Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Rains & Williamson Oil Co.,Inc. Lease & Well No. #1 Strecker

Elevation ==== Formation Lansing Effective Pay ==== Ft. Ticket No. 17620

Date 1/ 10 /83 Sec. 30 Twp. 11S Range 14W County Russell State Kansas

Test Approved by Dave Calvert Western Representative Denis Wondra

Formation Test No. 1 Interval Tested from 2967 ft. to 3001 ft. Total Depth 3001 ft.

Packer Depth 2962 ft. Size 6 5/8 in. Packer Depth 2967 ft. Size 6 5/8 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2991 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 2994 ft. Recorder Number 13240 Cap. 4500

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Rains & Williamson Drlg. Rig #9 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 43 Weight Pipe Length - I. D. - in.

Weight 10.3 Water Loss 10.4 cc. Drill Pipe Length 2946 I. D. 3.8 in.

Chlorides 65,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 34 ft. Size 5½OD in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½XH in.

Blow: Very weak; died in five minutes on initial flow period. No blow on final flow period.

Recovered 5 ft. of oil spotted mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 5:58 A.M. ~~P.M.~~ Time Started Off Bottom 8:00 A.M. ~~P.M.~~ Maximum Temperature 106°

Initial Hydrostatic Pressure ..... (A) 1600 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 38 P.S.I. to (C) 38 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 78 P.S.I.

Final Flow Period ..... Minutes 30 (E) 39 P.S.I. to (F) 39 P.S.I.

Final Closed In Period ..... Minutes 30 (G) 53 P.S.I.

Final Hydrostatic Pressure ..... (H) 1600 P.S.I.

WT

WESTERN TESTING CO., INC.
Pressure Data

Date 1/10/83 Test Ticket No. 17620

Recorder No. 11018 Capacity 4425 Location 2991 Ft.

Clock No. --- Elevation --- Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1600 P.S.I.	Open Tool	5:58A M	
B First Initial Flow Pressure	38 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	38 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	78 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	39 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	39 P.S.I.			
G Final Closed-in Pressure	53 P.S.I.			
H Final Hydrostatic Mud	1600 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	38
P 2 5	38
P 3 10	38
P 4 15	38
P 5 20	38
P 6 25	38
P 7 30	38
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	38
3	38
6	41
9	44
12	47
15	50
18	55
21	60
24	67
27	73
30	78

Second Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	39
5	39
10	39
15	39
20	39
25	39
30	39

Final Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	39
3	40
6	41
9	43
12	45
15	47
18	49
21	50
24	51
27	52
30	53

TRT # 17620

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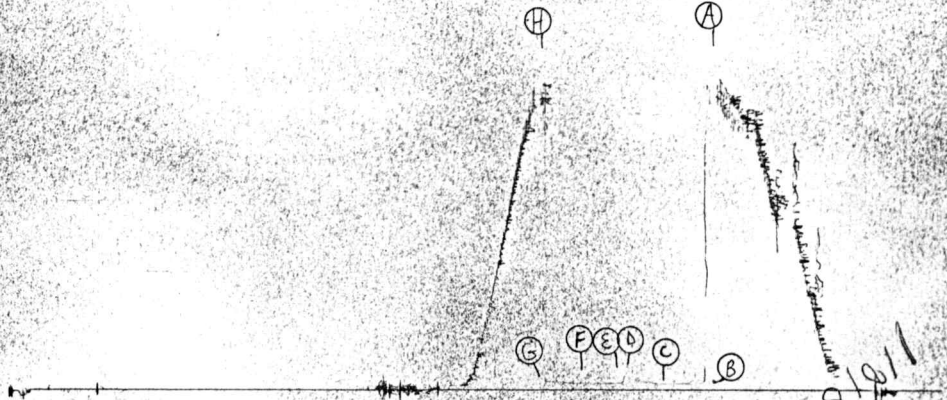

Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Rains & Williamson Oil Co.,Inc. Lease & Well No. #1 Strecker

Elevation ==== Formation Lansing Effective Pay ==== Ft. Ticket No. 17621

Date 1/ 11 /83 Sec. 30 Twp. 11S Range 14W County Russell State Kansas

Test Approved by Dave Calvert Western Representative Denis Wondra

Formation Test No. 2 Interval Tested from 3034 ft. to 3078 ft. Total Depth 3078 ft.

