

Flow Time				Date		Ticket Number	
1st	Min.	2nd	Min.				
5		60		2-17-66		459217 - S	
Closed In Press. Time				Kind of Job		Halliburton District	
30		30		OPEN HOLE		PRATT	
Pressure Readings				Tester		Witness	
Field				MR. SHAUERS		MR. RICHARDSON	
Depth Top Gauge				Drilling Contractor		IC	
4615	Ft.	NO	Blanked Off	COMPANY TOOLS			
BT. P.R.D. No.				Elevation		Top Packer	
1715		12	Hour Clock	2130' D.F.		4625'	
Initial Hydro Mud Pressure				Total Depth		Bottom Packer	
2411		2396		4665'		4630'	
Initial Closed in Pres.				Interval Tested		Formation Tested	
1471		1479		4630'-4665'		MISSISSIPPI	
Initial Flow Pres.				Casing or Hole Size		Casing Perfs. } Top Bot.	
8	1	17		7 7/8"		-	
Final Flow Pres.				Surface Choke		Bottom Choke	
8	1	17		1"		3/4"	
17	2	20				I.D. - LENGTH	
Final Closed in Pres.				Size & Kind Drill Pipe		Drill Collars Above Tester	
1412		1421		4 1/2" F.H.		WT. PIPE 930'	
Final Hydro Mud Pressure				Mud Weight		Mud Viscosity	
2393		2364		9.8		44	
Depth Cen. Gauge				Temperature		Anchor Size & Length	
	Ft.		Blanked Off	108		ID 3.84" OD 5.00" X 35'	
BT. P.R.D. No.				Depths Mea. From		Depth of Tester Valve	
			Hour Clock	KELLY BUSHINGS		4611' Ft.	
Initial Hydro Mud Pres.				Cushion		Depth Back Pres. Valve	
				-		-	
Initial Closed in Pres.				Recovered		Feet of Gas cut mud	
	1			30			
Initial Flow Pres.				Recovered		Feet of	
	2						
Final Flow Pres.				Recovered		Feet of	
	1						
	2						
Final Closed in Pres.				Recovered		Feet of	
Final Hydro Mud Pres.				Oil A.P.I. Gravity		Water Spec. Gravity	
				-		-	
Depth Bot. Gauge				Gas Gravity		Surface Pressure	
4661	Ft.	YES	Blanked Off	-		-	
BT. P.R.D. No.				Tool Opened		Tool Closed	
1717		12	Hour Clock	1:10 PM		3:15 PM	
Initial Hydro Mud Pres.				Remarks			
2468		2424		Opened tool for 5 minute 1st flow with weak			
Initial Closed in Pres.				blow increasing to strong. Closed tool for 30			
1485		1494		minute initial closed in pressure. Reopened tool			
Initial Flow Pres.				for 60 minute 2nd flow with strong blow through			
25	1	37					
25	2	41					
Final Flow Pres.				out test. Gas to surface in 20 minutes. (too			
25	1	34		small to measure.) Closed tool for 30 minute			
34	2	34		final closed in pressure.			
Final Closed in Pres.							
1434		1437					
Final Hydro Mud Pres.							
2442		2389					

FORMATION TEST DATA

WOLMARD

Well No.

Test No.

