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 22, 1994

WFX-560

pDEV0020600560

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

Attention: Perry L. Hughes

RE: Injection Pressure Increase Maljamar Grayburg 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 six wells within the Maljamar Grayburg Unit Waterflood Project. This request is based on step rate tests conducted 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
Maljamar Grayburg Unit Well No. 6 Unit I, Section 3, Township 17 South, Range 32 East	1594 PSIG
Maljamar Grayburg Unit Well No. 11 Unit N, Section 3, Township 17 South, Range 32 East	1733 PSIG
Maljamar Grayburg Unit Well No. 12 Unit O, Section 3, Township 17 South, Range 32 East	1713 PSIG
Maljamar Grayburg Unit Well No. 51 Unit C, Section 10, Township 17 South, Range 32 East	1736 PSIG

Well and Location	Maximum Injection Surface Pressure
Maljamar Grayburg Unit Well No. 150 Unit J, Section 3, Township 17 South, Range 32 East	1789 PSIG
Maljamar Grayburg Unit Well No. 151 Unit B, Section 10, Township 17 South, Range 32 East	1713 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: WFX-560
R. Brown
D. Catanach

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
Maljamar Grayburg Unit
Waterflood Project
Lea County, New Mexico

Dear Sir:

Reference is made to your request dated June 13, 1994, to increase the surface injection pressure on Six wells within the Maljamar Grayburg Unit Waterflood 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:

WELL & LOCATION	MAXIMUM SURFACE INJECTION PRESSURE
Maljamar Grayburg Unit No. 6 Unit I, Section 3, T-17S, R-32E;	1594 PSIG
Maljamar Grayburg Unit No. 11 Unit N, Section 3, T-17S, R-32E;	1733 PSIG
Maljamar Grayburg Unit No. 12 Unit O, Section 3, T-17S, R-32E;	1713 PSIG
Maljamar Grayburg Unit No. 51 Unit C, Section 10, T-17S, R-32E;	1736 PSIG
Maljamar Grayburg Unit No. 150 Unit J, Section 3, T-17S, R-32E;	1789 PSIG
Maljamar Grayburg Unit No. 151 Unit B, Section 10, T-17S, R-32E;	1713 PSIG

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-WFX-560 OCD-Hobbs
R. Bean

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

Oil Conservation Division
PO Box 2088
Santa Fe, NM 87504-2088

Re: The Wiser Oil Company
Division Order No. WFX-650
Maljamar Grayburg Unit Waterflood Project

Gentlemen:

Pursuant to the subject Order which approved six injection wells for the Maljamar Grayburg Unit Waterflood Project, please find enclosed the results of step-rate tests conducted on four of the wells. Under Rule 704, The Wiser Oil Company requests that the maximum allowable injection pressure be increased to 50 psi below the fracture pressure determined by step-rate tests. Enclosed is all data gathered from the tests and following are the results of the step-rate tests.

Well No.	Fracture Pressure - (psi)	Fracture Pressure - 50 psi
6	1644	1594
11	1783	1733
51	1786	1736
150	1839	1789
	---	---
Average	1763	1713

The Wiser Oil Company requests that the average fracture pressure minus 50 psi be assigned to Maljamar Grayburg Unit Nos. 12 and 151. Therefore, the maximum allowable surface injection pressure would be 1713 psi.

