

Flow Time		1st	Min.	2nd	Min.	Date	Ticket Number
Closed In Press. Time		1st	Min.	2nd	Min.	Kind of Job	Halliburton District
Pressure Readings		Field		Office Corrected		Tester	Witness
Depth Top Gauge		Ft.		Blanked Off		Drilling Contractor	
BT. P.R.D. No.		Hour Clock				Elevation	Top Packer
Initial Hydro Mud Pressure						Total Depth	Bottom Packer
Initial Closed in Pres.						Interval Tested	Formation Tested
Initial Flow Pres.						Casing or Hole Size	Casing { Top Perfs. Bot.
Final Flow Pres.						Surface Choke	Bottom Choke
Final Closed in Pres.						Size & Kind Drill Pipe	Drill Collars Above Tester
Final Hydro Mud Pressure						Mud Weight	Mud Viscosity
Depth Cen. Gauge		Ft.		Blanked Off		Temperature	Anchor Size & Length
BT. P.R.D. No.		Hour Clock				Depths Mea. From	Depth of Tester Valve
Initial Hydro Mud Pres.						Cushion	Depth Back Pres. Valve
Initial Closed in Pres.						Recovered	Feet of Filtrate mud (watery)
Initial Flow Pres.						Recovered	Feet of Brackish drilling mud
Final Flow Pres.						Recovered	Feet of
Final Closed in Pres.						Recovered	Feet of
Final Hydro Mud Pres.						Oil A.P.I. Gravity	Water Spec. Gravity
Depth Bot. Gauge		Ft.		Blanked Off		Gas Gravity	Surface Pressure
BT. P.R.D. No.		Hour Clock				Tool Opened	Tool Closed
Initial Hydro Mud Pres.						Remarks	
Initial Closed in Pres.						Opened tool for 15 minute 1st flow with very	
Initial Flow Pres.						weak blow. Closed tool for 30 minute initial	
Final Flow Pres.						closed in pressure. Reopened tool for 60 minute	
Final Closed in Pres.						2nd flow with no blow for 4 minutes and then	
Final Hydro Mud Pres.						started very weak blow throughout test. Closed	
						tool for 30 minute final closed in pressure.	

