



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



January 5, 1993

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

Sirgo Operating, Inc.
P.O. Box 3531
Midland, Texas 79702

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

WFX-570

PDEV0020600570

Victor J. Sirgo

RE: *Injection Pressure Increase
West Dollarhide Queen Sand Unit
17 Wells
Lea County, New Mexico*

Dear Sir:

Reference is made to your request dated December 21, 1992, to increase the surface injection pressure on 17 wells in the West Dollarhide Queen Sand Unit. This request is based on step rate tests conducted on these wells between November 6 and November 21, 1992. 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

WDQSU No. 1
330' FSL & 2310' FEL
"O" 19-24S-38E

1300 PSIG

WDQSU No. 6
990' FNL & 2310' FEL
"B" 30-24S-38E

1020 PSIG

WDQSU No. 12
1650' FSL & 990' FWL
"L" 30-24S-38E

980 PSIG

WELL AND LOCATION

MAXIMUM INJECTION
SURFACE PRESSURE

WDQSU No. 18
330' FSL & 660' FEL
"P" 30-24S-38E

1050 PSIG

WDQSU No. 21
330' FSL & 990' FWL
"M" 30-24S-38E

1320 PSIG

WDQSU No. 33
1750' FNL & 2310' FWL
"F" 31-24S-38E

1180 PSIG

WDQSU No. 35
1980' FSL & 1650' FEL
"J" 31-24S-38E

1180 PSIG

WDQSU No. 37
2310' FSL & 330' FWL
"L" 32-24S-38E

1200 PSIG

WDQSU No. 109
750' FNL & 500' FWL
"D" 32-24S-38E

1215 PSIG

WDQSU No. 113
330' FNL & 2360' FWL
"C" 31-24S-38E

1255 PSIG

WDQSU No. 130
990' FNL & 1090' FWL
"D" 30-24S-38E

1230 PSIG

WDQSU No. 136
1950' FNL & 350' FWL
"E" 32-24S-38E

1230 PSIG

WELL AND LOCATION

MAXIMUM INJECTION
SURFACE PRESSURE

WDQSU No. 137
1930' FNL & 735' FEL
"H" 31-24S-38E

1240 PSIG

WDQSU No. 142
800' FSL & 900' FEL
"P" 32-24S-38E

1120 PSIG

WDQSU No. 143
1880' FSL & 2140' FEL
"J" 32-24S-38E

1255 PSIG

WDQSU No. 148
700' FSL & 500' FWL
"M" 32-24S-38E

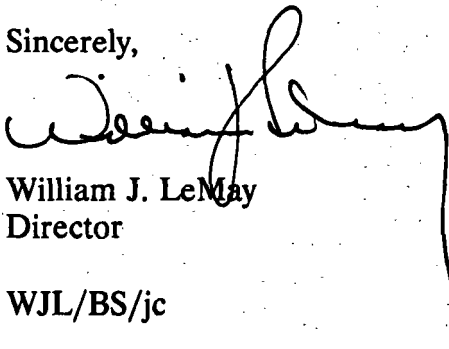
1080 PSIG

WDQSU No. 151
492' FSL & 550' FWL
"M" 29-24S-38E

1120 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.

Sincerely,



William J. LeMay
Director

WJL/BS/jc

cc: Oil Conservation Division - Hobbs
File: WFX-570

NO WAITING PERIOD

COMPANY: SIRGO OPERATING, INC.
ADDRESS: P.O. BOX 3531
CITY, STATE, ZIP: MIDLAND, TX 79702
ATTENTION: VICTOR J. SIRGO

Re: Injection Pressure Increase
WEST DOLLARHIDE OIL SAND UNIT
17 WELLS
LEA County, New Mexico

Dear Sir:

Reference is made to your request dated DECEMBER 21, 1992, to increase the surface injection pressure on 17 WELLS IN THE WEST DOLLARHIDE OIL SAND UNIT. This request is based on step rate tests conducted on these wells BETWEEN NOV. 6 AND NOV. 21, 1992. 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 Injection Surface Pressure</u>
<u>WDQSU No. 1</u> <u>"M" 330' FSL & 2310' FEL</u> <u>"O" 19.245.38E</u>	<u>1300 PSIG</u>
<u>WDQSU No. 6</u> <u>990' FNL & 2310' FEL</u> <u>"B" 30.245.38E</u>	<u>1020 PSIG</u>
<u>WDQSU No. 12</u> <u>1650' FSL & 990' FNL</u> <u>"L" 30.245.38E</u>	<u>980</u> <u>1030 PSIG</u>
<u>WDQSU No. 18</u> <u>330' FSL & 660' FEL</u> <u>"P" 30.245.38E</u>	<u>1050 PSIG</u>

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: W. CHILLEGOS D. CATANACH FILE- WFX 570 OCD- HOBBS

Well & LocationMaximum Injection
Surface Pressure

WDQSU No. 21
330' FSL & 990' FWL
"M" 30.245.38E

1320 PSIG

WDQSU No. 33
1750' FNL & 2310' FWL
"F" 31.245.38E

1180 PSIG

WDQSU No. 35
1980' FSL & 1650' FEL
"J" 31.245.38E

1180 PSIG

WDQSU No. 37
2310' FSL & 330' FWL
"L" 32.245.38E

1200 PSIG

WDQSU No. 109
750' FNL & 500' FWL
"D" 32.245.38E

1215 PSIG

WDQSU No. 113
330' FNL & 2360' FWL
"C" 31.245.38E

1255 PSIG

WDQSU No. 130
990' FNL & 1090' FWL
"D" 30.245.38E

1230 PSIG

WDQSU No. 136
1950' FNL & 350' FWL
"E" 32.245.38E

1230 PSIG

Well & Location

Maximum Injection
Surface Pressure

WDQSU No. 137
1930' FNL & 735' FEL
"H" 31.245.38E

1240 PSIG

WDQSU No. 142
800' FSL & 900' FEL
"P" 32.245.38E

1120 PSIG

WDQSU No. 143
1880' FSL & 2140' FEL
"J" 32.245.38E

1255 PSIG

WDQSU No. 148
700' FSL & 500' FWL
"M" 32.245.38E

1080 PSIG

WDQSU No. 151
492' FSL & 550' FWL
"M" 29.245.38E

1120 PSIG

REC'D 12-22-92

Sirgo Operating, Inc.

P. O. Box 3531, Midland, Texas 79702 (915) 685-0878

December 21, 1992

New Mexico Oil Conservation Dision
PO Box 2088
Santa Fe, New Mexico 87501

Attention: David Catanach

Re: West Dollarhide Queen Sand Unit
Amendment to C-108 to Increase
Injection Pressures

David:

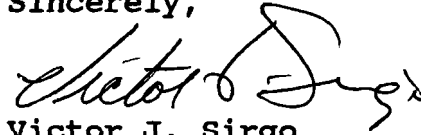
We respectfully request an increase on allowables for wellhead injection pressures on the wells listed below in the West Dollarhide Queen Sand Unit. Attached you will find a copy of the step rate tests for these wells.

<u>WELL #</u>	<u>BREAKING POINT</u>	<u>REQUESTED WELLHEAD INJECTION PRESSURE</u>
1	1400 psi	1300 psi
6	1120	1020
12	1130	1030
18	1150	1050
21	1420	1320
33	1280	1180
35	1280	1180
37	1300	1200
109	1315	1215
113	1355	1255
130	1330	1230
136	1330	1230
137	1340	1240
142	1220	1120
143	1355	1255
148	1180	1080
151	1220	1120

WDQSU - Step rate test
12-21-92
Page 2

If you require further information to process this request, please
call me at 915/685-0878.

Sincerely,

A handwritten signature in cursive script, appearing to read "Victor J. Sirgo".

