

Flow Time	1st 5 Min.	2nd 60 Min.	Date	8-10-64	Ticket Number	419317 - S
Closed In Press. Time	1st 30 Min.	2nd 30 Min.	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND
Pressure Readings	Field	Office Corrected	Tester	MOORE	Witness	RICE
Depth Top Gauge	2967' Ft.	NO Blanked Off	Drilling Contractor	RED TIGER DRILLING COMPANY		BM
BT. P.R.D. No.	566	12 Hour Clock	Elevation	1764' K.B.	Top Packer	-
Initial Hydro Mud Pressure	1622	1644	Total Depth	3000'	Bottom Packer	2971'
Initial Closed in Pres.	1014	1010	Interval Tested	2971' - 3000'	Formation Tested	KANSAS CITY
Initial Flow Pres.	19	1 32	Casing or Hole Size	9"	Casing Perfs. Top	-
Final Flow Pres.	19	2 31	Surface Choke	1"	Bottom Choke	7/8"
	38	1 24				
Final Closed in Pres.	976	981	Size & Kind Drill Pipe	4 1/2" F.H.	WT PIPE I.D. - LENGTH	Drill Collars Above Tester 2.476 x 1372.50'
Final Hydro Mud Pressure	1622	1621	Mud Weight	10.3	Mud Viscosity	37
Depth Cen. Gauge		Blanked Off	Temperature	90 °F Actual	Anchor Size & Length	ID 3 1/2" OD 4 1/2" X 29'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	KELLY BUSHING	Depth of Tester Valve	2960' Ft.
Initial Hydro Mud Pres.			Cushion	NONE	Depth Back Pres. Valve	- Ft.
Initial Closed in Pres.			Recovered	60' Feet of	drilling mud	
Initial Flow Pres.		1	Recovered			
Final Flow Pres.		2	Recovered			
Final Closed in Pres.		1	Recovered			
Final Hydro Mud Pres.		2	Recovered			
Depth Bot. Gauge	2992' Ft.	YES Blanked Off	Oil A.P.I. Gravity	-	Water Spec. Gravity	-
BT. P.R.D. No.	239	12 Hour Clock	Gas Gravity	-	Surface Pressure	0# psi
Initial Hydro Mud Pres.	1660	1657	Tool Opened	2:35 PM A.M. P.M.	Tool Closed	4:10 PM A.M. P.M.
Initial Closed in Pres.	1014	1016	Remarks	Tool opened @ 2:35 PM with a strong blow for a 5 minute first flow. Tool closed @ 2:40 PM		
Initial Flow Pres.	36	1 47		Rotated tool for a 30 minute initial closed in pressure. Tool reopened @ 3:10 PM with a strong blow.		
Final Flow Pres.	36	2 44		Gas to the surface in 7 minutes - too small to measure. Tool closed @ 4:10 PM. Took a 30 minute final closed in pressure. Came off bottom @ 4:40 PM		
Final Closed in Pres.	27	1 38				
Final Hydro Mud Pres.	45	2 46				
Final Hydro Mud Pres.	1633	1637				

ROESTLER

A-5

1

SOHIO PETROLEUM COMPANY

KANSAS

KANSAS

Legal Location Sec. - Twp. - Rng. 5 - 18 - 10

Lease Name

Well No.

Test No.

Field Area

County

RICE

State

KANSAS

Operator's District

FORMATION TEST DATA

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Gauge No. 566		Depth 2967'			Clock 12 hour		Ticket No. 419317			
First Flow Period			Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P <sub>0</sub>	.000	32	.000		24	.000	31	.000		34
P <sub>1</sub>	.008	22	.0188		303	.1013	22	.0192		321
P <sub>2</sub>	.016	22	.0376		536	.2026	27	.0384		579
P <sub>3</sub>	.024	23	.0564		702	.3039	31	.0576		738
P <sub>4</sub>	.032	24	.0752		832	.405	34	.0768		845
P <sub>5</sub>	.040	24	.0940		903			.0960		903
P <sub>6</sub>			.1128		951			.1152		938
P <sub>7</sub>			.1316		977			.1344		956
P <sub>8</sub>			.1504		993			.1536		968
P <sub>9</sub>			.1692		1004			.1728		976
P <sub>10</sub>			.188		1010			.192		981

