

Flow Time	1st 15	Min.	2nd 60	Min.	Date	2-27-63	Ticket Number	352185 S
Closed In Pres. Time	1st 60	Min.	2nd 60	Min.	Kind of Job	Open hole test	Halliburton District	Hays
Pressure Readings	Field		Office Corrected		Tester	Sellers	Witness	Mr. Harder
Depth Top Gauge	3439	Ft.	NO	Blanked Off	Drilling Contractor	Sierra Petroleum Company Incorporated		
BT. P.R.D. No.	RANGE 3500# 8		- 3.841	Hour Clock 24	Elevation	2189'	Top Packer	-
Initial Hydro Mud Pressure			1892		Total Depth	3476'	Bottom Packer	3437'
Initial Closed in Pres.			941		Interval Tested	39'	Formation Tested	Kansas City
Initial Flow Pres.			1 27		Casing or Hole Size	9"	Casing Top Perfs. Bot.	None
Final Flow Pres.			1 34		Surface Choke	1/4"	Bottom Choke	1"
Final Closed in Pres.			900		Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	I.D. - LENGTH
Final Hydro Mud Pressure			1878		Mud Weight	10	Mud Viscosity	42
Depth Cen. Gauge	3472	Ft.	YES	Blanked Off	Temperature	100	Anchor Size & Length	ID 3.84" X 39" OD 5.00"
BT. P.R.D. No.	RANGE 3500# 13		- 3.86	Hour Clock 12	Depths Mea. From	Derrick Floor	Depth of Tester Valve	3422' Ft.
Initial Hydro Mud Pres.	1918		1898		Cushion		Depth Back Pres. Valve	Ft.
Initial Closed in Pres.	957		952		Recovered	150	Feet of Gas in pipe	
Initial Flow Pres.	36	1	37		Recovered	90	Feet of Oil cut mud	
Final Flow Pres.	54	2	48		Recovered		Feet of	
Final Closed in Pres.	896		911		Recovered		Feet of	
Final Hydro Mud Pres.	1900		1884		Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Depth Bot. Gauge		Ft.		Blanked Off	Gas Gravity	-	Surface Pressure	psi
BT. P.R.D. No.				Hour Clock	Tool Opened	6:20	Tool Closed	8:35
Initial Hydro Mud Pres.					Remarks	Opened tool for 15 minute 1st flow. Closed tool for 60 minute initial closed in pressure.		
Initial Closed in Pres.						Reopened tool for 60 minute 2nd flow with very weak steady blow throughout test. Closed tool for 60 minute final closed in pressure.		
Initial Flow Pres.		1						
Final Flow Pres.		2						
Final Closed in Pres.		1						
Final Hydro Mud Pres.		2						

## FORMATION TEST DATA

Legal Location: Sec. 12 - 10 - 19  
 Lease Name: VOHS  
 Well No.: 9  
 Test No.: 1  
 Field Area: ROKES  
 Country: KANSAS  
 State: KANSAS  
 Lease Owner/Company Name: SINCLAIR OIL & GAS COMPANY  
 Owner's District:

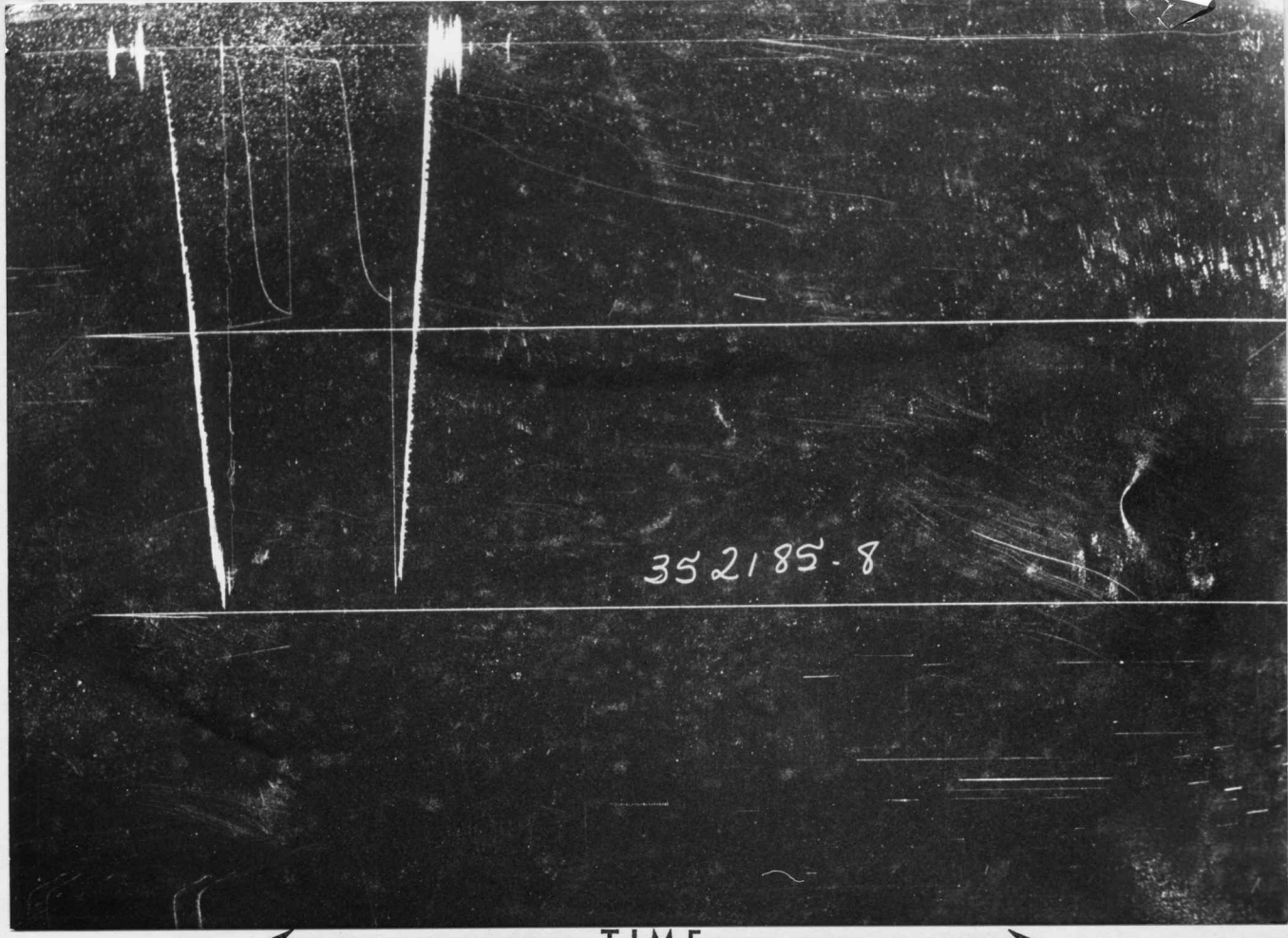
Gauge No. 8		Depth 3439'			Clock 24 hour		Ticket No. 352185			
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	
P <sub>0</sub>	.000	27	.000		34	.000	36	.000		58
P <sub>1</sub>	.0163	30	.0206		121	.0505	43	.020		129
P <sub>2</sub>	.0326	34	.0412		328	.1010	49	.040		291
P <sub>3</sub>	.0490	34	.0618		588	.1515	54	.060		473
P <sub>4</sub>			.0824		781	.2020	58	.080		689
P <sub>5</sub>			.1030		857			.100		792
P <sub>6</sub>			.1236		894			.120		838
P <sub>7</sub>			.1442		916			.140		864
P <sub>8</sub>			.1648		927			.160		880
P <sub>9</sub>			.1854		935			.180		892
P <sub>10</sub>			.2060		941			.200		900

Gauge No. 13		Depth 3472'			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	37	.000		44	.000	48	.000		67
P <sub>1</sub>	.031	41	.0412		127	.101	54	.040		137
P <sub>2</sub>	.062	46	.0824		336	.202	58	.080		303
P <sub>3</sub>	.093	44	.1236		599	.303	63	.120		493
P <sub>4</sub>			.1648		791	.404	67	.160		701
P <sub>5</sub>			.2060		868			.200		803
P <sub>6</sub>			.2472		906			.240		848
P <sub>7</sub>			.2884		927			.280		875
P <sub>8</sub>			.3296		939			.320		892
P <sub>9</sub>			.3708		947			.360		904
P <sub>10</sub>			.4120		952			.400		911
Reading Interval	5		6			15		6	Minutes	

