

Flow Time	1st 12 Min.	2nd 90 Min.	Date	3-18-64	Ticket Number	347673 - S
Closed In Press. Time	1st 30 Min.	2nd 30 Min.	Kind of Job	OPEN HOLE	Halliburton District	LIBERAL
Pressure Readings	Field	Office Corrected	Tester	WHITE	Witness	JAMES
Depth Top Gauge	5357' Ft.	NO Blanked Off	Drilling Contractor	GRAHAM & MICHAELIS		
BT. P.R.D. No.	1605	12 Hour Clock	Elevation	-	Top Packer	5368'
Initial Hydro Mud Pressure	2894	2935	Total Depth	5455'	Bottom Packer	5372'
Initial Closed in Pres.	1815	1802	Interval Tested	5372' - 5455'	Formation Tested	MARROW SAND
Initial Flow Pres.	33	1 149 2 105	Casing or Hole Size	7 7/8"	Casing Perfs. { Top - Bot. -	
Final Flow Pres.	66	1 88 2 75	Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.	1799	1802	Size & Kind Drill Pipe	4 1/2" F.H.	Drill Collars Above Tester	I.D. - LENGTH 2 1/4" x 540'
Final Hydro Mud Pressure	2860	2859	Mud Weight	10.1	Mud Viscosity	50
Depth Cen. Gauge		Blanked Off	Temperature	120 °F Est. °F Actual	Anchor Size & Length	ID 3 3/4" OD 5" X 25'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	KELLY BUSHING	Depth of Tester Valve	5352' Ft.
Initial Hydro Mud Pres.			TYPE AMOUNT Cushion	NONE	Depth Back Pres. Valve	5347' Ft.
Initial Closed in Pres.			Recovered	140' Feet of gas cut drilling mud		
Initial Flow Pres.		1	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	5451' Ft.	YES Blanked Off	Gas Gravity	-	Surface Pressure	0# psi
BT. P.R.D. No.	1606	12 Hour Clock	Tool Opened	8:43 PM	A.M. P.M. Tool Closed	11:25 PM A.M. P.M.
Initial Hydro Mud Pres.	2942	2978	Remarks	Tool opened @ 8:43 PM with a good blow. Gas		
Initial Closed in Pres.	1850	1838		to the surface @ 8:49 PM. Tool closed @ 8:55. Ro-		
Initial Flow Pres.	100	1 217 2 150		tated tool for a 30 minute initial closed in pressure. Tool reopened @ 9:25 - gauged 9:30 at 360,000		
Final Flow Pres.	133	1 157 2 130		cu. ft. - 9:45 at 295,000 cu. ft. - 10:00 at 325,000		
Final Closed in Pres.	1833	1837		cu. ft. - 10:15 at 360,000 cu. ft. - 10:30 at 375,000 cu. ft. - 10:42 at 390,000 cu. ft. - 10:53 at		
Final Hydro Mud Pres.	2892	2906		396,000 cu. ft. Tool closed @ 10:55 PM. Took a 30 minute final closed in pressure. Off bottom @ 11:25 PM.		

