



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

Lori Wrotenberg

Director

Oil Conservation Division

March 5, 2001

ADMINISTRATIVE ORDER IPI-149-0

WISER OIL CO (THE)
8115 PRESTON RD
STE 400
DALLAS, TX 75225-

Attention: Matt Eagleston

RE: Injection Pressure Increase

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

<i>API Well No</i>	<i>Well Name and Number</i>	<i>ULSTR</i>	<i>Authorized Pressure (PSIG)</i>
30-025-32044-00-00	CAPROCK MALJAMAR UNIT - 20	H-20-17S-33E	2970
30-025-01450-00-00	CAPROCK MALJAMAR UNIT - 30	N-17-17S-33E	2970
30-025-00666-00-00	CAPROCK MALJAMAR UNIT - 48	G-24-17S-32E	3090
30-025-00662-00-00	CAPROCK MALJAMAR UNIT - 49	H-24-17S-32E	3090
30-025-01479-00-00	CAPROCK MALJAMAR UNIT - 39	B-19-17S-33E	2980
30-025-01480-00-00	CAPROCK MALJAMAR UNIT - 52	G-19-17S-33E	2980
30-025-01499-00-00	CAPROCK MALJAMAR UNIT - 42	C-20-17S-33E	2855
30-025-01500-00-00	CAPROCK MALJAMAR UNIT - 55	F-20-17S-33E	2855
30-025-01490-00-00	CAPROCK MALJAMAR UNIT - 70	J-20-17S-33E	2675
30-025-01492-00-00	CAPROCK MALJAMAR UNIT - 71	I-20-17S-33E	2675
30-025-01504-00-00	CAPROCK MALJAMAR UNIT - 44	A-20-17S-33E	2965
30-025-01511-00-00	CAPROCK MALJAMAR UNIT - 45	D-21-17S-33E	2965
30-025-01530-00-00	CAPROCK MALJAMAR UNIT - 91	F-28-17S-33E	2930
30-025-01531-00-00	CAPROCK MALJAMAR UNIT - 94	K-28-17S-33E	2930
30-025-01475-00-00	CAPROCK MALJAMAR UNIT - 80	P-19-17S-33E	3240
30-025-00664-00-00	CAPROCK MALJAMAR UNIT - 36	A-24-17S-32E	3090
30-025-01455-00-00	CAPROCK MALJAMAR UNIT - 19	L-17-17S-33E	2970
30-025-01485-00-00	CAPROCK MALJAMAR UNIT - 38	C-19-17S-33E	2980
30-025-01505-00-00	CAPROCK MALJAMAR UNIT - 54	E-20-17S-33E	2855
30-025-01506-00-00	CAPROCK MALJAMAR UNIT - 56	G-20-17S-33E	2675
30-025-01509-00-00	CAPROCK MALJAMAR UNIT - 58	E-21-17S-33E	2965
30-025-01526-00-00	CAPROCK MALJAMAR UNIT - 93	L-28-17S-33E	2930

Administrative Order IPI-149-0

WISER OIL CO (THE)

March 5, 2001

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30-025-33621-00-00

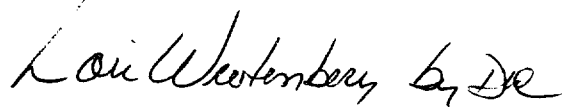
CAPROCK MALJAMAR UNIT - 263

M-20-17S-33E

3240

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Lori Wrotenbery b7D".

Lori Wrotenbery,
Director

LW/DRC

cc: Oil Conservation Division - Hobbs

Case File 10932, WFX-666, WFX-696, WFX-698, WFX-694



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

May 9, 1995

Wiser Oil Company
c/o Shahara Oil Corporation
207 West McKay
Carlsbad, NM 88220

Attention: Perry L. Hughes

**CERTIFICATION OF ENHANCED OIL RECOVERY PROJECT
FOR RECOVERED OIL TAX RATE**

The New Mexico Oil Conservation Division hereby certifies that the following Enhanced Oil Recovery Project has been approved by the Division as a secondary project, pursuant to the provisions of the *New Mexico Enhanced Oil Recovery Act* (Laws of 1992, Chapter 38). In order to qualify for the *Recovered Oil Tax Rate*, you must apply for certification of positive production response within five years from the date of this certification. (That date on which injection operations commenced.) Only production from that portion of the project area identified herein which is actually developed for enhanced recovery will qualify for the reduced tax rate.

If operation of this project is terminated for any reason, the operator of the project must notify this Division and the Secretary of the Taxation and Revenue Department not later than the thirtieth day after termination.

NAME OF PROJECT: Caprock Maljamar Unit - Phase II

OCD ORDER NO. R-10094

OPERATOR: Wiser Oil Company
ADDRESS: c/o Shahara Oil Corporation
207 West McKay
Carlsbad, NM 88220
Attention: Perry L. Hughes

CERTIFICATION DATE: November 8, 1994

EOR Project Certification
Caprock Maljamar Unit - Phase II

PROJECT AREA:

TOWNSHIP 17 SOUTH, RANGE 32 EAST, NMPM

Section 13: NE/4 SE/4, S/2 SE/4

Section 24: NE/4

TOWNSHIP 17 SOUTH, RANGE 32 EAST, NMPM

Section 17: N/2, NE/4 SE/4

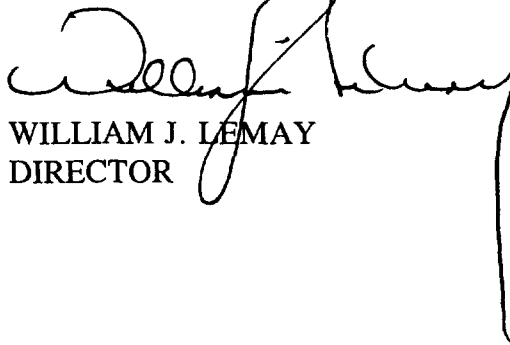
Section 18: NE/4, S/2

Section 19: NW/4, NW/4 SE/4, SE/4 SE/4

Section 20: N/2 SE/4, NE/4 SW/4, SW/4 SW/4

APPROVED BY:

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
DIRECTOR

S E A L



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

May 9, 1995

Department of Taxation and Revenue
P.O. Box 630
Santa Fe, NM 87509-0630

Attention: Mr. John Chavez, Secretary

RE: *Certification of EOR Project*
Wiser Oil Company
Caprock Maljamar Unit - Phase II

Dear Secretary Chavez:

Enclosed is a copy of the certification issued to Wiser Oil Company for its Caprock Maljamar Unit - Phase II EOR project, certified by this Division on November 8, 1994, to be a qualified Enhanced Oil Recovery Project. If the operator applies for certification of positive production response within five years from that date, this project will be eligible for the *Recovered Oil Tax Rate* as provided in Laws of 1992, Chapter 38.

Only oil production from that portion of the lands identified in the certification which is actually developed for enhanced recovery will be eligible for the reduced tax rate. At the time positive production response is certified, we will identify for you the specific lands and wells within the project which qualify for the *Recovered Oil Tax Rate*.

Sincerely,

A handwritten signature in dark ink, appearing to read "William J. LeMay", written over the typed name and title.

William J. LeMay
Director

WJL/BES

Enclosures



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

May 16, 2000

The Wiser Oil Company
8115 Preston Road, Suite 400
Dallas, Texas 75225

Attn: Mr. Matt Eagleston

**RE: Injection Pressure Increase,
Caprock Maljamar Unit,
Lea County, New Mexico**

Reference is made to your request dated May 15, 2000 to increase the surface injection pressure on 18 wells in the above referenced waterflood project. This request is based on step rate tests conducted between February 1 and April 25, 2000. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on these wells is justified at this time.

