



OIL CONSERVATION DIVISION
SEP 24 1993

Amoco Production Company

South Permian Basin
Business Unit
Houston, Texas

September 24, 1993

State of New Mexico
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504

10901

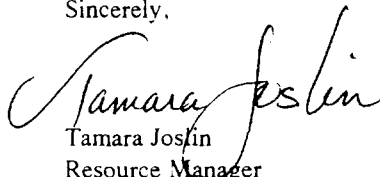
Attention: Bill Lamay

South Hobbs Unit
Grayburg Injection Above Parting Pressure Pilot
Lea County, New Mexico
File: THJ-002-510.PR040

Amoco Production Company hereby requests that the following South Hobbs Unit injection wells be exempted from the .2 psi/ft of depth injection pressure guideline: South Hobbs Unit wells No. 8, 10, 25, 26, 113, 114. We would like to attempt to increase reservoir sweep in the far west side Grayburg wells by increasing the injection pressure over parting pressure up to a maximum of 1100 psi (current line limit). We will monitor this pilot carefully using the recently approved Hearn/Hall plotting technique to ensure that we control the fracture created. Enclosed are a sketch of the South Hobbs Unit wells involved and sample Hall plots for the Grayburg injectors.

We would appreciate your approval as promptly as possible. Please call Terry Caldwell at (713) 584-7286 with any questions.

