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

J.O. EASLEY, INC.
ESTABLISHED 1979
P.O. Box 1796 88202-1796
400 N. Pennsylvania. Suite 990-D
Roswell, NM 88201

Telephone (505) 623-3758
Fax (505) 623-3797

October 30, 1996

NOV - 1

Mr. David Catanach
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Order # R-10094 & WFX 670
Caprock Maljamar Waterflood Unit
Lea County, New Mexico
Wells: CMU #13, 14, 16, 20, 23, 24, 25, 28, 67, 68, 69, 71, & 90

Dear Mr. Catanach:

Due to unforseen delays, the following wells, which have already been approved as water injection wells, were not converted within the time-limit of the applicable Order granting permission to inject:

WELL	ORDER	ORDER EXPIRED	WELL STATUS
13	WFX-670	5-8-96	WO SRT
14	WFX-670	5-8-96	WO SRT
16	WFX-670	5-8-96	Pending Conversion to WIW
20	R-10094	4-5-95	Pending Conversion to WIW
23	WFX-670	5-8-96	WO SRT
24	WFX-670	5-8-96	WO SRT
25	WFX-670	5-8-96	WO SRT
28	WFX-670	5-8-96	Active Injection Well
67	R-10094	4-5-95	WO SRT
68	R-10094	4-5-95	Pending Conversion to WIW
69	WFX-670	5-8-96	Pending Conversion to WIW
71	WFX-670	5-8-96	Pending Conversion to WIW
90	WFX-670	5-8-96	Pending Conversion to WIW

Step Rate Tests are currently being run on the CMU #13, 23, 24, 25, and 67 and will be furnished to you in the very near future. By your letter dated December 29, 1995, the CMU #13, 14, 16, 23, 24, 25, 28, 69, and 71 were authorized for increased surface injection pressure. Enclosed for your information, is a copy of your letter as well as the November 2, 1995, letter from Shahara Oil Corporation, requesting these increased pressures which includes the analyses of step-rate-tests on which they based their request.

Conversion work on the above wells, if not already completed, is scheduled to be done within the next 6 months; therefore, on behalf of The Wiser Oil Company, we respectfully request the extension of the previous Orders #R-10094 & WFX-670 to cover the above wells. If you have any questions, please feel free to give me a call at 505-623-3758.

Sincerely,

J. O. EASLEY, INC.

Bonita L. Limpus Jones
Consulting Landman

/bj
Enclosures
cc/enclosure Mr. Jerry Sexton
New Mexico Oil Conservation Division
P. O. Box 1980
Hobbs, New Mexico 88241

Mr. Steve Gilbert
The Wiser Oil Company
8115 Preston Road, Suite 400
Dallas, Texas 75225

Mr. Tom Cook
The Wiser Oil Company
P. O. Box 2568
Hobbs, New Mexico 88241

December 29, 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 November 10, 1994 to increase the surface injection pressure on 42 wells. This request is based on step rate tests conducted on 13 of these wells between September 27 and October 12, 1995. 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 13 wells:

Well and Location	Maximum Injection Surface Pressure
Caprock Maljamar Unit Well No.4 Unit C, 17-T17S-R33E	1910 PSIG
Caprock Maljamar Unit Well No.5 Unit B, 17-T17S-R33E	2200 PSIG
Caprock Maljamar Unit Well No.9 Unit E, 17-T17S-R33E	2550 PSIG
Caprock Maljamar Unit Well No.12 Unit H, 17-T17S-R33E	2480 PSIG
Caprock Maljamar Unit Well No.17 Unit J, 18-T17S-R33E	2760 PSIG
Caprock Maljamar Unit Well No.26 Unit N, 18-T17S-R33E	2755 PSIG

Well and Location	Maximum Injection Surface Pressure
Caprock Maljamar Unit Well No.37 Unit D, 19-T17S-R33E	1910 PSIG
Caprock Maljamar Unit Well No.40 Unit A, 19-T17S-R33E	2200 PSIG
Caprock Maljamar Unit Well No.42 Unit C, 20-T17S-R33E	2550 PSIG
Caprock Maljamar Unit Well No.51 Unit F, 19-T17S-R33E	2480 PSIG
Caprock Maljamar Unit Well No.57 Unit H, 20-T17S-R33E	2760 PSIG
Caprock Maljamar Unit Well No.59 Unit F, 21-T17S-R33E	2755 PSIG
Caprock Maljamar Unit Well No.70 Unit J, 20-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 29 wells:

Well and Location	Maximum Injection Surface Pressure
Caprock Maljamar Unit Well No.1 Unit B, 18-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.2 Unit A, 18-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.3 Unit D, 17-T17S-R33E	2256 PSIG

Well and Location	Maximum Injection Surface Pressure
Caprock Maljamar Unit Well No.6 Unit A, 17-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.7 Unit G, 18-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.8 Unit H, 18-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.10 Unit F, 17-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.11 Unit G, 17-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.13 Unit J, 13-T17S-R32E	2256 PSIG
Caprock Maljamar Unit Well No.14 Unit I, 13-T17S-R32E	2256 PSIG
Caprock Maljamar Unit Well No.15 Unit L, 18-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.16 Unit K, 18-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.18 Unit I, 18-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.22 Unit I, 17-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.23 Unit O, 13-T17S-R32E	2256 PSIG
Caprock Maljamar Unit Well No.24 Unit P, 13-T17S-R32E	2256 PSIG
Caprock Maljamar Unit Well No.25 Unit M, 18-T17S-R33E	2256 PSIG

Well and Location	Maximum Injection Surface Pressure
Caprock Maljamar Unit Well No.27 Unit O, 18-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.28 Unit P, 18-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.31 Unit O, 17-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.38 Unit C, 19-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.44 Unit A, 20-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.50 Unit E, 19-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.52 Unit G, 19-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.54 Unit E, 20-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.56 Unit G, 20-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.69 Unit K, 2O-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.71 Unit I, 20-T17S-R33E	2256 PSIG
Caprock Maljamar Unit Well No.81 Unit M, 20-T17S-R33E	2256 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/BES

cc: Oil Conservation Division - Hobbs
File: 2nd Qtr 96 PSI-X; Case File No.10932

SHAHARA OIL CORPORATION

827-7131
Catanach - tried
12/13 ~9:30am
12/14 ~10:00am
~2:00pm
12/15 8:55am
12/15 9:12am
David Catanach -
Ben Stone is handling.
On his desk - will look
at today or early next
week. MP

November 2, 1995

Mr. David Catanach
Oil Conservation Division
P.O. Box 6429
Santa Fe, NM 87505-6429

Re: The Wiser Oil Company
Injection Pressure Increase
Caprock Maljamar Unit Waterflood Project
Lea County, New Mexico

Dear Mr. Catanach:

Please refer to your letters of September 15 and October 24, 1995 and my letters of August 25 and September 27 ,1995. The Wiser Oil Company has conducted step rate tests on nine of the 14 wells requested in your September 15 letter. We were unable to get the tool through the tubing in CMU #1; CMU #13 and CMU #15 are plugged and abandoned; and CMU #6 and CMU #69 were producing at the time the tests were conducted (CMU #6 has subsequently been converted - we could attempt to run a test if necessary). Our letter of September 27 suggested five alternative wells and we have successfully run tests on four of those (could not get tool through the tubing on CMU #3). The results of the 13 completed tests are as follows:

Caprock Maljamar Unit
Fracture Pressure - PSIG

Well Name	BHP	Surface	Surface - 50 psig
CMU #4	3540	1960	1910
CMU #5	4190	2400	2350
CMU #9	3700	2220	2170
CMU #12	4440	2670	2620
CMU #17	3750	2350	2300
CMU #26	3450	2100	2050
CMU #37	3525	2010	1960
CMU #40	4000	2210	2160
CMU #42	4130	2400	2350
CMU #51	3750	2125	2075
CMU #57	4540	2700	2650
CMU #59	4000	2290	2240
CMU #70	4200	2550	2500
Average	3940	2306	2256

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Copies of all graphical data is included. The results of these tests compare favorably with those obtained in previous surveys. The Wiser Oil Company and Holmes Wireline Service maintain complete records of all data gathered on the tests and are glad to make these available.

The Wiser Oil Company requests maximum allowable injection pressure on the 13 tested wells be the surface pressure minus 50 psig as shown above and the average surface injection pressure minus 50 psi of 2256 psi on the 13 wells be granted on the remaining 29 wells as listed in our August 25 letter. Following is a complete list of proposed pressures.

Requested Maximum Allowable Injection Pressures

CMU Well No.	Location Footage	Unit	Section	Town-ship	Range	Max Inj Pressure
1	660' FNL & 1980' FEL	B	18	17S	33E	2256
2	660' FNL & 660' FEL	A	18	17S	33E	2256
3	660' FNL & 660' FWL	D	17	17S	33E	2256
4	660' FNL & 1980' FWL	C	17	17S	33E	1910
5	660' FNL & 1980' FEL	B	17	17S	33E	2350
6	660' FNL & 660' FEL	A	17	17S	33E	2256
7	1980' FSL & 2080' FEL	G	18	17S	33E	2256
8	1980' FNL & 660' FEL	H	18	17S	33E	2256
9	1980' FNL & 660' FWL	E	17	17S	33E	2170
10	1980' FNL & 1980' FWL	F	17	17S	33E	2256
11	1980' FNL & 1980' FEL	G	17	17S	33E	2256
12	1980' FNL & 660' FEL	H	17	17S	33E	2620
13	1980' FSL & 1980' FEL	I	13	17S	32E	2256
14	1980' FSL & 660' FEL	I	13	17S	32E	2256
15	1980' FSL & 693.65' FWL	L	18	17S	33E	2256
16	1980' FSL & 2047' FWL	K	18	17S	33E	2256
17	1980' FSL & 1980' FEL	J	18	17S	33E	2300
18	1980' FSL & 660' FWL	I	18	17S	33E	2256
22	1980' FSL & 660' FEL	I	17	17S	33E	2256
23	660' FSL & 1980' FEL	O	13	17S	32E	2256
24	660' FSL & 660' FEL	P	13	17S	32E	2256
25	660' FSL & 693.55' FWL	M	18	17S	33E	2256
26	660' FSL & 2047' FWL	N	18	17S	33E	2050
27	760' FSL & 1980' FEL	O	18	17S	33E	2256
28	660' FSL & 660' FEL	P	18	17S	33E	2256

31	660' FSL & 1980' FEL	O	17	17S	33E	2256
37	660' FNL & 694' FWL	D	19	17S	33E	1960
38	660' FNL & 2047' FWL	C	19	17S	33E	2256
40	660' FNL & 660' FEL	A	19	17S	33E	2160
42	660' FNL & 1980' FWL	C	20	17S	33E	2350
44	660' FNL & 660' FEL	A	20	17S	33E	2256
50	1980' FNL & 694' FWL	E	19	17S	33E	2256
51	1980' FNL & 2048' FWL	F	19	17S	33E	2075
52	1980' FNL & 1980' FEL	G	19	17S	33E	2256
54	1980' FNL & 660' FWL	E	20	17S	33E	2256
56	1880' FNL & 1980' FEL	G	20	17S	33E	2256
57	1980' FNL & 660' FEL	H	20	17S	33E	2650
59	1980' FNL & 1980' FWL	F	21	17S	33E	2240
69	1650' FSL & 2310' FWL	K	20	17S	33E	2256
70	1980' FSL & 1980' FEL	J	20	17S	33E	2500
71	1980' FSL & 660' FEL	I	20	17S	33E	2256
81	330' FSL & 990' FWL	M	20	17S	33E	2256

Thank you for your prompt attention to our request. We need these increased pressures in order to dispose of the produced water being generated by our ongoing redevelopment program.