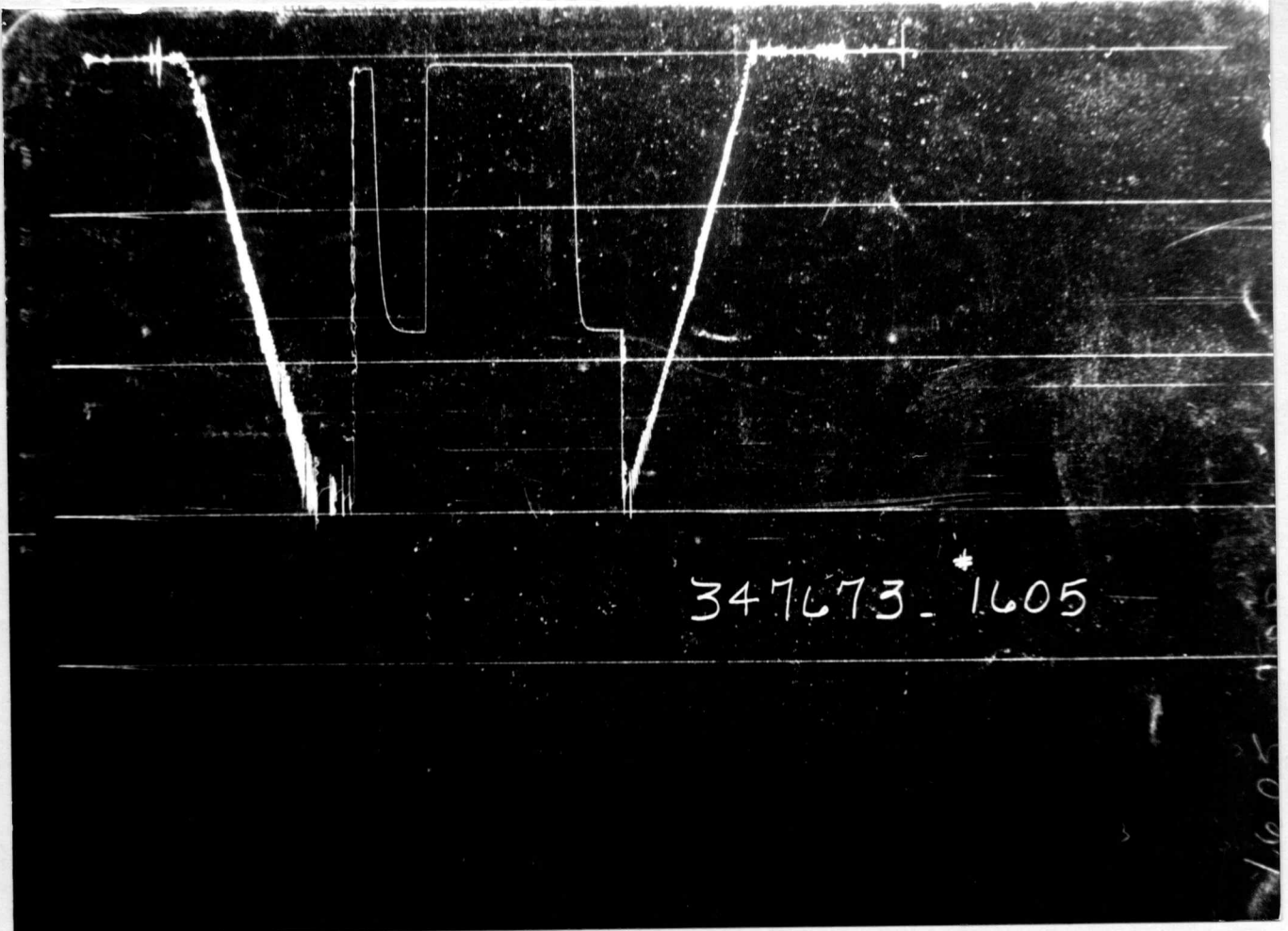
Legal Location Sec. - Twp. - Rng. 10 - 34 - 22  
 Well No. 1-10  
 Test No. 1  
 Field Area WILDGAT  
 County CLARK  
 State KANSAS  
 Lease Name CARLSON  
 Lease Owner/Company Name GRAHAM AND MICHAELIS  
 Owner's District WICHITA, KANSAS

FORMATION TEST DATA

Gauge No. 1605		Depth 5357'			Clock 12 hour		Ticket No. 347673			
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	149	.000		88	.000	105	.000		75
P <sub>1</sub>	.0132	86	.0206		1207	.098	60	.0193		1559
P <sub>2</sub>	.0264	95	.0412		1604	.196	63	.0386		1756
P <sub>3</sub>	.0396	85	.0618		1733	.294	68	.0579		1789
P <sub>4</sub>	.0528	80	.0824		1772	.392	70	.0772		1797
P <sub>5</sub>	.0660	83	.1030		1789	.490	71	.0965		1799
P <sub>6</sub>	.079	88	.1236		1795	.588	75	.1158		1800
P <sub>7</sub>			.1442		1799			.1351		1800
P <sub>8</sub>			.1648		1800			.1544		1800
P <sub>9</sub>			.1854		1802			.1737		1802
P <sub>10</sub>			.206		1802			.193		1802

