

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease	Nuss	Well No.	3	Date	3-8-78
County	Barton	Sec.	9	Elevation	1929 GL
		Twp.	16	Test No.	1
		Rng.	14	Zone Tested	Oread Limestone
Company	L. G. Stephenson			Ticket #	2781
Contractor	Red Tiger			Tester	Rick Bowman
Charge To	L. G. Stephenson				
Approved By	James W. Spellman				

Initial Hydro Mud Press. **1600** P.S.I.

Initial Flow Press. **54** To **43** P.S.I. Initial Flow Period **30** Min.

Initial Shut-in Press. **928** P.S.I. Initial Shut-in **30** Min.

Final Flow Press. **65** To **54** P.S.I. Final Flow Period **30** Min.

Final Shut-in Press. **873** P.S.I. Final Shut-in **30** Min.

Final Hydro Mud Press. **1514** P.S.I. TIME TOOL OPEN **8:45 P.M.**

Temperature **85**

Mud Weight **9.7** Viscosity **35**

Fluid Loss **10.4**

Interval Tested **2988** To **3017**

Top Packer Depth **2988** Surface Choke Size _____

Bottom Packer Depth **3017** Bottom Choke Size **5/8**

Total Depth **3038** Main Hole Size **7 7/8**

Drill Pipe Size _____ Wt _____ Rubber Size **6 3/4**

Drill Collar I.D. _____ Ft. Run _____

Blow **Very weak blow slowly decreasing thru-out I.F.P. F.F.P. very weak blow dead in 7 min.**

Recovery **50' Drilling Mud.**

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Lease	Nuss	Well No.	3	Date	3-9-78
County	Barton	Sec.	9	Twp.	16
		Rng.	14	Elevation	1929 GL
Company	L. G. Stephenson			Test No.	2
Contractor	Red Tiger			Zone Tested	Lansing
Charge To	L. G. Stephenson			Ticket #	2782
Approved By	James W. Spellman			Tester	Rick Bowman

Initial Hydro Mud Press. 1942 P.S.I.

Initial Flow Press. 92 To 120 P.S.I. Initial Flow Period 60 Min.

Initial Shut-in Press. 455 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 140 To 146 P.S.I. Final Flow Period 60 Min.

Final Shut-in Press. 440 P.S.I. Final Shut-in 45 Min.

Final Hydro Mud Press. 1728 P.S.I. TIME TOOL OPEN 7:20 P.M.

Temperature 92

Mud Weight 9.8 Viscosity 38

Fluid Loss 12.0

Interval Tested 3145 To 3185

Top Packer Depth 3140 Surface Choke Size _____

Bottom Packer Depth 3145 Bottom Choke Size 5/8

Total Depth 3185 Main Hole Size 7 7/8

Drill Pipe Size _____ Wt _____ Rubber Size 6 3/4

Drill Collar I.D. _____ Ft. Run _____

Blow Fair blow, 5" in bucket on I.F.P. Weak blow thru-out F.F.P. 2"

Recovery 180' Drilling mud, with dead oil flakes.

Slid 100' to T.D.

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DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease	Nuss	Well No.	3	Date	3-10-78
County	Barton	Sec.	9	Twp.	16
		Rng.	14	Elevation	1929 GL
Company	L. G. Stephenson			Test No.	3
Contractor	Red Tiger			Zone Tested	Lansing
Charge To	L. G. Stephenson			Ticket #	2783
Approved By	James Spellman			Tester	Rick Bowman

Initial Hydro Mud Press. 1760 P.S.I.

Initial Flow Press. 105 To 105 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 471 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 140 To 122 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 458 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1728 P.S.I. TIME TOOL OPEN 11:30 A.M.

Temperature 93

Mud Weight 9.9 Viscosity 42

Fluid Loss 12.0

Interval Tested 3176 To 3238

Top Packer Depth 3171 Surface Choke Size _____

Bottom Packer Depth 3176 Bottom Choke Size 5/8

Total Depth 3238 Main Hole Size 7 7/8

Drill Pipe Size _____ Wt _____ Rubber Size 6 3/4

Drill Collar I.D. _____ Ft. Run _____

Blow Weak blow, blowing intermittently 2 1/2" in bucket on I.F.P. F.F.P. weak blow thru-out, 3" in bucket.

Recovery 120' watery mud.

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Great Bend, Kansas 67530

Lease	Nuss	Well No.	3	Date	3-11-78
County	Barton	Sec.	9	Elevation	1929 GL
		Twp.	16	Test No.	4
Company	L. G. Stephenson			Zone Tested	K.C.
Contractor	Red Tiger			Ticket #	2784
Charge To	L. G. Stephenson			Tester	Rick Bowman
Approved By	James W. Spellman				

Initial Hydro Mud Press. 1878 P.S.I.

Initial Flow Press. 72 To 59 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 70 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 78 To 65 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 76 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1782 P.S.I. TIME TOOL OPEN 5:00 A.M.

Temperature 93

Mud Weight 9.9 Viscosity 42

Fluid Loss 12.0

Interval Tested 3280 To 3317

Top Packer Depth 3275 Surface Choke Size _____

Bottom Packer Depth 3280 Bottom Choke Size 5/8

Total Depth 3317 Main Hole Size 7 7/8

Drill Pipe Size _____ Wt _____ Rubber Size 6 3/4

Drill Collar I.D. _____ Ft. Run _____

Blow I.F.P. Very weak blow, dead in 17 mins. F.F.P. No blow, Flushed tool, No blow.

Recovery 15' Drilling Mud.

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Lease	Nuss	Well No.	3	Date	3-11-78	
County	Barton	Sec.	9	Twp.	16	
				Rng.	14	
Company	L. G. Stephenson				Elevation	1929 GL
Contractor	L. Red Tiger				Test No.	5
Charge To	L. G. Stephenson				Zone Tested	Arb.
Approved By	James W. Spellman				Ticket #	2785
				Tester	Rick Bowman	

Initial Hydro Mud Press. 1856 P.S.I.

Initial Flow Press. 85 To 85 P.S.I. Initial Flow Period 45 Min.

Initial Shut-in Press. 274 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 87 To 85 P.S.I. Final Flow Period 45 Min.

Final Shut-in Press. 355 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1771 P.S.I. TIME TOOL OPEN 9:50 P.M.

Temperature 92

Mud Weight 10.0 Viscosity 44

Fluid Loss 12.0

Interval Tested 3324 To 3376

Top Packer Depth 3319 Surface Choke Size _____

Bottom Packer Depth 3324 Bottom Choke Size 5/8

Total Depth 3376 Main Hole Size 7 7/8

Drill Pipe Size _____ Wt _____ Rubber Size 6 3/4

Drill Collar I.D. _____ Ft. Run _____

Blow I.F.P. Weak blow, intermittenly, 2" in bucket. F.F.P. weak blow, 2" in bucket.

Recovery 30' oil cut mud, 1" free oil

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Lease Nuss	Well No. 3	Date 3-11-78
County Barton Sec. 9 Twp. 16 Rng. 14		Elevation 1929 GL
Company L. G. Stephenson		Test No. 6
Contractor Red Tiger		Zone Tested Arb.
Charge To L. G. Stephenson		Ticket # 2786
Approved By James W. Spellman		Tester Rick Bowman

Initial Hydro Mud Press. 1820 P.S.I.

