

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease	Button	Well No.	1	Date	8-4-77
County	Barton Sec. 13	Twp.	19	Rng.	13
Company	Forshee-L.G. Stephenson			Test No.	1
Contractor	Red Tiger Drlg.			Zone Tested	Topeka
Charge To	Forshee - L.G. Stephenson			Ticket #	2545
Approved By	James Spellman			Tester	R. Bowman

Initial Hydro Mud Press. 1638 P.S.I.

Initial Flow Press. 60 To 60 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 978 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 70 To 70 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 893 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1606 P.S.I. TIME TOOL OPEN .....

Temperature 100 .....

Mud Weight 9.8 ~~9.8~~ Viscosity 43 .....

Fluid Loss 10.0 .....

Interval Tested 2935 To 2963 .....

Top Packer Depth 2930 Surface Choke Size .....

Bottom Packer Depth 2935 Bottom Choke Size 5/8

Total Depth 2963 Main Hole Size 7 7/8

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

Drill Collar I.D. ..... Ft. Run .....

Blow Very weak, dead 13 min. into I.F.P. .....

Recovery 60' Slightly oil cut mud 100' Gas .....

Slid 8' to T.D. Oil on top of tool. .....

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Lease	Button	Well No.	1	Date	8-6-77
County	Barton Sec. 13	Twp.	19	Rng.	13
Company	Forshee-L.G. Stephenson			Test No.	2
Contractor	Red Tiger Drlg.			Zone Tested	K.C.
Charge To	Forshee-L.G. Stephenson			Ticket #	2546
Approved By	James W. Spellman			Tester	R. Bowman O17

Initial Hydro Mud Press. 1777 P.S.I.

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

Initial Shut-in Press. 63 P.S.I. Initial Shut-in 30 Min.

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

Final Shut-in Press. 63 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1735 P.S.I. TIME TOOL OPEN 5:04 A.M.

Temperature 115

Mud Weight 9.9 Viscosity 41

Fluid Loss 10.2

Interval Tested 3141 To 3185

Top Packer Depth 3136 Surface Choke Size \_\_\_\_\_

Bottom Packer Depth 3141 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 Weak thru out test

Recovery 858' gas 10' slightly oil specked mud.

Oil on top of tool

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Lease	Button	Well No.	1	Date	8-6-77
County	Barton	Sec.	13	Twp.	19
		Rng.	13	Elevation	1835
Company	Forshee-L.G. Stephenson			Test No.	3
Contractor	Red Tiger Drlg.			Zone Tested	K.C.
Charge To	Forshee-L.G. Stephenson			Ticket #	2547
Approved By	James W. Spellman			Tester	R. Bowman 017

Initial Hydro Mud Press. 681 P.S.I.

Initial Flow Press. 67 To 76 P.S.I. Initial Flow Period 60 Min.

Initial Shut-in Press. 372 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 98 To 107 P.S.I. Final Flow Period 60 Min.

Final Shut-in Press. 372 P.S.I. Final Shut-in 45 Min.

Final Hydro Mud Press. 648 P.S.I. TIME TOOL OPEN 8:45 P.M.

Temperature 116

Mud Weight 9.7 Viscosity 48

Fluid Loss 8

Interval Tested 3184 To 3221

Top Packer Depth 3179 Surface Choke Size 1/4

Bottom Packer Depth 3184 Bottom Choke Size 5/8

Total Depth 3221 Main Hole Size 7 7/8

Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow Very strong thru out test Gas to surface in 75 min. Measured 14,7000

Recovery 70' very slight oil cut mud. Slid 7' to T.D.

# Sun Oil Well Cementing, Inc.

# DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease	Button	Well No.	1	Date	8-8-77
County	Barton	Sec.	13	Twp.	19
		Rng.	13	Elevation	1835
Company	Forshee - L.G. Stephenson			Test No.	4
Contractor	Red Tiger Drlg.			Zone Tested	K.C.
Charge To	Forshee - L.G. Stephenson			Ticket #	2548
Approved By	James W. Spellman			Tester	R. Bowman 017

Initial Hydro Mud Press. 1831 P.S.I.

