

Flow Time	1st 15	Min.	2nd 20	Min.	Date	9-10-64	Ticket Number	393875 S
Closed In Press. Time	1st 40	Min.	2nd -	Min.	Kind of Job	OPEN HOLE	Halliburton District	LIBERAL
Pressure Readings	Field		Office Corrected		Tester	R. WHITE	Witness	MAX PARIS
Depth Top Gauge	4515	Ft.	Blanked No Off		Drilling Contractor	MORAN BROS.	jm	
BT. P.R.D. No.	196		12 Hour Clock		Elevation	2742 GL	Top Packer	4524'
Initial Hydro Mud Pressure	2135		2122		Total Depth	4550'	Bottom Packer	4529'
Initial Closed in Pres.	1491		1478		Interval Tested	4529-4550'	Formation Tested	Lansing
Initial Flow Pres.	30		1	22	Casing or Hole Size	7 7/8"	Casing Perfs. {	Top
	90		2	39				Bot.
Final Flow Pres.	45		1	43	Surface Choke	1"	Bottom Choke	3/4"
	52		2	45				
Final Closed in Pres.	-		-		Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	I.D. - LENGTH 2 1/2" X 153'
Final Hydro Mud Pressure	2105		2107		Mud Weight	9	Mud Viscosity	38
Depth Cen. Gauge		Ft.	Blanked Off		Temperature	110	Anchor Size & Length	ID 2 1/2" X 21 OD 5"
BT. P.R.D. No.			Hour Clock		Depths Mea. From	Ground Level	Depth of Tester Valve	4510' Ft.
Initial Hydro Mud Pres.					TYPE	AMOUNT	Depth Back Pres. Valve	Ft.
Initial Closed in Pres.			2107		Cushion	-		
Initial Flow Pres.			1		Recovered	20	Feet of	Drilling Mud
Final Flow Pres.			2		Recovered		Feet of	
Final Closed in Pres.			1		Recovered		Feet of	
Final Hydro Mud Pres.			2		Recovered		Feet of	
Depth Bot. Gauge	4546	Ft.	Blanked Yes Off		Oil A.P.I. Gravity		Water Spec. Gravity	
BT. P.R.D. No.	699		12 Hour Clock		Gas Gravity		Surface Pressure	psi
Initial Hydro Mud Pres.	2168		2128		Tool Opened	1:25 p. m.	Tool Closed	2:42 p. m.
Initial Closed in Pres.	1497		1491		Remarks	Tool opened with a very weak blow for a 15 minute first flow. Closed tool for a 40 minute		
Initial Flow Pres.	77		1	79		initial closed in pressure. Reopened tool with		
Final Flow Pres.	93		2	82		no blow, by-passed tool at 2:32 p. m., reopened		
Final Closed in Pres.	46		1	77		still no blow at 2:34 p. m. Off bottom at 2:42 p. m.		
Final Hydro Mud Pres.	2122		2117		Charts indicate plugging throughout test.			

FORMATION TEST DATA

Legal Location C SE NW 11 34 32

Well No.

Field Area

County

SEWARD

State

KANSAS

Owner's District

LYNN 9A 32

Lease Name

Test No.

ANADARKO PRODUCTION COMPANY

Lease Owner/Company Name

LIBERAL

Owner's District

Gauge No. 196			Depth 4515			Clock 12 hour		Ticket No. 393875		
First Flow Period			Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.
P ₀	.000	22	.000		43	.000	39			
P ₁	.103	43	.0275		1086	.153	45			
P ₂			.0650		1274					
P ₃			.0825		1347					
P ₄			.1100		1387					
P ₅			.1375		1417					
P ₆			.1650		1436					
P ₇			.1925		1452					
P ₈			.2200		1463					
P ₉			.2475		1472					
P ₁₀			.2750		1478					

Gauge No. 699			Depth 4546			Clock 12 hour				
P ₀	.000	79	.000		77	.000	82			
P ₁	.103	77	.026		1149	.150	57			
P ₂			.052		1304					
P ₃			.078		1369					
P ₄			.104		1407					
P ₅			.130		1433					
P ₆			.156		1451					
P ₇			.182		1464					
P ₈			.208		1476					
P ₉			.234		1483					
P ₁₀			.260		1491					

Reading Interval	4	Minutes
REMARKS: Charts indicate plugging throughout test.		

