

FLUID SAMPLE DATA				Date 6-26-73		Ticket Number 601054	
Sampler Pressure _____ P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____ Gravity _____ ° API @ _____ °F. Gas/Oil Ratio _____ cu. ft./bbl.				Kind of Job OPEN HOLE Halliburton District GREAT BEND		Tester MR. MOORE Witness MR. RIGSBY Drilling Contractor SAGE DRILLING COMPANY IC	
EQUIPMENT & HOLE DATA							
RESISTIVITY Recovery Water _____ @ _____ °F. _____ ppm Recovery Mud _____ @ _____ °F. _____ ppm Recovery Mud Filtrate _____ @ _____ °F. _____ ppm Mud Pit Sample _____ @ _____ °F. _____ ppm Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm Mud Weight 9.7 vis 40 cp CHLORIDE CONTENT _____				Formation Tested Kansas City Elevation 1837' DF _____ Ft. Net Productive Interval _____ Ft. All Depths Measured From Kelly Bushing Total Depth 4136' _____ Ft. Main Hole/Casing Size 7 7/8" Drill Collar Length 749.84' W.P.D. 2.764" WP Drill Pipe Length 3366' I.D. 3.826" Packer Depth(s) 4122' _____ Ft. Depth Tester Valve 4104' _____ Ft.			
TYPE		AMOUNT		Depth Back		Surface	
Cushion		-		Ft. Pres. Valve		- Choke	
						1/4"	
						Bottom Choke 3/4"	
Recovered 30 Feet of Slightly gas cut mud with a trace of oil							
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Recovered _____ Feet of _____							
Remarks Opened tool for 30 minute first flow with a weak blow. Closed tool for 30 minute first closed in pressure. Reopened tool for 30 minute second flow with a fair blow. Closed tool for 30 minute second closed in pressure.							
Unable to scribe 3000# line on both B.T.'s.							
TEMPERATURE		Gauge No. 1463		Gauge No. 396		Gauge No. _____	
		Depth: 4109' Ft.		Depth: 4131' Ft.		Depth: _____ Ft.	
Est. _____ °F.		12 Hour Clock		12 Hour Clock		Hour Clock	
		Blanked Off NO		Blanked Off YES		Blanked Off _____	
4131' @						Tool _____ A.M.	
Actual 119°F.		Pressures		Pressures		Tool _____ A.M.	
						Closed 19:52 P.M.	
		Field		Office		Reported	
						Minutes	
		2067		2073			
Initial Hydrostatic		-		-			
Flow Initial		14		28			
Flow Final		21		29			
Closed in		152		159		30	
		24		31		30	
Flow Initial		27		34		30	
Flow Final		147		154		30	
Closed in							
Final Hydrostatic		2067		2073			

 Legal Location
 Sec. - Twp. - Rng.

27 - 29 - 13

Field Area

County

PRATT

State

KANSAS

 HARREL
 Lease Owner

 D-6
 Well No.

 3
 Test No.

 4122' - 4136'
 Tested Interval

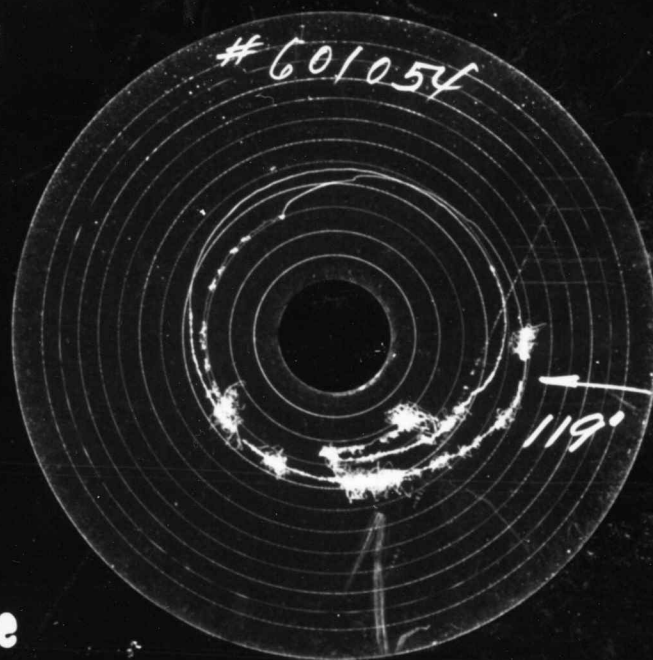
 CITIES SERVICE OIL COMPANY
 Lease Owner/Company Name

