

Flow Time	1st 15	Min.	2nd 45	Min.	Date	9-4-67	Ticket Number	501371 S
Closed In Press. Time	1st 32	Min.	2nd 31	Min.	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND
Pressure Readings	Field		Office Corrected		Tester	A. A. BERENS	Witness	D. SHARPE
Depth Top Gauge	4363	Ft.	no	Blanked Off	Drilling Contractor	K & E DRILLING COMPANY	LC	
BT. P.R.D. No.	738		12	Hour Clock	Elevation	2234' KB	Top Packer	--
Initial Hydro Mud Pressure	-		2306		Total Depth	4388'	Bottom Packer	4383'
Initial Closed in Pres.	867		878		Interval Tested	4383' - 4388'	Formation Tested	Mississippi
Initial Flow Pres.	9	1	10		Casing or Hole Size	7 7/8"	Casing Perfs.	Top
	-	2	17					Bot.
Final Flow Pres.	-	1	15		Surface Choke	1/4"	Bottom Choke	3/4"
	18	2	22					
Final Closed in Pres.	805		801		Size & Kind Drill Pipe	4" FH	Drill Collars Above Tester	--
Final Hydro Mud Pressure	-		2306		Mud Weight	9.7	Mud Viscosity	47
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	107	Anchor Size & Length	ID 3.75" OD 5.00" X 5'
BT. P.R.D. No.				Hour Clock	Depths Mea. From	Kelly Bushing	Depth of Tester Valve	-- Ft.
Initial Hydro Mud Pres.					TYPE	AMOUNT	Depth Back Pres. Valve	-- Ft.
Initial Closed in Pres.					Cushion	none		
Initial Flow Pres.		1			Recovered	10	Feet of 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		Ft.		Blanked Off	Oil A.P.I. Gravity		Water Spec. Gravity	
BT. P.R.D. No.				Hour Clock	Gas Gravity		Surface Pressure	psi
Initial Hydro Mud Pres.					Tool Opened	-	A.M. P.M.	Tool Closed - A.M. P.M.
Initial Closed in Pres.					Remarks	Tool opened for a 15 minute first flow with		
Initial Flow Pres.		1				weak blow. Closed tool for a 32 minute initial		
Final Flow Pres.		2				closed in pressure. Reopened tool for a 45 minute		
Final Closed in Pres.		1				final flow. Closed tool for a 31 minute final		
Final Hydro Mud Pres.		2				closed in pressure.		

Legal Location Sec. - Twp. - Rng. 25 20 21W  
Field Area  
County  
State  
KANSAS

