

Flow Time	1st 34 Min.	2nd 30 Min.	Date	6-20-63	Ticket Number	395858 S
Closed In Press. Time	1st 29 Min.	2nd 30 Min.	Kind of Job	OPEN HOLE	Halliburton District	HAYS, KANSAS
Pressure Readings	Field	Office Corrected	Tester	DUB SELLERS	Witness	GLEASON TAPP
Depth Top Gauge	3250 Ft.	no Blanked Off	Drilling Contractor	MURFIN DRILLING COMPANY		
BT. P.R.D. No.	294	12 Hour Clock	Elevation	2207' DF	Top Packer	3242'
Initial Hydro Mud Pressure		1736	Total Depth	3299'	Bottom Packer	3248'
Initial Closed in Pres.		1150	Interval Tested	51'	Formation Tested	Topeka
Initial Flow Pres.		1 32	Casing or Hole Size	9"	Casing } Top	
		2 335			Perfs. } Bot.	
Final Flow Pres.		1 328	Surface Choke	1/4"	Bottom Choke	1"
Final Closed in Pres.		1145	Size & Kind Drill Pipe	4 1/2" FH	I.D. - LENGTH Drill Collars Above Tester 2.764" x 1,020"	
Final Hydro Mud Pressure		1707	Mud Weight	10.1	Mud Viscosity	41
Depth Cen. Gauge		Blanked Off	Temperature		Anchor Size	ID 3.84" X 51'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	Derrick Floor	Depth of Tester Valve	3227 Ft.
Initial Hydro Mud Pres.			TYPE AMOUNT		Depth Back Pres. Valve	
Initial Closed in Pres.			Cushion	--		
Initial Flow Pres.		1	Recovered	1135	Feet of muddy salt water.	
Final Flow Pres.		2	Recovered		Feet of	
Initial Flow Pres.		1	Recovered		Feet of	
Final Flow Pres.		2	Recovered		Feet of	
Initial Closed in Pres.			Recovered	SEP 12 1963	Feet of	
Initial Hydro Mud Pres.			Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	3295 Ft.	yes Blanked Off	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	374	12 Hour Clock	Tool Opened	4:26 - 5:29PM A.M. P.M.	Tool Closed	5:00 - 5:59 PM A.M. P.M.
Initial Hydro Mud Pres.	1758	1769	Remarks Tool opened for a 34 minute first flow with			
Initial Closed in Pres.	1164	1178	a weak steady blow through out test. Closed tool for			
Initial Flow Pres.	34	1 54	a 29 minute initial closed in pressure. Reopened			
Final Flow Pres.	341	2 357	tool for a 30 minute second flow. Closed tool for			
Final Flow Pres.	341	1 347	a 30 minute final closed in pressure.			
Final Flow Pres.	546	2 547				
Final Closed in Pres.	1147	1170				
Final Hydro Mud Pres.	1732	1732				

O. E. TREXLER
 Lease Name
 Legal Location
 Sec. - Twp. - Rng.
 SE NW 4 15-9-21
 Well No. 13
 Test No. 1
 Field Area
 MORELL
 County
 GRAHAM
 State
 KANSAS
 Continental Oil Company
 Lease Owner/Company Name
 PLAINVILLE
 Owner's District

FORMATION TEST DATA

5-2

Gauge No. 294		Depth 3250'		Clock 12 hour		Ticket No. 395858				
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	32	.000		328	.000	335	.000		525
P ₁	.0518	118	.0194		991	.0478	389	.0211		1018
P ₂	.1036	191	.0388		1048	.0956	437	.0422		1063
P ₃	.1554	254	.0582		1078	.1434	482	.0633		1086
P ₄	.220	328*	.0776		1097	.205	525**	.0844		1102
P ₅			.0970		1112			.1055		1114
P ₆			.1164		1124			.1266		1122
P ₇			.1358		1133			.1477		1129
P ₈			.1552		1140			.1688		1135
P ₉			.1746		1146			.1899		1141
P ₁₀			.1940		1150			.2110		1145