Gauge No. 239		Depth 2992'			Clock 12 hour					
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P <sub>0</sub>	.000	47	.000		38	.000	44	.000		46
P <sub>1</sub>	.0082	37	.0183		292	.1018	36	.0187		336
P <sub>2</sub>	.0164	37	.0366		534	.2036	40	.0374		581
P <sub>3</sub>	.0246	38	.0549		704	.3054	44	.0561		749
P <sub>4</sub>	.0328	38	.0732		834	.407	46	.0748		852
P <sub>5</sub>	.041	38	.0915		911			.0935		910
P <sub>6</sub>			.1098		958			.1122		942
P <sub>7</sub>			.1281		984			.1309		963
P <sub>8</sub>			.1464		1000			.1496		975
P <sub>9</sub>			.1647		1010			.1683		983
P <sub>10</sub>			.183		1016			.187		988
Reading Interval 1		3			15		3			Minutes

REMARKS:

Flow Time	1st 5 Min.	2nd 60 Min.	Date	8-12-64	Ticket Number	419318 - S
Closed In Press. Time	1st 30 Min.	2nd 30 Min.	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND
Pressure Readings	Field	Office Corrected	Tester	MOORE	Witness	RICE
Depth Top Gauge	3205' Ft.	NO Blanked Off	Drilling Contractor	RED TIGER DRILLING COMPANY		BM
BT. P.R.D. No.	566	12 Hour Clock	Elevation	1764' D.F.	Top Packer	-
Initial Hydro Mud Pressure	1784	1811	Total Depth	3215'	Bottom Packer	3209'
Initial Closed in Pres.	900	894	Interval Tested	3209' - 3215'	Formation Tested	ARBUCKLE
Initial Flow Pres.	58 115	1 97 2 162	Casing or Hole Size	9"	Casing Perfs. } Top - Bot. -	
Final Flow Pres.	114 385	1 109 2 379	Surface Choke	1"	Bottom Choke	7/8"
Final Closed in Pres.	852	837	Size & Kind Drill Pipe	4 1/2" F.H.	WGHT PIPE I.D. - LENGTH Drill Collars Above Tester	2.476 x 1372.50'
Final Hydro Mud Pressure	1746	1779	Mud Weight	10.4	Mud Viscosity	43
Depth Cen. Gauge		Blanked Off	Temperature	93 °F Actual	Anchor Size ID 3 1/2" & Length OD 4 1/2" X	6'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	KELLY BUSHING	Depth of Tester Valve	3197' Ft.
Initial Hydro Mud Pres.			Cushion	NONE	Depth Back Pres. Valve	- Ft.
Initial Closed in Pres.			Recovered	60' Feet of gas show from drill pipe		
Initial Flow Pres.		1	Recovered	960' Feet of clean gassy oil		
Final Flow Pres.		1	Recovered	180' Feet of muddy gassy oil		
Final Closed in Pres.		2	Recovered	Feet of		
Final Hydro Mud Pres.			Oil A.P.I. Gravity	42 @ 60° F	Water Spec. Gravity	-
Depth Bot. Gauge	3211' Ft.	YES Blanked Off	Gas Gravity	-	Surface Pressure	0# psi
BT. P.R.D. No.	239	12 Hour Clock	Tool Opened	11:35 AM	A.M. P.M. Tool Closed	1:10 PM A.M. P.M.
Initial Hydro Mud Pres.	1796	1811	Remarks	Tool opened @ 11:35 AM with a strong blow		
Initial Closed in Pres.	887	895		for a 5 minute first flow. Tool closed @ 11:40 A.M.		
Initial Flow Pres.	72 108	1 98 2 171		Rotated tool for a 30 minute initial closed in press		
Final Flow Pres.	154 381	1 111 2 378		ure. Tool reopened @ 12:10 PM with a good blow -		
Final Closed in Pres.	842	838		decreasing slightly. Tool closed @ 1:10 PM. Took a 30 minute final closed in pressure. Came off bot-		
Final Hydro Mud Pres.	1778	1785		tom @ 1:45 PM.		