Initial Flow Press. 48 To 48 P.S.I. Initial Flow Period 60 Min.

Initial Shut-in Press. 72 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 46 To 48 P.S.I. Final Flow Period 40 Min.

Final Shut-in Press. 65 P.S.I. Final Shut-in 45 Min.

Final Hydro Mud Press. 1799 P.S.I. TIME TOOL OPEN 1:37 A.M.

Temperature 117

Mud Weight 9.6 Viscosity 41

Fluid Loss 6.2

Interval Tested 3295 To 3328

Top Packer Depth 3290 Surface Choke Size \_\_\_\_\_

Bottom Packer Depth 3295 Bottom Choke Size 5/8

Total Depth 3328 Main Hole Size 7 7/8

Drill Pipe Size \_\_\_\_\_ Wt \_\_\_\_\_ Rubber Size 6 3/4

Drill Collar I.D. \_\_\_\_\_ Ft. Run \_\_\_\_\_

Blow Weak, Dead 37 min. into F.F.P.

Recovery 15' oil specked mud. Oil on top of tool.

# Sun Oil Well Cementing, Inc.

# DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease	Button	Well No.	1	Date	8-9-77
County	Barton	Sec.	13	Twp.	19
		Rng.	13	Elevation	1835
Company	Forhsee - L.G. Stephenson			Test No.	5
Contractor	Red Tiger Drlg.			Zone Tested	Arb.
Charge To	Forshhe - L.G. Stephenson			Ticket #	2549
Approved By	James W. Spellman			Tester	R. Bowman 017

Initial Hydro Mud Press. 1873 P.S.I.

Initial Flow Press. 54 To 50 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 475 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 50 To 50 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 383 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1841 P.S.I. TIME TOOL OPEN 2:35 A.M.

Temperature 120

Mud Weight 9.7 Viscosity 36

Fluid Loss 14.2

Interval Tested 3382 To 3415

Top Packer Depth 3372 Surface Choke Size \_\_\_\_\_

Bottom Packer Depth 3377 Bottom Choke Size 5/8

Total Depth 3415 Main Hole Size 7 7/8

Drill Pipe Size \_\_\_\_\_ Wt \_\_\_\_\_ Rubber Size 6 3/4

Drill Collar I.D. \_\_\_\_\_ Ft. Run \_\_\_\_\_

Blow Weak, Dead 11 min. into I.F.P.

Recovery 15' slightly oil cut mud. Oil on top of tool.

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Lease	Button	Well No.	1	Date	8-9-77
County	Barton	Sec.	13	Twp.	19
		Rng.	13	Elevation	1835
Company	Forshee - L.G. Stephenson			Test No.	6
Contractor	Red Tiger Drlg.			Zone Tested	Arb.
Charge To	Forshee - L.G. Stephenson			Ticket #	2550
Approved By	James W. Spellman			Tester	R. Bowman 017

Initial Hydro Mud Press. 1873 P.S.I.

Initial Flow Press. 67 To 76 P.S.I. Initial Flow Period 45 Min.

Initial Shut-in Press. 908 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 76 To 76 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 865 P.S.I. Final Shut-in 45 Min.

Final Hydro Mud Press. 1841 P.S.I. TIME TOOL OPEN 3:15 P.M.

Temperature 125

Mud Weight 9.7 Viscosity 41

Fluid Loss 6.8

Interval Tested 3400 To 3425

Top Packer Depth 3395 Surface Choke Size

Bottom Packer Depth 3400 Bottom Choke Size 5/8

Total Depth 3425 Main Hole Size 7 7/8

Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. Ft. Run

Blow Weak, dead 43 min. into I.F.P.

Recovery 67' slightly oil specked mud. Slight show of water (5% water)

Slid 8' To T.D.

# Sun Oil Well Cementing, Inc.

# DRILL STEM TEST DATA

P.O. Box 169

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Lease	Button	Well No.	1	Date	8-10-77
County	Barton	Sec.	13	Twp.	19
		Rng.	13	Elevation	1835
Company	Forshee - L.G. Stephenson			Test No.	7
Contractor	Red Tiger Drlg.			Zone Tested	Arb.
Charge To	Forshee - L.G. Stephenson			Ticket #	2551
Approved By	James W. Spellman			Tester	R. Bowman 017

Initial Hydro Mud Press. 1916 P.S.I.