Sincerely,


Tamara Joslin
Resource Manager

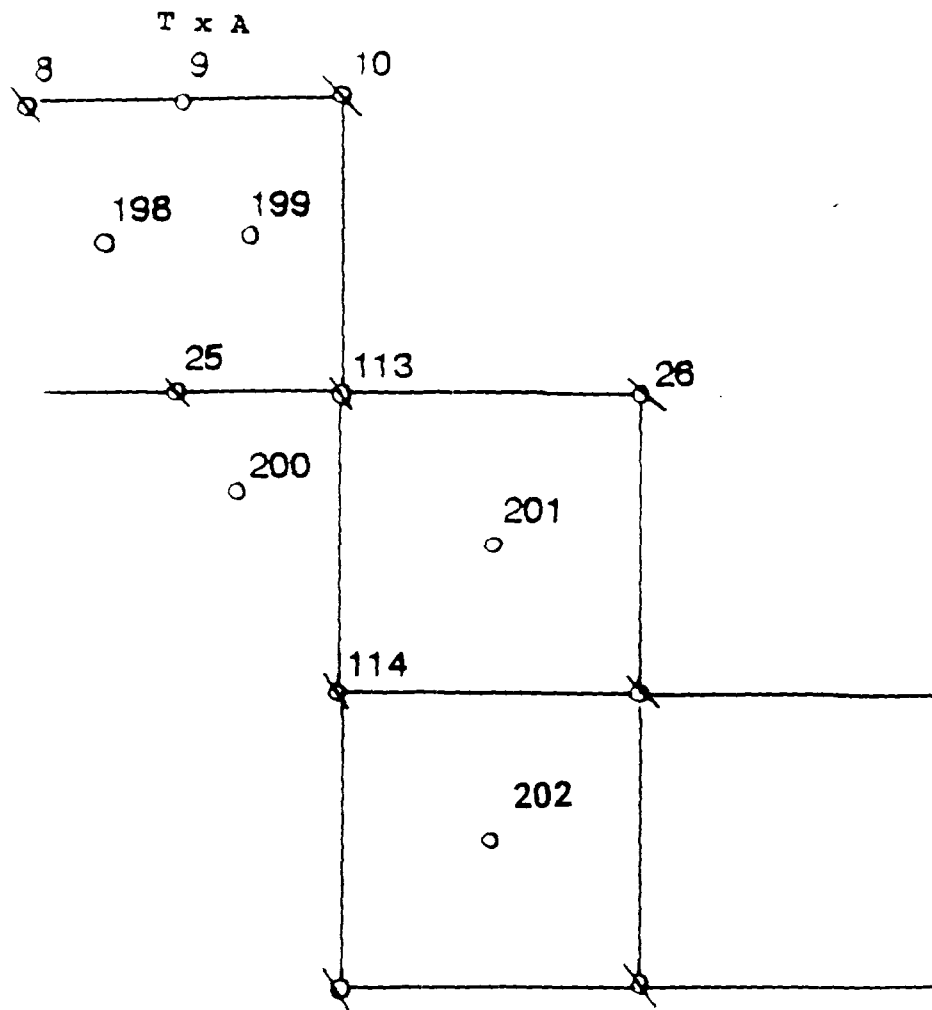
Hobbs Resource Development Group

THJ/tac
Attachments



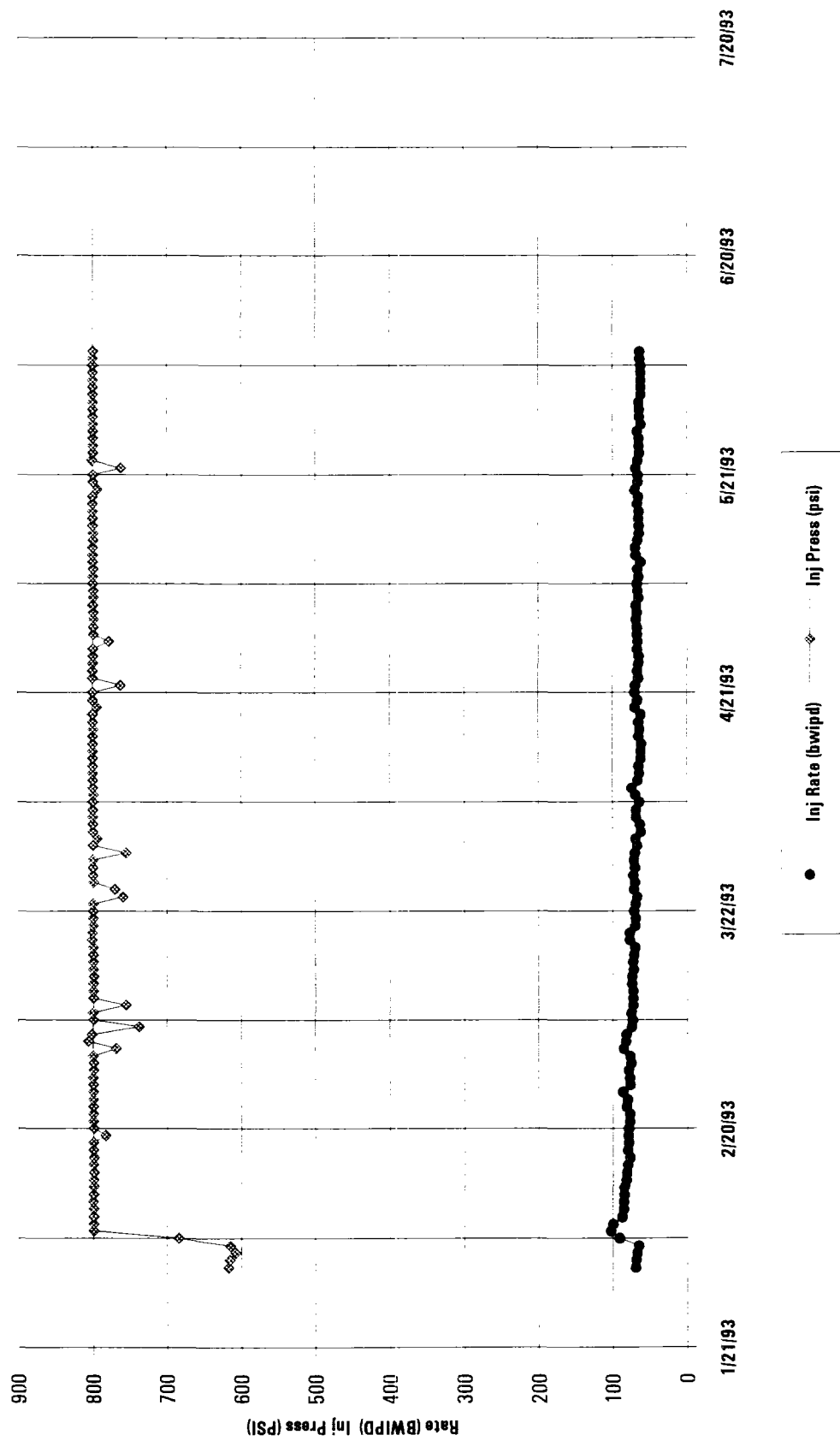
GRAYBURG IAPP PILOT

6

