

Sun Oil Well Cementing, Inc.

DRILL STEM TEST DATA

P.O. Box 169

Great Bend, Kansas 67530

Lease	Morrison	Well No.	1	Date	8-21-80
County	Barton	Sec.	1	Twp.	17
				Rng.	14
Company	L.G. Stephenson & Co. Inc.			Test No.	1001
Contractor	Red Tiger Drilling Co.			Zone Tested	K.C.
Charge To	L. G. Stephenson & Co.			Ticket #	3827
Approved By	James W. Spellman			Tester	Richard Bowman

Initial Hydro Mud Press. 1728 P.S.I.

Initial Flow Press. 103 To 113 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 857 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 113 To 113 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 864 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1717 P.S.I. TIME TOOL OPEN 6:15 P.M.

Temperature 104

Mud Weight 10.0 Viscosity 38

Fluid Loss 18.6

Interval Tested 3172 To 3310

Top Packer Depth 3167 Surface Choke Size

Bottom Packer Depth 3172 Bottom Choke Size 5/8

Total Depth 3310 Main Hole Size 7 7/8

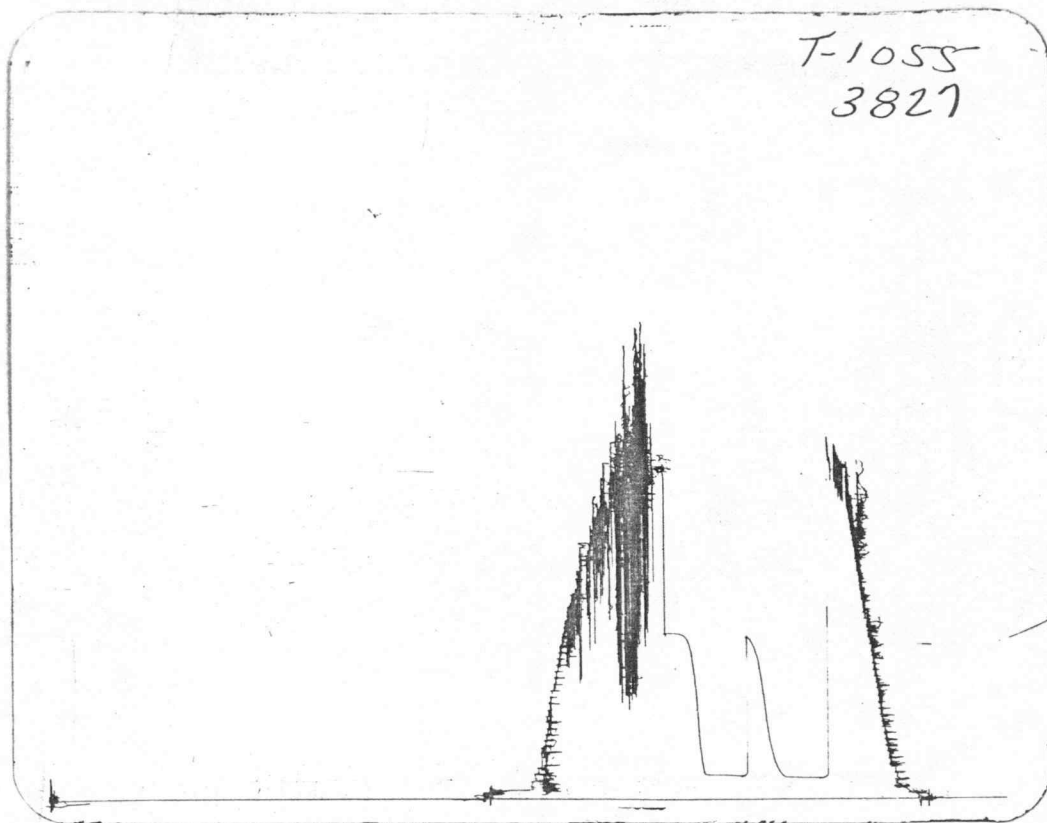
Drill Pipe Size 4 1/2 x H Wt 4 1/2 x H Rubber Size 6 3/4