601054



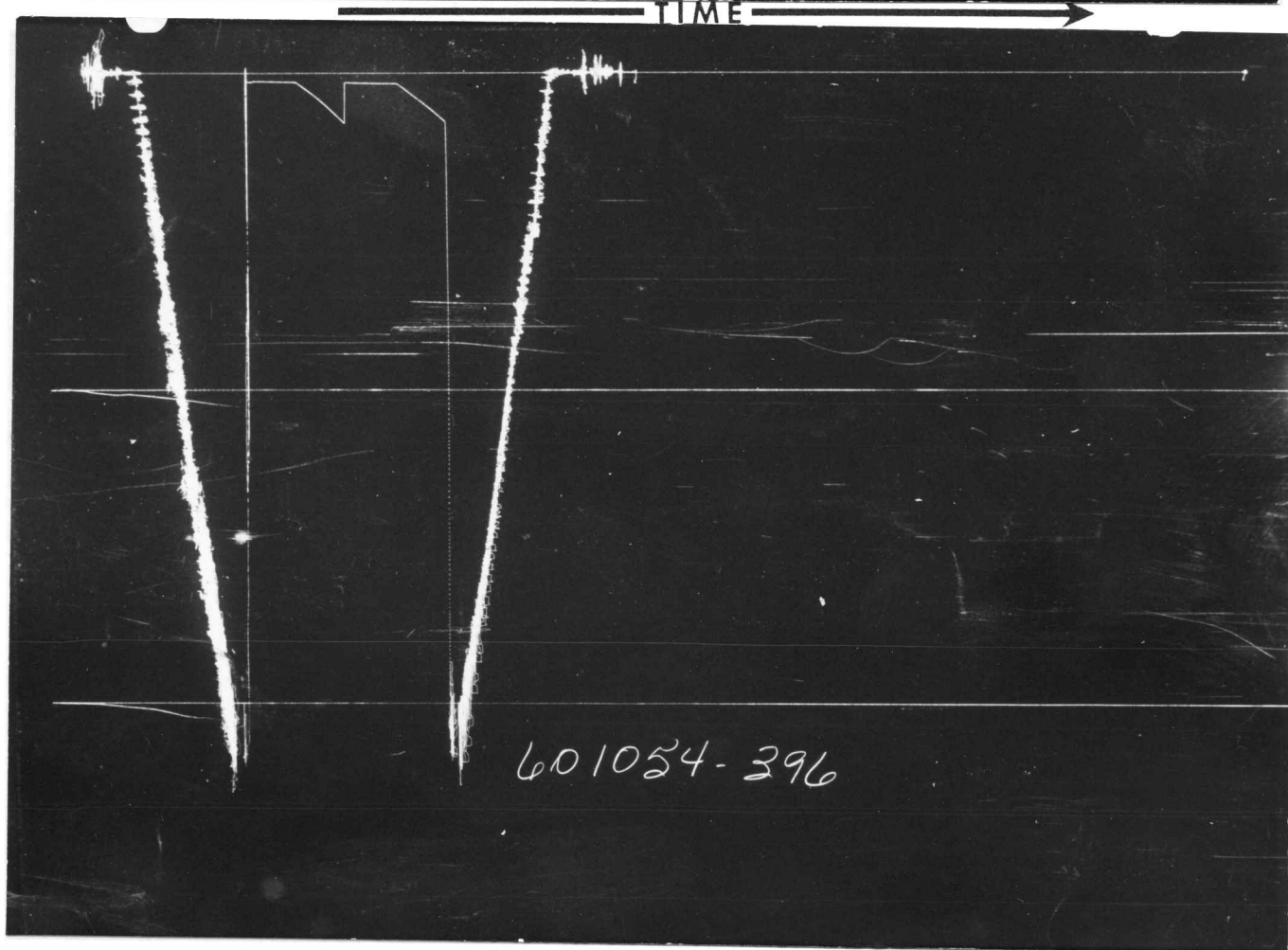
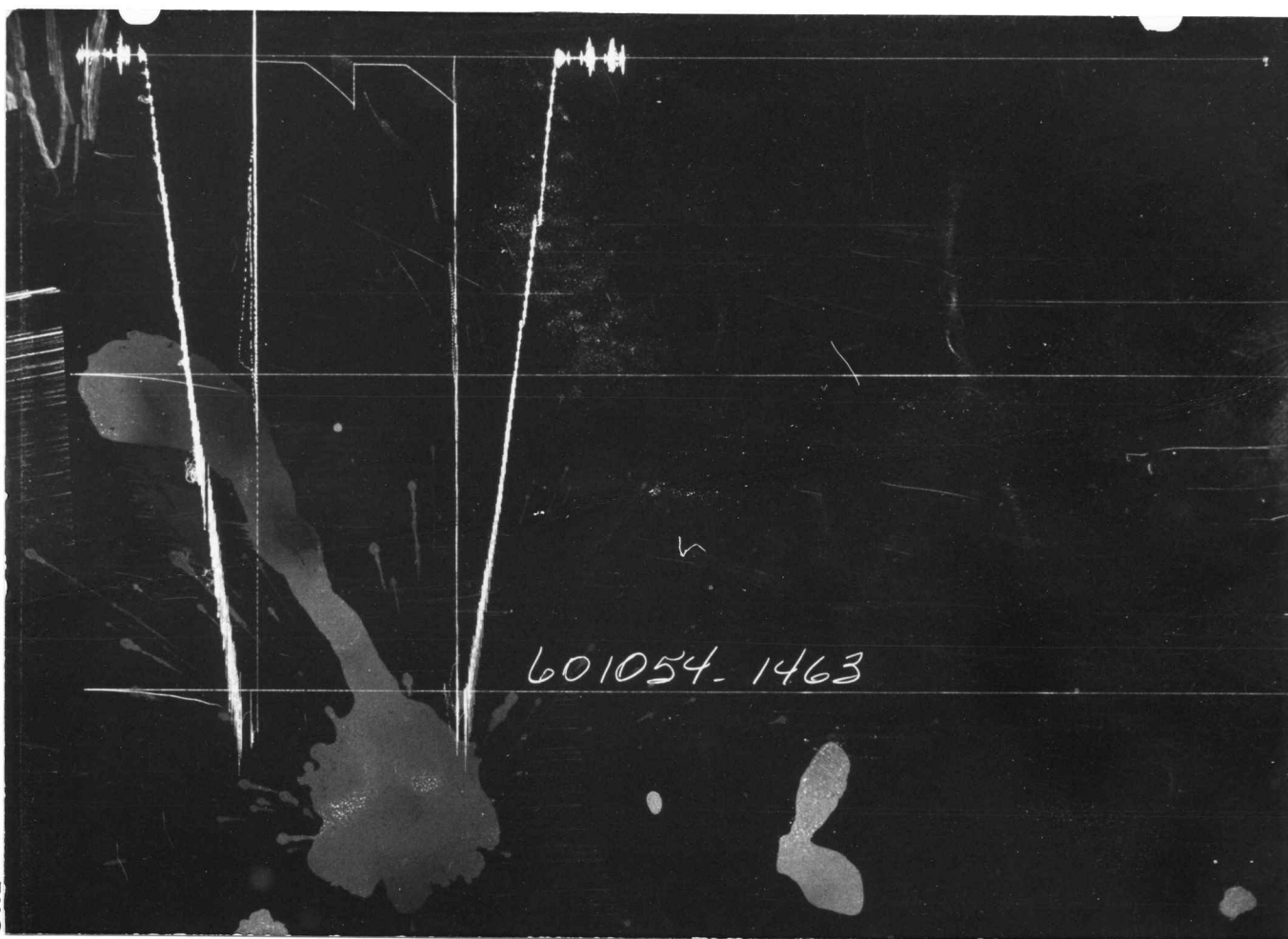
	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5.75"	2.75"	12"	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	3366'	
Drill Collars	4 1/2"	2.764"	749.84'	WEIGHT PIPE
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	60.92"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60.21"	4104'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	49.63"	4109'
Hydraulic Jar	5"	1"	39.60"	
VR Safety Joint	5"	.87"	33"	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	48.89"	4122'
Distributor				
Packer Assembly				
Flush Joint Anchor	5"	2.37"	7'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	61.63"	4131'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case				