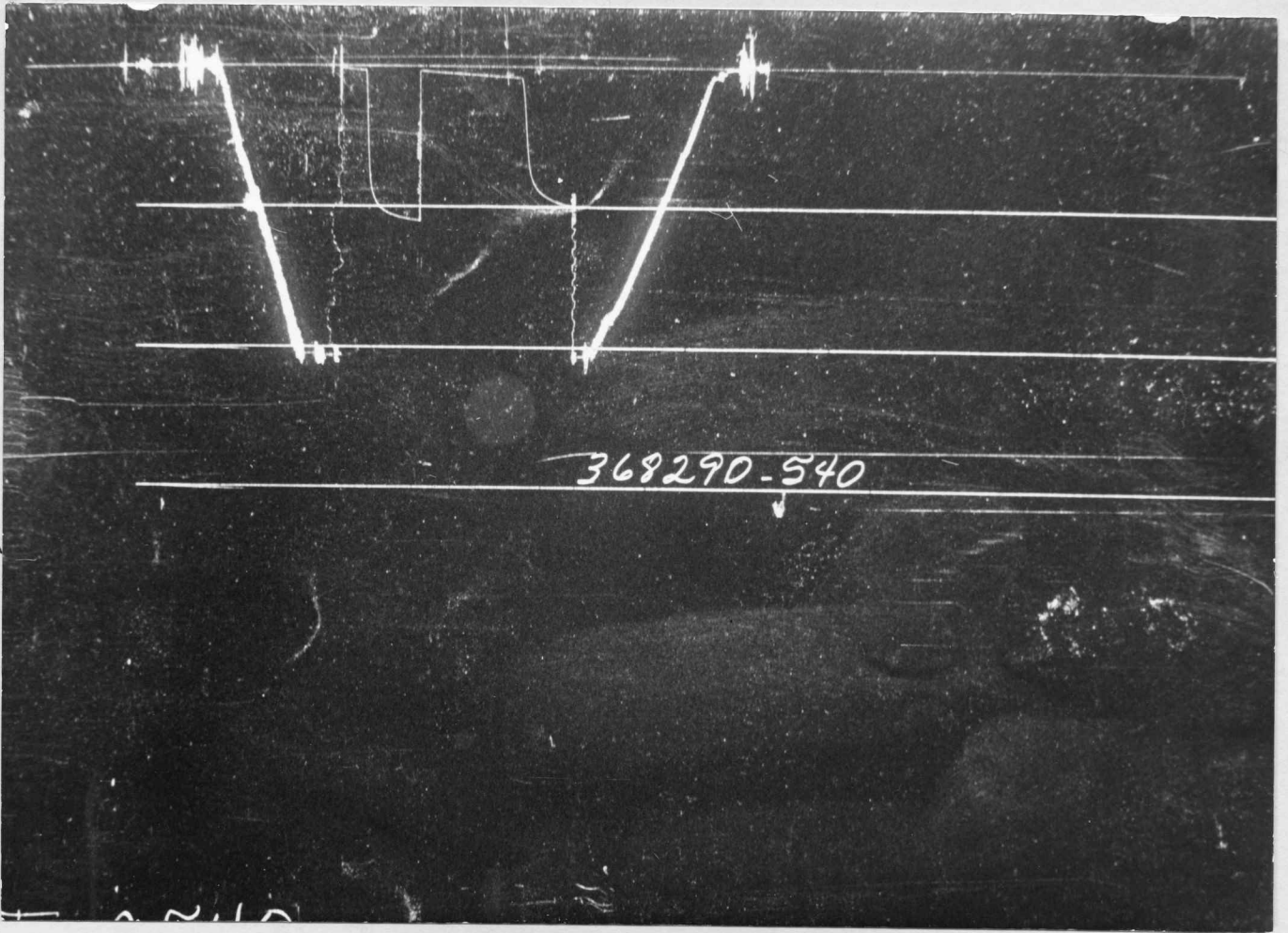
FORMATION TEST DATA

Gauge No. 540			Depth 4119'			Clock 12 hour		Ticket No. 368290		
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 ₀	.000	16	.000		31	.000	38	.000		80
P ₁	.020	20	.0213		868	.1005	47	.0205		516
P ₂	.040	24	.0426		978	.2010	58	.0410		808
P ₃	.060	26	.0639		1023	.3015	69	.0615		877
P ₄	.080	29	.0852		1047	.4020	80	.0820		913
P ₅	.100	31	.1065		1063			.1025		938
P ₆			.1278		1076			.1230		957
P ₇			.1491		1085			.1435		971
P ₈			.1704		1092			.1640		982
P ₉			.1917		1097			.1845		993
P ₁₀			.2130		1101			.2050		1008

