

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease Stoppel	Well No. #6	Date 9-5-80
County Russell	Sec. 24 Twp. 14 Rng. 11	Elevation
Company L.G. Stephenson & Co.		Test No. 1
Contractor Red Tiger Drlg.		Zone Tested Tarkeio
Charge To L.G. Stephenson & Co.		Ticket # 4259
Approved By Jim Spellman		Tester Jerald Schneider

Thomas Britton

Initial Hydro Mud Press. 1207 P.S.I.

Initial Flow Press. 55 To 66 P.S.I. Initial Flow Period 60 Min.

Initial Shut-in Press. 714 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 66 To 88 P.S.I. Final Flow Period 60 Min.

Final Shut-in Press. 703 P.S.I. Final Shut-in 45 Min.

Final Hydro Mud Press. 1207 P.S.I. TIME TOOL OPEN 8:00 AM

Temperature 92

Mud Weight 9.8 Viscosity 40

Fluid Loss 9.8

Interval Tested 2064 To 2110

Top Packer Depth 2105 Surface Choke Size

Bottom Packer Depth 2110 Bottom Choke Size 5/8

Total Depth 2110 Main Hole Size 7 7/8

Drill Pipe Size 4 1/2 Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow GTS 35Min GA 8.95 50Min 19.5 60 Min 22.9

2nd. Opening GA 10 Min Intervals 34.0 37.6 39.2 39.2 40.9 40.9

Recovery 50' Gas Cut Mud Few Oi. Specks.

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County <u>Russell</u> Sec. <u>24</u> Twp. <u>14</u> Rng. <u>11</u>		Elevation
Company <u>L.G. Stephenson & Co.</u>		Test No. <u>#2</u>
Contractor <u>Red Tiger Drlg.</u>		Zone Tested <u>Willard</u>
Charge To <u>L.G. Stephenson & Co.</u>		Ticket # <u>4260</u>
Approved By <u>Jim Spellman</u>		Tester <u>Tony Carreira</u>

Initial Hydro Mud Press. 1186 P.S.I.

Initial Flow Press. 55 To 55 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 66 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 55 To 55 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 55 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1164 P.S.I. TIME TOOL OPEN 9:50 PM

Temperature 93

Mud Weight 9.8 Viscosity 40

Fluid Loss 9.8

Interval Tested 2152 To 2200

Top Packer Depth 2147 Surface Choke Size

Bottom Packer Depth 2152 Bottom Choke Size 5/8

Total Depth 2200 Main Hole Size 7 7/8

Drill Pipe Size 4 1/2 FH Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow 1st, Opening Weak Blow Died 2 Min. 2nd. Opening No Blow. Flushed Tool No Help.

Recovery 5' Of Mud.

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Lease <u>Stoppel</u>	Well No. <u>#6</u>	Date <u>9-6-80</u>
County <u>Russell</u>	Sec. <u>24</u> Twp. <u>14</u> Rng. <u>11</u>	Elevation
Company <u>L.G. Stephenson & Co.</u>		Test No. <u>#3</u>
Contractor <u>Red Tiger Drlg. Co.</u>		Zone Tested <u>Topeka</u>
Charge To <u>L.G. Stephenson & Co.</u>		Ticket # <u>4261</u>
Approved By <u>Jim Spellman</u>		Tester <u>Tony Carreira</u>

Initial Hydro Mud Press. 1317 P.S.I.

Initial Flow Press. 33 To 44 P.S.I. Initial Flow Period 45 Min.

Initial Shut-in Press. 88 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 44 To 44 P.S.I. Final Flow Period 45 Min.

Final Shut-in Press. 66 P.S.I. Final Shut-in 45 Min.

Final Hydro Mud Press. 1295 P.S.I. TIME TOOL OPEN 8:20 PM

Temperature 95

Mud Weight 9.8 Viscosity 40

Fluid Loss 9.8

Interval Tested 2417 To 2436

Top Packer Depth 2412 Surface Choke Size

Bottom Packer Depth 2417 Bottom Choke Size 5/8

Total Depth 2436 Main Hole Size 7 7/8

Drill Pipe Size 4 1/2 FH Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow 1st. Opening Fair Blow 2nd. Opening Fair Blow

Recovery 60' Gas In Pipe 10' Oil Specked Mud

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease	Stoppel	Well No.	#6	Date	9-8-80
County	Russell	Sec.	24	Twp.	14
		Rng.	11	Elevation	
Company	L.G. Stephenson & Co.			Test No.	#4
Contractor	Red Tiger Drlg. Co.			Zone Tested	Capt. Creek
Charge To	L.G. Stephenson & Co.			Ticket #	4262
Approved By	Jim Spellman			Tester	Tony Carreira

Initial Hydro Mud Press. 1589 P.S.I.

Initial Flow Press. 44 To 55 P.S.I. Initial Flow Period 45 Min.

Initial Shut-in Press. 1142 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 55 To 77 P.S.I. Final Flow Period 45 Min.

Final Shut-in Press. 1098 P.S.I. Final Shut-in 45 Min.

Final Hydro Mud Press. 1557 P.S.I. TIME TOOL OPEN 11:05 AM

Temperature 97

Mud Weight 10.3 Viscosity 40

Fluid Loss 12.0

Interval Tested 2794 To 2820

Top Packer Depth 2789 Surface Choke Size

Bottom Packer Depth 2794 Bottom Choke Size 5/8

Total Depth 2820 Main Hole Size 7 7/8

Drill Pipe Size 4 1/2 FH Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow 1st. Opening Weak Blow 2nd. Opening Weak Blow

Recovery 240' Gas In Pipe 120' Gassy Oil Stained Mud.

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DRILL STEM TEST DATA

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Lease	Stoppel	Well No.	#6	Date	9-9-80
County	Russell	Sec.	24	Twp.	14
				Rng.	11
Company	L.G. Stephenson & Co.			Test No.	#5
Contractor	Red Tiger Drlg. Co.			Zone Tested	Farley
Charge To	L. G. Stephenson & Co.			Ticket #	4263
Approved By	Jim Spellman			Tester	Tony Carreira

Initial Hydro Mud Press. 1644 P.S.I.

Initial Flow Press. 33 To 88 P.S.I. Initial Flow Period 60 Min.

Initial Shut-in Press. 814 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 110 To 143 P.S.I. Final Flow Period 60 Min.

Final Shut-in Press. 759 P.S.I. Final Shut-in 45 Min.

Final Hydro Mud Press. 1589 P.S.I. TIME TOOL OPEN 2:05 AM

Temperature 98

Mud Weight 10.3 Viscosity 40

Fluid Loss 12.8

Interval Tested 2853 To 2870

Top Packer Depth 2848 Surface Choke Size

Bottom Packer Depth 2853 Bottom Choke Size 5/8

Total Depth 2870 Main Hole Size 7 7/8

Drill Pipe Size 4 1/2 FH Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow 1st. Opening Strong Blow 2nd. Opening Strong Blow.

Recovery 630' Gas In Pipe

30' GOCM (Some Free Oil)

150' MGO

90' MW

270' Total Fluid.

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Lease	Stoppel	Well No.	#6	Date	9-9-80	
County	Russell	Sec.	24	Twp.	14	
				Rng.	11	
Company	L.G. Stephenson & Co.				Test No.	#6
Contractor	Red Tiger Drlg. Co.				Zone Tested	Argentine
Charge To	L.G. Stephenson & Co.				Ticket #	4264
Approved By	Jim Spellman				Tester	Tony Carreira

Initial Hydro Mud Press. 1589 P.S.I.

Initial Flow Press. 22 To 44 P.S.I. Initial Flow Period 60 Min.

Initial Shut-in Press. 561 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 55 To 77 P.S.I. Final Flow Period 60 Min.