REMARKS:

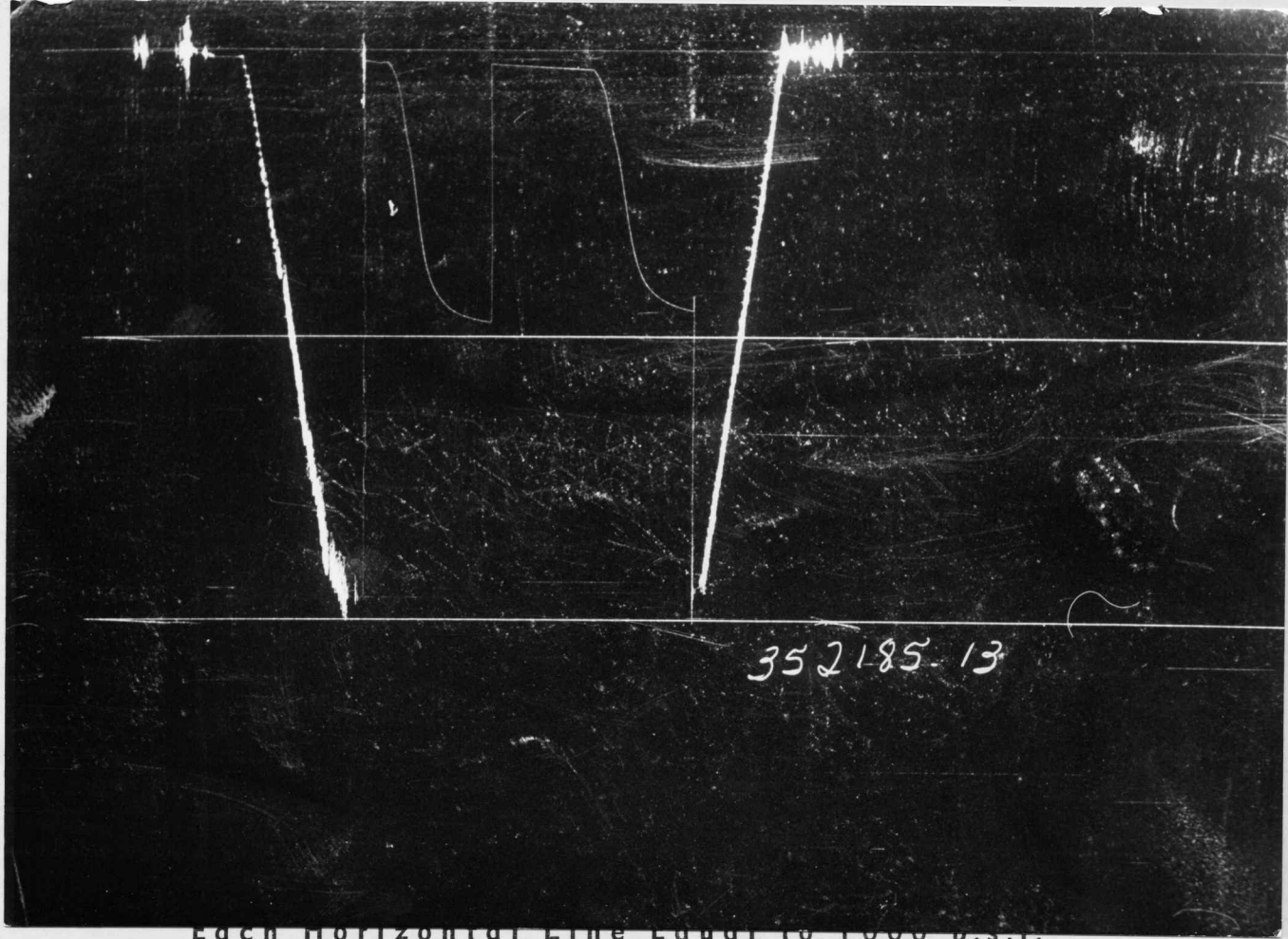
### SPECIAL PRESSURE DATA

↑  
PRESSURE  
↓



352185-8

← TIME →



352185-13

Each horizontal line equal to 1000 p.s.i.