↑
PRESSURE
↓

← TIME →

393875-196

393875-699

EGCH 110120101 0100 0100 0100

Flow Time	1st 11 Min.	2nd 50 Min.	Date	9-17-64	Ticket Number	393802
Closed In Press. Time	1st 30 Min.	2nd 40 Min.	Kind of Job	OPEN HOLE	Halliburton District	LIBERAL
Pressure Readings	Field	Office Corrected	Tester	R. WHITE	Witness	C. DAVIS
Depth Top Gauge	5907 Ft.	No Blanked Off	Drilling Contractor	MORAN BROS INC.	JM	
BT. P.R.D. No.	1606	12 Hour Clock	Elevation	2745' GL	Top Packer	5917'
Initial Hydro Mud Pressure	2841	2828	Total Depth	6070'	Bottom Packer	5922'
Initial Closed in Pres.	83	76	Interval Tested	5922-6070'	Formation Tested	Mississippi
Initial Flow Pres.	50	1 50 2 53	Casing or Hole Size	7 7/8"	Casing Perfs. { Top Bot.	
Final Flow Pres.	58	1 50 2 53	Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.	65	71	Size & Kind Drill Pipe	4 1/2" EH	I.D. - LENGTH Drill Collars Above Tester	2 1/2" X 300'
Final Hydro Mud Pressure	2808	2798	Mud Weight	8.9	Mud Viscosity	43
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	132 °F Est. °F Actual	Anchor Size & Length	ID 2 1/2" OD 5" X 32'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	Ground Level	Depth of Tester Valve	5902' Ft.
Initial Hydro Mud Pres.			TYPE AMOUNT		Depth Back Pres. Valve	Ft.
Initial Closed in Pres.			Cushion	none		
Initial Flow Pres.	1		Recovered	90 Feet of	Drilling Mud	
Final Flow Pres.	2		Recovered	Feet of		
Final Flow Pres.	1		Recovered	Feet of		
Final Closed in Pres.	2		Recovered	Feet of		
Final Hydro Mud Pres.			Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	6066 Ft.	Blanked Off Yes	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	1605	12 Hour Clock	Tool Opened	5:35 a.m.	A.M. P.M. Tool Closed	7:51 a.m. A.M. P.M.
Initial Hydro Mud Pres.	2902	2902	Remarks	Tool opened with a very weak blow for a 11		
Initial Closed in Pres.	149	149	minute first flow. Closed tool for a 30 minute			
Initial Flow Pres.	116	1 123 2 126	initial closed in pressure. Reopened tool at			
Final Flow Pres.	132	1 123 2 126	6:16 a.m., very weak blow, dead at 6:50 a.m.			
Final Closed in Pres.	141	142	Closed in for a 40 minute final closed in pressure.			
Final Hydro Mud Pres.	2870	2873	No special reading adaptable.			

FORMATION TEST DATA

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given,
Fresh Water Corrected to 100° F.

LYNN
Lease Name
A-1
Well No.
2
Test No.
ANADARKO PRODUCTION COMPANY
Lease Owner/Company Name
LIBERAL
Owner's District