Initial Flow Press. 76 To 175 P.S.I. Initial Flow Period 45 Min.

Initial Shut-in Press. 1034 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 225 To 280 P.S.I. Final Flow Period 45 Min.

Final Shut-in Press. 1008 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1895 P.S.I. TIME TOOL OPEN .....

Temperature 125

Mud Weight 9.2 Viscosity 43

Fluid Loss 6.8

Interval Tested 3430 To 3455

Top Packer Depth 3425 Surface Choke Size .....

Bottom Packer Depth 3430 Bottom Choke Size 5/8

Total Depth 3455 Main Hole Size 7 7/8

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

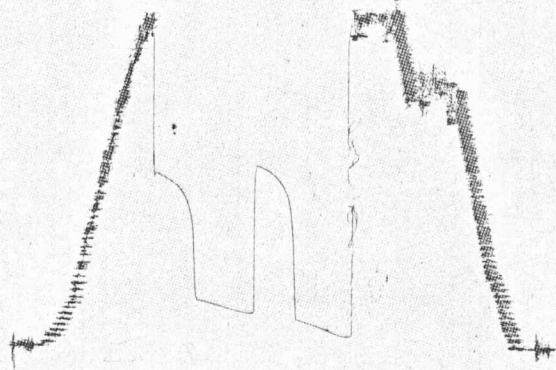
Drill Collar I.D. .... Ft. Run .....

Blow Good, building to strong in 19 min. strong thru-out test of test.