Victor J. Sirgo
Vice-President

VJS:bja

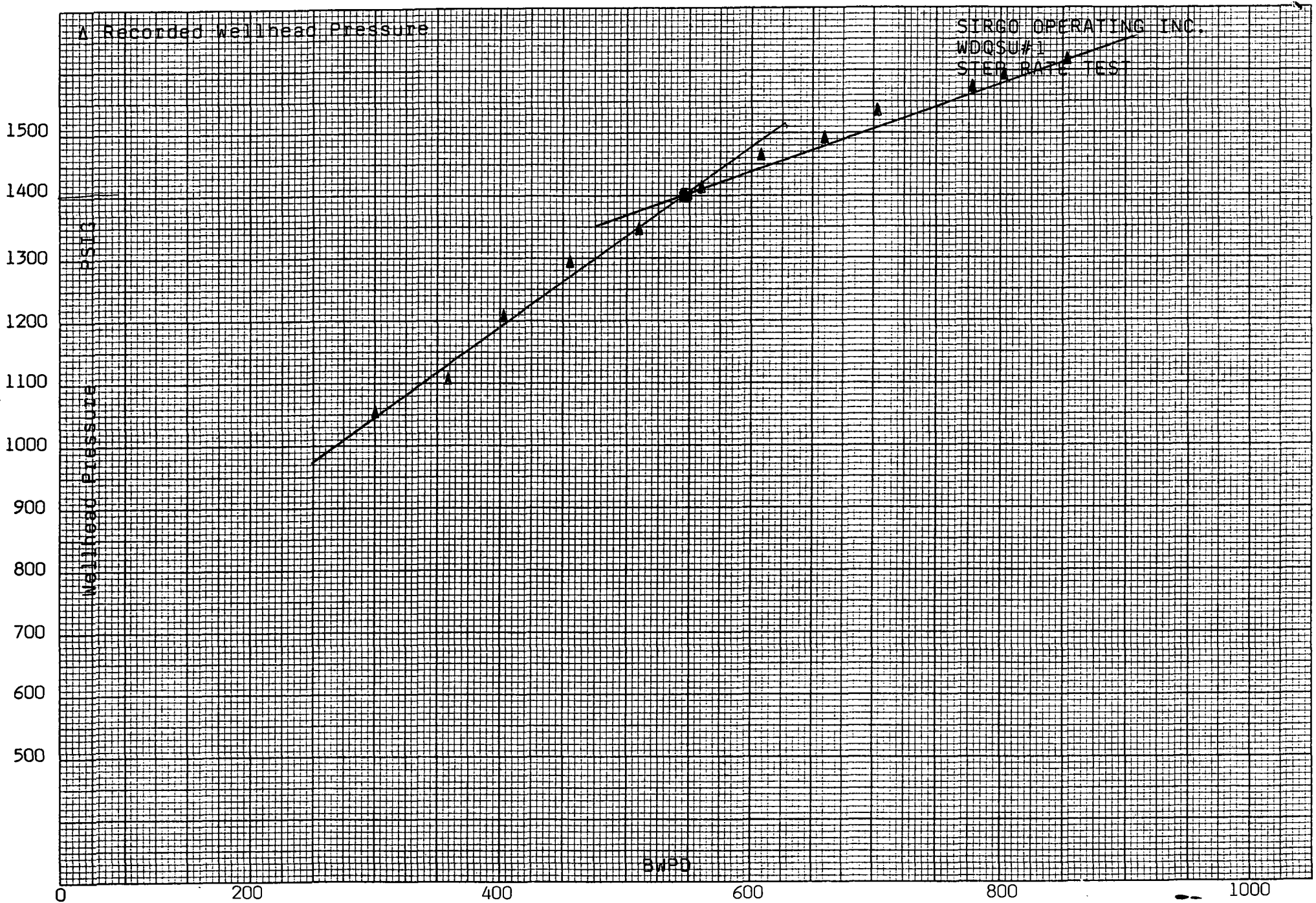
cc: NMOCD - Hobbs

STEP RATE INJECTION TEST

WELL NAME WDQSU #1
OPERATER SIRGO OPER. INC.

DATE 11-9-92

[illegible]



STEP RATE INJECTION TEST

WELL NAME WDQSU #6
OPERATER Sirgo Oper. Inc.

DATE 11-6-92

[illegible]

▲ Recorded Wellhead Pressure

SIRGO OPERATING INC.
WDQSU#6
STEP RATE TEST

1500

1400

1300

1200

1100

1000

900

800

700

600

500

Wellhead Pressure
PSIG

8440

0

200

400

600

800

1000

1200

1400

1600

1800

2000

STEP RATE INJECTION TEST

WELL NAME WDQSU #12

OPERATER Sirgo Oper. Inc.

DATE 11-6-92

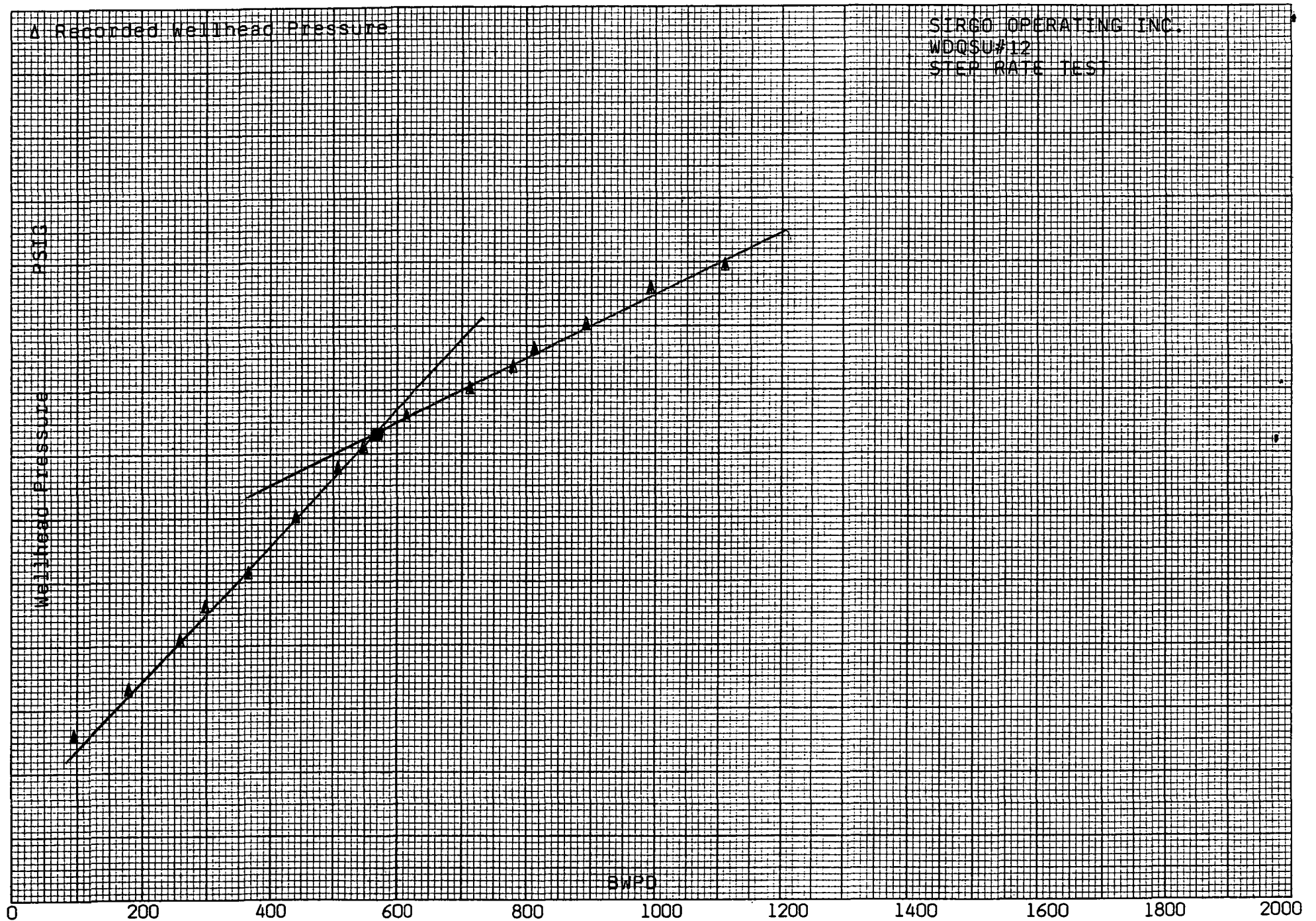
[illegible]

