

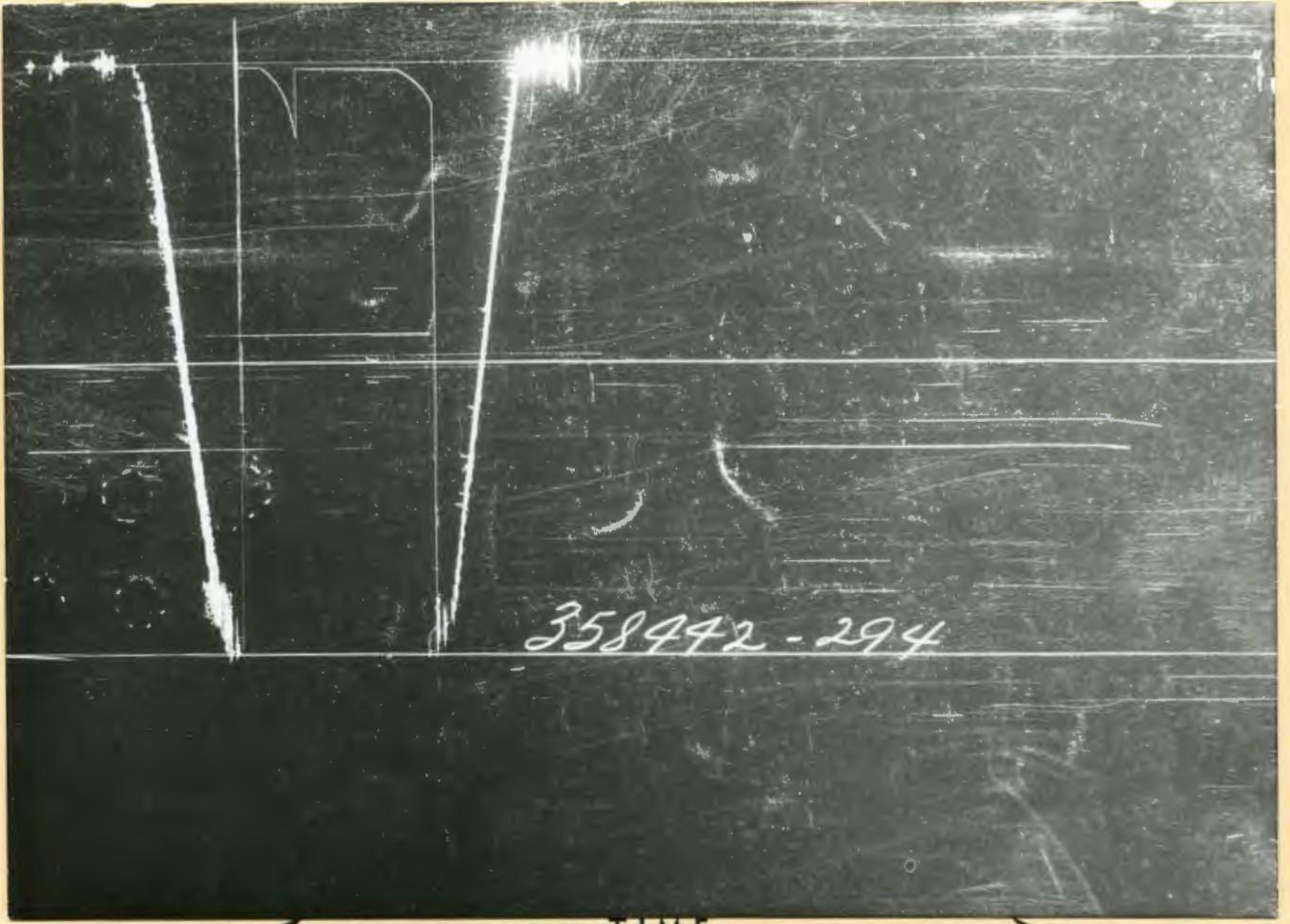
Flow Time	1st Min. 15	2nd Min. 60	Date	12-12-62	Ticket Number	358442
Closed In Pres. Time	1st Min. 20	2nd Min. 20	Kind of Job	OPEN HOLE	Halliburton District	HAYS
Pressure Readings	Field	Office Corrected	Tester	GROVER	Witness	GEO. WAITE
Depth Top Gauge	3460 Ft.	Blanked Off No	Drilling Contractor	HARMS DRILLING CO.		
BT. P.R.D. No.	294	12 Hour Clock	Elevation	2166'	Top Packer	
Initial Hydro Mud Pressure		1932	Total Depth	3475'	Bottom Packer	3455'
Initial Closed in Pres.		244	Interval Tested	3455-3475'	Formation Tested	Kansas City
Initial Flow Pres.		1 16	Casing or Hole Size	7 7/8"	Casing Perfs. { Top	
		2 19			Bot.	
Final Flow Pres.		1 16	Surface Choke	1/4"	Bottom Choke	1"
Final Closed in Pres.		135	Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	-
Final Hydro Mud Pressure		1901	Mud Weight	10.2	Mud Viscosity	42
Depth Cen. Gauge	3470 Ft.	Blanked Off Yes	Temperature	96	*F Est. Anchor Size & Length	ID 5 OD 3.84 X 20
BT. P.R.D. No.	374	12 Hour Clock	Depths Mea. From	Rotary	Depth of Tester Valve	3441 Ft.
Initial Hydro Mud Pres.	1915	1945	Cushion		Depth Back Pres. Valve	Ft.
Initial Closed in Pres.	255	252	Recovered	25	Feet of Slight oil cut mud	
Initial Flow Pres.	5	2 26	Recovered	30	Feet of Oil cut mud	
Final Flow Pres.	25	2 31	Recovered	215	Feet of Gas	
Final Closed in Pres.	220	142	Recovered		Feet of	
Final Hydro Mud Pres.	1890	1912	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	7:00 PM	A.M. P.M.	Tool Closed 8:55 PM A.M. P.M.
Initial Hydro Mud Pres.			Remarks Good blow throughout test. No special readings			
Initial Closed in Pres.			adaptable.			
Initial Flow Pres.		1				
		2				
Final Flow Pres.		1				
		2				
Final Closed in Pres.						
Final Hydro Mud Pres.						

