

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease Henderson	Well No. #1	Date 7-17-80
County Ellsworth Sec. 24	Twp. 15 Rng. 9w	Elevation
Company L. G. Stephenson & Company Inc.		Test No. #1
Contractor Red Tiger Drlg. Co.		Zone Tested
Charge To L. G. Stephenson & Company Inc.		Ticket # 3823
Approved By James W. Spellman		Tester James Rogers

Initial Hydro Mud Press. 1021 P.S.I.

Initial Flow Press. 699 To 892 P.S.I. Initial Flow Period 60 Min.

Initial Shut-in Press. 914 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 914 To 914 P.S.I. Final Flow Period 60 Min.

Final Shut-in Press. 914 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1000 P.S.I. TIME TOOL OPEN 7:00 p.m.

Temperature 118

Mud Weight 10.1 Viscosity 45

Fluid Loss 12

Interval Tested 1780 To 1870

Top Packer Depth 1775 Surface Choke Size _____

Bottom Packer Depth 1780 Bottom Choke Size 5/8

Total Depth 1870 Main Hole Size 7 7/8

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

Drill Collar I.D. 225 Ft. Run none

Blow strong blow decreasing to good 2nd flow fair blow

Recovery _____

180' gas cut mud

1500 muddy gas cut water

lost circulation just before test slide 5' when open tool

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DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease	Henderson	Well No.	#1	Date	7-19-80
County	Ellsworth	Sec.	24	Twp.	15
		Rng.	9w	Elevation	
Company	L. G. Stephenson & Company Inc.			Test No.	#2
Contractor	Red Tiger Drlg. Co.			Zone Tested	Kansas City
Charge To	L. G. Stephenson & Company Inc.			Ticket #	3824
Approved By	James W. Spellman			Tester	James Rogers

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

Initial Flow Press. 64 To 75 P.S.I. Initial Flow Period 60 Min.

Initial Shut-in Press. 107 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 75 To 75 P.S.I. Final Flow Period 60 Min.

Final Shut-in Press. 118 P.S.I. Final Shut-in 45 Min.

Final Hydro Mud Press. 1480 P.S.I. TIME TOOL OPEN 10:00 p.m.

Temperature 110

Mud Weight 9.9 Viscosity 45

Fluid Loss 13

Interval Tested 2594 To 2630

Top Packer Depth 2589 Surface Choke Size _____

Bottom Packer Depth 2594 Bottom Choke Size 5/8

Total Depth 2630 Main Hole Size 7 7/8

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

Drill Collar I.D. 225 Ft. Run none

Blow strong decreasing to fair 2nd flow fair blow

Recovery 120' gas in pipe

40' gas cut mud

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DRILL STEM TEST DATA

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Lease Henderson	Well No. #1	Date 7-20-80
County Ellsworth Sec. 24	Twp. 15 Rng. 9w	Elevation
Company L. G. Stephenons & Company Inc.		Test No. #3
Contractor Red Tiger Drlg. Co.		Zone Tested K.C.
Charge To L. G. Stephenson & Company Inc.		Ticket # 3825
Approved By James W. Spellman		Tester James Rogers

Initial Hydro Mud Press. 1523 P.S.I.

Initial Flow Press. 32 To 75 P.S.I. Initial Flow Period 60 Min.

Initial Shut-in Press. 1053 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 107 To 150 P.S.I. Final Flow Period 60 Min.

Final Shut-in Press. 1032 P.S.I. Final Shut-in 45 Min.

Final Hydro Mud Press. 1502 P.S.I. TIME TOOL OPEN 11:30 a.m.

Temperature 112

Mud Weight 10.1 Viscosity 51

Fluid Loss 10.6

Interval Tested 2650 To 2680

Top Packer Depth 2645 Surface Choke Size

Bottom Packer Depth 2650 Bottom Choke Size 5/8

Total Depth 2680 Main Hole Size 7 7/8

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

Drill Collar I.D. 225 Ft. Run none

Blow fair increaseing blow throughout test

Recovery

120' gas in pipe

90' gas cut mud with slight oil stain

186' gas cut watery mud with slight oil stain

396' total

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease Henderson	Well No. #1	Date 7-21-80
County Ellsworth Sec. 24	Twp. 15 Rng. 9w	Elevation
Company L. G. Stephenson & Company Inc.		Test No. #4
Contractor Red Tiger Drlg. Co.		Zone Tested KC
Charge To L. G. Stephenson & Company Inc.		Ticket # 3848
Approved By James W. Spellman		Tester James Rogers

Initial Hydro Mud Press. 1523 P.S.I.