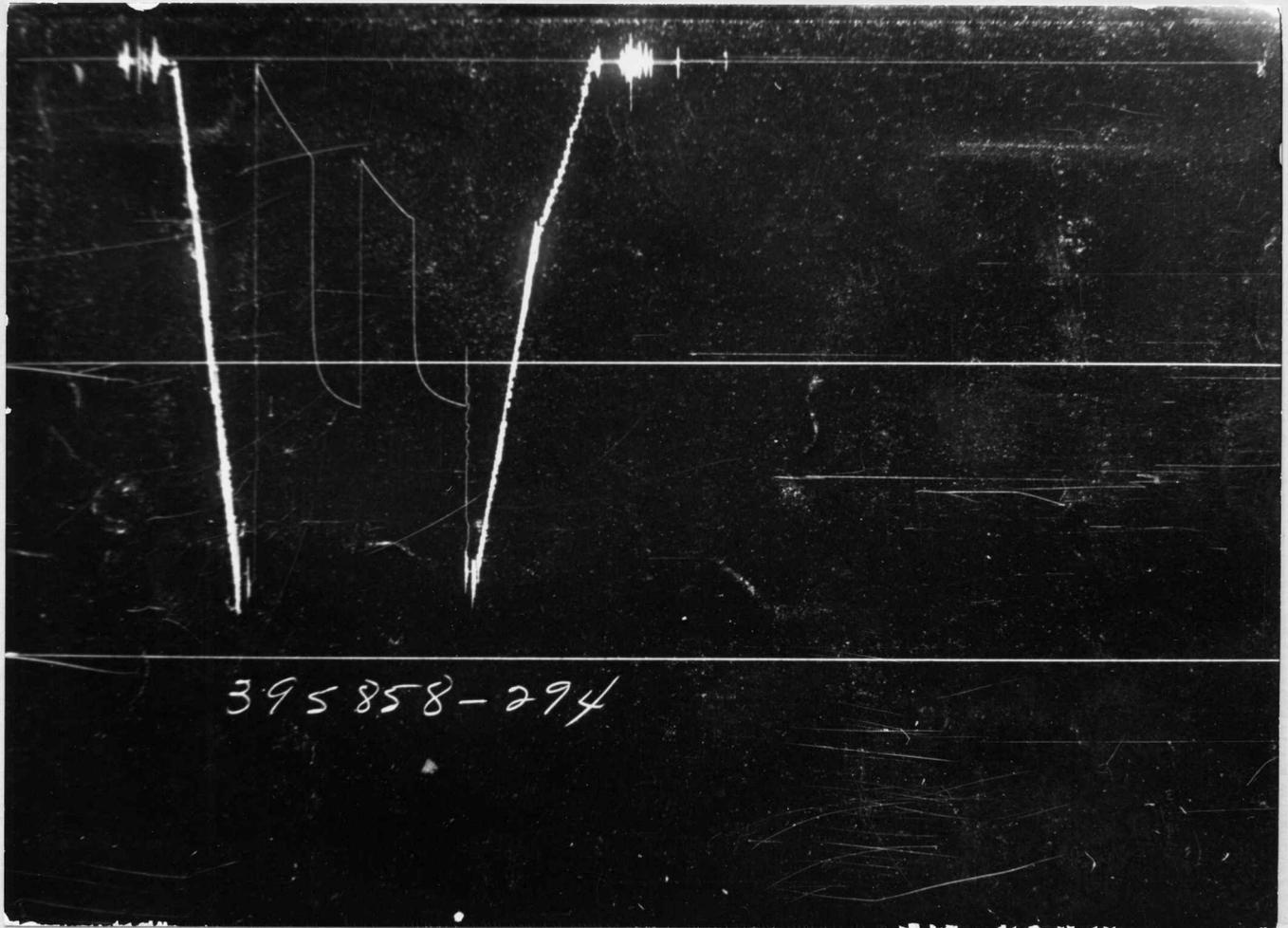
Gauge No. 374		Depth 3295'		Clock 12 hour	
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
P ₀	.000	54	.000		347
P ₁	.0522	138	.0198		1017
P ₂	.1044	210	.0396		1074
P ₃	.1566	274	.0594		1104
P ₄	.222	347*	.0792		1125
P ₅			.0990		1140
P ₆			.1188		1151
P ₇			.1386		1159
P ₈			.1584		1167
P ₉			.1782		1173
P ₁₀			.1980		1178

Reading Interval 8 2.9 7 3 Minutes

REMARKS: * Last interval equal to 10 minutes. ** Last interval equal to 9 minutes.