Initial Flow Press. 98 To 87 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 186 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 92 To 83 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 111 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1763 P.S.I. TIME TOOL OPEN 9:50 A.M.

Temperature 93

Mud Weight 10.0 Viscosity 44

Fluid Loss 12.0

Interval Tested 3360 To 3381

Top Packer Depth 3355 Surface Choke Size _____

Bottom Packer Depth 3360 Bottom Choke Size 5/8

Total Depth 3381 Main Hole Size 7 7/8

Drill Pipe Size _____ Wt _____ Rubber Size 6 3/4

Drill Collar I.D. _____ Ft. Run _____

Blow I.F.P. Weak blow, dead in 27 mins. F.F.P. No Blow

Recovery 45' Oil specked mud, oil on top of tool.

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DRILL STEM TEST DATA

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Lease	Nuss	Well No.	3	Date	3-12-78
County	Barton	Sec.	9	Twp.	16
		Rng.	14	Elevation	1929 GL
Company	L. G. Stephenson			Test No.	7
Contractor	Red Tiger			Zone Tested	Arb.
Charge To	L. G. Stephenson			Ticket #	2787
Approved By	James W. Spellman			Tester	Rick Bowman

Initial Hydro Mud Press. 1867 P.S.I.

Initial Flow Press. 135 To 111 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 865 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 118 To 98 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 704 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1782 P.S.I. TIME TOOL OPEN 8:25 P.M.

Temperature 93

Mud Weight 10.0 Viscosity 43

Fluid Loss 11.6

Interval Tested 3368 To 3386

Top Packer Depth 3363 Surface Choke Size _____

Bottom Packer Depth 3368 Bottom Choke Size 5/8

Total Depth 3386 Main Hole Size 7 7/8

Drill Pipe Size _____ Wt _____ Rubber Size 6 3/4

Drill Collar I.D. _____ Ft. Run _____

Blow Very weak blow, dead in 18 mins. on I,F,P. F.F.P. No Blow

Recovery 85' oil specked mud, oil on top of tool.

Slid 6' to Bottom

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County	Barton	Sec.	9	Twp.	16
		Rng.	14	Elevation	1929 GL
Company	L. G. Stephenson			Test No.	8
Contractor	Red Tiger			Zone Tested	Arb.
Charge To	L. G. Stephenson			Ticket #	2788
Approved By	James W. Spellman			Tester	Rick Bowman

Initial Hydro Mud Press. 1846 P.S.I.

Initial Flow Press. 109 To 98 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 841 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 105 To 92 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 728 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1741 P.S.I. TIME TOOL OPEN 9:15 A.M.

Temperature 93

Mud Weight 10.0 Viscosity 43

Fluid Loss 11.6

Interval Tested 3372 To 3396

Top Packer Depth 3367 Surface Choke Size _____

Bottom Packer Depth 3372 Bottom Choke Size 5/8

Total Depth 3396 Main Hole Size 7 7/8

Drill Pipe Size _____ Wt _____ Rubber Size 6 3/4

Drill Collar I.D. _____ Ft. Run _____

Blow Weak blow, dead in 21 mins. on I,F,P, F.F.P. No blow

Recovery 10' Oil cut mud, 60' oil specked gassy mud. oil on top of tool.

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County	Barton	Sec.	9	Twp.	16
		Rng.	14	Elevation	1929 GL
Company	L. G. Stephenson			Test No.	Arb.
Contractor	Red Tiger			Zone Tested	Arb.
Charge To	L. G. Stephenson			Ticket #	2789
Approved By	James W. Spellman			Tester	Rick Bowman

Initial Hydro Mud Press. 1856 P.S.I.

Initial Flow Press. 109 To 285 P.S.I. Initial Flow Period 60 Min.

Initial Shut-in Press. 1068 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 350 To 469 P.S.I. Final Flow Period 60 Min.

Final Shut-in Press. 1046 P.S.I. Final Shut-in 45 Min.

Final Hydro Mud Press. 1782 P.S.I. TIME TOOL OPEN 9:50 P.M.

Temperature 101

Mud Weight 10.0 Viscosity 41

Fluid Loss 12.0

Interval Tested 3379 To 3411

Top Packer Depth 3374 Surface Choke Size _____

Bottom Packer Depth 3379 Bottom Choke Size 5/8

Total Depth 3411 Main Hole Size 7 7/8

Drill Pipe Size _____ Wt _____ Rubber Size 6 3/4

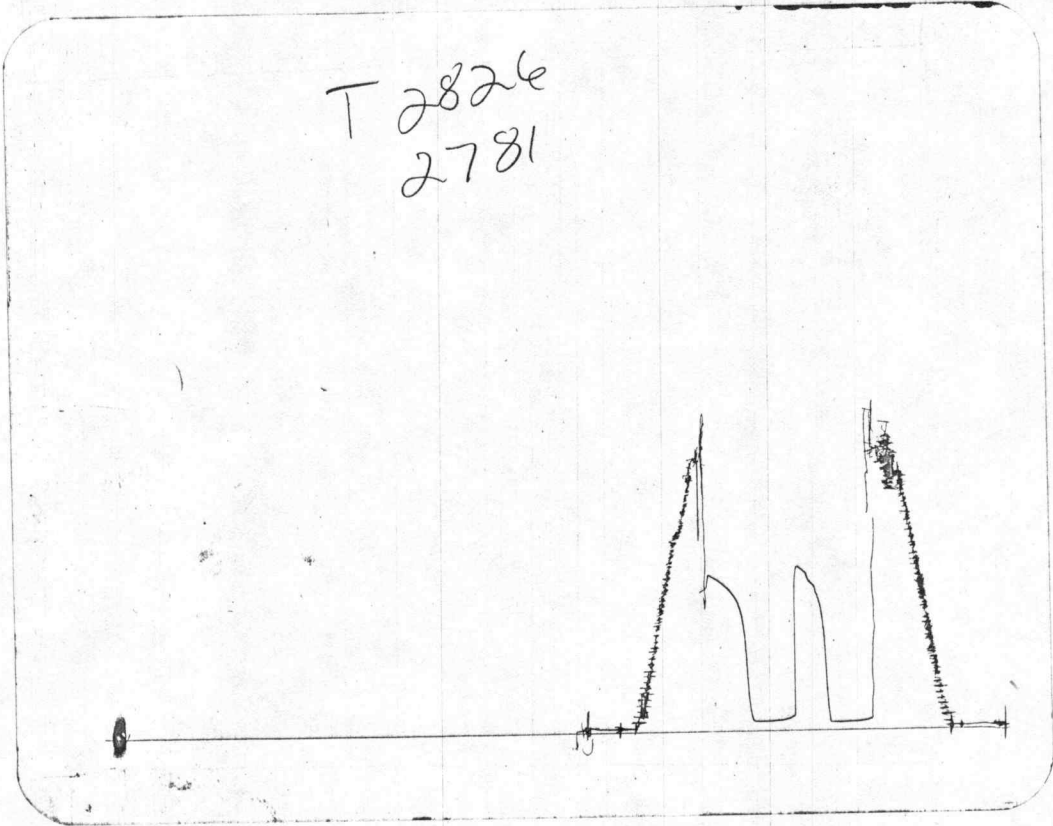
Drill Collar I.D. _____ Ft. Run _____

Blow I.F.P. Fair blow bldg. to strong 12 mins. F.F.P. good blow bldg. to strong in 4 mins.