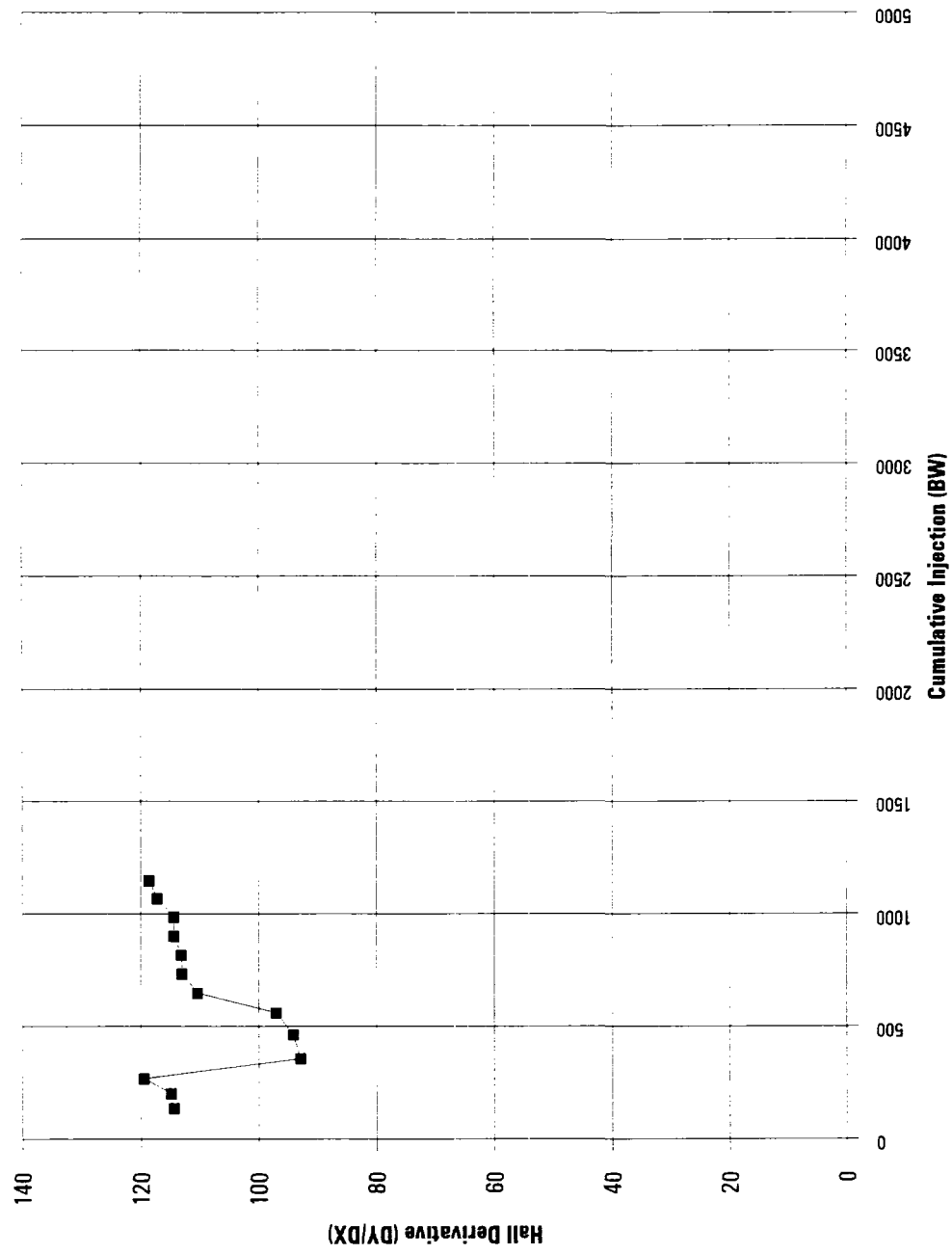


* All wells located within Section 6, Township 19 S, Range 38 E

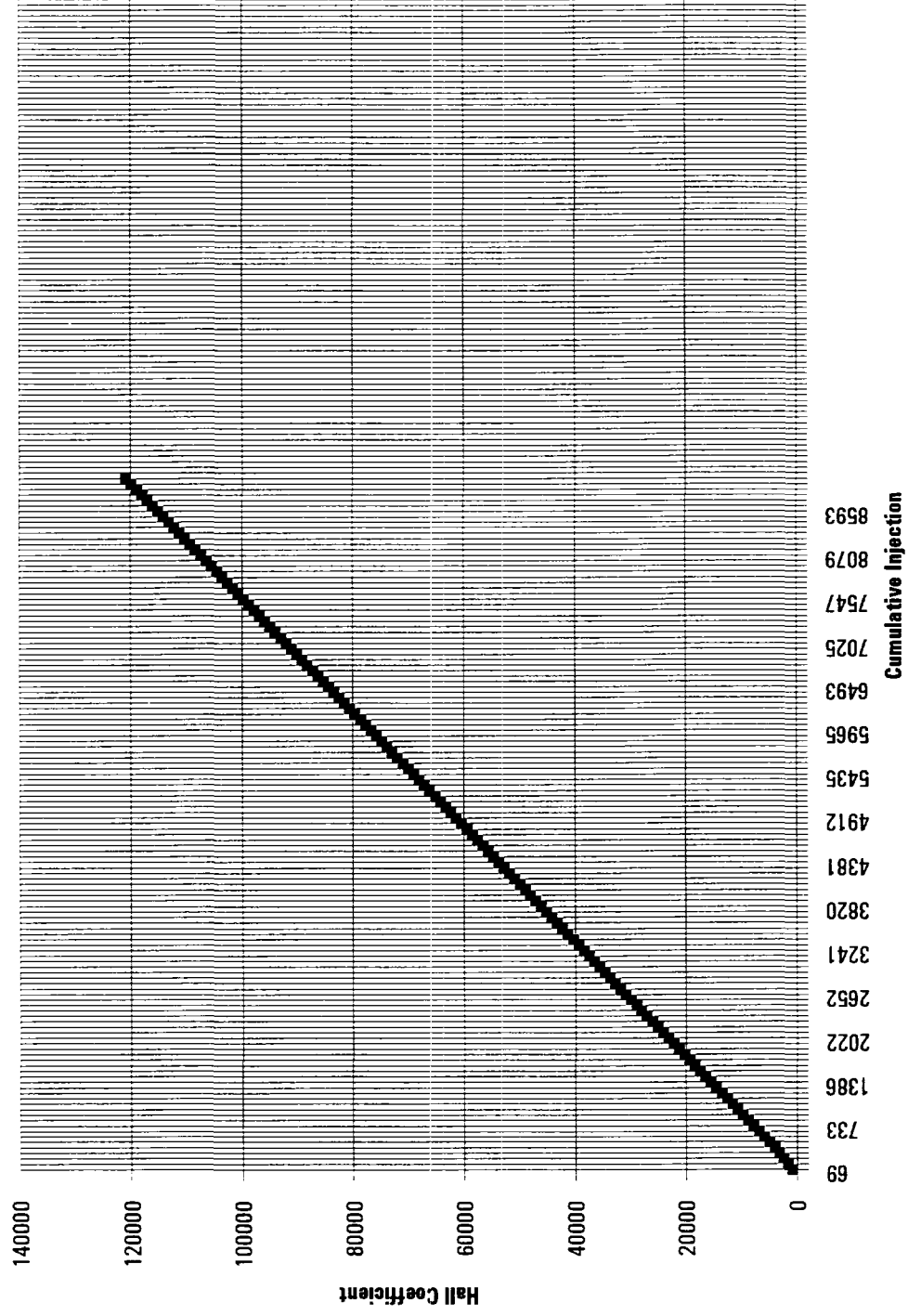
#8 Rate & Pressure Plot



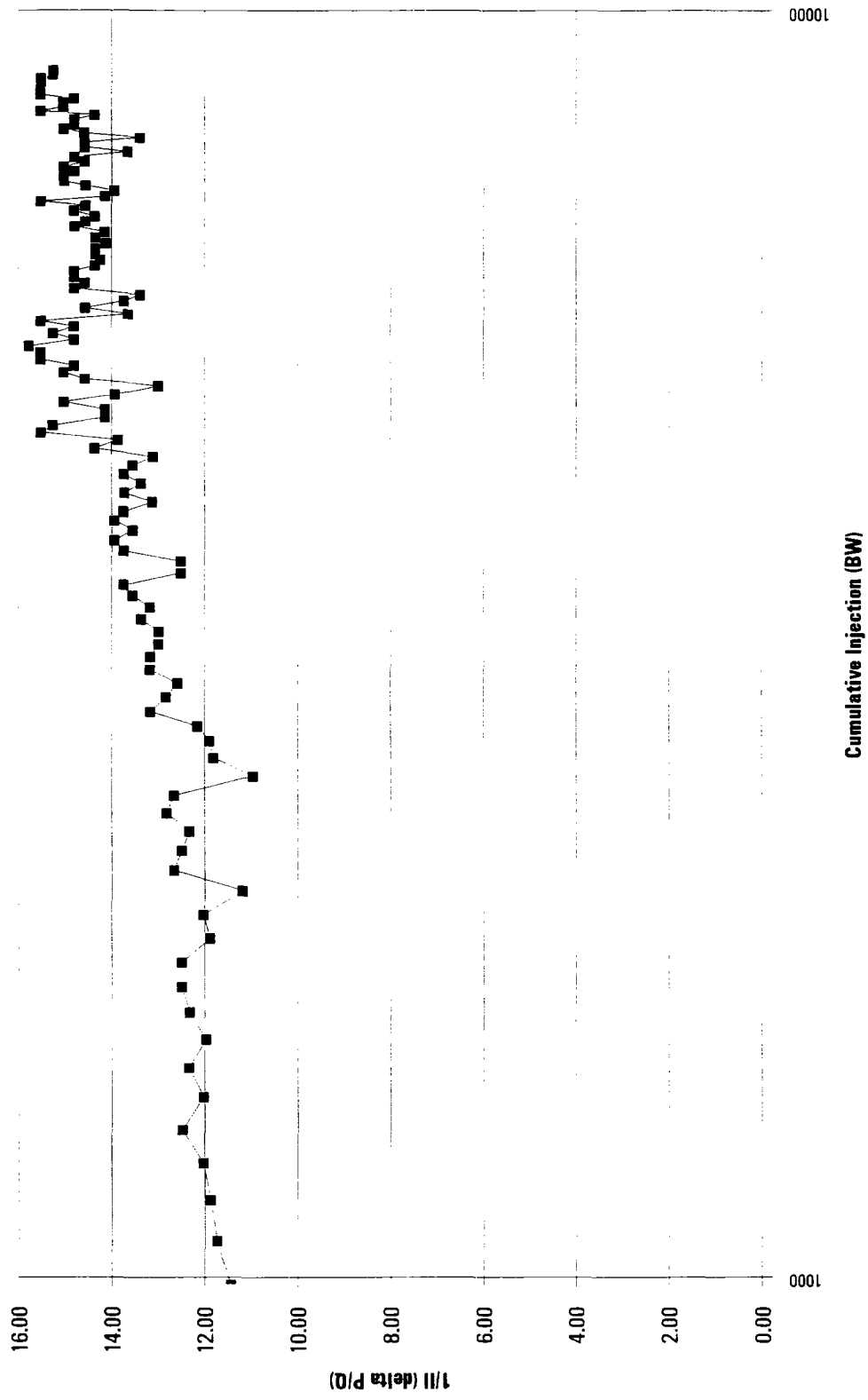