FORMATION TEST DATA

Legal Location Sec. - Twp. - Rng. 5 - 18 - 10

Lease Name ROESTER

Well No. A-5

Test No. 2

Field Area

Lease Owner/Company Name SOHIO PETROLEUM COMPANY

County RICE

State KANSAS

Owner's District KANSAS

Stamp: AUG 18 1964

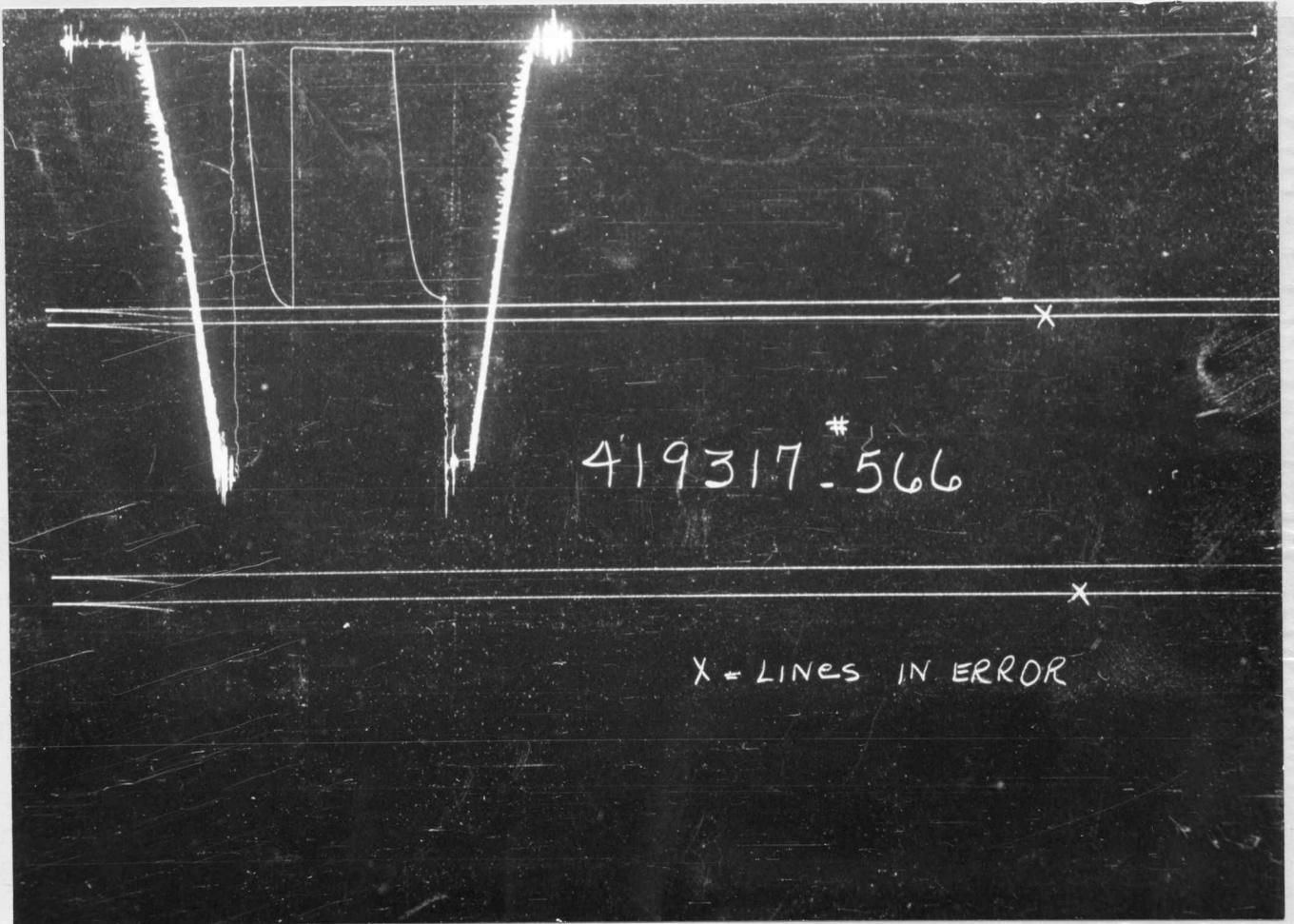
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Gauge No. 566		Depth 3205'			Clock 12 hour		Ticket No. 419318			
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P <sub>0</sub>	.000	97	.000		109	.000	162	.000		379
P <sub>1</sub>	.0088	72	.0198		457	.1018	229	.0207		532
P <sub>2</sub>	.0176	80	.0396		575	.2036	286	.0414		598
P <sub>3</sub>	.0264	91	.0594		660	.3054	334	.0621		650
P <sub>4</sub>	.0352	100	.0792		716	.407	379	.0828		691
P <sub>5</sub>	.044	109	.0990		761			.1035		727
P <sub>6</sub>			.1188		797			.1242		756
P <sub>7</sub>			.1386		829			.1449		779
P <sub>8</sub>			.1584		855			.1656		801
P <sub>9</sub>			.1782		876			.1863		820
P <sub>10</sub>			.198		894			.207		837

