	Initial			6-Hours			14-Hours			22-Hours		
	Inlet	Outlet	% Removal	Inlet	Outlet	% Removal	Inlet	Outlet	% Removal	Inlet	Outlet	% Removal
COS	5.2	4.0	23.1	5.4	4.3	20.7	4.9	3.8	22.9	5.1	4.0	22.6
H_2S	4.7	0.0	100.0	4.8	0.0	100.0	4.4	0.0	100.0	4.0	0.0	100.0
CS_2	1.9	0.5	72.9	1.8	0.6	64.4	1.5	0.3	79.2	1.4	0.2	84.5
DMS	1.6	0.9	44.4	1.8	1.0	43.2	1.7	0.9	47.7	1.6	1.1	35.0
MeSH	6.1	1.2	80.9	6.0	0.0	100.0	5.5	0.2	97.1	5.3	0.0	100.0
EtSH	1.8	0.5	74.6	1.7	0.0	100.0	1.5	0.0	100.0	1.3	0.0	100.0
PrSH	0.3	0.0	100.0	0.3	0.0	100.0	0.2	0.0	100.0	0.2	0.0	100.0
TOTAL	21.6	7.0	67.7	21.7	5.9	72.7	19.7	5.2	73.8	18.9	5.3	71.9
COPPER STRIP	2E	1B		2E	1B		2D	1A		2E	1A	

Fig. 1

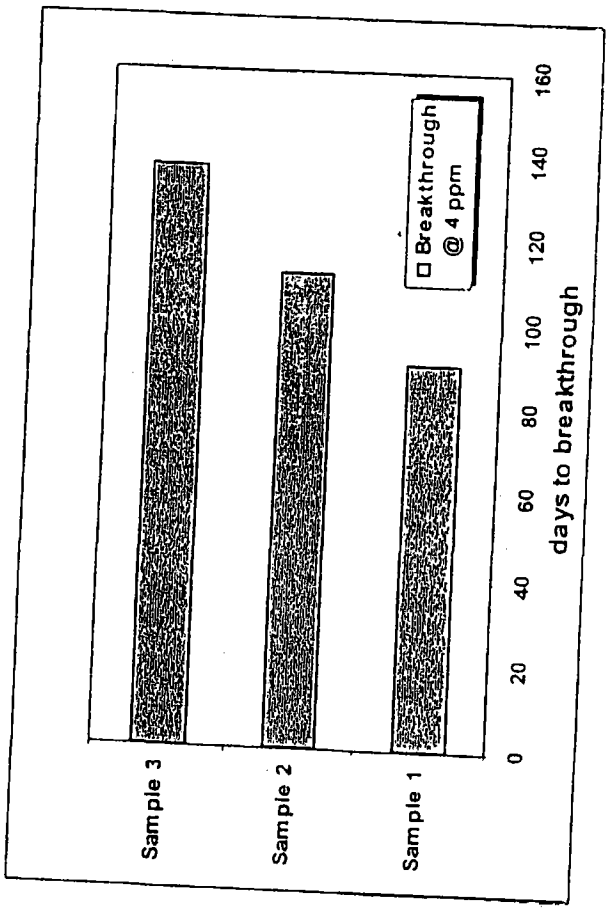

Sample 3
Sample 2
Sample 1
0
20
40
60
80
100
120
140
160
days to breakthrough
Breakthrough @ 4 ppm

Fig. 2

	Initial			6-Hours			14-Hours			22-Hours		
	Inlet	Outlet	% Removal	Inlet	Outlet	% Removal	Inlet	Outlet	% Removal	Inlet	Outlet	% Removal
COS	4.8	4.1	13.8	5.0	4.6	7.67	4.8	3.9	19.2	4.6	4.1	10.2
H_2S	6.4	0.0	100.0	6.9	0.0	100.0	6.2	0.0	100.0	5.9	0.0	100.0
CS_2	2.4	1.0	60.2	2.2	0.4	80.1	2.0	0.7	63.1	1.9	0.6	68.8
DMS	1.9	0.5	71.3	1.6	0.4	76.2	1.4	0.7	51.4	1.7	0.9	47.4
MeSH	5.8	0.3	95.0	5.2	0.0	100.0	5.4	0.0	100.0	5.0	0.0	100.0
EtSH	2.2	0.7	69.0	1.9	0.0	100.0	1.8	0.0	100.0	1.8	0.0	100.0
PrSH	0.5	0.2	68.1	0.5	0.0	100.0	0.4	0.0	100.0	0.3	0.0	100.0
TOTAL	23.8	6.7	71.7	23.3	5.5	76.6	21.9	5.3	75.8	21.1	5.6	73.4
COPPER STRIP	3B	1B		3B	1B		3A	1A		3A	1A	