Recovery 122' muddy water (90% water)  
434' water  
556' Fluid

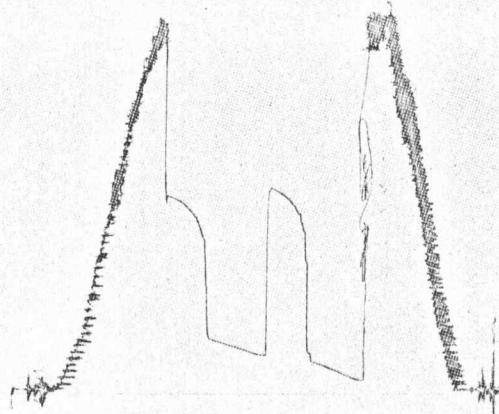
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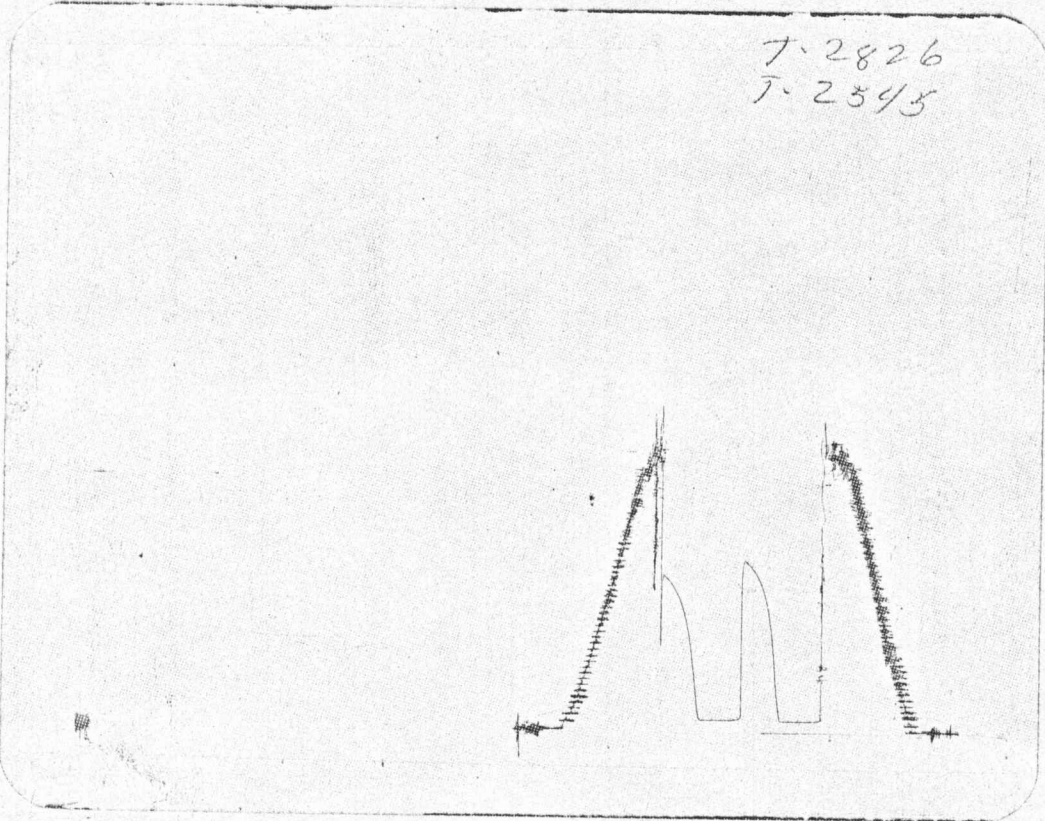