Sincerely,

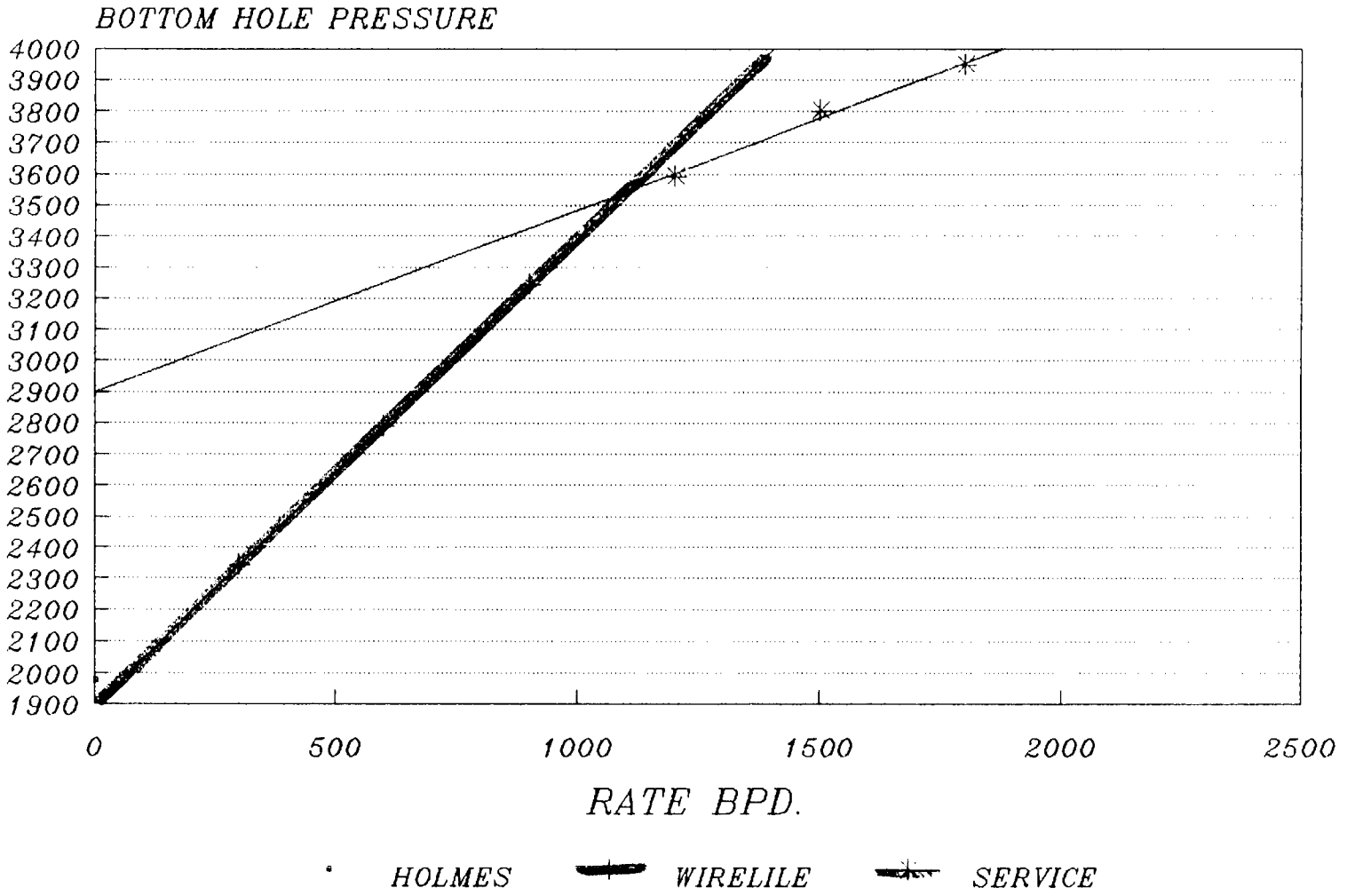
Perry L. Hughes

Perry L. Hughes
Agent for
The Wiser Oil Company

Attachments

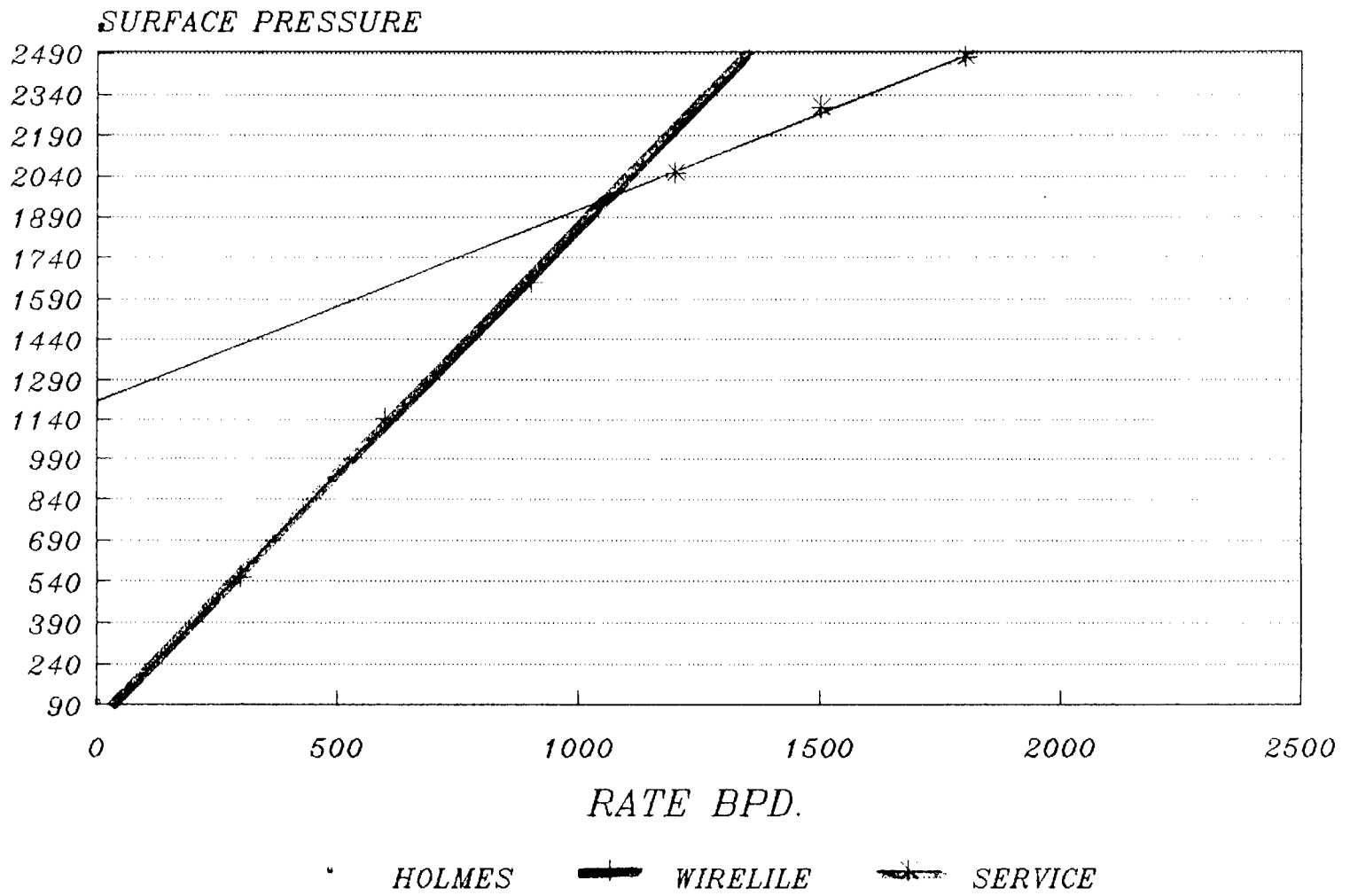
cc: Mr. Jerry Sexton
Hobbs OCD

WISER OIL : CMU #4



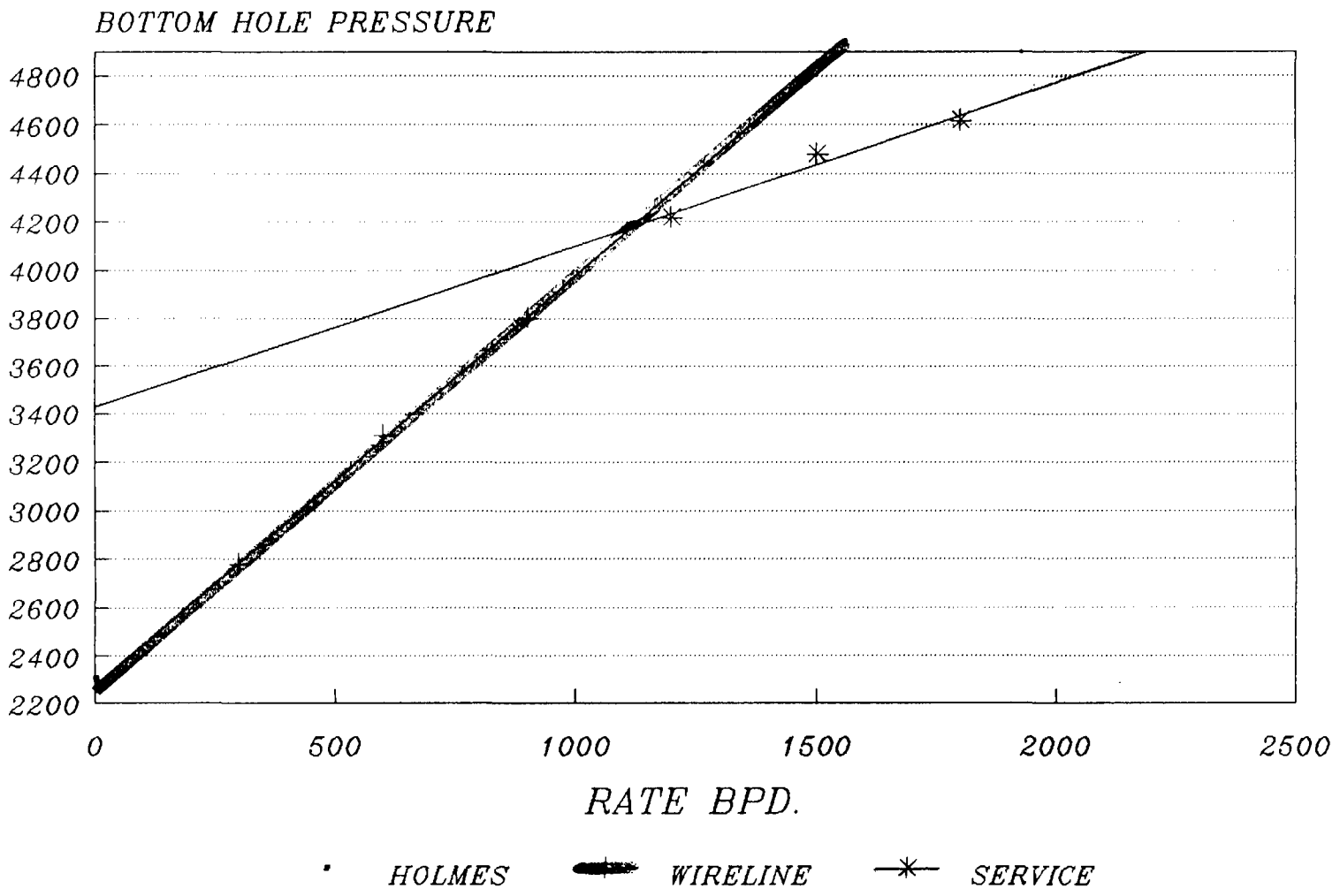
FRACTURE AT 3540 PSI 9-28-95

WISER OIL : CMU #4



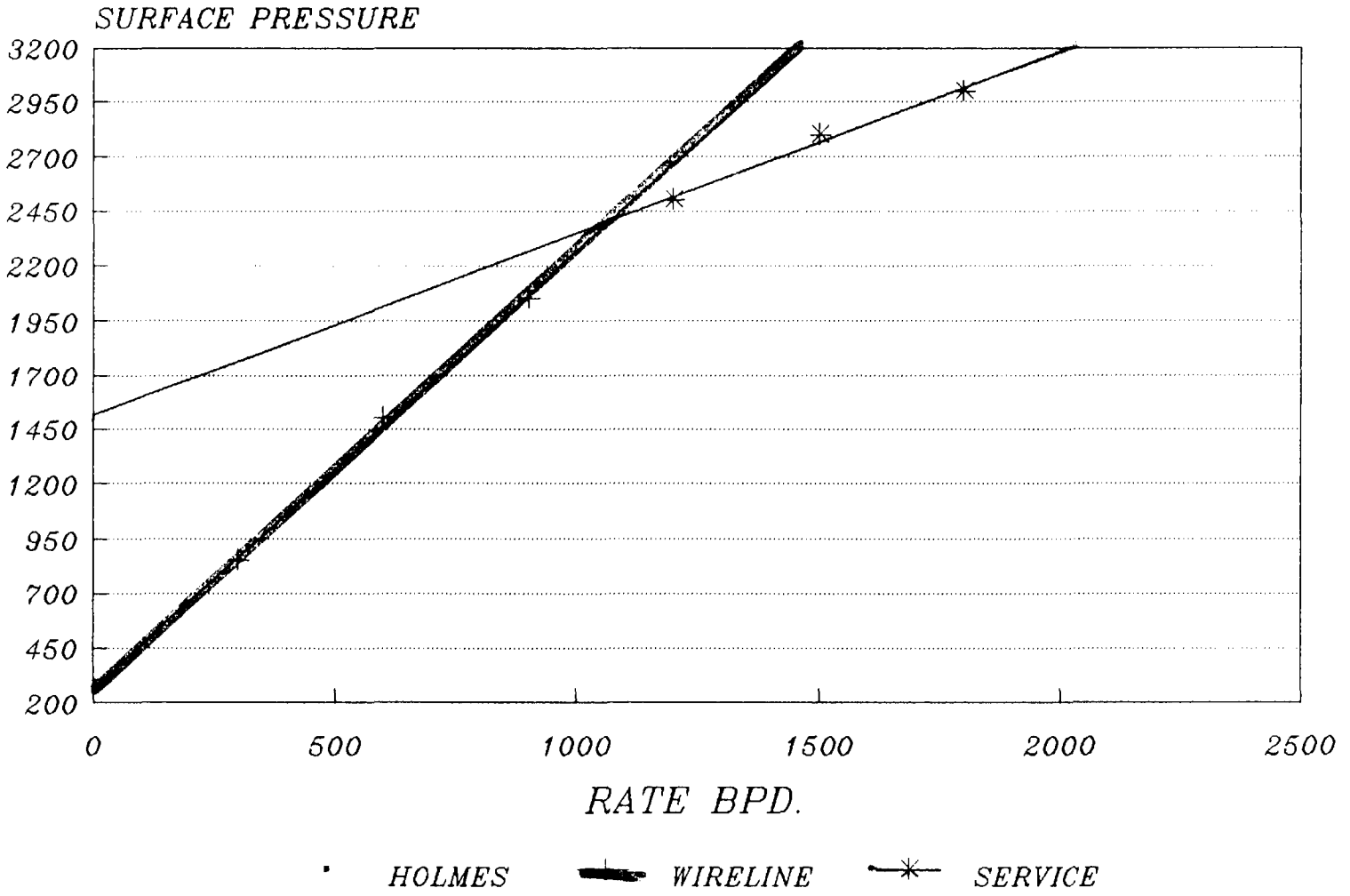
FRACTURE AT 1960 PSI 9-28-95

WISER OIL : CMU #5