Final Shut-in Press. 550 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1535 P.S.I. TIME TOOL OPEN 3:00 PM

Temperature 99

Mud Weight 9.8 Viscosity 40

Fluid Loss 10.2

Interval Tested 2872 To 2878

Top Packer Depth 2867 Surface Choke Size

Bottom Packer Depth 2872 Bottom Choke Size 5/8

Total Depth 2878 Main Hole Size 7 7/8

Drill Pipe Size 4 1/2 FH Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow 1st. Opening Good Blow 2nd. Opening Good Blow.

Recovery 30' Gassy Oil Stained Muddy Water

120' Slighty Muddy Water

150' Total Fluid

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Lease	Stoppel	Well No.,	#6	Date	9-12-80
County	Russell	Sec.	24	Twp.	14 Rng. 11
Company	L.G. Stephenson & Co.			Test No.	#7
Contractor	Red Tiger Drlg. Co.			Zone Tested	Topeka
Charge To	L.G. Stephenson & Co.			Ticket #	3979
Approved By	Jim Spellman			Tester	James Rogers

Initial Hydro Mud Press. 1502 P.S.I. Floyd Bowman

Initial Flow Press. 107 To 161 P.S.I. Initial Flow Period 45 Min.

Initial Shut-in Press. 753 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 204 To 226 P.S.I. Final Flow Period 45 Min.

Final Shut-in Press. 699 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1500 P.S.I. TIME TOOL OPEN 2:00 PM

Temperature

Mud Weight 10.4 Viscosity 54

Fluid Loss 14.3

Interval Tested 2432 To 2549

Top Packer Depth 2432 Surface Choke Size

Bottom Packer Depth 2549 Bottom Choke Size 5/8

Total Depth 3360 Main Hole Size 7 7/8

Drill Pipe Size 4 1/2 FH Wt 4 1/2 XH Rubber Size 6 3/4

Drill Collar I.D. 2.25 Ft. Run

Blow Weak Blow Increasing To Good Blow Throughout Test.

Recovery 320' Slight Oil Specked & Gas Cut Watery Mud.

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County	Russell	Sec.	24	Twp.	11
		Rng.	11	Elevation	
Company	L.G. Stephenson & Co.			Test No.	#8
Contractor	Red Tiger Drlg. Co.			Zone Tested	
Charge To	L.G. Stephenson & Co.			Ticket #	3980
Approved By	Jim Spellman			Tester	James Rogers

Initial Hydro Mud Press. _____ P.S.I.

Initial Flow Press. _____ To _____ P.S.I. Initial Flow Period _____ Min.

Initial Shut-in Press. _____ P.S.I. Initial Shut-in _____ Min.

Final Flow Press. _____ To _____ P.S.I. Final Flow Period _____ Min.

Final Shut-in Press. _____ P.S.I. Final Shut-in _____ Min.

Final Hydro Mud Press. _____ P.S.I. TIME TOOL OPEN _____

Temperature _____

Mud Weight _____ 10.4 _____ Viscosity _____ 54 _____

Fluid Loss _____ 14.3 _____

Interval Tested _____ 2278 _____ To _____ 2395 _____

Top Packer Depth _____ 2278 _____ Surface Choke Size _____

Bottom Packer Depth _____ 2395 _____ Bottom Choke Size _____ 5/8 _____

Total Depth _____ Main Hole Size _____ 7 7/8 _____

Drill Pipe Size _____ 4 1/2 FH _____ Wt _____ 4 1/2 XH _____ Rubber Size _____ 6 3/4 _____

Drill Collar I.D. _____ 2.25 _____ Ft. Run _____

Blow _____ Mis Run Hook Falls After Set. _____

Recovery _____

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County	Russell	Sec.	24	Twp.	11	
				Rng.	11	
Company	L.G. Stephenson & Co.				Test No.	#9
Contractor	Red Tiger Drlg. Co.				Zone Tested	
Charge To	L.G. Stephenson & Co.				Ticket #	3981
Approved By	Jim Spellman				Tester	James Rogers

Initial Hydro Mud Press. _____ P.S.I.

Initial Flow Press. _____ To _____ P.S.I. Initial Flow Period _____ Min.

Initial Shut-in Press. _____ P.S.I. Initial Shut-in _____ Min.

Final Flow Press. _____ To _____ P.S.I. Final Flow Period _____ Min.

Final Shut-in Press. _____ P.S.I. Final Shut-in _____ Min.

Final Hydro Mud Press. _____ P.S.I. TIME TOOL OPEN _____

Temperature _____

Mud Weight _____ 10.4 _____ Viscosity _____ 54 _____

Fluid Loss _____ 14.3 _____

Interval Tested _____ 2210 _____ To _____ 2431 _____

Top Packer Depth _____ 2210 _____ Surface Choke Size _____

Bottom Packer Depth _____ 2431 _____ Bottom Choke Size _____ 5/8

Total Depth _____ 3360 _____ Main Hole Size _____ 7 7/8

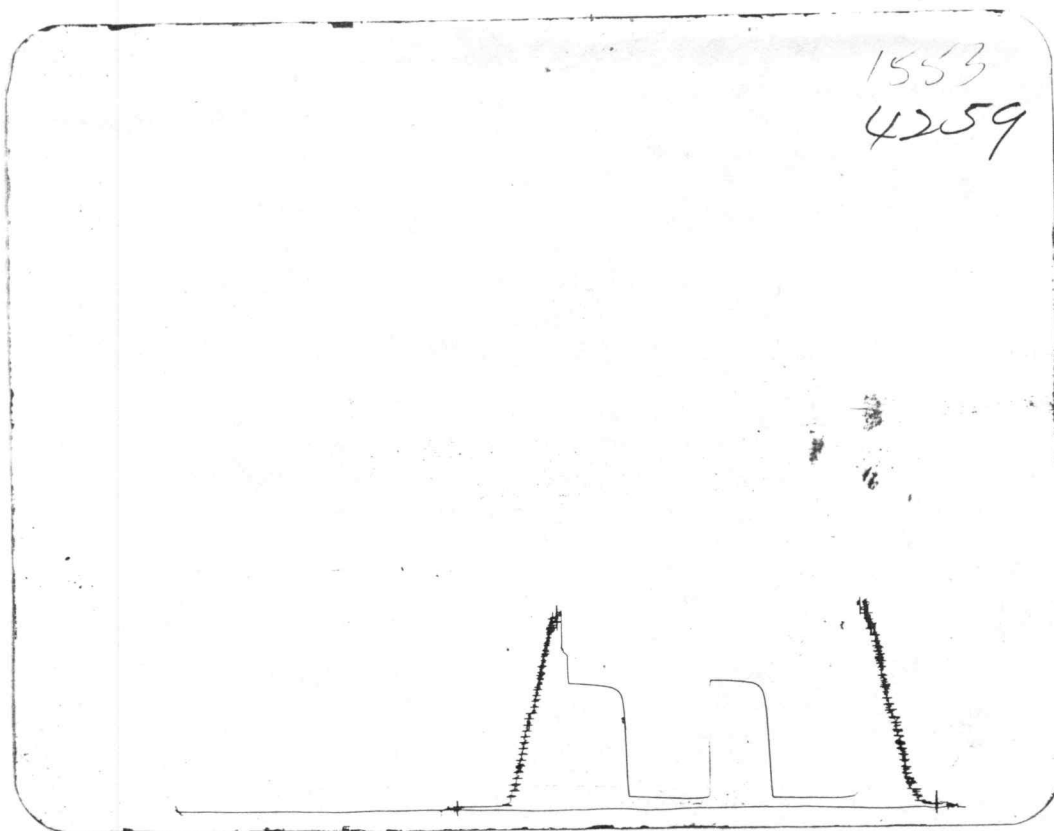
Drill Pipe Size _____ 4 1/2 FH _____ Wt _____ 4 1/2 XH _____ Rubber Size _____ 6 3/4