Recovery 60' slightly oil cut gassy muddy water (less than 1% oil) 120' gassy muddy water. 720' water. 900' total fluid.

TOP

T 2826
2781



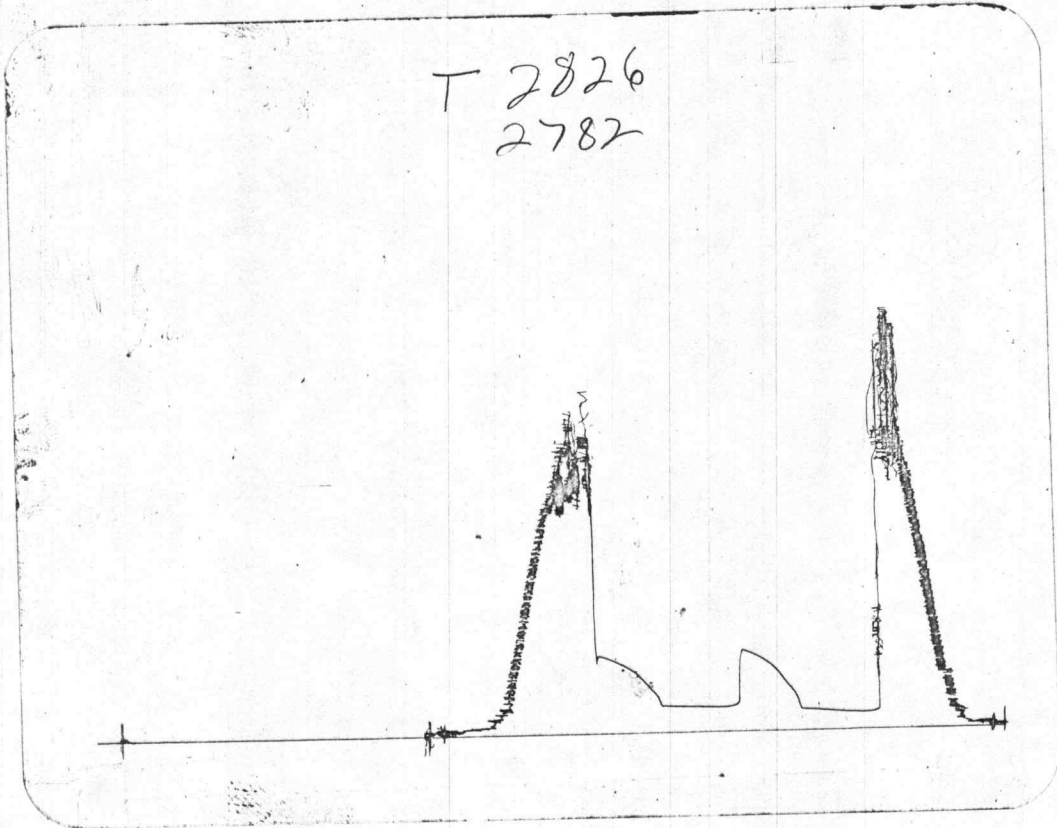
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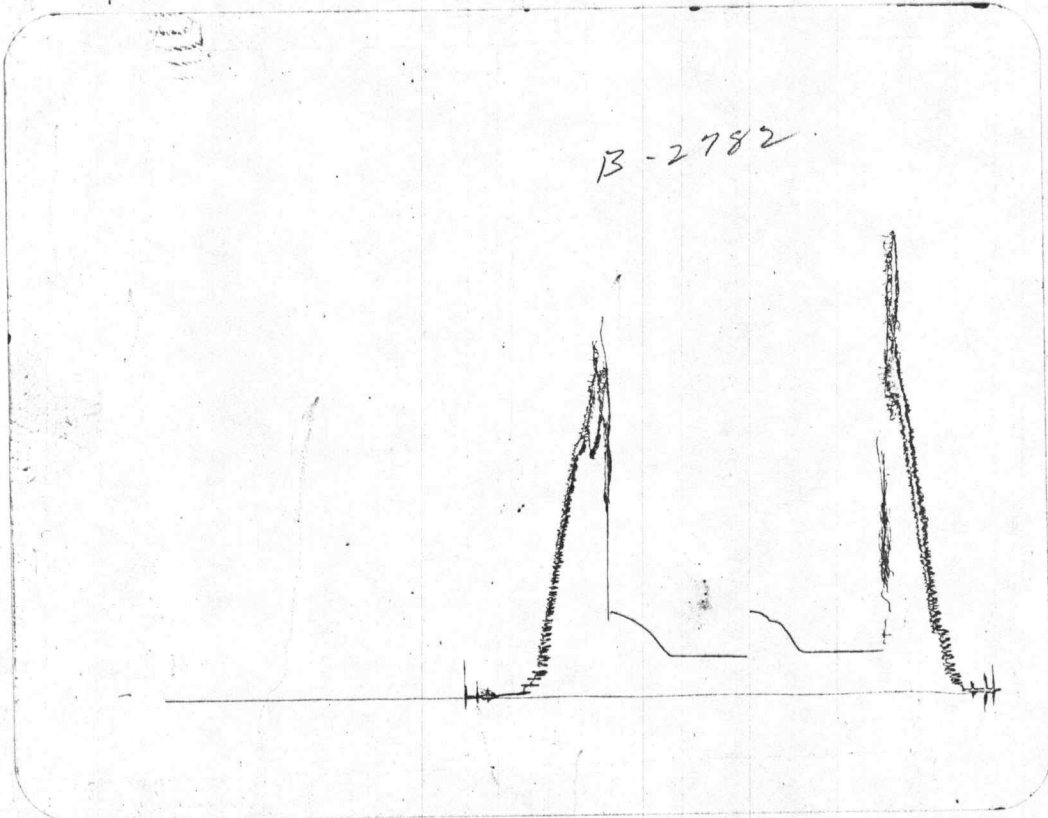
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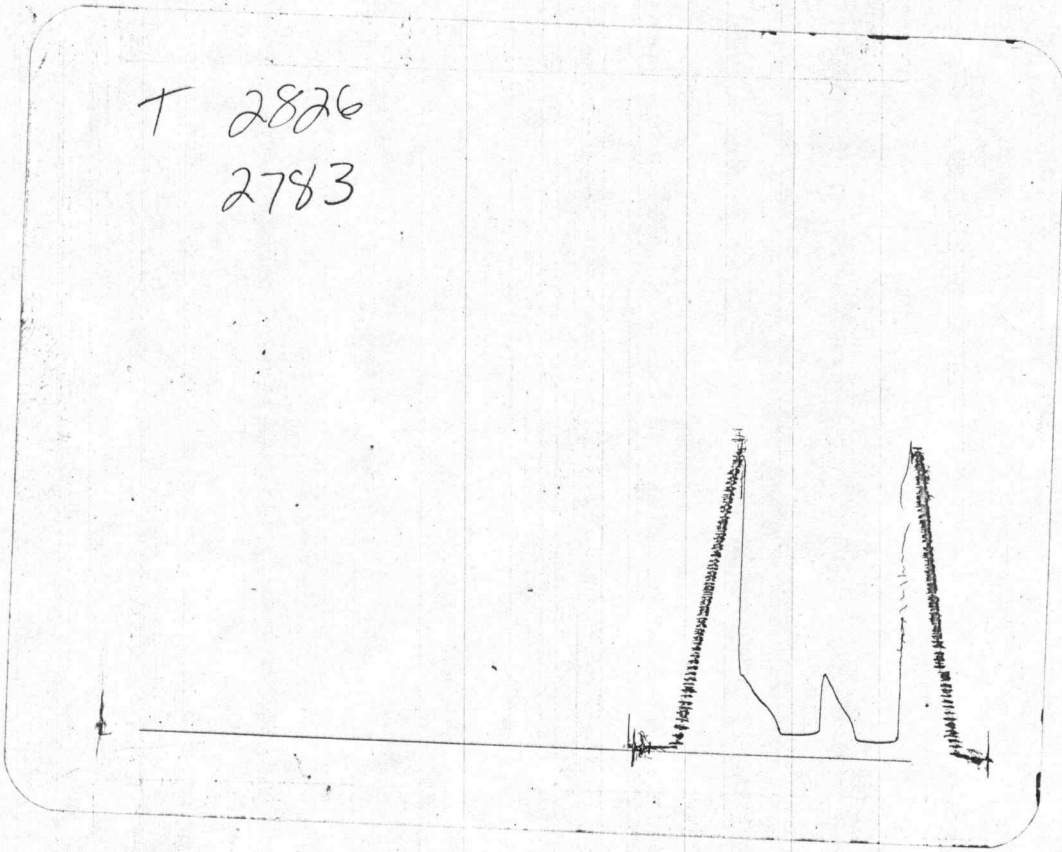