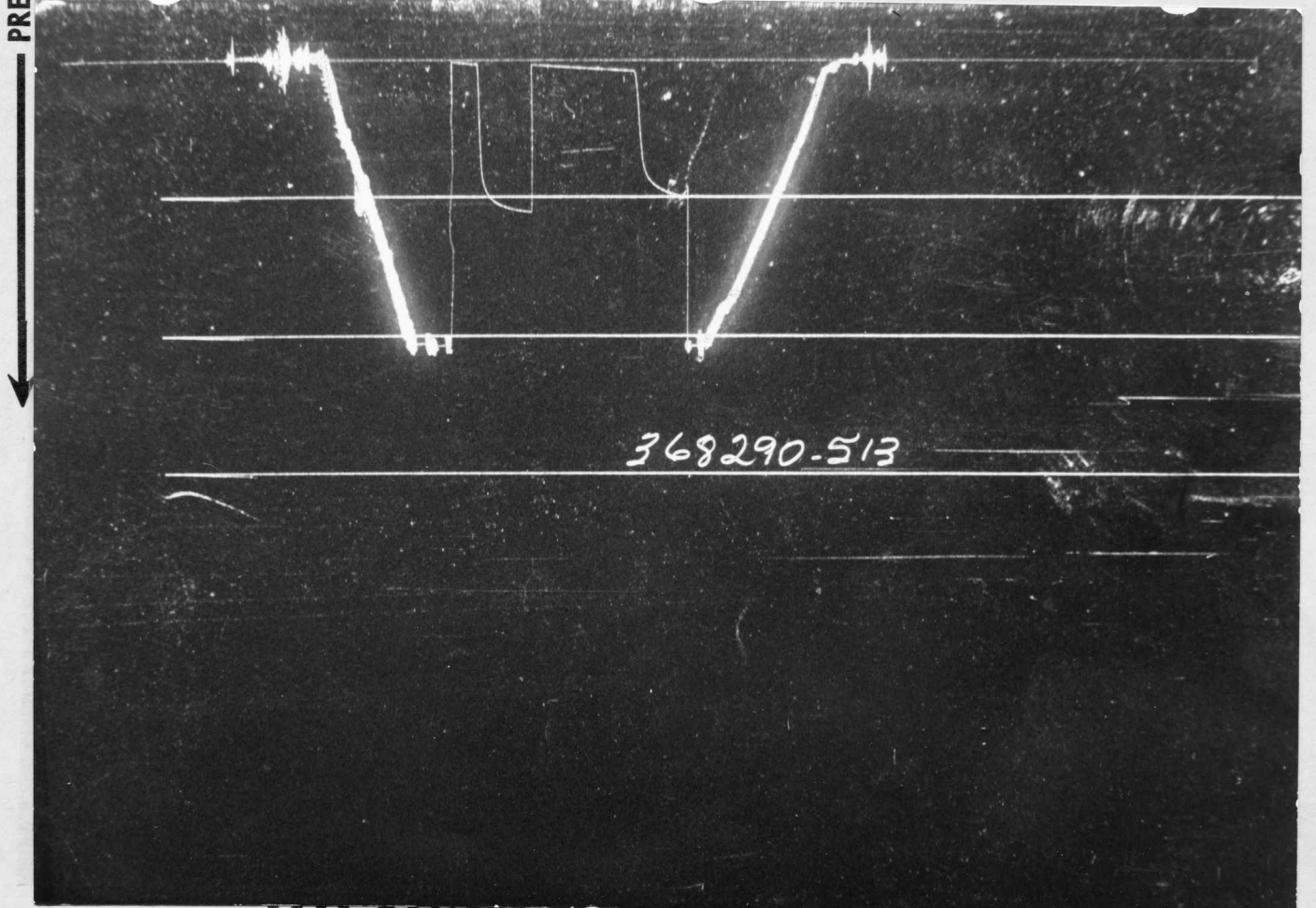
Gauge No. 513			Depth 4116'			Clock 12 hour				
P ₀	.000	28	.000		41	.000	46	.000		89
P ₁	.0204	30	.0212		897	.1018	57	.0205		505
P ₂	.0408	33	.0424		996	.2036	69	.0410		822
P ₃	.0612	37	.0636		1038	.3054	80	.0615		890
P ₄	.0816	41	.0848		1060	.4070	89	.0820		925
P ₅	.1020	41	.1060		1075			.1025		949
P ₆			.1272		1088			.1230		967
P ₇			.1484		1097			.1435		982
P ₈			.1696		1104			.1640		993
P ₉			.1908		1109			.1845		1002
P ₁₀			.2120		1113			.2050		1009
Reading Interval 3			3			15		3 Minutes		

SPECIAL PRESSURE DATA

↑
PRESSURE
↓



← TIME →



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

Legal Location
Sec. - Twp. - Rng.