Legal Location Sec. - Twp. - Rng. 11 13S 21W  
 Lease Name  
 Well No. 1  
 Test No. 1  
 Field Area  
 County TREGO  
 State KANSAS  
 Lease Owner/Company Name SOLAR OIL COMPANY  
 Owner's District WICHITA

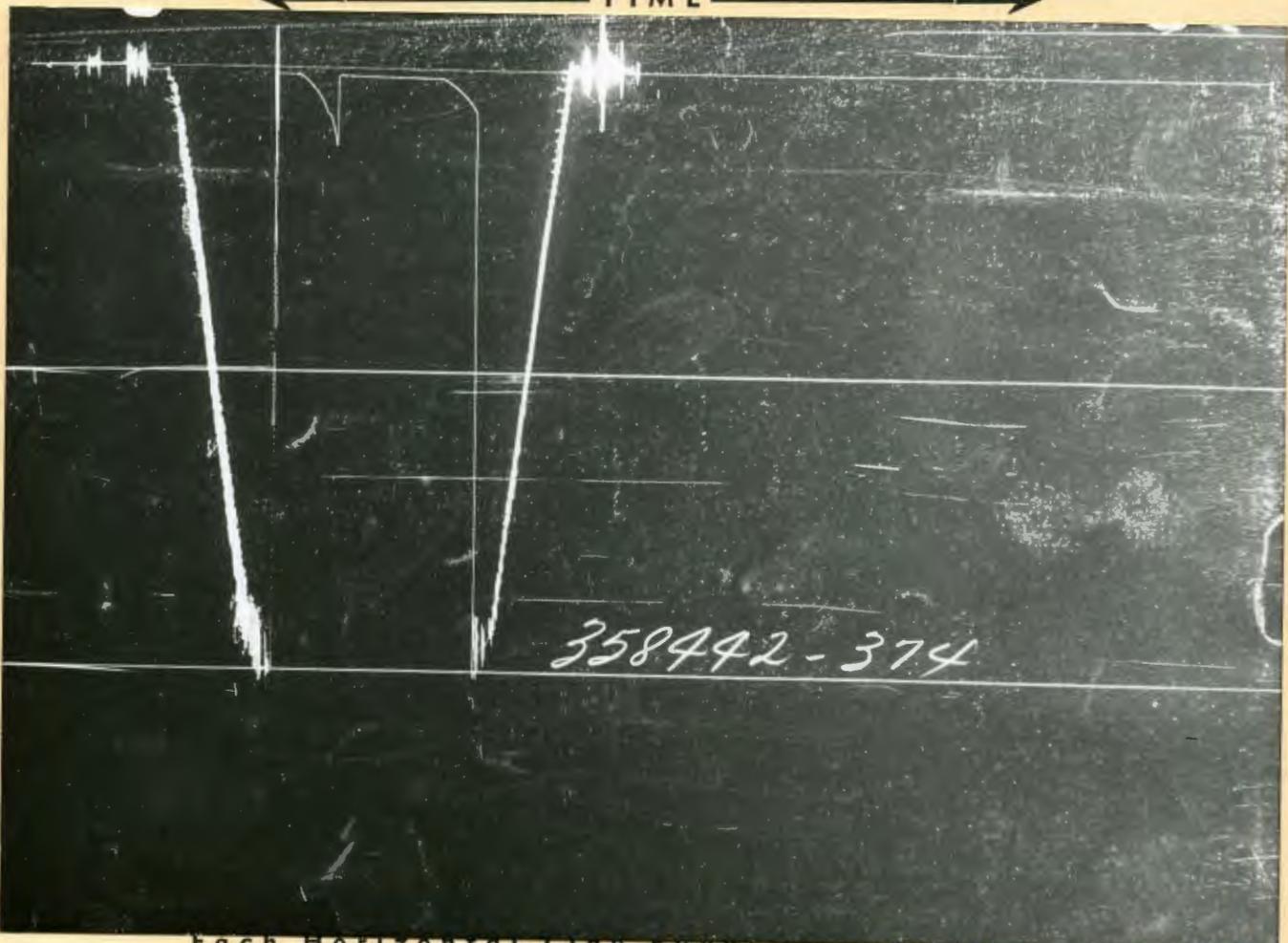
### FORMATION TEST DATA

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

PRESSURE



TIME



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

Flow Time	1st Min.	2nd Min.	Date	Ticket Number	352063 S
Closed In Press. Time	1st Min. 20	2nd Min. 20	Kind of Job	OPEN HOLE	Halliburton District HILL CITY
Pressure Readings	Field	Office Corrected	Tester	N. DREILING	Witness GEORGE WAITE
Depth Top Gauge	3772 Ft.	Blanked Off NO	Drilling Contractor	HARMS DRILLING COMPANY	
BT. P.R.D. No.	311	12 Hour Clock	Elevation	2166' DF	Top Packer 3766'
Initial Hydro Mud Pressure	2110	2125	Total Depth	3800'	Bottom Packer -
Initial Closed in Pres.	880	878	Interval Tested	34'	Formation Tested MARMATHON
Initial Flow Pres.	-	1 16	Casing or Hole Size	7 7/8"	Casing Perfs. Top Bot. -
Final Flow Pres.	-	1 24	Surface Choke	1"	Bottom Choke 3/4"