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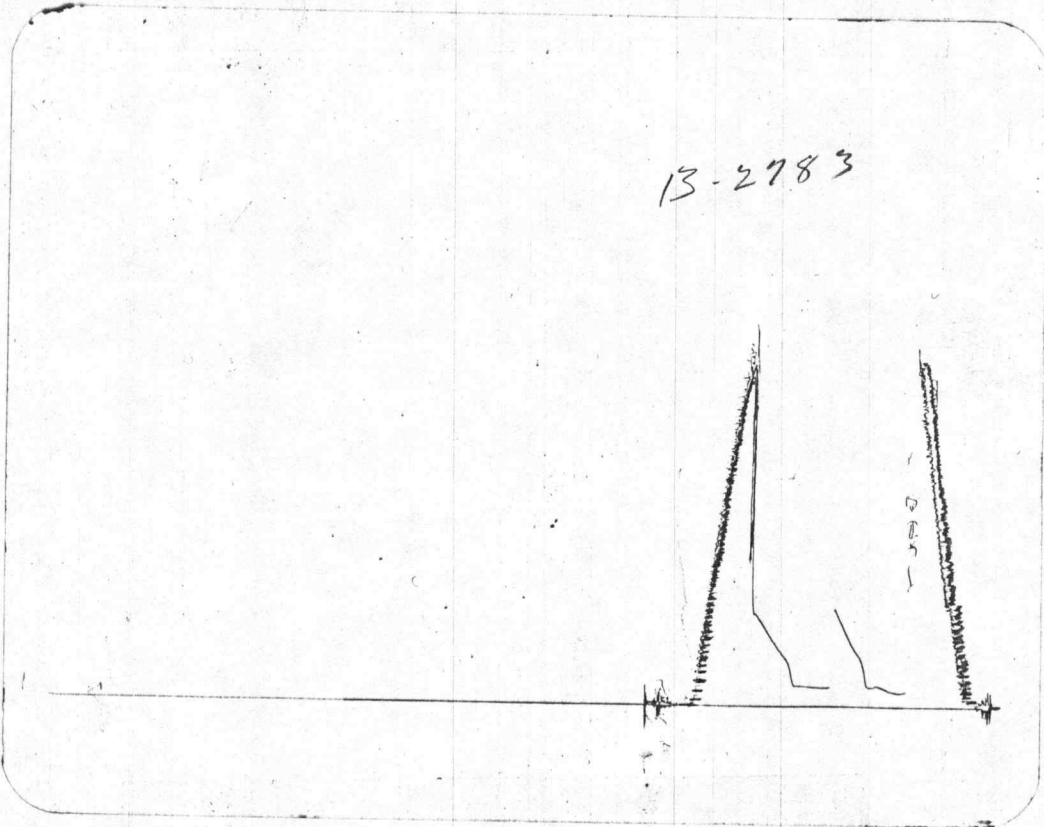
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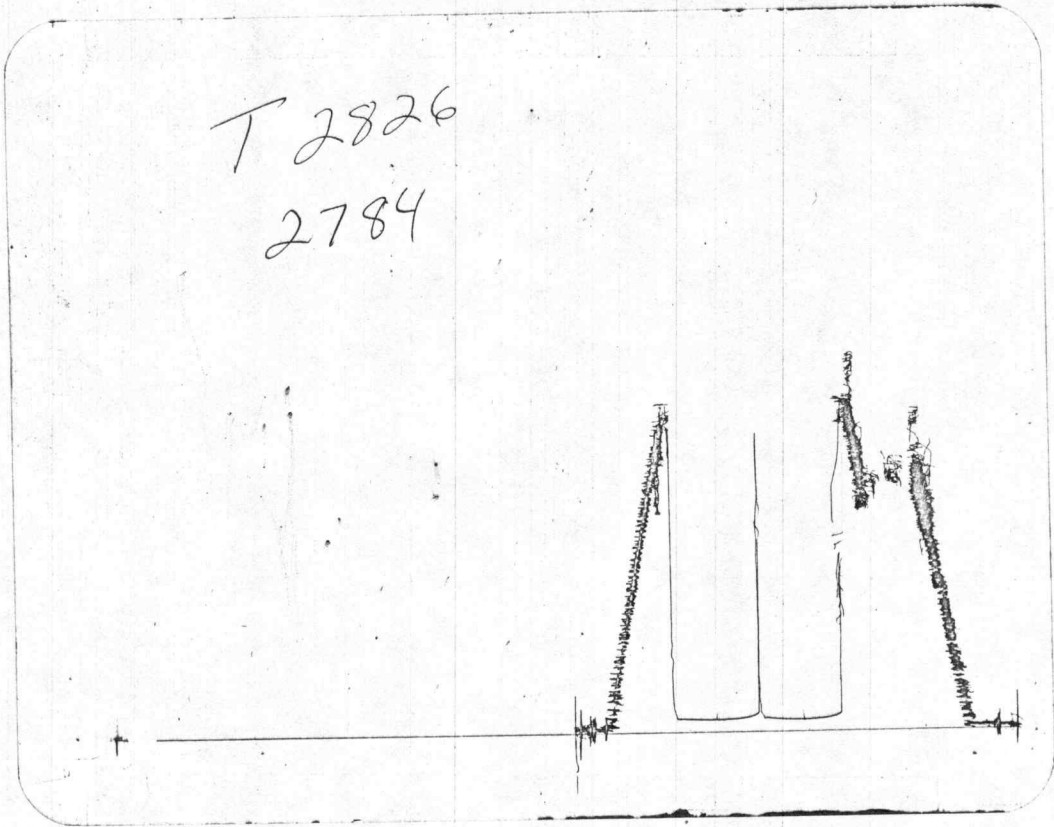
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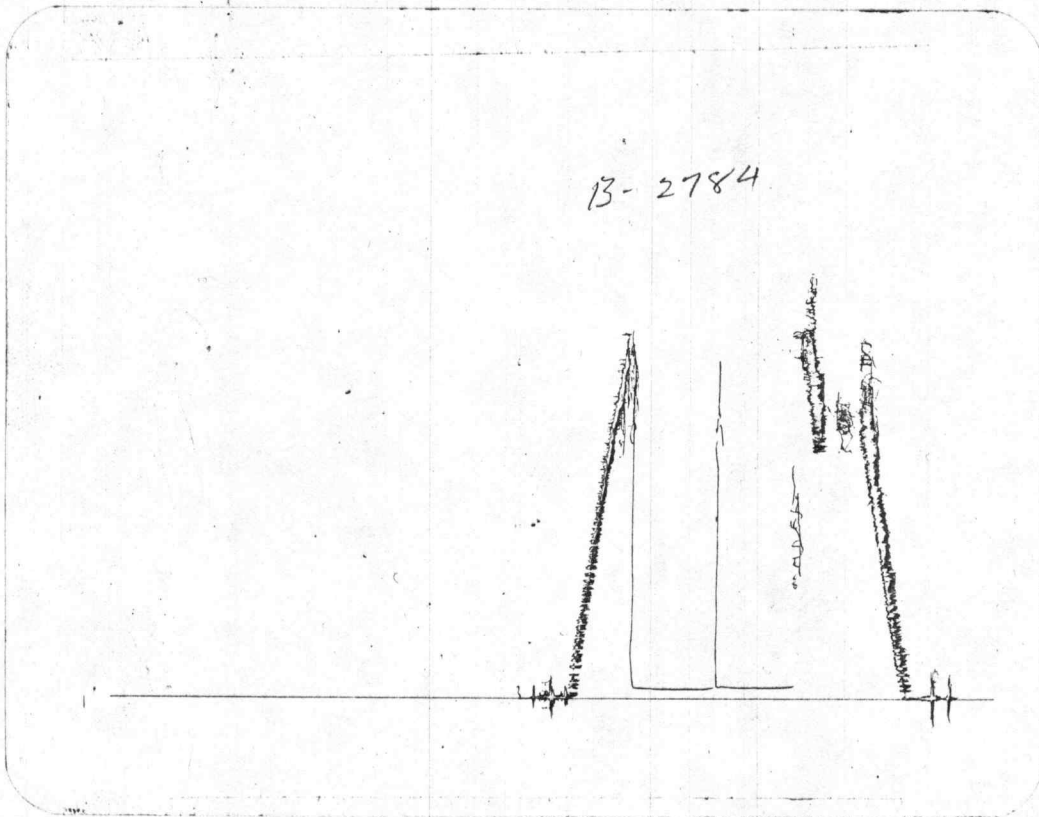
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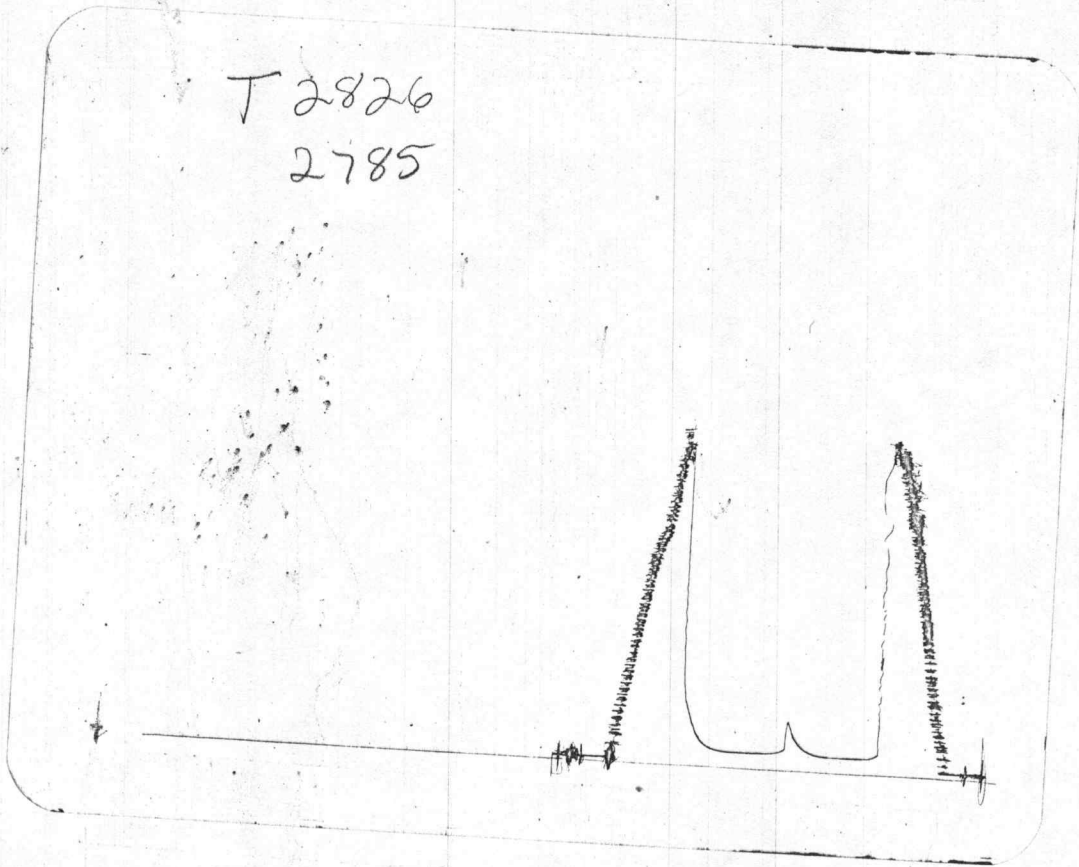