Drill Collar I.D. _____ 2.25 _____ Ft. Run _____

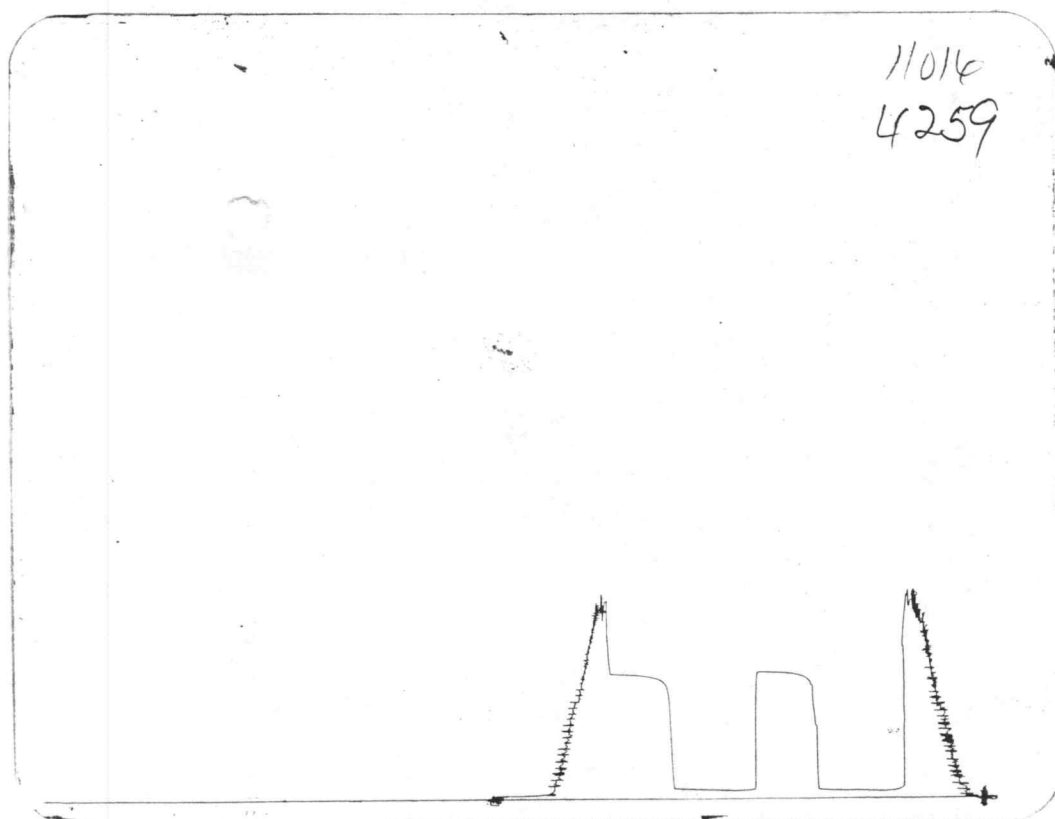
Blow _____ Mis Run Packers Failure. _____