Gauge No. 239		Depth 3211'			Clock 12 hour					
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P <sub>0</sub>	.000	98	.000		111	.000	171	.000		378
P <sub>1</sub>	.008	79	.0194		452	.1023	231	.021		521
P <sub>2</sub>	.016	83	.0388		568	.2046	287	.042		594
P <sub>3</sub>	.024	93	.0582		652	.3069	335	.063		648
P <sub>4</sub>	.032	103	.0776		713	.409	378	.084		690
P <sub>5</sub>	.040	111	.0970		759			.105		726
P <sub>6</sub>			.1164		797			.126		756
P <sub>7</sub>			.1358		828			.147		781
P <sub>8</sub>			.1552		853			.168		803
P <sub>9</sub>			.1746		877			.189		822
P <sub>10</sub>			.194		895			.210		838
Reading Interval	1		3			15		3		Minutes

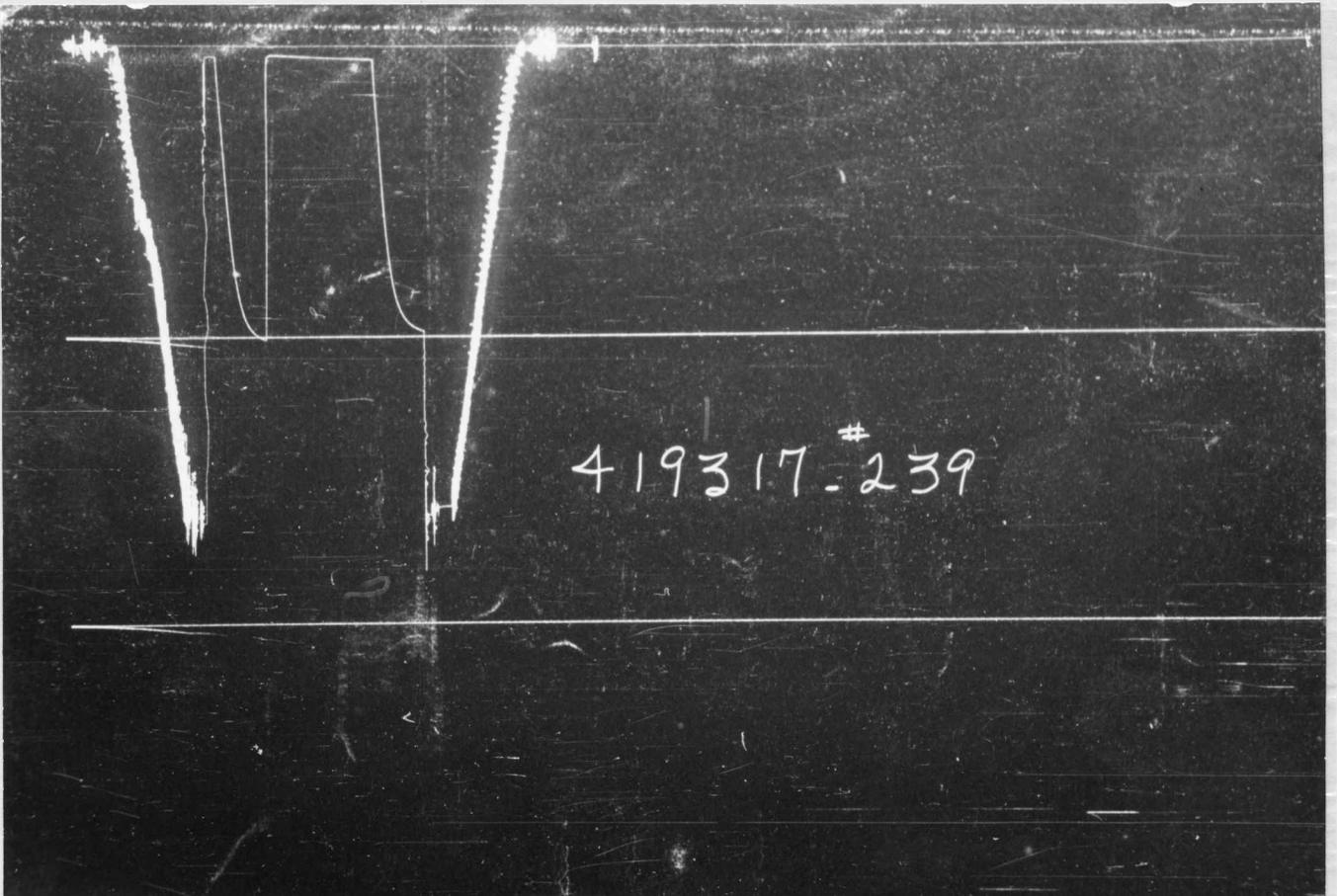
REMARKS:

**SPECIAL PRESSURE DATA**

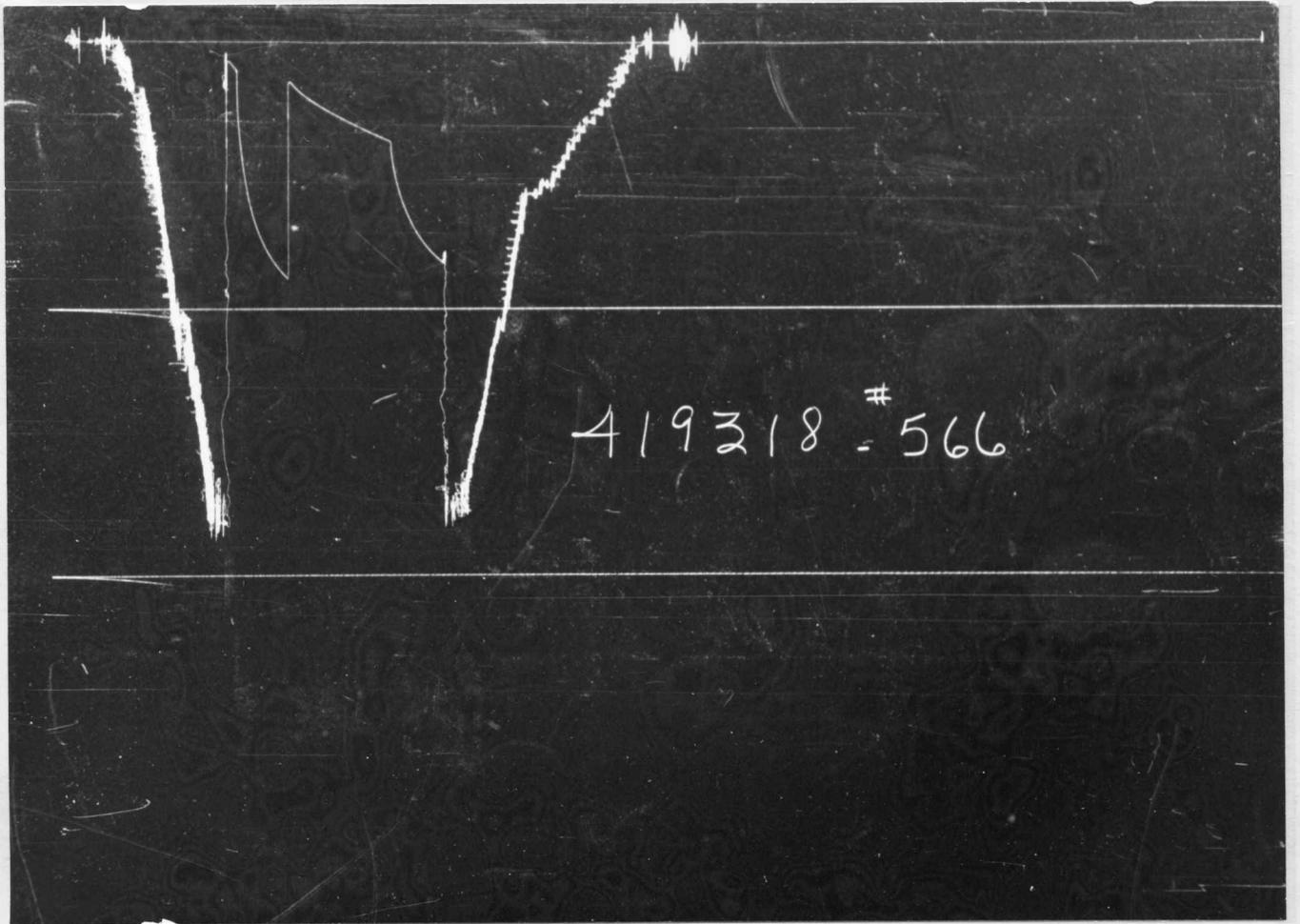


PRESSURE ↑

← TIME →