▲ Recorded Wellhead Pressure

SIRGO OPERATING INC.
WDQS#12
STEP RATE TEST

Wellhead Pressure

BWPD



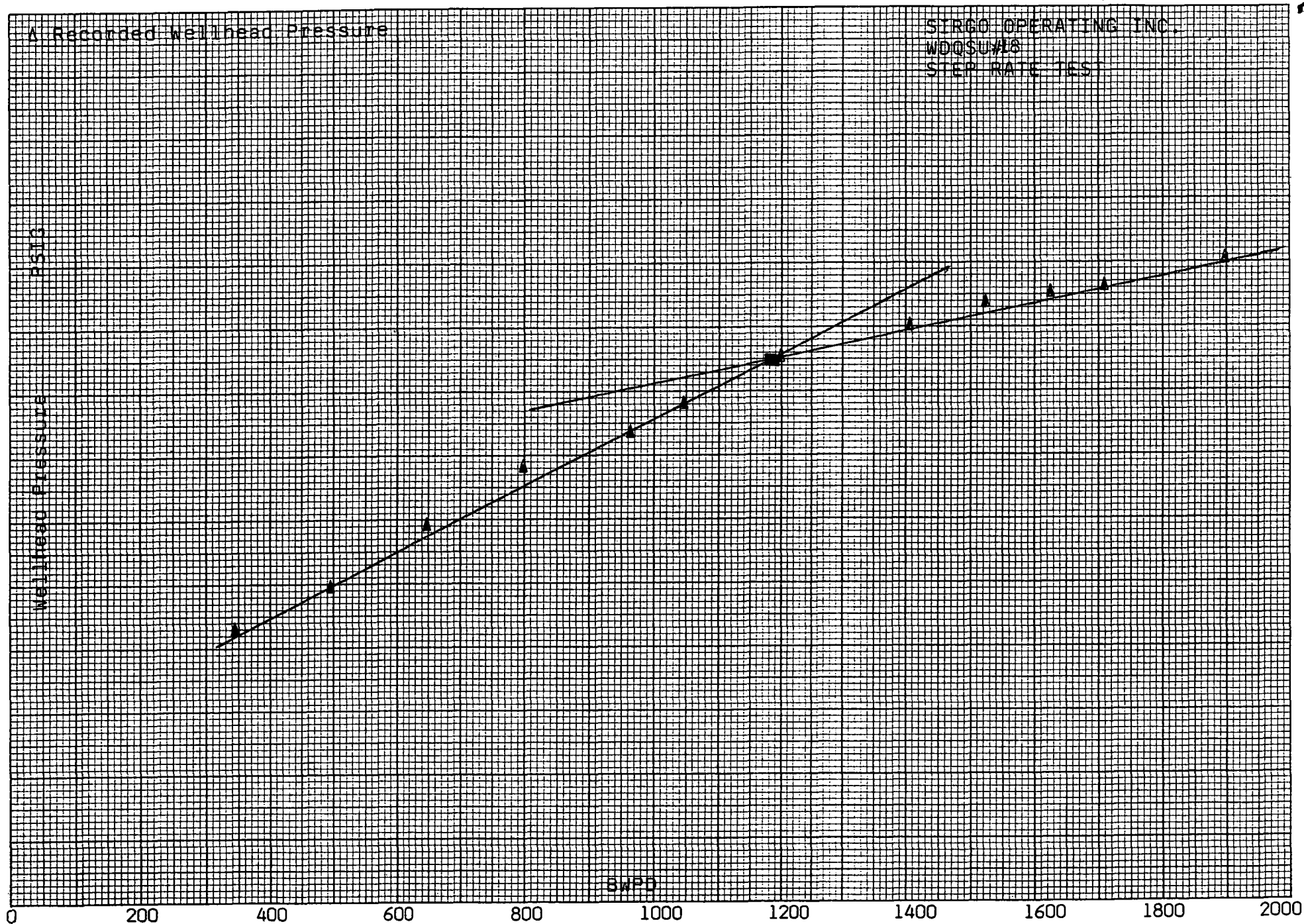
STEP RATE INJECTION TEST

WELL NAME WDQSU #18

OPERATER Sirgo Oper. Inc

DATE 11-21-92

[illegible]



STEP RATE INJECTION TEST

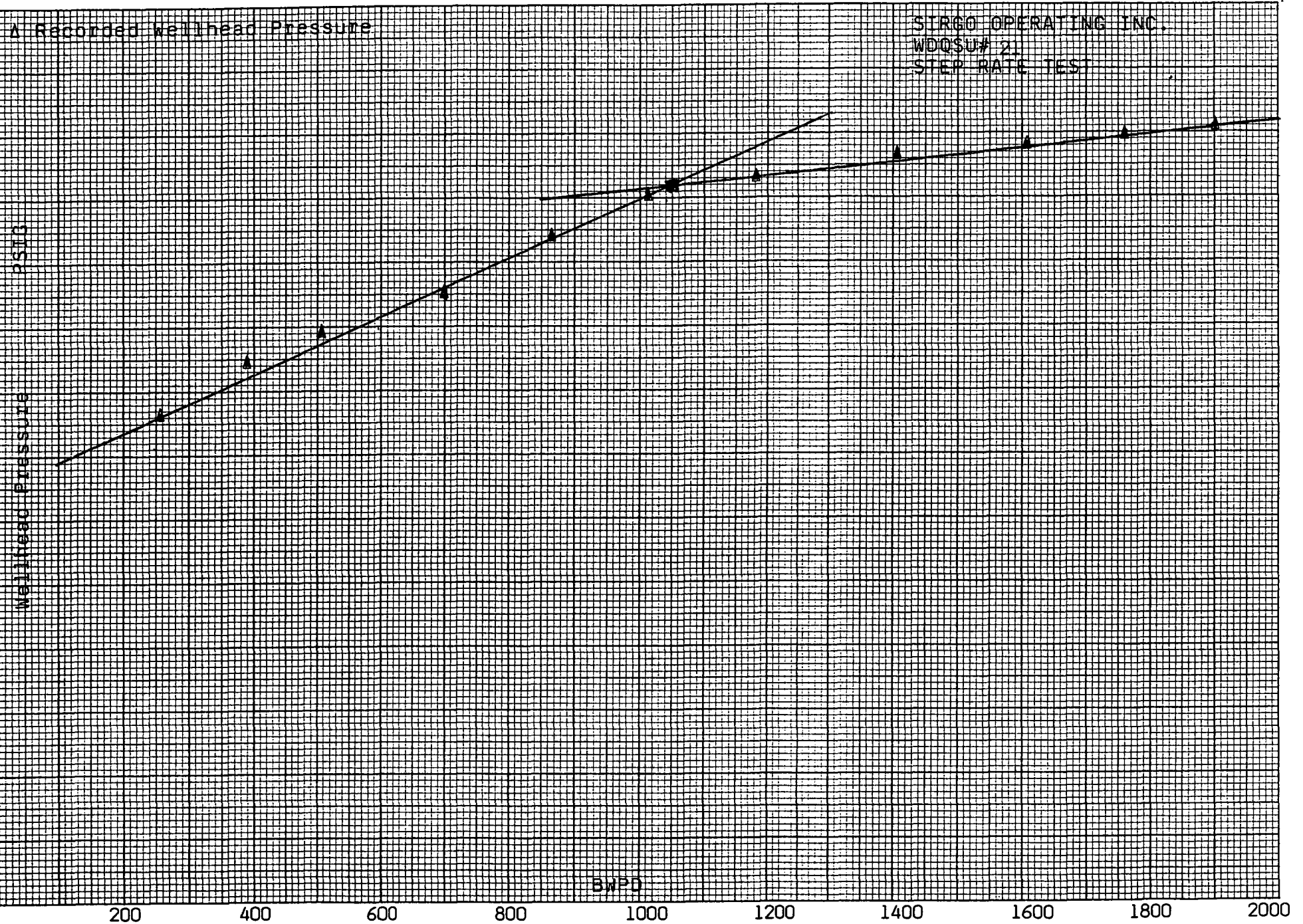
WELL NAME WDQSU#21
OPERATER

DATE 11-9-92

[illegible]

A Recorded Wellhead Pressure

SIRGO OPERATING INC.
WDO\$U# 21
STEP RATE TEST



STEP RATE INJECTION TEST.

WELL NAME WDQSU 33
OPERATER Sirgo Oper. Inc.

DATE 11-11-92

[illegible]