Drill Collar I.D. 2.25 Ft. Run None

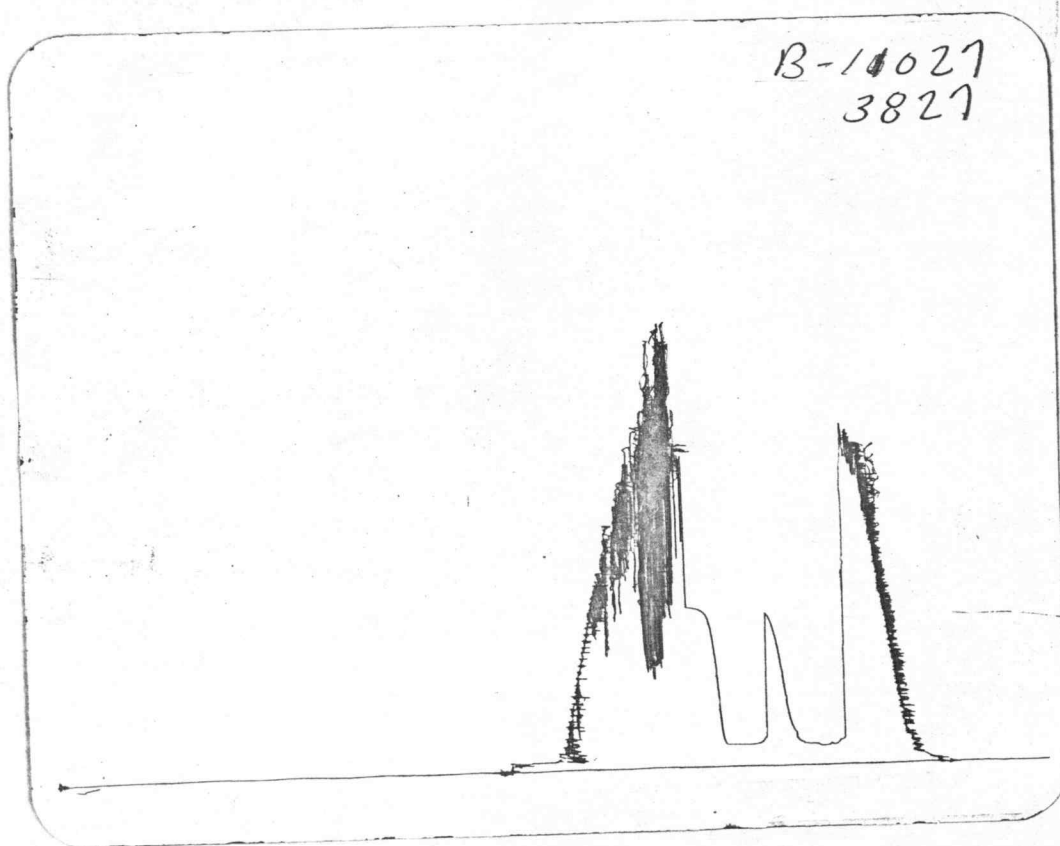
Blow Very weak blow building to weak blow.

Recovery 80' slightly oil cut mud. Slid tool 6' to bottom.

TOP



BOTTOM



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Lease	Morrison	Well No.	1	Date	7-22-80	
County	Barton	Sec.	1	Twp.	17	
				Rng.	14	
Company	L.G. Stephenson & Co.				Test No.	2
Contractor	Red Tiger Drlg.				Zone Tested	K.C.
Charge To	L.G. Stephenson & Co.				Ticket #	3828
Approved By	James W. Spellman				Tester	Steve Jenkins

Initial Hydro Mud Press. 1800 P.S.I.

Initial Flow Press. 68 To 68 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 103 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 68 To 68 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 72 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1789 P.S.I. TIME TOOL OPEN 3:50 P.M.