TEMPERATURE
RECORDER
CHART



10° each circle

PRESSURE
↓



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

FLUID SAMPLE DATA				Date 6-31-73		Ticket Number 601057	
Sampler Pressure _____ P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____				Kind of Job OPEN HOLE		Halliburton District GREAT BEND	
				Tester MR. MOORE		Witness MR. MILLER	
				Drilling Contractor SAGE DRILLING COMPANY		BC S	
EQUIPMENT & HOLE DATA							
				Formation Tested Simpson			
				Elevation 1837' DF _____ Ft.			
				Net Productive Interval _____ Ft.			
				All Depths Measured From Kelly Bushing			
				Total Depth 4547' _____ Ft.			
				Main Hole/Casing Size 7 7/8"			
				Drill Collar Length WP 672.22' I.D. 2.764"			
				Drill Pipe Length 3838' I.D. 3.826"			
				Packer Depth(s) 4514' _____ Ft.			
				Depth Tester Valve 4496' _____ Ft.			
		RESISTIVITY	CHLORIDE CONTENT				
Recovery Water		_____ @ _____ °F.	_____ ppm				
Recovery Mud		_____ @ _____ °F.					
Recovery Mud Filtrate		_____ @ _____ °F.	_____ ppm				
Mud Pit Sample		_____ @ _____ °F.					
Mud Pit Sample Filtrate		_____ @ _____ °F.	_____ ppm				
Mud Weight		9.1 vis	45 cp				
TYPE		AMOUNT	Depth Back	Surface		Bottom	
Cushion			Ft. Pres. Valve	Choke		Choke	
				1"		3/4"	
Recovered	30	Feet of	Slightly oil cut gassy mud				
Recovered	360	Feet of	Slightly oil specked gassy watery mud				
Recovered	1230	Feet of	Slightly oil cut gassy water				
Recovered		Feet of					
Recovered		Feet of					
Remarks Tool opened for a 29 minute first flow with a good blow. Closed tool for 46 minute first closed in pressure. Reopened tool for 90 minute second flow with a good blow throughout. Gas to surface after 10 minutes of last closed in pressure. Closed tool for 90 minute second closed in pressure.							
TEMPERATURE	Gauge No. 1463	Gauge No. 396	Gauge No.	TIME			
	Depth: 4501' Ft.	Depth: 4542' Ft.	Depth: _____ Ft.				
	12 Hour Clock	12 Hour Clock	Hour Clock				
Est. _____ °F.	Blanked Off No	Blanked Off Yes	Blanked Off				
4541' @					Tool _____ A.M.		
Actual 130 °F.					Opened 1210 P.M.		
	Pressures		Pressures		Tool _____ A.M.		
	Pressures		Pressures		Closed 0425 P.M.		
	Field	Office	Field	Office	Field	Office	
Initial Hydrostatic		2142	2144	2157			
First Period	Flow Initial	94	157	160			
	Flow Final	470	501	498			
	Closed in	854	861	871			
Second Period	Flow Initial	497	509	504			
	Flow Final	784	790	802			
	Closed in	854	869	872			
Third Period	Flow Initial						
	Flow Final						
	Closed in						
Final Hydrostatic		2130	2144	2149			

 Legal Location
 Sec. - Twp. - Rng. **27 - 29 - 13W**

 HARREL
 Lease Name

 D-6
 Well No.