Legal Location C SE NW 11 34 32

Field Area

ARKALON

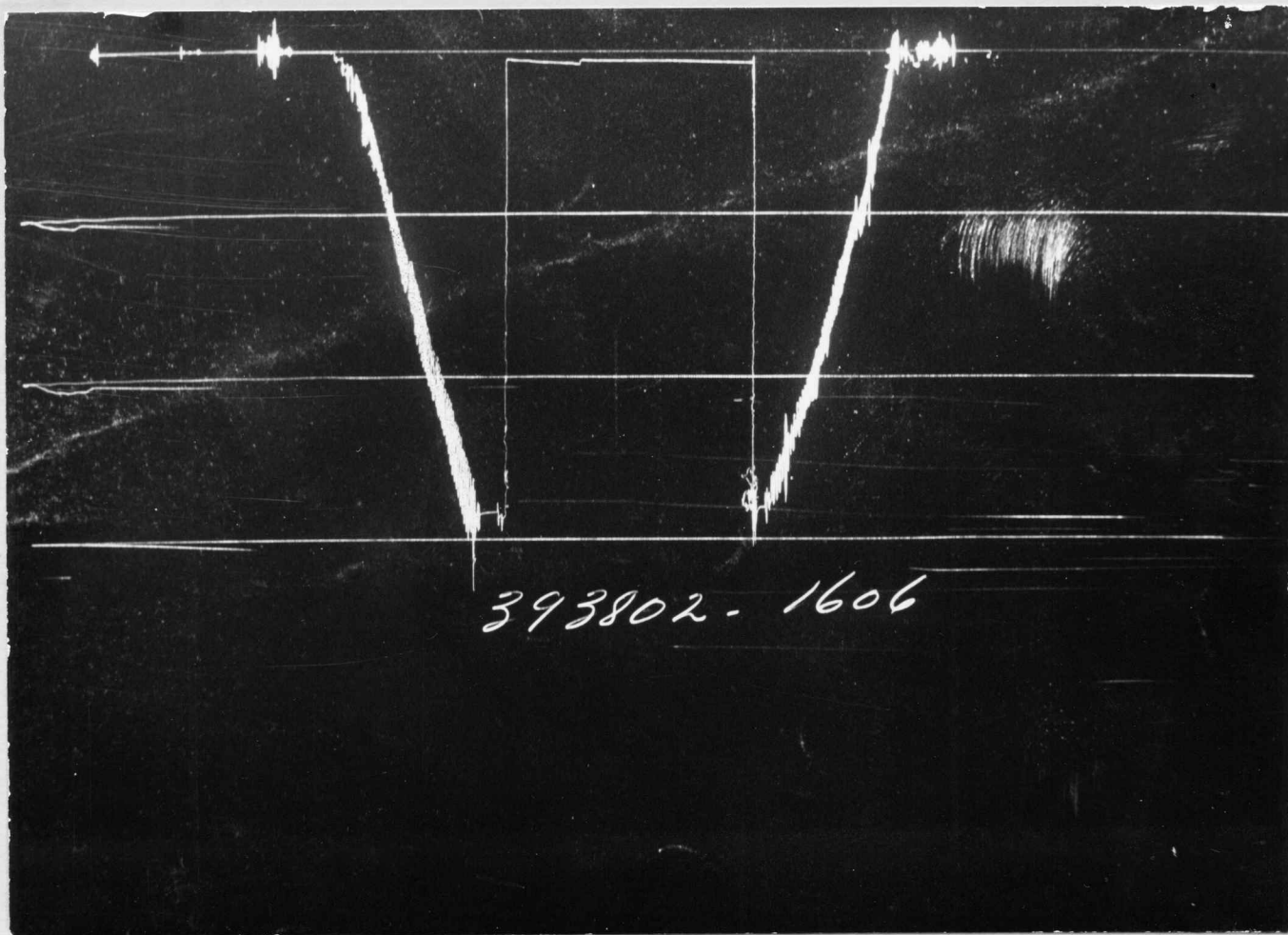
County

SEWARD

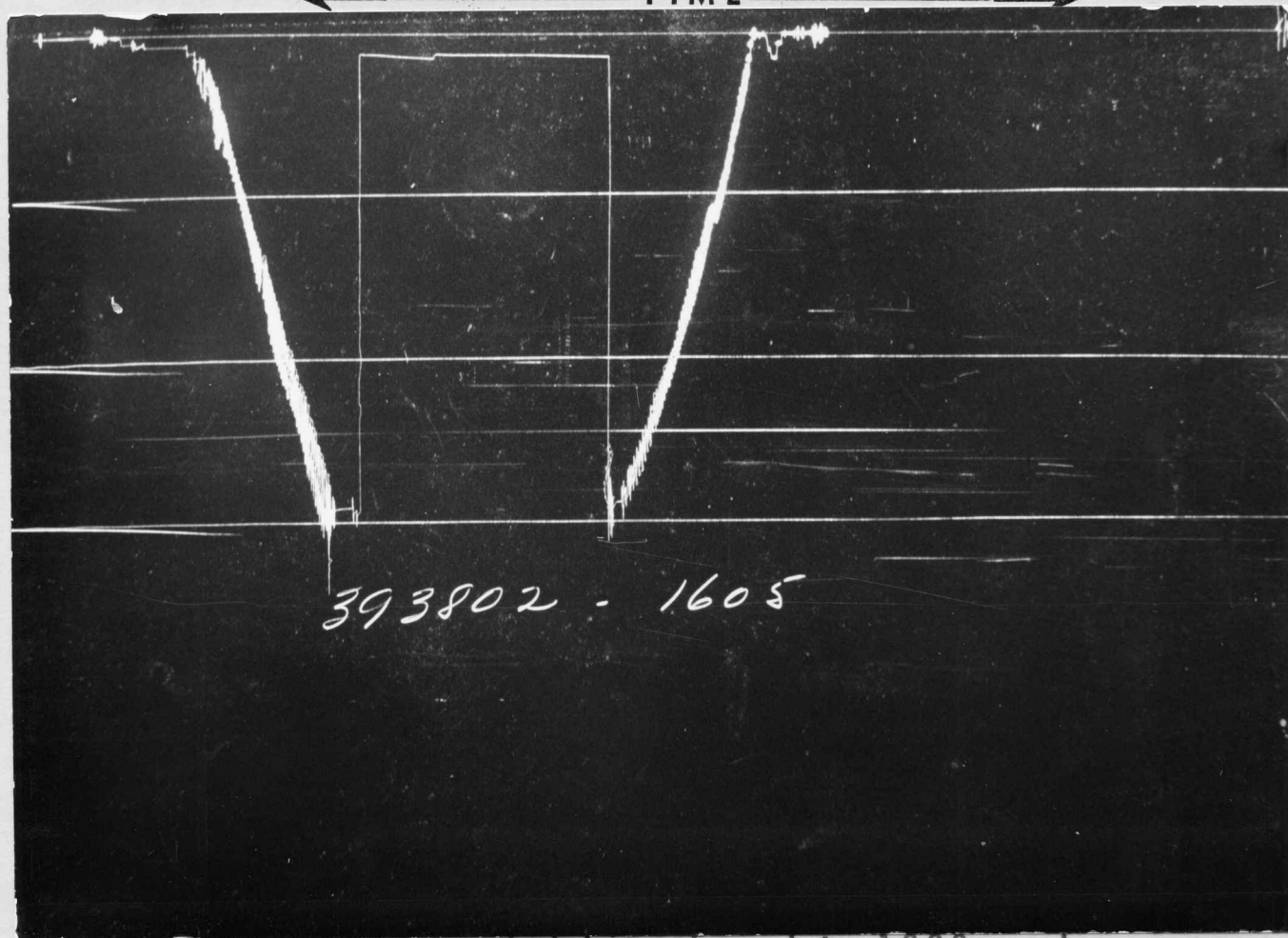
State

KANSAS

↑
PRESSURE
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← TIME →



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

Flow Time	1st 15 Min.	2nd 45 Min.	Date	9-20-64	Ticket Number	393804 - S
Closed In Press. Time	1st 20 Min.	2nd 30 Min.	Kind of Job	STRADDLE TEST OPEN HOLE	Halliburton District	LIBERAL
Pressure Readings	Field	Office Corrected	Tester	WHITE	Witness	-
Depth Top Gauge	4520' Ft.	NO Blanked Off	Drilling Contractor	MORAN BROTHERS, INCORPORATED	BM	
BT. P.R.D. No.	699	12 Hour Clock	Elevation	2748' G.L.	Top Packer	4530'
Initial Hydro Mud Pressure	2185	2187	Total Depth	6468'	Bottom Packer	4587'
Initial Closed in Pres.	1391	1389	Interval Tested	4530' - 4587'	Formation Tested	LANSING
Initial Flow Pres.	31 1 52	139 2 134	Casing or Hole Size	7 7/8"	Casing Perfs. { Top - Bot. -	