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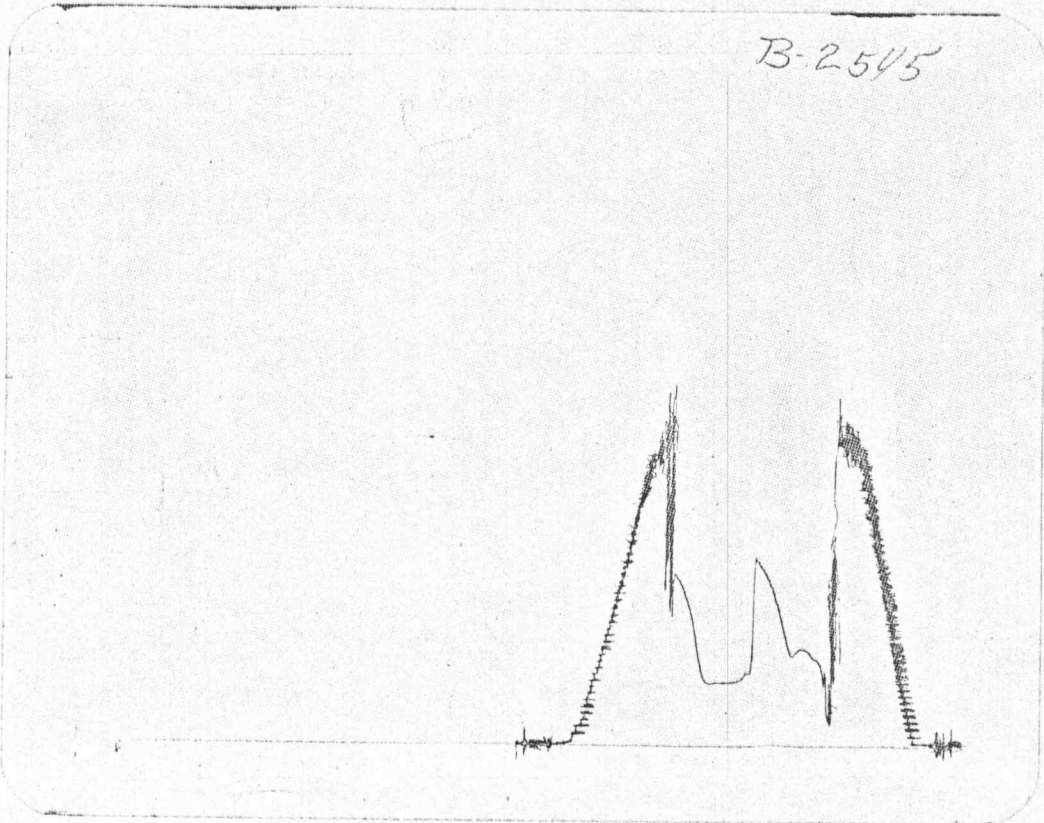
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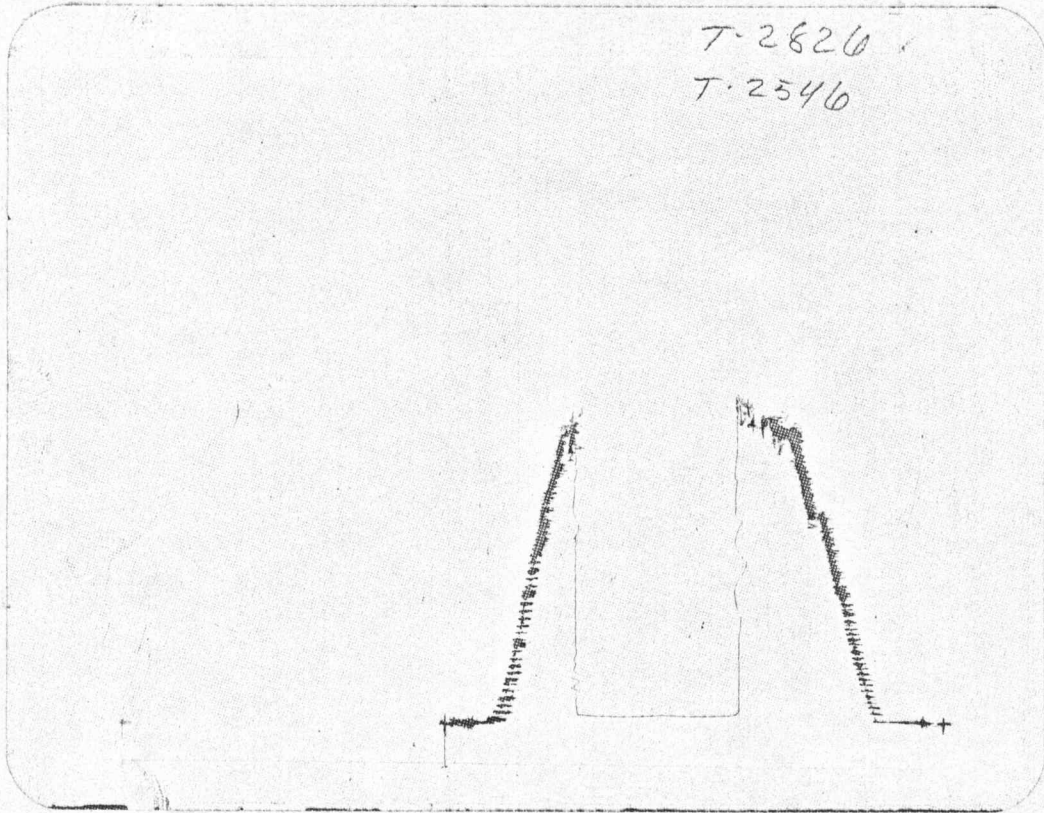