 6
 Test No.

 4514' - 4547'
 Tested Interval

 Field Area
 Mea. From Tester Valve

County

PRATT

 State
 KANSAS

 CITIES SERVICE OIL COMPANY
 Lease Owner/Company Name

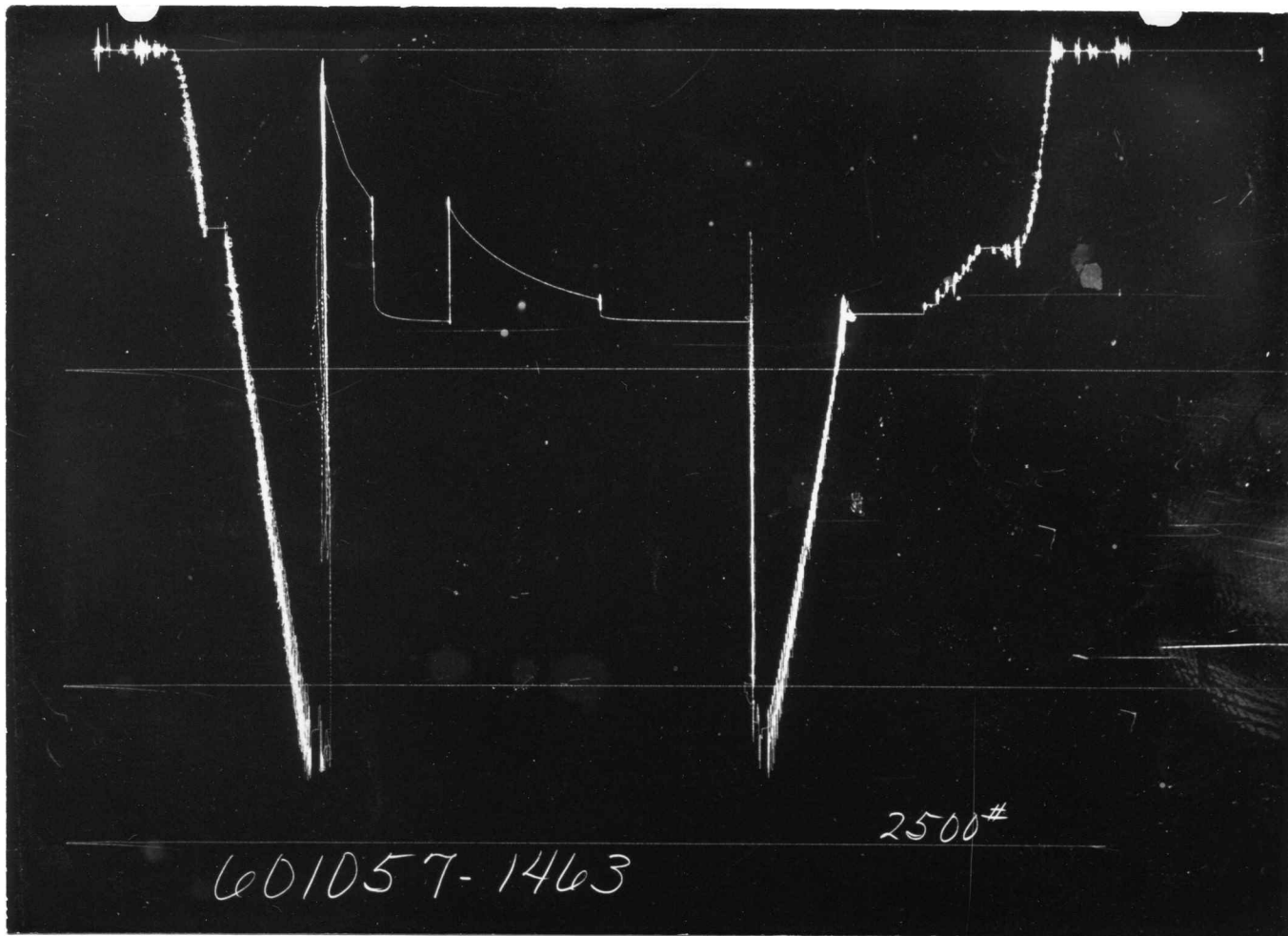
	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5.75"	2.75"	12"	
Water Cushion Valve				
Drill Pipe	4½"	3.826"	3838'	
Drill Collars	4½" WP	2.764"	672.22'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	60.92"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60.21"	4496'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	49.63"	4501'
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	48.89"	4514'
Distributor				
Packer Assembly				
Flush Joint Anchor	5"	2.37"	24'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	61.63"	4542'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case				