Packer Depth 3029 ft. Size 6 5/8 in. Packer Depth 3034 ft. Size 6 5/8 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3068 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 3071 ft. Recorder Number 13240 Cap. 4500

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Rains & Williamson Drlg. Rig #9 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 44 Weight Pipe Length - I. D. - in.

Weight 9.8 Water Loss 10.8 cc. Drill Pipe Length 3013 I. D. 3.8 in.

Chlorides 59,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 44 ft. Size 5½OD in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½XH in.

Blow: Fair throughout flow periods.

Recovered 60 ft. of gas in pipe

Recovered 30 ft. of oil and gas cut mud 10% oil;15% water;5% gas;70% mud

Recovered 70 ft. of oil spotted gas cut watery mud 1% oil

Recovered 180 ft. of gas cut muddy water spots of oil

Recovered ft. of Chlorides 92,000 ppm

Remarks:

Time Set Packer(s) 11:43 A.M. P.M. Time Started Off Bottom 2:45 A.M. ~~P.M.~~ Maximum Temperature 106°

Initial Hydrostatic Pressure		(A)	1685	P.S.I.	
Initial Flow Period	Minutes 30	(B)	51	P.S.I. to (C)	81 P.S.I.
Initial Closed In Period	Minutes 30	(D)	984	P.S.I.	
Final Flow Period	Minutes 60	(E)	101	P.S.I. to (F)	166 P.S.I.
Final Closed In Period	Minutes 60	(G)	987	P.S.I.	
Final Hydrostatic Pressure		(H)	1637	P.S.I.	

WESTERN TESTING CO., INC.
Pressure Data

Date 1/11/83 Test Ticket No. 17621

Recorder No. 11018 Capacity 4425 Location 3068 Ft.

Clock No. --- Elevation --- Well Temperature 106 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1685	P.S.I.
B	First Initial Flow Pressure	51	P.S.I.
C	First Final Flow Pressure	81	P.S.I.
D	Initial Closed-in Pressure	984	P.S.I.
E	Second Initial Flow Pressure	101	P.S.I.
F	Second Final Flow Pressure	166	P.S.I.
G	Final Closed-in Pressure	987	P.S.I.
H	Final Hydrostatic Mud	1637	P.S.I.

	Time Given	Time Computed
Open Tool	11:43P M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	30 Mins.	30 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	60 Mins.	60 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	51
P 2 5	51
P 3 10	52
P 4 15	59
P 5 20	68
P 6 25	76
P 7 30	81
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	81
3	781
6	874
9	912
12	931
15	947
18	959
21	969
24	977
27	982
30	984

Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	101
5	101
10	107
15	113
20	119
25	127
30	133
35	139
40	148
45	153
50	160
55	166
60	166

Final Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	166
3	819
6	866
9	887
12	909
15	927
18	937
21	945
24	950
27	957
30	962
33	966
36	970
39	974
42	978
45	980
48	982
51	984
54	985
57	986
60	987

TKT # 17621

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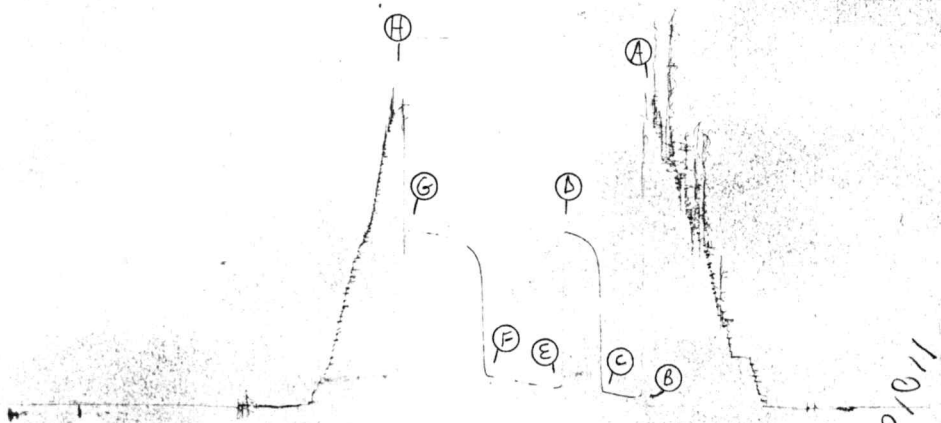

8/9/11

Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Rains & Williamson Oil Co.,Inc. Lease & Well No. #1 Strecker

Elevation ==== Formation Kansas City Effective Pay ==== Ft. Ticket No. 17622

Date 1/ 11 /83 Sec. 30 Twp. 11S Range 14W County Russell State Kansas

Test Approved by Dave Calvert Western Representative Denis Wondra

Formation Test No. 3 Interval Tested from 3121 ft. to 3133 ft. Total Depth 3133 ft.