Final Closed in Pres.	855	844	Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester -
Final Hydro Mud Pressure	2110	2070	Mud Weight	10.1	Mud Viscosity 43
Depth Cen. Gauge	3796 Ft.	Blanked Off YES	Temperature	108	Anchor Size & Length ID 3.62" OD 4 5/8" X 34'
BT. P.R.D. No.	312	12 Hour Clock	Depths Mea. From	ROTARY BUSHING	Depth of Tester Valve 3764 Ft.
Initial Hydro Mud Pres.	-	2136	Cushion	NONE	Depth Back Pres. Valve 3760 Ft.
Initial Closed in Pres.	-	890	Recovered	155 Feet of	Oil & gas cut mud
Initial Flow Pres.	-	1 29	Recovered	Feet of	
Final Flow Pres.	-	1 35	Recovered	Feet of	
Final Closed in Pres.	-	2 86	Recovered	Feet of	
Final Hydro Mud Pres.	-	2081	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	7:07-7:37	Tool Closed 7:17-9:07
Initial Hydro Mud Pres.			Remarks Opened tool for a 10 minute flow. Closed in		
Initial Closed in Pres.			for a 20 minute Initial Closed in Pressure. Re-		
Initial Flow Pres.	1		opened tool with a weak blow throughout test.		
Final Flow Pres.	2		Closed in for a 20 minute Final Closed in Pressure.		
Final Closed in Pres.	1				
Final Hydro Mud Pres.	2				