Temperature 104

Mud Weight 10.1 Viscosity 39

Fluid Loss 15.6

Interval Tested 3337 To 3405

Top Packer Depth 3332 Surface Choke Size

Bottom Packer Depth 3337 Bottom Choke Size 5/8

Total Depth 3405 Main Hole Size 7 7/8

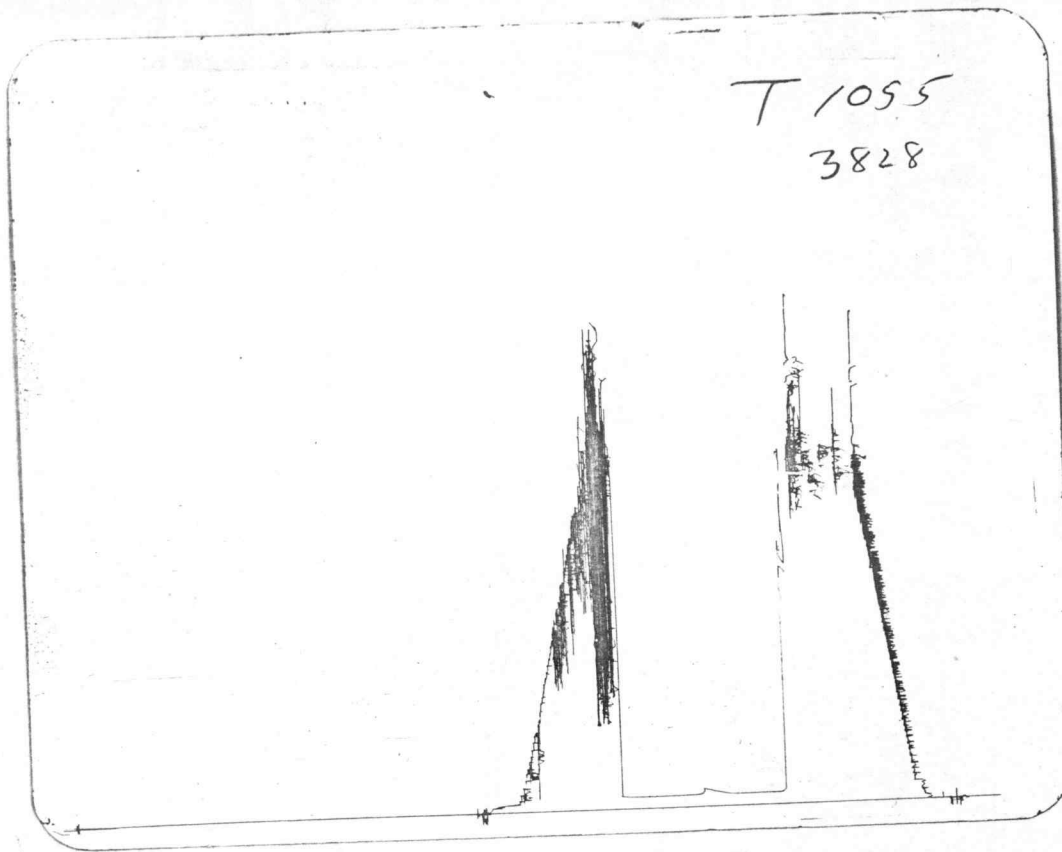
Drill Pipe Size Wt Rubber Size 6 3/4

Drill Collar I.D. 2.25 Ft. Run None

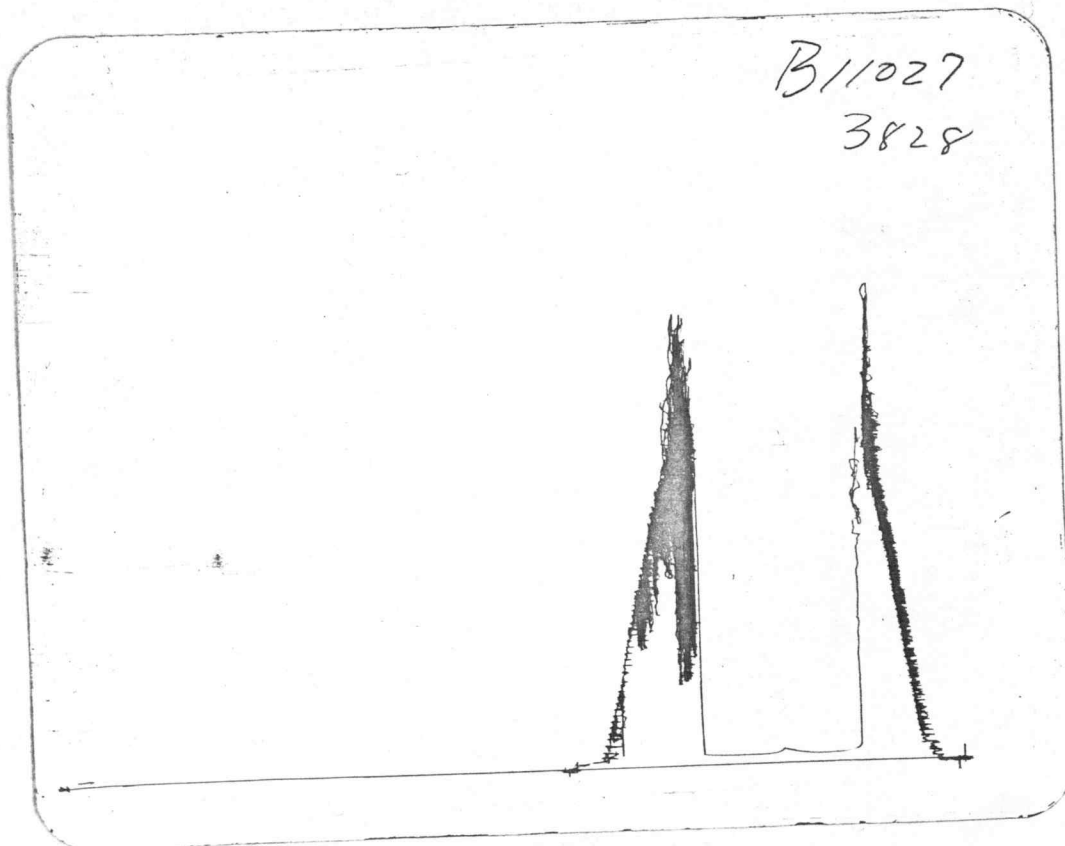
Blow 1st opening weak decreasing to surface blow. blow died in 20 min.
2nd opening - No blow.