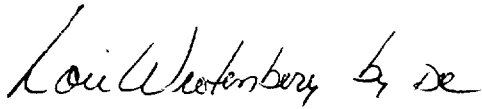
You are therefore authorized to increase the surface injection pressure on the following wells:

Recently Tested Well Name and Number	Adjacent Well Name and Number	ULSTR	Authorized Pressure
CMU Well No. 1		B-18-17S-33E	2500 PSIG
	CMU Well No. 2	A-18-17S-33E	2500 PSIG
	CMU Well No. 7	G-18-17S-33E	2500 PSIG
CMU Well No. 9		E-17-17S-33E	2675 PSIG
	CMU Well No. 3	D-17-17S-33E	2675 PSIG
	CMU Well No. 260	H-18-17S-33E	2675 PSIG
CMU Well No. 12		H-17-17S-33E	2550 PSIG
	CMU Well No. 6	A-17-17S-33E	2550 PSIG
	CMU Well No. 22	I-17-17S-33E	2550 PSIG
CMU Well No. 21		J-17-17S-33E	2520 PSIG
	CMU Well No. 31	O-17-17S-33E	2520 PSIG
	CMU Well No. 32	P-17-17S-33E	2520 PSIG
CMU Well No. 25		M-18-17S-33E	2810 PSIG
	CMU Well No. 36	A-24-17S-32E	2810 PSIG
	CMU Well No. 37	D-19-17S-33E	2810 PSIG
CMU Well No. 267		F-24-17S-32E	2725 PSIG
	CMU Well No. 265	C-24-17S-32E	2725 PSIG
	CMU Well No. 266	E-24-17S-32E	2725 PSIG
All wells located in Lea County, New Mexico.			

Injection Pressure Increase
The Wiser Oil Company
May 16, 2000
Page 2

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Lori Wrotenberg".

Lori Wrotenberg
Director

LW/MWA/kv

cc: Oil Conservation Division - Hobbs
Files: Case No. 10932, Order No. R-10094; WFXs-694, 698; IPI 2nd QTR-2000



**NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

February 9, 2000

The Wiser Oil Company
8115 Preston Road, Suite 400
Dallas, Texas 75225

Attn: Mr. Matt Eagleston

**RE: Injection Pressure Increase,
Caprock Maljamar Unit,
Lea County, New Mexico**

Reference is made to your request dated December 22, 1999 to increase the surface injection pressure on 18 wells in the above referenced waterflood project. This request is based on step rate tests conducted between October 19 and November 11, 1999. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on these wells is justified at this time.

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

Recently Tested Well Name and Number	Adjacent Well Name and Number	ULSTR	Authorized Pressure
CMU Well No. 4		C-17-17S-33E	2434 PSIG
	CMU Well No. 5	B-17-17S-33E	2434 PSIG
	CMU Well No. 10	F-17-17S-33E	2434 PSIG
CMU Well No. 24		P-13-17S-32E	2565 PSIG
	CMU Well No. 14	I-13-17S-32E	2565 PSIG
	CMU Well No. 23	O-13-17S-32E	2565 PSIG
CMU Well No. 28		P-18-17S-33E	2432 PSIG
	CMU Well No. 18	I-18-17S-33E	2432 PSIG
	CMU Well No. 29	M-17-17S-33E	2432 PSIG
CMU Well No. 69		K-20-17S-33E	2540 PSIG
	CMU Well No. 68	L-20-17S-33E	2540 PSIG
CMU Well No. 79		O-19-17S-33E	2542 PSIG
	CMU Well No. 66	J-19-17S-33E	2542 PSIG
	CMU Well No. 67	I-19-17S-33E	2542 PSIG
CMU Well No. 83		O-20-17S-33E	2515 PSIG
	CMU Well No. 82	N-20-17S-33E	2515 PSIG
	CMU Well No. 84	P-20-17S-33E	2515 PSIG
All wells located in Lea County, New Mexico.			

Injection Pressure Increase

The Wiser Oil Company

February 9, 2000

Page 2

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Lori Wrotenbery".

Lori Wrotenbery

Director

LW/MWA/kv

cc: Oil Conservation Division - Hobbs

Files: Case No. 10932, Order No. R-10094; WFXs-694, 698; IPI 1st QTR-2000

NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

September 15, 1995

The Wiser Oil Company
P.O. Box 3232
Carlsbad, New Mexico 88221-3232

Attn: Mr. Perry L. Hughes

**RE: Injection Pressure Increase Caprock Maljamar Unit Waterflood
Project Lea County, New Mexico**

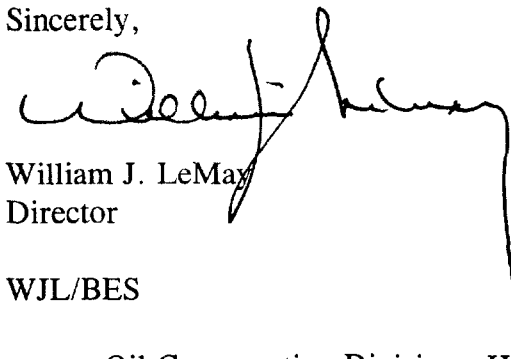
Dear Mr. Hughes:

Reference is made to your request dated August 25, 1995 to increase the surface injection pressure on 44 wells. This request is based on 6 previously run step rate tests conducted on other wells in the project. My staff has reviewed your request and we feel that an increase in injection pressure on 2 of the wells is justified at this time. You are therefore authorized to increase injection pressure on the following 2 wells:

<i>Well and Location</i>	<i>Pressure</i>
Caprock Maljamar Unit Well No.90 Unit E, 28-T17S-R33E	2310 PSIG
Caprock Maljamar Unit Well No.101 Unit P, 28-T17S-R33E	2310 PSIG
Both located in 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: 1st Quarter 96 PSI-X; Case File No.10932 ✓

OIL CONSERVATION DIVISION

September 15, 1995

The Wiser Oil Company
P.O. Box 3232
Carlsbad, New Mexico 88221-3232

Attn: Mr. Perry L. Hughes

**RE: *Injection Pressure Increase Caprock Maljamar Unit Waterflood
Project Lea County, New Mexico***

Dear Mr. Hughes:

Reference is made to your request dated August 25, 1995 to increase the surface injection pressure on 44 wells and to base this increase on six step rate tests run previously in the project. My staff has review the request and we do not feel that a field-wide increase is justified at this time. However, an increase in injection pressure has been issued on 2 wells included in the request. To authorize a possible field-wide increase in injection pressures (for the remaining 42 wells), we would request to evaluate step rate test data on the following 14 wells:

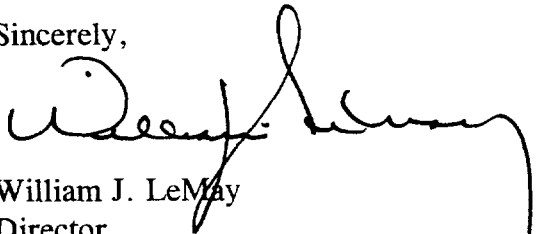
<i>Well Name & Number</i>	<i>Location</i>
Caprock Maljamar Unit Well No.1	Unit B, 18-T17S-R33E
Caprock Maljamar Unit Well No.4	Unit C, 17-T17S-R33E
Caprock Maljamar Unit Well No.6	Unit A, 17-T17S-R33E
Caprock Maljamar Unit Well No.9	Unit E, 17-T17S-R33E
Caprock Maljamar Unit Well No.12	Unit H, 17-T17S-R33E
Caprock Maljamar Unit Well No.13	Unit I, 13-T17S-R32E
Caprock Maljamar Unit Well No.15	Unit L, 18-T17S-R33E
Caprock Maljamar Unit Well No.17	Unit J, 18-T17S-R33E
Caprock Maljamar Unit Well No.26	Unit N, 18-T17S-R33E
Caprock Maljamar Unit Well No.42	Unit C, 20-T17S-R33E
Caprock Maljamar Unit Well No.51	Unit F, 19-T17S-R33E

Injection Pressure Increase
The Wiser Oil Company
September 15, 1995
Page 2

<i>Well Name & Number</i>	<i>Location</i>
Caprock Maljamar Unit Well No.57	Unit H, 20-T17S-R33E
Caprock Maljamar Unit Well No.59	Unit F, 21-T17S-R33E
Caprock Maljamar Unit Well No.69	Unit K, 20-T17S-R33E
All located in Lea County, New Mexico.	