FORMATION TEST DATA

HAMBURG

Lease Name

11-13-21

NW SE SW

1

2

SOLAR OIL COMPANY

Lease Owner/Company Name

Field Area

County

EAST TREGO

State

KANSAS

WICHITA, KANSAS

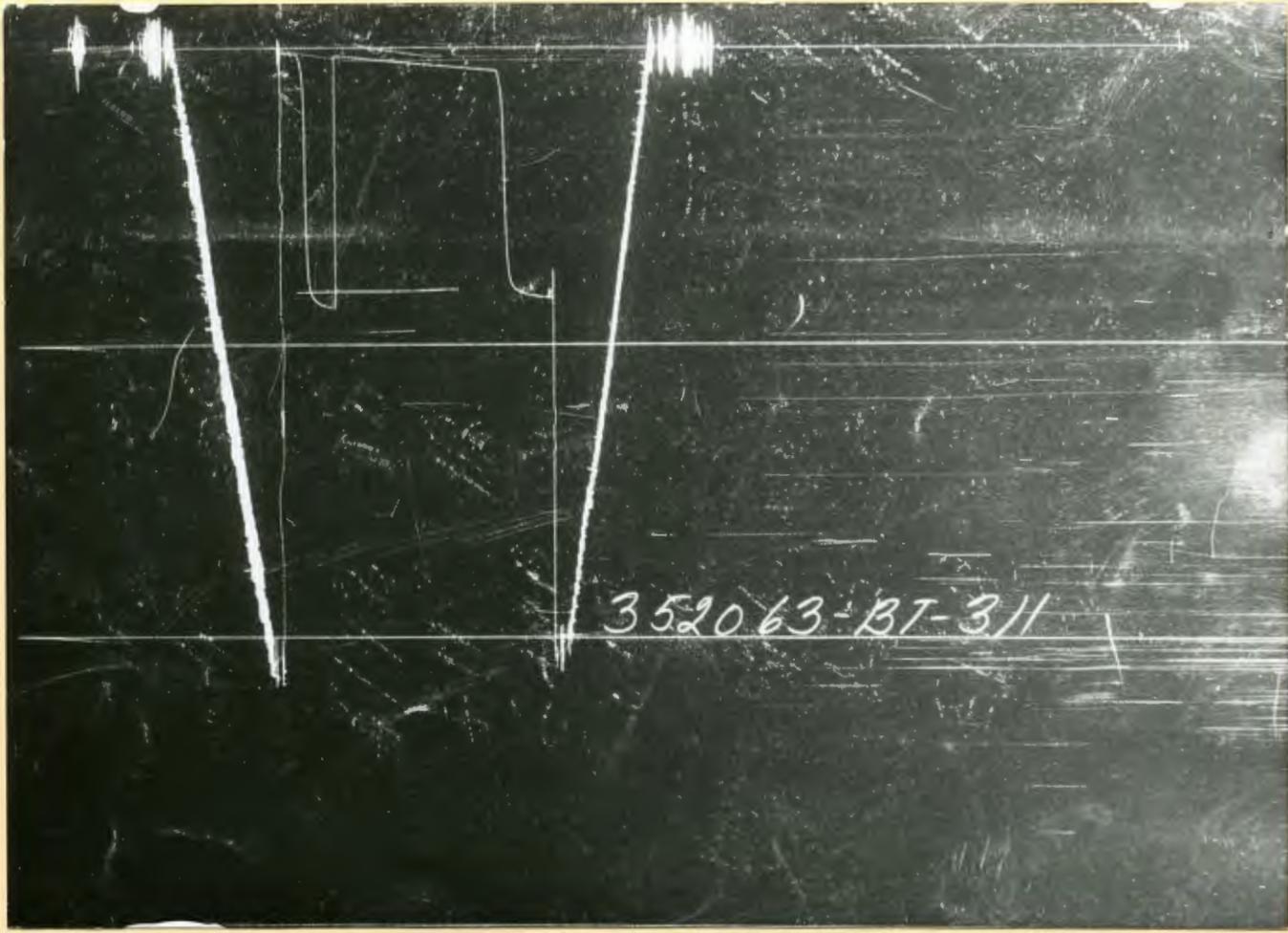
Owner's District

Gauge No. 311		Depth 3112'		Clock 12		hour		Ticket No. 352063		
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\bullet}{\bullet}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\bullet}{\bullet}$	PSIG Temp. Corr.
P <sub>0</sub>	.000	16	.000		24	.000	30	.000		79
P <sub>1</sub>	.014	18	.0144		79	.1575	40	.0218		205
P <sub>2</sub>	.028	19	.0288		520	.3150	53	.0436		745
P <sub>3</sub>	.042	21	.0432		808	.4725	66	.0654		809
P <sub>4</sub>	.056	23	.0576		844	.6300	79	.0872		822
P <sub>5</sub>	.070	24	.0720		857			.1090		830
P <sub>6</sub>			.0864		865			.1308		834
P <sub>7</sub>			.1008		870			.1526		837
P <sub>8</sub>			.1152		873			.1744		839
P <sub>9</sub>			.1296		876			.1962		842
P <sub>10</sub>			.1440		878			.2180		844