#8 Hall Derivative Plot



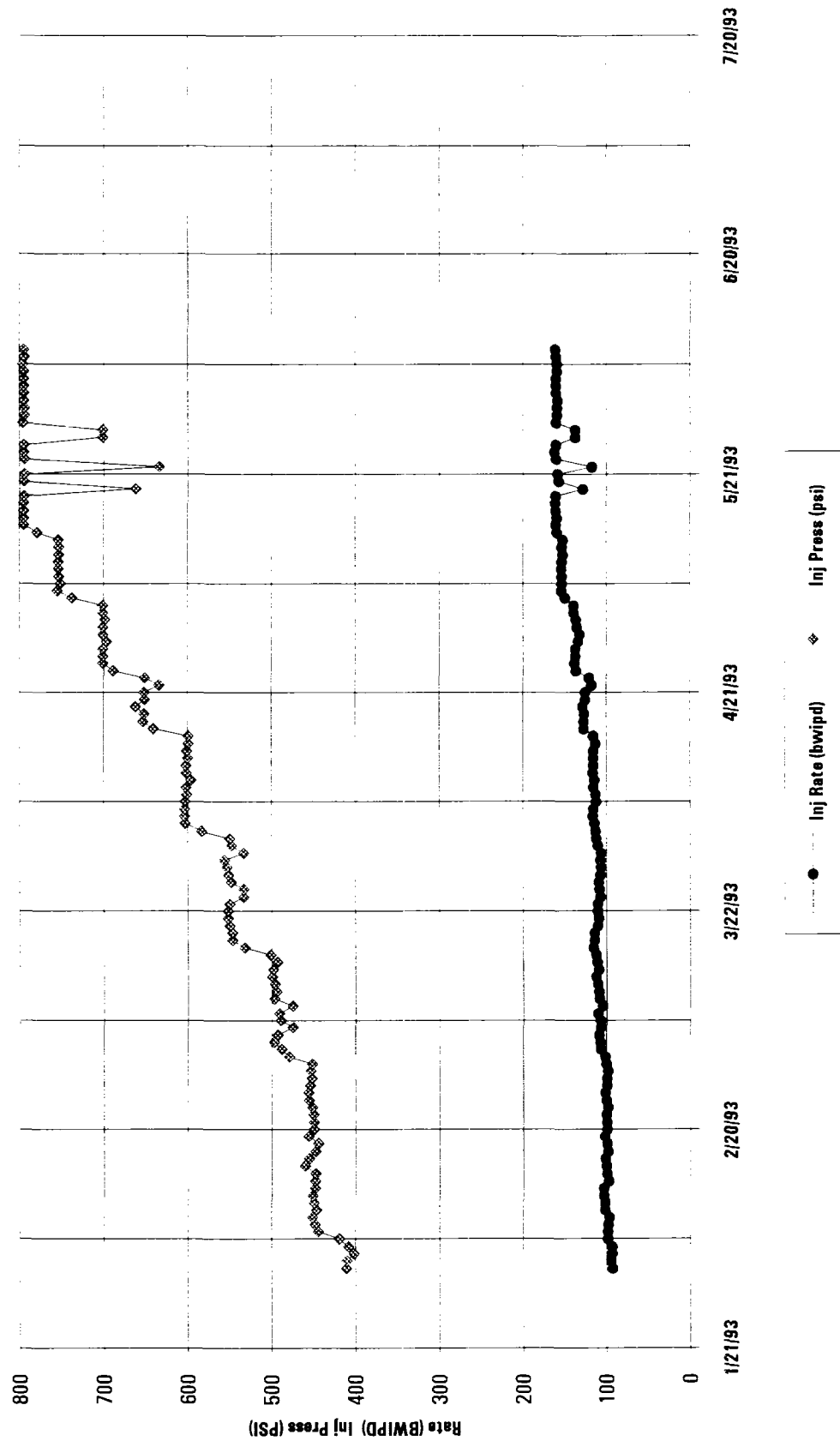
#8 Hall Coefficient Plot



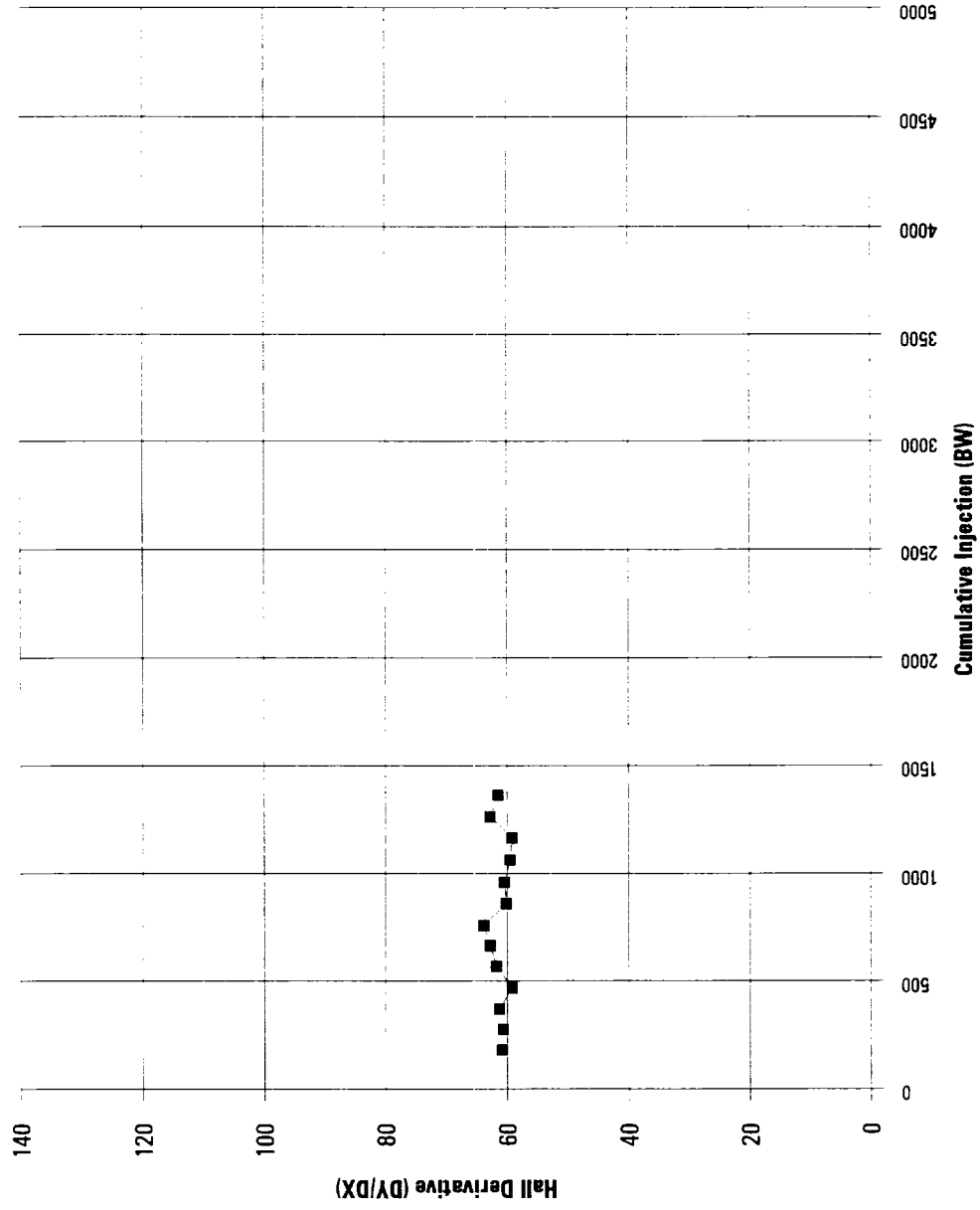
#8 Inverse II Plot



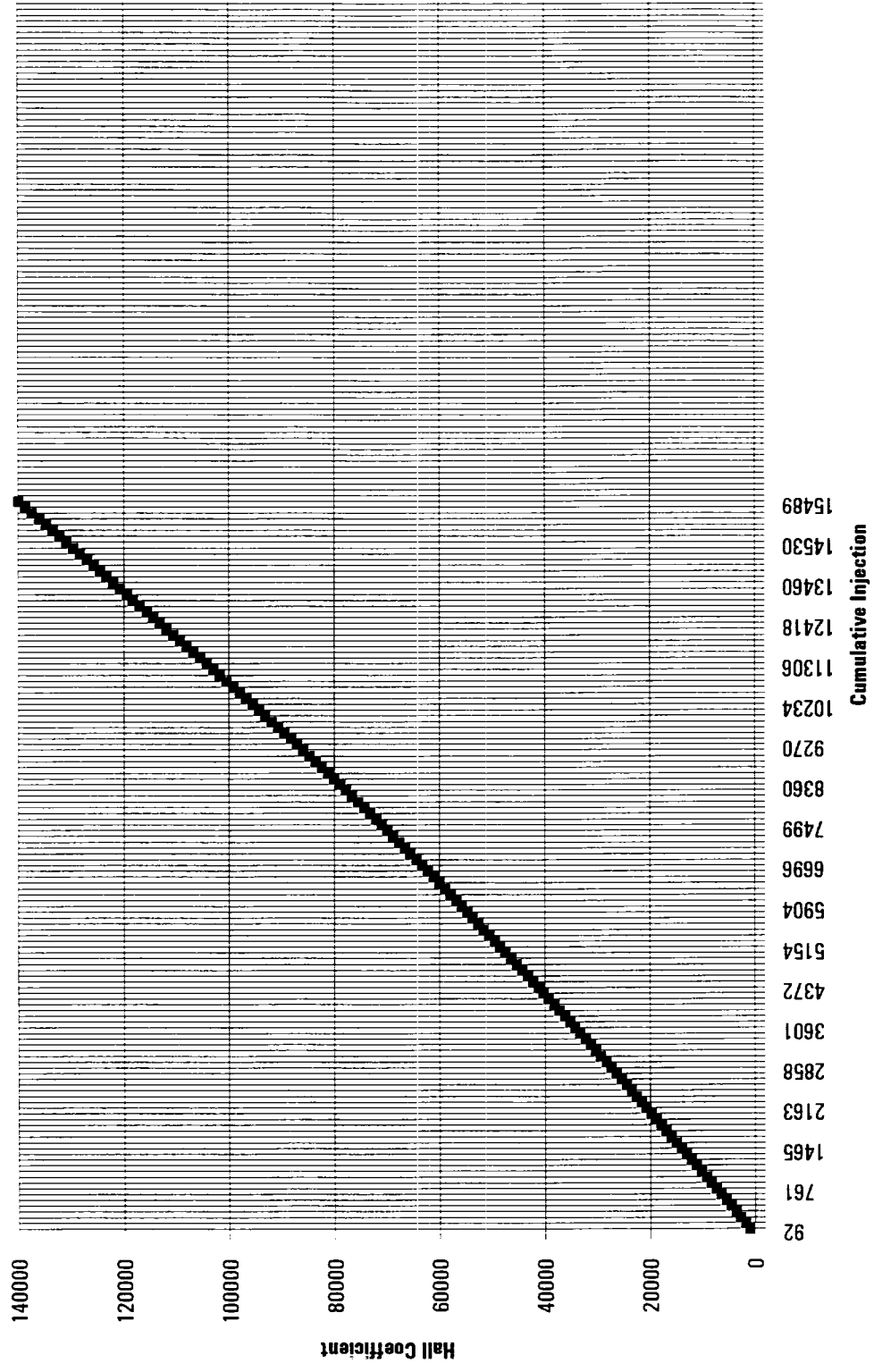
#10 Rate & Pressure Plot



