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## ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

**OIL CONSERVATION DIVISION** 

# JUN 0 8 1989

Received

P.E.R. Seculatory Sectio

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 822-5800

GARREY CARRUTHERS

June 5, 1989

Phillips Petroleum Company 4001 Penbrook Room 401 Odessa, TX 79762

Attention: L.M. Sanders Supervisor, Regulation and Proration

Administrative Order NSL-2663

Dear Mr. Sanders:

Reference is made to your application of May 25, 1989 for a non-standard oil well location to permit the completion of an efficient production/injection pattern within a secondary recovery project for your M.E. Hale Well No. 21 to be located 1000 feet from the South line and 2240 feet from the East line (Unit O) of Section 35, Township 17 South, Range 34 East, NMPM, Vacuum Grayburg San Andres Pool, Phillips Hale-Mable Vacuum Grayburg San Andres Pressure Maintenance Project Area, Lea County, New Mexico. Said well to be dedicated to the existing standard 40-acre oil spacing and proration unit comprising the SW/4 SE/4 of said Section 35.

By the authority granted me under the provisions of General Rule 104 F(I) and Rule 9 of the Special Rules and Regulations for the Phillips Hale-Mable Vacuum Grayburg San Andres Pressure Maintenance Project as promulgated by Division Order No. R-7103, as amended, the above-described unorthodox oil well location is hereby approved.

Sincerely William J. LeMay Director WJL/MES/ag

cc: Oil Conservation Division - Hobbs NM Oil and Gas Engineering Committee - Hobbs NM State Land Office - Santa Fe Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

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DISTRICT I P.O. Box 1980, Hobba, 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

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## **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

Operator				Lease				Well No.	
Phill	ips Petrol	leum Co.			М.	E. Hale		20	
	ection	Township		Range			County		
N	35	17 South	1 I	34 E	ast	NMP		ea	
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	e acreage dedicate	d to the subject well b	y colored pear	il or hachure	marks on the	plat below.	<u></u>	J.,,,,,	
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ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

**OIL CONSERVATION DIVISION** 

GARREY CARRUTHERS

POST OFFICE 80X 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

June 5, 1989

Phillips Petroleum Company 4001 Penbrook Odessa, TX 79762

Attention: Larry M. Sanders Supervisor, Regulation and Proration

Administrative Order NSL-2662

Dear Mr. Sanders:

Reference is made to your applications of May 25, 1989 for two nonstandard oil well locations to be included within an existing 40acre standard oil spacing and proration unit comprising the SE/4 SW/4 (Unit N) of Section 35, Township 17 South, Range 34 East, NMPM, Vacuum Grayburg-San Andres Pool, Phillips Hale-Mable Vacuum Grayburg San Andres Pressure Maintenance Project Area, Lea County, New Mexico.

It is my understanding that the following described wells are necessary to complete an efficient production/injection pattern within said secondary recovery project:

M.E. Hale Well No. 20 to be located 1090 feet from the South line and 1870 feet from the West line; and,

M.E. Hale Well No. 22 to be located 650 feet from the South line and 2630 feet form the West line.



ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

6-27-89

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

GARREY CARRUTHERS

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

RE:	Proposed:	
	MC	
	DHC	
	NSL X	amendment
	NSP	
	SWD	
	WFX	<u> </u>
	PMX	

HEGEIWED

JUN 30 1989

OIL CONSERVATION DIV. SANTA FE

Gentlemen:

I have examined the application for the: #21-0 35-17-34 <u>Phillips Pet Co.</u> <u>m.E. Hale # 20-N 35-17-34</u> Operator Lease & Well No. Unit S-T-R

\_\_\_\_\_

and my recommendations are as follows:

ours very truly Jerry Sexton Supervisor, District 1

/ed

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

**OIL CONSERVATION DIVISION** 



GARREY CARRUTHERS

July 10, 1989

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

Phillips Petroleum Company 4001 Penbrook Room 401 Odessa, TX 79762

Attention: Larry M. Sanders Supervisor, Regulation and Proration

Amended Administrative Order NSL-2663

Dear Mr. Sanders:

Reference is made to your application of June 27, 1989 to amend Administrative Order NSL-2663 so that the location for your proposed M.E. Hale Well No. 21 may be changed to a more desirable location for the completion of a more efficient production/injection pattern within the Phillips Hale-Mable Vacuum Grayburg San Andres Pressure Maintenance Project Area.

By the authority granted me under the provisions of General Rule 104 F(I) and Rule 9 of the Special Rules and Regulations for the Phillips Hale-Mable Vacuum Grayburg San Andres Pressure Maintenance Project as promulgated by Division Order No. R-7103, as amended, the unorthodox oil well location for the M.E. Hale Well No. 21 to be drilled 1194 feet from the South line and 2040 feet from the East line (Unit O) of Section 35, Township 17 South, Range 34 East, NMPM, Vacuum Grayburg San Andres Pool, Lea County, New Mexico is hereby <u>approved</u>. Said well to be dedicated to the existing standard 40-acre oil spacing and proration unit comprising the SW/4 SE/4 of said Section 35.

The original Administrative Order NSL-2663 dated June 5, 1989 is hereby rescinded and of no further effect.

Sincerely, William J. ay Director WJL/MES/ag

cc: Oil Conservation Division - Hobbs NM Oil and Gas Engineering Committee - Hobbs NM State Land Office - Santa Fe



ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

5-23-89

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

GARREY CARRUTHERS

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:

M.E. Hale #21-0 35-17-34 se & Well No. Unit S-T-R lease Operator

and my recommendations are as follows:

Youns very truly

Jerry(Sexton Supervisor, District 1



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