Should your company decide to conduct such tests, we will expedite the approval of a field-wide increase in injection pressures, dependent upon the results of such tests.

Sincerely,



William J. LeMay
Director

WJL/BES

cc: Oil Conservation Division - Hobbs
File: 1st Quarter 96 PSI-X; Case File No.10932 ✓



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

November 14, 1994

The Wiser Oil Company
c/o Shahara Oil Corporation
P.O. Box 3232
Carlsbad, New Mexico 88221-3232

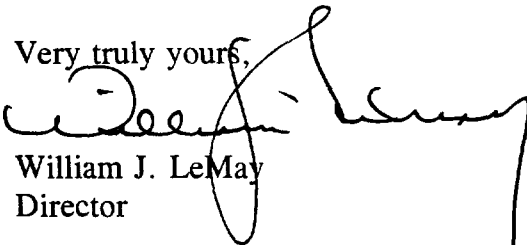
Attn: Mr. Perry L. Hughes

RE: Explanation of Calculations for Injection Pressure Increase

Dear Mr. Hughes,

Reference is made to the enclosed approved injection pressure increases on 15 wells in your Caprock Maljamar Unit. The increase is based on step rate tests conducted on six of these wells. In a previous injection pressure increase (July 1, 1994), my staff used the average of actual tests to increase the pressure on wells which were not actually tested. In this case, the differential of the low and high pressures was approximately 685 psig and the figures averaged 2306 psig. However, in the recently tested group, the differential is 850 psig. We are concerned that an average in this case (2443 psig), may not be representative of all nine additional wells which were not tested. My staff instead used a median figure of 2310 psig for the maximum allowed surface injection pressure on these wells. This is very close to the average figure used previously. We hope this will sufficiently benefit your injection program in the Caprock Maljamar Unit.

Very truly yours,



William J. LeMay
Director

WJL/BES

cc: Oil Conservation Division - Hobbs



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION



2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

November 14, 1994

The Wiser Oil Company
P.O. Box 3232
Carlsbad, New Mexico 88221-3232

Attn: Mr. Perry L. Hughes

***RE: Injection Pressure Increase Caprock Maljamar Unit Waterflood
Project Lea County, New Mexico***

Dear Mr. Hughes:

Reference is made to your request dated October 10, 1994 to increase the surface injection pressure on 15 wells. This request is based on step rate tests conducted on 6 of these wells between September 20 and 28, 1994. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on these wells is justified at this time.

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

Well and Location	Maximum Injection Surface Pressure
Caprock Maljamar Unit Well No.35 Unit B, 24-T17S-R32E	1910 PSIG
Caprock Maljamar Unit Well No.36 Unit A, 24-T17S-R32E	2200 PSIG
Caprock Maljamar Unit Well No.49 Unit H, 24-T17S-R32E	2550 PSIG
Caprock Maljamar Unit Well No.80 Unit P, 19-T17S-R33E	2480 PSIG
Caprock Maljamar Unit Well No.91 Unit F, 28-T17S-R33E	2760 PSIG

Well and Location	Maximum Injection Surface Pressure
Caprock Maljamar Unit Well No.95 Unit J, 28-T17S-R33E	2755 PSIG
All wells located in Lea County, New Mexico.	

Additionally, based on representative data, you are authorized to increase the surface injection pressure on the following nine wells:

Well and Location	Maximum Injection Surface Pressure
Caprock Maljamar Unit Well No.48 Unit G, 24-T17S-R32E	2310 PSIG
Caprock Maljamar Unit Well No.95 Unit F, 21-T17S-R33E	2310 PSIG
Caprock Maljamar Unit Well No.62 Unit J, 24-T17S-R32E	2310 PSIG
Caprock Maljamar Unit Well No.66 Unit G, 19-T17S-R33E	2310 PSIG
Caprock Maljamar Unit Well No.74 Unit N, 24-T17S-R32E	2310 PSIG
Caprock Maljamar Unit Well No.86 Unit D, 21-T17S-R33E	2310 PSIG
Caprock Maljamar Unit Well No.97 Unit L, 27-T17S-R33E	2310 PSIG
Caprock Maljamar Unit Well No.99 Unit N, 28-T17S-R33E	2310 PSIG
Caprock Maljamar Unit Well No.102 Unit B, 33-T17S-R33E	2310 PSIG
All wells located in Lea County, New Mexico.	

Injection Pressure Increase
The Wiser Oil Company
November 14, 1994
Page 3

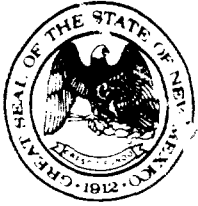
The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeMay
Director

WJL/BES

cc: Oil Conservation Division - Hobbs
File: 4th Quarter PSI-X; Case File No.10932



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

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

July 1, 1994

Wiser Oil Company
P.O. Box 250
Hobbs, NM 88241-0250

Attention: Perry L. Hughes

**RE: Injection Pressure Increase Caprock
Maljamar Unit Waterflood Project
Lea County, New Mexico**

Dear Mr. Hughes:

Reference is made to your request dated June 13, 1994 to increase the surface injection pressure on nine wells within the Caprock Maljamar Unit Waterflood Project. This request is based on step rate tests conducted on these wells during April and May, 1994. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on these wells is justified at this time.

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

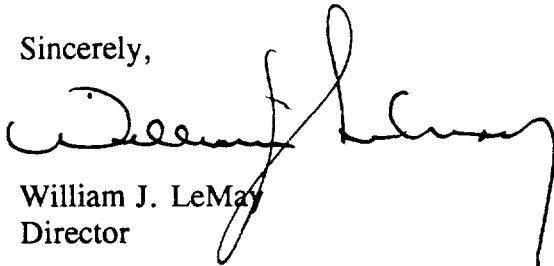
Well and Location	Maximum Injection Surface Pressure
CMU Well No. 21 Unit J, Section 17, Township 17 South, Range 33 East	2545 PSIG
CMU Well No. 30 Unit N, Section 17, Township 17 South, Range 33 East	2622 PSIG
CMU Well No. 32 Unit P, Section 17, Township 17 South, Range 33 East	2469 PSIG
CMU Well No. 39 Unit B, Section 19, Township 17 South, Range 33 East	1937 PSIG

Injection Pressure Increase
Wiser Oil Company
July 1, 1994
Page 2

Well and Location	Maximum Injection Surface Pressure
CMU Well No. 41 Unit D, Section 20, Township 17 South, Range 33 East	2168 PSIG
CMU Well No. 53 Unit H, Section 19, Township 17 South, Range 33 East	2096 PSIG
CMU Well No. 19 Unit L, Section 17, Township 17 South, Range 33 East	2306 PSIG
CMU Well No. 43 Unit B, Section 20, Township 17 South, Range 33 East	2306 PSIG
CMU Well No. 55 Unit F, Section 20, Township 17 South, Range 33 East	2306 PSIG
All wells located in 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/DRC/amg

cc: Oil Conservation Division - Hobbs
File: Case No. 10932
D. Catanach
R. Brown

NO WAITING PERIOD

COMPANY: The Wiser Oil Company
ADDRESS: P.O. Box 250
CITY, STATE, ZIP: Hobbs, New Mexico 88241-0250
ATTENTION: Perry L. Hughes

Re: Injection Pressure Increase

Caprock Matjama Unit
Water Flood Project
Lea County, New Mexico

Dear Sir:

Reference is made to your request dated June 13, 1994, to increase the surface injection pressure on nine wells within the Caprock Matjama Unit Water Flood Project. This request is based on step rate tests conducted on these wells during April - May, 1994. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on these wells is justified at this time.