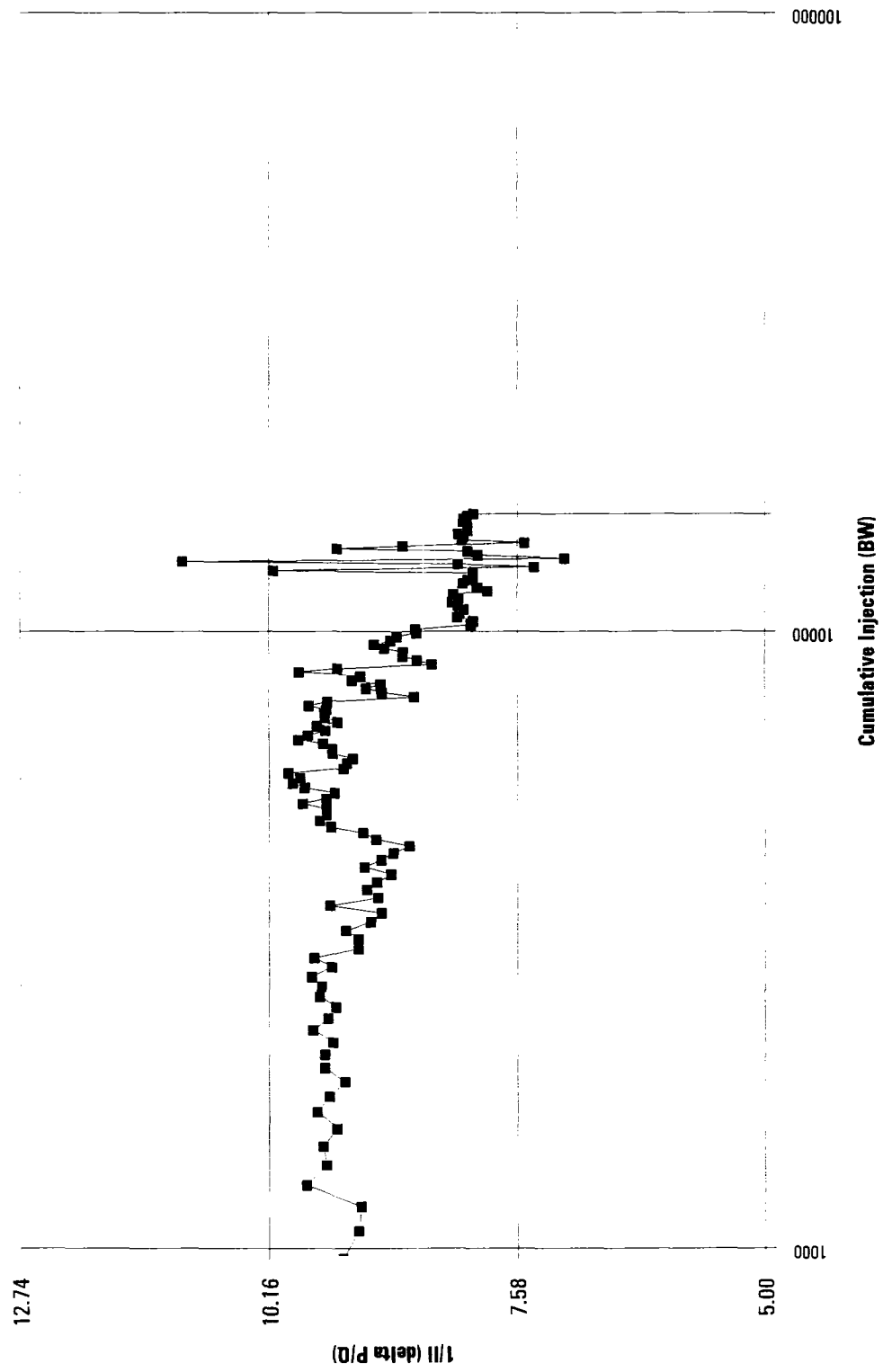
#10 Hall Derivative Plot



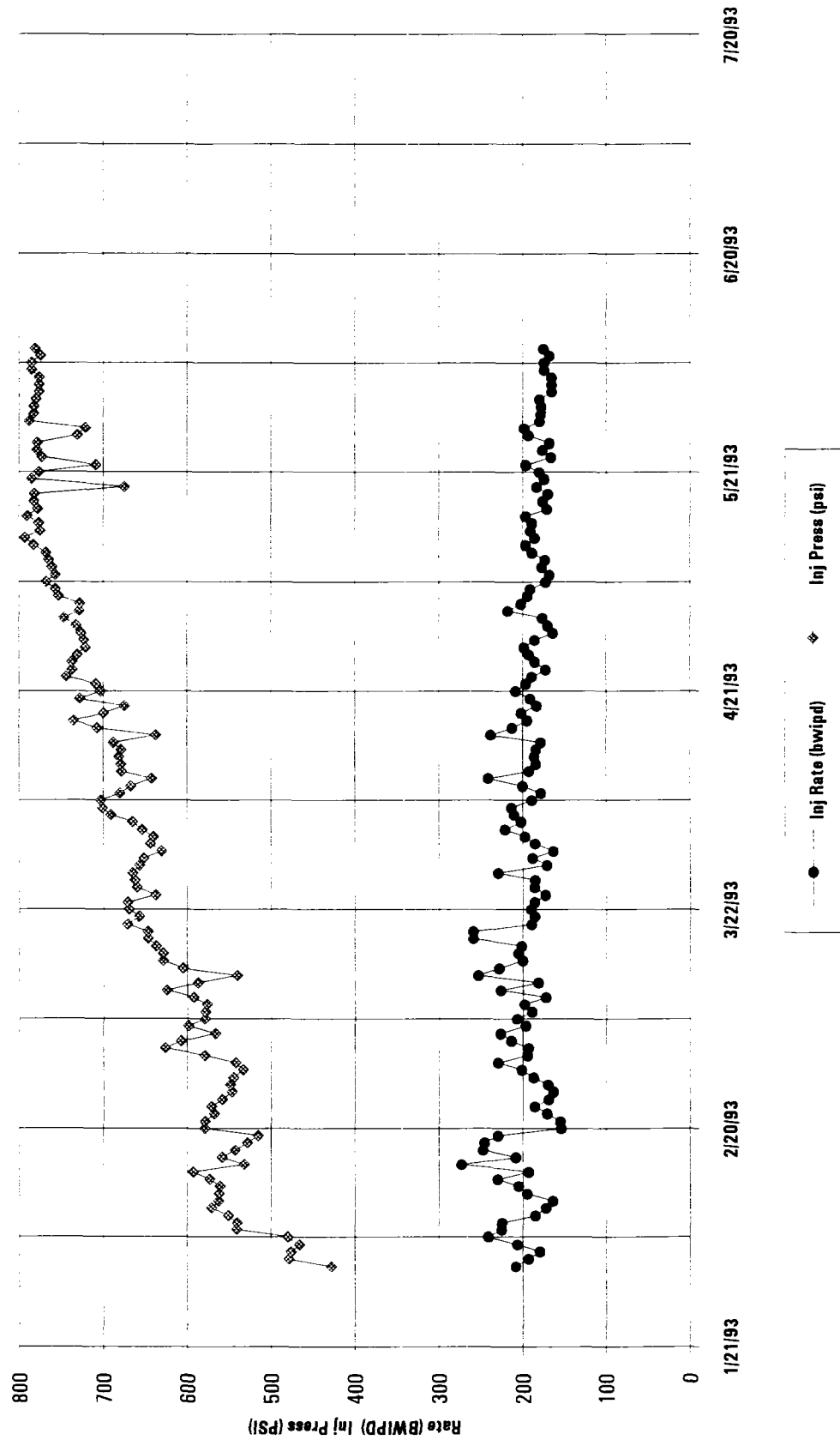
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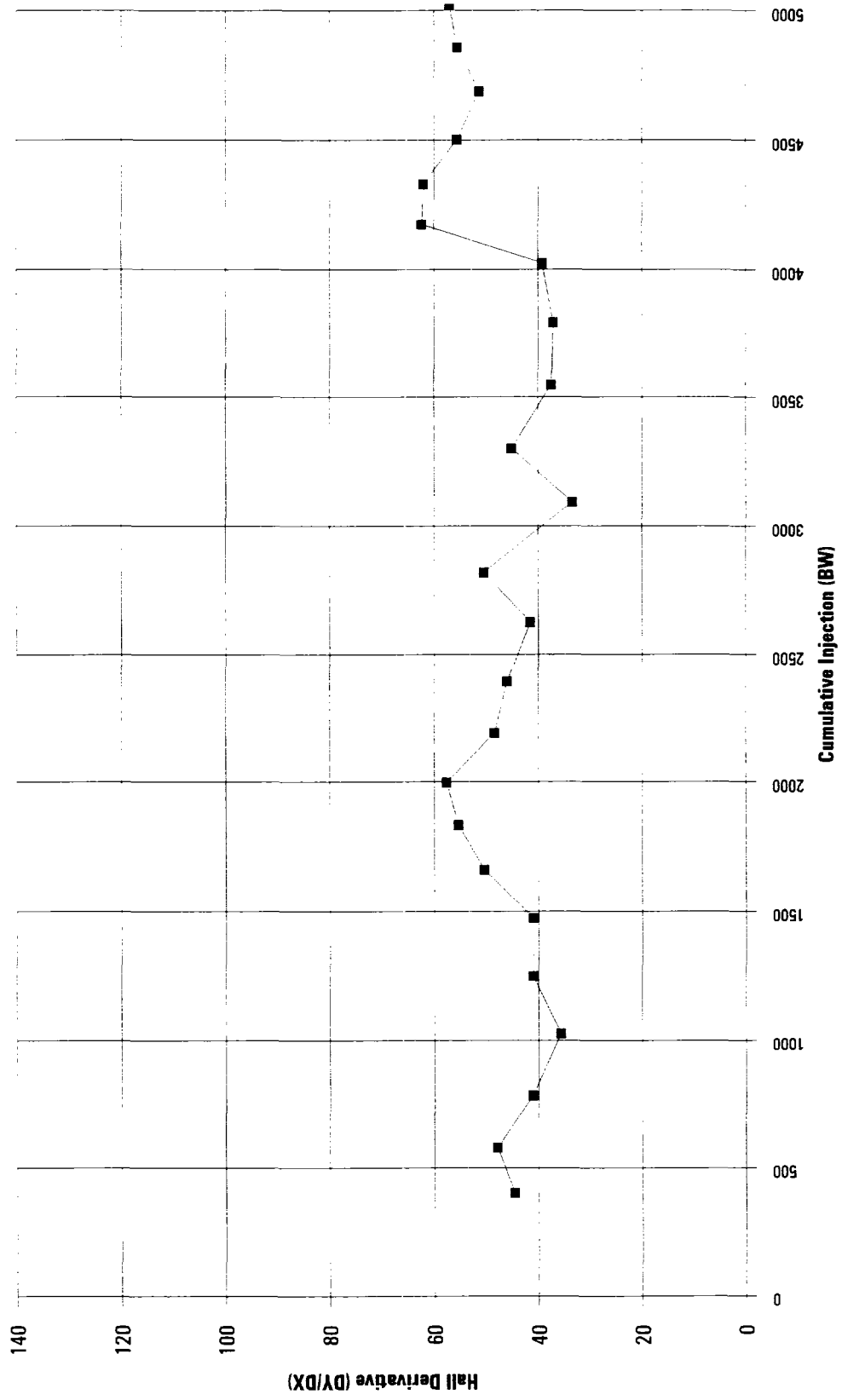