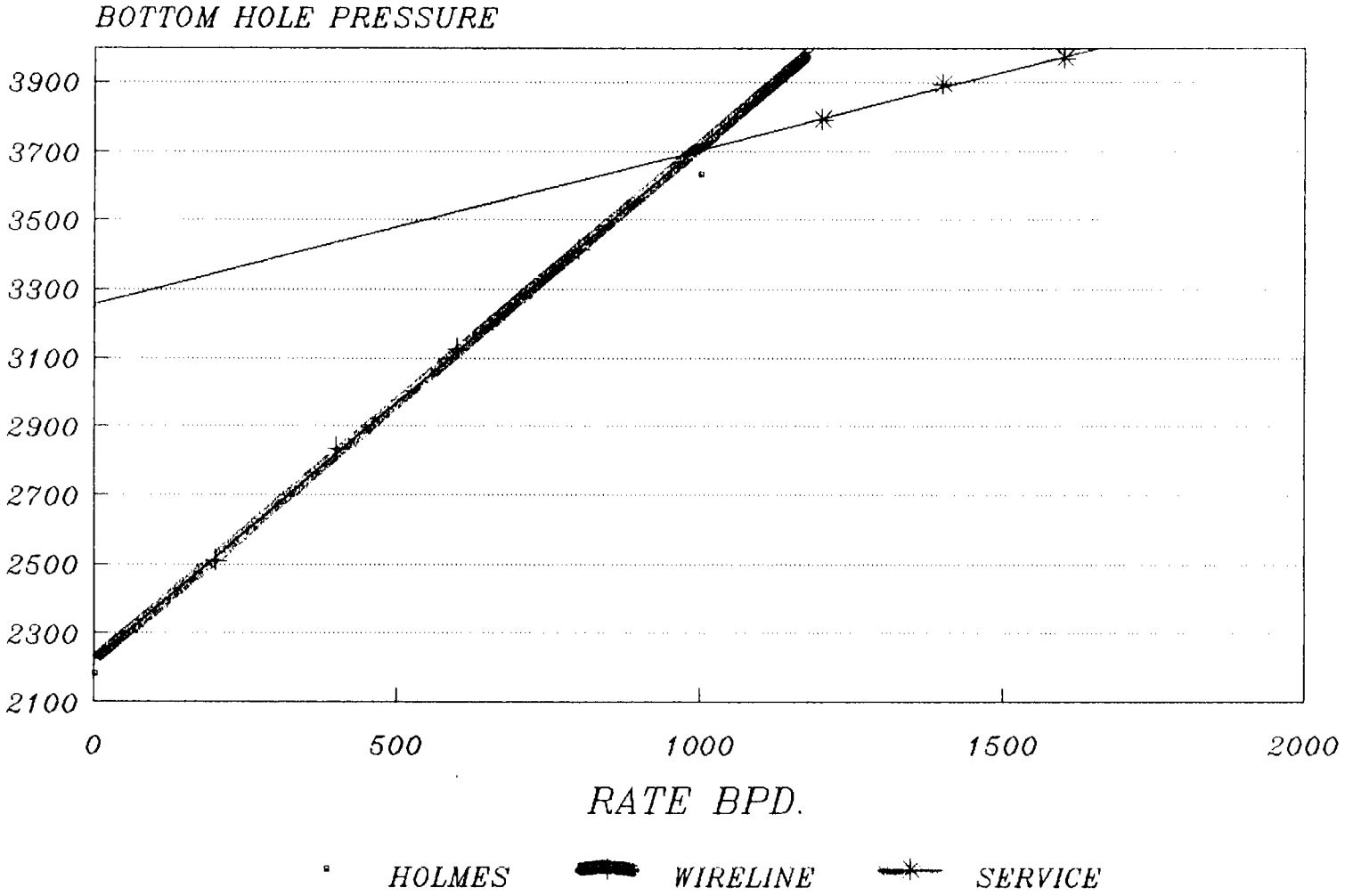
FRACTURE AT APPROX. 4190 BHP 10-12-95

WISER OIL : CMU #5



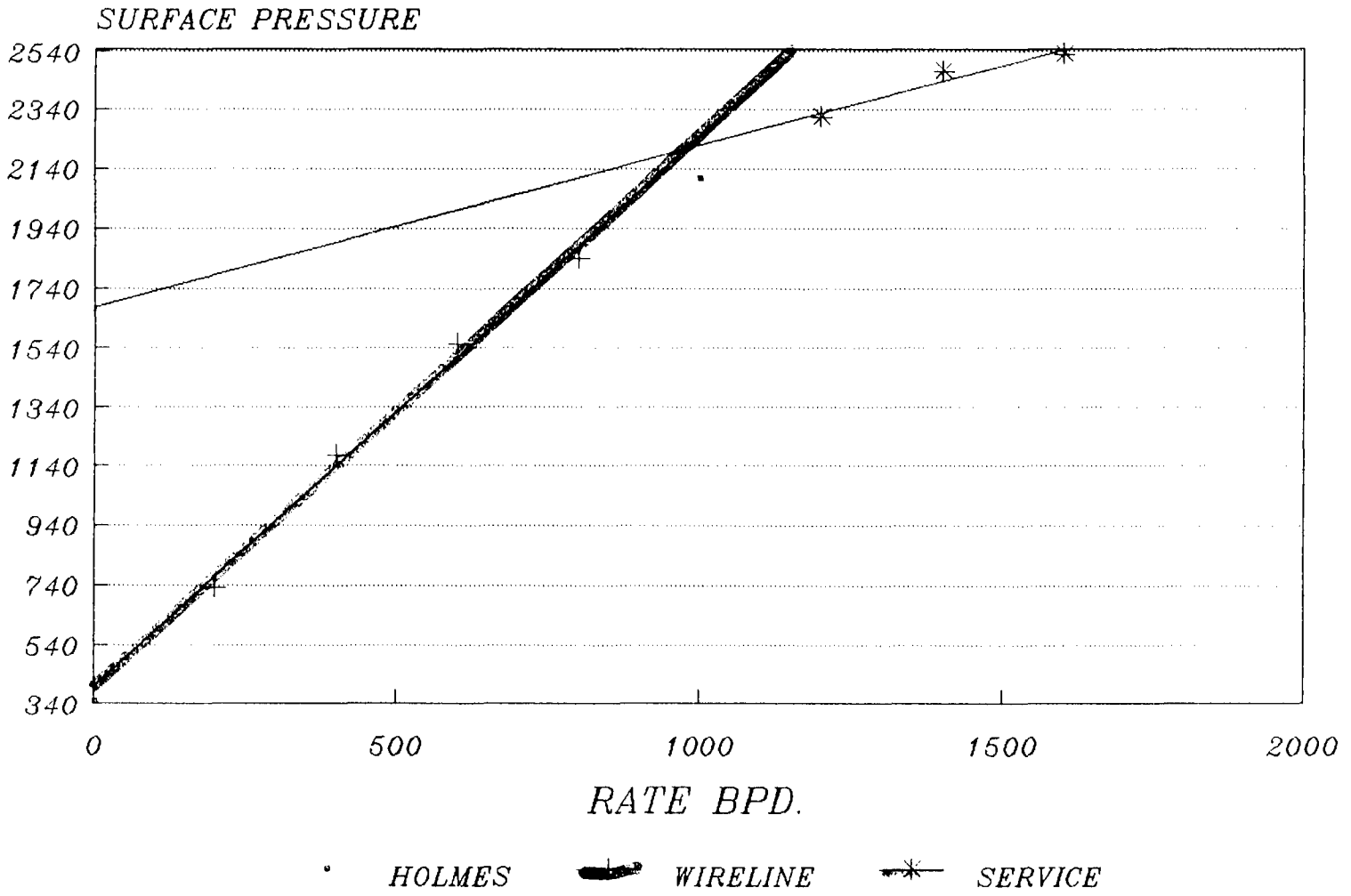
FRACTURE AT APPROX. 2400 PSI 10-12-95

WISER OIL : CMU #9



FRACTURE @ 3700 PSI 9-28-95

WISER OIL : CMU #9



FRACTURE @ 2220 PSI 9-28-95

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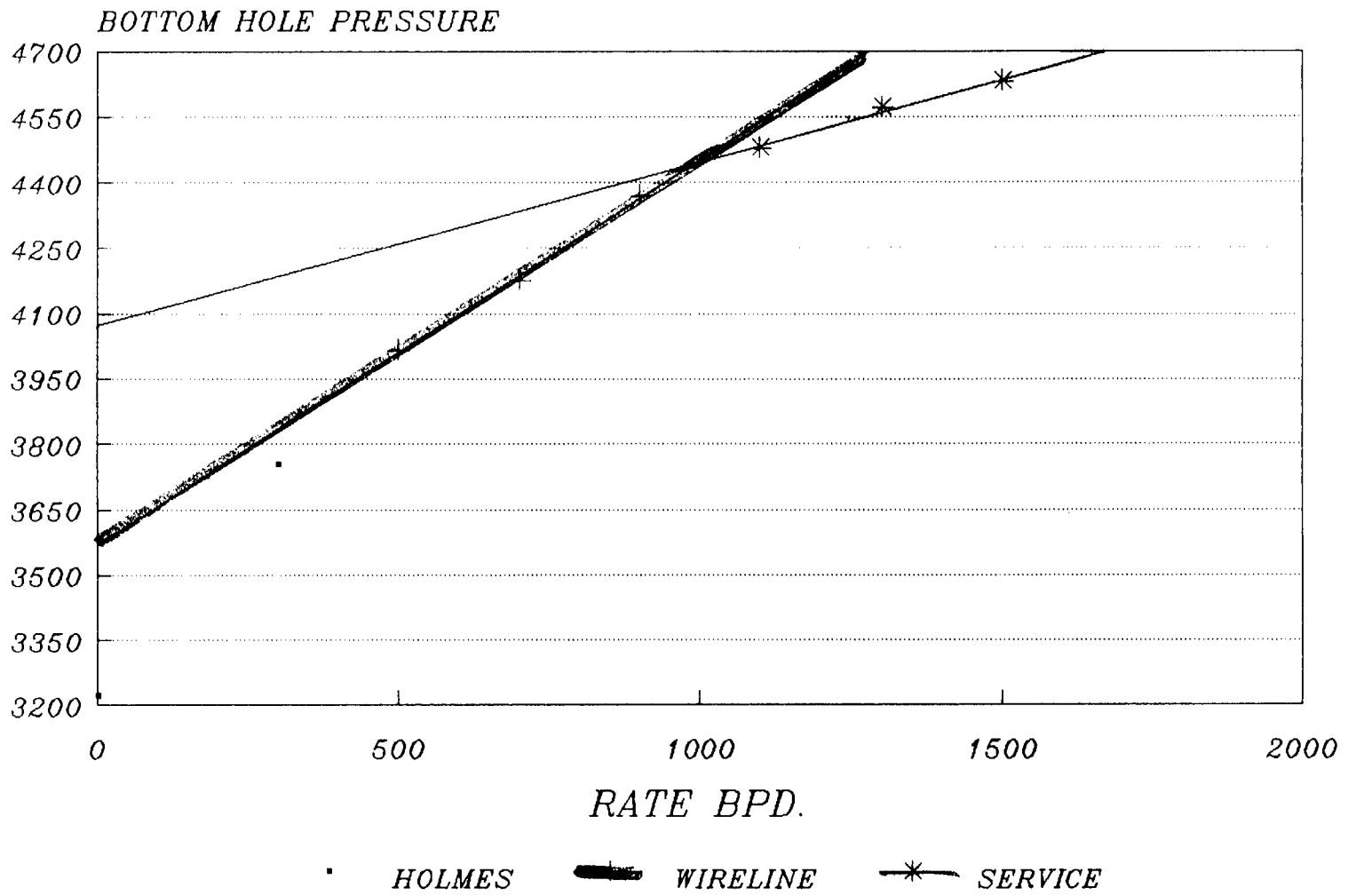
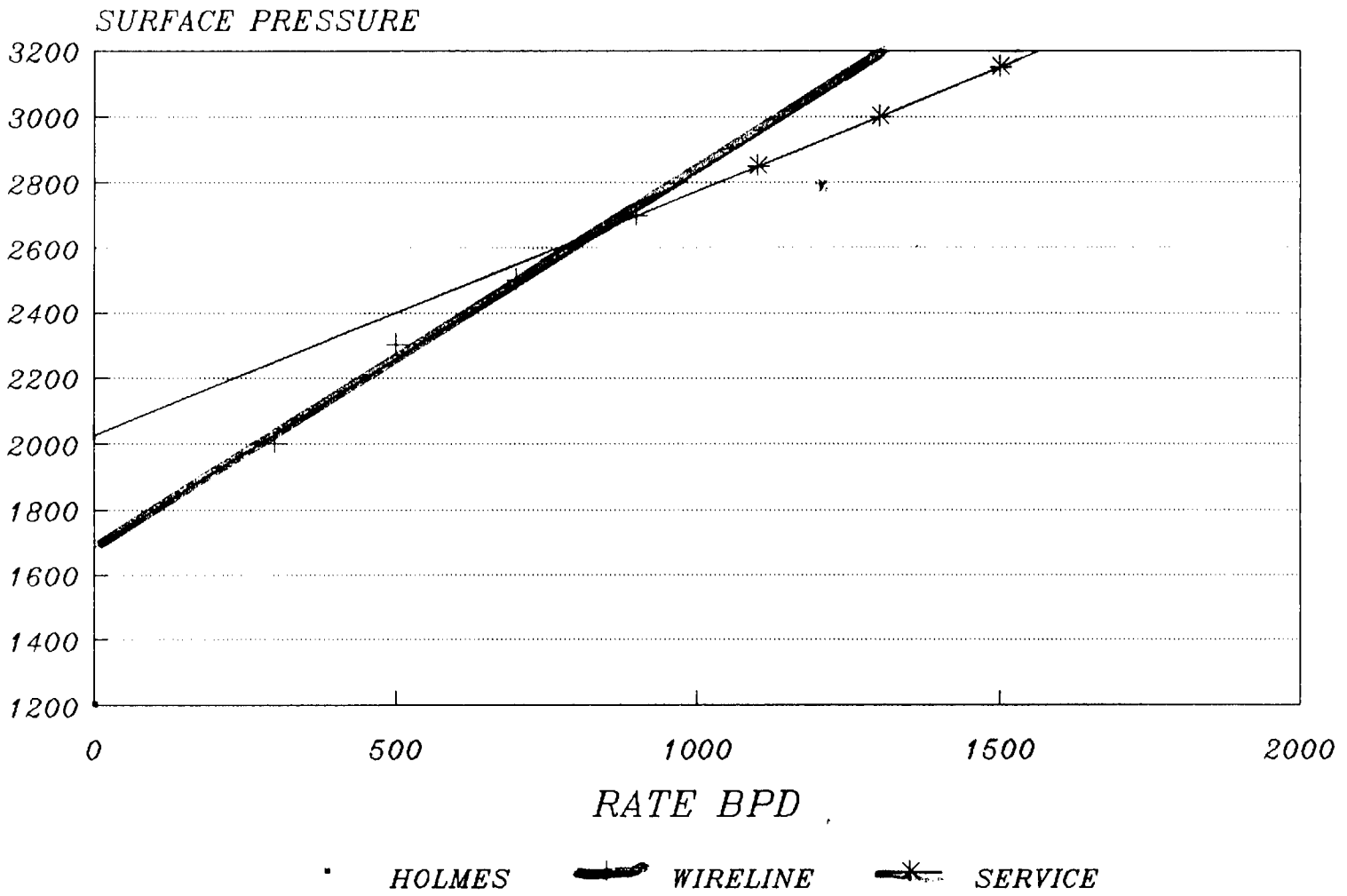