Final Flow Pres.	139 1 122	232 2 219	Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.	1193	1201	Size & Kind Drill Pipe	4 1/2" F.H.	Drill Collars Above Tester	I.D. - LENGTH 2 1/2" x 330'
Final Hydro Mud Pressure	2168	2187	Mud Weight	9.0	Mud Viscosity	54
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	114 °F Est. °F Actual	Anchor Size & Length	ID 2 1/2" OD 5" X 27'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	GROUND LEVEL	Depth of Tester Valve	4515' Ft.
Initial Hydro Mud Pres.			TYPE AMOUNT	Cushion NONE	Depth Back Pres. Valve	- Ft.
Initial Closed in Pres.			Recovered	360' Feet of slightly oil specked drilling mud		
Initial Flow Pres.	1		Recovered	90' Feet of slightly gas cut TOP 6.578 CHLORIDE)		
Final Flow Pres.	1		Recovered	Feet of BOTTOM 6.578 CHLORIDE)		
Final Closed in Pres.			Recovered	Feet of TOP OF TOOL - 13.156"		
Final Hydro Mud Pres.			Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Depth Bot. Gauge	4600' Ft.	YES Blanked Off	Gas Gravity	-	Surface Pressure	0# psi
BT. P.R.D. No.	196	12 Hour Clock	Tool Opened	5:20 PM A.M. P.M.	Tool Closed	7:10 PM A.M. P.M.
Initial Hydro Mud Pres.	2225	2213	Remarks	Tool opened @ 5:20 PM for a 15 minute first		
Initial Closed in Pres.	-	-	flow with a fair blow. Tool closed @ 5:35 PM. Ro-			
Initial Flow Pres.	1		tated tool for a 20 minute initial closed in press-			
Final Flow Pres.	1		ure. Tool reopened @ 5:55 PM with a weak blow - in-			
Final Closed in Pres.	HYDROSTATIC RELEASE: 1761	1756	creasing to a fair blow by the end of the test. Closed in at 6:40 PM for a 30 minute final closed			
Final Hydro Mud Pres.	2225	2213	in pressure. Off bottom @ 7:10 PM			

FORMATION TEST DATA

LYNN A
Lease Name
C-SE-NW - 11 - 34 - 32
Well No.
1
3
Test No.
Field Area
ARKALON
County
SEWARD
State
KANSAS
ANADARKO PRODUCTION COMPANY
Lease Owner/Company Name
LIBERAL, KANSAS
Owner's District