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

<u>WELL & LOCATION</u>	<u>MAXIMUM SURFACE INJECTION PRESSURE</u>
CMU Well No. 21 Unit J, Section 17, T-17S, R-33E;	2545 PSIG
CMU Well No. 30 Unit N, Section 17, T-17S, R-33E;	2622 PSIG
CMU Well No. 32 Unit P, Section 17, T-17S, R-33E;	2469 PSIG
CMU Well No. 39 Unit B, Section 19, T-17S, R-33E;	1937 PSIG
CMU Well No. 41 Unit D, Section 20, T-17S, R-33E;	2168 PSIG
CMU Well No. 53 Unit H, Section 19, T-17S, R-33E;	2096 PSIG
CMU Well No. 19 Unit L, Section 17, T-17S, R-33E;	2306 PSIG
CMU Well No. 43 Unit B, Section 20, T-17S, R-33E;	2306 PSIG
CMU Well No. 55 Unit F, Section 20, T-17S, R-33E;	2306 PSIG

All in 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.

xc: T. GALLEGOS

D. CATANACH

FILE-

Case 10932

OCD-

11/16



STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

HOBBS DISTRICT OFFICE

June 17, 1994

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

RE: APPLICATION FOR PRESSURE LIMIT INCREASE FOR DISPOSAL & INJECTION WELLS

Gentlemen:

I have examined the step rate test for the:

The Wiser Oil Company	Caprock Maljamar Unit #53-H	19-17-33
Operator	Lease & Well No.	Unit S-T-R

and my recommendations are as follows:

OK

Very truly yours,

Jerry Sexton

Jerry Sexton
Supervisor, District I

/bp



STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

HOBBS DISTRICT OFFICE

JUN 17 1994 8 50

June 17, 1994

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POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

RE: APPLICATION FOR PRESSURE LIMIT INCREASE FOR DISPOSAL & INJECTION WELLS

Gentlemen:

I have examined the step rate test for the:

The Wiser Oil Company	Caprock Maljamar Unit #41-D	20-17-33
Operator	Lease & Well No.	Unit S-T-R

and my recommendations are as follows:

OK

Very truly yours

Jerry Sexton
Supervisor, District I

/bp



OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

'94 JUN 23 AM 8 50 OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

June 17, 1994

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

RE: APPLICATION FOR PRESSURE LIMIT INCREASE FOR DISPOSAL & INJECTION WELLS

Gentlemen:

I have examined the step rate test for the:

The Wiser Oil Company	Caprock Maljamar Unit #39-B	19-17-33
Operator	Lease & Well No.	Unit S-T-R

and my recommendations are as follows:

OK

Very truly yours

Jerry Sexton
Supervisor, District I

/bp



OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

June 17, 1994

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

RE: APPLICATION FOR PRESSURE LIMIT INCREASE FOR DISPOSAL & INJECTION WELLS

Gentlemen:

I have examined the step rate test for the:

The Wiser Oil Company	Caprock Maljamar Unit #32-P	17-17-33
Operator	Lease & Well No.	Unit S-T-R

and my recommendations are as follows:

M

Very truly yours

Jerry Sexton
Supervisor, District I

/bp



OIL CONSERVATION DIVISION STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

194 JUN 23 AM 8 50

June 17, 1994

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

RE: APPLICATION FOR PRESSURE LIMIT INCREASE FOR DISPOSAL & INJECTION WELLS

Gentlemen:

I have examined the step rate test for the:

The Wiser Oil Company	Caprock Maljamar Unit #30-N	17-17-33
Operator	Lease & Well No.	Unit S-T-R

and my recommendations are as follows:

OK

Very truly yours

Jerry Sexton
Supervisor, District I

/bp



CONSERVATION DIVISION

ENERGY

STATE OF NEW MEXICO
AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

June 17, 1994

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

RE: APPLICATION FOR PRESSURE LIMIT INCREASE FOR DISPOSAL & INJECTION WELLS

Gentlemen:

I have examined the step rate test for the:

The Wiser Oil Company	Caprock Maljamar Unit #21-J	17-17-33
Operator	Lease & Well No.	Unit S-T-R

and my recommendations are as follows:

OIC

Very truly yours

Jerry Sexton
Jerry Sexton
Supervisor, District I

/bp

QUALITY PRODUCTION CORP.

300 West Texas, Suite 408
Midland, Texas 79701
(915) 688-5155
FAX (915) 688-5137

207 W. McKay
Carlsbad, New Mexico 88220
(505) 885-5433
FAX (505) 885-4989

Post Office Box 250
Hobbs, New Mexico 88241-0250
(505) 397-2727
FAX (505) 393-4111

June 13, 1994

cc: David Catanach

Mr. Jerry Sexton
Oil Conservation Division
PO Box 1980
Hobbs, NM 88241-1980

Re: The Wiser Oil Company
Caprock Maljamar Unit - Phase 1 Re-Development
Division Order No. R-10094

Dear Jerry:

With reference to your letter of April 18, 1994 and the subject Order, enclosed are the results of six step-rate tests conducted in the Caprock Maljamar Unit (CMU). The subject Order found that 11 of the proposed 21 injectors in Phase 1 of the re-development have previously been permitted for injection. Nine of the 11 wells are current injectors and step-rate tests have been conducted on six of these wells. Attachment 1 summarizes the current status of all 21 proposed injectors for Phase 1.

Following is a summary of the results of the step-rate tests conducted during April and May of this year:

New Name	Old Name	Fracture Pressure - (psi)	Fracture Pressure - 50 psi
CMU #21	Western State #13	2595	2545
CMU #30	Western State #8	2672	2622
CMU #32	Western State #10	2519	2469
CMU #39	Phillips "B" State #5	1987	1937
CMU #41	Western State #6	2218	2168
CMU #53	Phillips "B" State #3	2146	2096
		-----	-----
Average		2356	2306

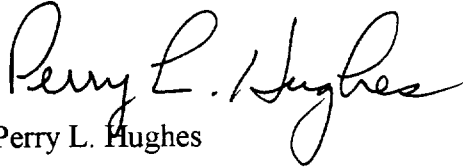
The Wiser Oil Company requests that the average fracture pressure minus 50 psi be assigned to CMU #19 (Western State #15), CMU 43 (Western State #5), CMU #55 (Western State #3). Therefore, the maximum allowable surface injection pressure would be 2306 psi. Attachment 2 is a sheet for each well which presents all data obtained for each of the six step rate tests. I recognize that the initial pressures of some of the wells are higher than desired, but we could not get the pressure bled down enough with present injection running about 2800 psi. The fracture pressures determined for

Mr. Jerry Sexton
Step-Rate Tests
Page Two

these wells seem consistent with the fracture pressures determined for those wells with low initial pressures.