SEC. 22 - 28 - 34

Field Area

EUBANK

County

HASKELL

State

KANSAS

Flow Time	1st 15	Min.	2nd 90	Min.	Date	5-16-64		Ticket Number	368291 S	
Closed In Press. Time	1st 30	Min.	2nd 45	Min.	Kind of Job	OPEN HOLE TEST		Halliburton District	LIBERAL	
Pressure Readings	Field		Office Corrected		Tester	MR. BOYDSTON		Witness	MR. BRINEGER	
Depth Top Gauge	4168		NO		Drilling Contractor	K & E DRILLING COMPANY				
BT. P.R.D. No.	540		12		Elevation	3032' K.B.		Top Packer	4162'	
Initial Hydro Mud Pressure	2178		2120		Total Depth	4185'		Bottom Packer	4167'	
Initial Closed in Pres.	1090		1085		Interval Tested	4167'-4185'		Formation Tested	KANSAS CITY LANSING	
Initial Flow Pres.	37		57		Casing or Hole Size	7 7/8"		Casing Perfs.	{ Top Bot.	
Final Flow Pres.	146		162		Surface Choke	1"		Bottom Choke	5/8"	
Final Closed in Pres.	1000		998		Size & Kind Drill Pipe	4 1/2" F.H. & 4" F.H.		Drill Collars Above Tester	WEIGHTED D.P.	
Final Hydro Mud Pressure	2142		2107		Mud Weight	9.5		Mud Viscosity	38	
Depth Cen. Gauge	Ft.		Blanked Off		Temperature	112		Anchor Size & Length	ID OD X	
BT. P.R.D. No.			Hour Clock		Depths Mea. From	KELLY BUSHINGS		Depth of Tester Valve	Ft.	
Initial Hydro Mud Pres.					Cushion	-		Depth Back Pres. Valve	Ft.	
Initial Closed in Pres.					Recovered	60		Feet of Watery mud		
Initial Flow Pres.	1				Recovered	240		Feet of Muddy saltwater		
Final Flow Pres.	1				Recovered			Feet of		
Final Closed in Pres.					Recovered			Feet of		
Final Hydro Mud Pres.					Oil A.P.I. Gravity	-		Water Spec. Gravity	-	
Depth Bot. Gauge	4181		YES		Gas Gravity	-		Surface Pressure	psi	
BT. P.R.D. No.	513		12		Tool Opened	9:00 AM		Tool Closed	11:15 AM	
Initial Hydro Mud Pres.	2199		2125		Remarks	Opened tool for 15 minute 1st flow with very weak blow. Closed tool for 30 minute initial closed in pressure. Reopened tool for 90 minute 2nd flow with very weak blow increasing to fair in 40 minutes. Closed tool for 45 minute final closed in pressure.				
Initial Closed in Pres.	1067		1089							
Initial Flow Pres.	37		56							
Final Flow Pres.	148		163							
Final Closed in Pres.	976		1004							
Final Hydro Mud Pres.	2163		2114							