Initial Flow Press. 86 To 161 P.S.I. Initial Flow Period 60 Min.

Initial Shut-in Press. 1010 P.S.I. Initial Shut-in 45 Min.

Final Flow Press. 193 To 269 P.S.I. Final Flow Period 120 Min.

Final Shut-in Press. 967 P.S.I. Final Shut-in 45 Min.

Final Hydro Mud Press. 1502 P.S.I. TIME TOOL OPEN 12:00 p.m.

Temperature 112

Mud Weight 10.1 Viscosity 51

Fluid Loss 10.6

Interval Tested 2680 To 2705

Top Packer Depth 2675 Surface Choke Size

Bottom Packer Depth 2680 Bottom Choke Size 5/8

Total Depth 2705 Main Hole Size 7 7/8

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

Drill Collar I.D. 225 Ft. Run none

Blow strong blow decreasing to good 2nd flow strong decreasing to good

Recovery

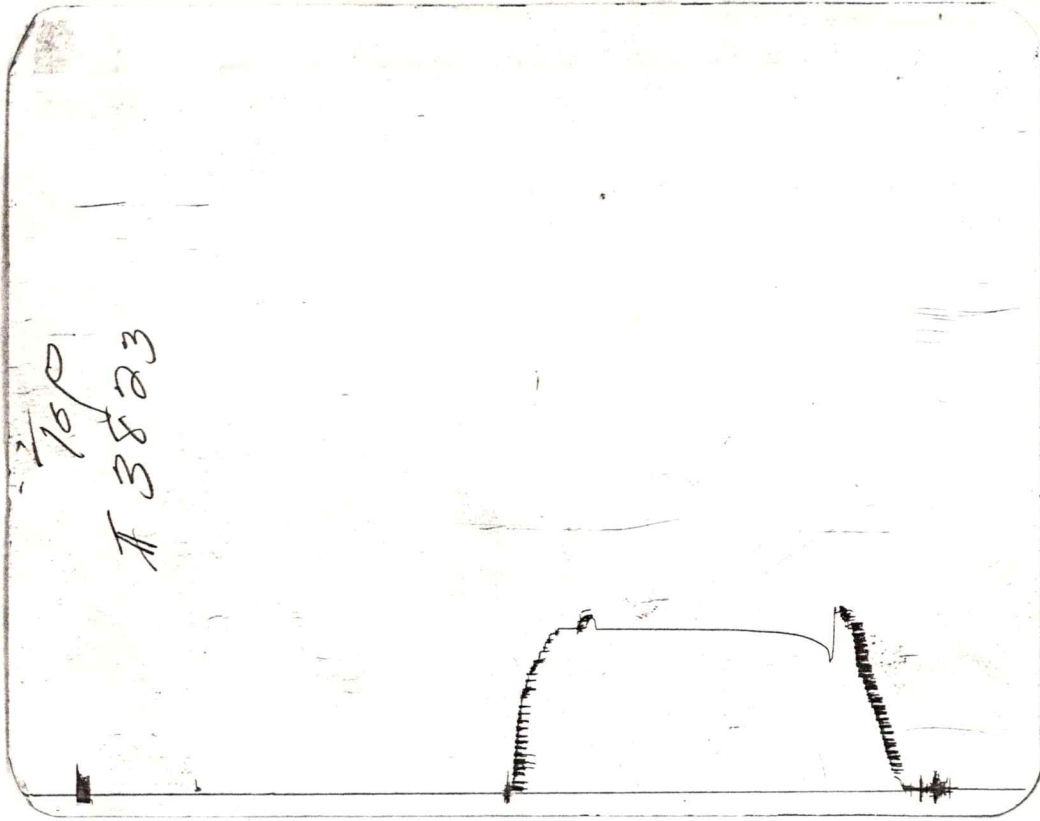
2400' GIP, 60' lt. brown GCM 60' lt. brown oil and gas cut mud