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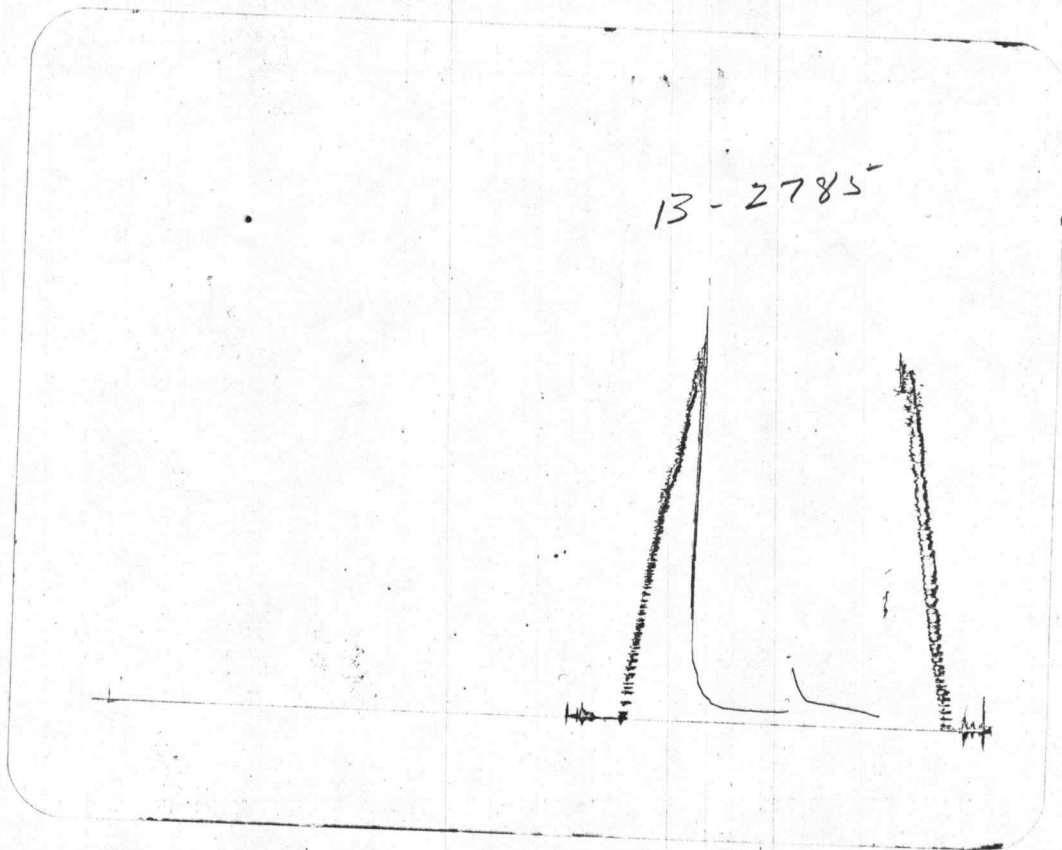
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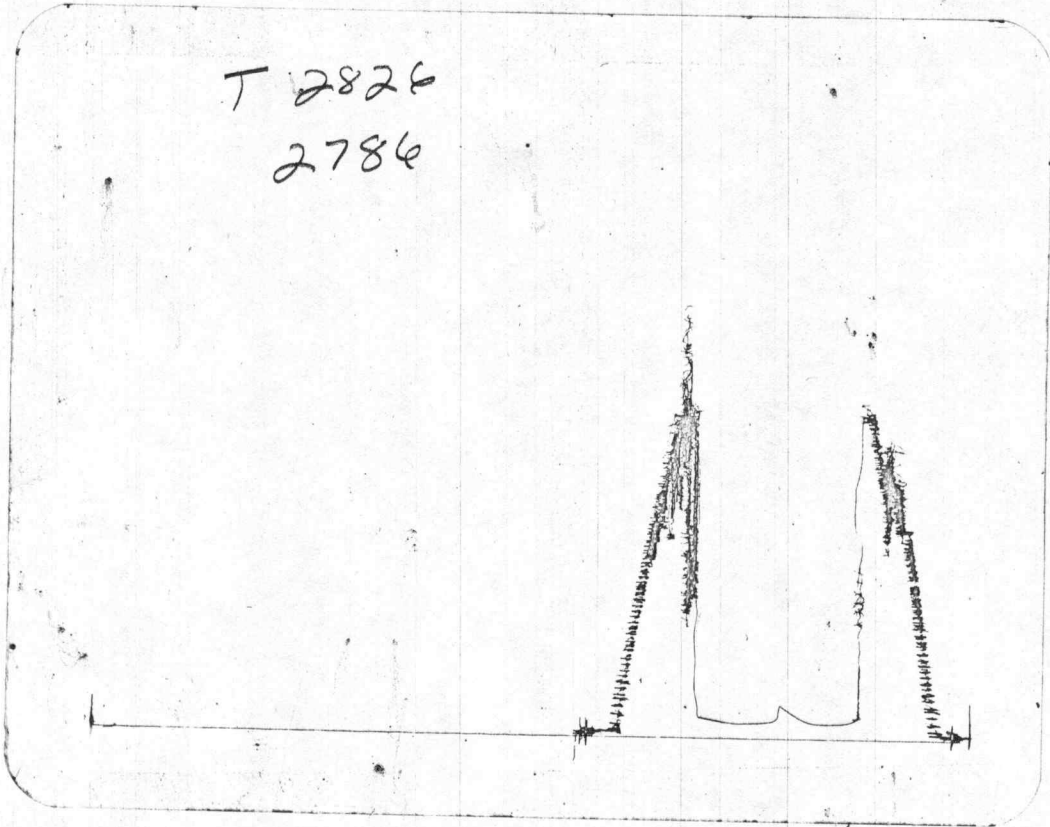