Packer Depth 3116 ft. Size 6 5/8 in. Packer Depth 3121 ft. Size 6 5/8 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3123 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 3126 ft. Recorder Number 13240 Cap. 4500

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Rains & Williamson Drlg. Rig #9 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 52 Weight Pipe Length - I. D. - in.

Weight 10.2 Water Loss 6.6 cc. Drill Pipe Length 3100 I. D. 3.8 in.

Chlorides 56,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 12 ft. Size 5½OD in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½XH in.

Blow: Very weak; died in twenty=five minutes on initial flow period. No blow on final flow period.

Recovered 30 ft. of mud spots of oil on top of tool

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:48 ~~A.M.~~ P.M. Time Started Off Bottom 11:50 A.M. P.M. Maximum Temperature 107°

Initial Hydrostatic Pressure			(A)	1797	P.S.I.	
Initial Flow Period	Minutes	30	(B)	70	P.S.I. to (C)	70 P.S.I.
Initial Closed In Period	Minutes	30	(D)	936	P.S.I.	
Final Flow Period	Minutes	30	(E)	80	P.S.I. to (F)	80 P.S.I.
Final Closed In Period	Minutes	30	(G)	918	P.S.I.	
Final Hydrostatic Pressure			(H)	1751	P.S.I.	

WTC-

WESTERN TESTING CO., INC.
Pressure Data

Date 1/11/83 Test Ticket No. 17622

Recorder No. 11018 Capacity 4425 Location 3123 Ft.

Clock No. -- Elevation --- Well Temperature 107 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1797 P.S.I.		Open Tool	9:48P M	
B	First Initial Flow Pressure	70 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	70 P.S.I.		Initial Closed-in Pressure	30 Mins.	30 Mins.
D	Initial Closed-in Pressure	936 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	80 P.S.I.		Final Closed-in Pressure	30 Mins.	30 Mins.
F	Second Final Flow Pressure	80 P.S.I.				
G	Final Closed-in Pressure	918 P.S.I.				
H	Final Hydrostatic Mud	1751 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	70
P 2	5	70
P 3	10	70
P 4	15	70
P 5	20	70
P 6	25	70
P 7	30	70
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	70
3	351
6	873
9	894
12	906
15	916
18	923
21	927
24	931
27	934
30	936

Second Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	80
5	80
10	80
15	80
20	80
25	80
30	80

Final Shut-In
Breakdown: 10 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	80
3	832
6	867
9	885
12	895
15	903
18	908
21	912
24	916
27	917
30	918

IKT # 17622

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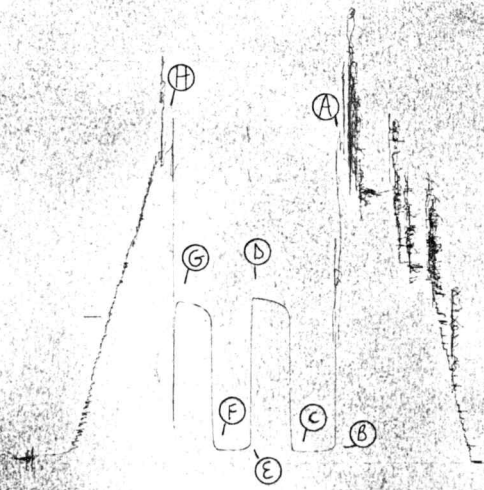
1018



Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company Rains & Williamson Oil Co.,Inc. Lease & Well No. #1 Strecker

Elevation ==== Formation Kansas City Effective Pay ==== Ft. Ticket No. 17623

Date 1/12/83 Sec. 30 Twp. 11S Range 14W County Russell State Kansas

Test Approved by Dave Calvert Western Representative Denis Wondra

Formation Test No. 4 Interval Tested from 3177 ft. to 3198 ft. Total Depth 3198 ft.

Packer Depth 3172 ft. Size 6 5/8 in. Packer Depth 3177 ft. Size 6 5/8 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3188 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 3191 ft. Recorder Number 13240 Cap. 4500

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Rains & Williamson Drlg. Rig #9 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 53 Weight Pipe Length - I. D. - in.

Weight 10.2 Water Loss 9.8 cc. Drill Pipe Length 3155 I. D. 3.8 in.