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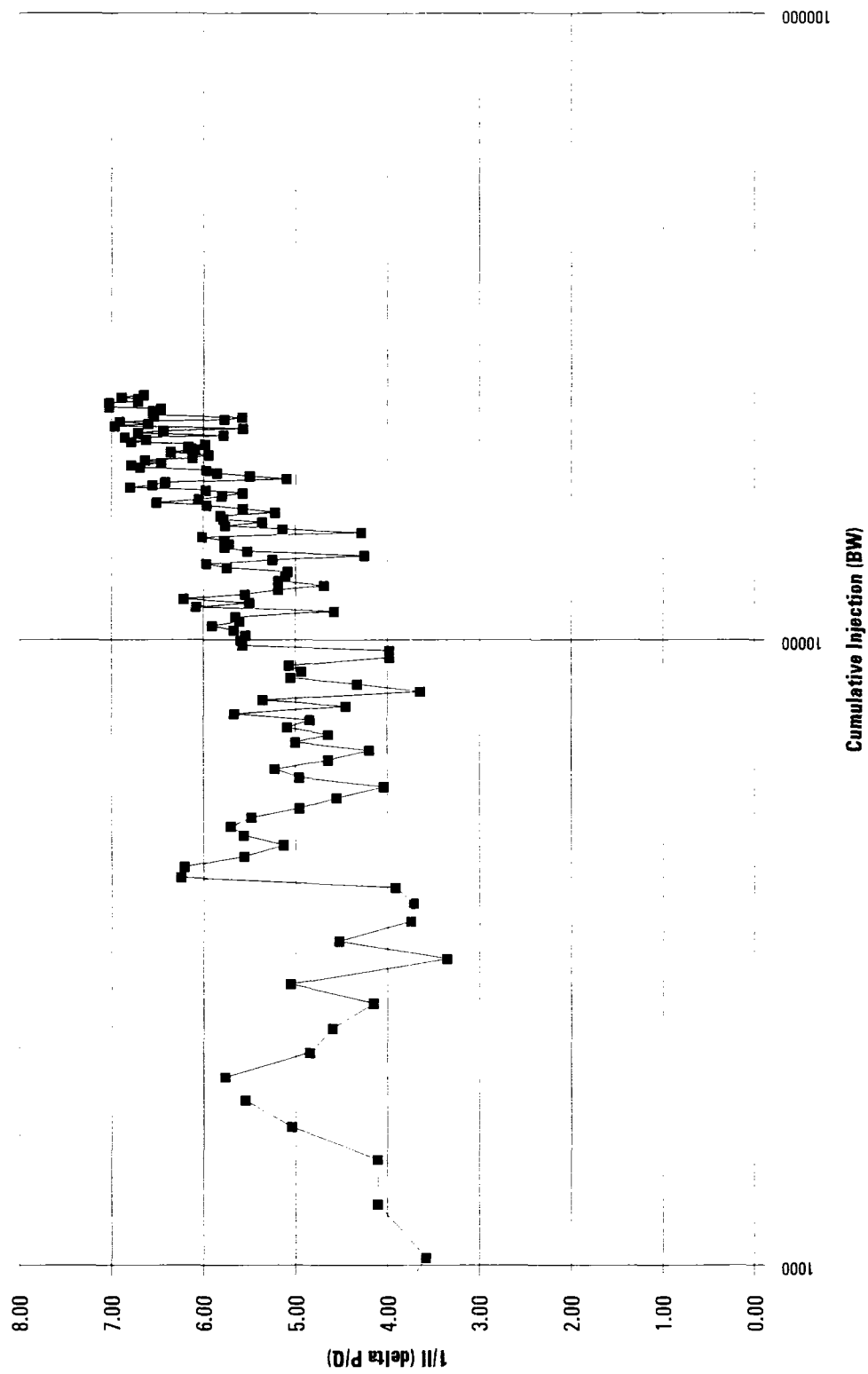
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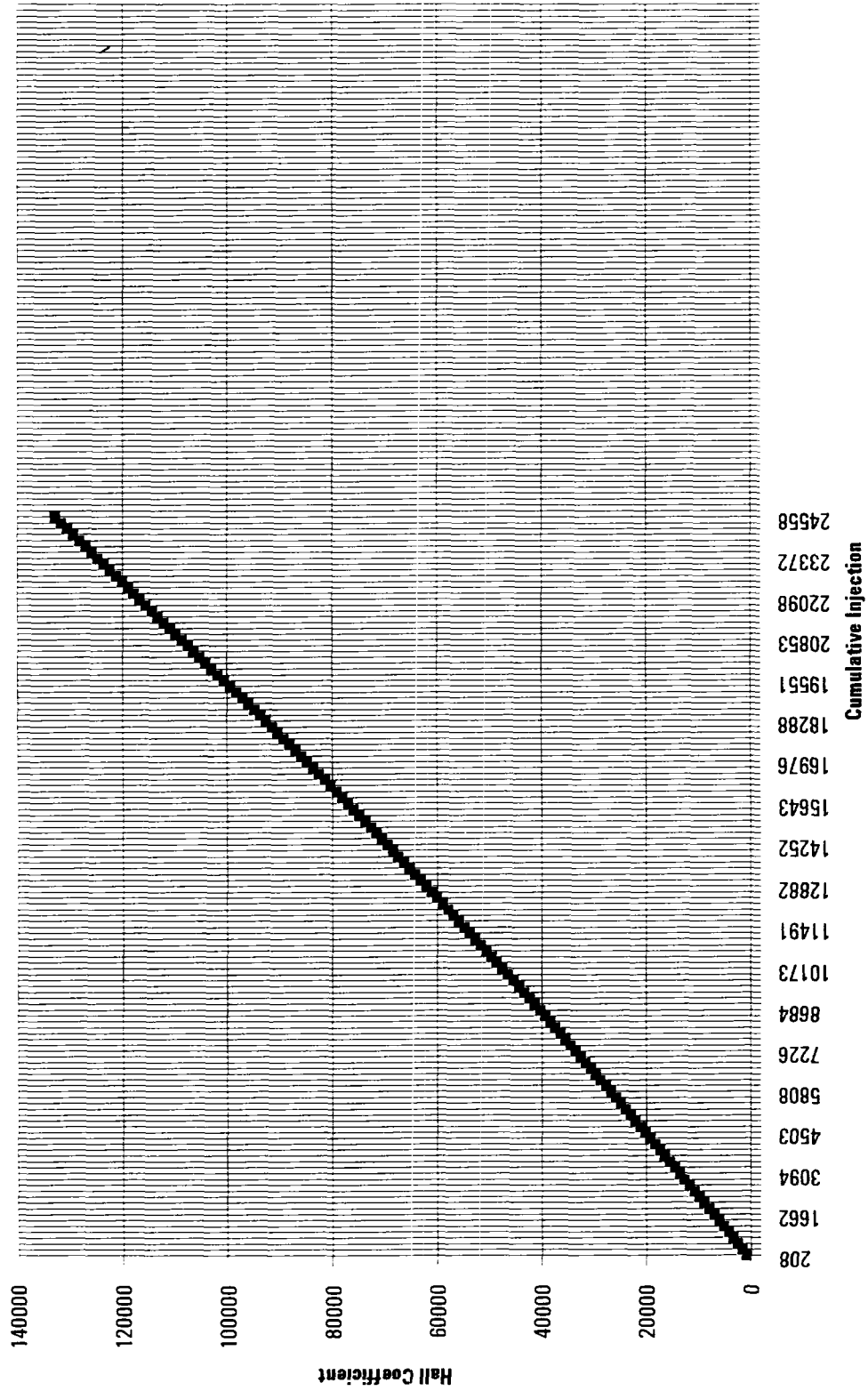
#25 Hall Derivative Plot