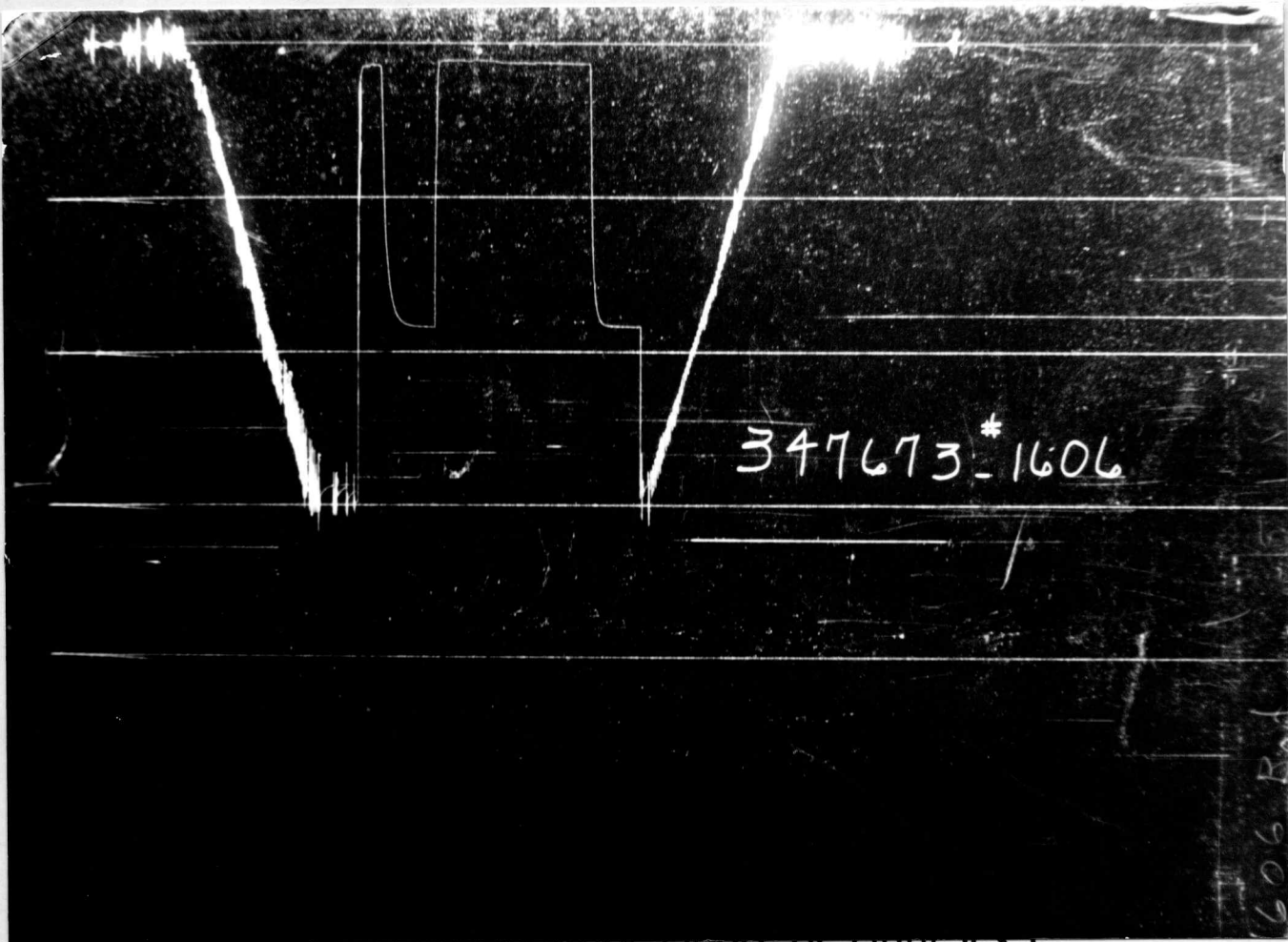
Gauge No. 1606		Depth 5451'			Clock 12 hour					
P <sub>0</sub>	.000	217	.000		157	.000	150	.000		130
P <sub>1</sub>	.014	153	.0216		1331	.1017	112	.0205		1586
P <sub>2</sub>	.028	150	.0432		1650	.2034	112	.0410		1792
P <sub>3</sub>	.042	140	.0648		1767	.3051	127	.0615		1823
P <sub>4</sub>	.056	142	.0864		1809	.4068	123	.0820		1830
P <sub>5</sub>	.070	142	.1080		1825	.5085	128	.1025		1832
P <sub>6</sub>	.084	157	.1296		1832	.610	130	.1230		1833
P <sub>7</sub>			.1512		1835			.1435		1833
P <sub>8</sub>			.1728		1837			.1640		1835
P <sub>9</sub>			.1944		1837			.1845		1835
P <sub>10</sub>			.216		1838			.205		1837
Reading Interval	2		3			15		3		Minutes