Recovery _____

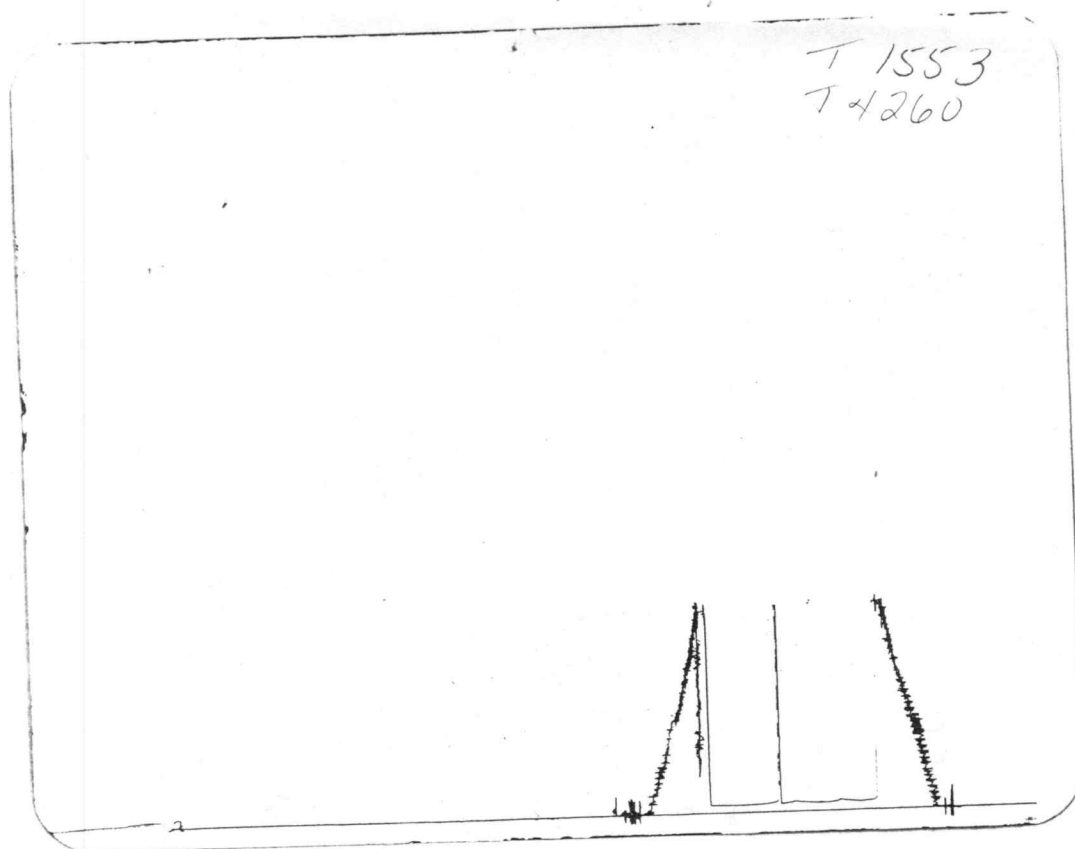
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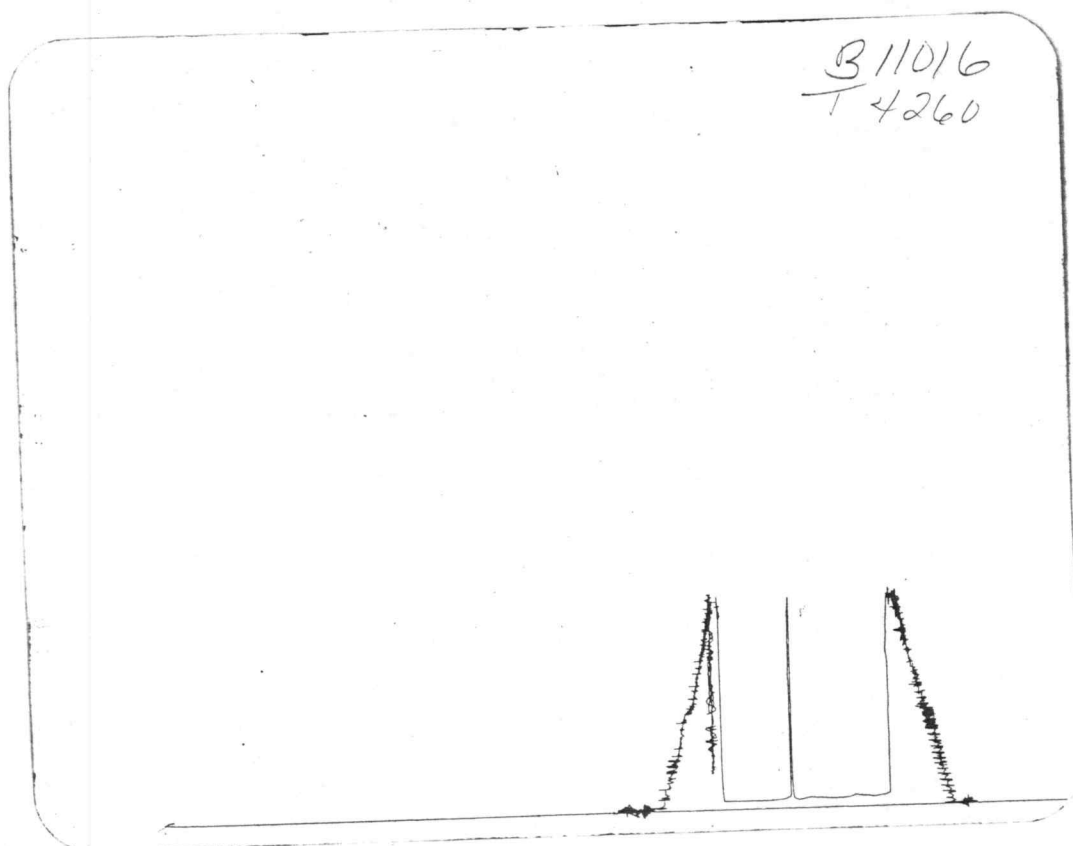
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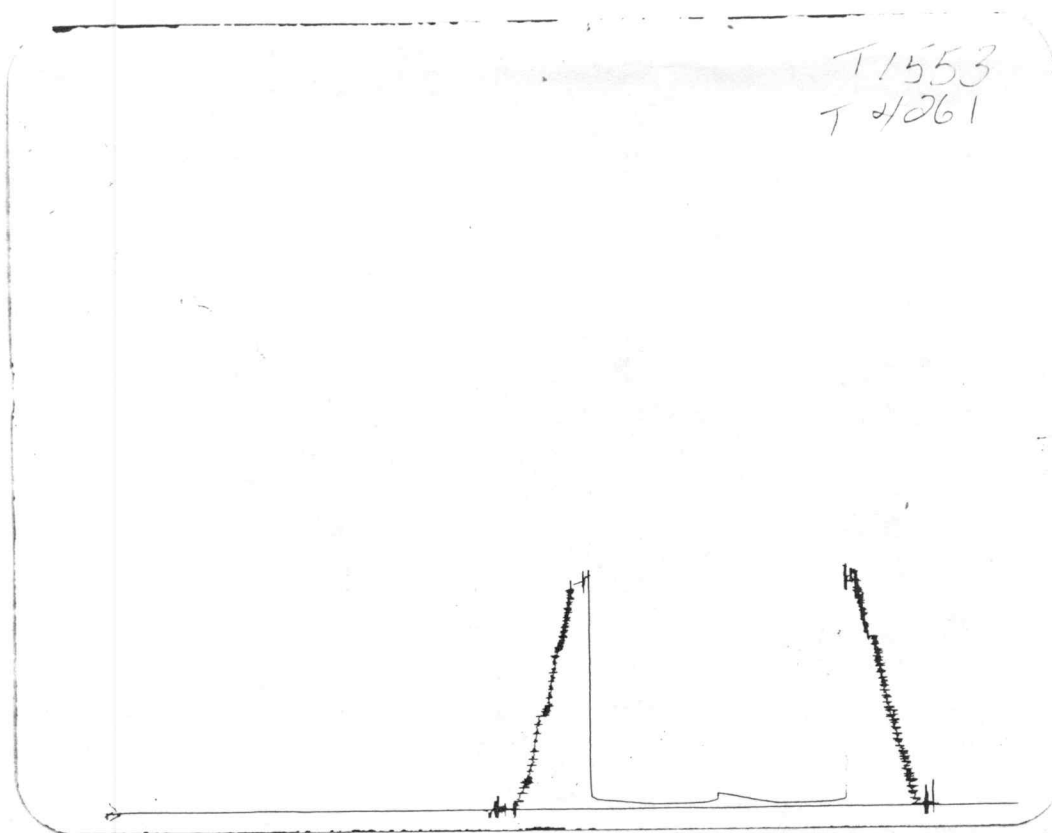
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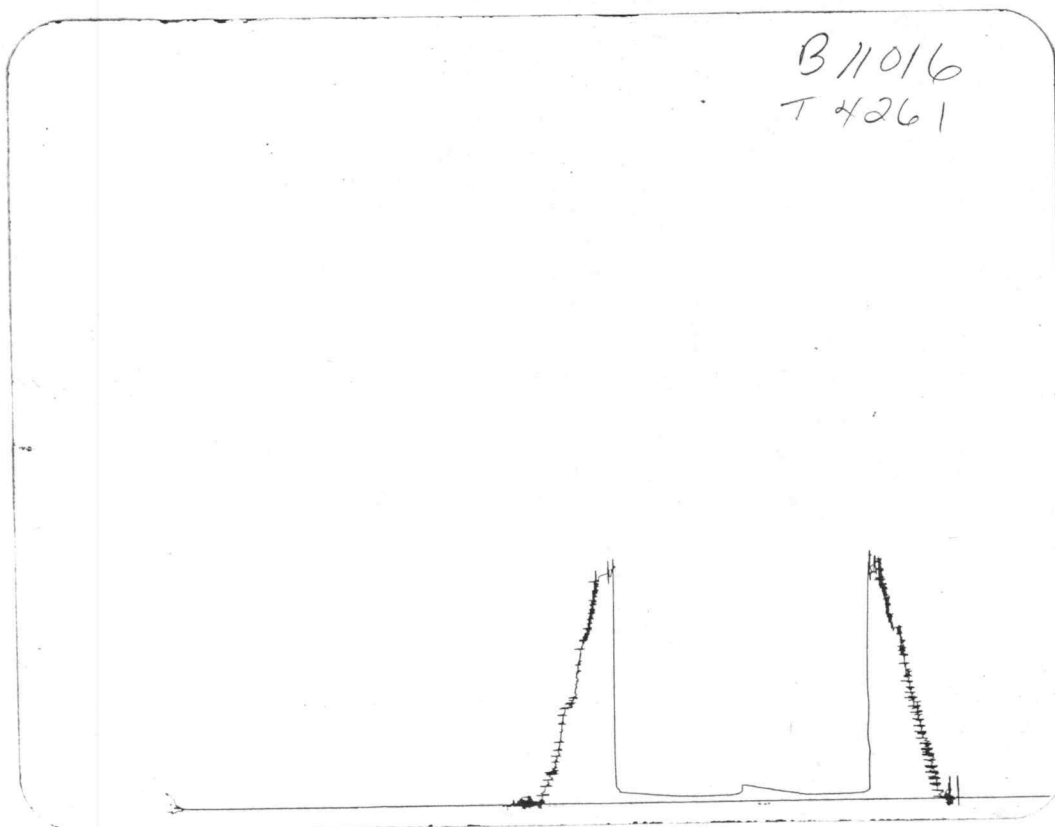