A Recorded Wellhead Pressure

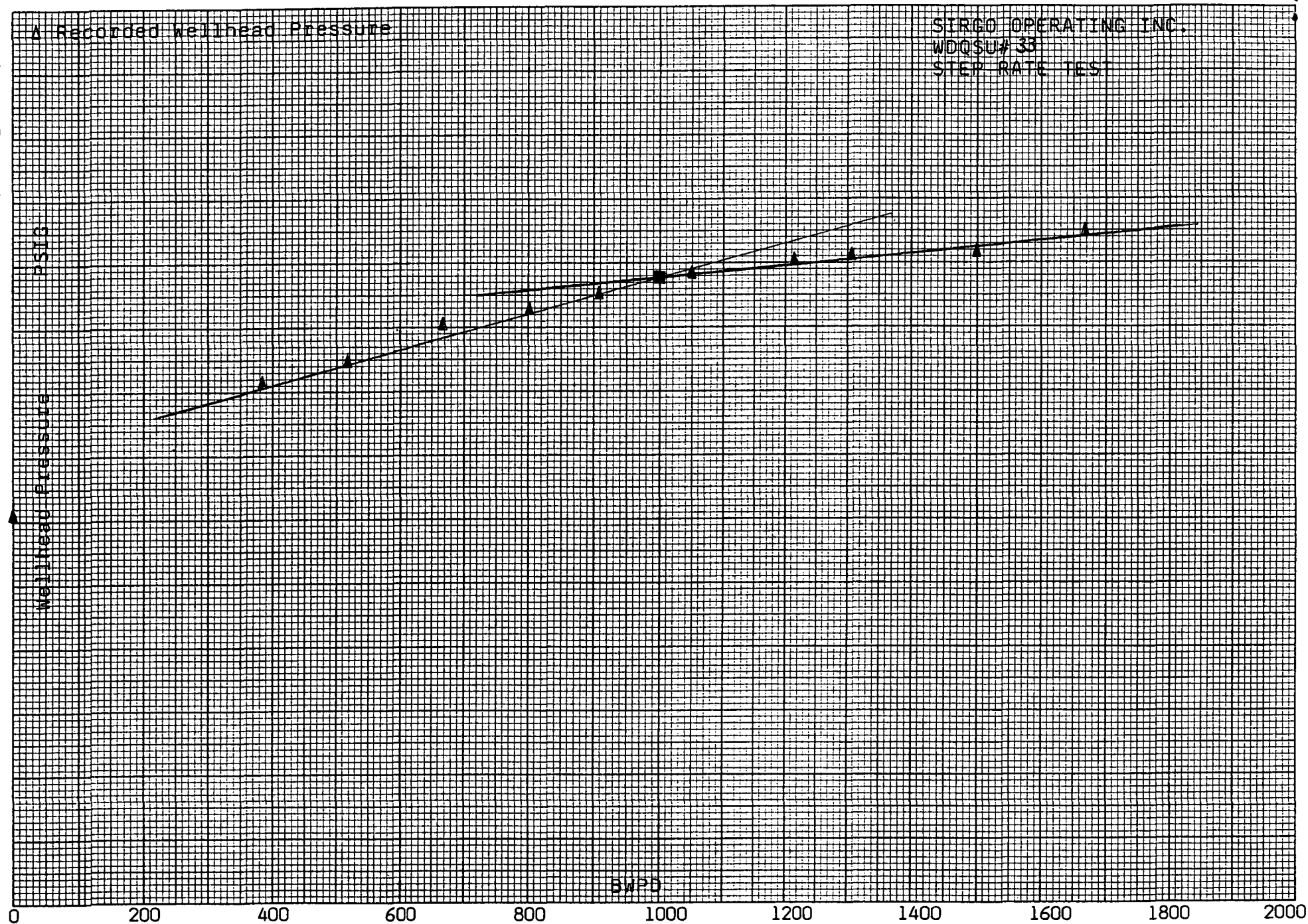
SIRCO OPERATING INC.
WDQS# 33
STEP RATE TEST

1500
1400
1300
1200
1100
1000
900
800
700
600
500

Wellhead Pressure

GPD

0 200 400 600 800 1000 1200 1400 1600 1800 2000

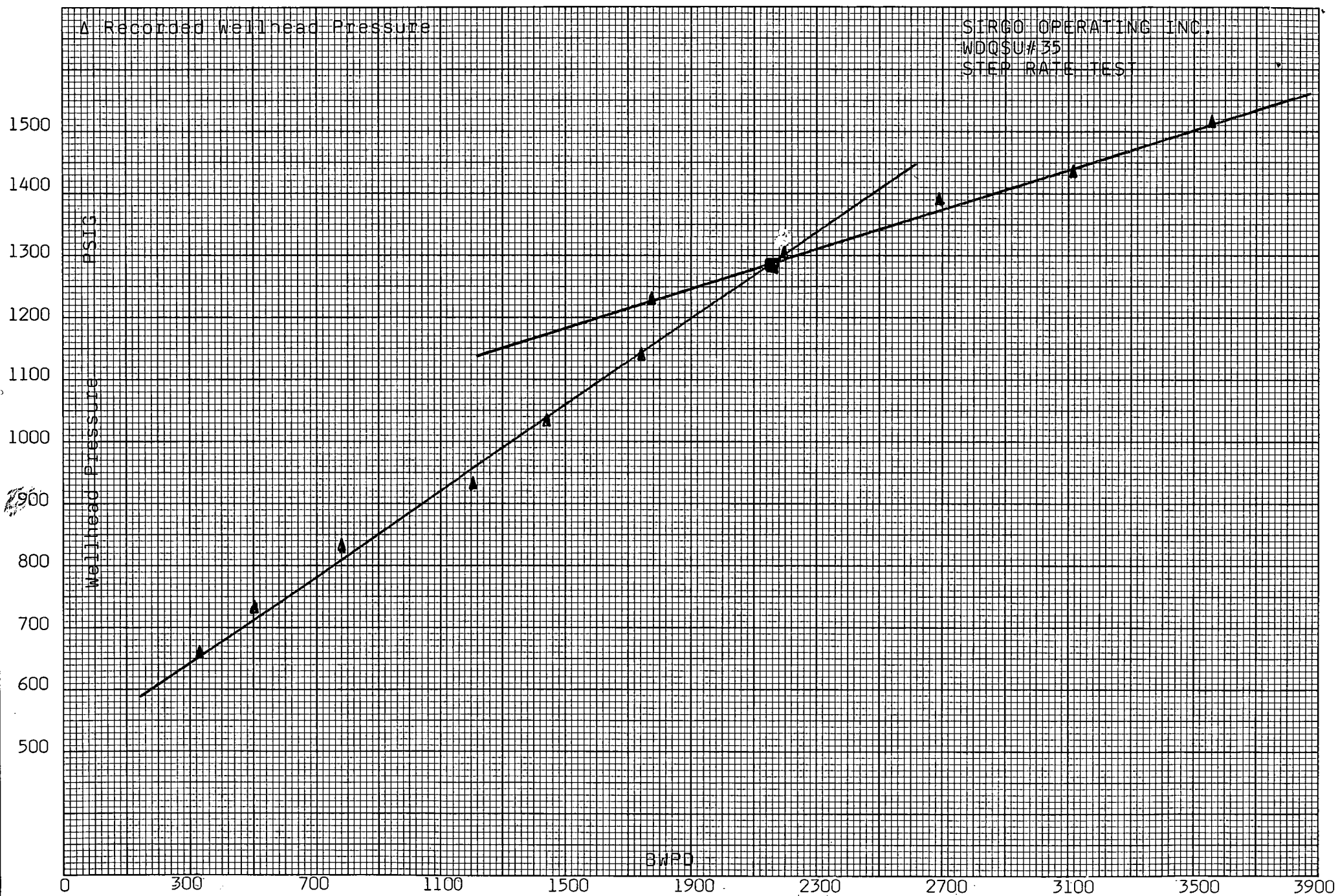


STEP RATE INJECTION TEST

WELL NAME WDQSU #35
OPERATER Sirgo Oper. Inc.

DATE 11-10-92

[illegible]