**SPECIAL PRESSURE DATA**



347673-1605

1605



347673-1606

1606

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

Flow Time	1st 16	Min.	2nd 90	Min.	Date	3-19-64	Ticket Number	347674
Closed In Press. Time	1st 30	Min.	2nd 30	Min.	Kind of Job	Open hole	Halliburton District	Liberal
Pressure Readings	Field		Office Corrected		Tester	R. White	Witness	J. James
Depth Top Gauge	5440	Ft.	no	Blanked Off	Drilling Contractor	Graham Michaelis		
BT. P.R.D. No.	1605		12	Hour Clock	Elevation		Top Packer	5451'
Initial Hydro Mud Pressure	2860		2895		Total Depth	5545'	Bottom Packer	5455'
Initial Closed in Pres.	729		732		Interval Tested	5455-5545'	Formation Tested	Chester
Initial Flow Pres.	116		114		Casing or Hole Size	7 7/8"	Casing Perfs. { Top	
Final Flow Pres.	208		210		Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.	795		812		Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	2 1/4" x 540'
Final Hydro Mud Pressure	2810		2841		Mud Weight	9.8	Mud Viscosity	50
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	122	Anchor Size & Length	3 3/4" ID 5" OD X 32'
BT. P.R.D. No.				Hour Clock	Depths Mea. From	Kelly bushing	Depth of Tester Valve	5435 Ft.
Initial Hydro Mud Pres.	795				Cushion		Depth Back Pres. Valve	5430 Ft.
Initial Closed in Pres.					Recovered	60 Feet of	gas cut drlg mud	
Initial Flow Pres.		1			Recovered	240 Feet of	gas & oil cut mud	
Final Flow Pres.		1			Recovered	300 Feet of	gas & mud cut oil	
Final Closed in Pres.					Recovered	60 Feet of	oil cut saltywater	
Final Hydro Mud Pres.					Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	5541	Ft.	yes	Blanked Off	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	1606		12	Hour Clock	Tool Opened	8:44 PM	Tool Closed	11:30 PM
Initial Hydro Mud Pres.	2925		2943		Remarks	Open tool at 8:44 with a weak blow.		
Initial Closed in Pres.	780		766			Closed 9:00 PM for 30 mins. Reopen 9:30 with		
Initial Flow Pres.	150		164			a good blow, gas to surface at 9:38. gauged		
Final Flow Pres.	250		250			at 10:15 15000 cuft maintained till end of test.		
Final Closed in Pres.	862		853			Closed at 11:00 PM for 30 mins. Off bottom 11:30.		
Final Hydro Mud Pres.	2876		2892			No special reading adaptable.		

Legal Location  
Sec. - Twp. - Rng.

10-31-22

Field Area

WILDGAT

County

CLARK

State

KANSAS

CARLSON

Lease Name

1-10

Well No.

2

Test No.