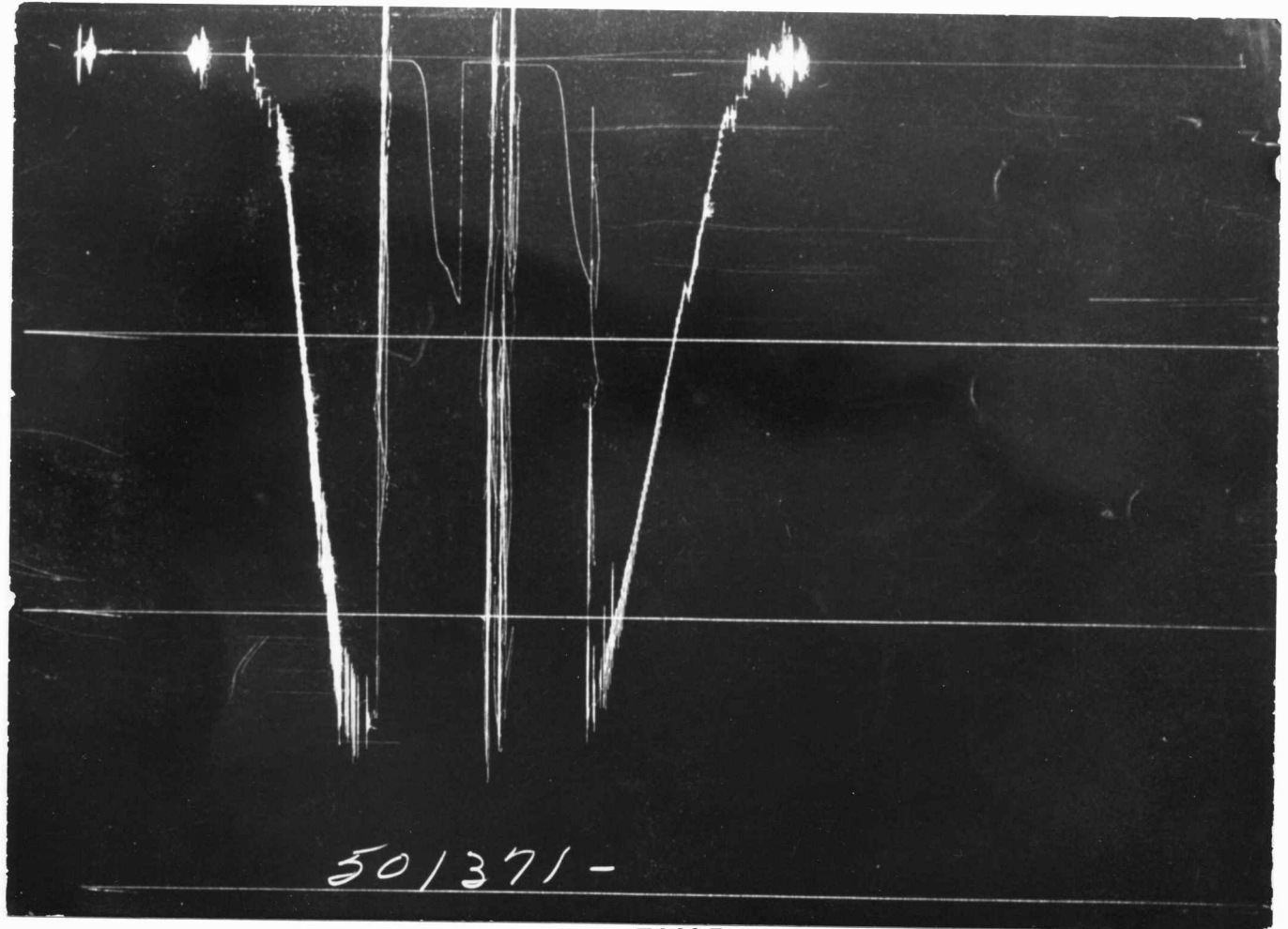
MARTIN  
Lease Name  
Well No. 1  
Test No. 1  
BARNETT OIL COMPANY  
Lease Owner/Company Name  
HITL CITY  
Owner's District

### FORMATION TEST DATA

Barometric surface reference to rotary table when elevation not given.  
Fresh Water Corrected to 100° F.