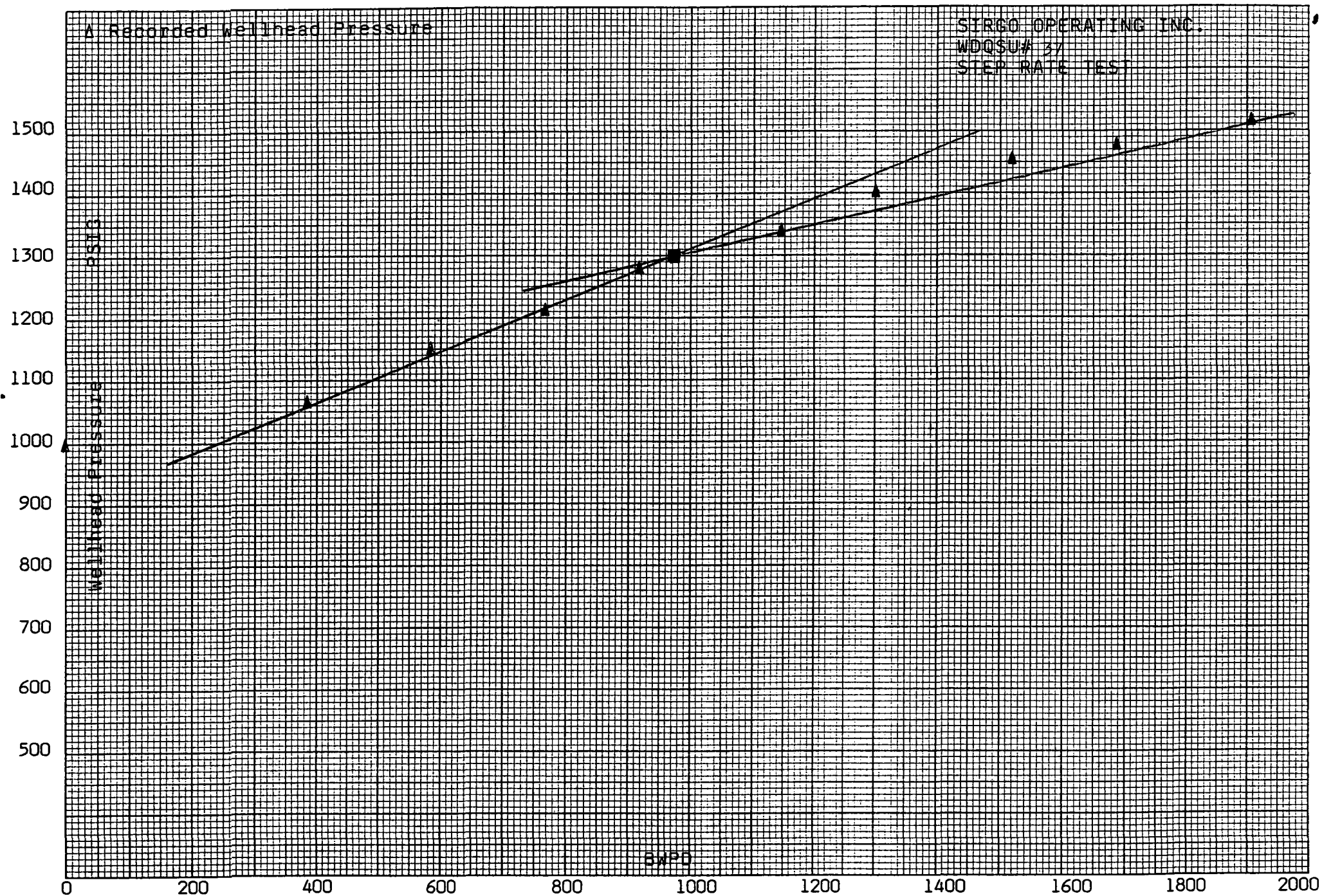


STEP RATE INJECTION TEST

WELL NAME WDQSU #37
OPERATER Sirgo Oper. Inc.

DATE 11-13-92

[illegible]



STEP RATE INJECTION TEST.

WELL NAME WDQSU #109
OPERATER Sirgo Oper. Inc.

DATE 11-17-92

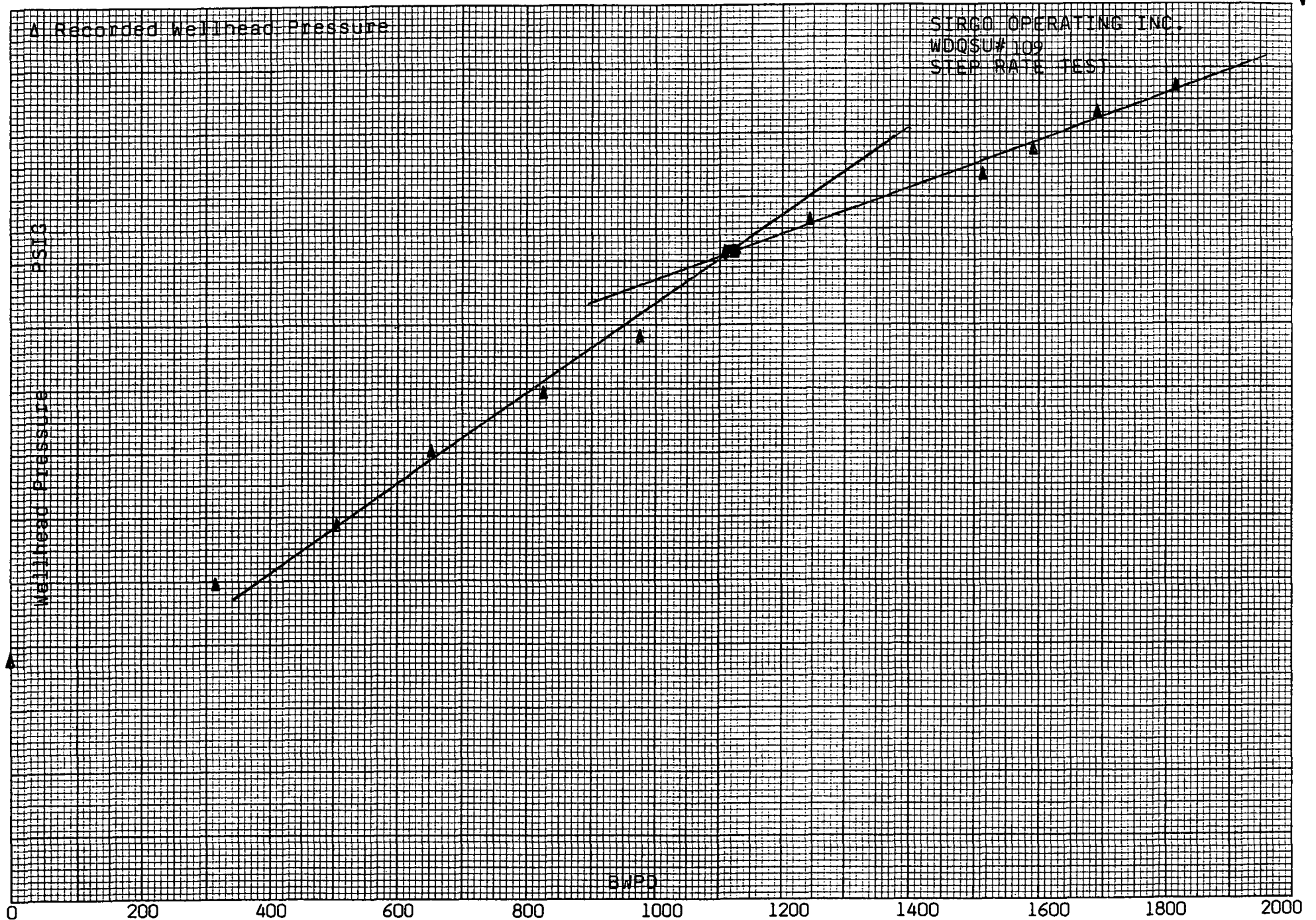
[illegible]