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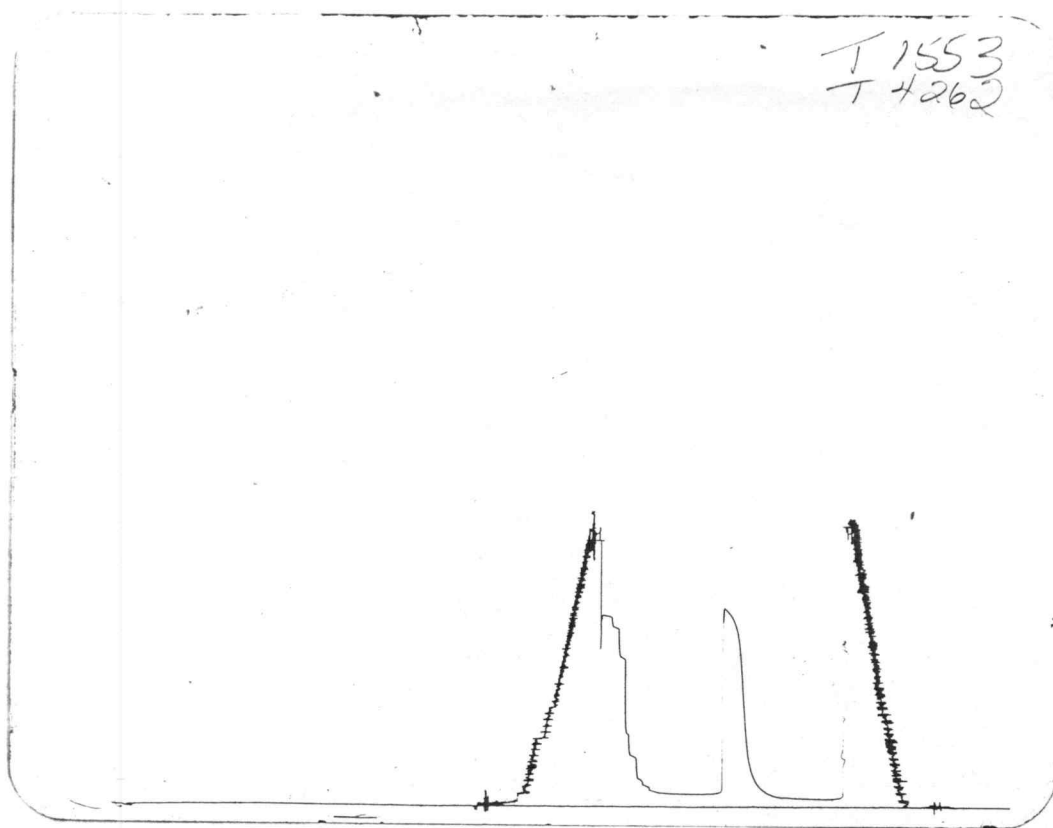
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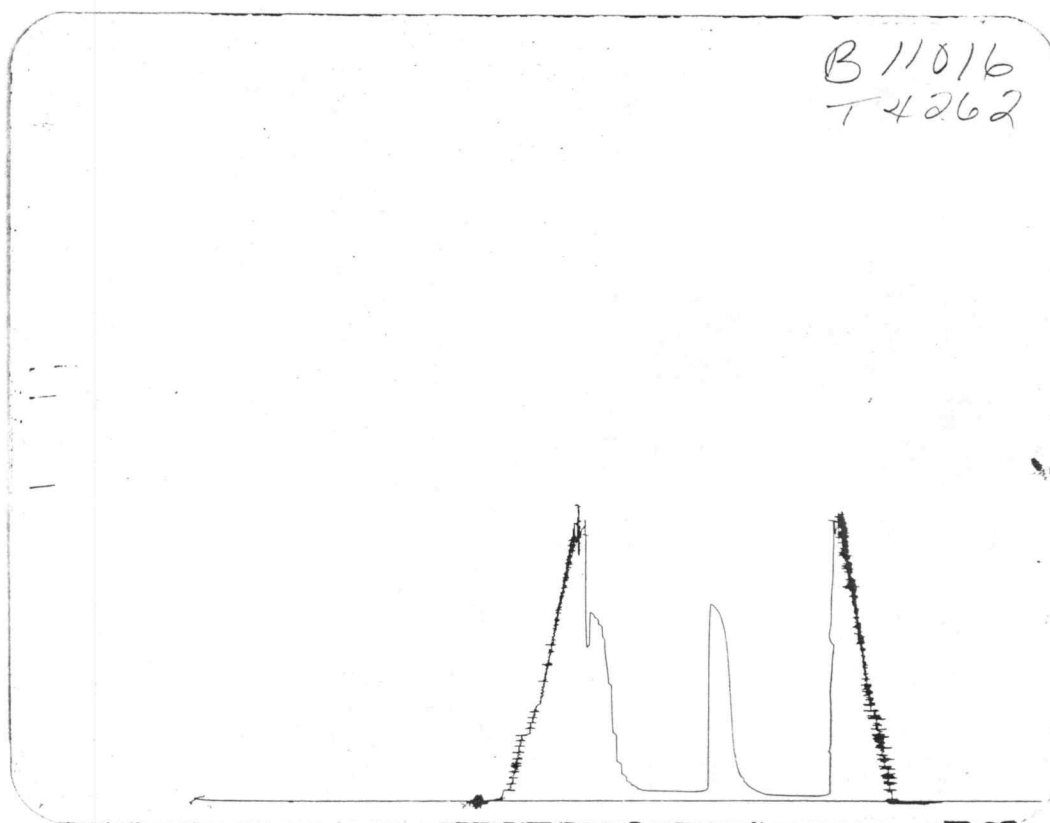
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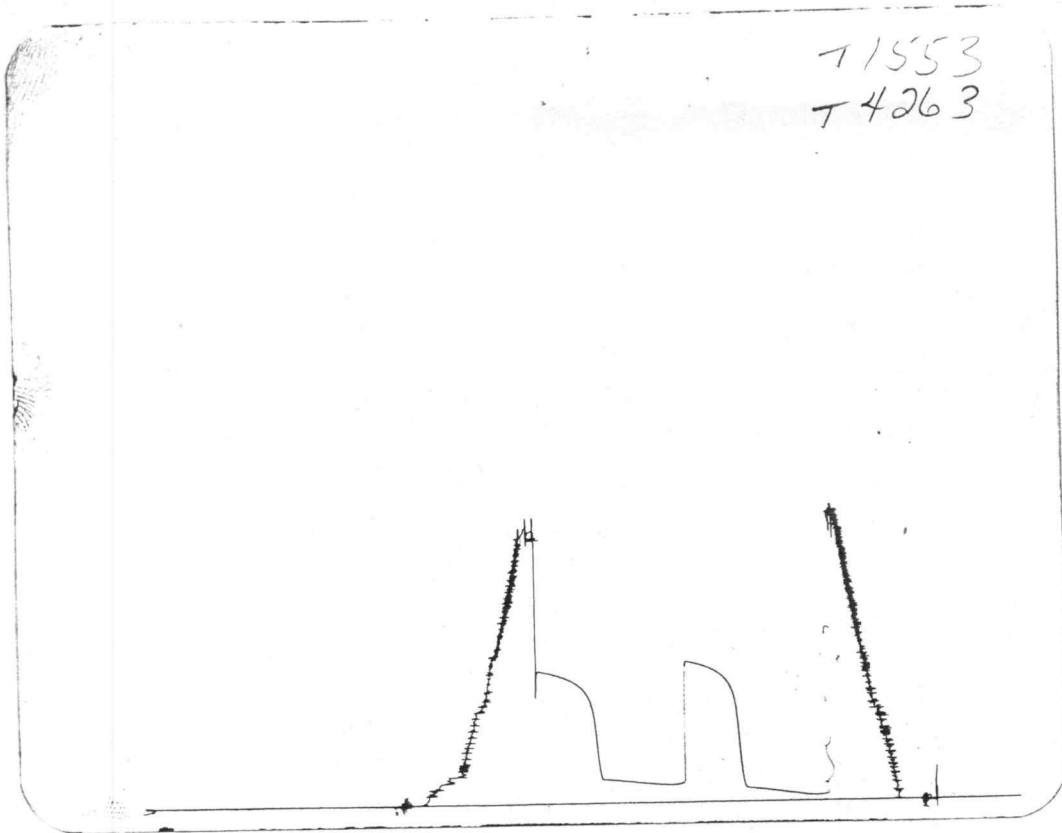