Please contact me in Carlsbad at 885-5433 if additional information is required.

Sincerely,

A handwritten signature in black ink that reads "Perry L. Hughes". The signature is written in a cursive, flowing style.

Perry L. Hughes

PLH/mp

Enclosures

cc: Mr. David Catanach
OCD - Santa Fe

ATTACHMENT NO. 1

CMU PHASE 1 INJECTOR STATUS

New CMU No.	Old Name & No.	Current Status *
19 ***	Western State #15	I
20	Western State #14	P-TBC
21 **	Western State #13	I
29	Western State #11	P-TBC
30 **	Western State #08	I
31	Western State #07	P-TBC
32 **	Western State #10	I
39 **	Phillips "B" State #05	I
40	Phillips "B" State #04	P-TBC
41 **	Western State #06	I
42	Western State #02	P-TBC
43 ***	Western State #05	I
44	Western State #09	P-TBC
52	Phillips "B" State #06	P-TBC
53 **	Phillips "B" State #03	I
54	Western State #16	P-TBC
55 ***	Western State #03	I
56	Western State #01-Y	P-TBC
57	Western State #04	P&A
67	Phillips "B" State #02	P&A
68	Mal Gra Unit B #07	P-TBC

* I: Injecting

P-TBC: Producing - To Be Converted

P&A: Plugged & Abandoned - To Be Re-Entered or Re-Drilled

** Active injection wells on which step rate tests conducted April/May 1994

*** Other active injection wells

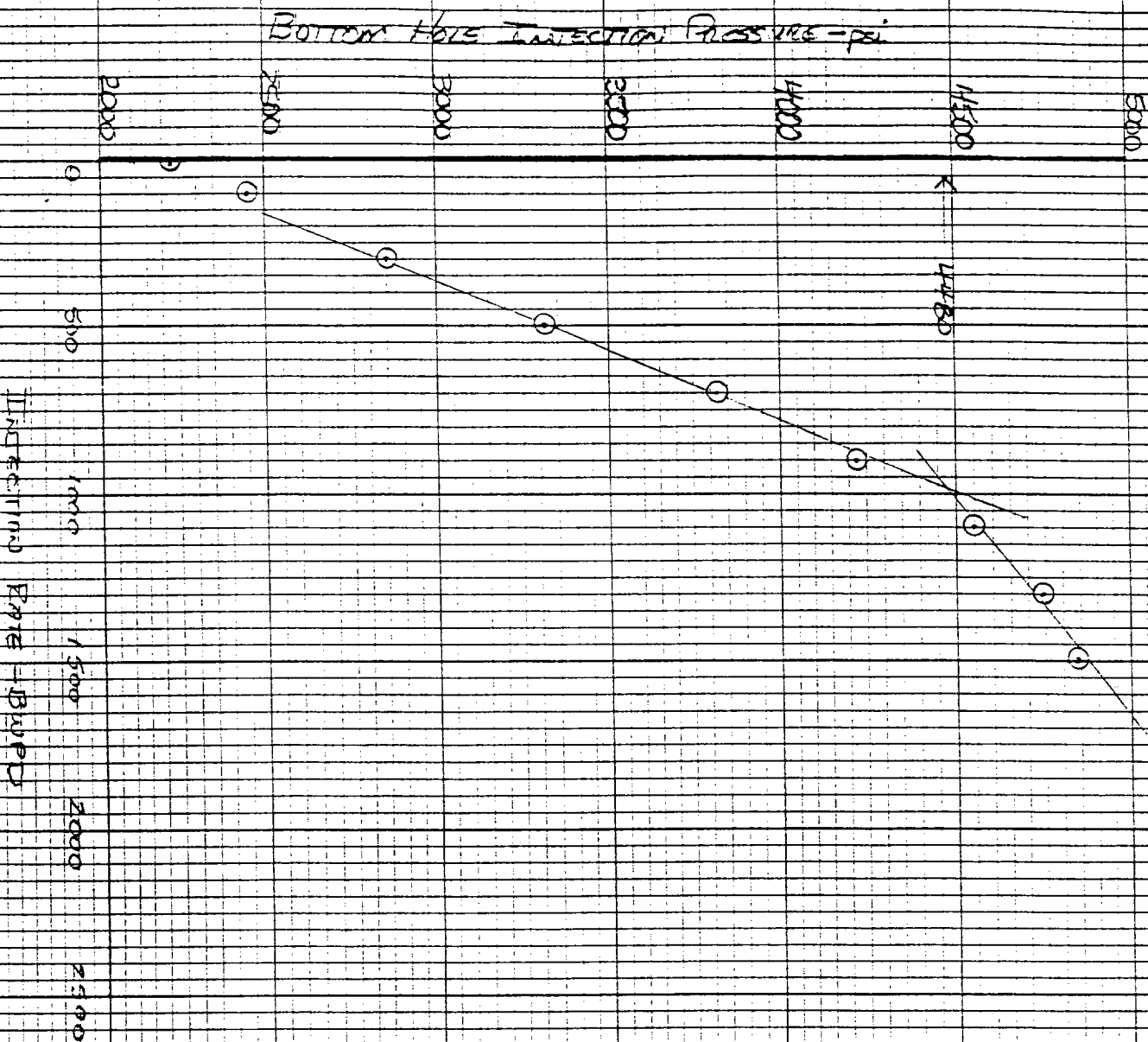
ATTACHMENT NO. 2

CMU #21
(Western State #13)