Fig. 3

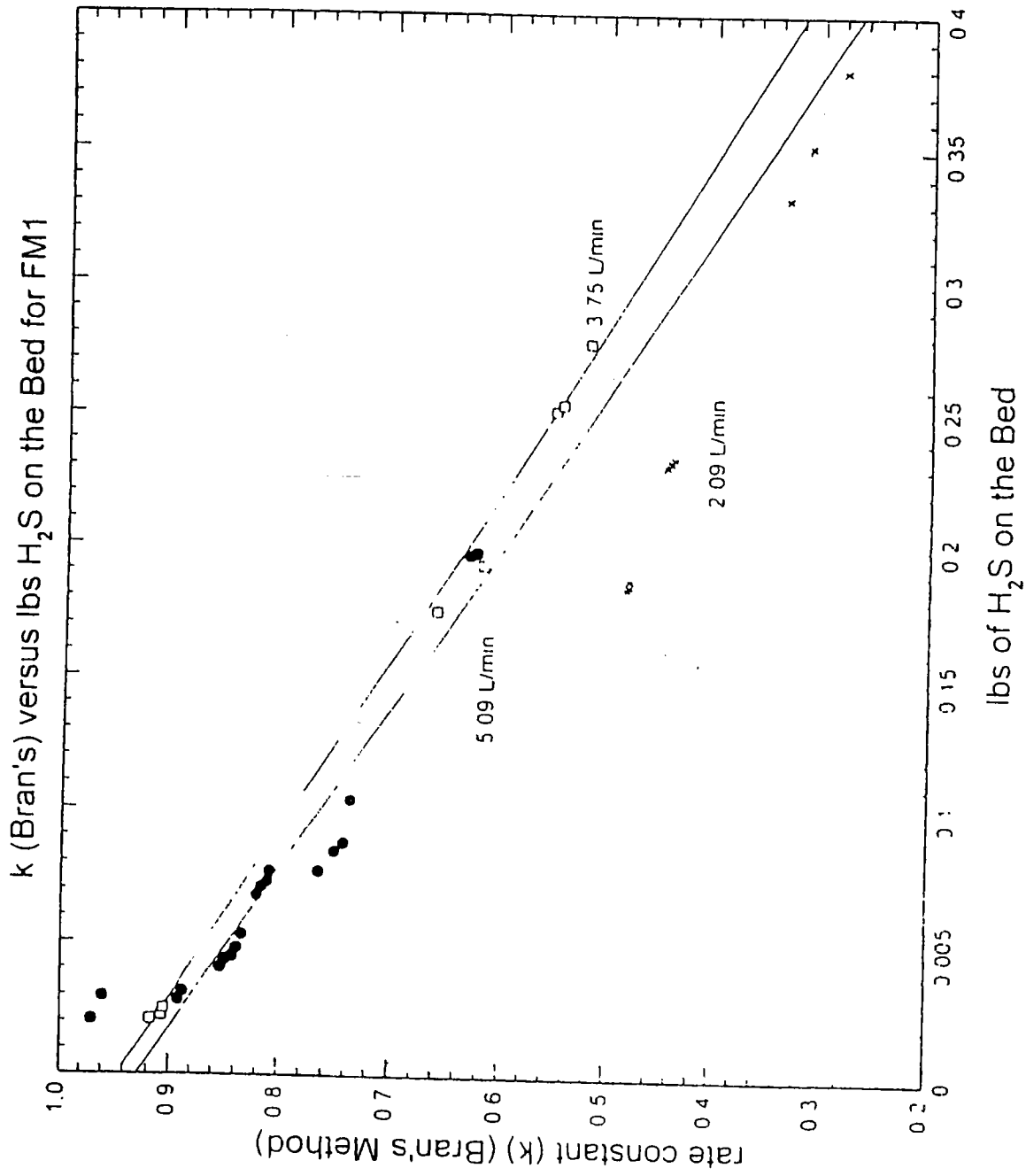

k (Bran's) versus lbs H_2S on the Bed for FM1
rate constant (k) (Bran's Method)
lbs of H_2S on the Bed
5 09 L/min
3 75 L/min
2 09 L/min
1.0
0 9
0 8
0 7
0 6
0 5
0 4
0 3
0 15
0 2
0 25
0 3
0 35
0 4
0 005