25% oil 180 dark brown gas & mud cut oil with show water 15% mud

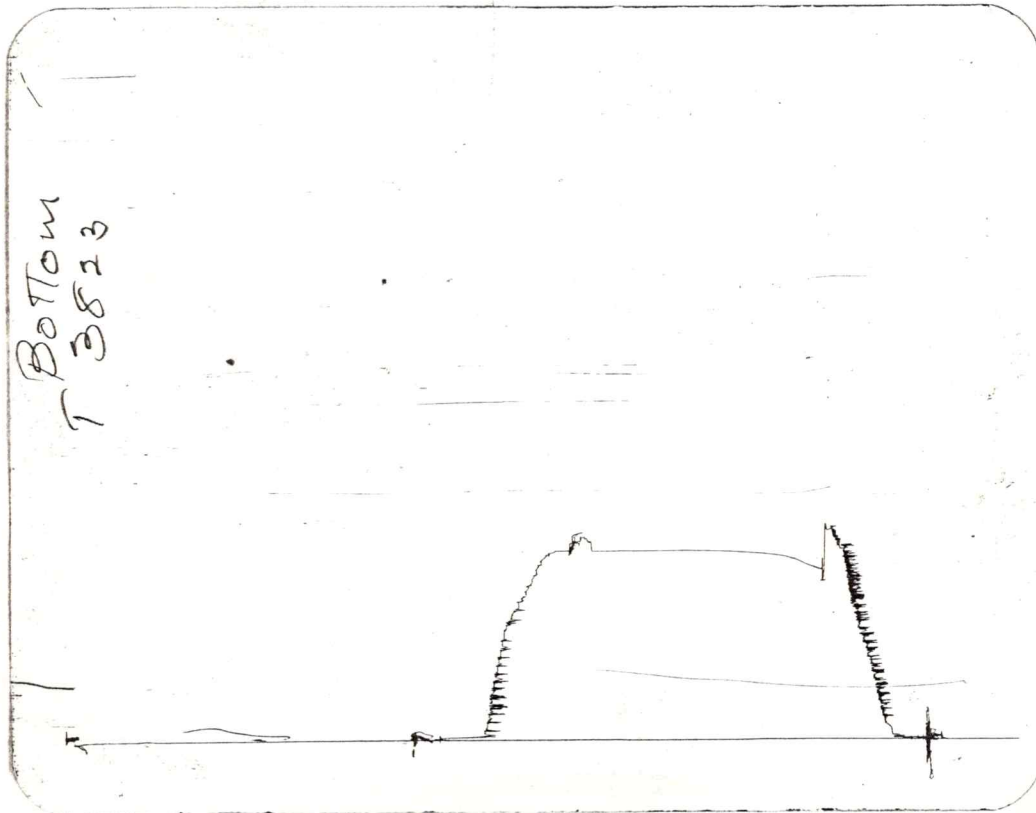
13% water 72% oil 130' slight oil & gas cut muddy water 5% oil 5% mud