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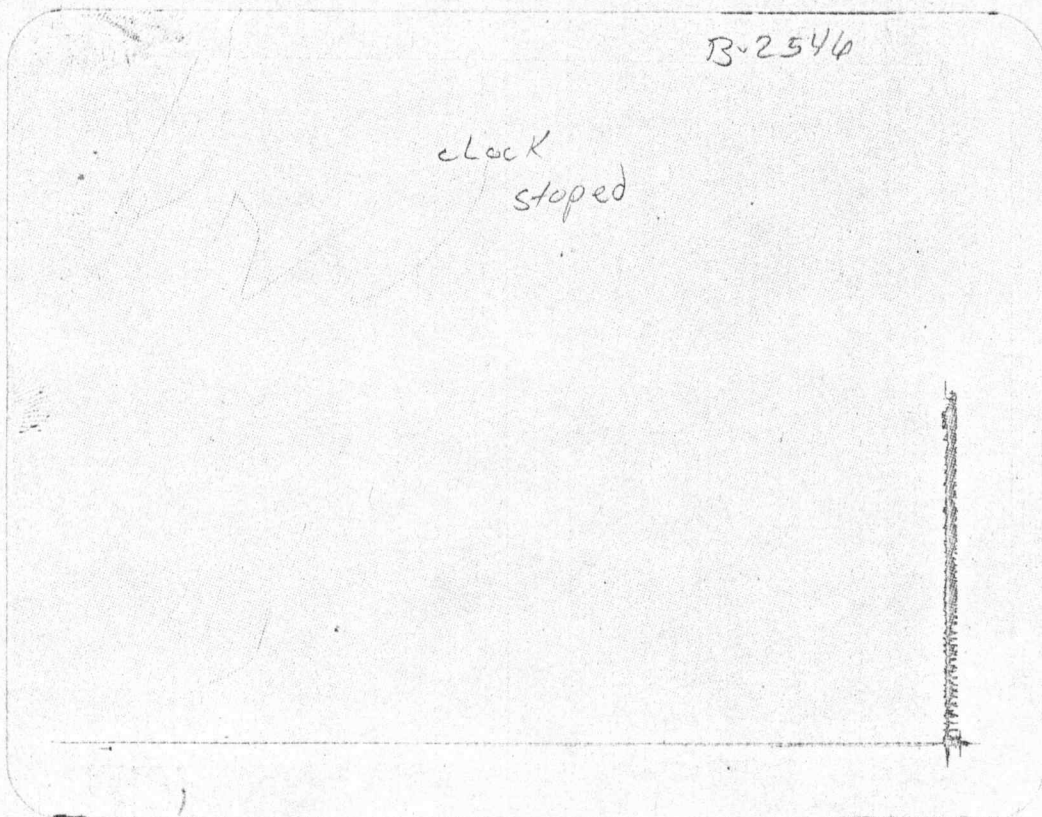
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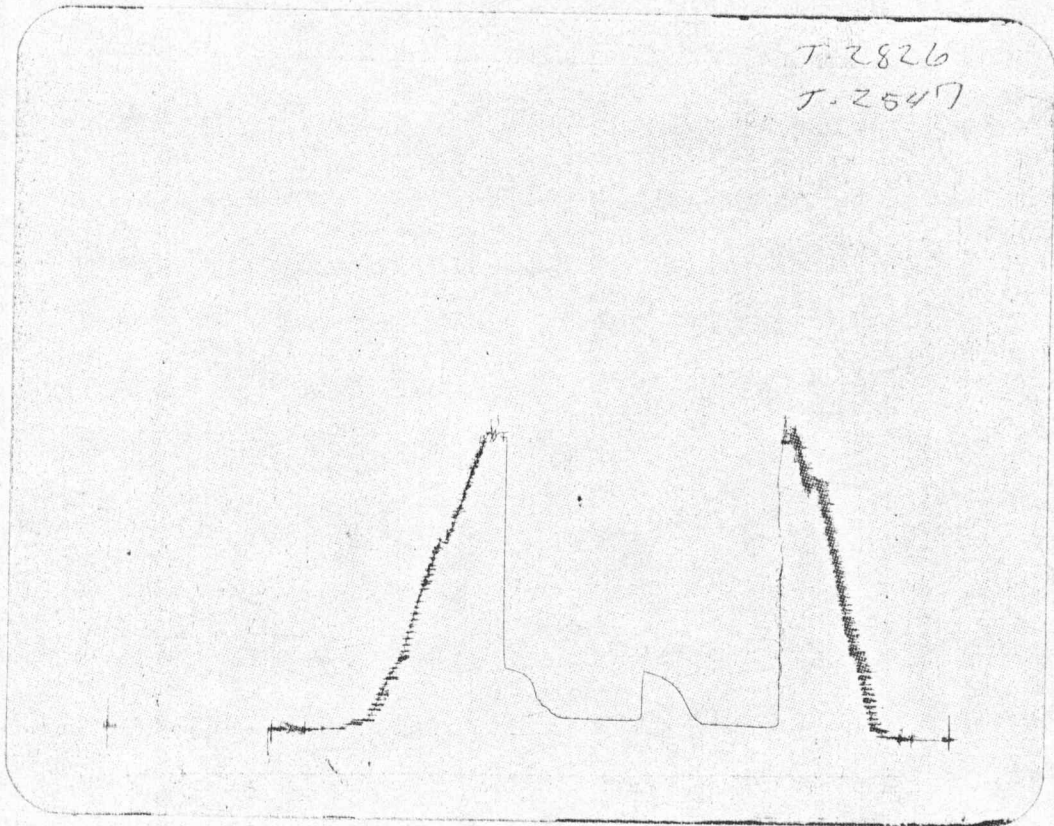
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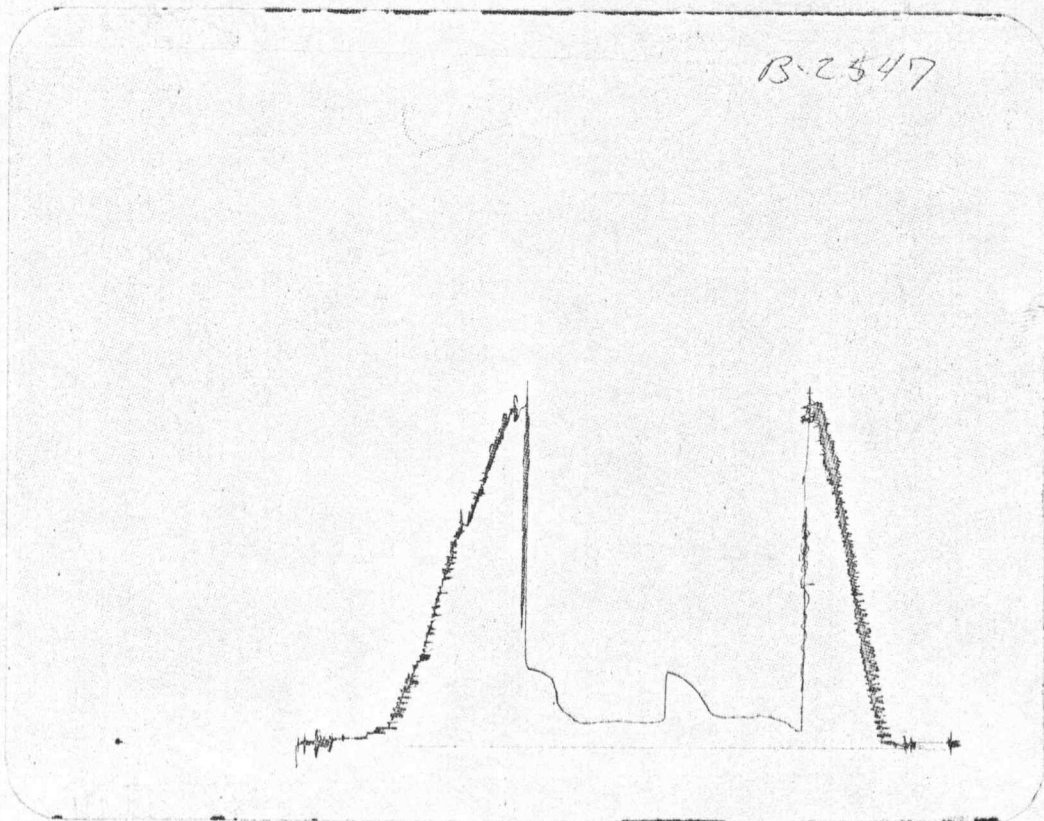
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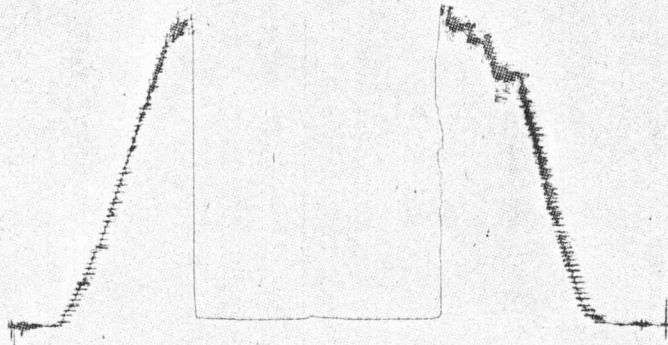