Fig. 4

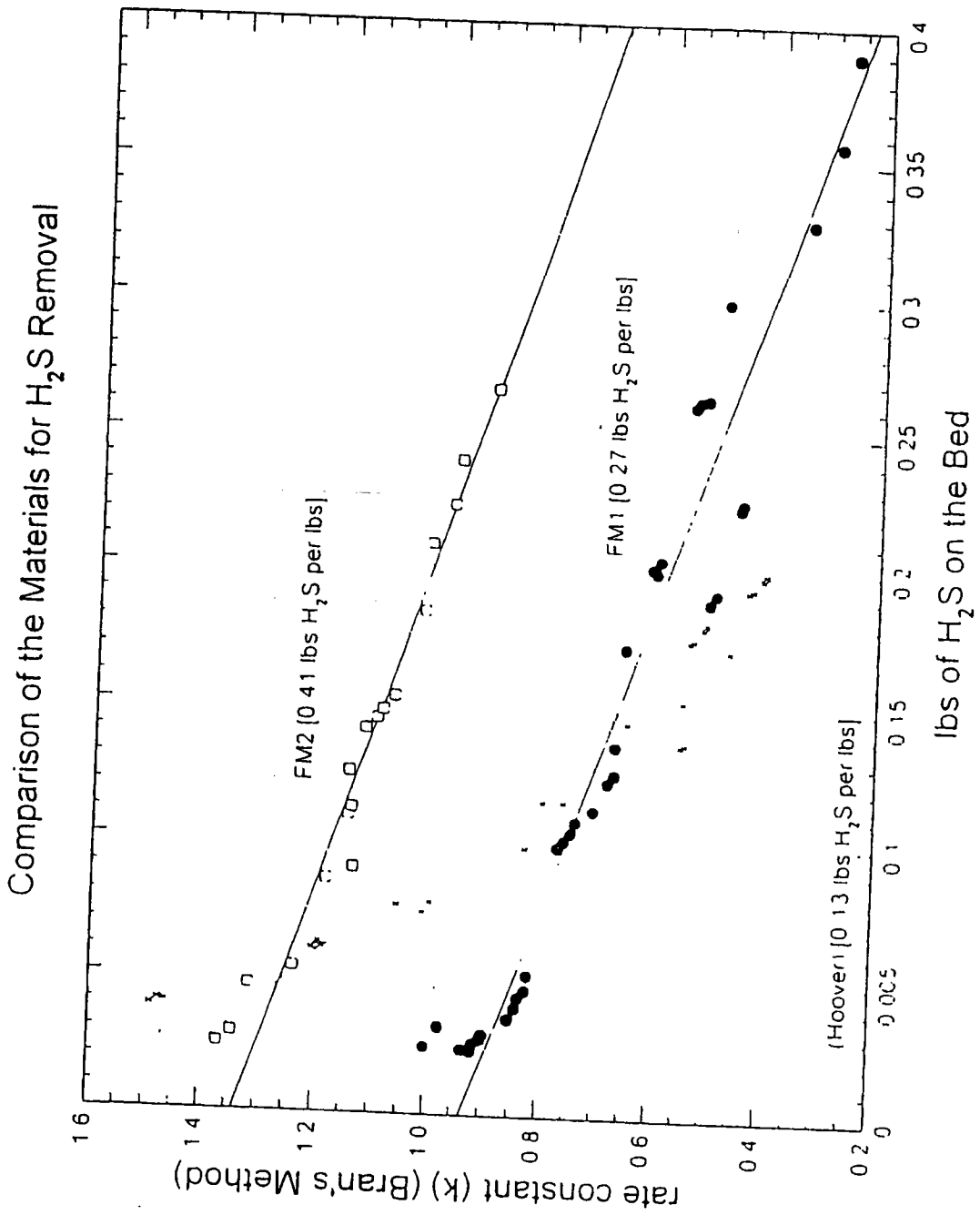

Comparison of the Materials for H_2S Removal
rate constant (k) (Bran's Method)
lbs of H_2S on the Bed
FM2 (0 41 lbs H_2S per lbs)
FM1 (0 27 lbs H_2S per lbs)
(Hoover) (0 13 lbs H_2S per lbs)
0 2
0 4
0 6
0 8
1 0
1 2
1 4
1 6
0 005
0 1
0 15
0 2
0 25
0 3
0 35
0 4