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

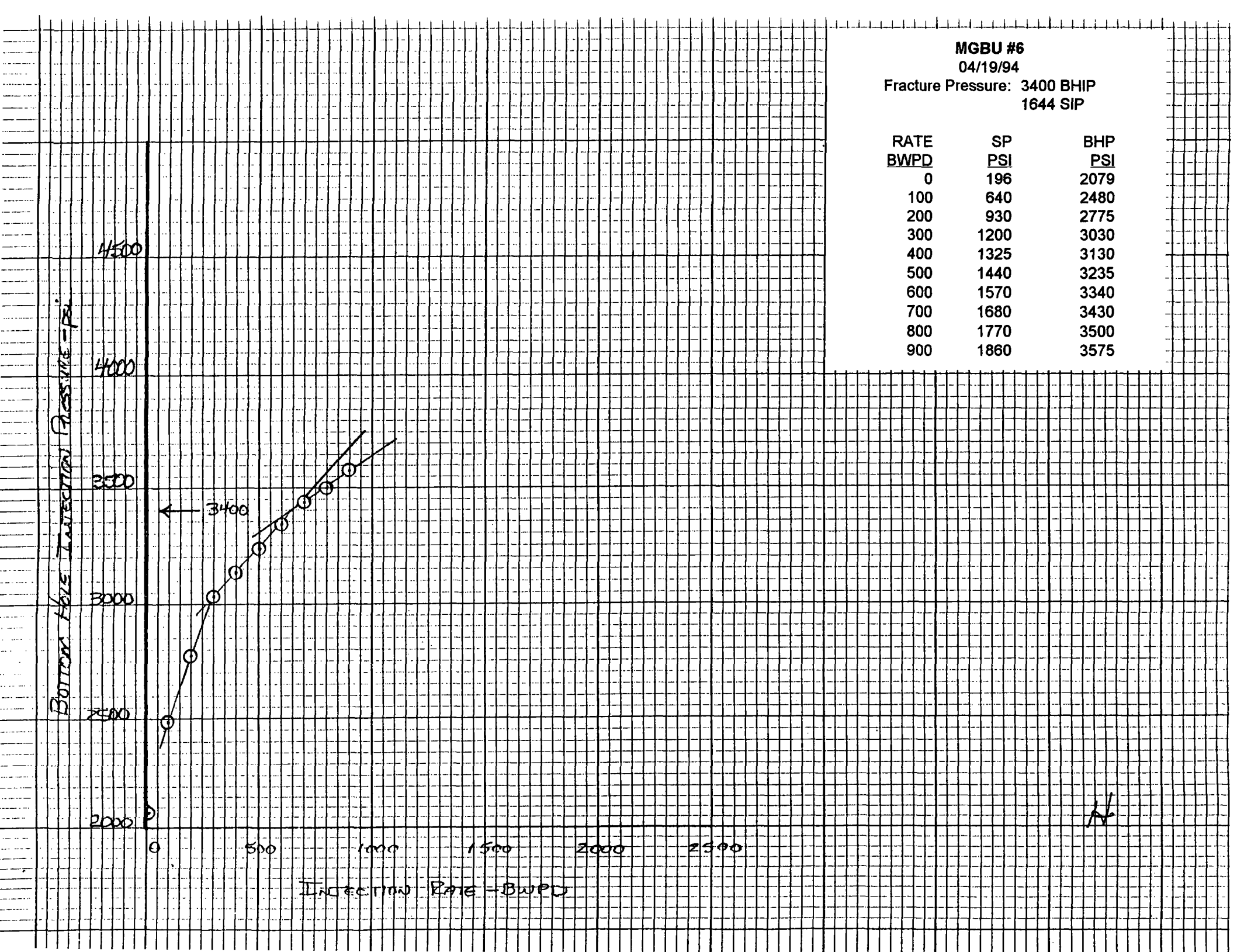
Sincerely,

Perry L. Hughes
Agent for
The Wiser Oil Company

PLH/mp
Enclosures
cc: Mr. Jerry Sexton
Hobbs OCD

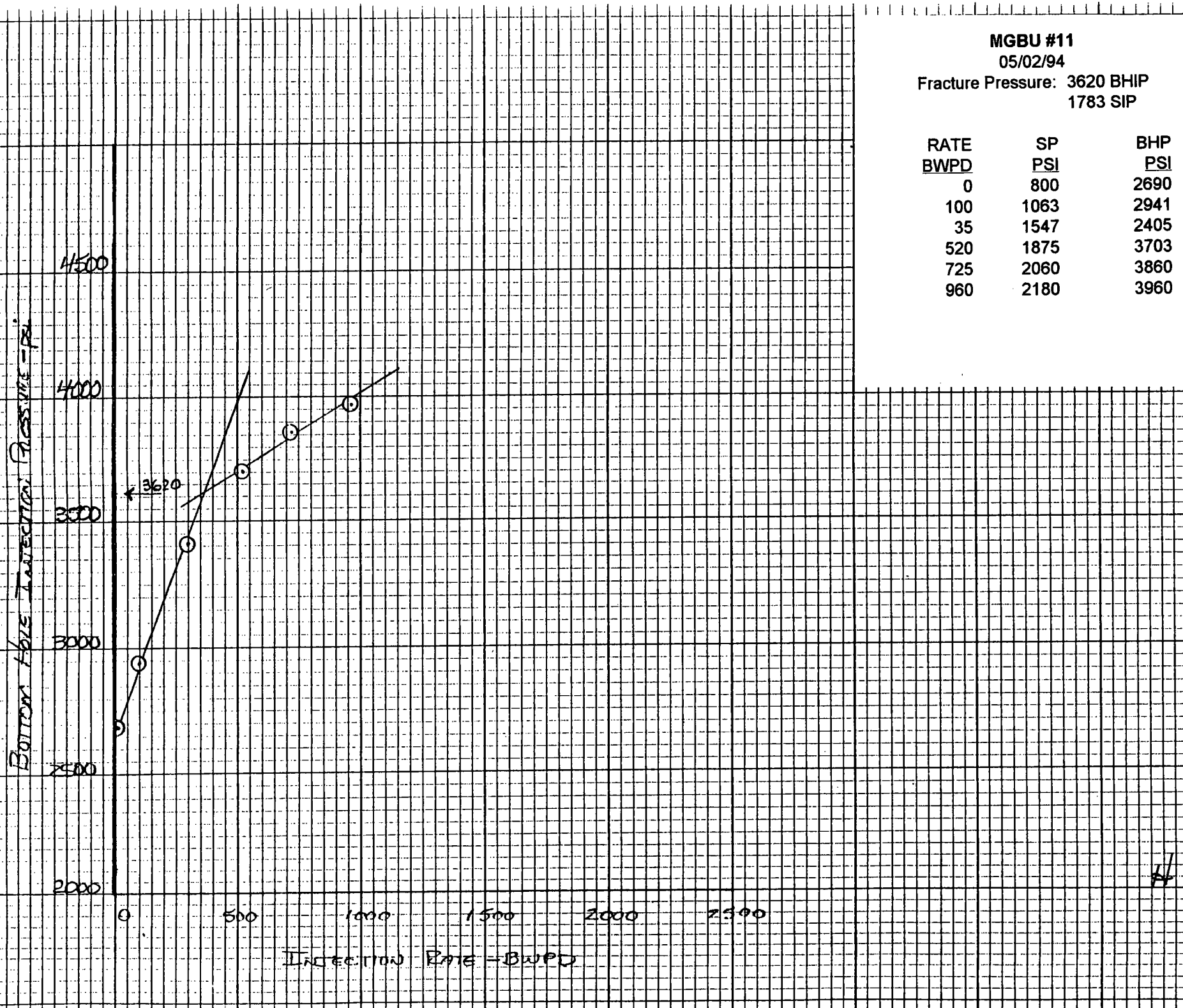
MGBU #6
04/19/94
Fracture Pressure: 3400 BHIP
1644 SIP

RATE BWPD	SP PSI	BHP PSI
0	196	2079
100	640	2480
200	930	2775
300	1200	3030
400	1325	3130
500	1440	3235
600	1570	3340
700	1680	3430
800	1770	3500
900	1860	3575