90% water 110' usl o & gcmw 540' total fluid

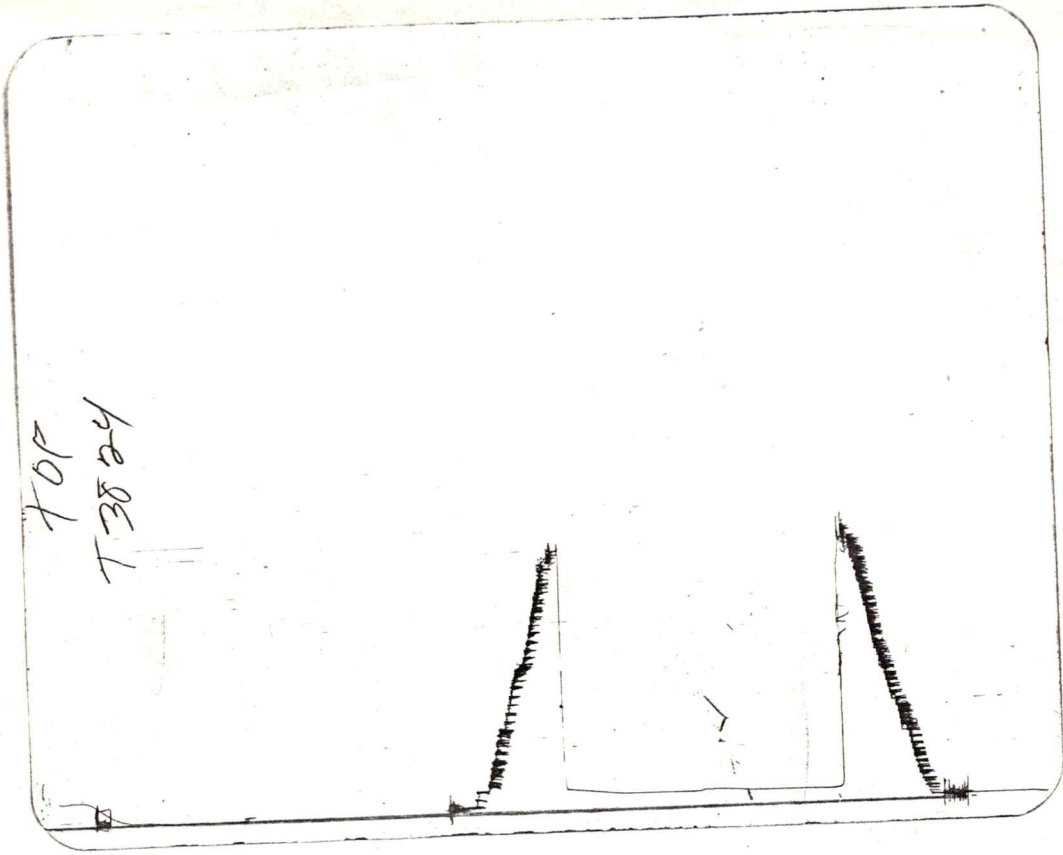
TOP



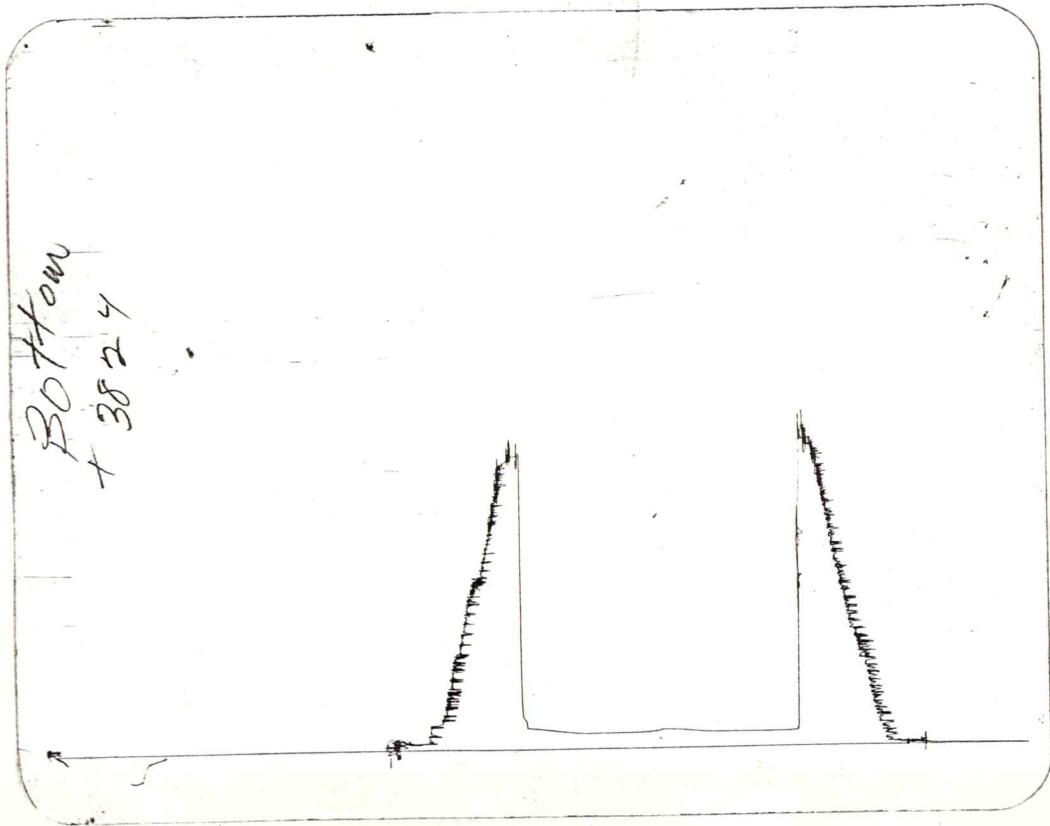