5

PRESSURE



501371-

TIME

TEMPERATURE  
RECORDER  
CHART



#501371

117°

10° each circle

Each Horizontal Line Equal to 1000 psi

Flow Time	1st 15	Min.	2nd 60	Min.	Date	9-5-67	Ticket Number	501372 - 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	MR. BERENS	Witness	MR. SHARPE
Depth Top Gauge	Ft.		Blanked Off		Drilling Contractor	K & E DRILLING COMPANY	IC	
BT. P.R.D. No.			Hour Clock		Elevation	2234' K.B.	Top Packer	-
Initial Hydro Mud Pressure					Total Depth	4393'	Bottom Packer	4383'
Initial Closed in Pres.					Interval Tested	4383'-4393'	Formation Tested	MISSISSIPPI
Initial Flow Pres.	1				Casing or Hole Size	7 7/8"	Casing Perfs.	Top
	2							Bot.
Final Flow Pres.	1				Surface Choke	1/4"	Bottom Choke	3/4"
	2							
Final Closed in Pres.					Size & Kind Drill Pipe	4" F.H.	Drill Collars Above Tester	I.D. - LENGTH 2 1/4" x 326'
Final Hydro Mud Pressure					Mud Weight	9.5	Mud Viscosity	52
Depth Gen. Gauge	Ft.		Blanked Off		Temperature	4388' @	Anchor Size & Length	ID 3.76"
								*F Est.
BT. P.R.D. No.			Hour Clock		Depths Meas. From	KELLY BUSHINGS	Depth of Tester Valve	- Ft.
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	- Ft.
Initial Closed in Pres.					Cushion	-		
Initial Flow Pres.	1				Recovered	75	Feet of	Watery mud with specks of oil
	2				Recovered		Feet of	
Final Flow Pres.	1				Recovered		Feet of	
	2				Recovered		Feet of	
Final Closed in Pres.					Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Final Hydro Mud Pres.					Gas Gravity	-	Surface Pressure	- psi
Depth Bot. Gauge	4389	Ft.	Blanked Off YES Off		Tool Opened	1:15 PM	A.M. P.M.	Tool Closed
BT. P.R.D. No.	738		Hour Clock					3:30 PM
Initial Hydro Mud Pres.	-		2298		Remarks	Opened tool for 15 minute 1st flow. Closed		
Initial Closed in Pres.	983		982			tool for 30 minute initial closed in pressure. Re-		
Initial Flow Pres.	36	1	38			opened tool for 60 minute 2nd flow with a weak		
	-	2	48			blow throughout test. Closed tool for 30 minute		
Final Flow Pres.	-	1	38			final closed in pressure.		
	63	2	64					
Final Closed in Pres.	912		910					
Final Hydro Mud Pres.	-		2243					

FORMATION TEST DATA

SPECIAL PRESSURE DATA

MARTIN  
 Lease Name  
 SEC. 25 - 20 - 21W  
 Well No. 1  
 Test No. 2  
 Field Area  
 BARNETT OIL COMPANY  
 Lease Owner/Company Name  
 County NESS  
 State KANSAS  
 HILL CITY  
 Owner's District

5  
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Gauge No.		Depth			Clock		hour			Ticket No.	501372	
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure					
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \oplus}{\ominus}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \oplus}{\ominus}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \oplus}{\ominus}$	PSIG Temp. Corr.
P <sub>0</sub>												
P <sub>1</sub>												
P <sub>2</sub>												
P <sub>3</sub>												
P <sub>4</sub>												
P <sub>5</sub>												
P <sub>6</sub>												
P <sub>7</sub>												
P <sub>8</sub>												
P <sub>9</sub>												
P <sub>10</sub>												

Gauge No.		Depth			Clock		hour		
738		4389'			12		hour		
P <sub>0</sub>	.000	38	.000	38	.000	48	.000		64
P <sub>1</sub>	.105	38	.0207	694	.068	45	.0202		167
P <sub>2</sub>			.0414	858	.136	48	.0404		559
P <sub>3</sub>			.0621	908	.204	53	.0606		748
P <sub>4</sub>			.0828	933	.272	56	.0808		814
P <sub>5</sub>			.1035	949	.340	60	.1010		847
P <sub>6</sub>			.1242	960	.408	64	.1212		867
P <sub>7</sub>			.1449	968			.1414		883
P <sub>8</sub>			.1656	973			.1616		894
P <sub>9</sub>			.1863	978			.1818		903
P <sub>10</sub>			.2070	982			.2020		910
Reading Interval		3			10		3 Minutes		

REMARKS:

SPECIAL PRESSURE DATA

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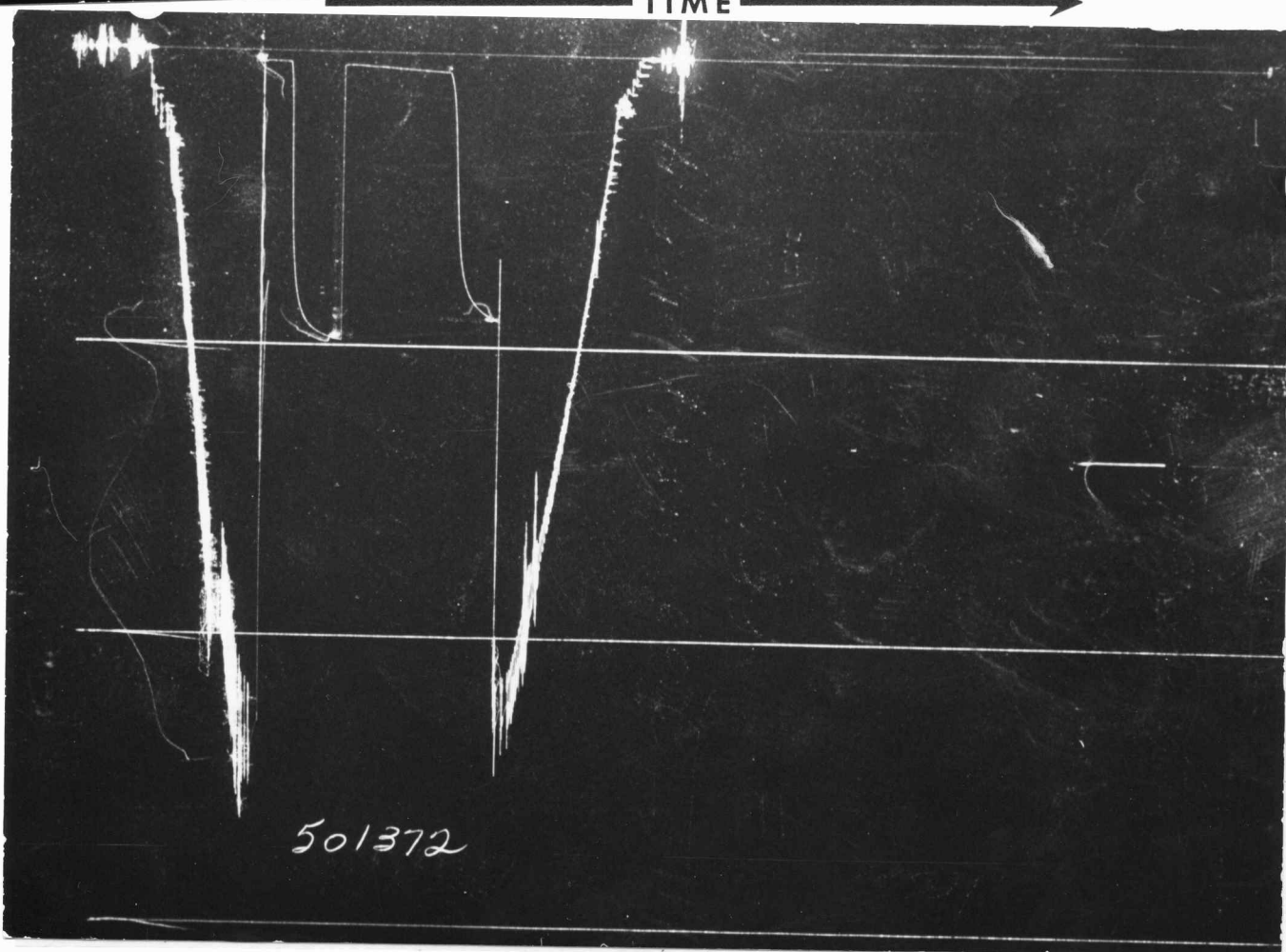
TEMPERATURE  
RECORDER  
CHART



