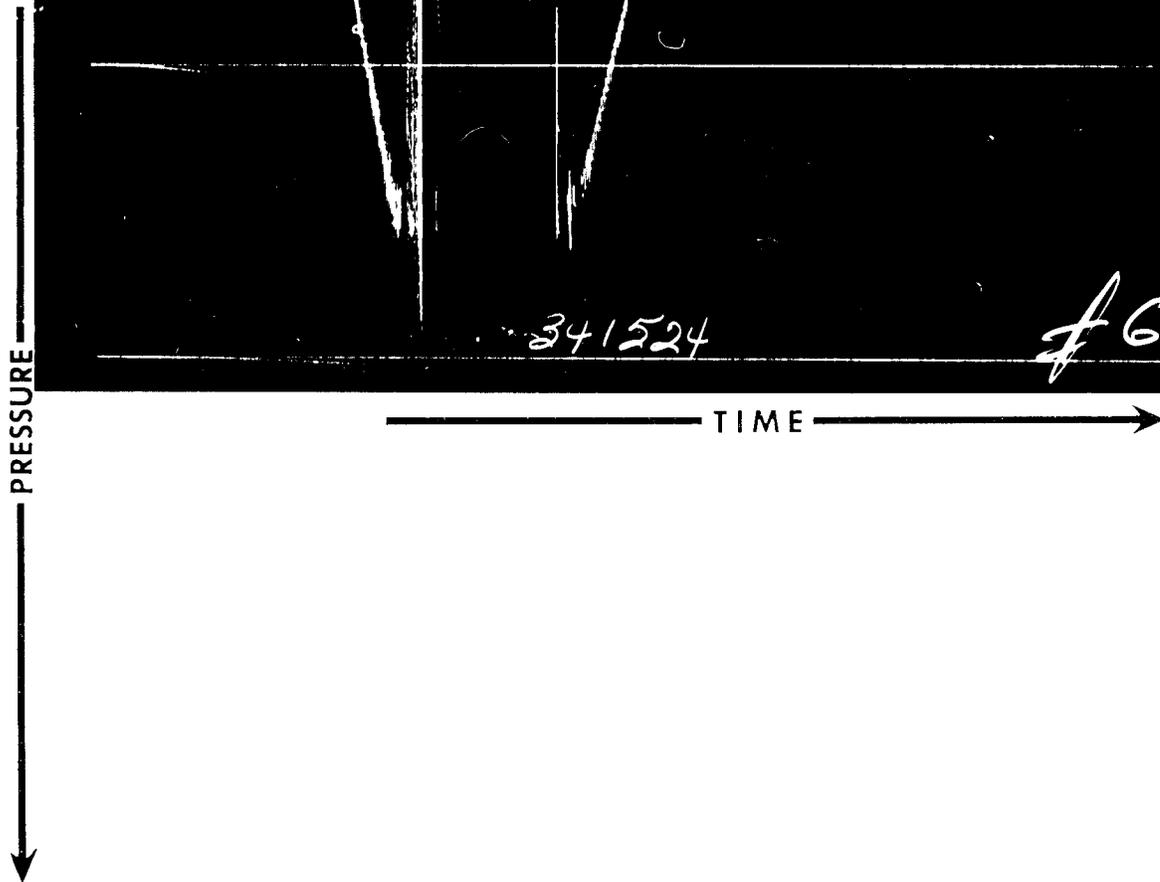


FLUID SAMPLER DATA				Date 9-9-70		Ticket Number 341524			
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District GREAT BEND			
Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____				Tester MR. ROBLES		Witness MR. MC CONNELL			
Gravity _____ ° API @ _____ °F.				Drilling Contractor LEBEN DRILLING INCORPORATED IC					
Gas/Oil Ratio _____ cu. ft./bbl.				EQUIPMENT & HOLE DATA					
RESISTIVITY _____ CHLORIDE CONTENT _____				Formation Tested Swope					
				Elevation 1811' KB Ft.					
Recovery Water _____ @ _____ °F. _____ ppm				Net Productive Interval 8' Ft.					
Recovery Mud _____ @ _____ °F.				All Depths Measured From Kelly Bushing					
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Total Depth 4791' Ft.					
Mud Pit Sample _____ @ _____ °F.				Main Hole/Casing Size 7 7/8"					
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm				Drill Collar Length 250' I.D. 2.50"					
Mud Weight 9.6 vis 47 SEC <sub>CP</sub>				Drill Pipe Length 4541' I.D. 3.826"					
				Packer Depth(s) 4766' - 4770' Ft.					
				Depth Tester Valve 4752' Ft.					
TYPE		AMOUNT		Depth Back Pres. Valve		Surface Choke		Bottom Choke	
Cushion				Ft.		1"		3/4"	
Recovered		70 Feet of Mud							
Recovered		Feet of							
Recovered		Feet of							
Recovered		Feet of							
Recovered		Feet of							
Remarks Opened tool for 15 minute first flow (after pipe slipped 10') with no blow.									
Closed tool for 47 minute initial closed in pressure. Reopened tool for 3 minute									
second flow with no blow. Closed tool and off bottom.									
TEMPERATURE		Gauge No. 684		Gauge No. 528		Gauge No.		TIME	
		Depth: 4756' Ft.		Depth: 4787' Ft.		Depth: Ft.			
		12 Hour Clock		12 Hour Clock		Hour Clock		Tool <del>XXXX</del>	
Est. 118 °F.		Blanked Off NO		Blanked Off YES		Blanked Off		Opened 11:05 P.M.	
4785'@								Tool A.M.	
Actual 105 °F.		Pressures		Pressures		Pressures		Closed 12:11 <del>XXXX</del>	
		Field Office		Field Office		Field Office		Reported Computed	
Initial Hydrostatic		2488 2488		NO CHART SENT				Minutes Minutes	
First Period Flow Initial		78 55		IN....				_____	
Flow Final		78 55						15 _____	
Closed in		140 123						47 _____	
Second Period Flow Initial		- 57						_____	
Flow Final		- 54						3 _____	
Closed in								_____	
Third Period Flow Initial								_____	