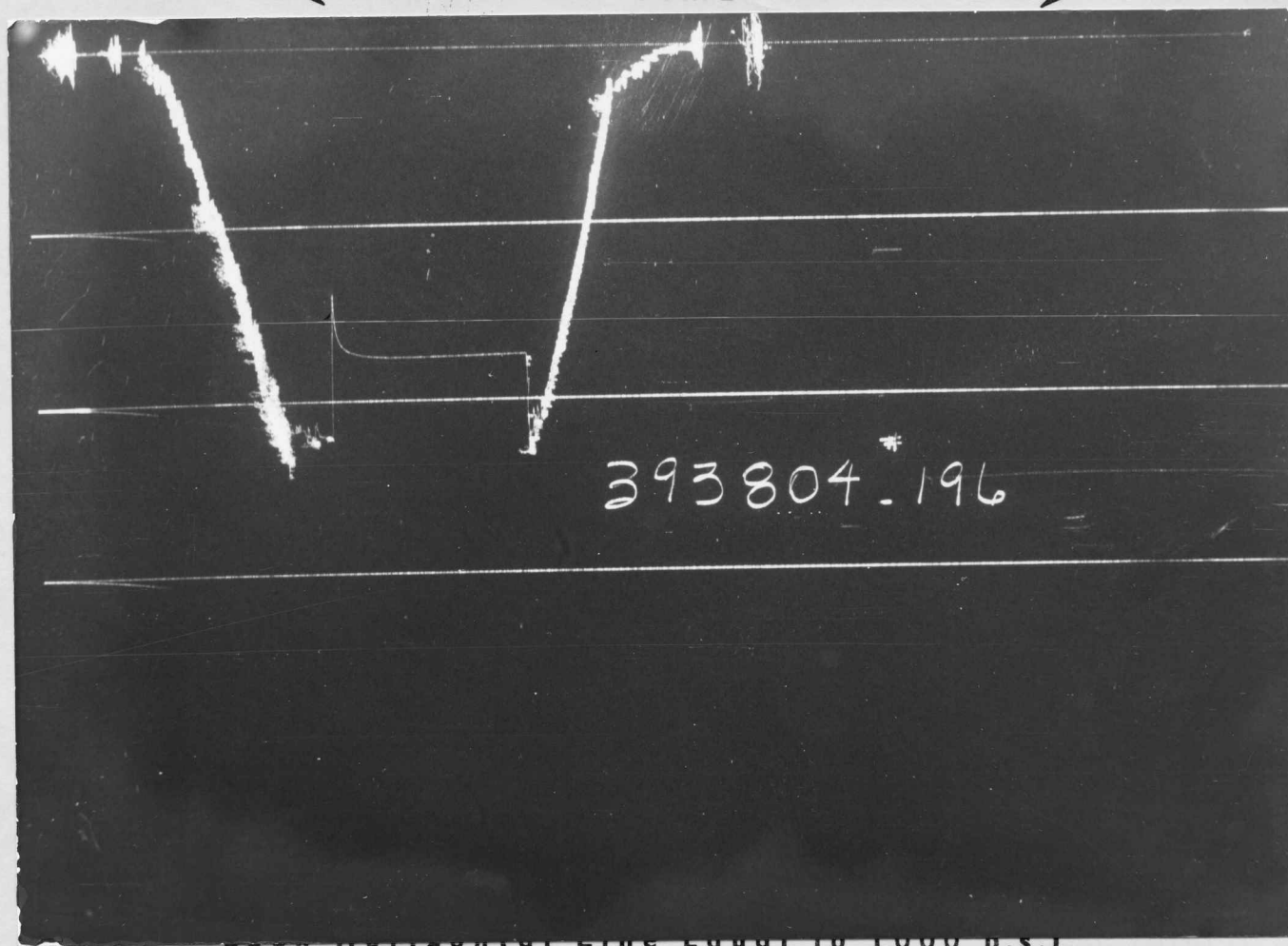
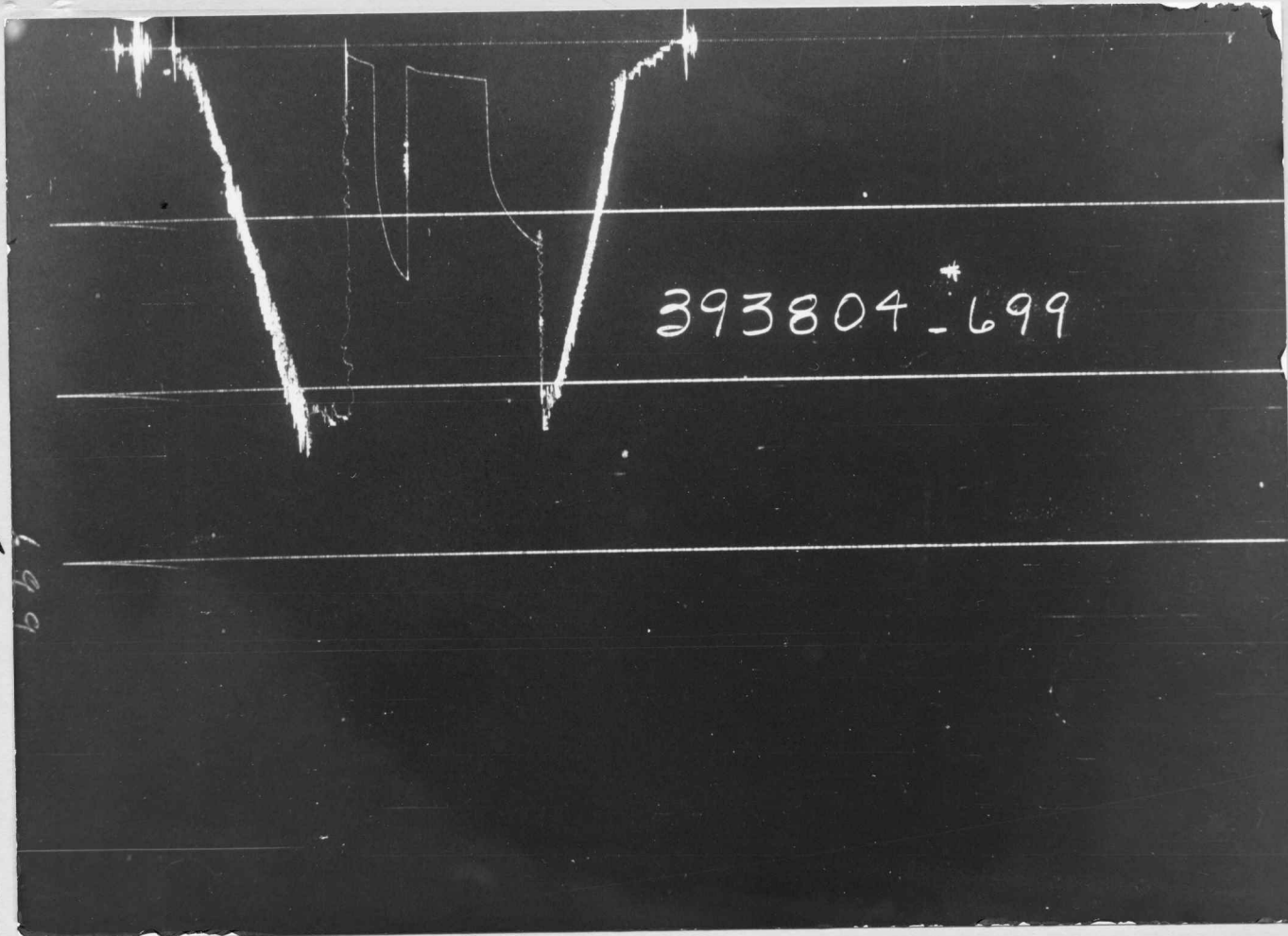
Gauge No. 699			Depth 4520'			Clock 12		hour		Ticket No. 393804	
First Flow Period			Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	
P ₀	.000	52	.000		122	.000	134	.000		219	
P ₁	.0212	69	.0119		939	.0682	168	.020		807	
P ₂	.0424	86	.0238		1046	.1364	184	.040		901	
P ₃	.0636	100	.0357		1135	.2046	198	.060		968	
P ₄	.0848	111	.0476		1198	.2728	213	.080		1018	
P ₅	.106	122	.0595		1257	.307	219 *	.100		1062	
P ₆			.0714		1299			.120		1100	
P ₇			.0833		1330			.140		1132	
P ₈			.0952		1356			.160		1160	
P ₉			.1071		1374			.180		1192	
P ₁₀			.119		1389			.200		1201	

Gauge No. 196			Depth 4600'			Clock 12		hour	
P ₀									
P ₁	HYDROSTATIC	RELEASE	1756						
P ₂									
P ₃									
P ₄									
P ₅									
P ₆									
P ₇									
P ₈									
P ₉									
P ₁₀									

Reading Interval	3	2	10	3	Minutes
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REMARKS: * LAST INTERVAL EQUALS FIFTEEN MINUTES

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