Fig. 5

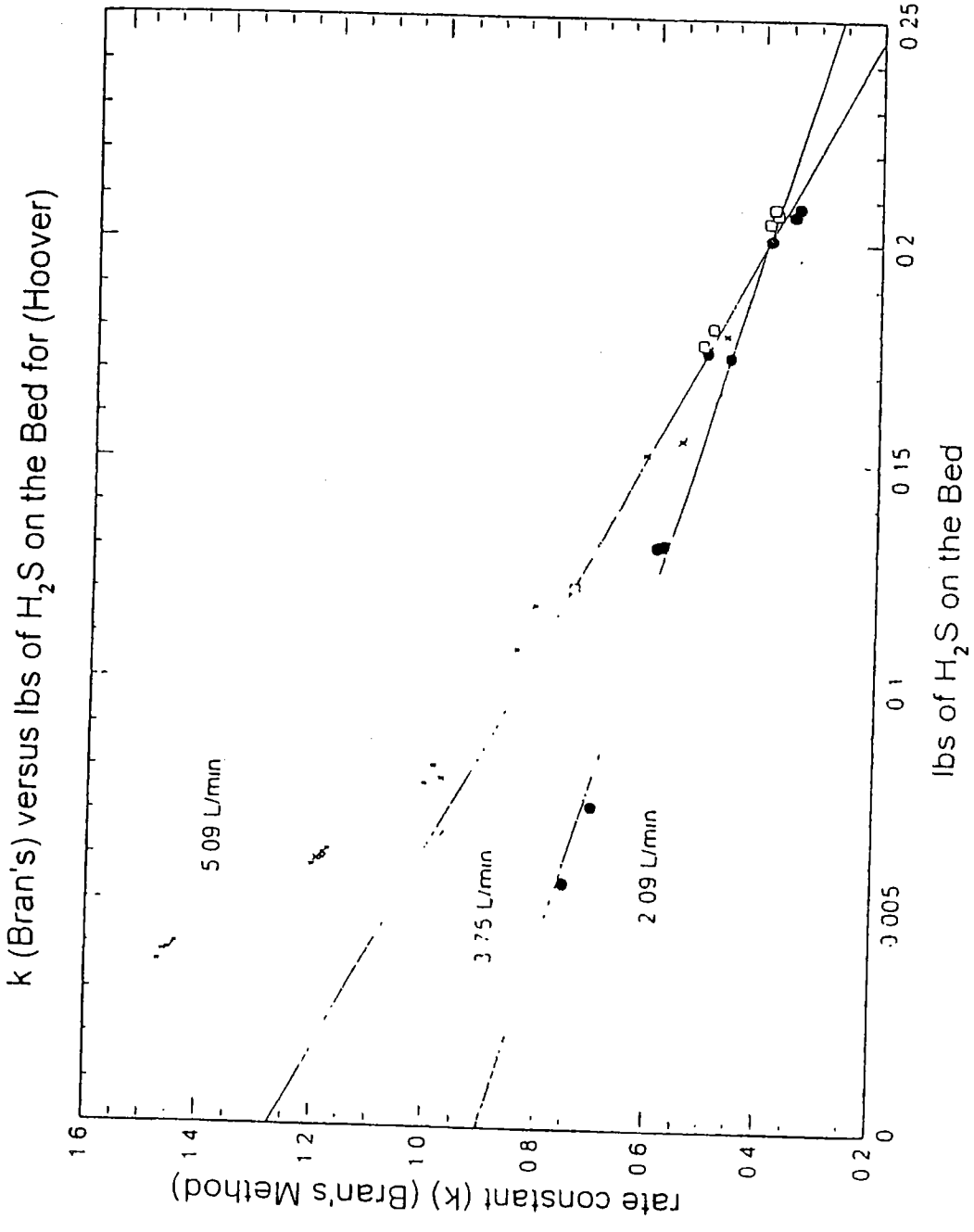

k (Bran's) versus lbs of H_2S on the Bed for (Hoover)
rate constant (k) (Bran's Method)
lbs of H_2S on the Bed
5 09 L/min
3 75 L/min
2 09 L/min
0 2
0 4
0 6
0 8
1 0
1 2
1 4
1 6
0
3 005
0 1
0 15
0 2
0 25