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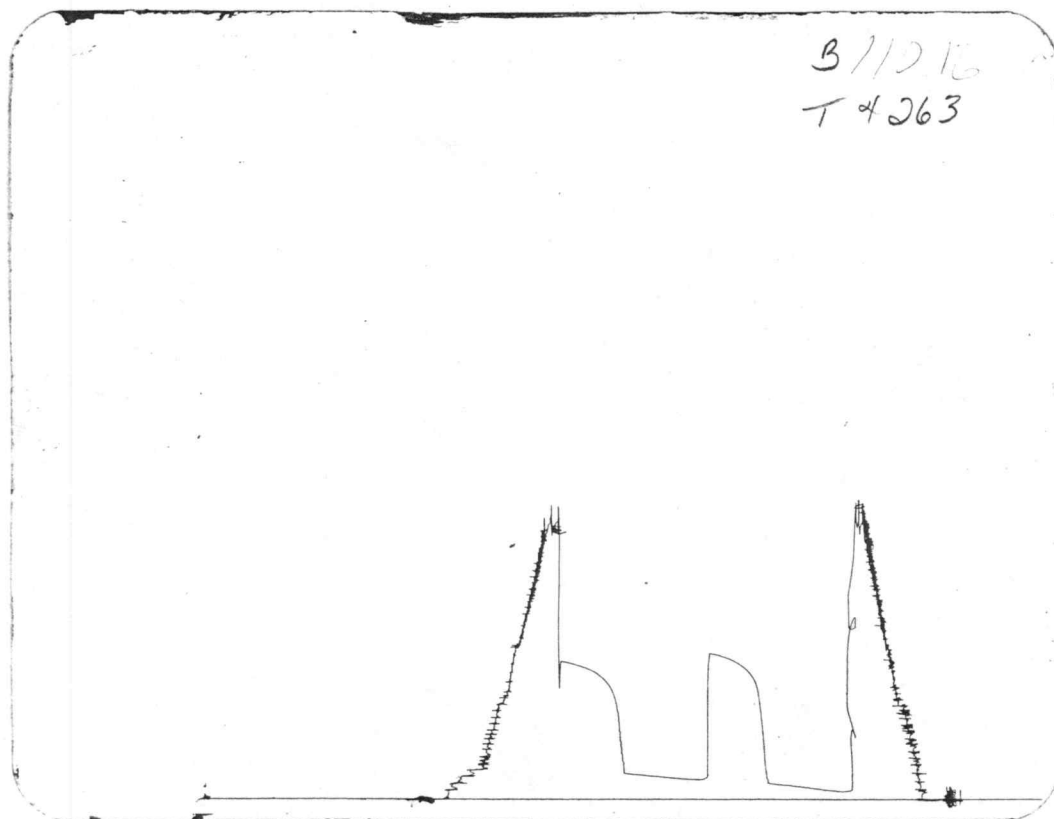
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T4263