GABRIEL JONES DRILLING INCORPORATED

Lease Owner/Company Name

County

KIOWA

State

KANSAS

Owner's District

Lease Name

Legal Location

Sec. - Twp. - Rng. SEC. 32 - 27 - 16

C/N/E/SE

Field Area

N. HAWLAND

Mea. From Tester Valve

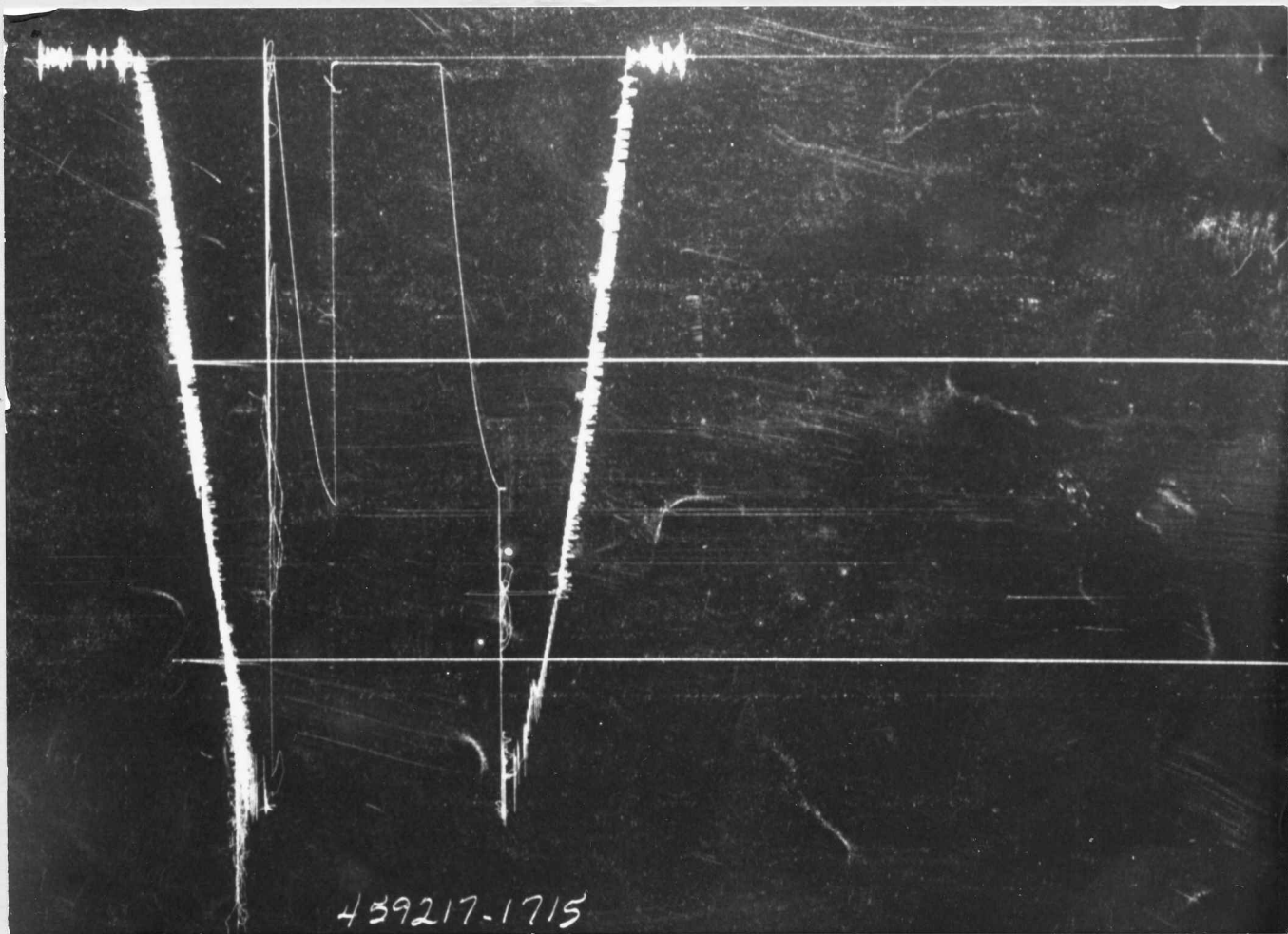
Gauge No. 1715			Depth 4615'			Clock 12 hour		Ticket No. 459217		
First Flow Period			Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.		Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P ₀	.000	17	.000		17	.000	32	.000		20
P ₁	.032	17	.0229		243	.107	16	.0218		256
P ₂			.0458		465	.214	17	.0436		462
P ₃			.0687		677	.321	19	.0654		673
P ₄			.0916		864	.428	20	.0872		851
P ₅			.1145		1057			.1090		1008
P ₆			.1374		1205			.1308		1149
P ₇			.1603		1322			.1526		1251
P ₈			.1832		1397			.1744		1332
P ₉			.2061		1448			.1962		1386
P ₁₀			.2290		1479			.2180		1421