Chlorides 38,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 21 ft. Size 5½OD in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½XH in.

Blow: Very good throughout flow periods.

Recovered 10 ft. of heavily oil and gas cut mud (60% oil;5% gas;35% mud)

Recovered 290 ft. of slightly oil and gas cut watery mud (5% oil;40% mud;55% water)

Recovered 60 ft. of slightly oil and gas cut salt water (1% oil;5% mud;94% water)

Recovered 300 ft. of gas cut salt water Scum of oil

Recovered ft. of Chlorides 85,000 ppm

Remarks:

Time Set Packer(s) 3:58 A.M. P.M. Time Started Off Bottom 7:00 ~~A.M.~~ P.M. Maximum Temperature 107°

Initial Hydrostatic Pressure (A) 1773 P.S.I.

Initial Flow Period Minutes 30 (B) 106 P.S.I. to (C) 182 P.S.I.

Initial Closed In Period Minutes 30 (D) 1127 P.S.I.

Final Flow Period Minutes 55 (E) 226 P.S.I. to (F) 359 P.S.I.

Final Closed In Period Minutes 60 (G) 1125 P.S.I.

Final Hydrostatic Pressure (H) 1758 P.S.I.

WTC-

WESTERN TESTING CO., INC.
Pressure Data

Date 1/12/83 Test Ticket No. 17623

Recorder No. 11018 Capacity 4425 Location 3188 Ft.

Clock No. --- Elevation -- Well Temperature 107 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1773 P.S.I.	Open Tool		3:58P M	
B	First Initial Flow Pressure	106 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	182 P.S.I.	Initial Closed-in Pressure		30 Mins.	30 Mins.
D	Initial Closed-in Pressure	1127 P.S.I.	Second Flow Pressure		60 Mins.	55 Mins.
E	Second Initial Flow Pressure	226 P.S.I.	Final Closed-in Pressure		60 Mins.	60 Mins.
F	Second Final Flow Pressure	359 P.S.I.				
G	Final Closed-in Pressure	1125 P.S.I.				
H	Final Hydrostatic Mud	1758 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	106
P 2 5	109
P 3 10	120
P 4 15	137
P 5 20	156
P 6 25	175
P 7 30	182
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 10 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	182
3	954
6	1013
9	1048
12	1070
15	1086
18	1097
21	1110
24	1117
27	1123
30	1127

Second Flow Pressure
Breakdown: 11 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	226
5	228
10	237
15	249
20	267
25	280
30	293
35	308
40	320
45	336
50	351
55	359

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	359
3	938
6	995
9	1033
12	1050
15	1061
18	1074
21	1084
24	1092
27	1097
30	1101
33	1104
36	1107
39	1110
42	1113
45	1116
48	1119
51	1121
54	1123
57	1124
60	1125

IKT # 17623

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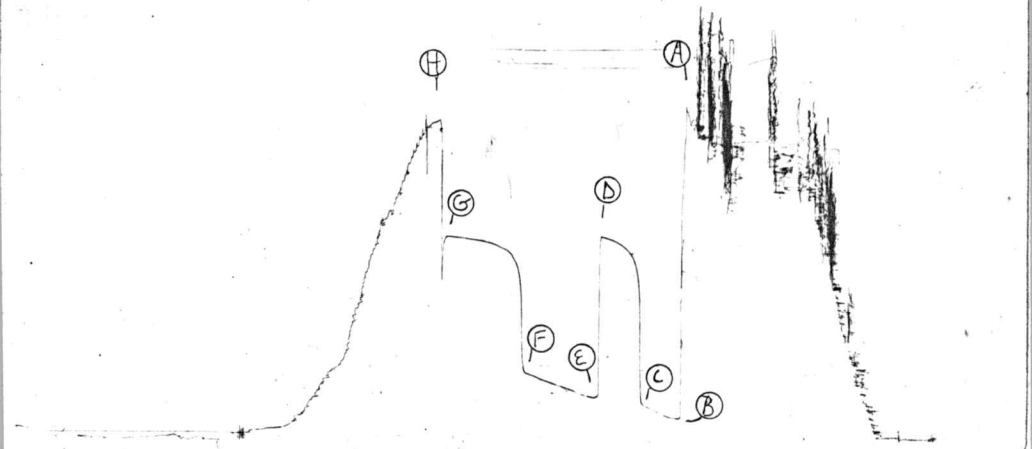
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