Recovery 60' gas cut mud.

TOP



BOTTOM



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Lease	Morrison	Well No.	1	Date	7-23-80
County	Barton	Sec.	1	Twp.	17
		Rng.	14	Elevation	
Company	L.G. Stephenson & Co.			Test No.	3
Contractor	Red Tiger Drlg.			Zone Tested	Arbuckle
Charge To	L.G. Stephenson & Co.			Ticket #	3829
Approved By	James W. Spellman			Tester	Steve Jenkins

Initial Hydro Mud Press. 1789 P.S.I.

Initial Flow Press. 61 To 51 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 144 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 51 To 51 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 92 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1779 P.S.I. TIME TOOL OPEN 9:30 A.M.

Temperature 104

Mud Weight Viscosity

Fluid Loss

Interval Tested 3430 To 3472

Top Packer Depth 3425 Surface Choke Size

Bottom Packer Depth 3430 Bottom Choke Size 5/8

Total Depth 3472 Main Hole Size 7 7/8

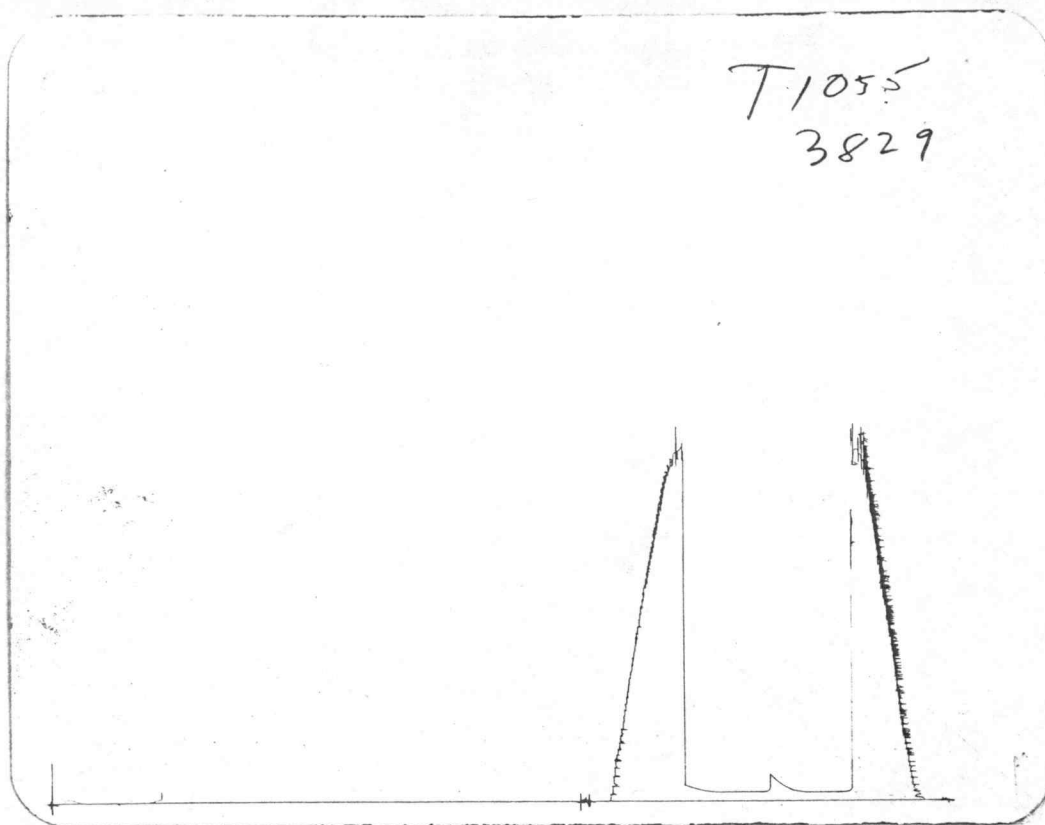
Drill Pipe Size 4 1/2 X H Wt 4 1/2 x H Rubber Size 6 3/4