10° each circle

PRESSURE

TIME



Each Horizontal Line Equal to 1000 p s i

Flow Time	1st	Min.	2nd	Min.	Date	9-6-67	Ticket Number	501373 - S
Closed In Press. Time	1st	Min.	2nd	Min.	Kind of Job	OPEN HOLE	Halliburton District	HAYS
Pressure Readings	Field			Office Corrected	Tester	MR. BERENS	Witness	MR. SHARPE
Depth Top Gauge	Ft.			Blanked Off	Drilling Contractor	K & E DRILLING COMPANY	IC	
BT. P.R.D. No.				Hour Clock	Elevation	2234' K.B.	Top Packer	-
Initial Hydro Mud Pressure					Total Depth	4398'	Bottom Packer	4388'
Initial Closed in Pres.					Interval Tested	4388'-4398'	Formation Tested	MISSISSIPPI
Initial Flow Pres.	1				Casing or Hole Size	7 7/8"	Casing Perfs. } Top	
Final Flow Pres.	2				Surface Choke	1/4"	Bottom Choke	3/4"
Final Closed in Pres.					Size & Kind Drill Pipe	4" F.H.	Drill Collars Above Tester	I.D. - LENGTH 2 1/4" x 326'
Final Hydro Mud Pressure					Mud Weight	9.5	Mud Viscosity	50
Depth Cen. Gauge	Ft.			Blanked Off	Temperature	4393' @ °F Est. 111 °F Actual	Anchor Size & Length	ID 3.75" OD 5.00" X 10'
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.	1				Recovered	20	Feet of	Muddy oil
Initial Flow Pres.	2				Recovered	60	Feet of	Oil cut watery mud
Final Flow Pres.	1				Recovered	60	Feet of	Muddy water
Final Closed in Pres.	2				Recovered		Feet of	
Final Hydro Mud Pres.					Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Depth Bot. Gauge	4394 Ft.			Blanked YES Off	Gas Gravity	-	Surface Pressure	- psi
BT. P.R.D. No.	738			Hour Clock	Tool Opened	3:00 AM	Tool Closed	5:15 AM
Initial Hydro Mud Pres.	-			2220	Remarks	Opened tool for 15 minute 1st flow. Closed		
Initial Closed in Pres.	1085			1090	tool for 30 minute initial closed in pressure.			
Initial Flow Pres.	18			1	25	Reopened tool for 60 minute 2nd flow with a weak		
Final Flow Pres.	-			1	29	to fair blow. Closed tool for 30 minute final		
Final Closed in Pres.	1068			1079	closed in pressure.			
Final Hydro Mud Pres.	-			2203				

Legal Location  
Sec. - Typ. - Rng.  
MARTIN  
Lease Name  
SEC. 25 - 20 - 21W  
Well No. 1  
Test No. 3  
Field Area  
BARNETT OIL COMPANY  
Lease Owner/Company Name  
County  
NESS  
State  
KANSAS  
HILL CITY  
Owner's District

FORMATION TEST DATA

SPECIAL PRESSURE DATA

Gauge No.		Depth			Clock		hour			Ticket No.	501373
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>											
P <sub>1</sub>											
P <sub>2</sub>											
P <sub>3</sub>											
P <sub>4</sub>											
P <sub>5</sub>											
P <sub>6</sub>											
P <sub>7</sub>											
P <sub>8</sub>											
P <sub>9</sub>											
P <sub>10</sub>											

Gauge No.		738			Depth		4394'			Clock		12			hour		
P <sub>0</sub>	.000	25	.000		29	.000	38	.000		76							
P <sub>1</sub>	.021	21	.0207		820	.0683	42	.020		866							
P <sub>2</sub>	.042	22	.0414		994	.1366	49	.040		995							
P <sub>3</sub>	.063	25	.0621		1035	.2049	55	.060		1030							
P <sub>4</sub>	.084	27	.0828		1056	.2732	64	.080		1047							
P <sub>5</sub>	.105	29	.1035		1067	.3415	70	.100		1058							
P <sub>6</sub>			.1242		1075	.4100	76	.120		1065							
P <sub>7</sub>			.1449		1079			.140		1070							
P <sub>8</sub>			.1656		1084			.160		1074							
P <sub>9</sub>			.1863		1088			.180		1077							
P <sub>10</sub>			.2070		1090			.200		1079							
Reading Interval		3			3		10			3			Minutes				

REMARKS:

SPECIAL PRESSURE DATA

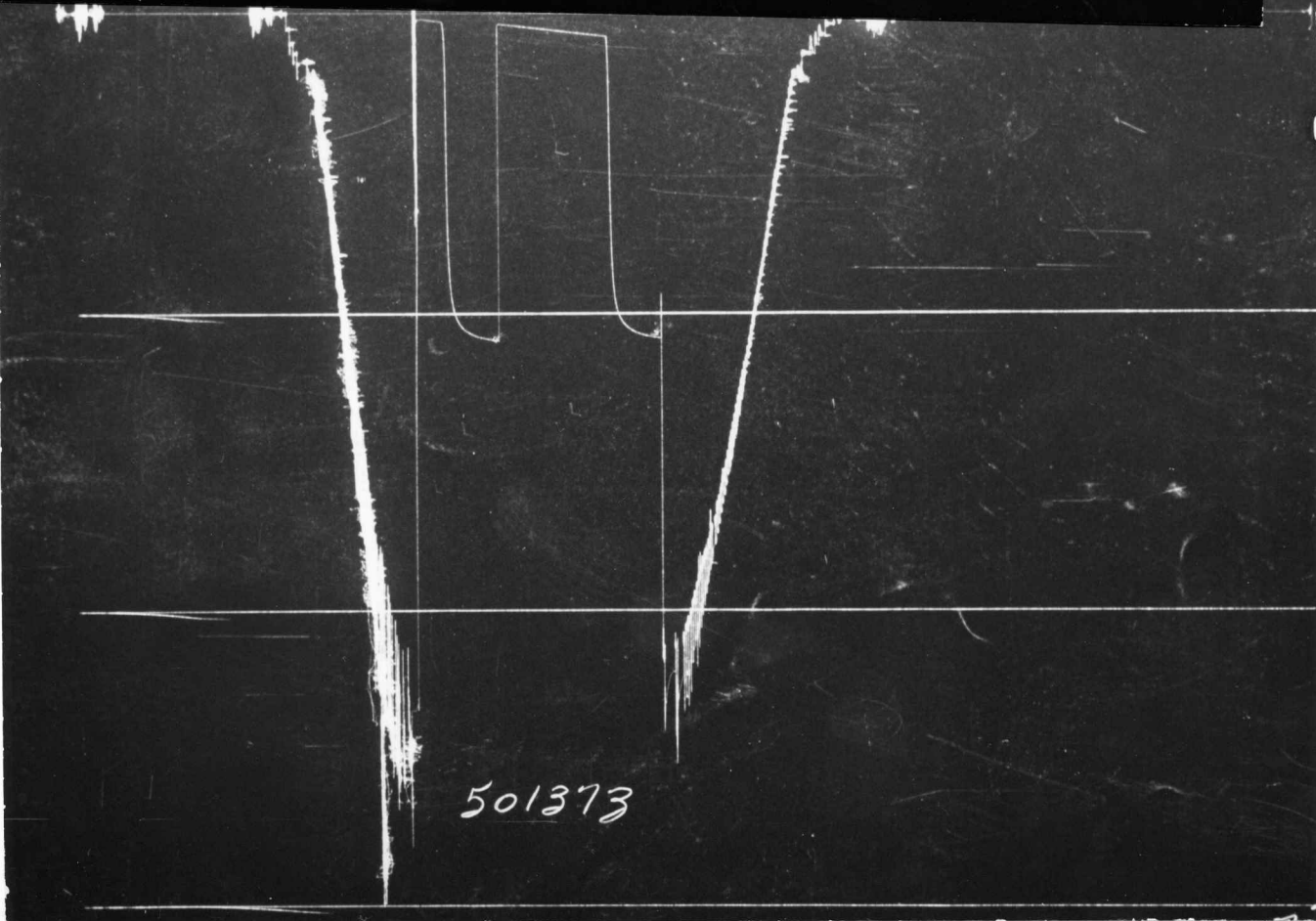
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TEMPERATURE  
RECORDER  
CHART



10° each circle

P  
↓



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