Flow Time	1st Min. 15	2nd Min. 60	Date	2-28-63	Ticket Number	352212 S
Closed In Press. Time	1st Min. 55	2nd Min. 60	Kind of Job	Open hole test	Halliburton District	Hays
Pressure Readings	Field	Office Corrected	Tester	Berens	Witness	Mr. Harden
Depth Top Gauge	3486 Ft.	NO Blanked Off	Drilling Contractor	Sierra Drilling Company		
BT. P.R.D. No.	RANGE 3500# 8	- 3.841 24 Hour Clock	Elevation	2189'	Top Packer	-
Initial Hydro Mud Pressure	2029	1906	Total Depth	3530'	Bottom Packer	3481'
Initial Closed in Pres.	649	647	Interval Tested	3481'-3530'	Formation Tested	Kansas City
Initial Flow Pres.	-	1 28	Casing or Hole Size	9"	Casing Perfs. { Top	-
Final Flow Pres.	-	1 32	Surface Choke	1/4"	Bottom Choke	5/8"
Final Closed in Pres.	634	636	Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	-
Final Hydro Mud Pressure	2011	1880	Mud Weight	9.9	Mud Viscosity	43
Depth Cen. Gauge	3526 Ft.	YES Blanked Off	Temperature	102	Anchor Size & Length	ID 3.76" OD 5.00" X 49'
BT. P.R.D. No.	RANGE 3500# 13	- 3.867 12 Hour Clock	Depths Mea. From	Kelly Bushings	Depth of Tester Valve	- Ft.
Initial Hydro Mud Pres.		1923	Cushion	-	Depth Back Pres. Valve	- Ft.
Initial Closed in Pres.		669	Recovered	5	Feet of	Oil cut mud
Initial Flow Pres.		1 48	Recovered	30	Feet of	Slightly oil cut mud
Final Flow Pres.		1 53	Recovered	30	Feet of	Very slightly oil cut mud
Final Closed in Pres.		657	Recovered		Feet of	
Final Hydro Mud Pres.		1909	Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Depth Bot. Gauge			Gas Gravity	-	Surface Pressure	- psi
BT. P.R.D. No.			Tool Opened	-	A.M. Tool Closed	-
Initial Hydro Mud Pres.			Remarks Opened tool for 15 minute 1st flow. Closed			
Initial Closed in Pres.			tool for 55 minute initial closed in pressure.			
Initial Flow Pres.		1	Reopened tool for 60 minute 2nd flow with weak			
Final Flow Pres.		1	steady blow throughout test. Closed tool for 60			
Final Closed in Pres.		2	minute final closed in pressure.			
Final Hydro Mud Pres.						

FORMATION TEST DATA

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Legal Location Sec. - Twp. - Rng. SEC. 12 - 10S - 19W  
 Lease Name VOHS  
 Well No. 9  
 Test No. 2  
 Field Area  
 VOHS  
 County ROOKS  
 State KANSAS  
 Lease Owner/Company Name SINCLAIR OIL & GAS COMPANY  
 Owner's District PLAINVILLE