Drill Collar I.D. 2.25 Ft. Run None

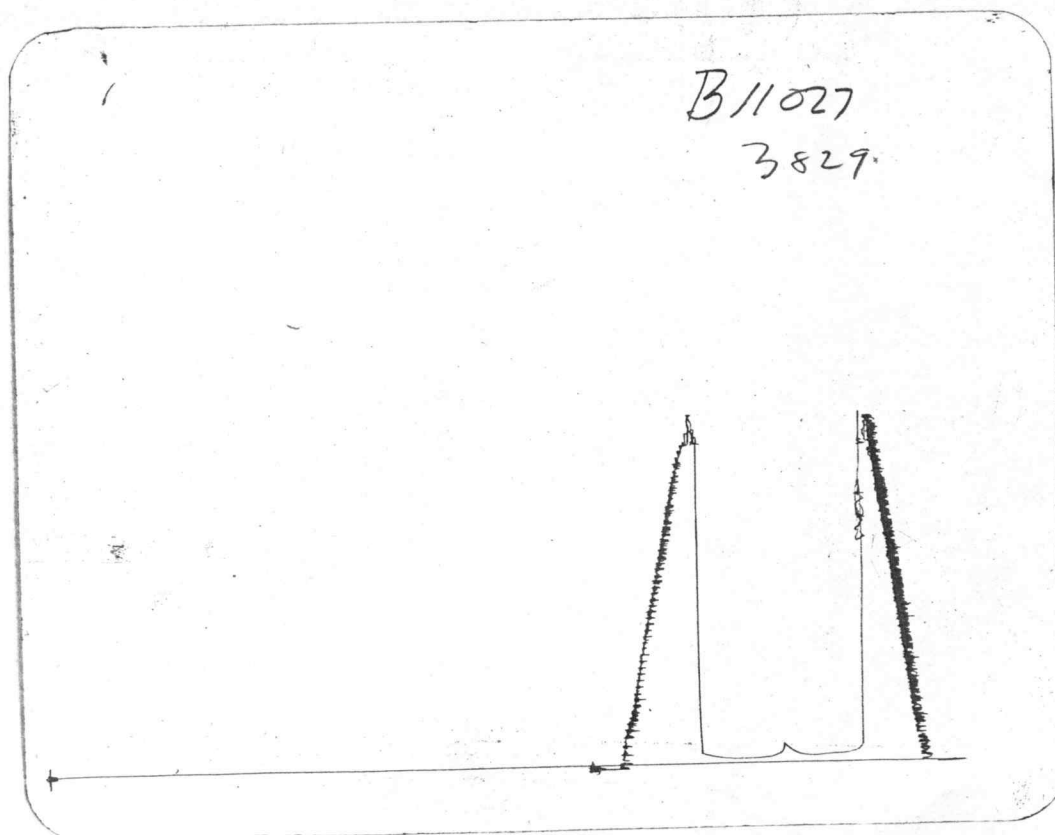
Blow 1st opening weak decreasing to surface blow. 2nd opening No blow.

Recovery 30' mud.