FORMATION TEST DATA

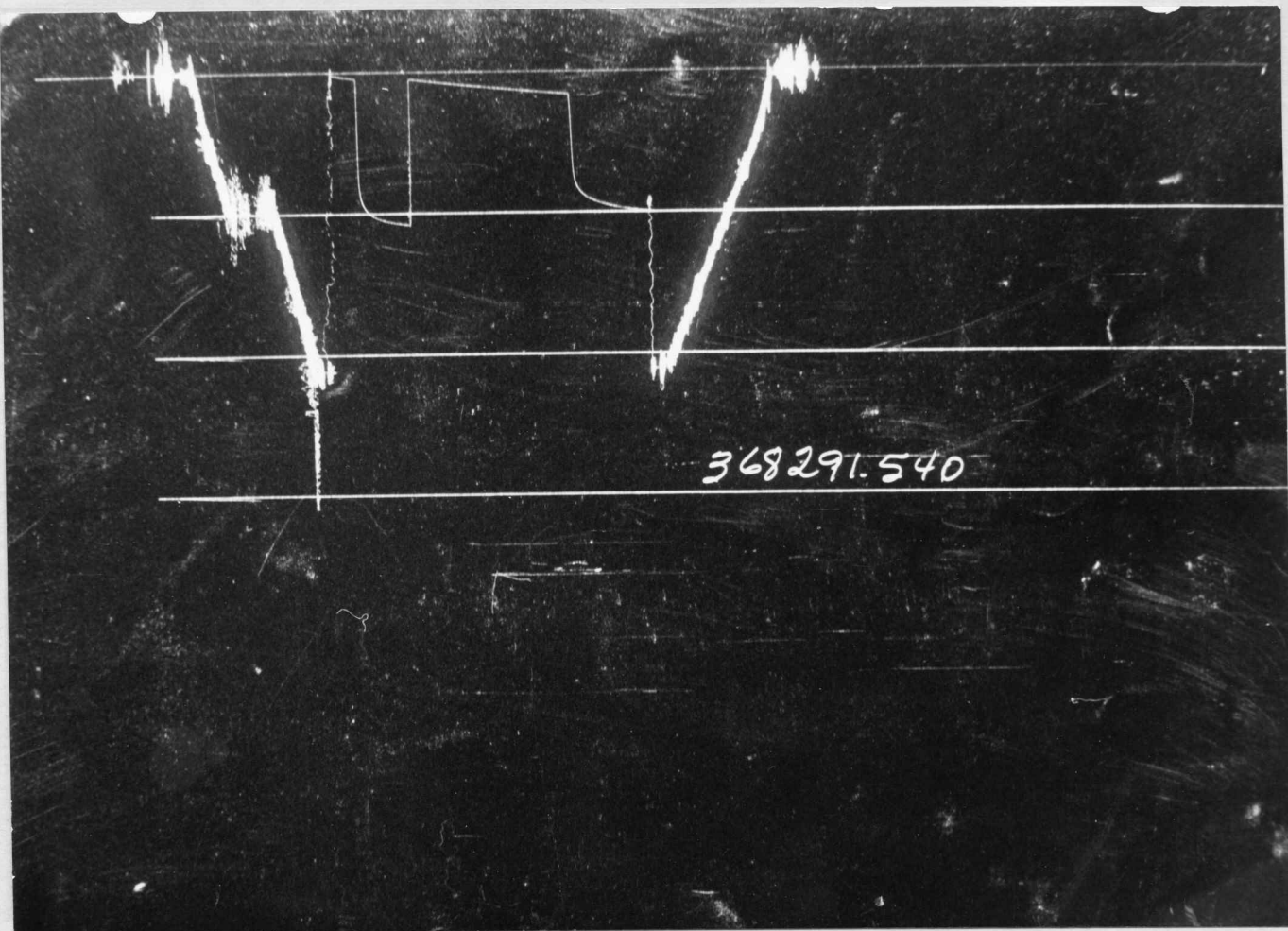
Gauge No. 540			Depth 4168'			Clock 12 hour		Ticket No. 368291		
First Flow Period			Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
	Time Defl. ".000"	PSIG Temp. Corr.	Time Defl. ".000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. ".000"	PSIG Temp. Corr.	Time Defl. ".000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P ₀	.000	22	.000		49	.000	57	.000		162
P ₁	.0194	26	.021		924	.1043	75	.0312		828
P ₂	.0388	33	.042		987	.2086	95	.0624		889
P ₃	.0582	38	.063		1020	.3129	113	.0936		920
P ₄	.0776	44	.084		1040	.4172	130	.1248		942
P ₅	.0970	49	.105		1052	.5215	146	.1560		957
P ₆			.126		1063	.6260	162	.1872		969
P ₇			.147		1070			.2184		980
P ₈			.168		1076			.2496		987
P ₉			.189		1081			.2808		995
P ₁₀			.210		1085			.3120		998

Gauge No. 513			Depth 4181'			Clock 12 hour				
P ₀	.000	22	.000		48	.000	56	.000		163
P ₁	.020	26	.0209		930	.1055	74	.0314		841
P ₂	.040	33	.0418		995	.2110	94	.0628		896
P ₃	.060	39	.0627		1024	.3165	113	.0942		927
P ₄	.080	43	.0836		1044	.4220	130	.1256		947
P ₅	.100	48	.1045		1057	.5275	146	.1570		962
P ₆			.1254		1066	.6330	163	.1884		974
P ₇			.1463		1075			.2198		982
P ₈			.1672		1080			.2512		991
P ₉			.1881		1086			.2826		998
P ₁₀			.2090		1089			.3140		1004