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TOP

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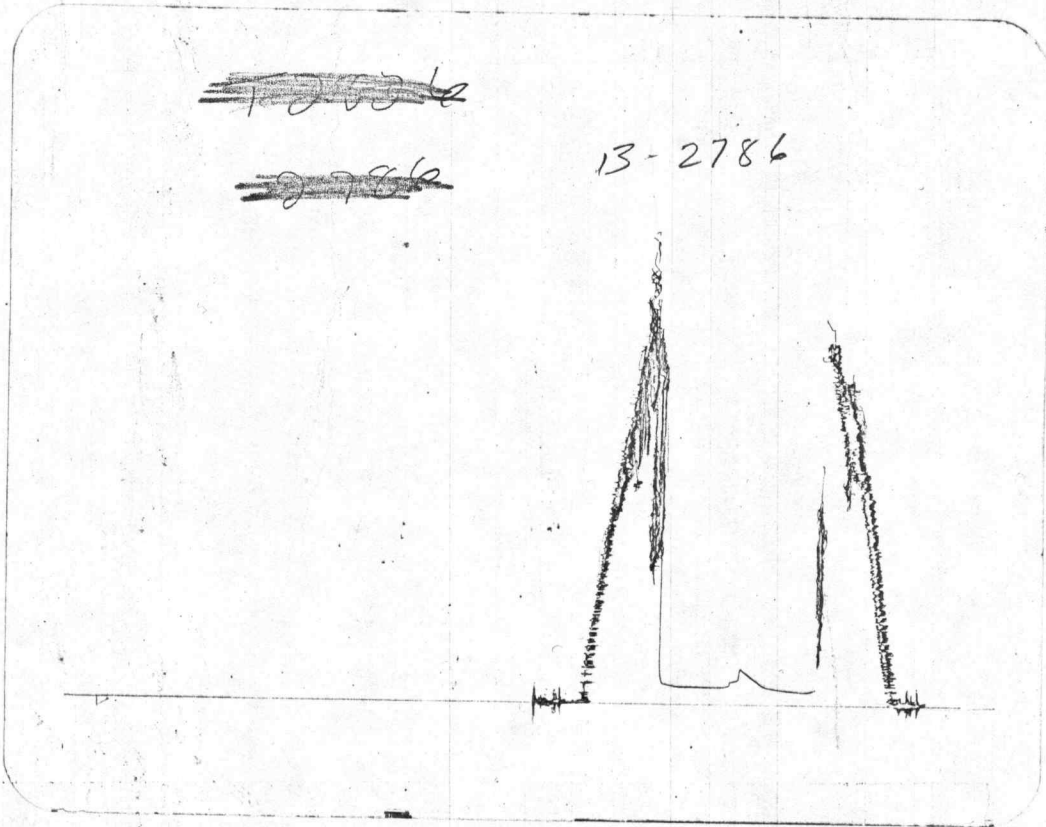