FRACTURE AT APPROX. 4440 BHP 10-4-95

WISER OIL : CMU #12



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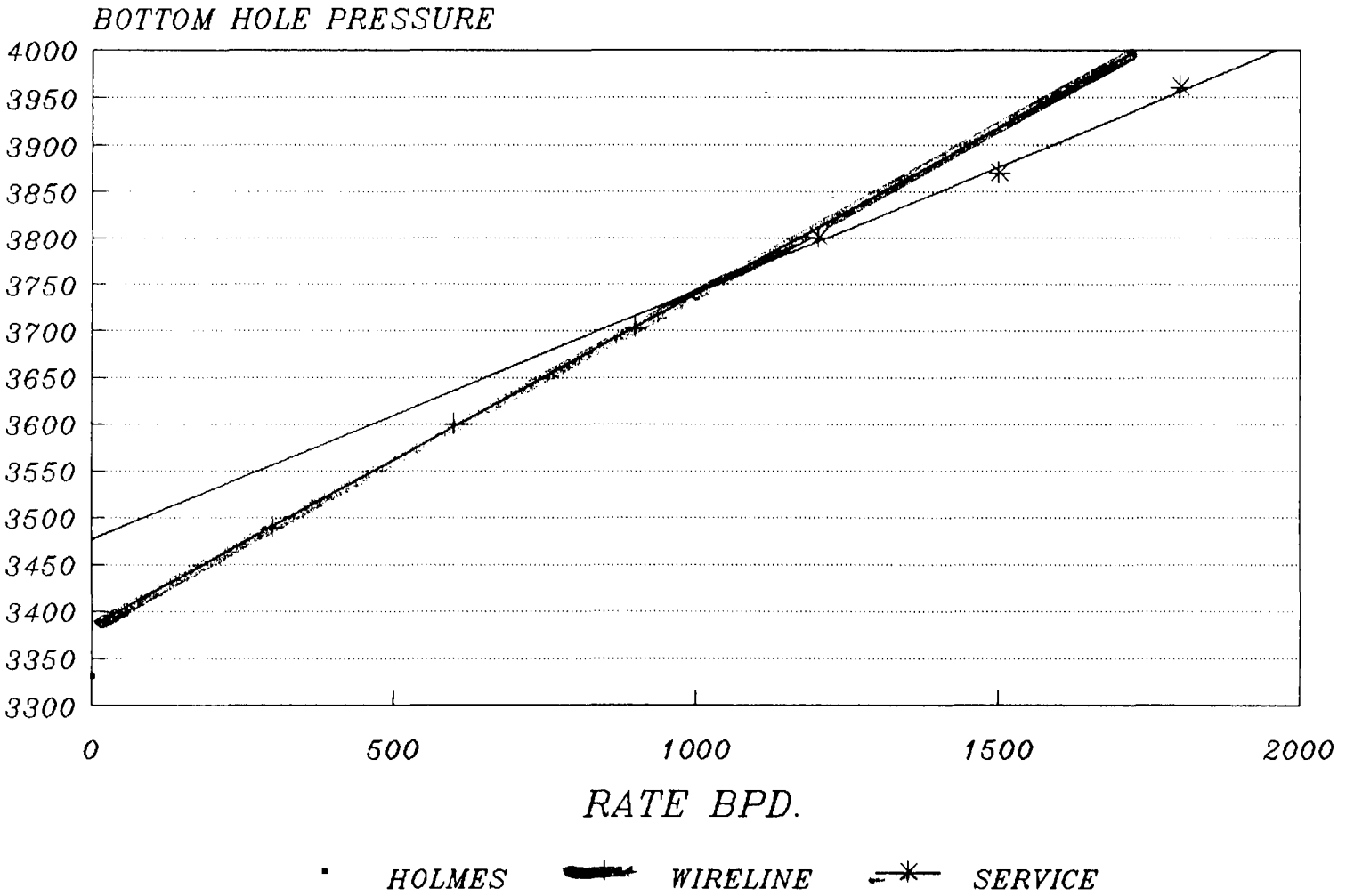
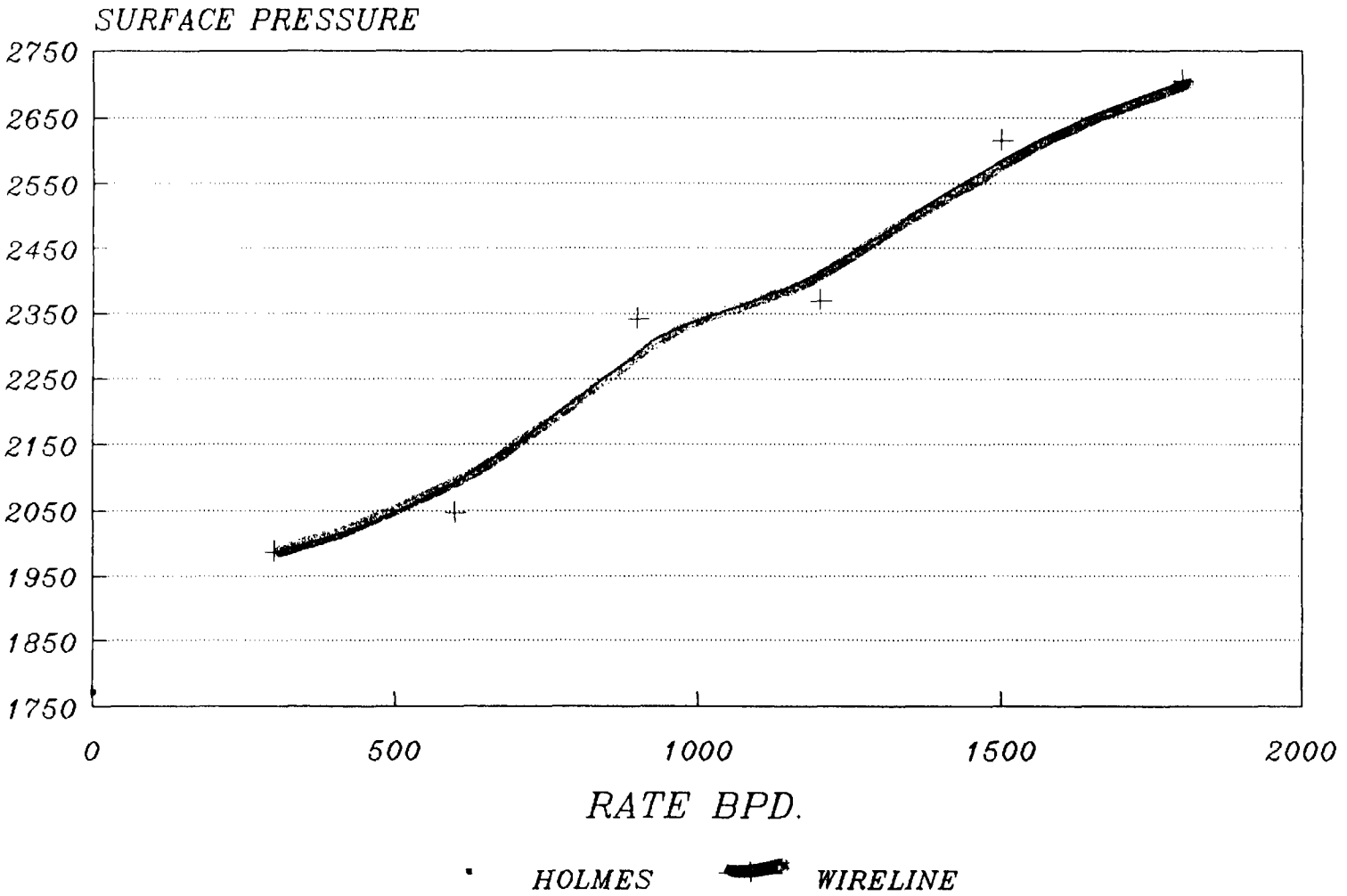
WISER OIL : CMU #17