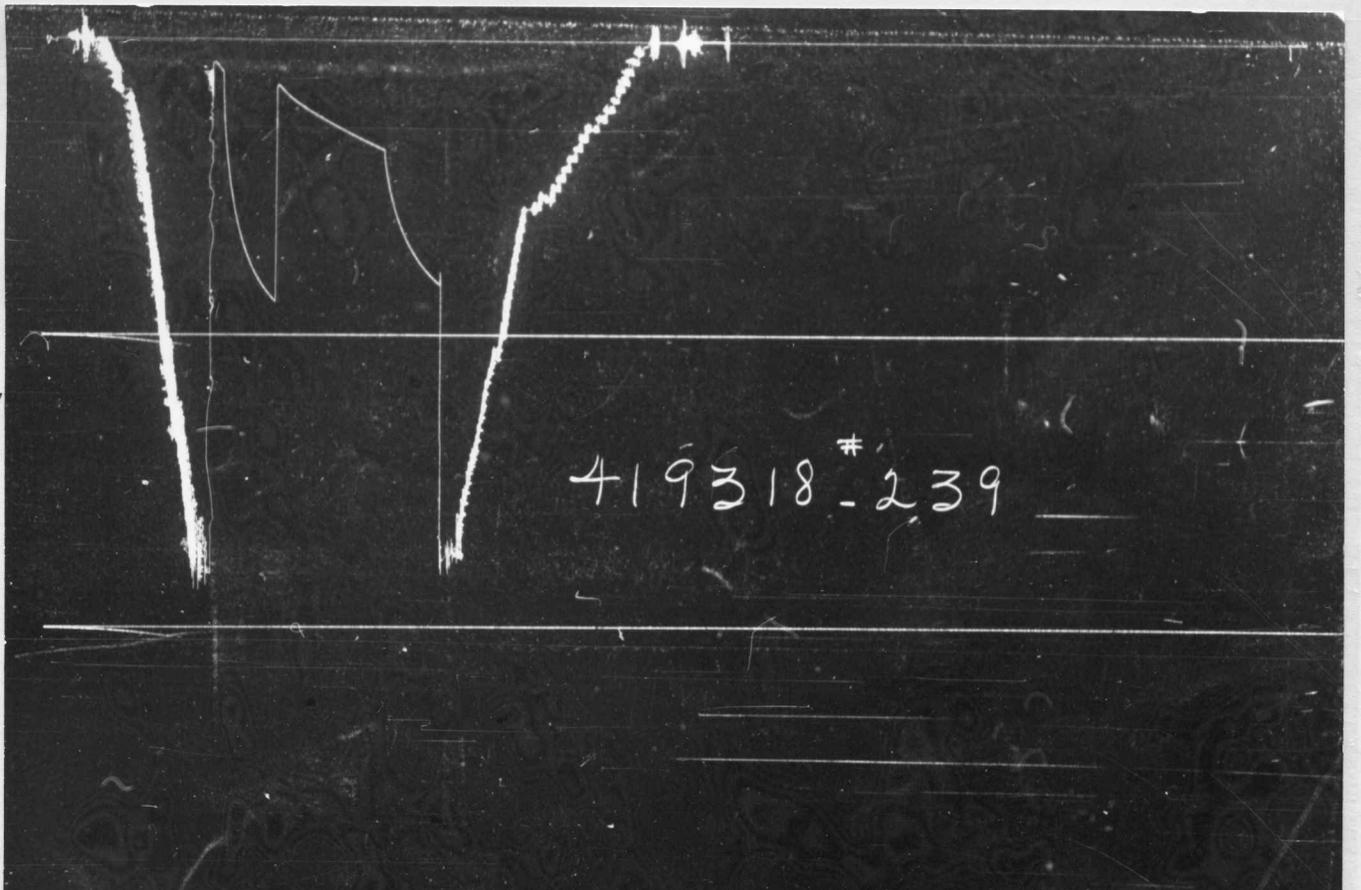
↓ PRESSURE



419318-566

PRESSURE

TIME



419318-239

PRESSURE