04/28/94

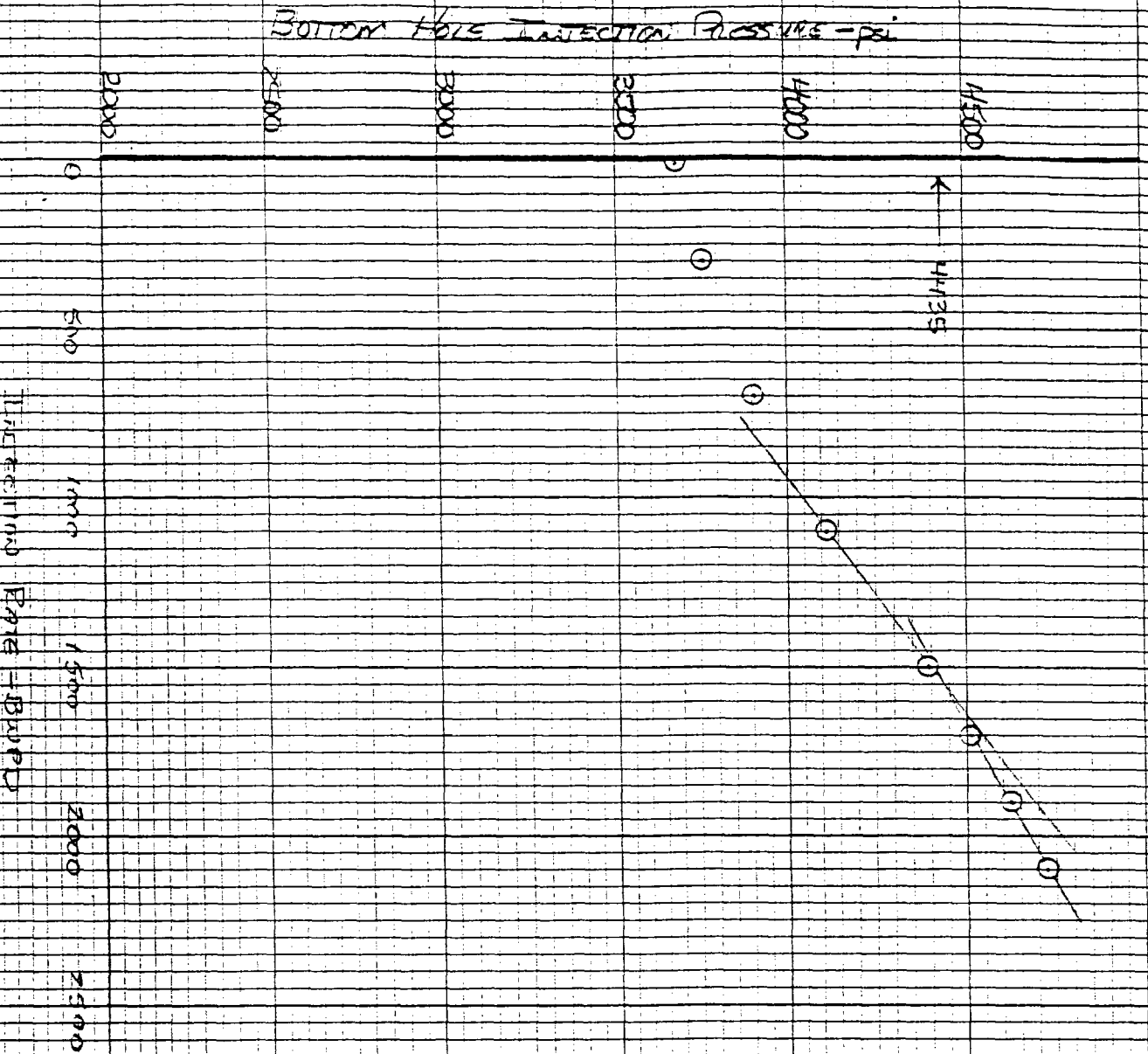
Fracture Pressure: 4480 BHP
2595 SIP

RATE	SP	BHP
BWPD	PSI	PSI
0	135	2226
100	343	2448
300	750	2853
500	1257	3317
700	1805	3816
900	2276	4221
1100	2672	4545
1300	2897	4746
1500	3009	4830



CMU #30
 (Western State #8)
 04/28/94
 Fracture Pressure: 4435 BHP
 2672 SIP

RATE	SP	BHP
BMPD	PSI	PSI
0	1808	2691
300	1860	3767
700	1995	3906
1100	2247	4116
1500	2605	4397
1700	2815	4516
1900	2924	4626
2100	3047	4722

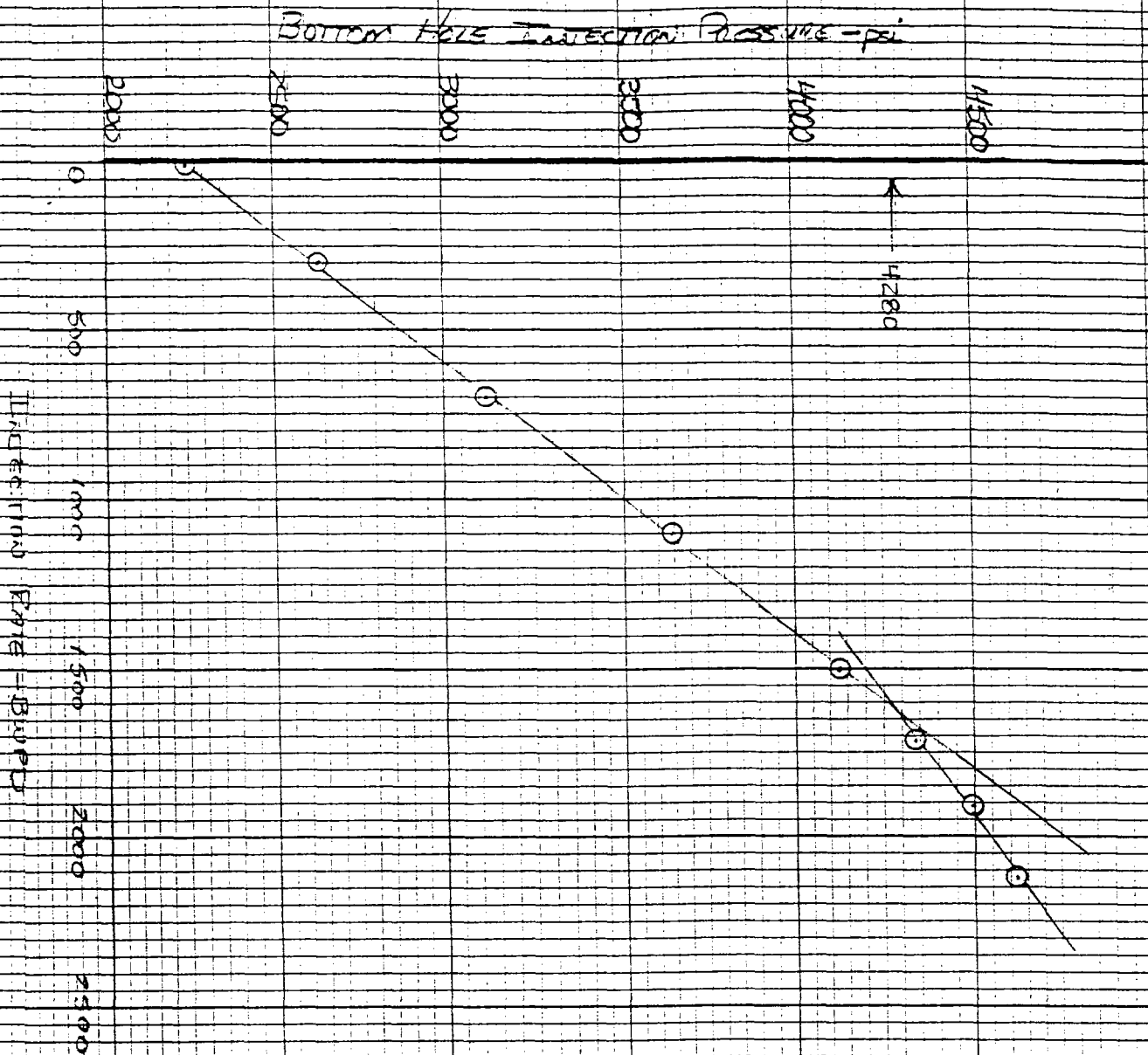


CMU #32
(Western State #10)