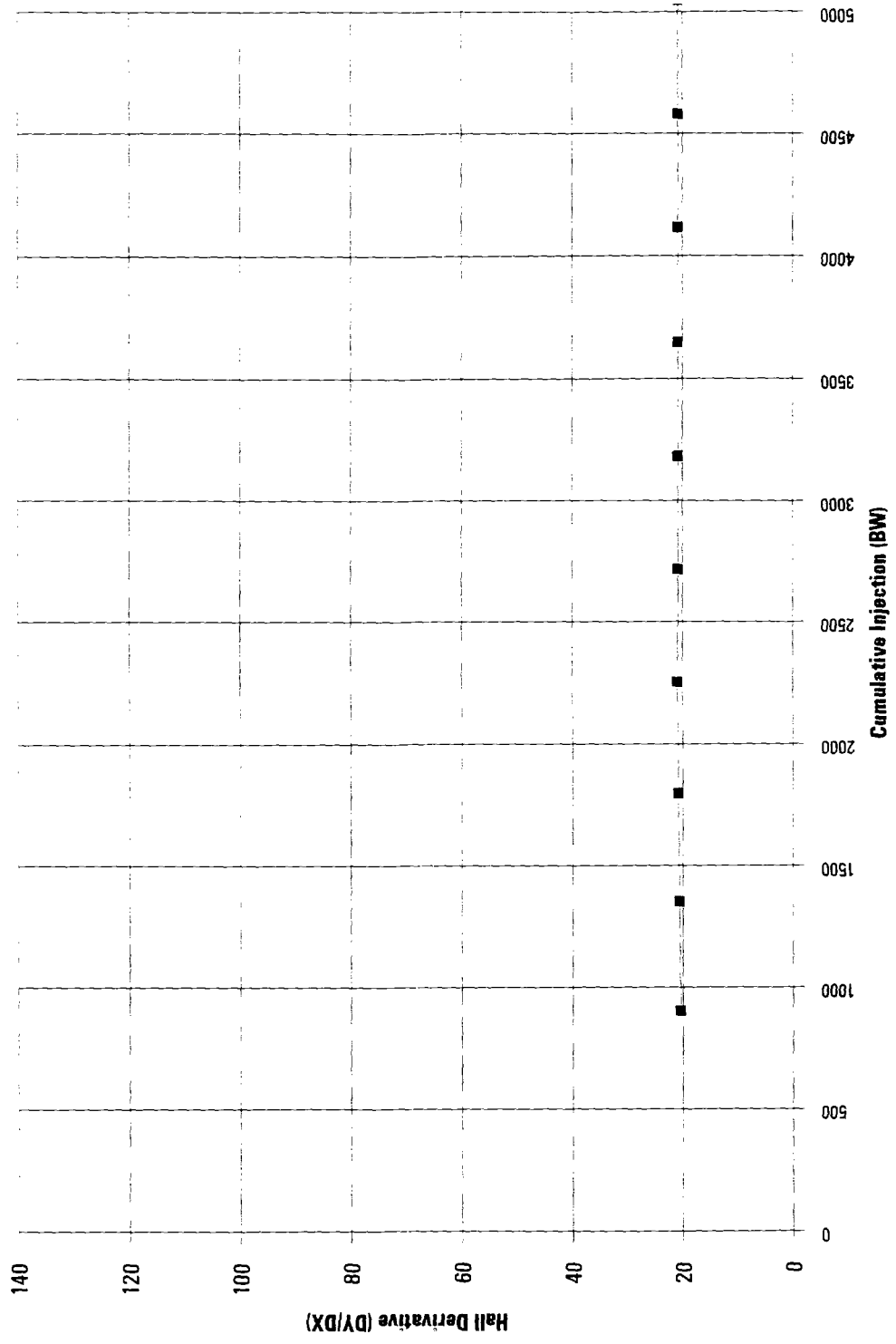
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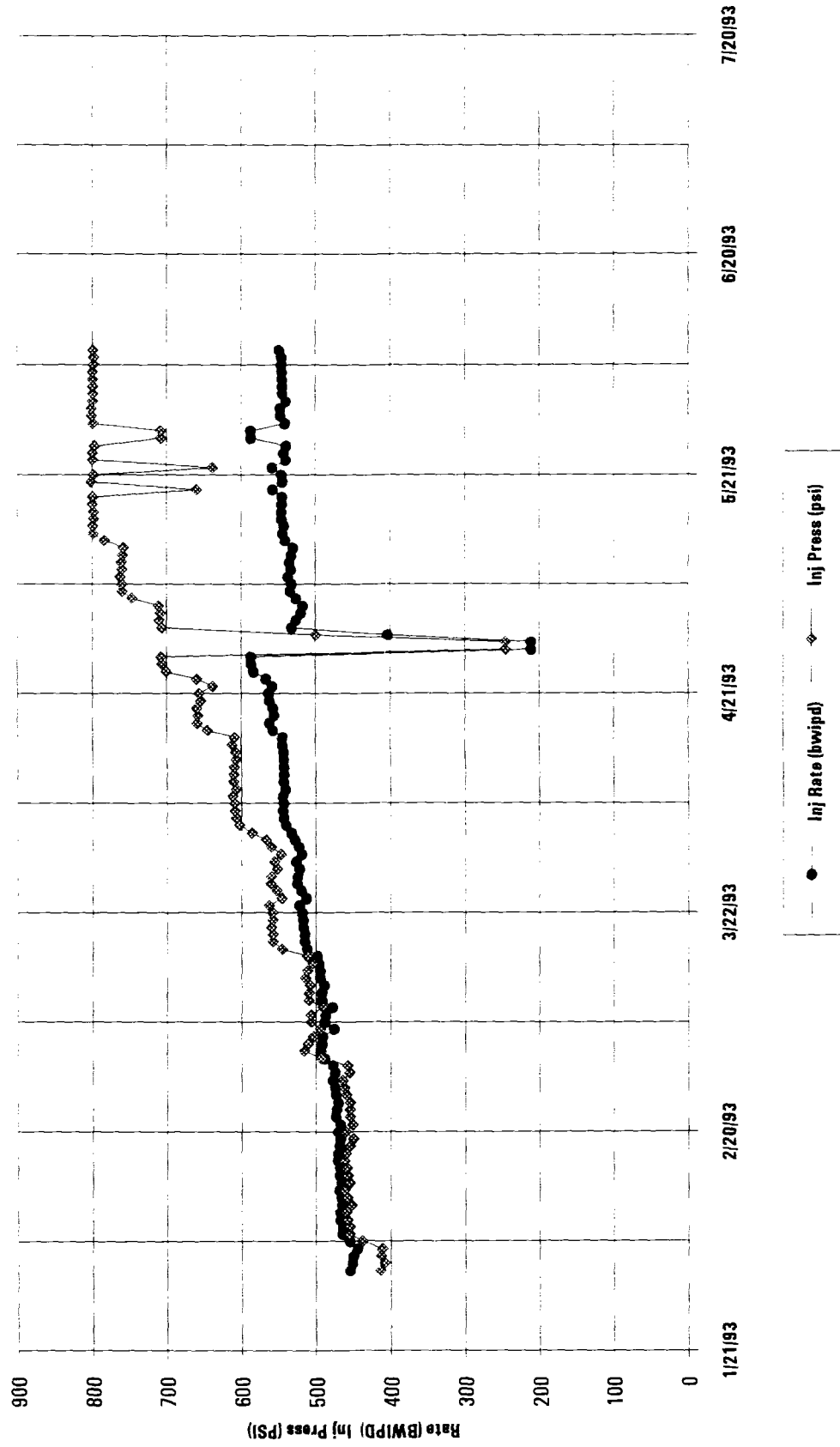
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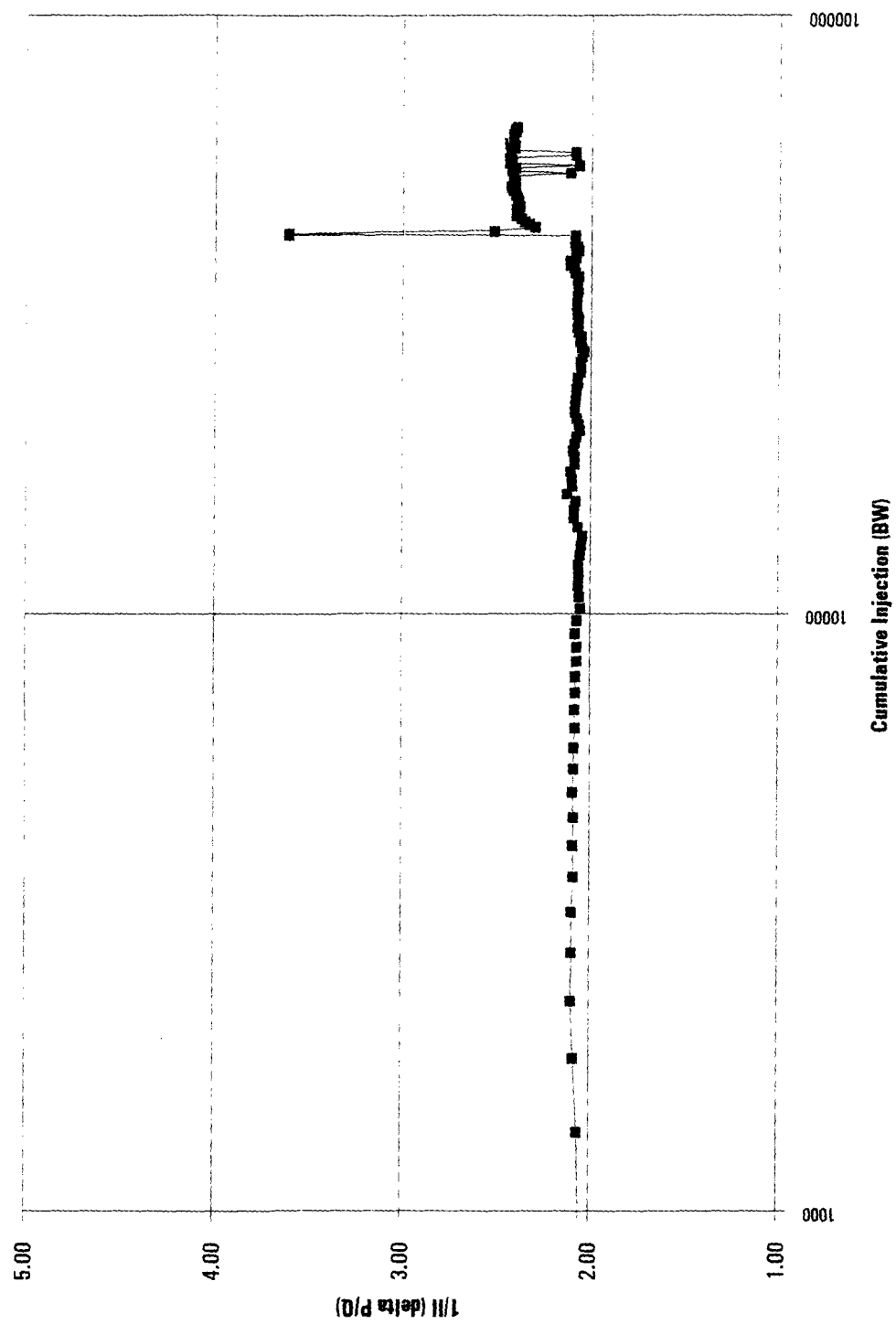
#26 Hall Derivative Plot