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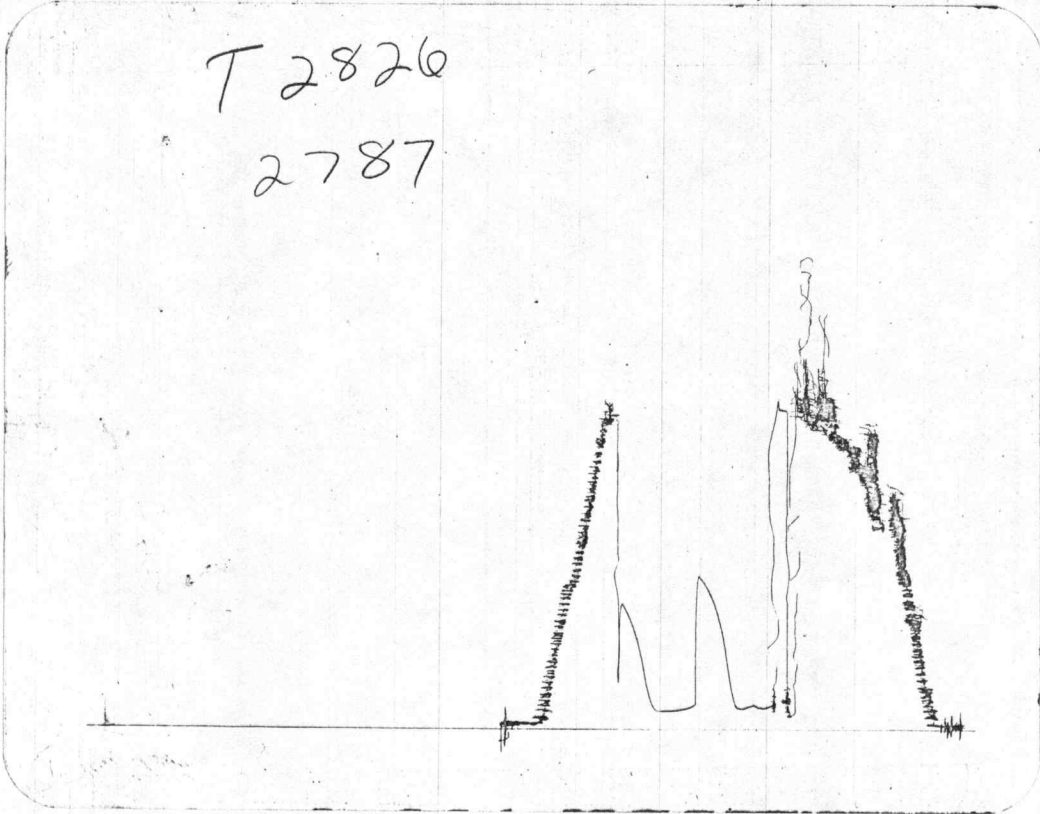
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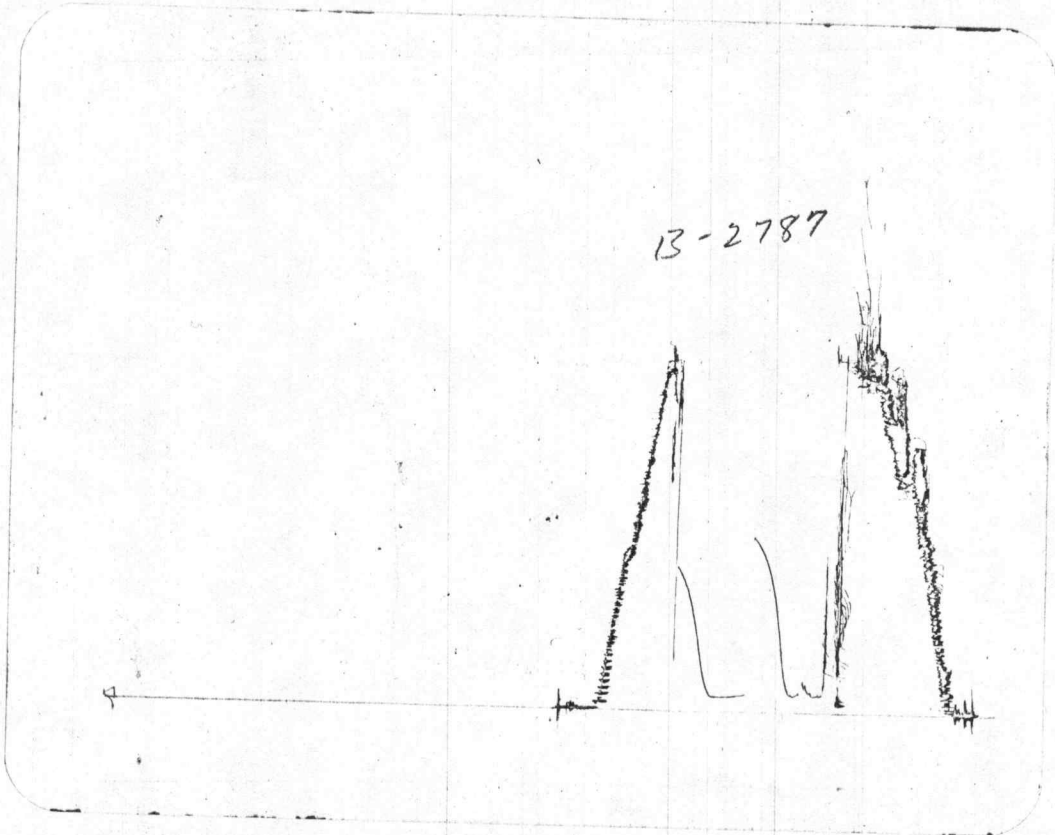
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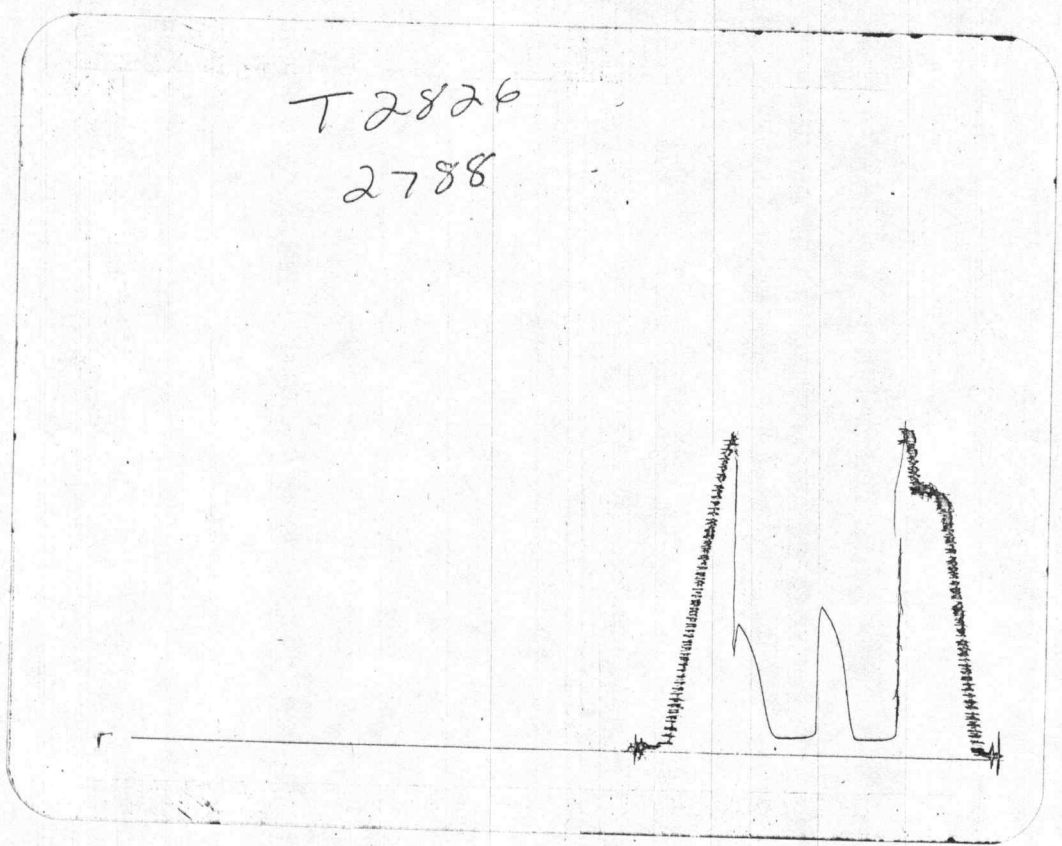