BOTTOM



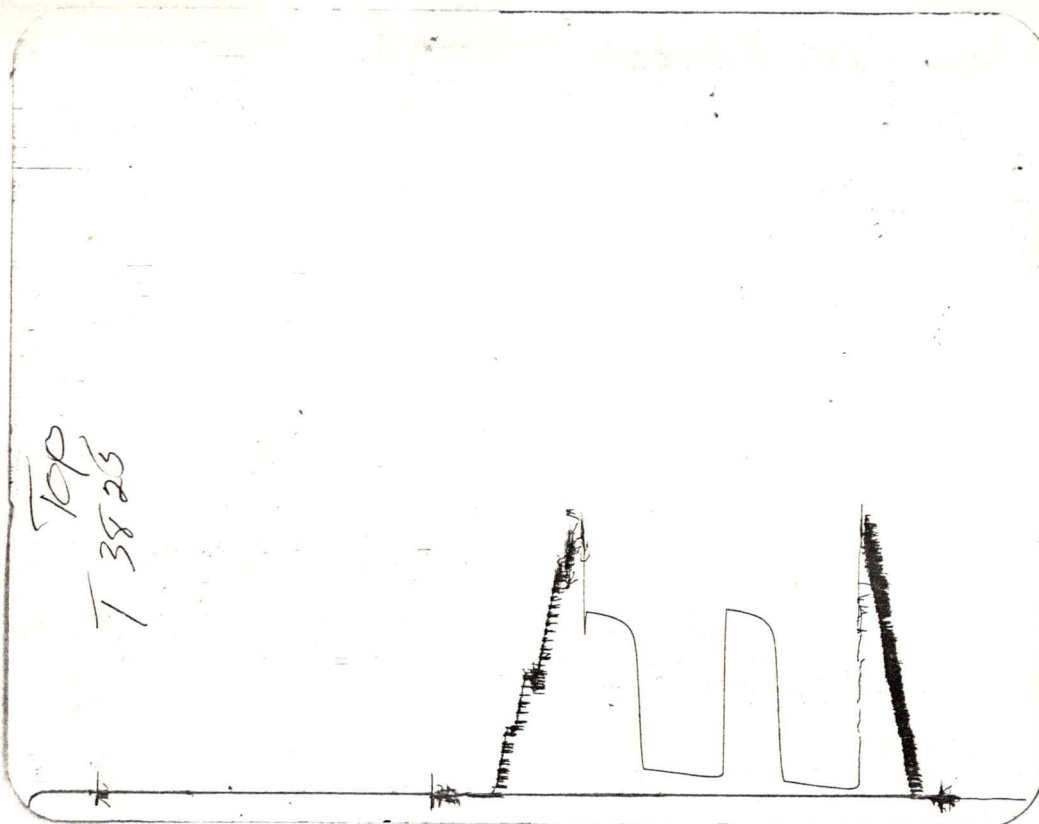
TOP



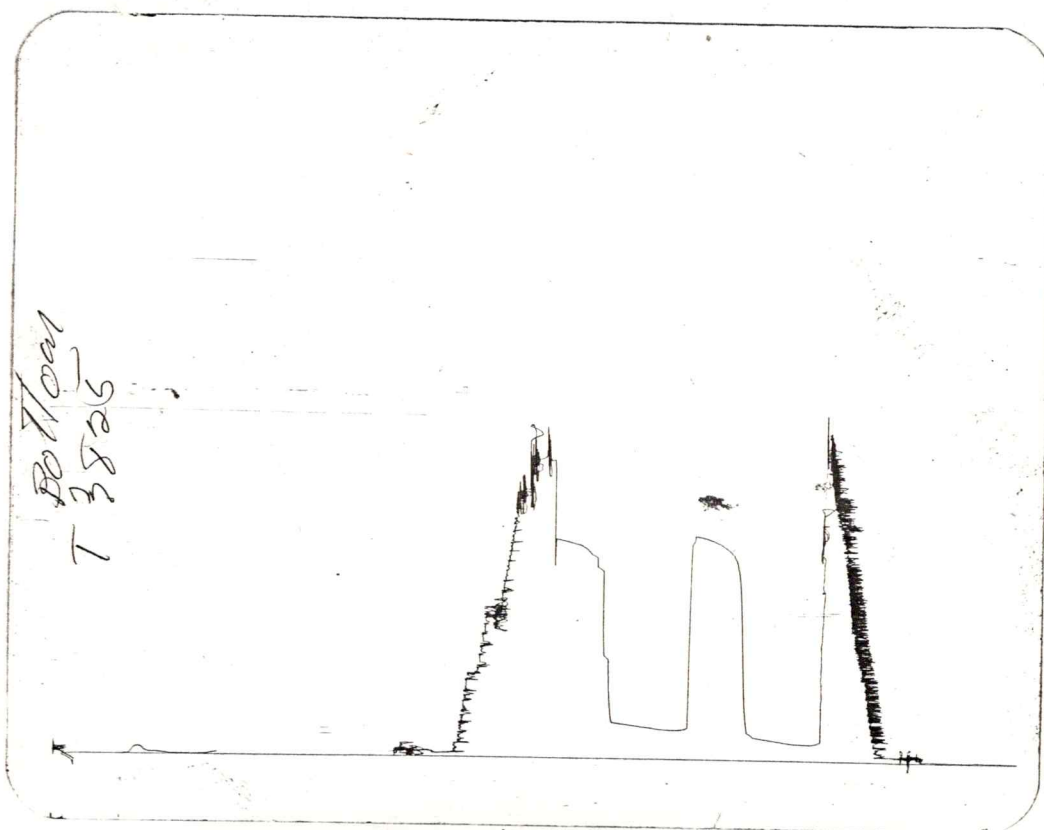