A Recorded Wellhead Pressure

SIRCO OPERATING INC.
WDO\$U# 109
STEP RATE TEST

Wellhead Pressure

BWPD

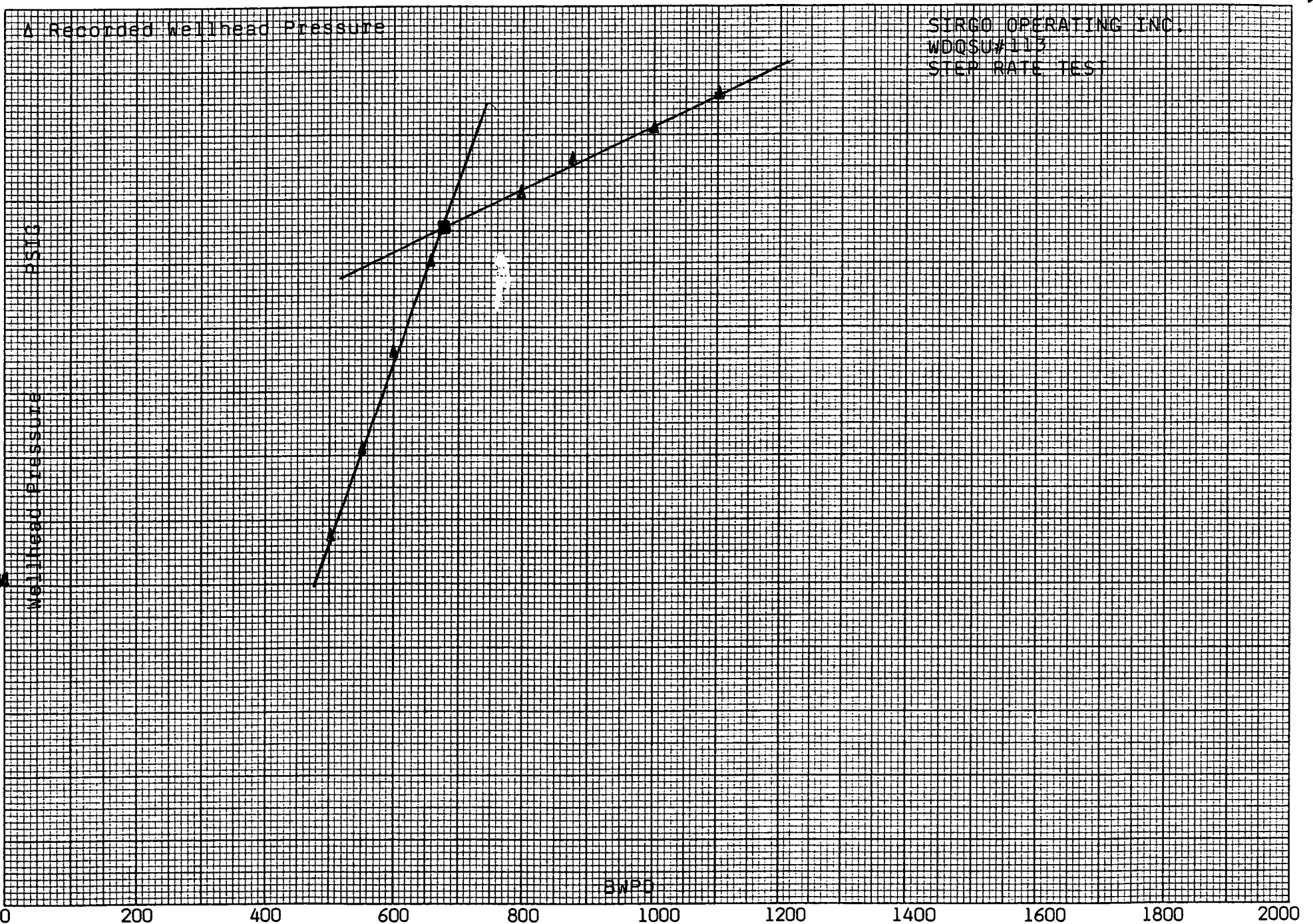


STEP RATE INJECTION TEST

WELL NAME WDQSU #1I3
OPERATER Sirgo Oper INC.

DATE 11-17-92

[illegible]



STEP RATE INJECTION TEST

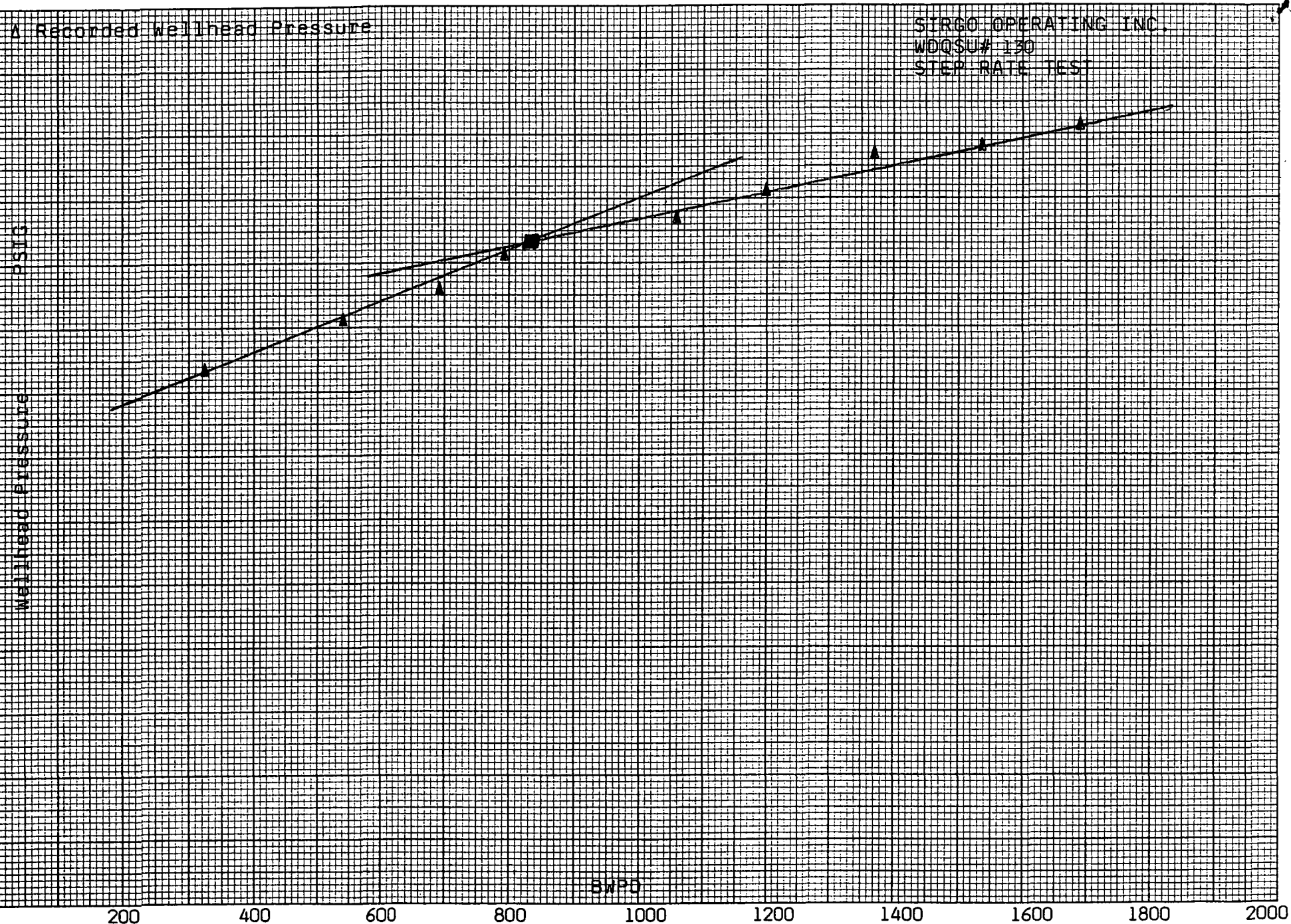
WELL NAME WDQSU #130
OPERATER Sirgo Oper. Inc.

DATE 1-19-92

[illegible]

A Recorded Wellhead Pressure

SIRGO OPERATING INC.
WQQSU# 130
STEP RATE TEST

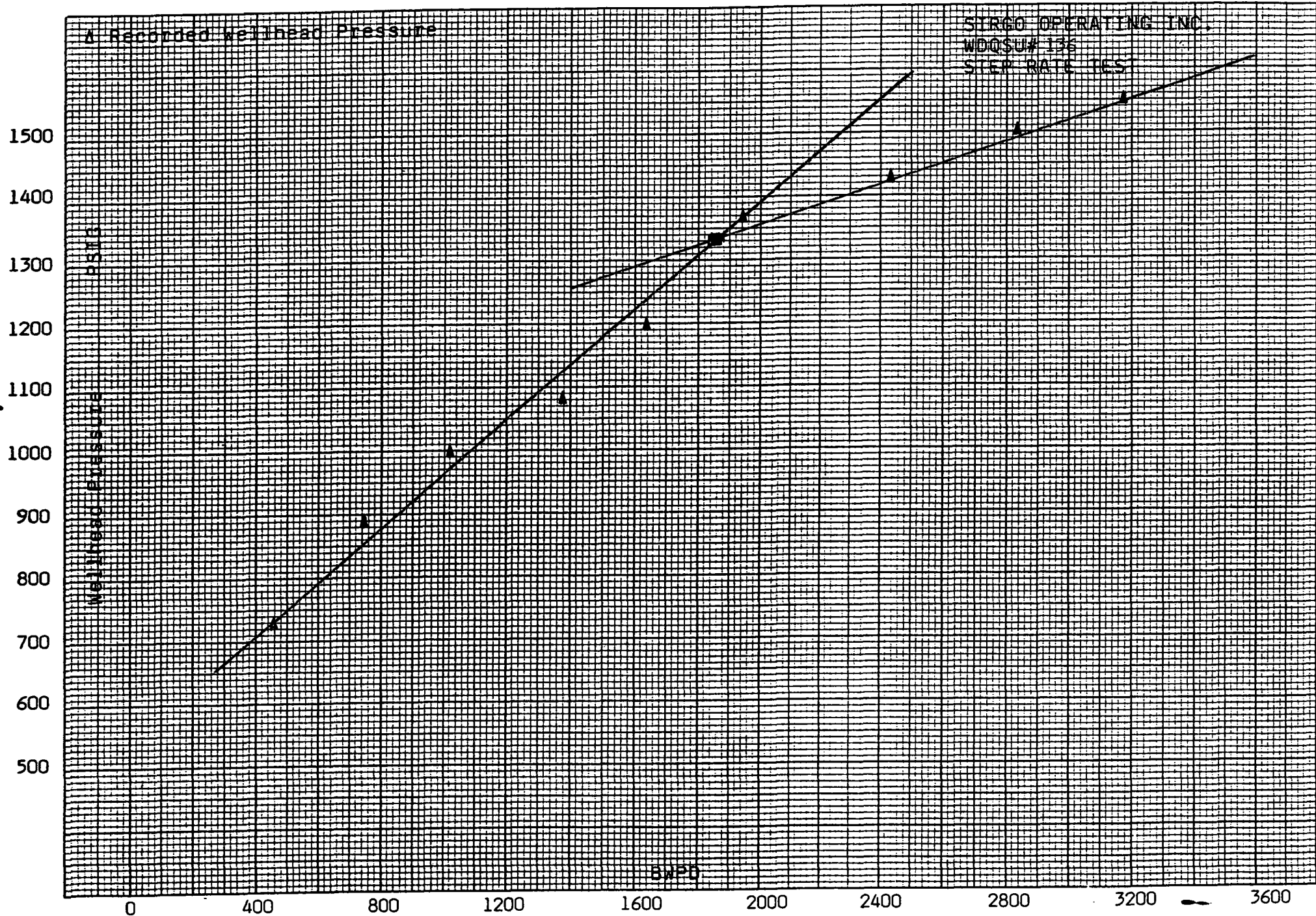


STEP RATE INJECTION TEST

WELL NAME WDQSU #136
OPERATOR Sirgo Oper Inc.