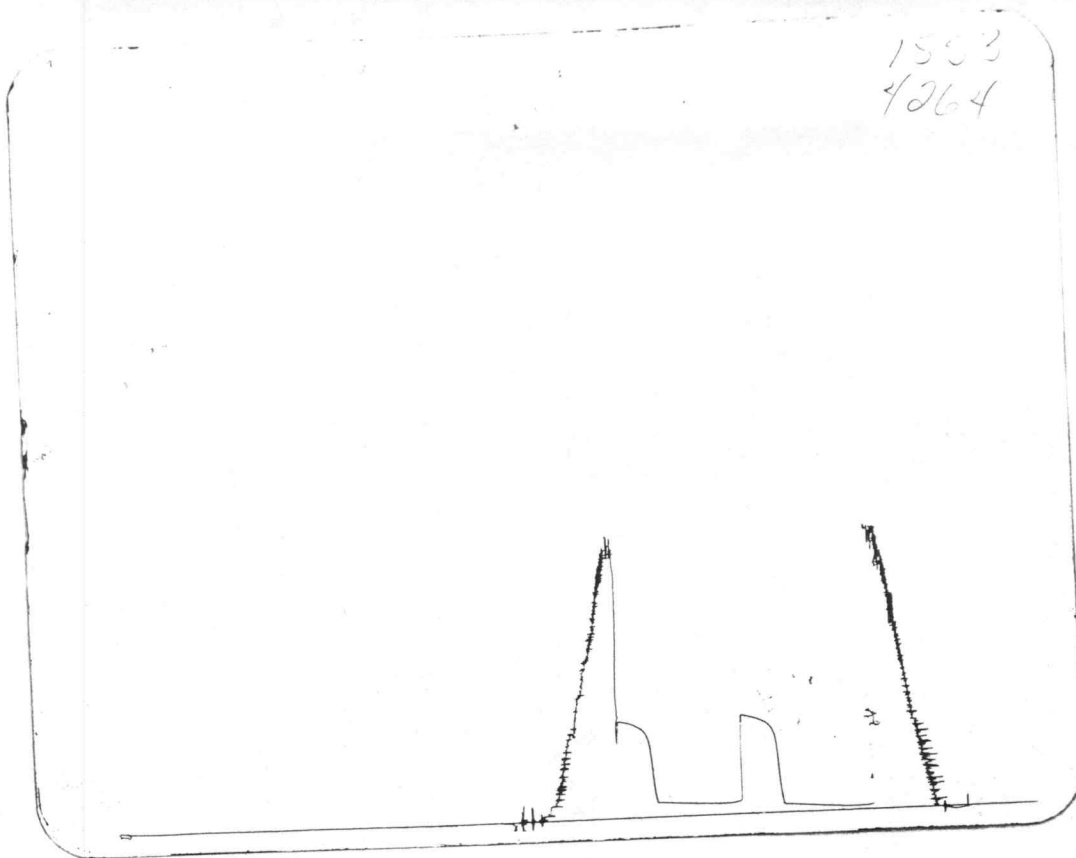
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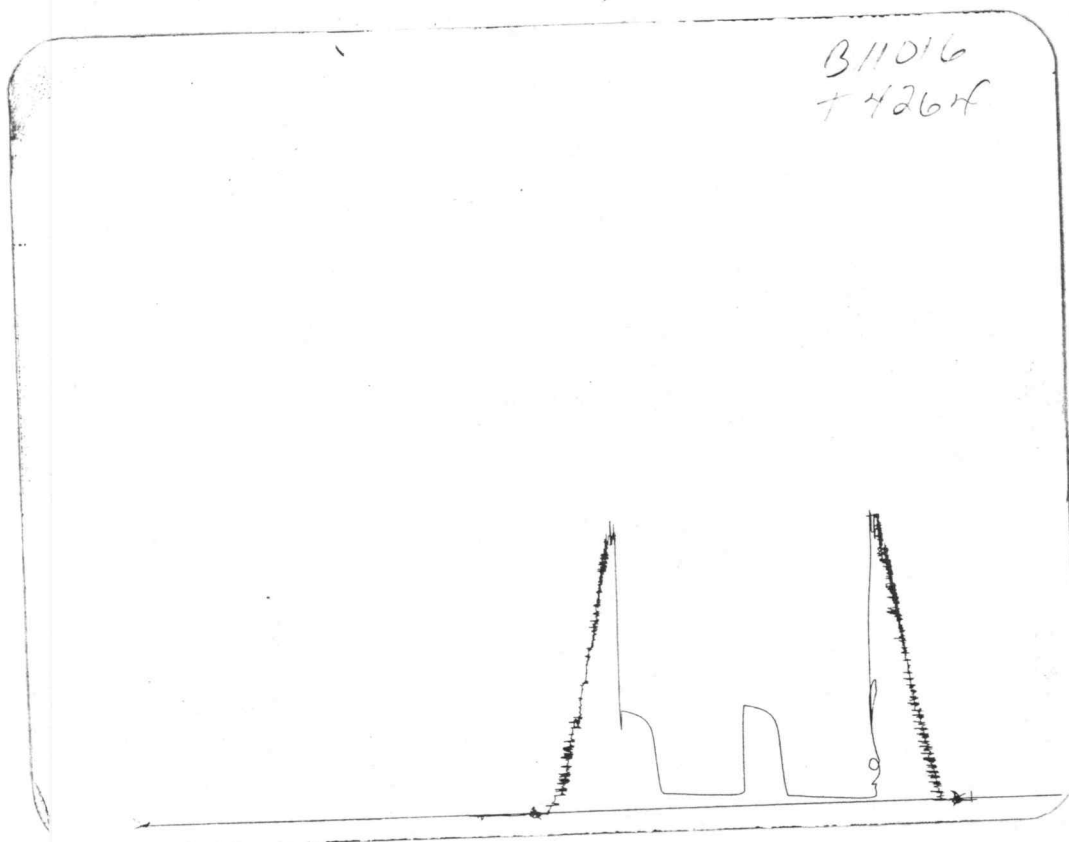
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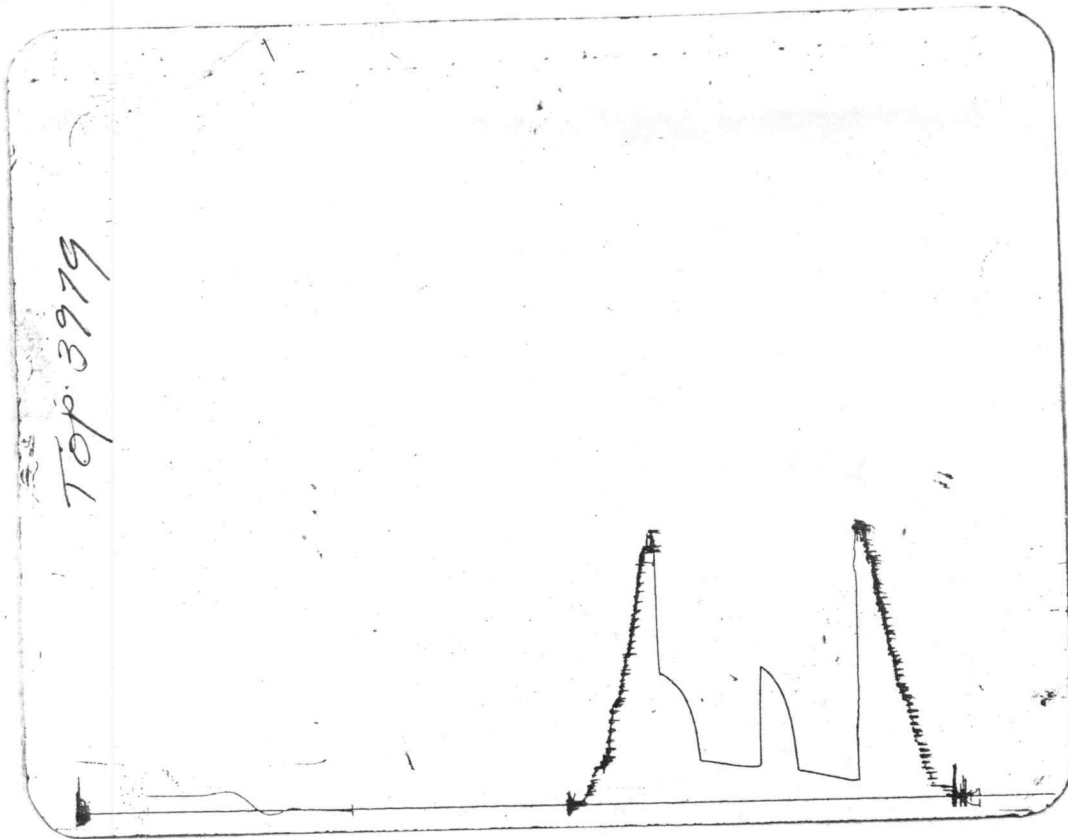


