

Oil Conservation Division

PMX-176
PDEV0020700176

August 11, 1995

Phillips Petroleum Company
4001 Penbrook
Odessa, Texas 79762

Attn: Mr. Kevin E. Snow

**RE: Injection Pressure Increase East Vacuum Grayburg San
Andres Unit Waterflood Project Lea County, New Mexico**

Dear Mr. Snow:

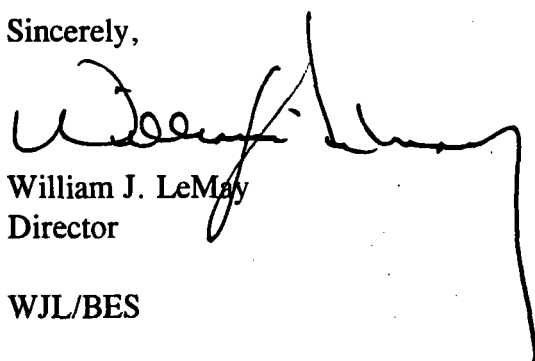
Reference is made to your request dated July 20, 1995 to increase the surface injection pressure on one well in the above referenced waterflood project. This request is based on a step rate test conducted on this well on July 10, 1995. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on this well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well:

Well and Location	Maximum Injection Surface Pressure
East Vacuum Grayburg San Andres Unit Well No. 3374-387, Unit Letter "L"	2230 PSIG
Located in Section 33 of Township 17 South, Range 35 East, Lea County, New Mexico.	

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,



William J. LeMay
Director

WJL/BES

cc: Oil Conservation Division - Hobbs
File: PMX-176; PSI-X 3rd QTR 95
1st



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762
4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP
Permian Basin Region

Odessa, Texas

July 17, 1995

Re: Request for Increased Injection Pressure
East Vacuum Grayburg San Andres Unit
Waterflood Project - Lea County, N.M.
NMOCD Administrative Order No. PMX-176

Mr. David R. Catanach
State of New Mexico
Energy, Minerals & Natural Resources Dept.
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87504

Dear Mr. Catanach:

Phillips Petroleum Company requests administrative approval to increase the maximum surface injection pressure to 1500 psig on East Vacuum Grayburg San Andres Unit Well No. 387, Lea County, New Mexico. Attached are recent injection step-rate tests submitted as proof that the requested injection pressure is below the formation parting pressure. The measured parting pressure is 2280 psig for Well No. 387.

The subject well was approved under NMOCD Administration Order No. PMX-176, on September 20, 1994. A copy of the Exhibit A of this Order is attached for your reference.

If you have any questions or require further information, please call me at (915) 368-1536.

Sincerely,

Kevin E. Snow
Production Engineer

KES/d

Attachments

cc - Mr. Jerry Sexton
NMOCD District 1
P. O. Box 1980
Hobbs, NM 88240

L. D. Hallenbeck
L. S. Sanders
Central Files

PSI

N/R

OIL CONSERVATION DIVISION
RECEIVED

95 JUL 20 AM 8 52

EXHIBIT "A"
DIVISION ORDER NO. PMX-176
EAST VACUUM GRAYBURG SAN ANDRES UNIT PRESSURE MAINTENANCE PROJECT
APPROVED ALTERNATE WATER/CO₂ INJECTION WELLS

<i>Well Name</i>	<i>Well No.</i>	<i>Location</i>	<i>Unit</i>	<i>S-T-R</i>
East Vacuum Grayburg San Andres Unit	383	1219'FSL & 1769'FWL	M	33-17S-35E
"	384	825'FSL & 2524'FEL	O	32-17S-35E
"	385	875'FSL & 1160'FEL	P	32-17S-35E
"	386	1310'FSL & 531'FWL	M	32-17S-35E
"	387	1440'FSL & 508'FWL	L	33-17S-35E

ALL IN LEA COUNTY, NEW MEXICO

RECEIVED	LINE	(GROSS)	(GROSS)	(GROSS)	(GROSS)	(GROSS) (1)-(2)	(GROSS) (2)-(3)	(GROSS)
DATE		AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
		(1)	(2)	(3)	(4)	(5)	(6)	(7)
15:30		1188'2				1188'2		0504'2
15:32		1321'0				1321'0		3303'4
15:30		1290'0				1290'0		3450'0
15:10		1051'1				1051'1		3210'8
15:10		1001'3				1001'3		3000'0
15:11		1001'2				1001'2		3013'4
15:10		5031'3				5031'3		4002'0
3/10/11 - DOWN DUE TO POL-ONE OR RETTRED C/LE AVIAR REPAIRING								
				4035'0				
15:10		5100'3	100'4	4035'0	100'310	5210'8	111'00	4031'0
15:10		5042'1	102'4	4035'0	100'310	5422'8	111'00	4500'0
15:02		5220'0	111'4	4035'0	100'310	5300'0	111'00	4521'5
				3000'0				
15:00		5211'5	121'4	3050'0	102'120	5301'4	102'04	4112'1
11:22		5041'0	144'8	3050'0	102'120	5102'5	102'04	4154'0
11:20		5300'0	135'3	3211'5	101'110	5101'0	104'10	4010'1