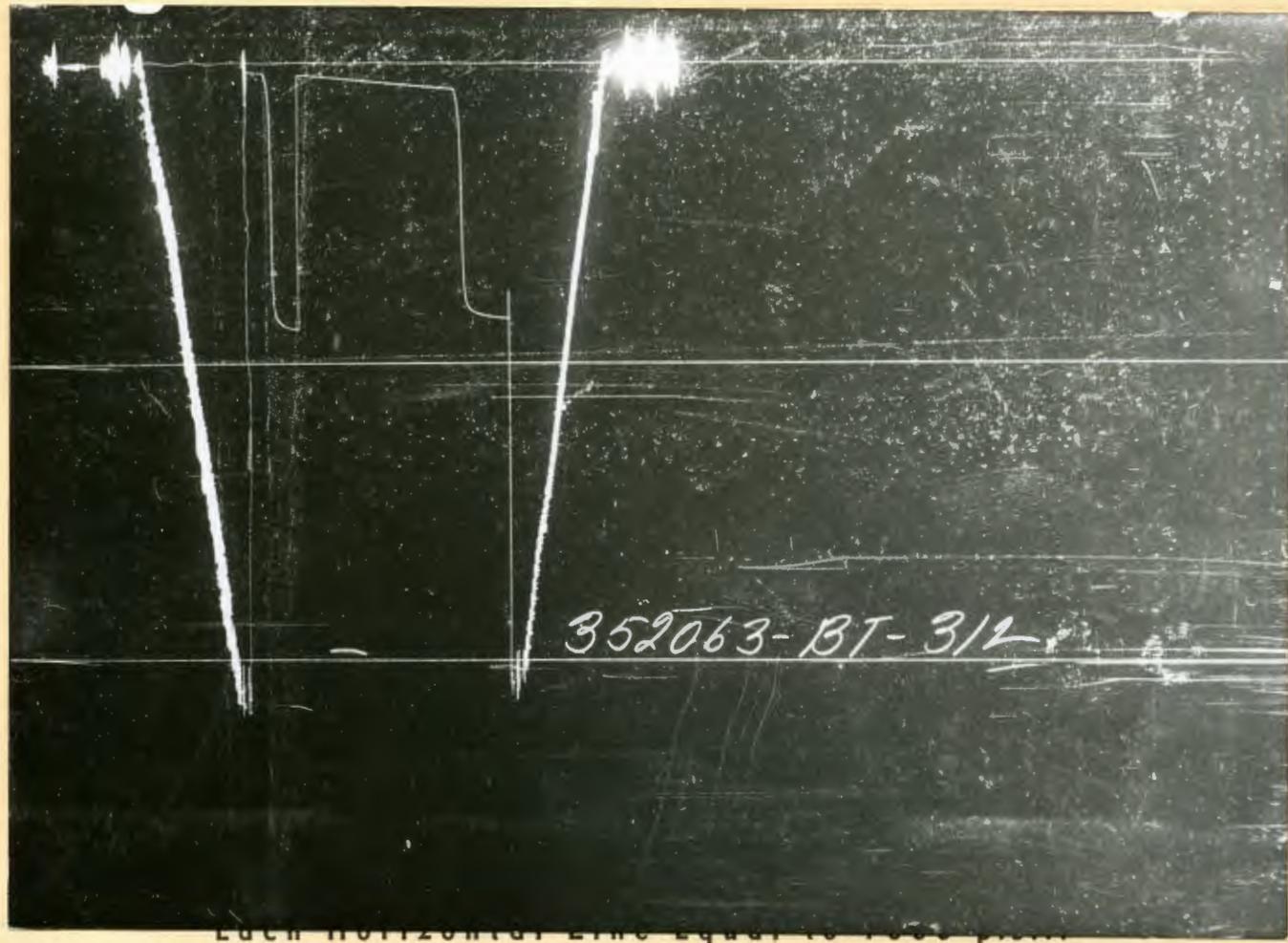
Gauge No. 312		Depth 3796'		Clock 12		hour				
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\bullet}{\bullet}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\bullet}{\bullet}$	PSIG Temp. Corr.
P <sub>0</sub>	.000	29	.000		35	.000	43	.000		86
P <sub>1</sub>	.0136	30	.0134		79	.1518	50	.021		237
P <sub>2</sub>	.0272	31	.0268		296	.3036	62	.042		775
P <sub>3</sub>	.0408	32	.0402		819	.4554	75	.063		822
P <sub>4</sub>	.0544	34	.0536		856	.6072	86	.084		833
P <sub>5</sub>	.0680	35	.0670		870			.105		839
P <sub>6</sub>			.0804		878			.126		843
P <sub>7</sub>			.0938		883			.147		846
P <sub>8</sub>			.1072		886			.168		848
P <sub>9</sub>			.1206		889			.189		851
P <sub>10</sub>			.1340		890			.210		852
Reading Interval 2				2		20		2		Minutes

**SPECIAL PRESSURE DATA**

PRESSURE



TIME



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