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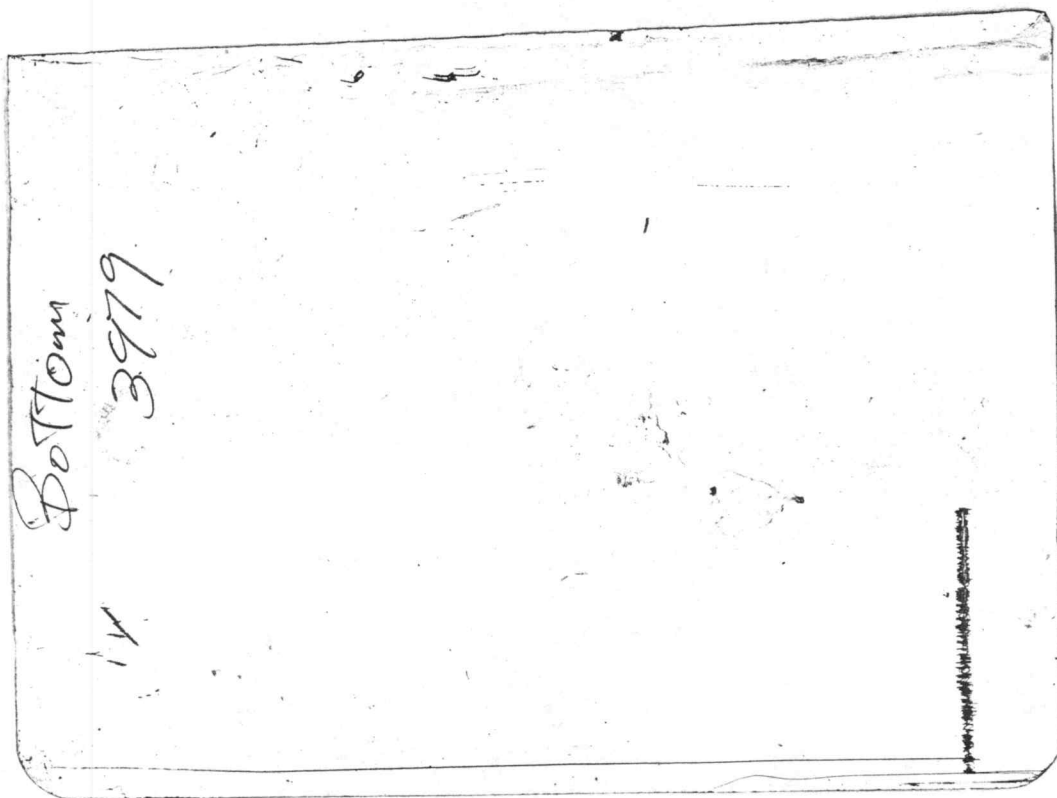
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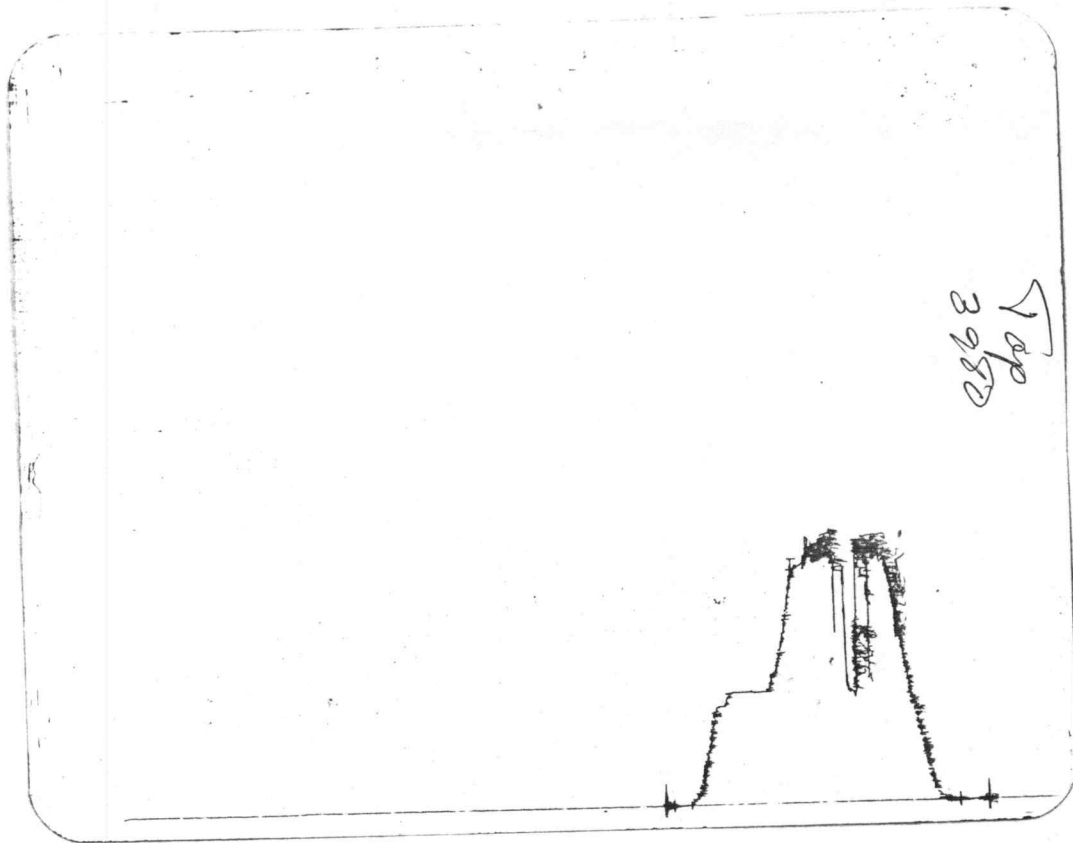
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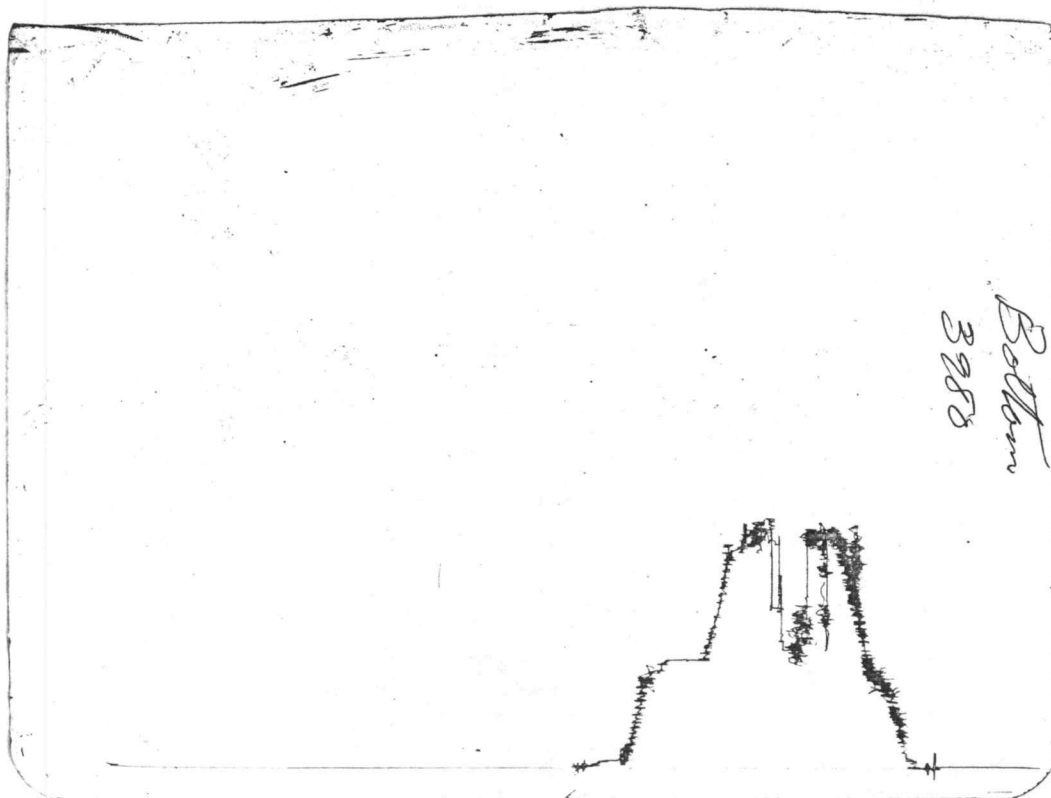
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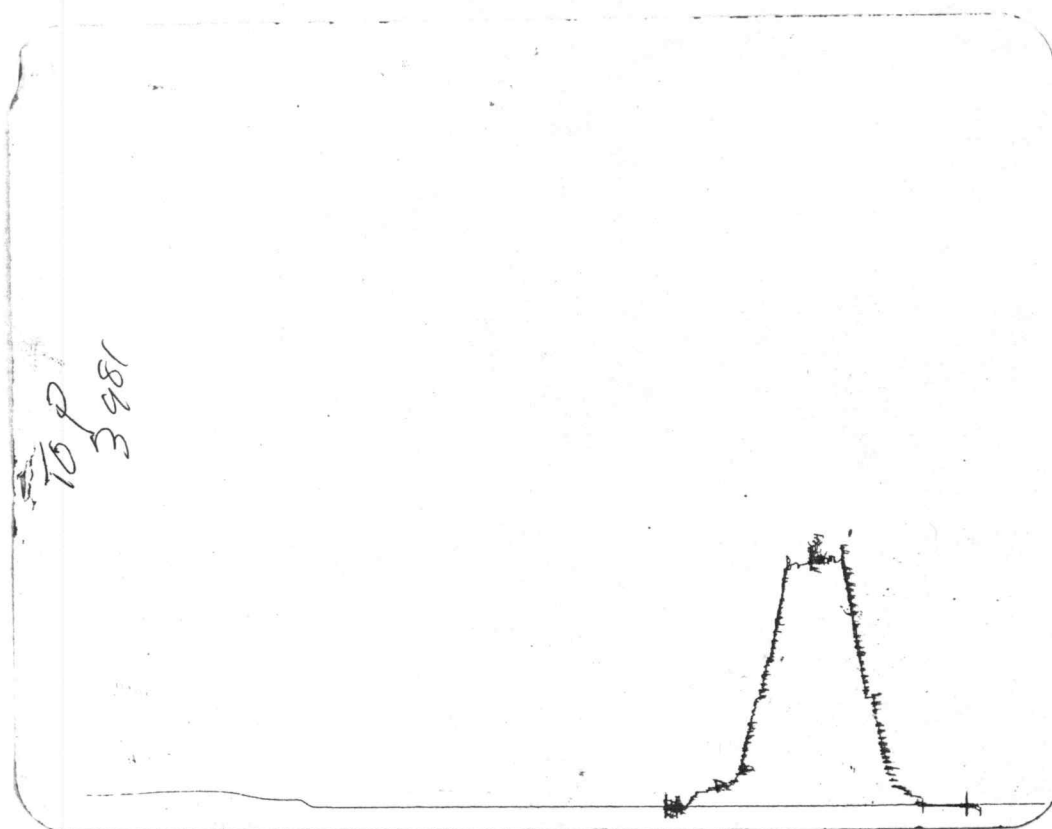
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