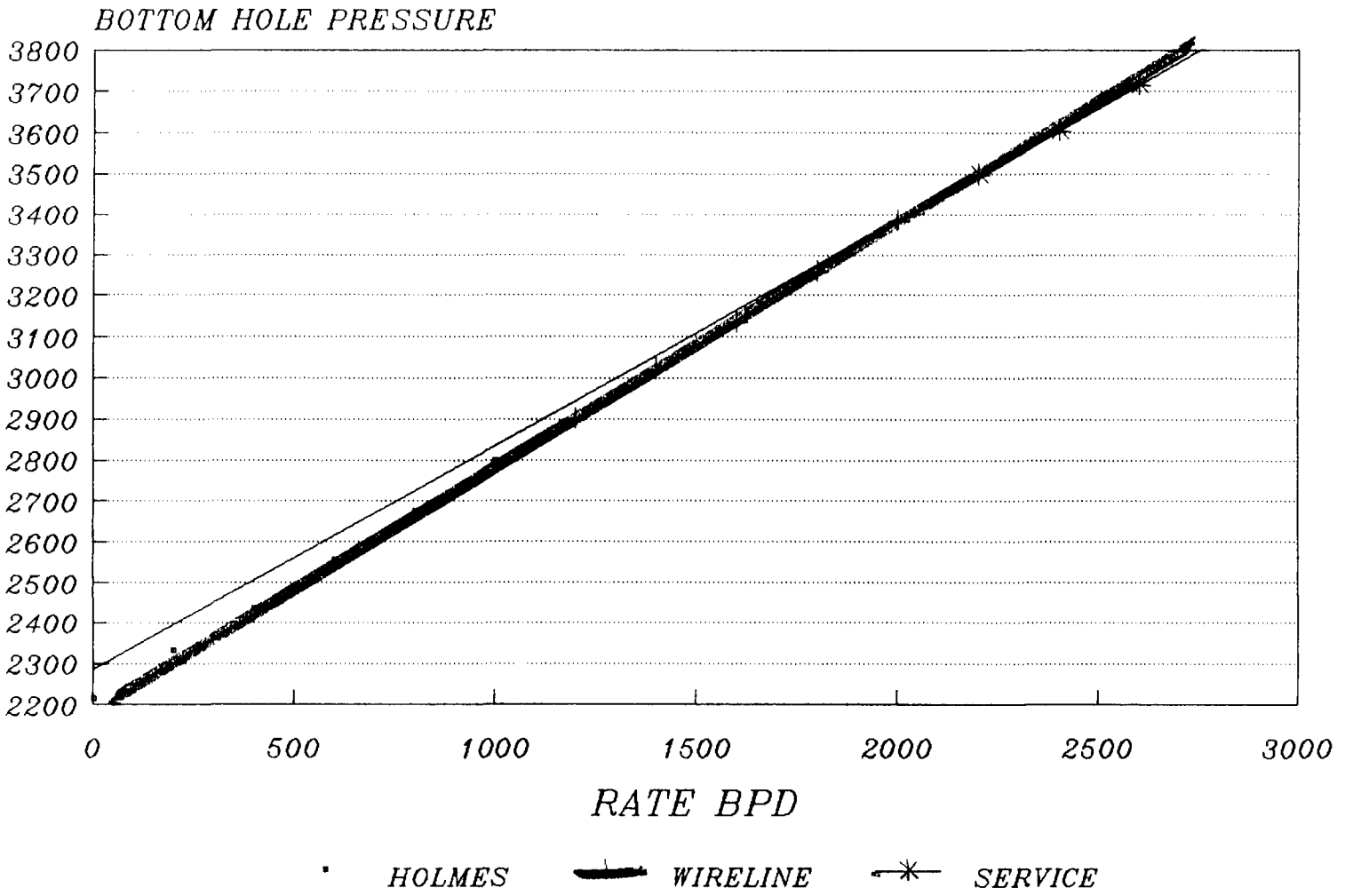
FRACTURE AT APPROX. 3750 BHP 10-2-95

WISER OIL : CMU #17



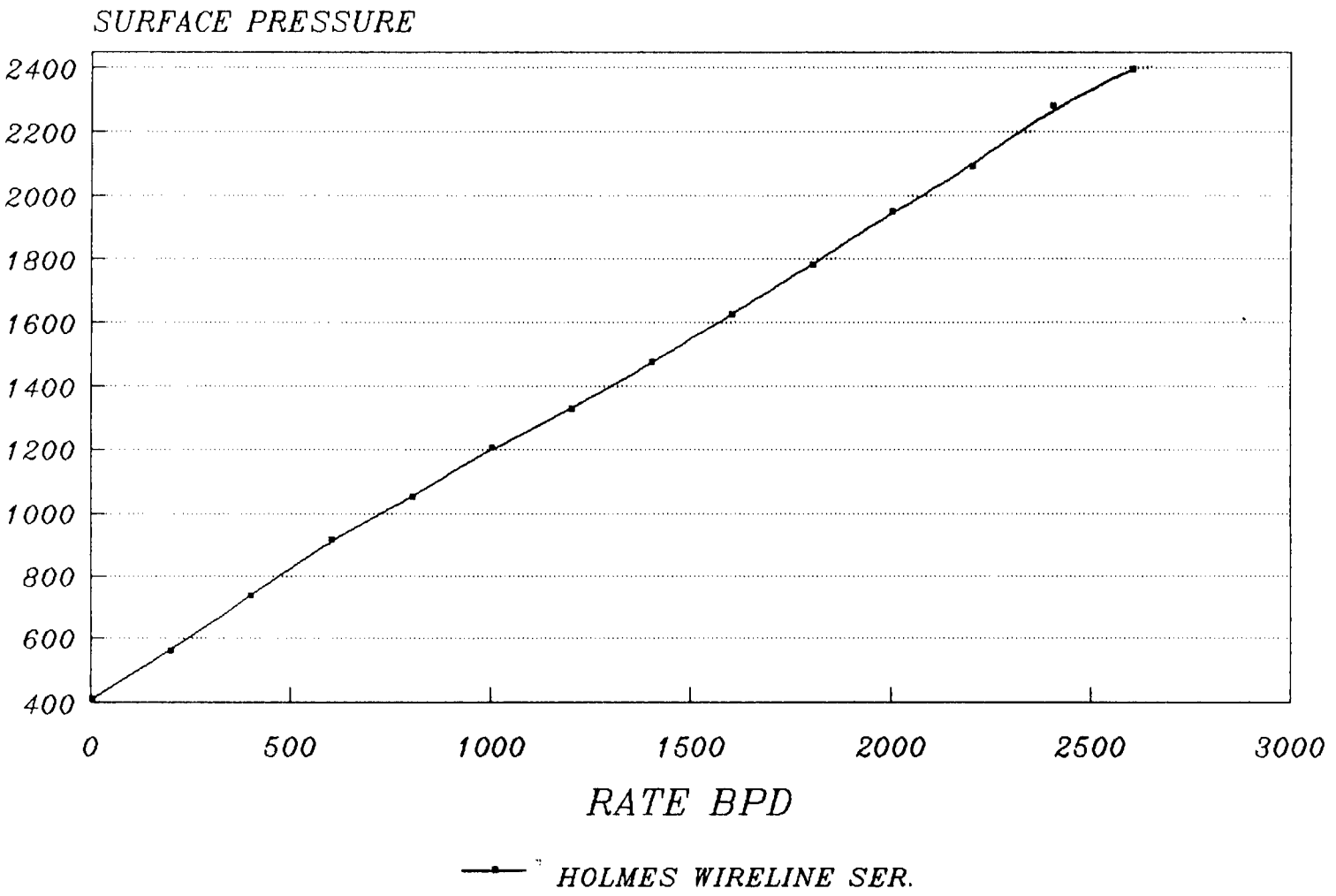
NO FRACTURE INDICATED 10-2-95

WISER OIL : CMU #26



FRACTURE AT 3450 9-27-95

WISER OIL : CMU #26

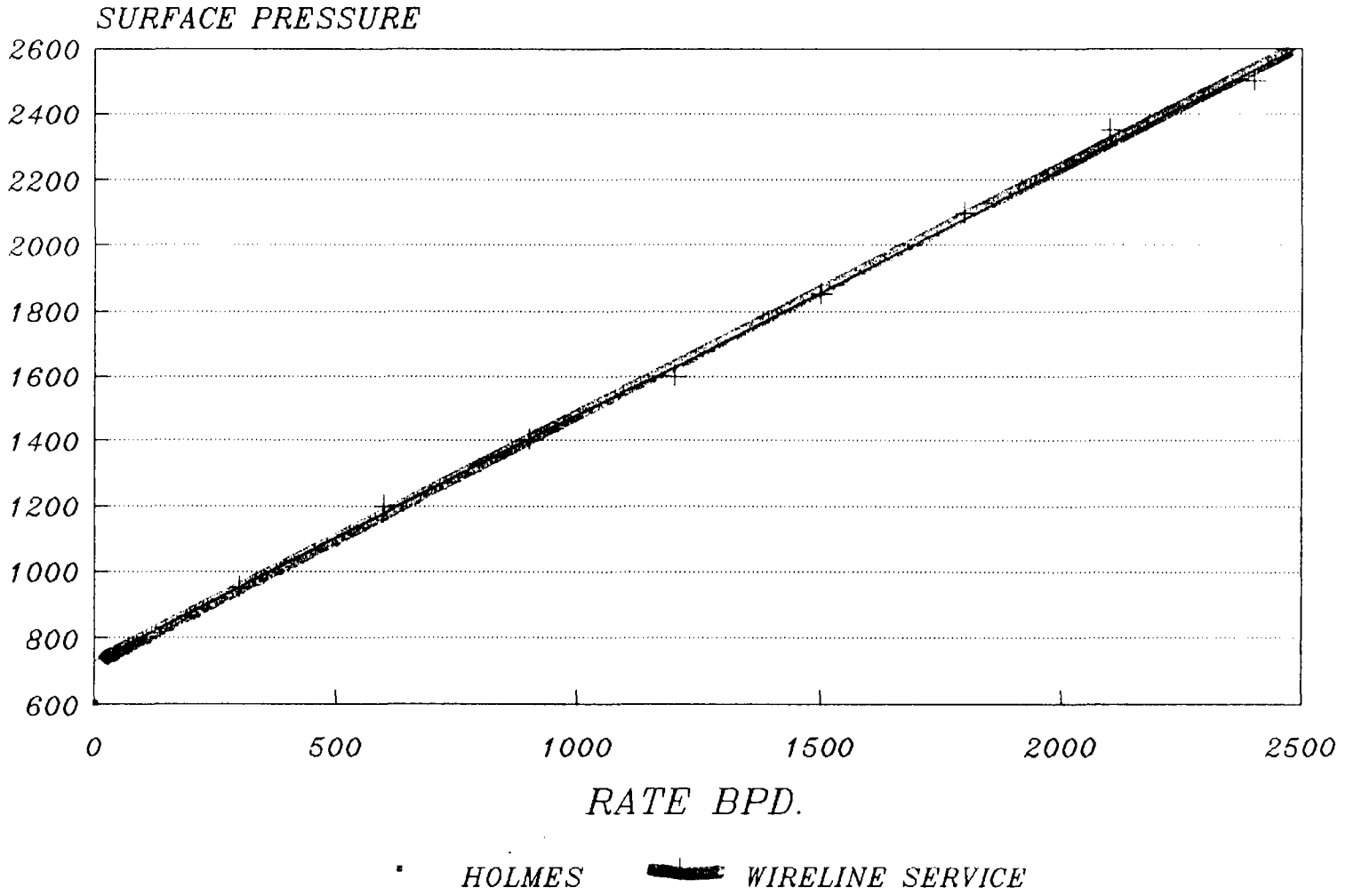


NO FRACTURE INDICATED 9-27-95

WISER OIL : CMU #37

FRACTURE AT APPROX. 3525 BHP 10-11-95

WISER OIL : CMU #37



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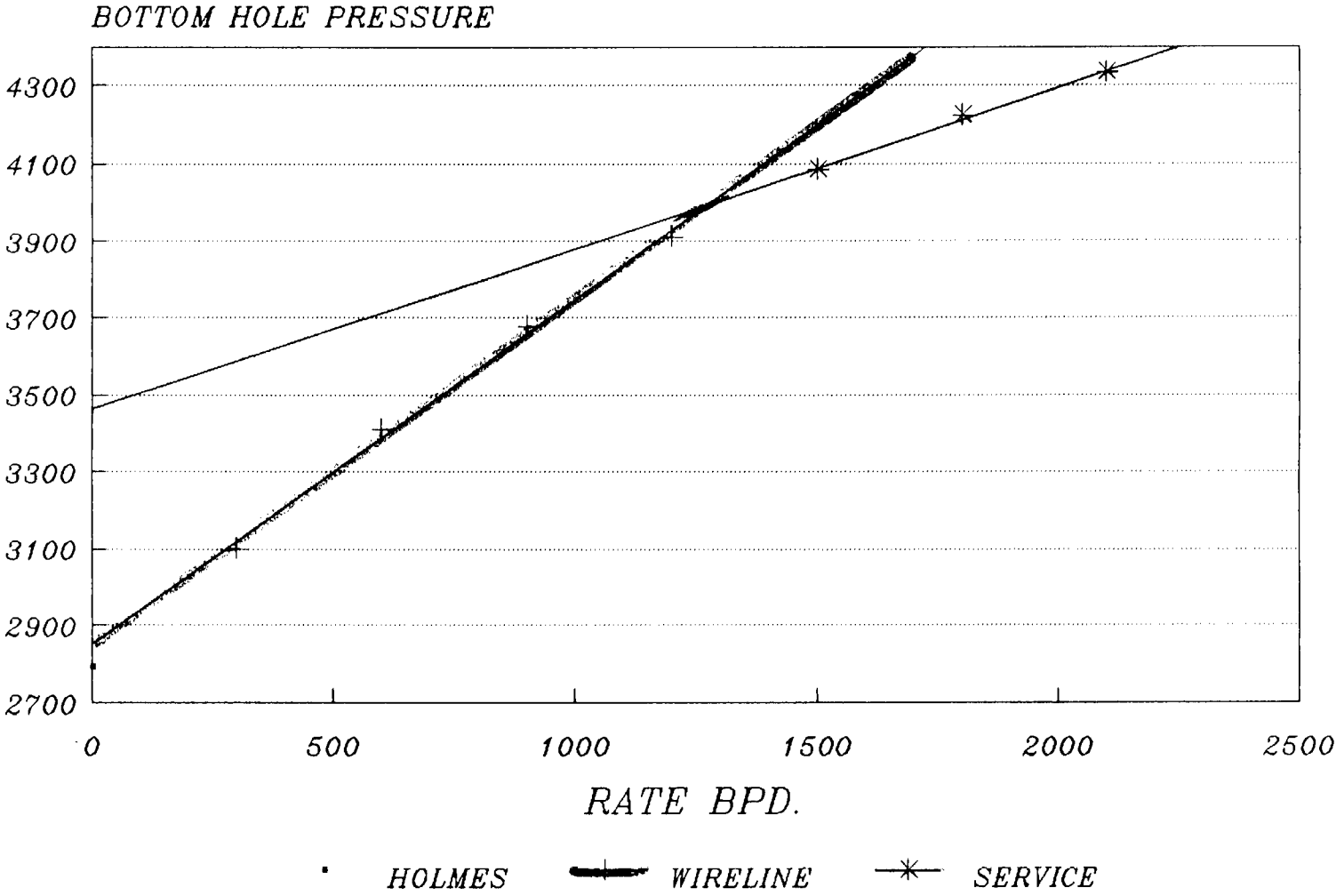
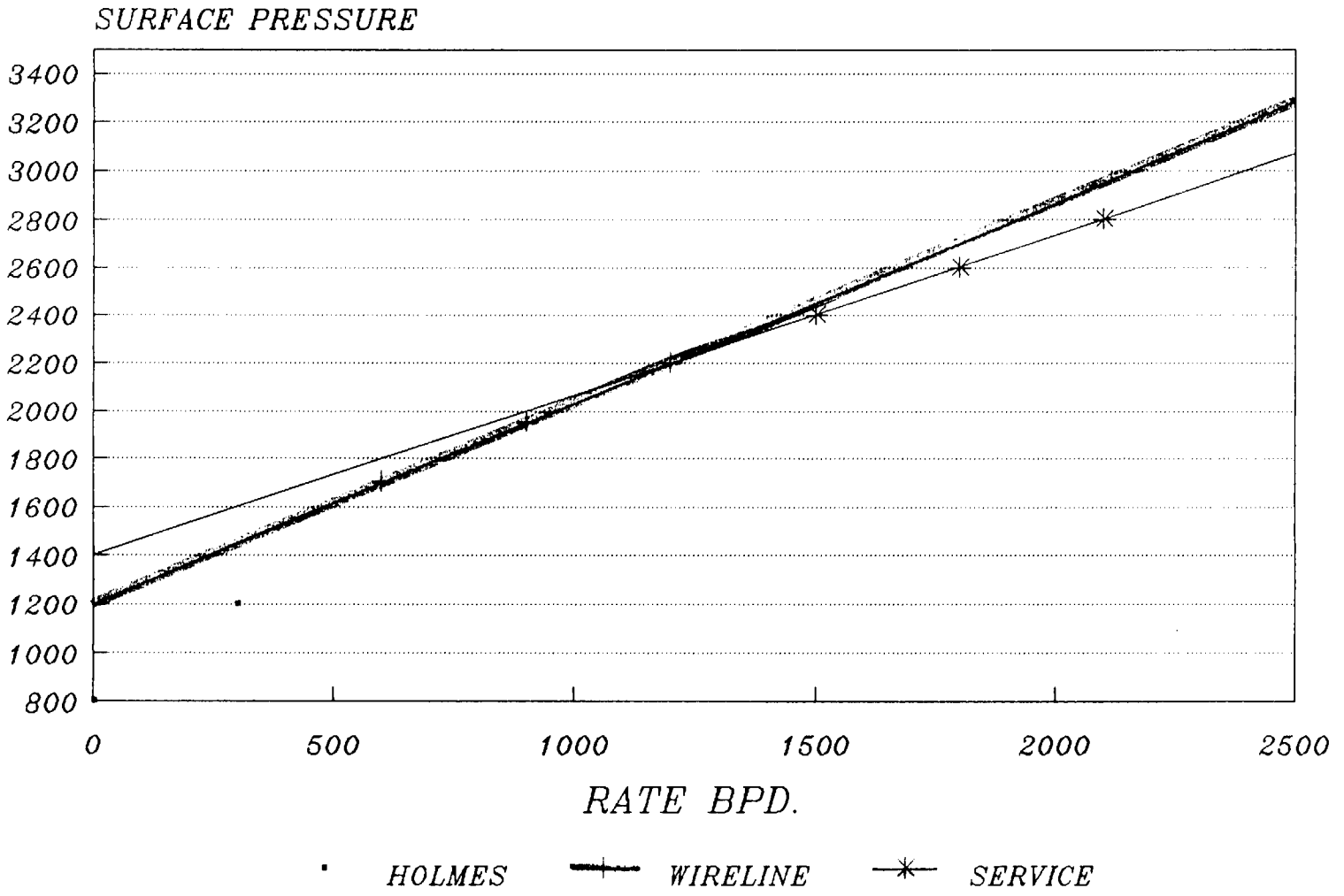