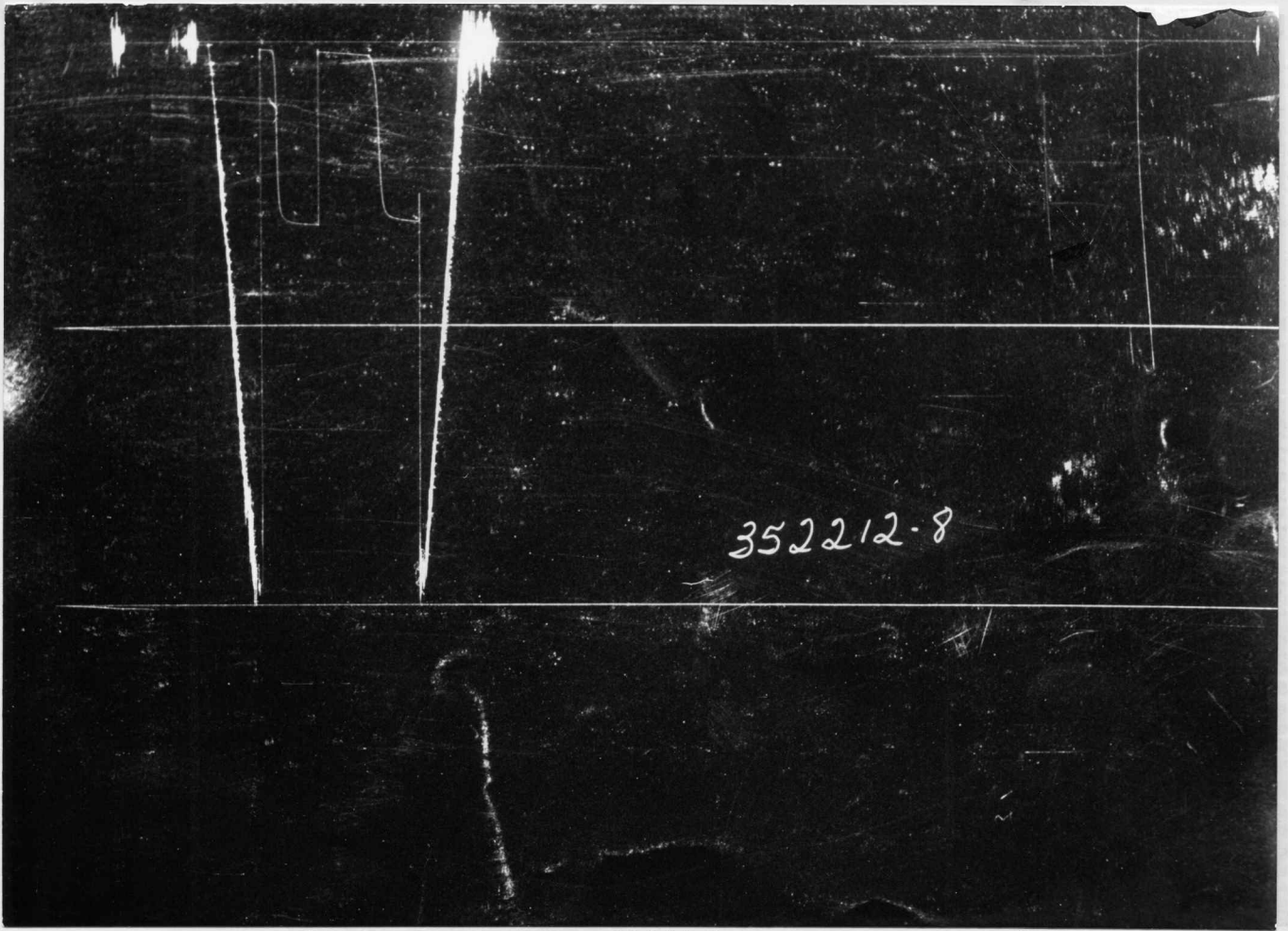
Gauge No. 8		Depth 3486'			Clock 24 hour		Ticket No. 352212			
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P <sub>0</sub>	.000	28	.000		32	.000	36	.000		48
P <sub>1</sub>	.0163	29	.0184		366	.0508	39	.0201		110
P <sub>2</sub>	.0326	30	.0368		609	.1016	41	.0402		377
P <sub>3</sub>	.0490	32	.0552		632	.1524	44	.0603		587
P <sub>4</sub>			.0736		638	.2030	48	.0804		616
P <sub>5</sub>			.0920		642			.1005		624
P <sub>6</sub>			.1104		644			.1206		627
P <sub>7</sub>			.1288		645			.1407		630
P <sub>8</sub>			.1472		646			.1608		633
P <sub>9</sub>			.1656		647			.1809		634
P <sub>10</sub>			.1840		647			.2010		636

Gauge No. 13		Depth 3526'			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	48	.000		53	.000	60	.000		68
P <sub>1</sub>	.0337	50	.0368		439	.1033	60	.040		130
P <sub>2</sub>	.0674	51	.0736		635	.2066	64	.080		396
P <sub>3</sub>	.1010	53	.1104		654	.3099	66	.120		608
P <sub>4</sub>			.1472		660	.4130	68	.160		637
P <sub>5</sub>			.1840		664			.200		645
P <sub>6</sub>			.2208		666			.240		650
P <sub>7</sub>			.2576		668			.280		652
P <sub>8</sub>			.2944		668			.320		654
P <sub>9</sub>			.3312		669			.360		656
P <sub>10</sub>			.3680		669			.400		657
Reading Interval	5		5.5			15		6		Minutes