Gauge No. 1717			Depth 4661'			Clock 12 hour				
P ₀	.000	37	.000		34	.000	41	.000		34
P ₁	.006	34	.0214		259	.1005	30	.0205		260
P ₂	.012	34	.0428		485	.2010	31	.0410		487
P ₃	.018	34	.0642		709	.3015	33	.0615		694
P ₄	.024	34	.0856		908	.4020	34	.0820		881
P ₅	.030	34	.1070		1083			.1025		1034
P ₆			.1284		1236			.1230		1167
P ₇			.1498		1341			.1435		1274
P ₈			.1712		1418			.1640		1348
P ₉			.1926		1464			.1845		1401
P ₁₀			.2140		1494			.2050		1437
Reading Interval 1			3			15		3 Minutes		

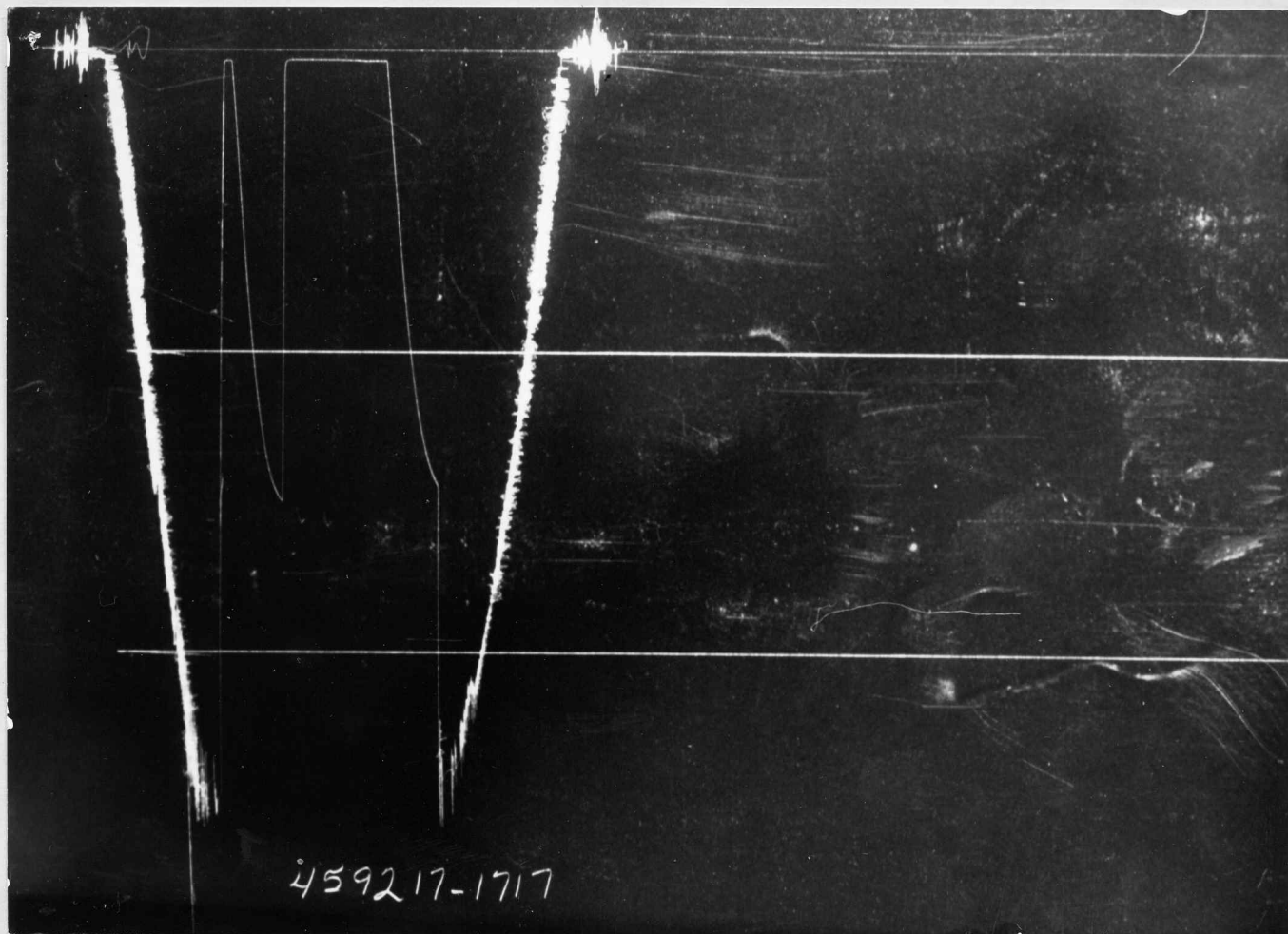
REMARKS:

SPECIAL PRESSURE DATA

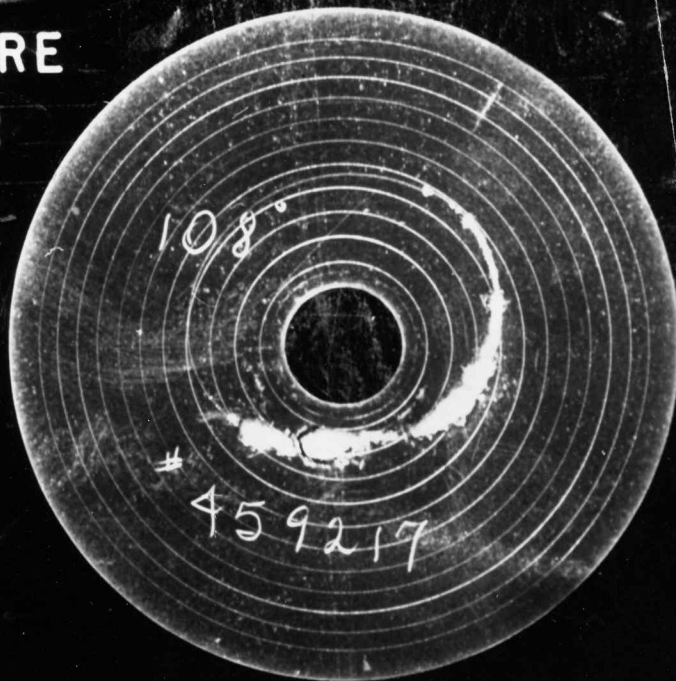
↑
PRESSURE
↓



← TIME →



TEMPERATURE
RECORDER
CHART



10° each circle

Flow Time	1st	Min.	2nd	Min.	Date	2-18-66	Ticket Number	459218	S	Legal Location Sec. - Twp. - Range C NE SE 32 27 16	
Closed In Press. Time	1st	Min.	2nd	Min.	Kind of Job	OPEN HOLE	Halliburton District	PRATT			
Pressure Readings	Field		Office Corrected		Tester	G. L. SHAUERS	Witness	J. MARK RICHARD			
Depth Top Gauge	4685	Ft.	no	Blanked Off	Drilling Contractor	COMPANY TOOLS				LC	Field Area N. HAVILAND County KIOWA
BT. P.R.D. No.	1715		12	Hour Clock	Elevation	2130' DF	Top Packer	4695'			
Initial Hydro Mud Pressure	2462		2428		Total Depth	4705'	Bottom Packer	4700'			
Initial Closed in Pres.	1506		1504		Interval Tested	4700' - 4705'	Formation Tested	Kinderhook		Med. From Tester Valve	
Initial Flow Pres.	8	1	*		Casing or Hole Size	7 7/8"	Casing Perfs.	Top			
Final Flow Pres.	17	2	27		Surface Choke	1"	Bottom Choke	3/4"			
Final Closed in Pres.	159	2	65		Size & Kind Drill Pipe	4 1/2" API FH	Drill Collars Above Tester	I.D. - LENGTH 2 1/4" - 120'		County KIOWA	
Final Hydro Mud Pressure	2445		2426		Mud Weight	9.6	Mud Viscosity	Wt. Pipe 900' 50			
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	109	*F Est. Anchor Size & Length	ID 3.84"	OD 5" X 5"		
BT. P.R.D. No.				Hour Clock	Depths Mea. From	Kelly Bushing	Depth of Tester Valve	4681	Ft.	County KIOWA	
Initial Hydro Mud Pres.					TYPE	AMOUNT	Depth Back Pres. Valve	-	Ft.		
Initial Closed in Pres.					Cushion	-					
Initial Flow Pres.		1			Recovered	60	Feet of heavily oil & gas cut mud.			County KIOWA	
Final Flow Pres.		2			Recovered	90	Feet of muddy gassy oil.				
Final Closed in Pres.		1			Recovered	2875	Feet of gas in drill pipe.				
Initial Hydro Mud Pres.		2			Recovered		Feet of			County KIOWA	