04/29/94

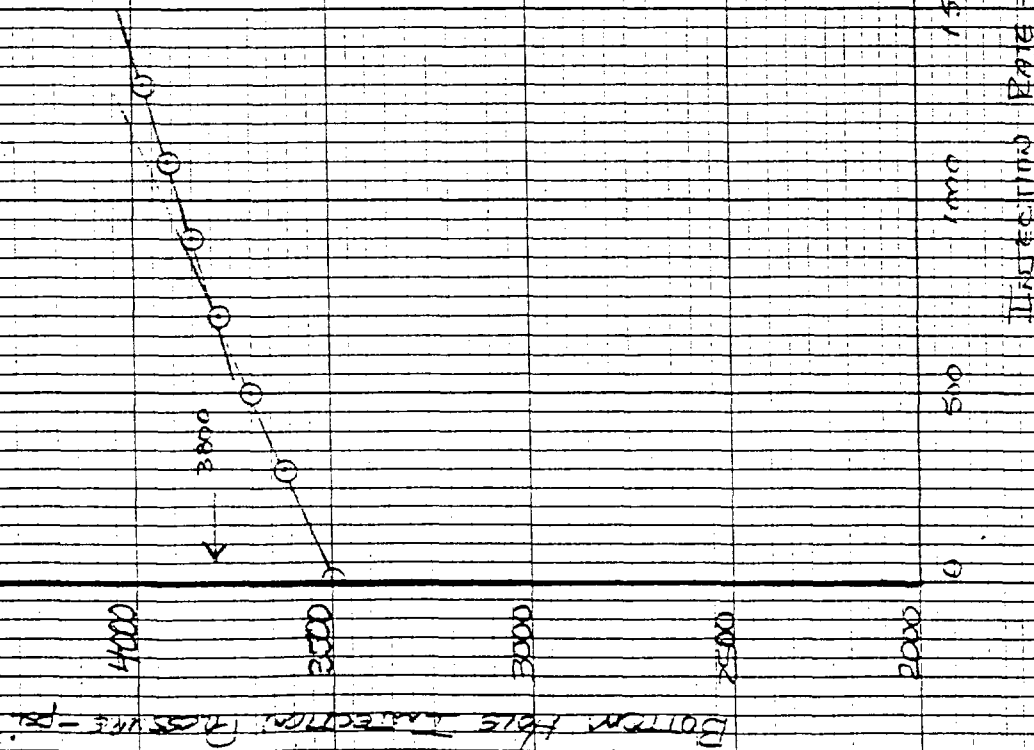
Fracture Pressure: 4280 BHP
2519 SIP

RATE	SP	BHP
BWPD	PSI	PSI
0	214	2250
300	609	2634
700	1128	3120
1100	1761	3647
1500	2355	4133
1720	2587	4341
1910	2722	4495
2125	2830	4621



CMU #39
 (Phillips "B" State #5)
 04/21/94
 Fracture Pressure: 3800 BHIP
 1987 SIP

RATE	SP	BHP
BWPD	PSI	PSI
0	1688	3500
300	1800	3620
500	1887	3701
700	1960	3780
900	2050	3847
1100	2140	3913
1300	2210	3975



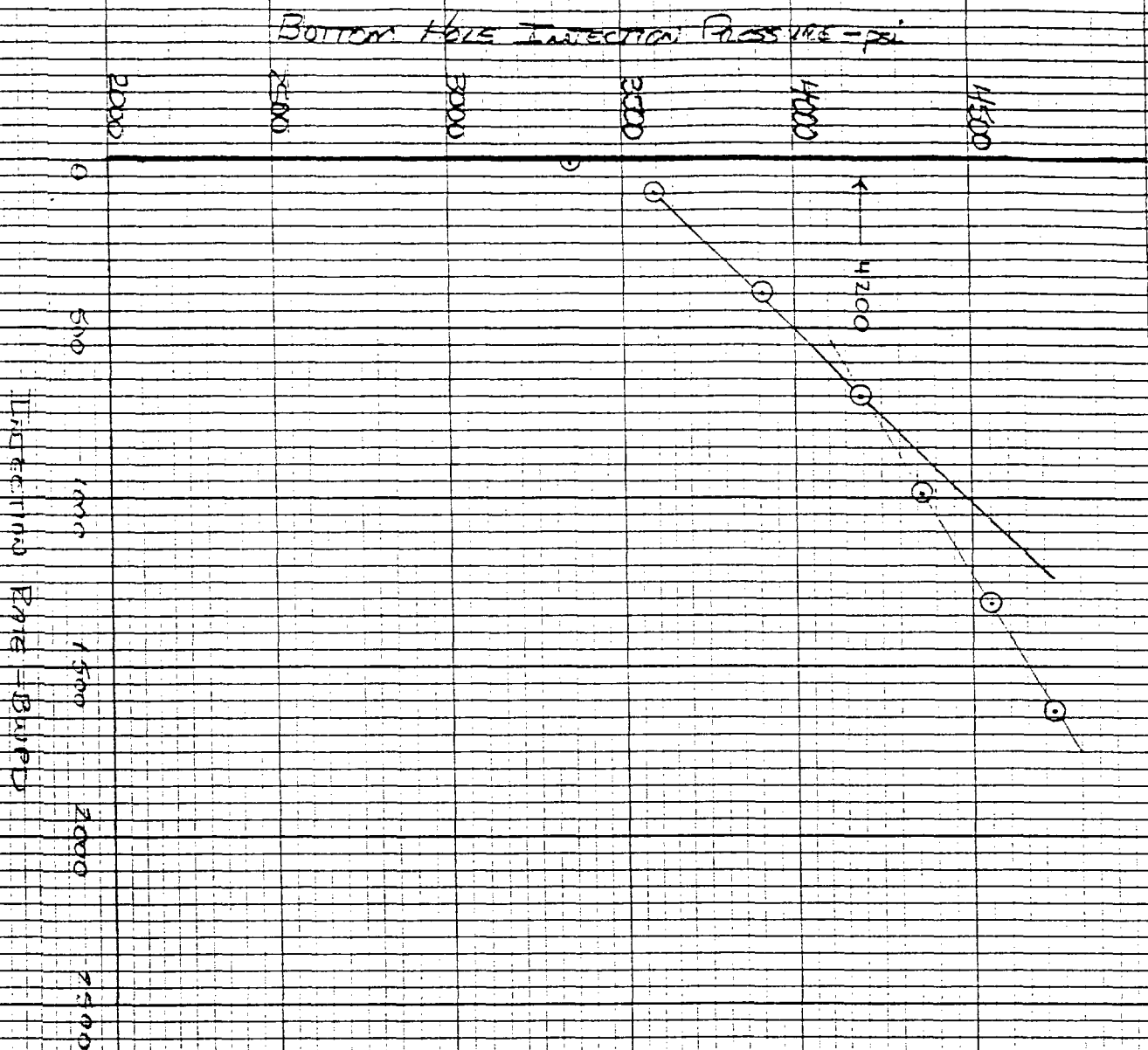
4

CMU #41
(Western State #6)