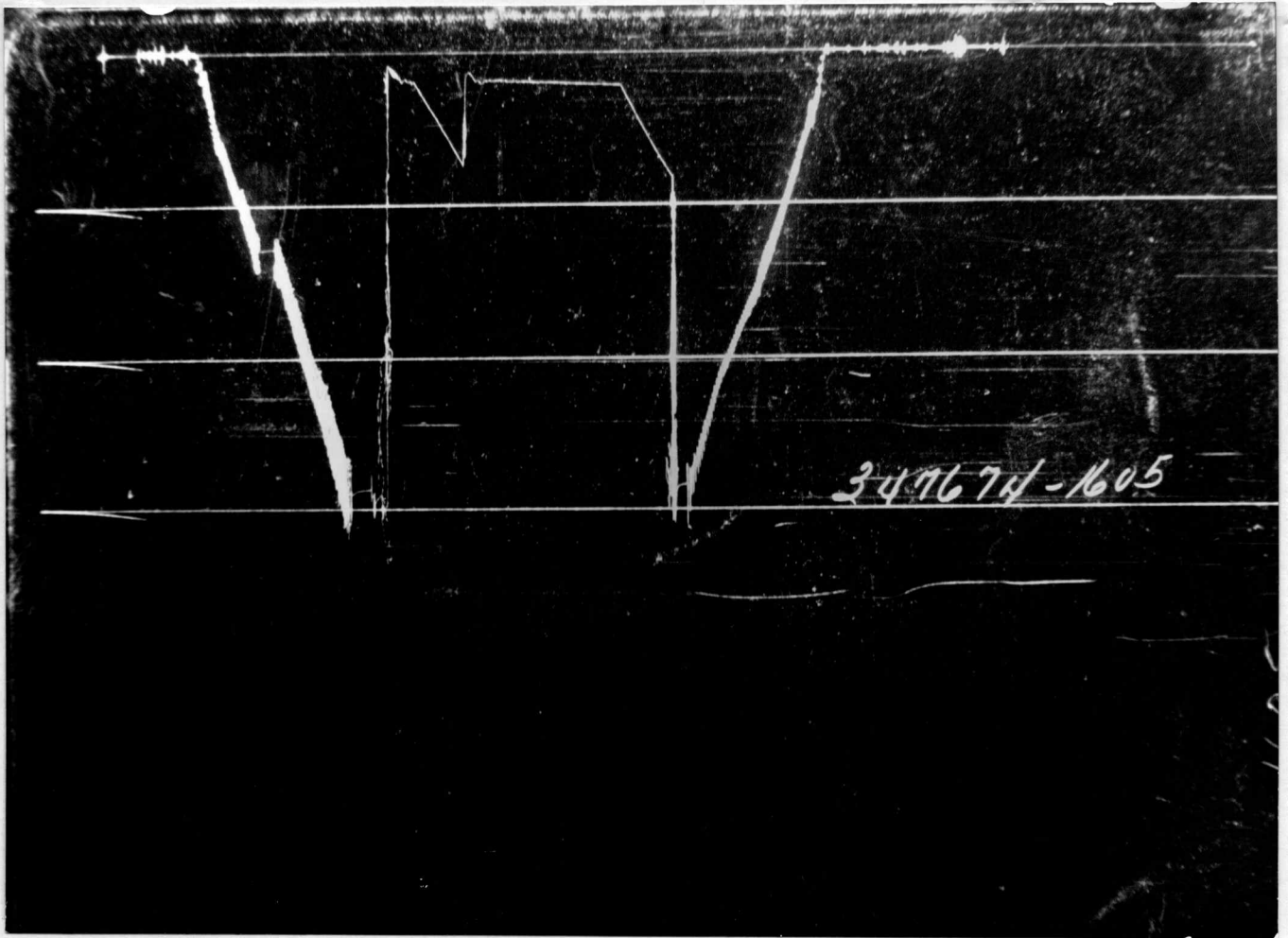
GRAHAM MICHAELIS DRILLING COMPANY

Lease Owner/Company Name

WICHITA

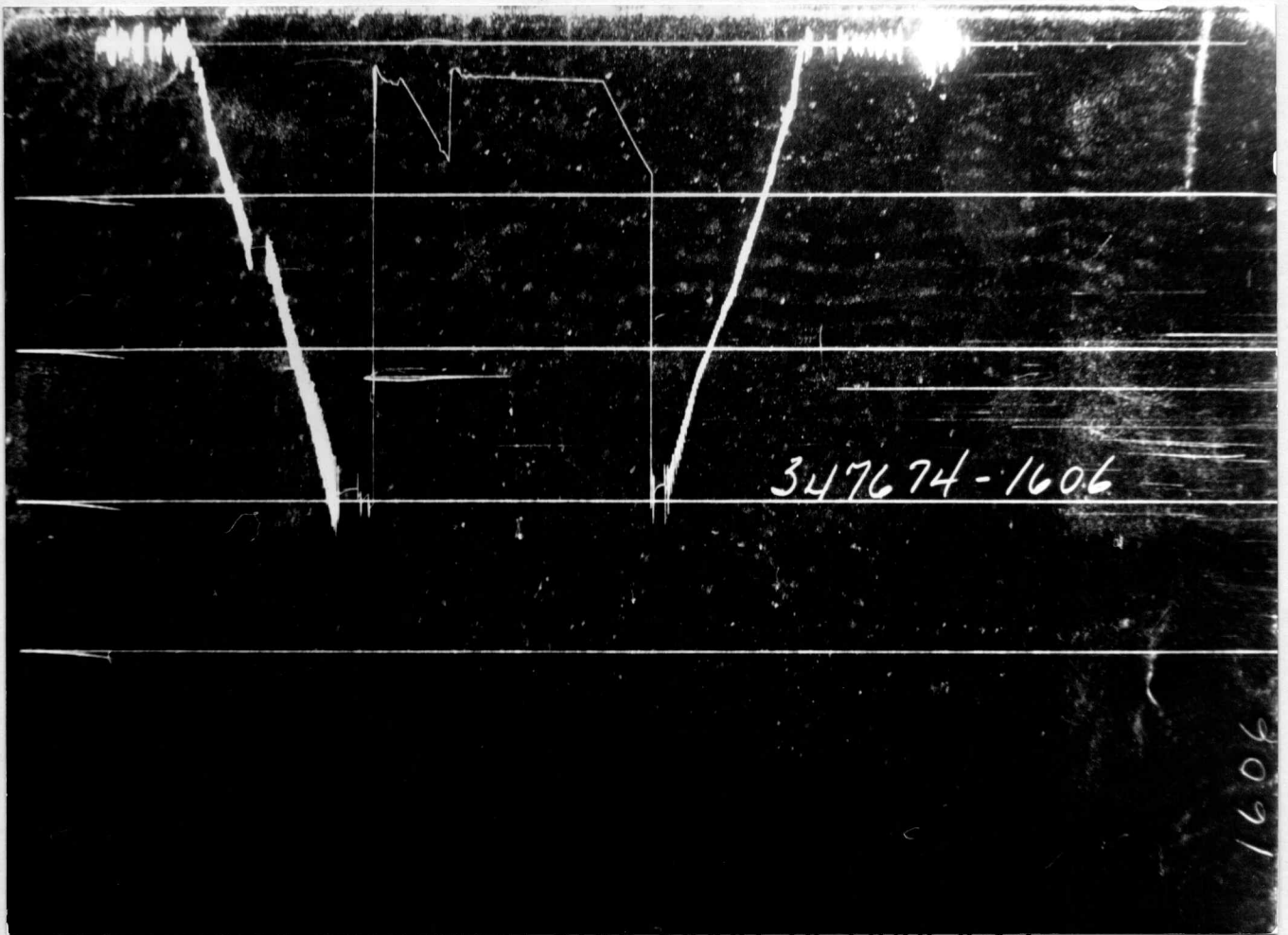
Owner's District

FORMATION TEST DATA



← TIME →

↑ PRESSURE ↓



347674-1606

1606

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