Initial Closed in Pres.					Oil A.P.I. Gravity	37	Water Spec. Gravity	-			
Initial Flow Pres.					Gas Gravity	-	Surface Pressure	-			
Final Flow Pres.					Depth Bot. Gauge	4701	Ft.	yes	Blanked Off	State KANSAS	
BT. P.R.D. No.	1717		12	Hour Clock	Tool Opened	7:40 A.M.	A.M. P.M.	Tool Closed	9:45 A.M.		
Initial Hydro Mud Pres.	2477		2444		Remarks	Opened tool for a 5 minute first flow with					
Initial Closed in Pres.	1519		1515			weak blow. Took a 30 minute initial closed in					
Initial Flow Pres.	42	1	43			pressure. Reopened tool for a 60 minute second					
Final Flow Pres.	297	2	31			flow with weak blow increasing to strong blow					
Final Closed in Pres.	25	1	185			throughout test. Closed tool for a 30 minute					
Final Hydro Mud Pres.	68	2	71			final closed in pressure. * UNABLE TO READ					

FORMATION TEST DATA

Gauge No. 1715		Depth 4685'		Clock 12 hour		Ticket No. 459218	
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"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P ₀	UNABLE TO READ	.000		*	.000	27	65
P ₁		.0198		762	.1075	34	574
P ₂		.0396		1181	.2150	47	1237
P ₃		.0594		1394	.3225	55	1406
P ₄		.0792		1457	.4300	65	1435
P ₅		.0990		1478			1448
P ₆		.1188		1489			1456
P ₇		.1386		1495			1462
P ₈		.1584		1499			1466
P ₉		.1782		1503			1469
P ₁₀		.1980		1504			1473

Gauge No.			Depth			Clock		12 hour	
1717			4701'						
P ₀	.000	43	.000		185	.000	31	.000	71
P ₁	.036	**185	.0209		*	.1015	41	.0221	535
P ₂			.0418		809	.2030	53	.0442	1217
P ₃			.0627		1256	.3045	60	.0663	1414
P ₄			.0836		1437	.4060	71	.0884	1444
P ₅			.1045		1482			.1105	1457
P ₆			.1254		1497			.1326	1465
P ₇			.1463		1505			.1547	1471
P ₈			.1672		1509			.1768	1475
P ₉			.1881		1513			.1989	1479
P ₁₀			.2090		1515			.2210	1482
			3			15		3 Minutes	