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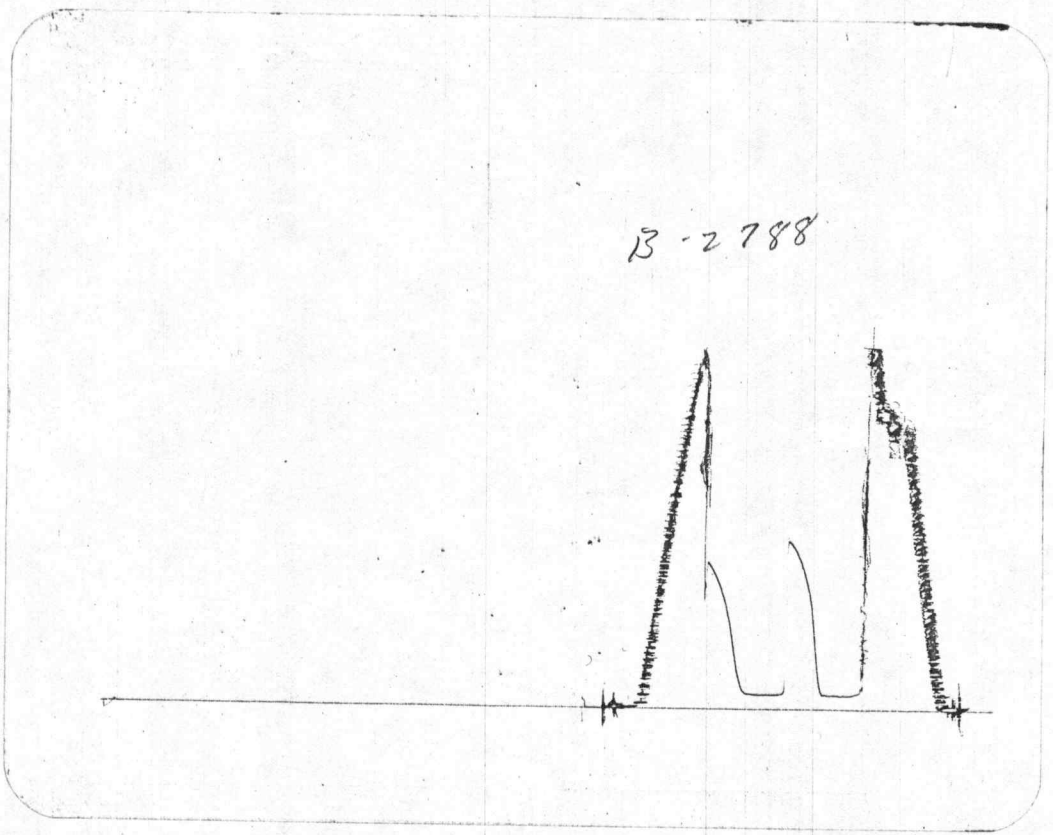
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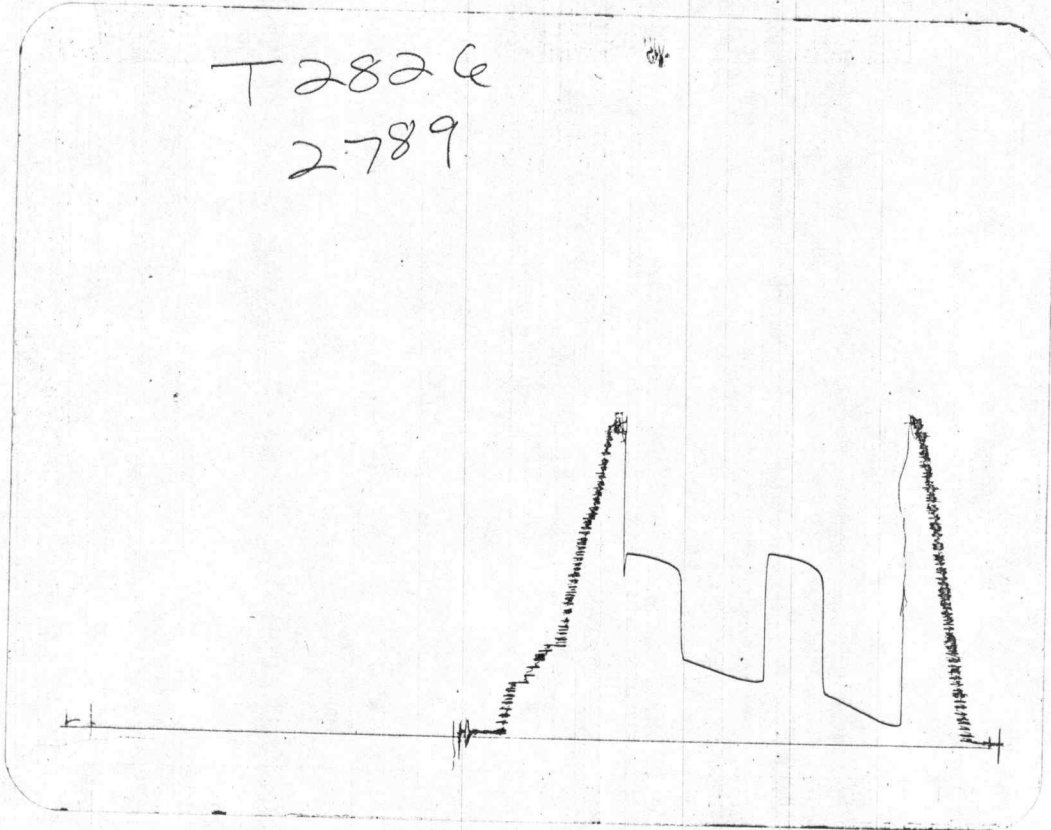
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