SPECIAL PRESSURE DATA

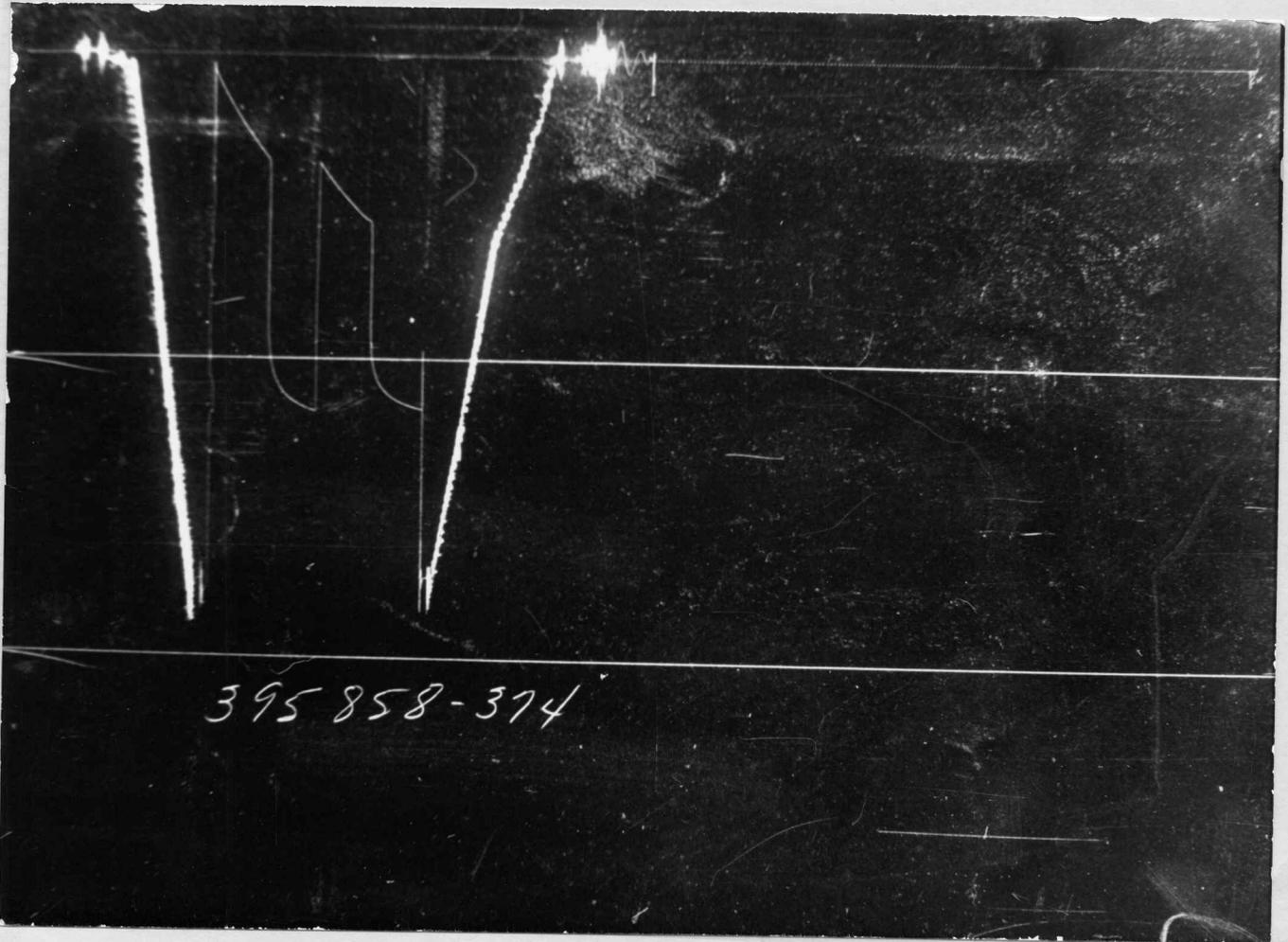
↑
PRESSURE



395858-294

← TIME →

↓
PRESSURE



395858-374

Flow Time	1st 30	Min.	2nd 30	Min.	Date	6-3-63	Ticket Number	395859 S
Closed In Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	OPEN HOLE	Halliburton District	HAYS
Pressure Readings	Field		Office Corrected		Tester	SELLERS	Witness	GLEASON TAPP
Depth Top Gauge	3303	Ft.	No	Blanked Off	Drilling Contractor	MURFIN DRILLING CO.		
BT. P.R.D. No.	294		12	Hour Clock	Elevation	2207' DF	Top Packer	3295'
Initial Hydro Mud Pressure			1787		Total Depth	3313'	Bottom Packer	3301'
Initial Closed in Pres.			1140		Interval Tested	12'	Formation Tested	Topeka
Initial Flow Pres.		1	25		Casing or Hole Size	9"	Casing Perfs.	Top
		2	112					Bot.
Final Flow Pres.		1	106		Surface Choke	1/4"	Bottom Choke	1"
		2	171					
Final Closed in Pres.			1116		Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	I.D. - LENGTH 2.764" - 1,020'
Final Hydro Mud Pressure			1758		Mud Weight	10.1	Mud Viscosity	41
Depth Cen. Gauge	3309	Ft.	Yes	Blanked Off	Temperature	83	Anchor Size & Length	ID 3.84 OD 5" X 12