DATE 11-13-92

[illegible]

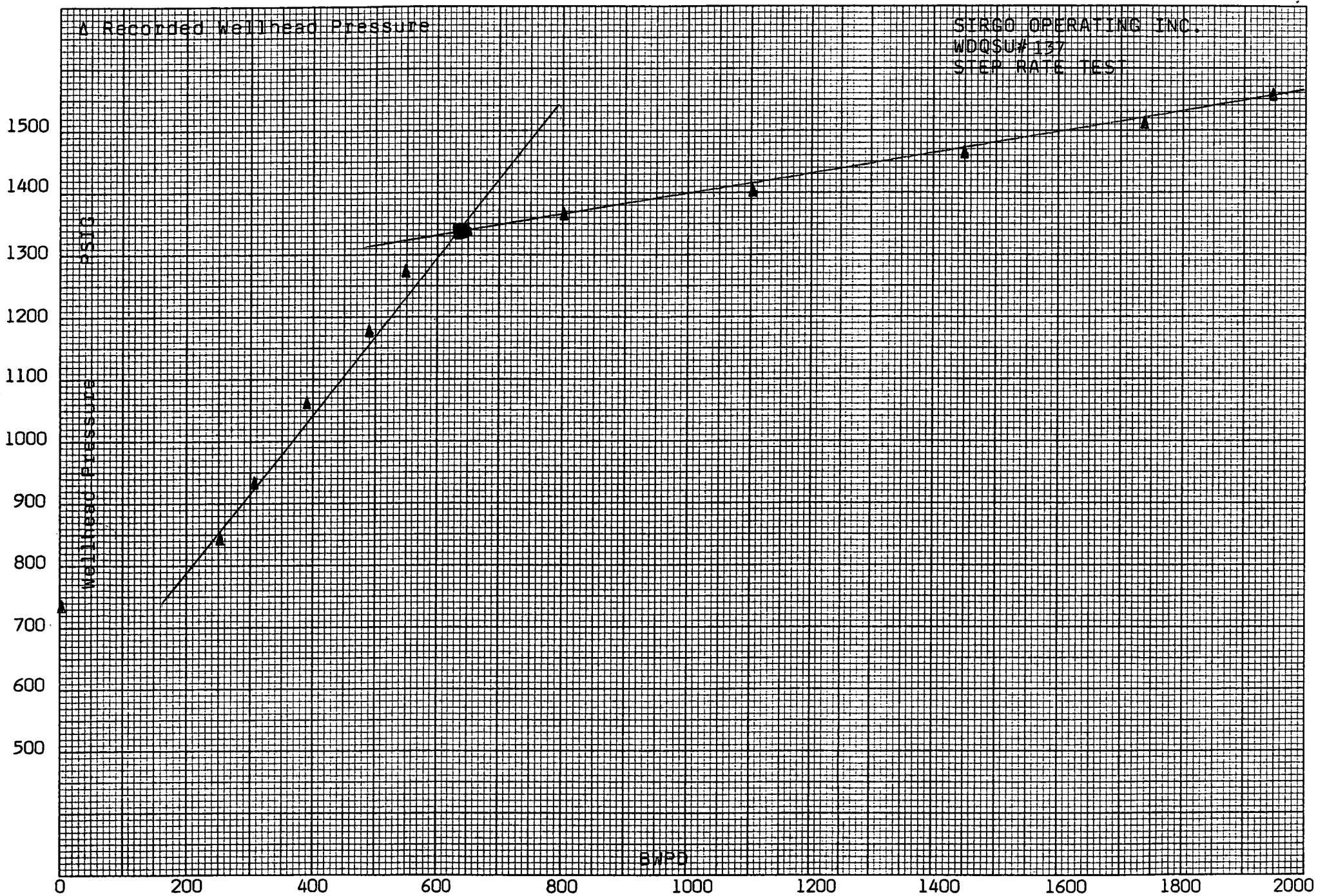


STEP RATE INJECTION TEST:

WELL NAME WDQSU #137
OPERATER Sirgo oper. Inc.

DATE 11-18-92

[illegible]

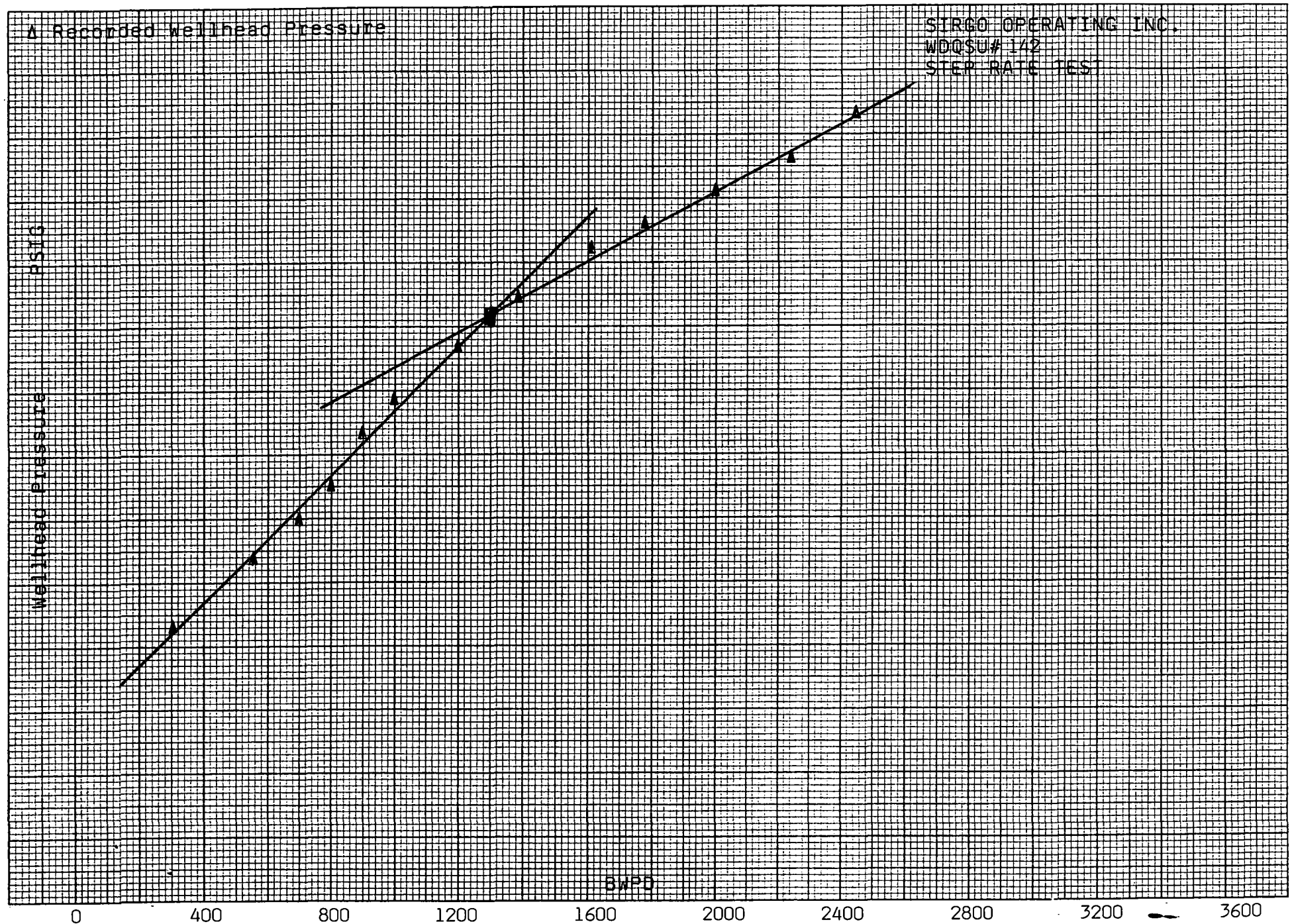


STEP RATE INJECTION TEST

WELL NAME WDQSU #142
OPERATER Sirgo Oper. Inc.