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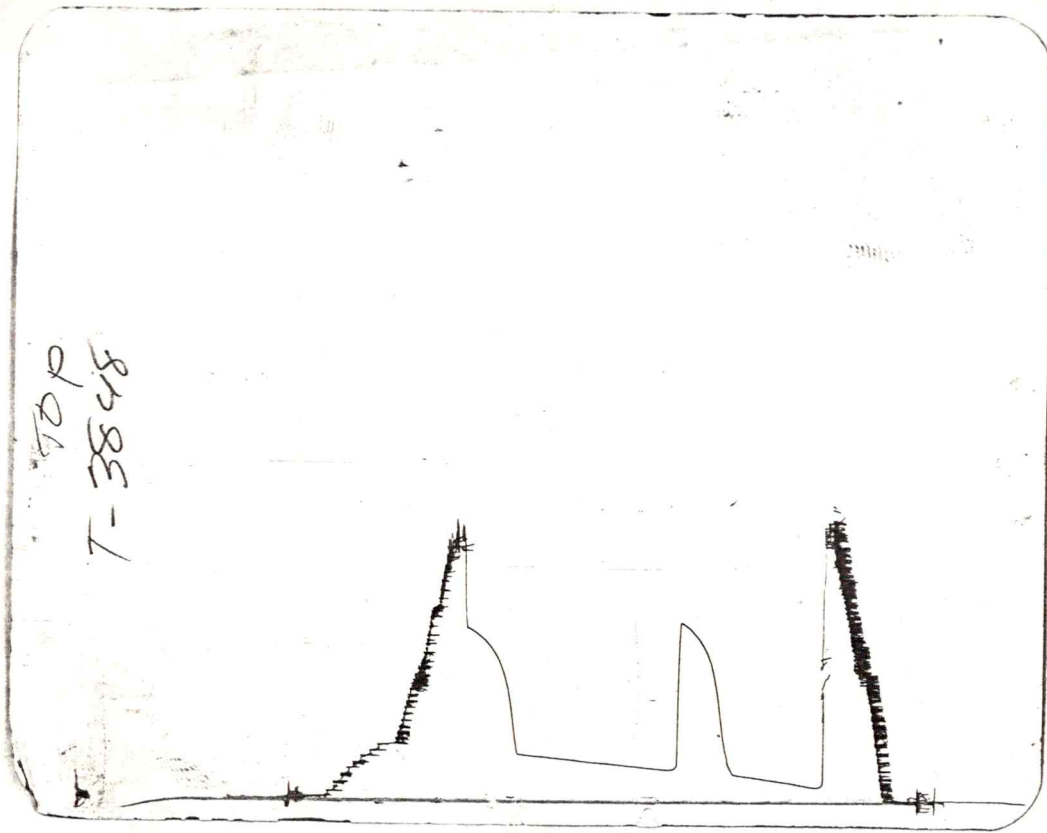
TOP



BOTTOM



TOP



BOTTOM