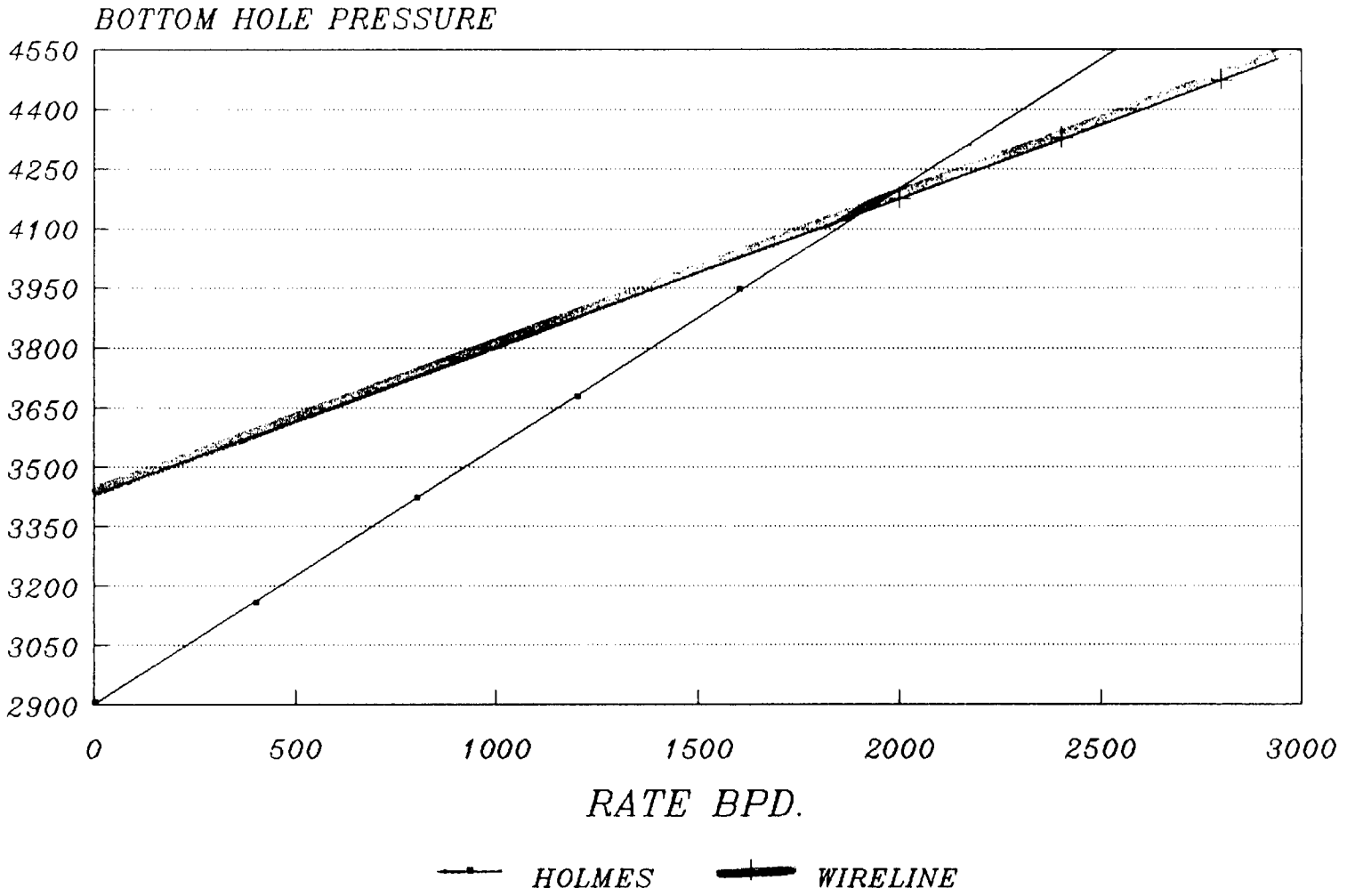
FRACTURE AT APPROX. 4000 BHP 10-10-95

WISER OIL : CMU #40



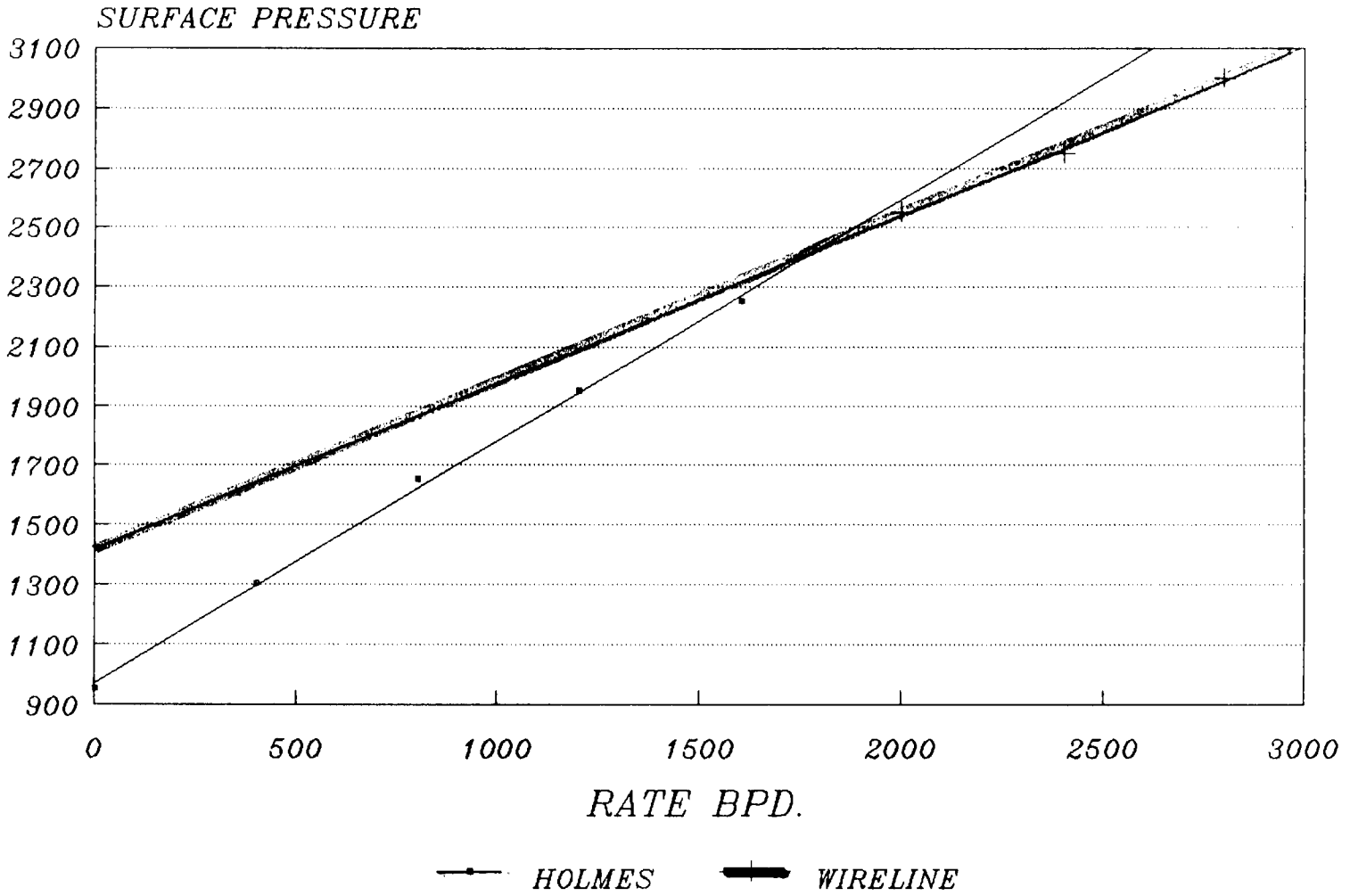
FRACTURE AT APPROX. 2210 PSI 10-10-95

WISER OIL : CMU #42



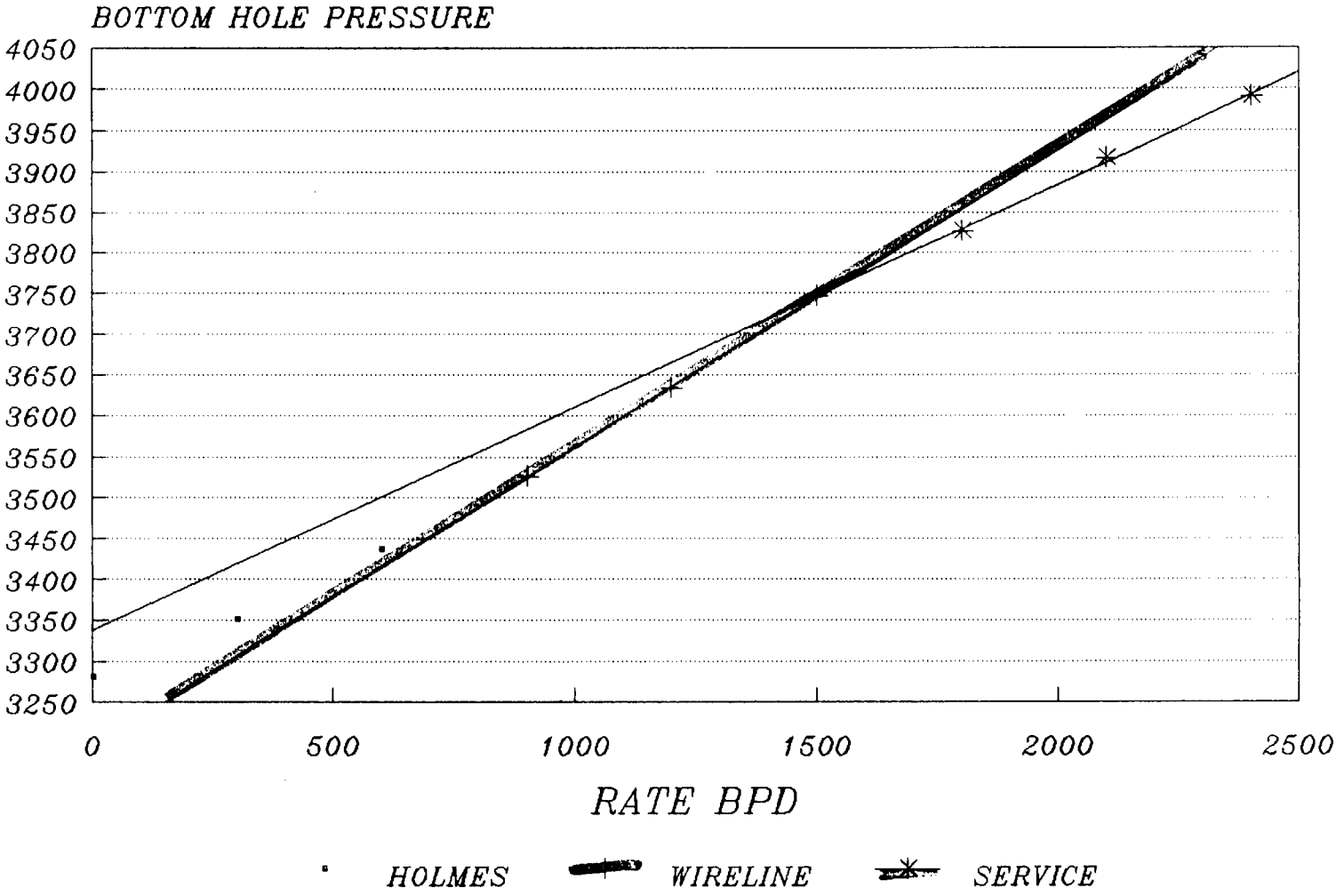
FRACTURE AT APPROX. 4130 BHP 10-2-95

WISER OIL : CMU #42



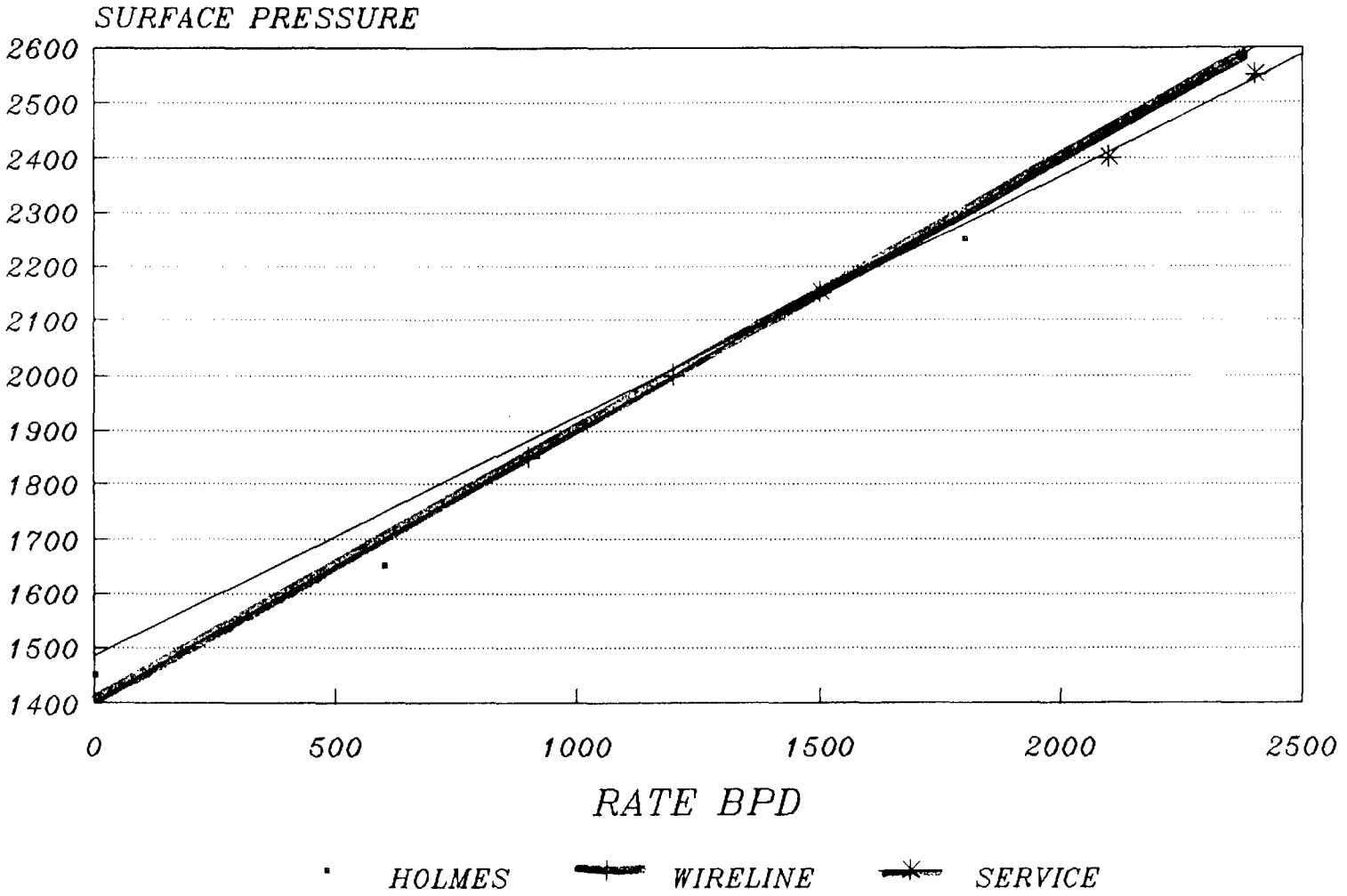
FRACTURE AT APPROX. 2400 PSI 10-2-95

WISER OIL : CMU #51



FRACTURE AT APPROX. 3750 BHP 10-3-95

WISER OIL : CMU #51



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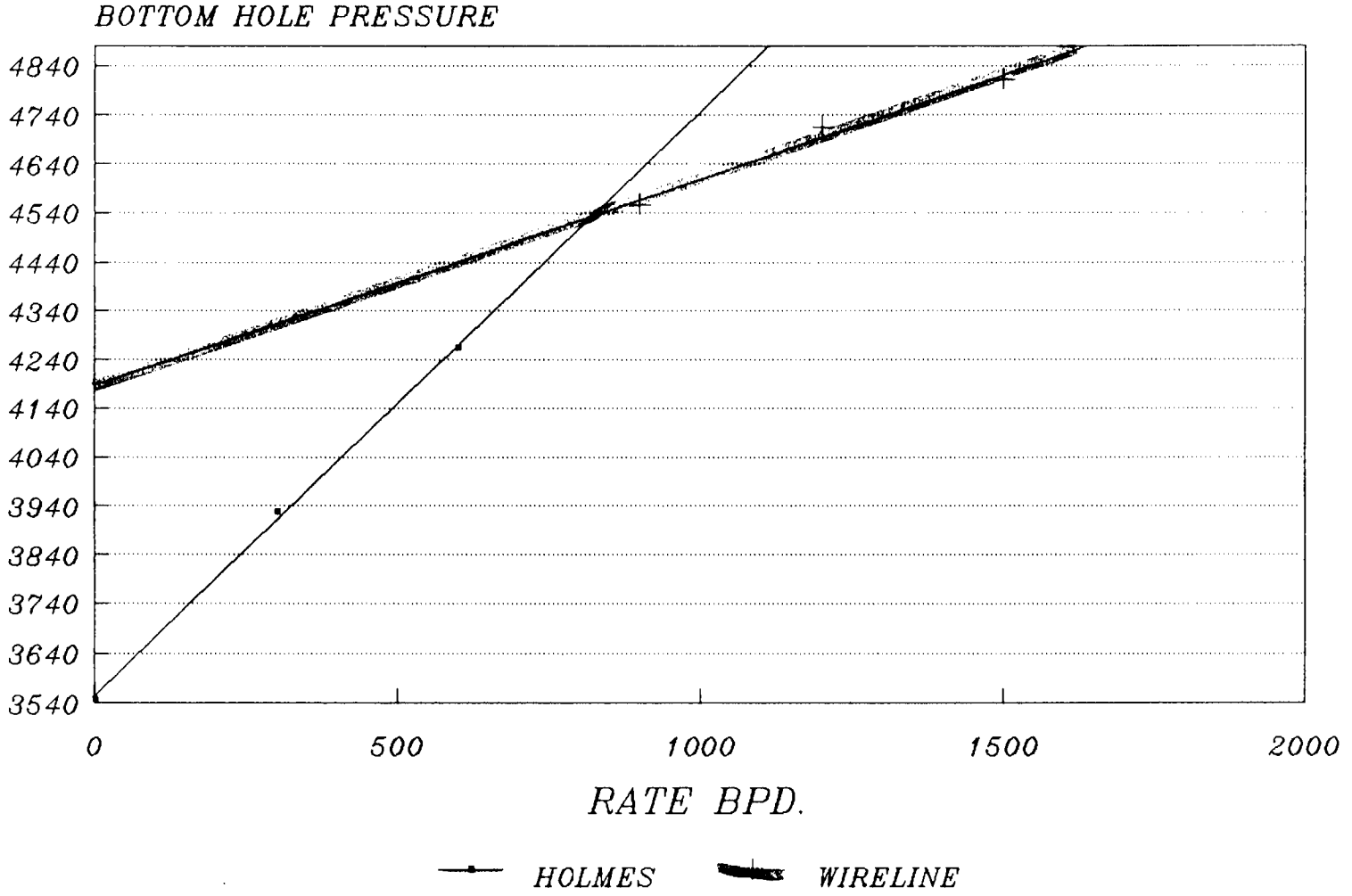
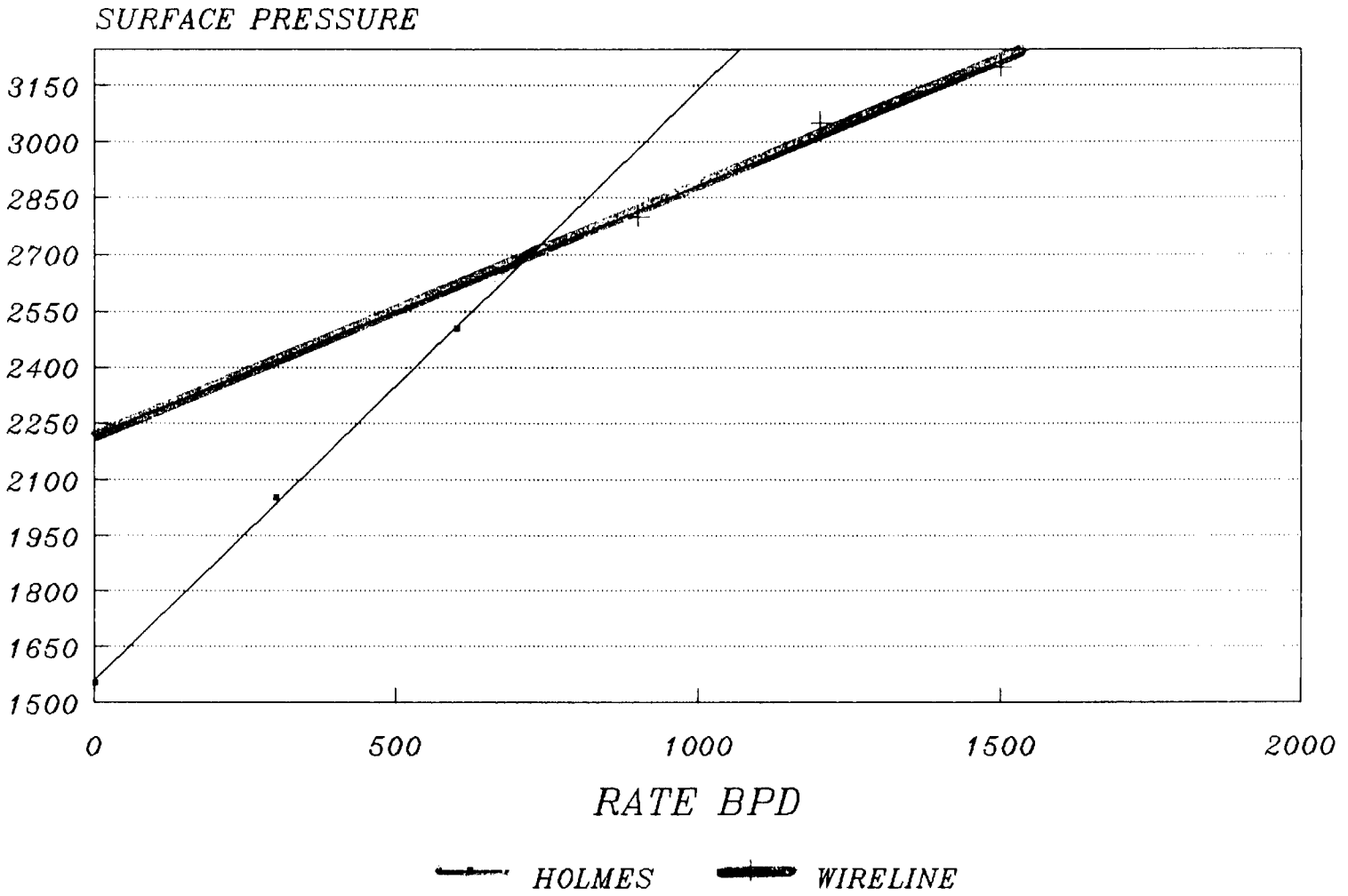
WISER OIL : CMU #57