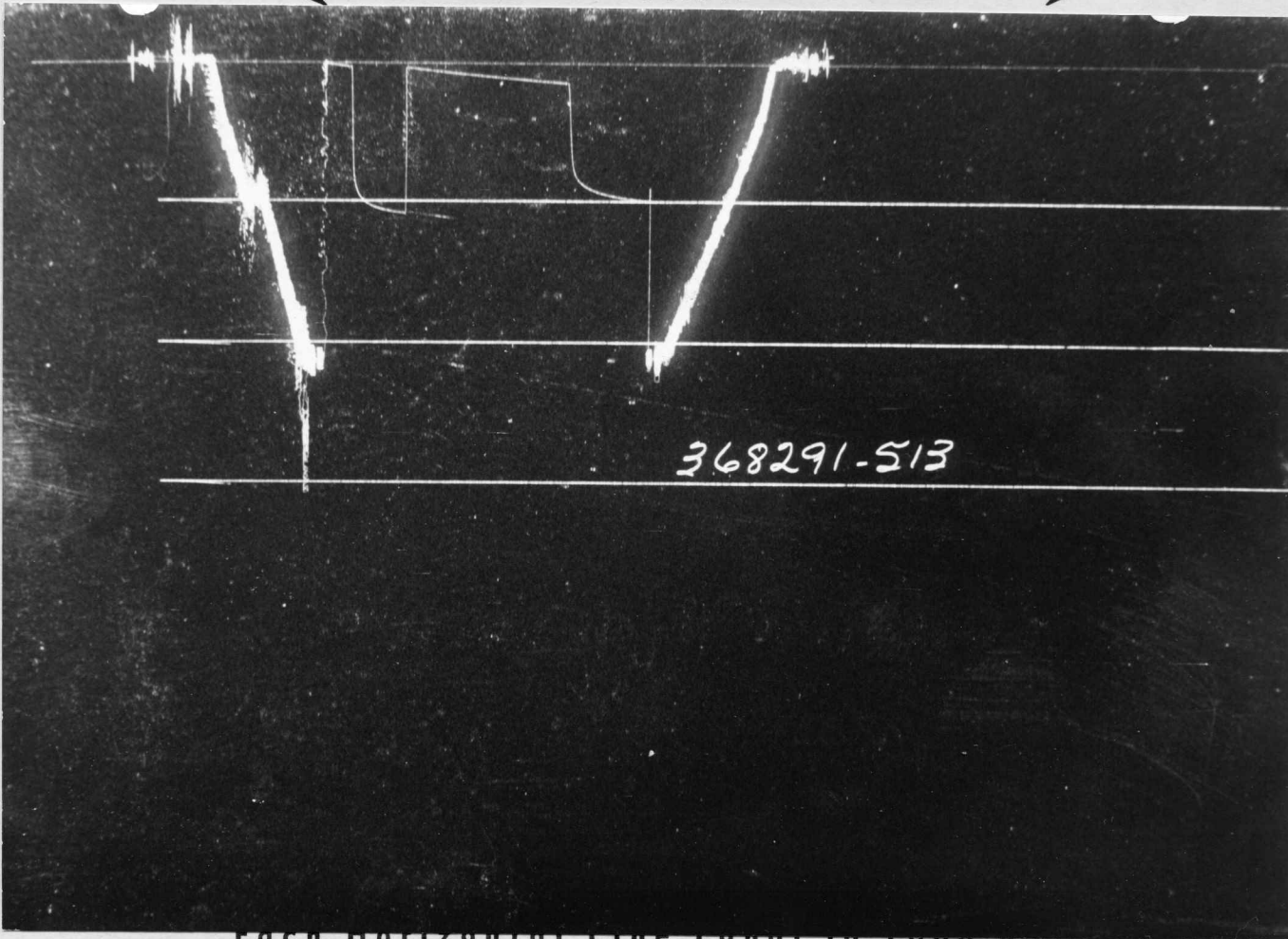
Reading Interval	3		3		15		4.5	Minutes
REMARKS:								

SPECIAL PRESSURE DATA

PRESSURE



TIME



EACH HORIZONTAL LINE EQUAL TO 1000 PSI.