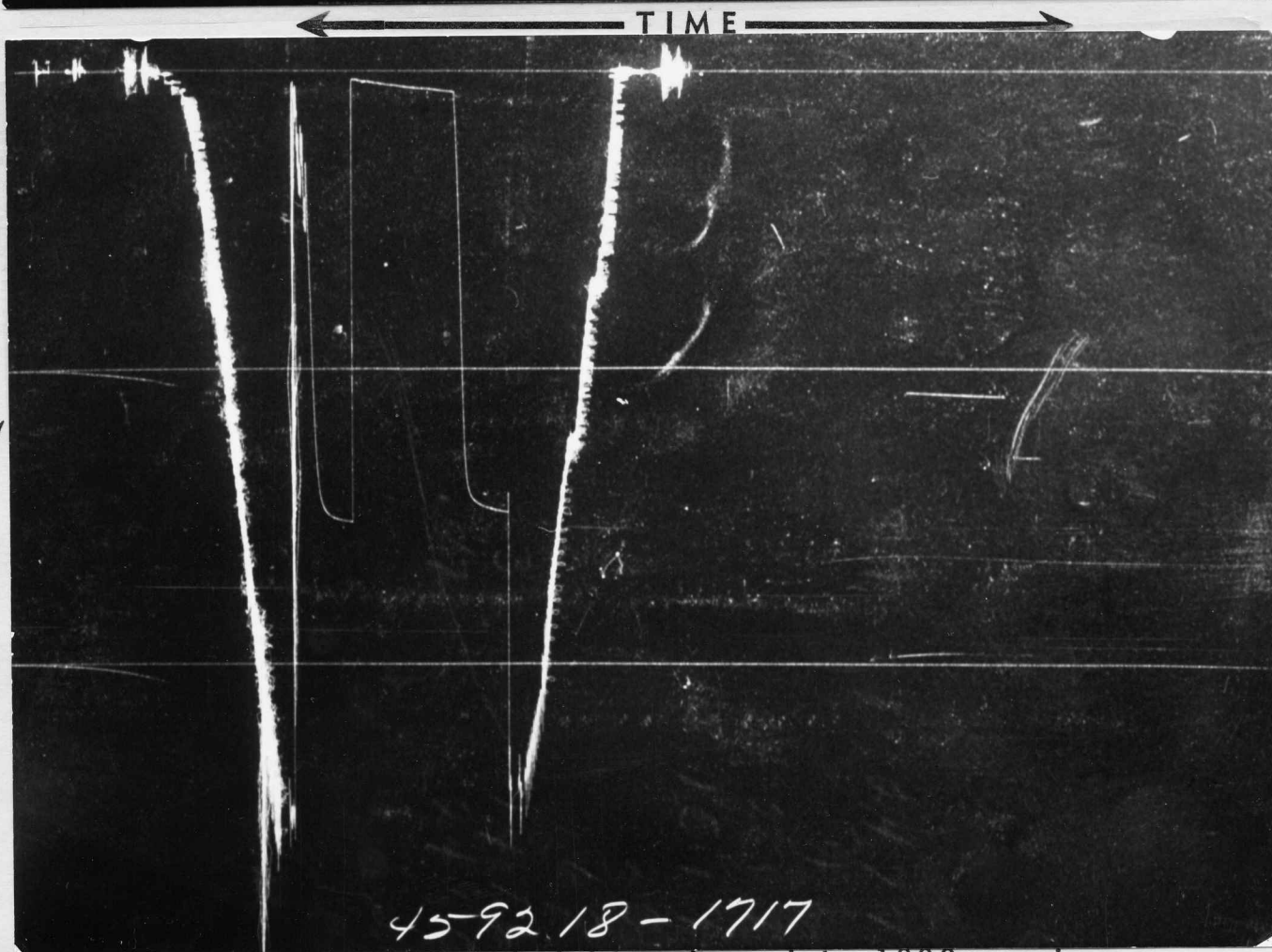
REMARKS: * - Unable to read ** - Questionable

SPECIAL PRESSURE DATA

↑
PRESSURE
↓



↑
PRESSURE
↓



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