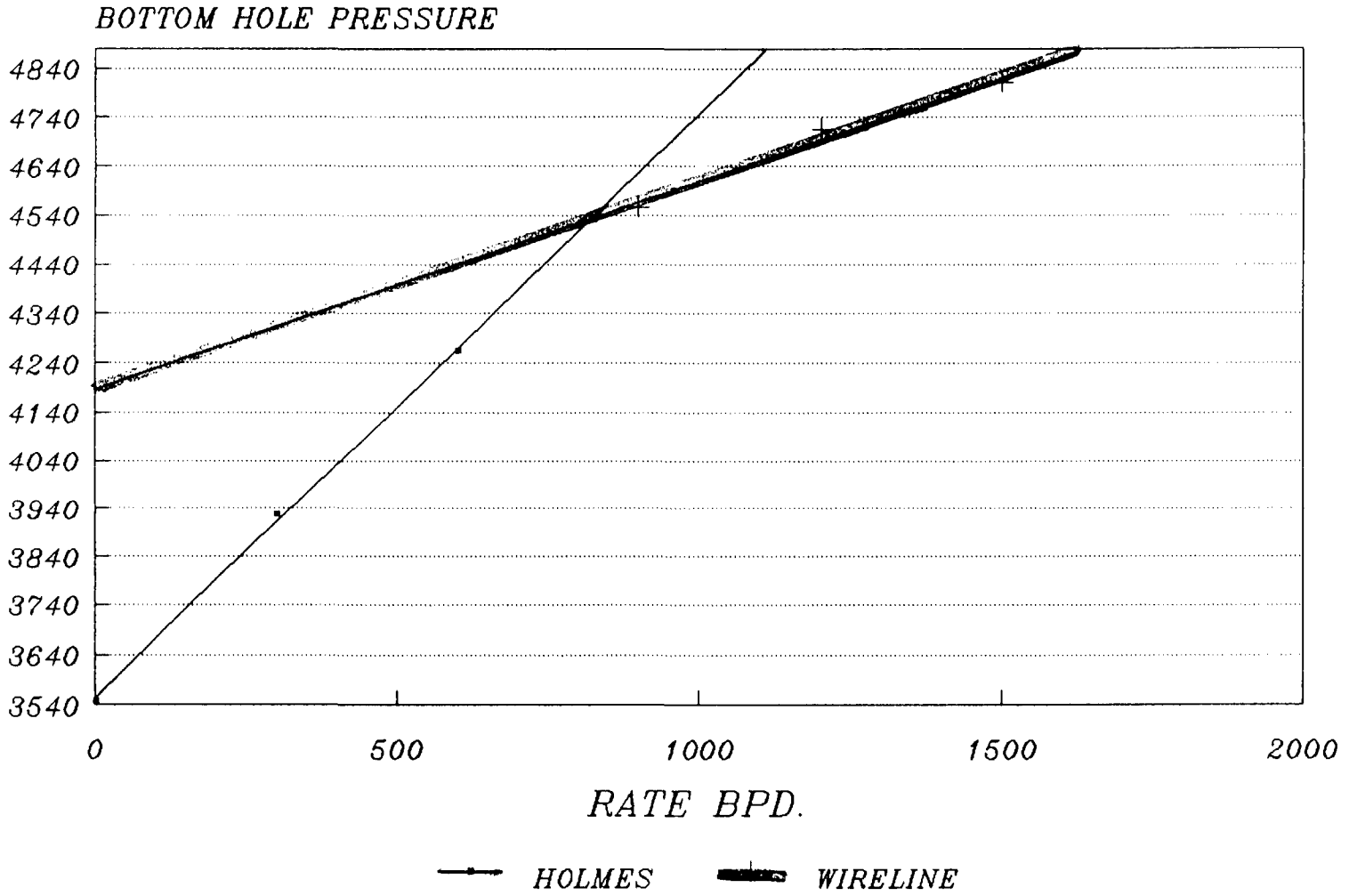
FRACTURE AT APPROX. 4540 BHP 10-4-95

WISER OIL : CMU #57



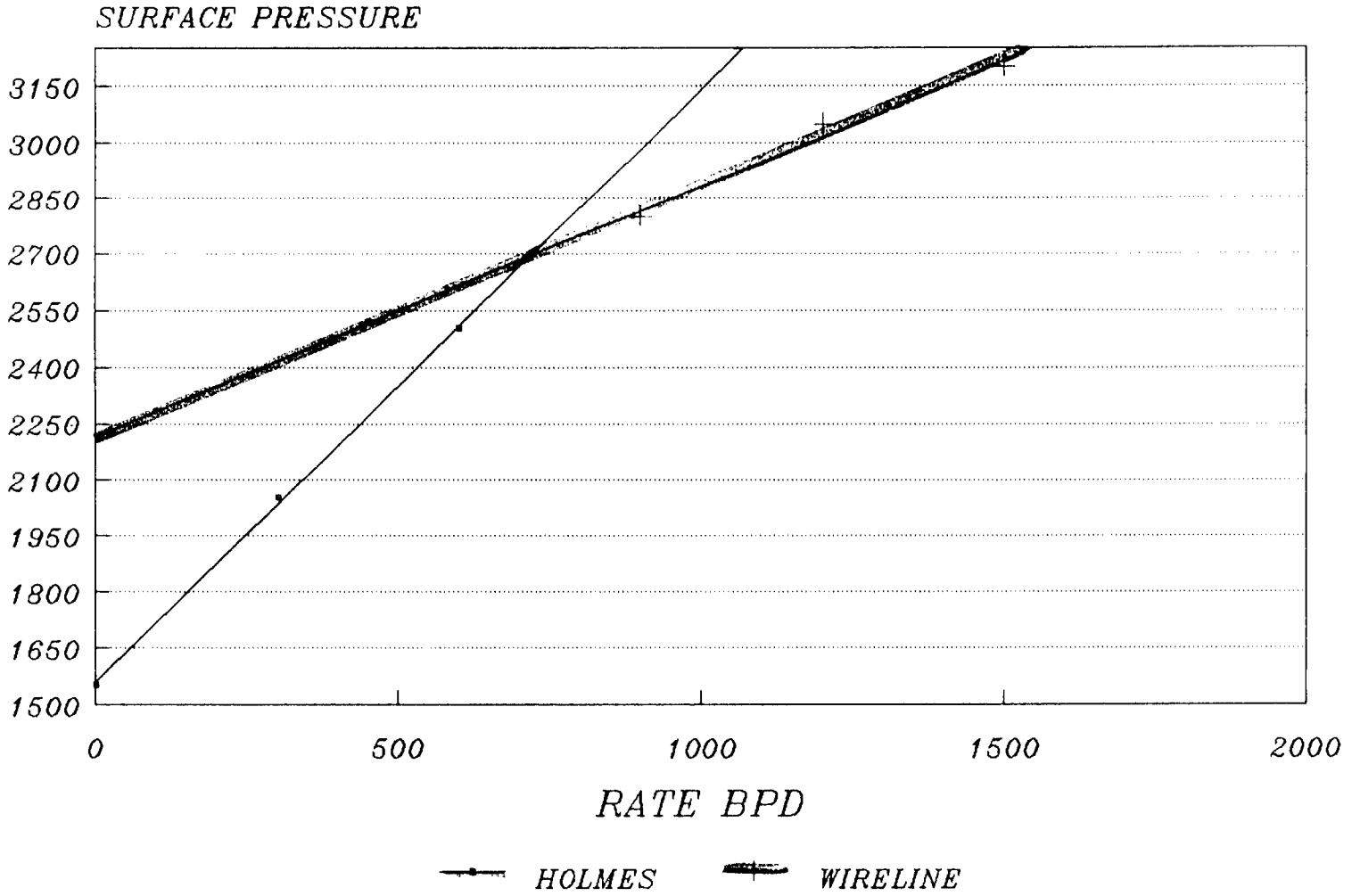
FRACTURE AT APPROX. 2700 PSI 10-4-95

WISER OIL : CMU #57



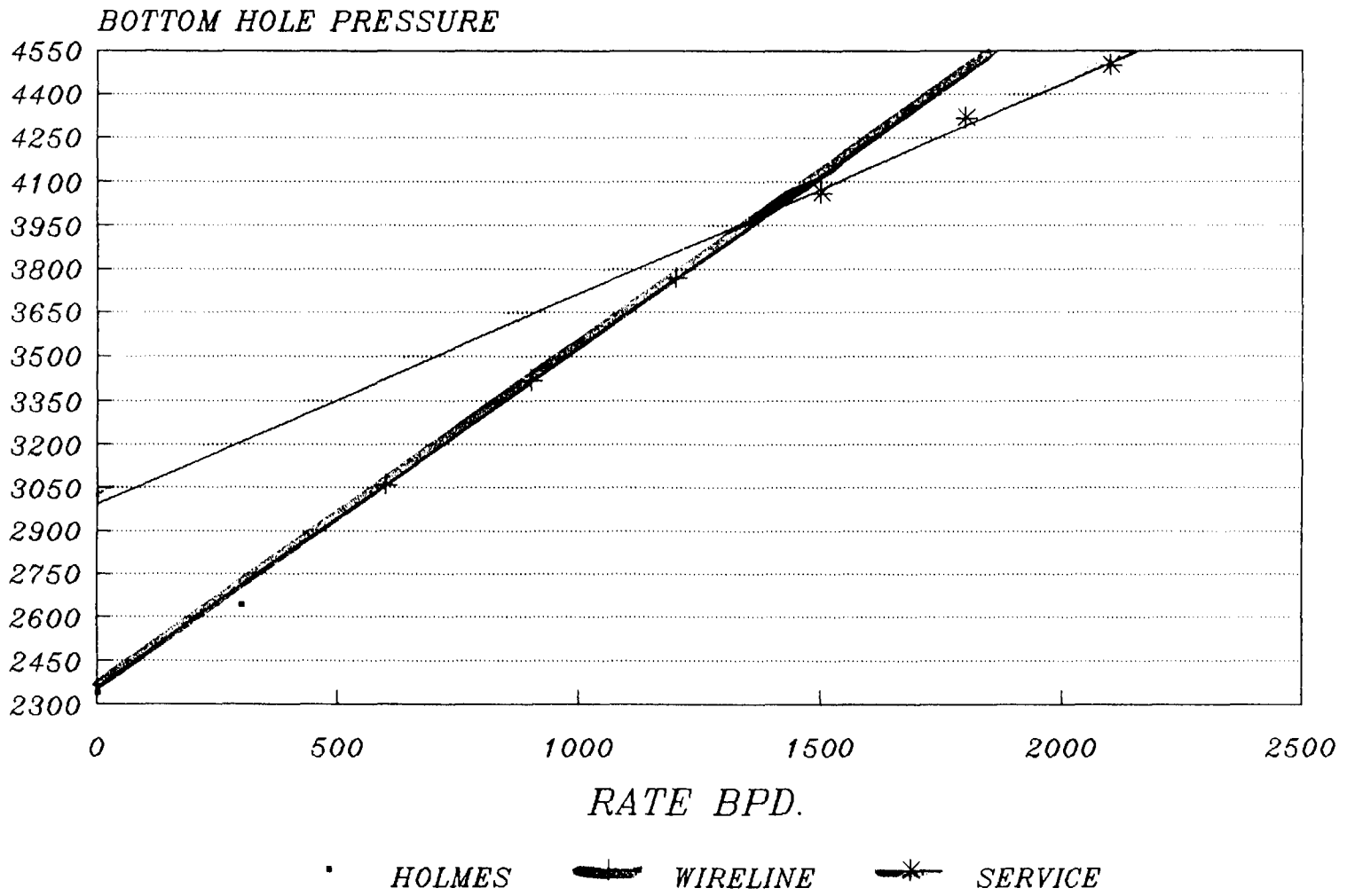
FRACTURE AT APPROX. 4540 BHP 10-4-95

WISER OIL : CMU #57



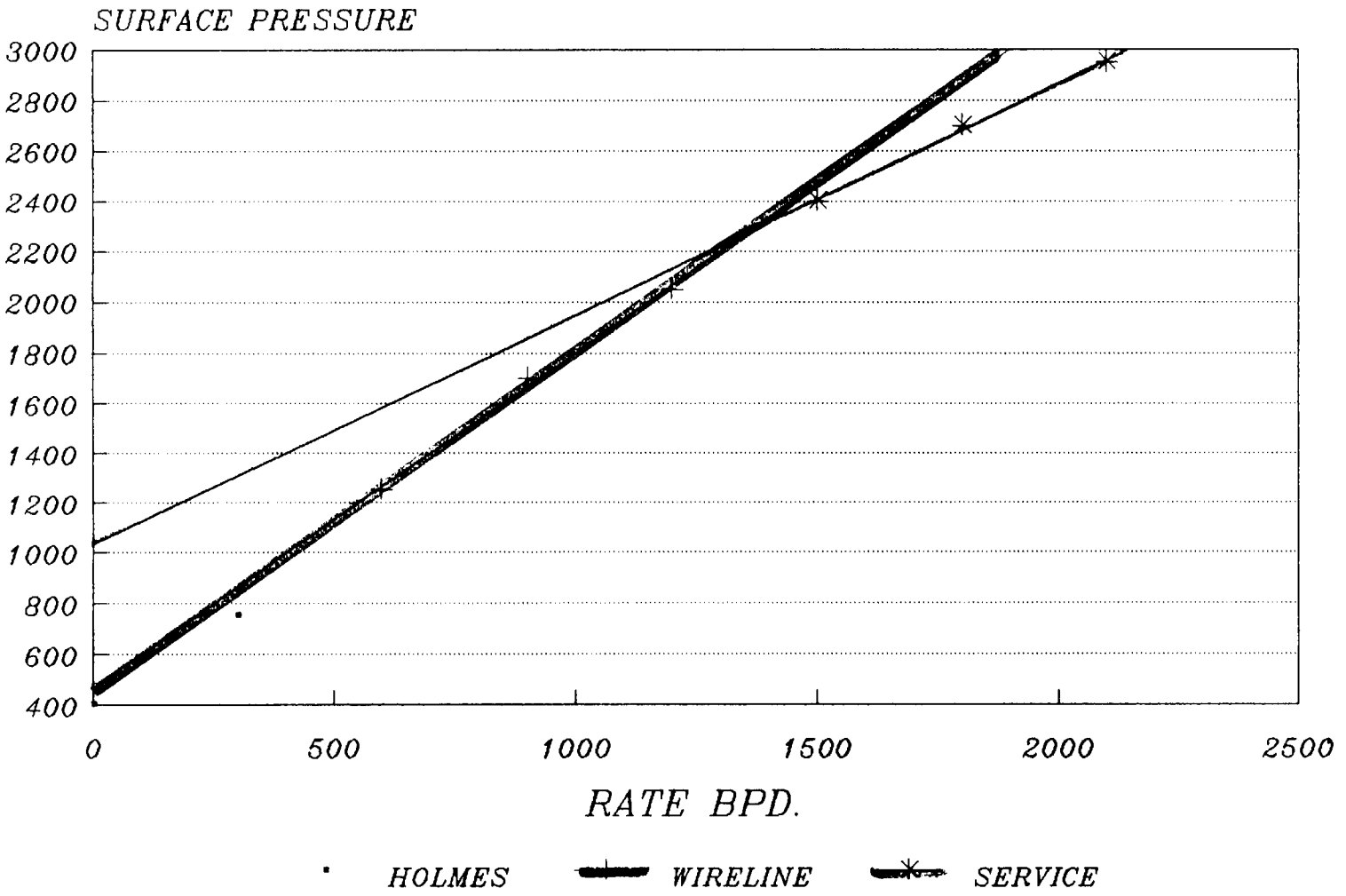