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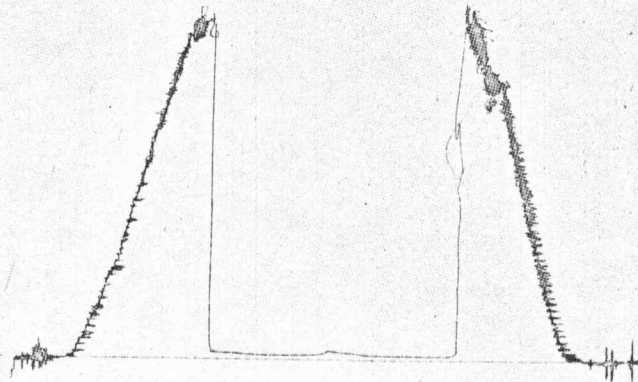
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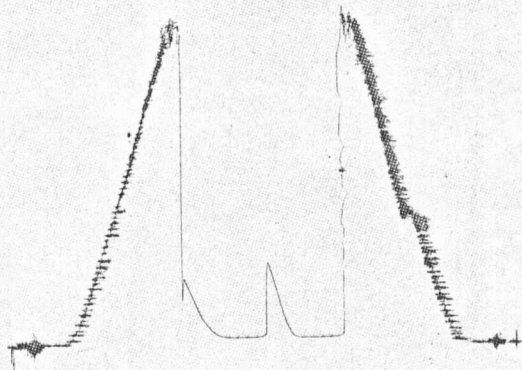
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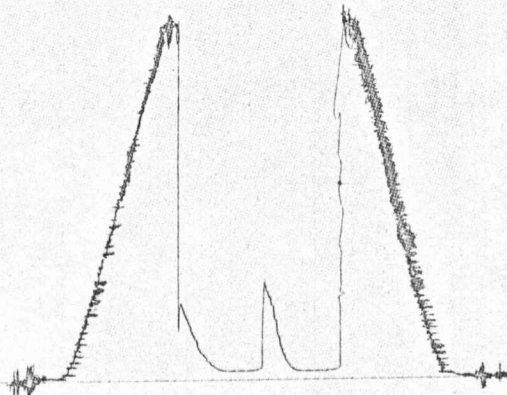
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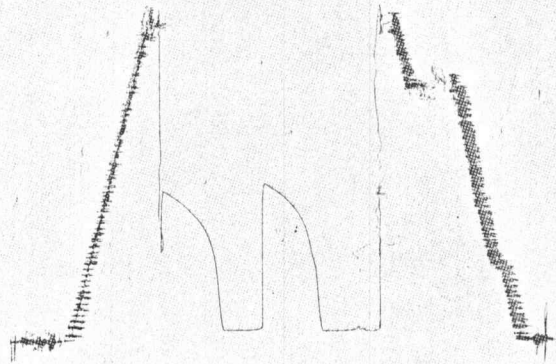