BT. P.R.D. No.	374		12	Hour Clock	Depths Mea. From	DF	Depth of Tester Valve	3275 Ft.
Initial Hydro Mud Pres.	1784		1793		TYPE AMOUNT		Depth Back Pres. Valve	Ft.
Initial Closed in Pres.	1155		1146		Cushion			
Initial Flow Pres.	170	1	26		Recovered	275	Feet of Muddy Water	
	102	2	115		Recovered		Feet of	
Final Flow Pres.	102	1	107		Recovered		Feet of	
	170	2	174		Recovered		Feet of	
Final Closed in Pres.	1112		1121		Recovered		Feet of	
Final Hydro Mud Pres.	1767		1762		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	5:05-6:05 AM	Tool Closed	5:35-6:35 AM
Initial Hydro Mud Pres.					Remarks Tool opened with very weak blow for a 30 min.			
Initial Closed in Pres.					first flow. Rotated tool for a 30 minute initial			
Initial Flow Pres.		1			closed in pressure. Reopened tool with a very			
		2			weak steady blow for a 30 minute second flow. Took			
Final Flow Pres.		1			a 30 minute final closed in pressure.			
		2						
Final Closed in Pres.								
Final Hydro Mud Pres.								

 Legal Location
 Sec. - Twp. - Rng.