TOP



BOTTOM



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Lease	Morrison	Well No.	1	Date	7-23-80
County	Barton	Sec.	1	Twp.	17
		Rng.	14	Elevation	
Company	L.G. Stephenson & Co.			Test No.	4
Contractor	Red Tiger Drlg.			Zone Tested	Arbuckle
Charge To	L.G. Stephenson			Ticket #	3830
Approved By	James W. Spellman			Tester	Steve Jenkins

Initial Hydro Mud Press. 1810 P.S.I.

Initial Flow Press. 72 To 61 P.S.I. Initial Flow Period 30 Min.

Initial Shut-in Press. 878 P.S.I. Initial Shut-in 30 Min.

Final Flow Press. 82 To 68 P.S.I. Final Flow Period 30 Min.

Final Shut-in Press. 981 P.S.I. Final Shut-in 30 Min.

Final Hydro Mud Press. 1800 P.S.I. TIME TOOL OPEN 9:05 P.M.

Temperature

Mud Weight 9.9 Viscosity 46

Fluid Loss 9.6

Interval Tested 3434 To 3484

Top Packer Depth 3429 Surface Choke Size

Bottom Packer Depth 3434 Bottom Choke Size 5/8

Total Depth 3484 Main Hole Size 7 7/8

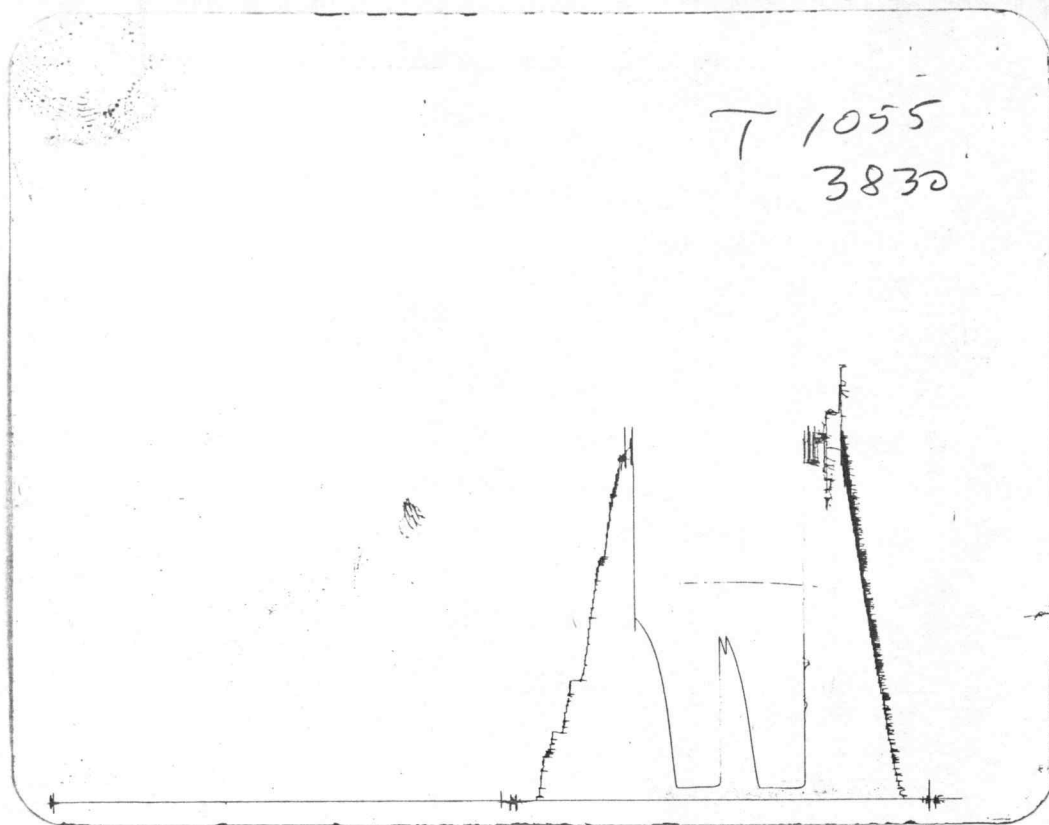
Drill Pipe Size 4 1/2 x H Wt 4 1/2 x H Rubber Size 6 3/4

Drill Collar I.D. 2.25 Ft. Run None

Blow 1st opening weak decreasing to very weak blow. 2nd opening No blow.

Recovery 30' Mud.

TOP



BOTTOM