FRACTURE AT APPROX. 2700 PSI 10-4-95

WISER OIL : CMU #59



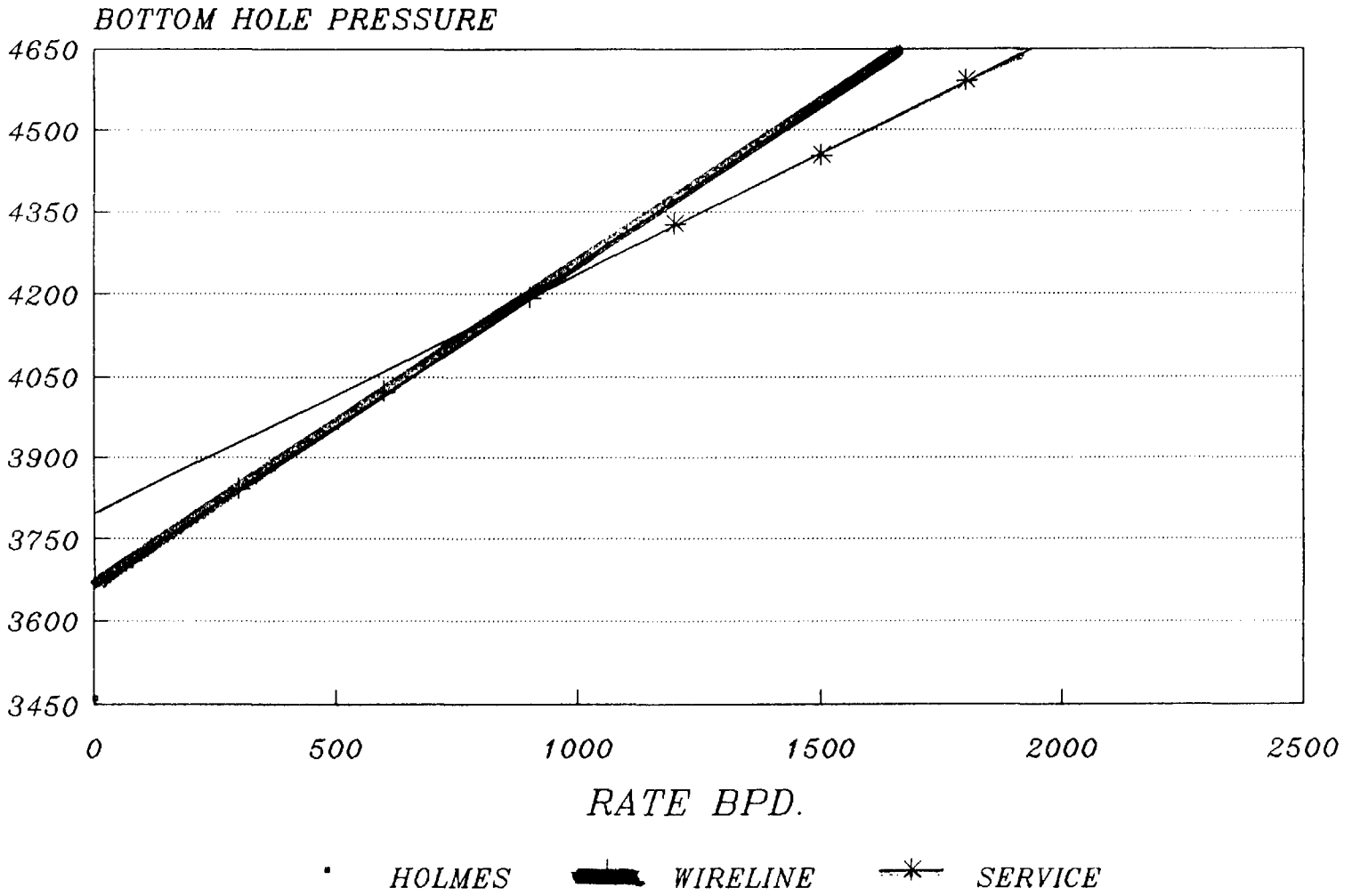
FRACTURE AT APPROX. 4000 BHP 10-5-95

WISER OIL : CMU #59



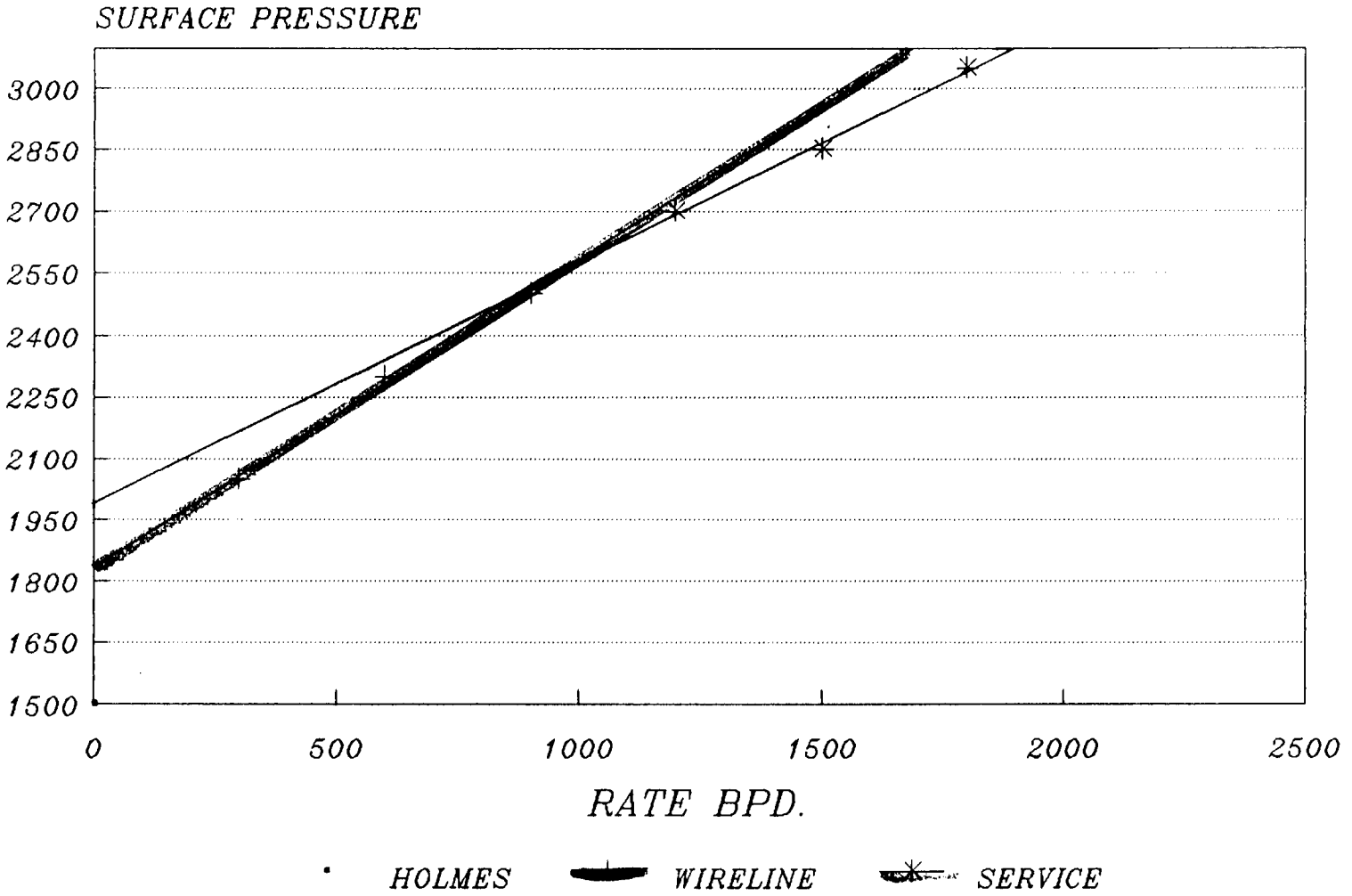
FRACTURE AT APPROX. 2290 PSI 10-5-95

WISER OIL : CMU #70



FRACTURE AT APPROX. 4200 BHP 10-12-95

WISER OIL : CMU #70



FRACTURE AT APPROX. 2550 PSI 10-12-95