SE NW 1/4 15 9 S 21

13

2

Field Area

MERRELL

County GRAHAM

Lease Owner/Company Name

CONTINENTAL OIL COMPANY

State KANSAS

Owner's District

PLAINVILLE

 O. E. TREXLER
 Lease Name

 13
 Well No.

 2
 Test No.

 CONTINENTAL OIL COMPANY
 Lease Owner/Company Name

 PLAINVILLE
 Owner's District

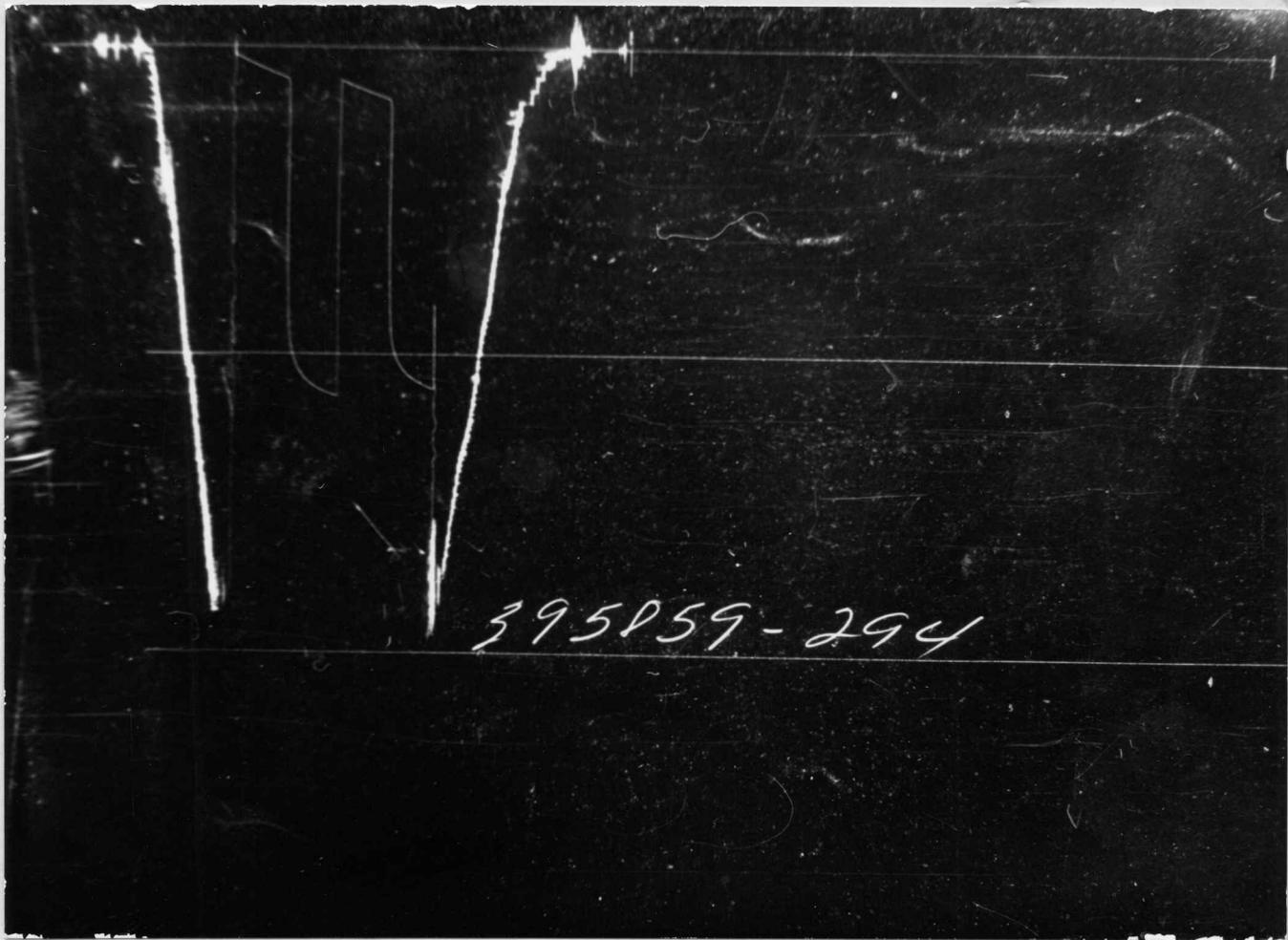
FORMATION TEST DATA

5-2

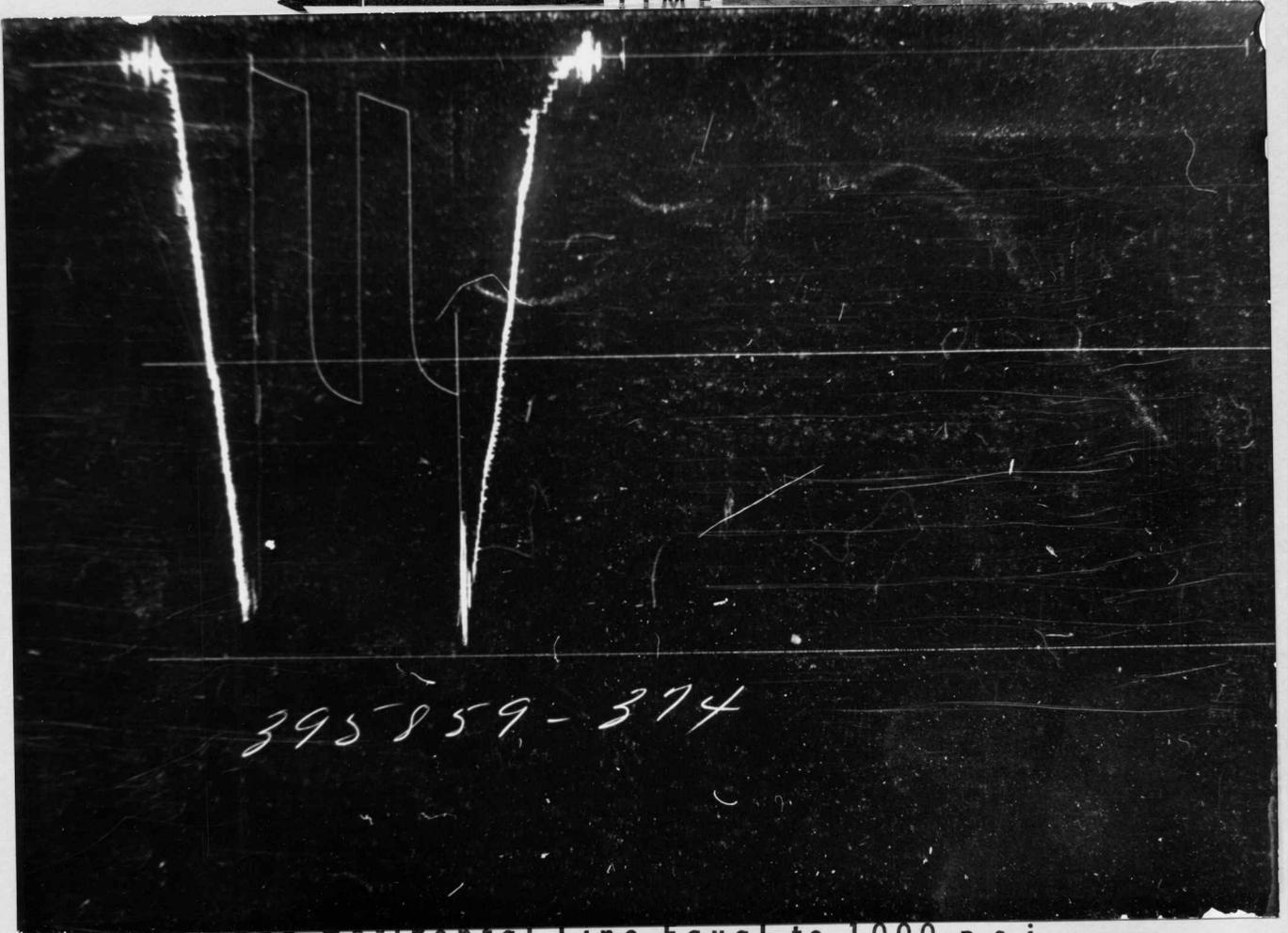
Gauge No. 294		Depth 3303			Clock 12 hour		Ticket No. 395859			
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.	
P ₀	.000	25	.000		106	.000	112	.000		171
P ₁	.0416	44	.020		986	.038	124	.018		964
P ₂	.0832	61	.040		1042	.076	136	.036		1018
P ₃	.1248	77	.060		1070	.114	148	.054		1046
P ₄	.1644	92	.080		1090	.152	160	.072		1064
P ₅	.2080	106	.100		1104	.190	171	.090		1078
P ₆			.120		1115			.108		1089
P ₇			.140		1123			.126		1097
P ₈			.160		1130			.144		1105
P ₉			.180		1135			.162		1111
P ₁₀			.200		1140			.180		1116
Gauge No. 374		Depth 3309			Clock 12 hour					
P ₀	.000	26	.000		107	.000	115	.000		174
P ₁	.043	44	.0195		1006	.039	124	.018		989
P ₂	.086	61	.0390		1051	.078	137	.036		1030
P ₃	.129	78	.0585		1078	.117	149	.054		1054
P ₄	.172	92	.0780		1097	.156	161	.072		1072
P ₅	.215	107	.0975		1109	.195	174	.090		1084
P ₆			.1170		1120			.108		1094
P ₇			.1365		1128			.126		1101
P ₈			.1560		1135			.144		1109
P ₉			.1755		1141			.162		1116
P ₁₀			.1950		1146			.180		1121
Reading Interval 6		3			6		3			Minutes
REMARKS:										

SPECIAL PRESSURE DATA

PRESSURE



TIME



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