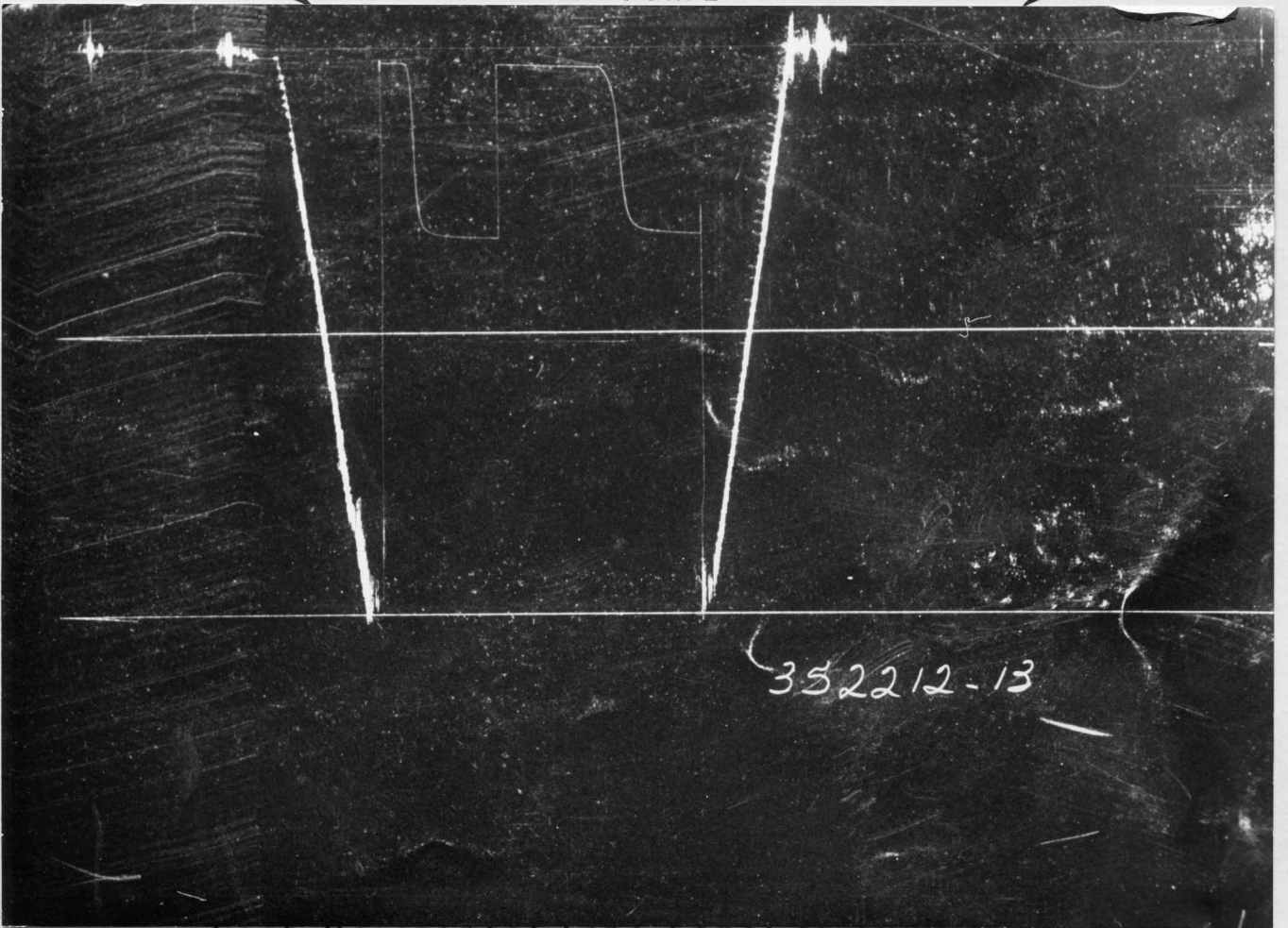
REMARKS:

**SPECIAL PRESSURE DATA**

PRESSURE



TIME



Each Horizontal Line Equal to 1000 p.s.i.