MGBU #11
05/02/94
Fracture Pressure: 3620 BHIP
1783 SIP

RATE BWPD	SP PSI	BHP PSI
0	800	2690
100	1063	2941
35	1547	2405
520	1875	3703
725	2060	3860
960	2180	3960

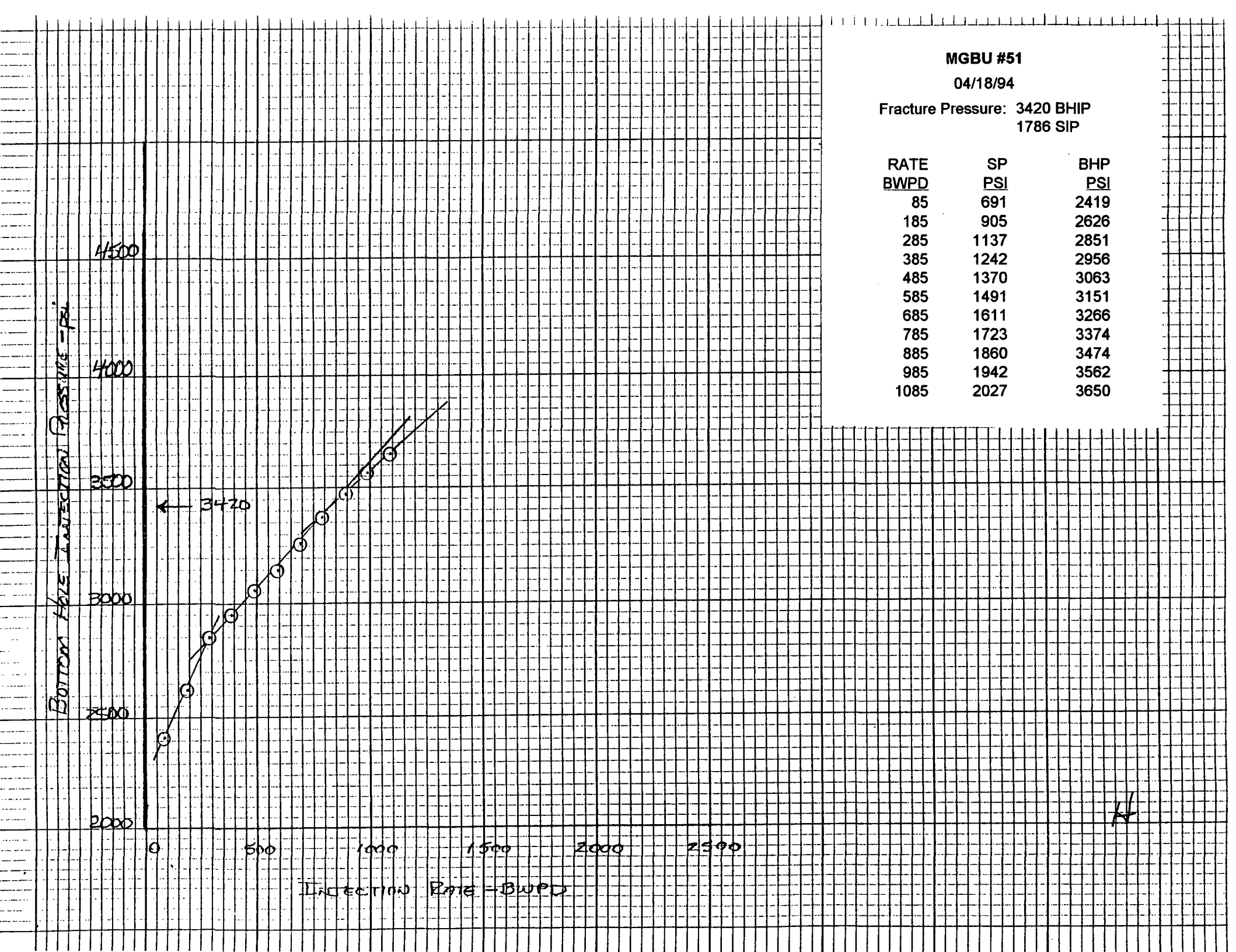


MGBU #51

04/18/94

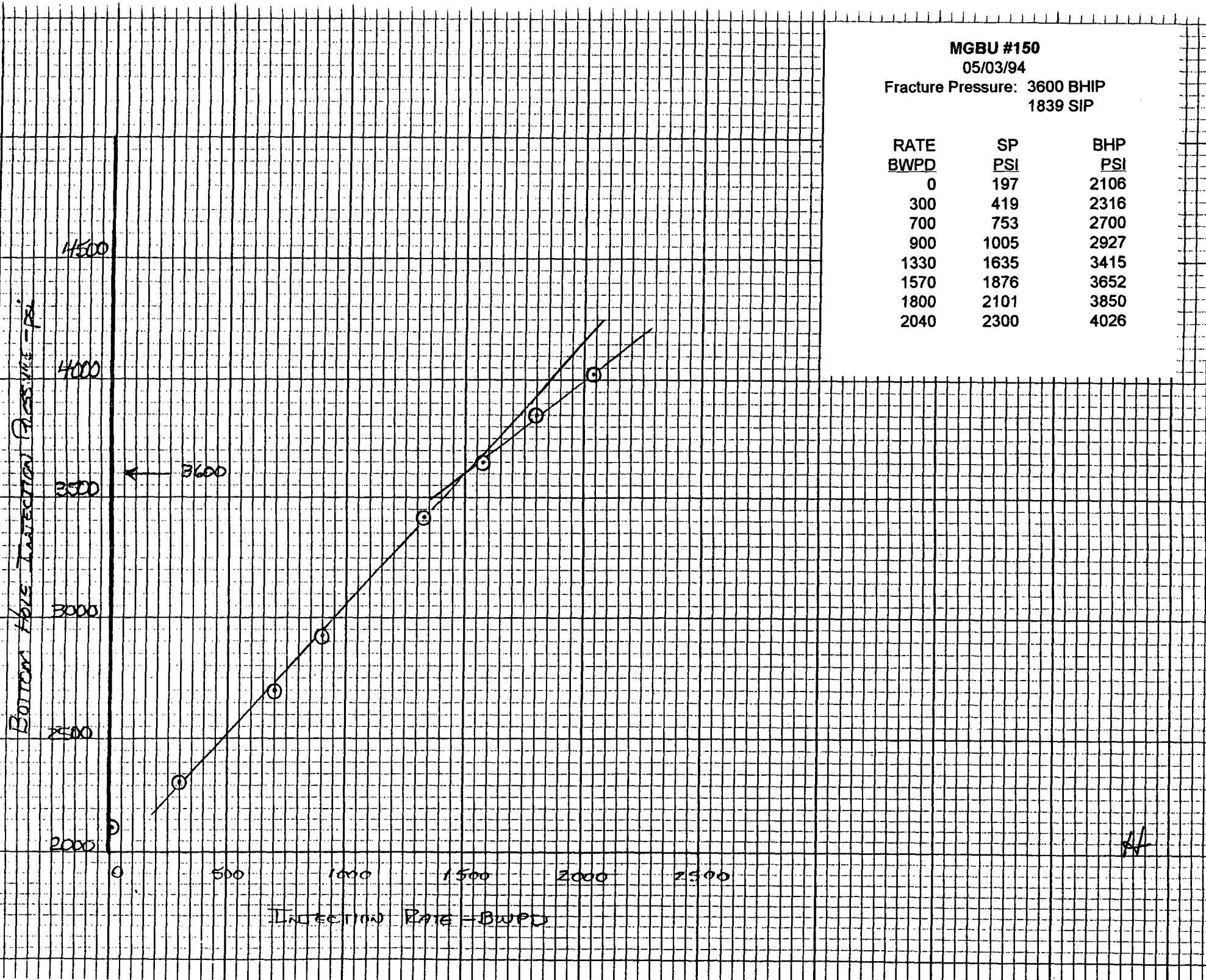
Fracture Pressure: 3420 BHIP
1786 SIP

RATE BWPD	SP PSI	BHP PSI
85	691	2419
185	905	2626
285	1137	2851
385	1242	2956
485	1370	3063
585	1491	3151
685	1611	3266
785	1723	3374
885	1860	3474
985	1942	3562
1085	2027	3650



MGBU #150
05/03/94
Fracture Pressure: 3600 BHIP
1839 SIP

RATE BWPD	SP PSI	BHP PSI
0	197	2106
300	419	2316
700	753	2700
900	1005	2927
1330	1635	3415
1570	1876	3652
1800	2101	3850
2040	2300	4026



OIL CONSERVATION DIVISION
RECEIVED
94 JUN 23 AM 8 50

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 DIVISON
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	Maljamar Grayburg Unit #6-I		3-17-32
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

OK

Very truly yours,

Jerry Sexton
Supervisor, District I

/bp

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 DIVISON
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	Maljamar Grayburg Unit	#51-C	10-17-32
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
RECEIVED
'94 JUN 23 AM 8 50

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 DIVISON
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	Maljamar Grayburg Unit #11-N		3-17-32
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
RECEIVED
94 JUN 23 AM 8 50

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 DIVISON
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	Maljamar Grayburg Unit #150-J		3-17-32
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

OK

Very truly yours

Jerry Sexton
Supervisor, District I

/bp