DATE 11-16-92

[illegible]

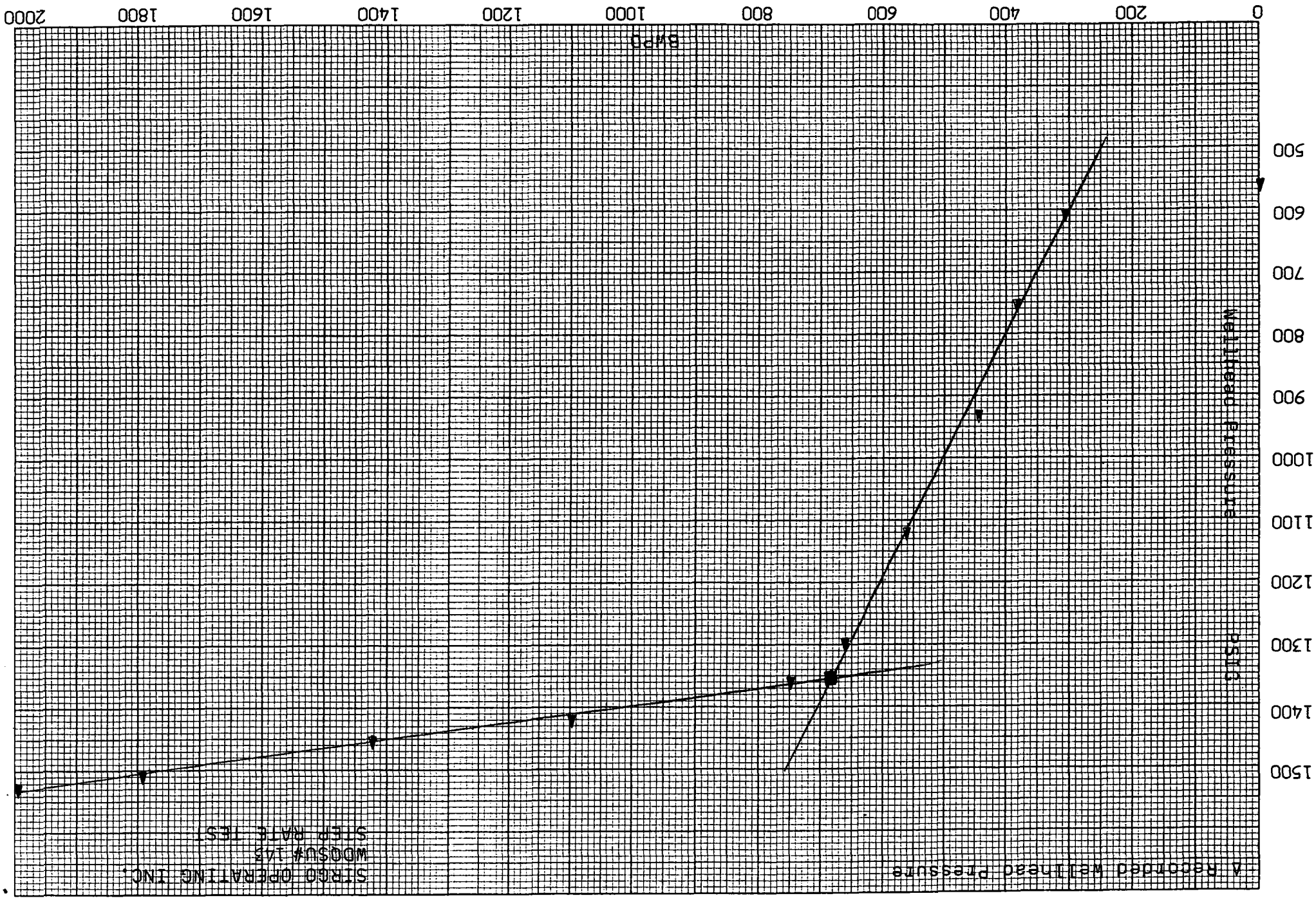


STEP RATE INJECTION TEST

WELL NAME WDQSU #143
OPERATER Sirgo Oper. Inc.

DATE 11-18-92

[illegible]



STEP RATE INJECTION TEST.

WELL NAME WDQSU #148.
OPERATER Sirgo Oper. Inc

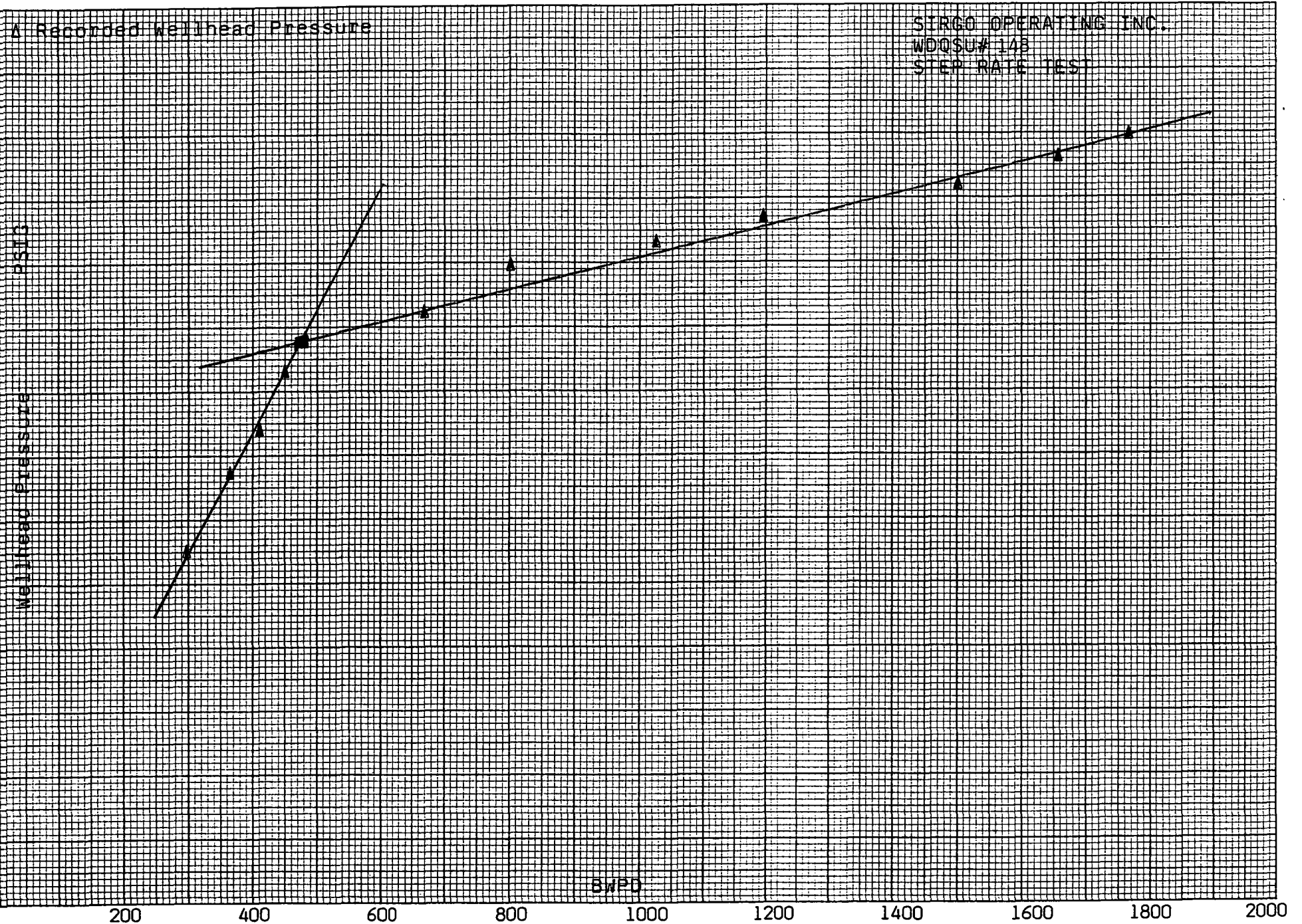
DATE 11-16-92

[illegible]



A Recorded wellhead Pressure

SIRGO OPERATING INC.
WDQS# 148
STEP RATE TEST



STEP RATE INJECTION TEST.

WELL NAME WDQSU #151
OPERATER Sirgo Oper. Inc.

DATE 11-19-92.

[illegible]