Fig. 6

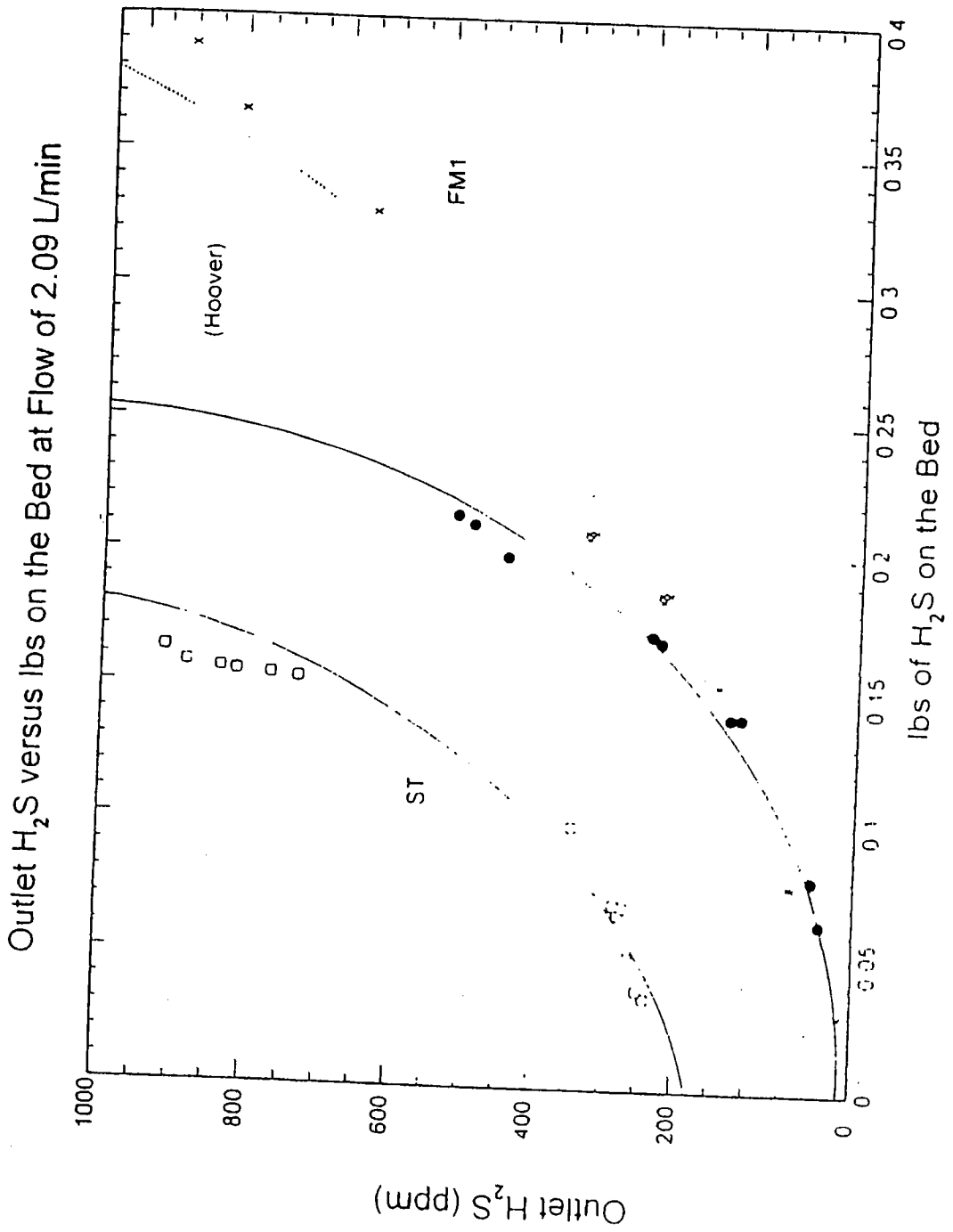

Outlet H_2S versus lbs on the Bed at Flow of 2.09 L/min
(Hoover)
FM1
ST
Outlet H_2S (ppm)
lbs of H_2S on the Bed
0
200
400
600
800
1000
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4