TEMPERATURE
RECORDER
CHART

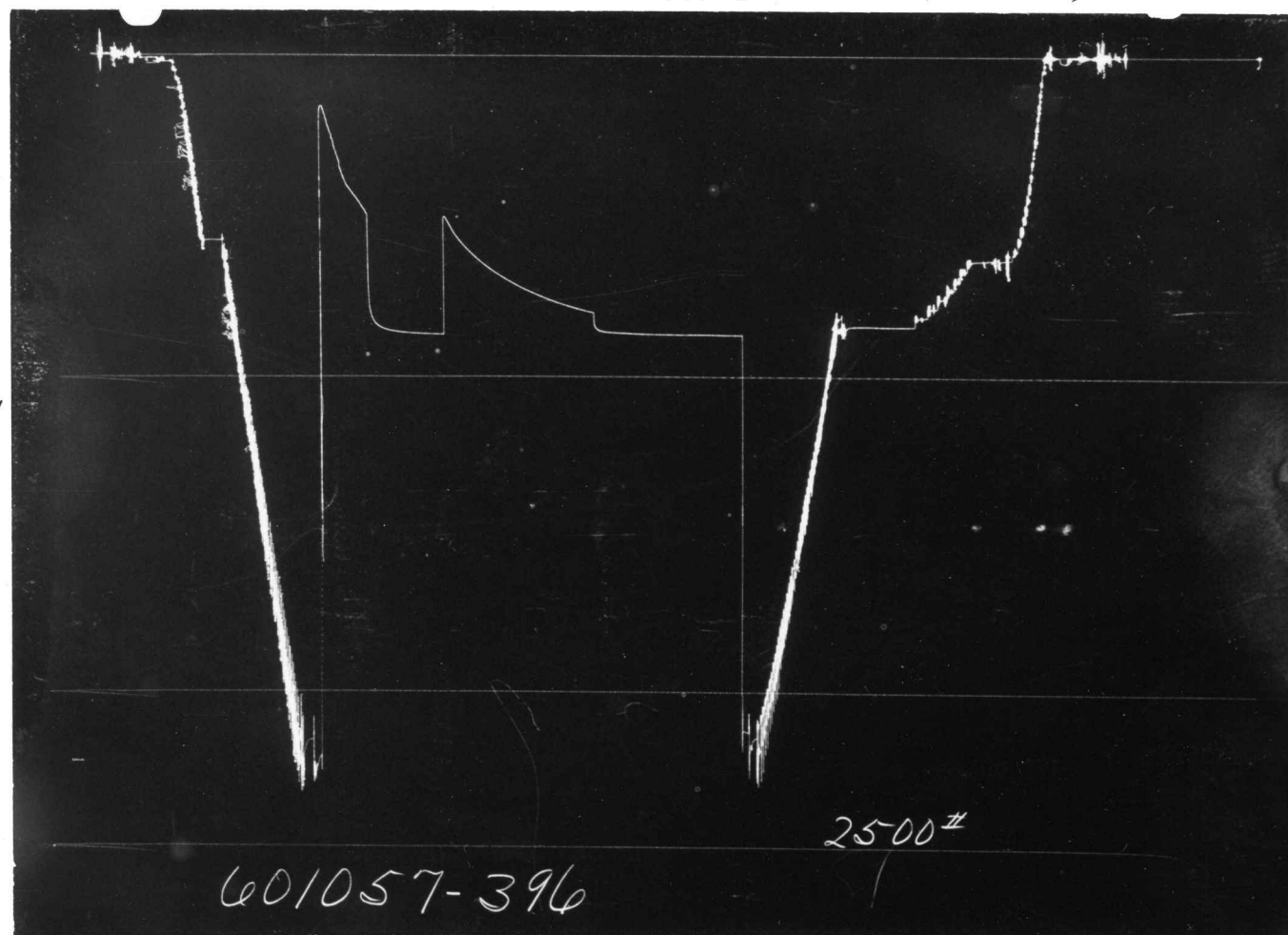
10° each circle



PRESSURE



TIME



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