05/02/94

Fracture Pressure: 4200 BHHP
2218 SIP

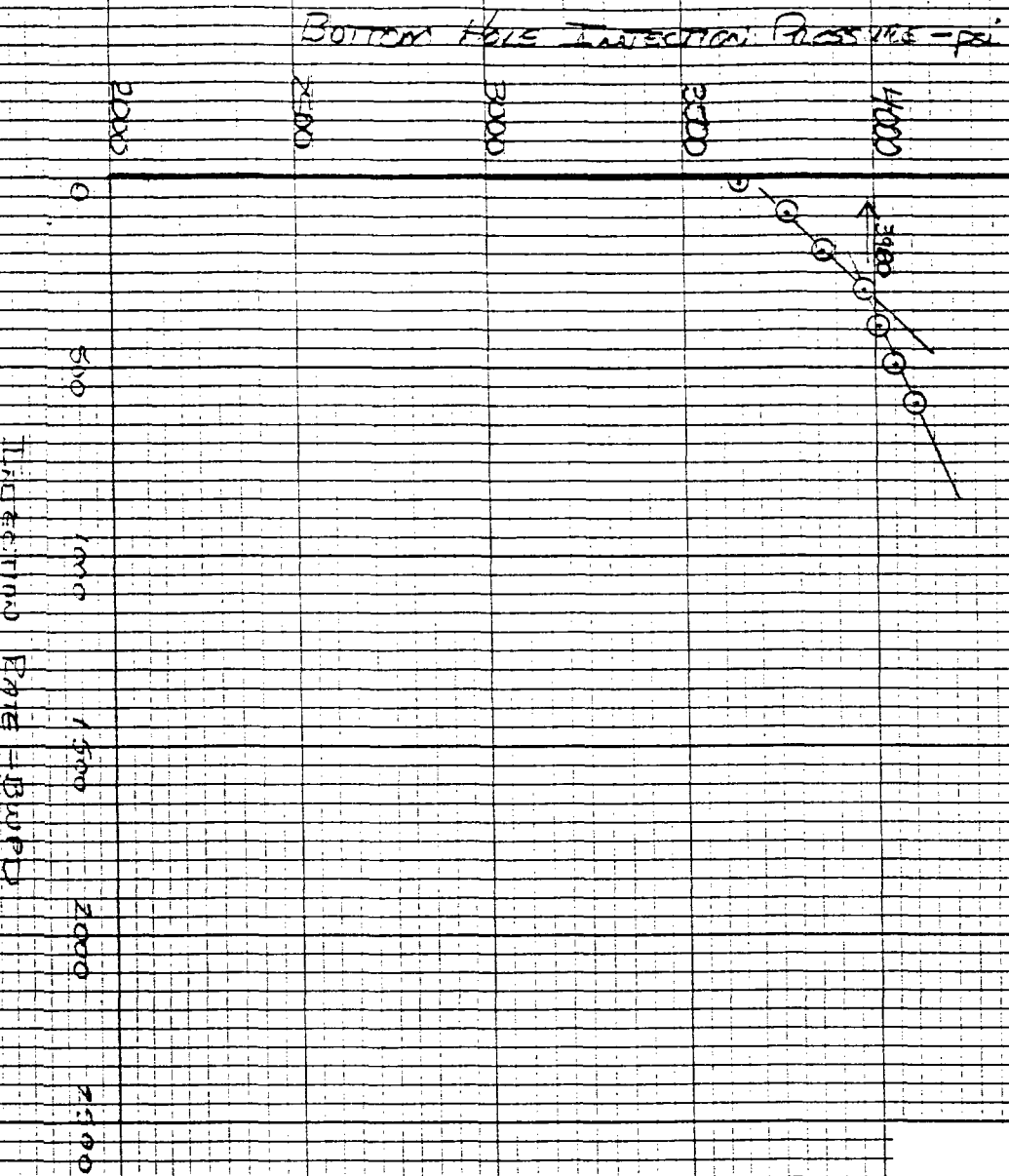
RATE BWPD	SP PSI	BHP PSI
0	1360	3347
100	1614	3586
400	1951	3918
700	2206	4189
980	2394	4358
1320	2707	4548
1630	2936	4729



44

CMU #53
 (Phillips "B" State #3)
 04/26/94
 Fracture Pressure: 3980 BHIP
 2146 SIP

RATE	SP	BHP
BWPD	PSI	PSI
0	1746	3645
90	1881	3777
190	1995	3864
290	2139	3974
390	2174	4066
490	2180	4055
590	2224	4104



41



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

OIL CONSERVATION DIVISION
RECEIVED
'94 APR 22 AM 8 50

BRUCE KING
GOVERNOR

April 18, 1994

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

Quality Production Corporation
300 West Texas, Suite 408
Midland, Texas 79701

Re: Injection Pressure Limits
Division Order R-10094

Gentlemen:

As you have requested in the letter dated April 13, 1994, you are authorized to dispose of produced water in the Caprock Maljamar Unit, above the approved pressure limit of 814 psi, in the old injection wells. This will eliminate the necessity of shutting in production, and enable you to continue to dispose of the produced water.

The approval is valid for a period of sixty days, in order to allow time for step rate tests to be conducted and a determination made as to the fracture pressure in these wells. This will also allow time for the pressures in the old injection wells, being incorporated into this unit, to stabilize and pressure reduction occurs, if necessary.

After step rate tests have been submitted and evaluated, pressure limits will be determined on the basis of the results of these tests.

Very truly yours

OIL CONSERVATION DIVISION

Jerry Sexton
Supervisor, District I

JS:bp

cc: David Catanach
File



QUALITY PRODUCTION CORP.

300 West Texas, Suite 408
Midland, Texas 79701
(915) 688-5155
FAX (915) 688-5137

207 W. McKay
Carlsbad, New Mexico 88220
(505) 885-5433
FAX (505) 885-4989

Post Office Box 250
Hobbs, New Mexico 88241-0250
(505) 397-2727
FAX (505) 393-4111

April 13, 1994

*Copy FILE-
10931*

Mr. Jerry Sexton
Oil Conservation Division
PO Box 1980
Hobbs, NM 88241-1980

Dear Mr. Sexton:


Re: The Wiser Oil Company
Caprock Maljamar Unit (CMU)
Order No. R-10094
Surface Injection Pressures

Pursuant to your meeting with Bob Williams of April 11, 1994, and Order No. R-10094 dated April 5, 1994, The Wiser Oil Company requests temporary relief from Paragraph 4, Page 8 of the Order. This paragraph requires the surface injection pressure to be limited to no more than 814 psi on all injection wells. Current injection pressures in the CMU area average between 2500 and 2800 psi and no water can be injected at 814 psi. It would be necessary to shut in all production or to haul the produced water and this would not be economically viable.

Pressures in the range of 2500 to 2800 psi have been required for the last several years. No evidence of problems has been detected from these surface injection pressures. Four 20-acre producing wells were drilled during the last half of 1993 in various areas of what is now the CMU and no significant water flows were encountered. Only minor oil and water flows were encountered in the Grayburg pay section.

The Wiser Oil Company requests a delay of sixty days in the implementation of the surface injection pressure limitation as set out in Paragraph 4 of Order No. R-10094. During this period The Wiser Oil Company will conduct a series of step rate tests on current injectors and will submit those results to the Division Director for administrative approval for an increase in surface pressure limitation. Please call me at 885-5433 if I can furnish additional information to you at this time.

Sincerely,


Perry L. Hughes
Agent for The Wiser Oil Company

PLH/mp

OIL CONSERVATION DIVISION

The Wiser Oil Company
207 West McKay
Carlsbad, New Mexico 88220

Re: Caprock Maljamar Unit
Waterflood Project

Attention: Mr. Perry Hughes

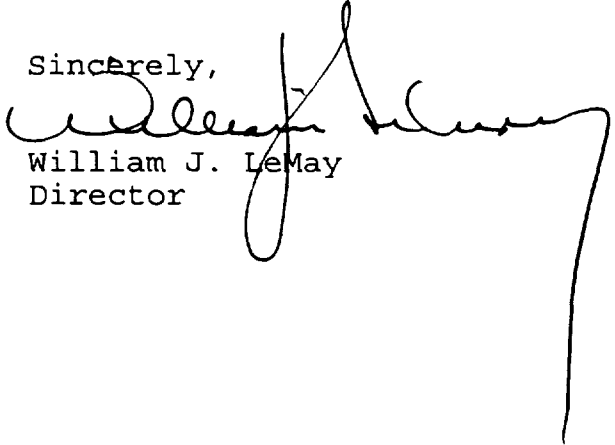
Dear Mr. Hughes:

We were recently advised by our Hobbs District Office that several of the injection wells within the Caprock Maljamar Unit Waterflood Project are injecting water at pressures that greatly exceed their approved pressure limit. It is our understanding that step rate tests are being conducted at the present time in order to gather data to support an increase in injection pressure on these wells, however, our records indicate that such an increase has not been granted as yet.

Such disregard for the terms and conditions of Division Order Nos. R-10094, WFX-660 and WFX-670 represents a serious violation of Division Rules and Regulations as well as a violation of the Federal Underground Injection Control Rules and Regulations as contained within CFR Parts 144, 145 and 146.

Please be advised that any future disregard for Division UIC Rules and Regulations and/or Division Orders will result in the imposition of fines of \$1000.00 per day per violation and/or termination of injection authority for this waterflood project.

Sincerely,


William J. LeMay
Director

xc: OCD-Hobbs
Case File-10931 ✓
File-WFX-666, 670
D. Catanach
B. Stone