Fig. 7

16 MAR 2005

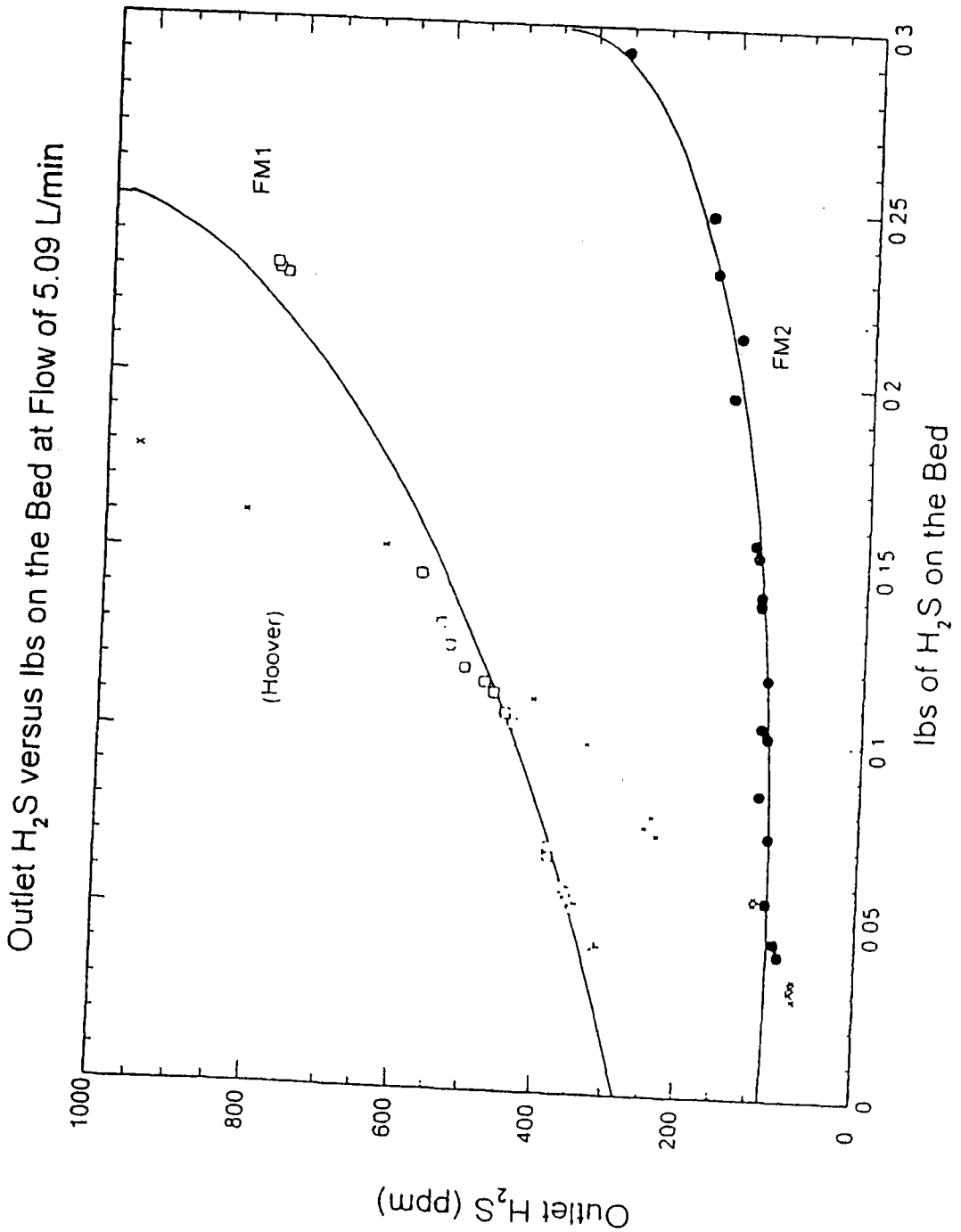


Fig. 8