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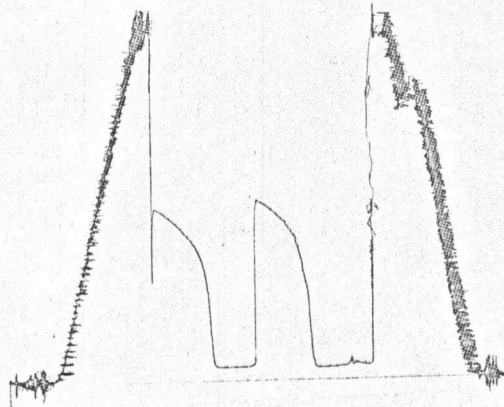
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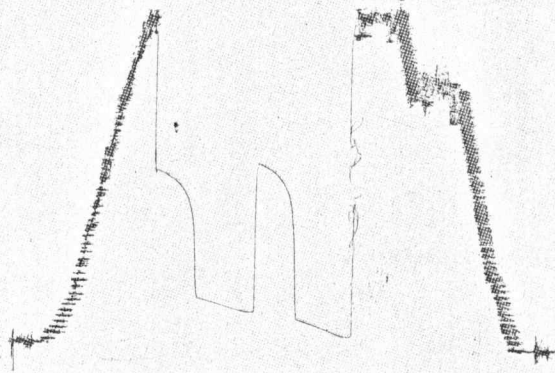
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TOP

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T-2551



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