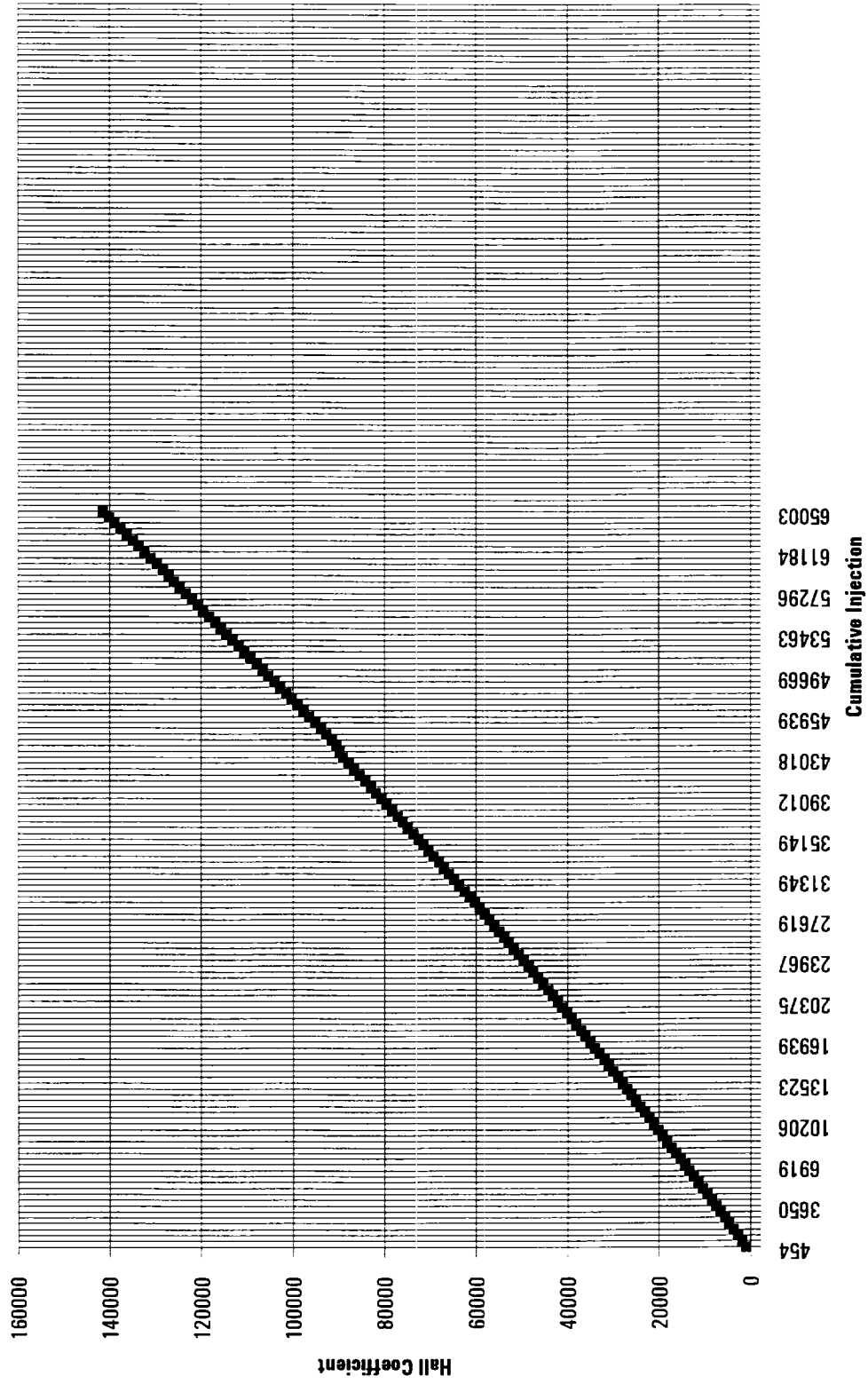
#26 Rate & Pressure Plot



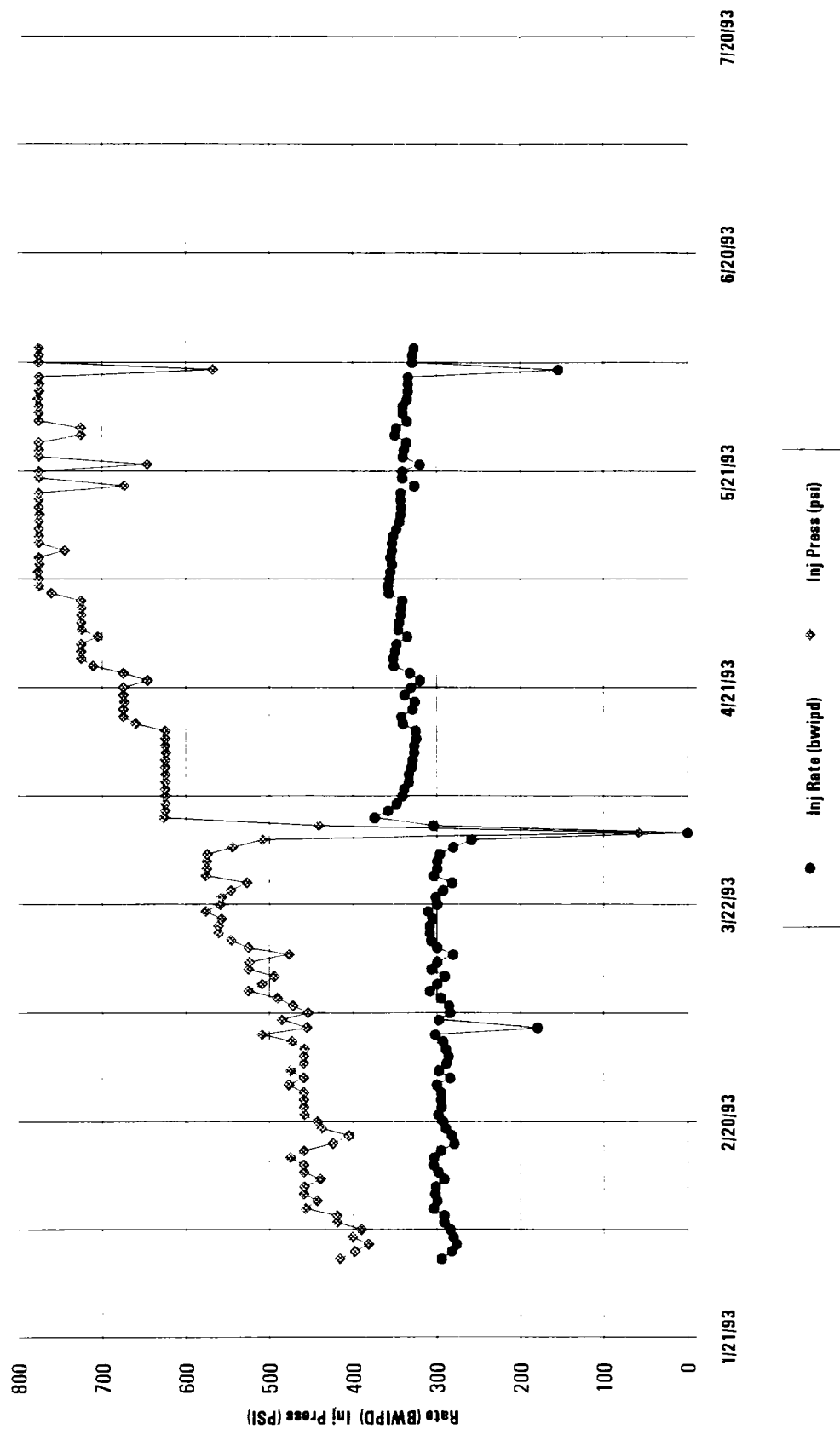
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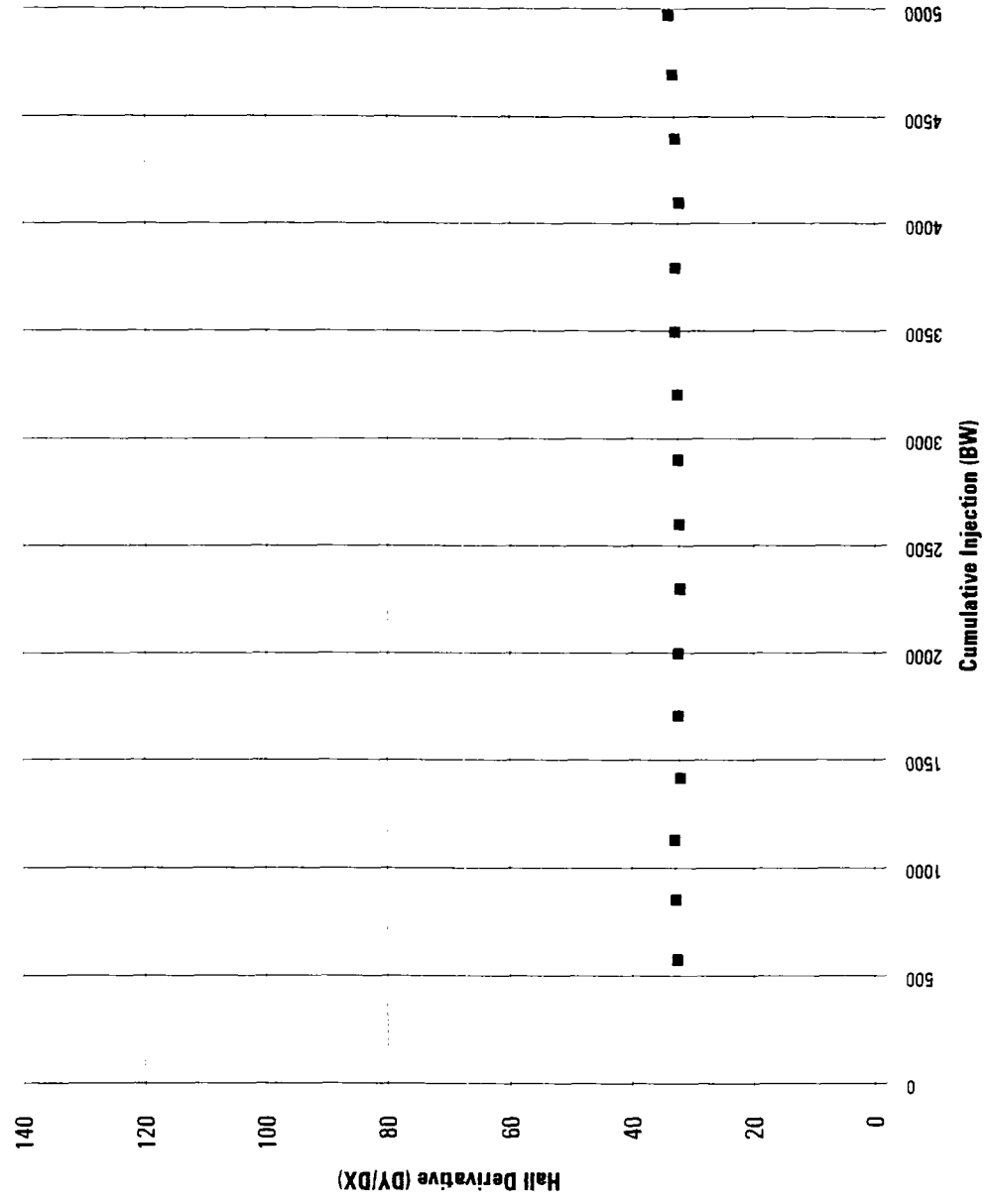
#26 Hall Coefficient Plot



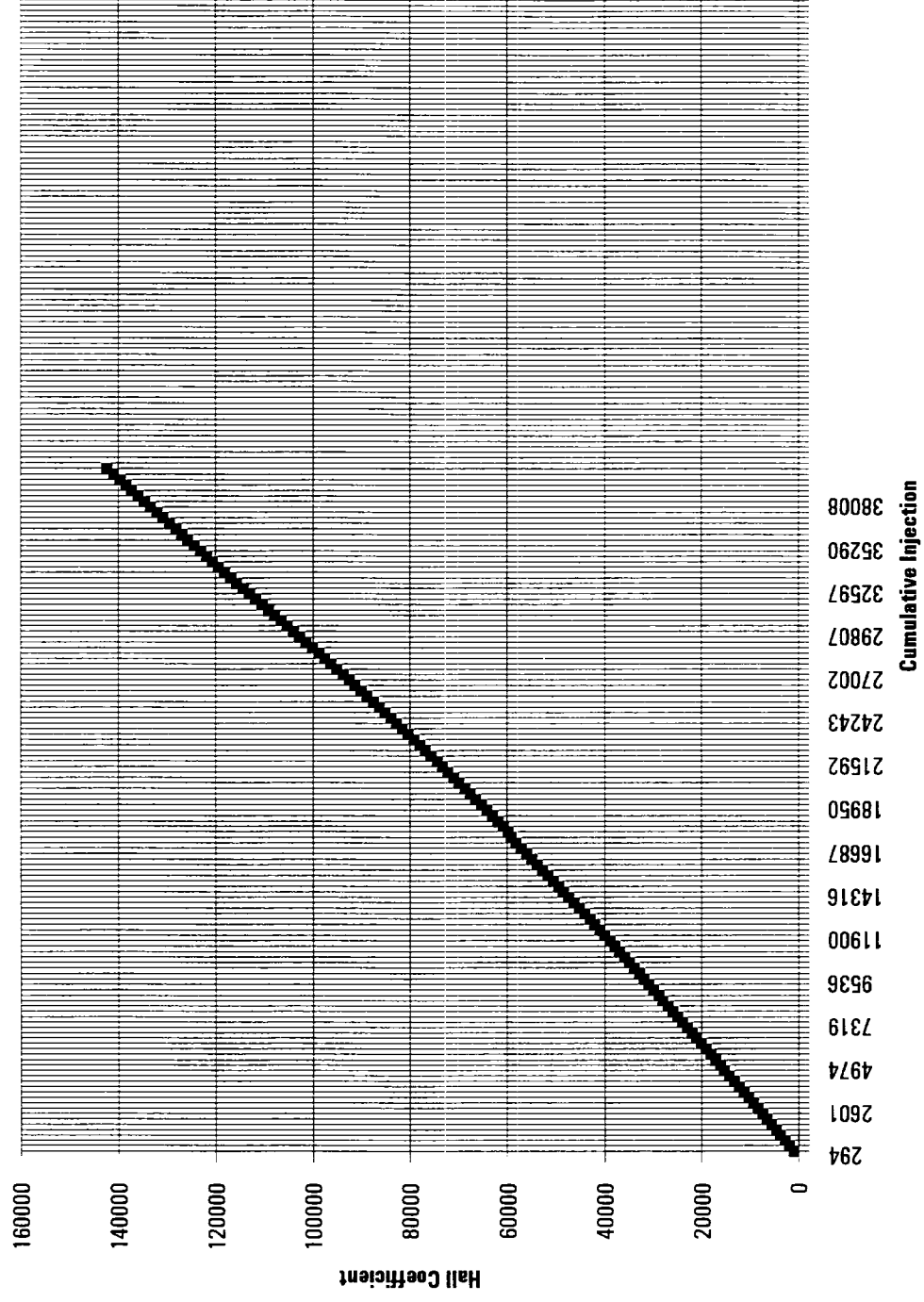
#113 Rate & Pressure Plot



#113 Hall Derivative Plot



#113 Hall Coefficient Plot



#113 Inverse II Plot