Flow Final								_____	
Closed in								_____	
Final Hydrostatic		2496 2488						_____	

Legal Location Sec. - Twp. - Rng. 23 - 33 - 20  
 Lease Name WILDCAT  
 Field Area  
 County COMANCHE  
 State KANSAS  
 Baker, ORA  
 Lease No. 1  
 Test No. 1  
 Tested Interval 4770' - 4791'  
 YUCCA PETROLEUM COMPANY  
 Lease Owner/Company Name

2

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5.75"	2.75"	12"	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	4541'	
Drill Collars	5.75"	2.50"	250'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	60.92"	
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	60.21"	4752'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	49.63"	4756'
Hydraulic Jar	5"	.87"	39.46"	
VR Safety Joint	5"	1"	33.40"	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	48.89"	4766'
Distributor				
Packer Assembly	6 3/4"	1.53"	48.89"	4770'
Flush Joint Anchor	5"	2.37"	17'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	3.06"	49.63"	4787'
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				



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

TEMPERATURE  
RECORDER  
CHART



10° each circle



Gauge No. 698		Depth 4780'		Clock No. 3004		12 hour		Ticket No. 261855	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	P.S.I.G. Temp. Corr.	Time Defl. .000"	Log $\frac{t \pm \theta}{\theta}$	Time Defl. .000"	P.S.I.G. Temp. Corr.	Time Defl. .000"	Log $\frac{t \pm \theta}{\theta}$	Time Defl. .000"	P.S.I.G. Temp. Corr.
0	.000	21	.000	.000	35	.000			
1	.398	25	.0397	.399	33	.0401			
2			.0794			.0802			
3			.1191			.1203			
4			.1588			.1604			
5			.1985			.2005			
6			.2382			.2406			
7			.2779			.2807			
8			.3176			.3208			
9			.3573			.3609			
10			.390			.394			
11									
12									
13									
14									
15									

Gauge No. 1715		Depth 4798'		Clock No. ????		12 hour	
Time Defl. .000"	P.S.I.G. Temp. Corr.	Time Defl. .000"	Log $\frac{t \pm \theta}{\theta}$	Time Defl. .000"	P.S.I.G. Temp. Corr.	Time Defl. .000"	Log $\frac{t \pm \theta}{\theta}$
0	.000	30	.000	.000	40	.000	
1	.407	31	.0404	.402	39	.0404	
2			.0808			.0808	
3			.1212			.1212	
4			.1616			.1616	
5			.2020			.2020	
6			.2424			.2424	
7			.2828			.2828	
8			.3232			.3232	
9			.3636			.3636	
10			.397			.397	
11							
12							
13							
14							
15							

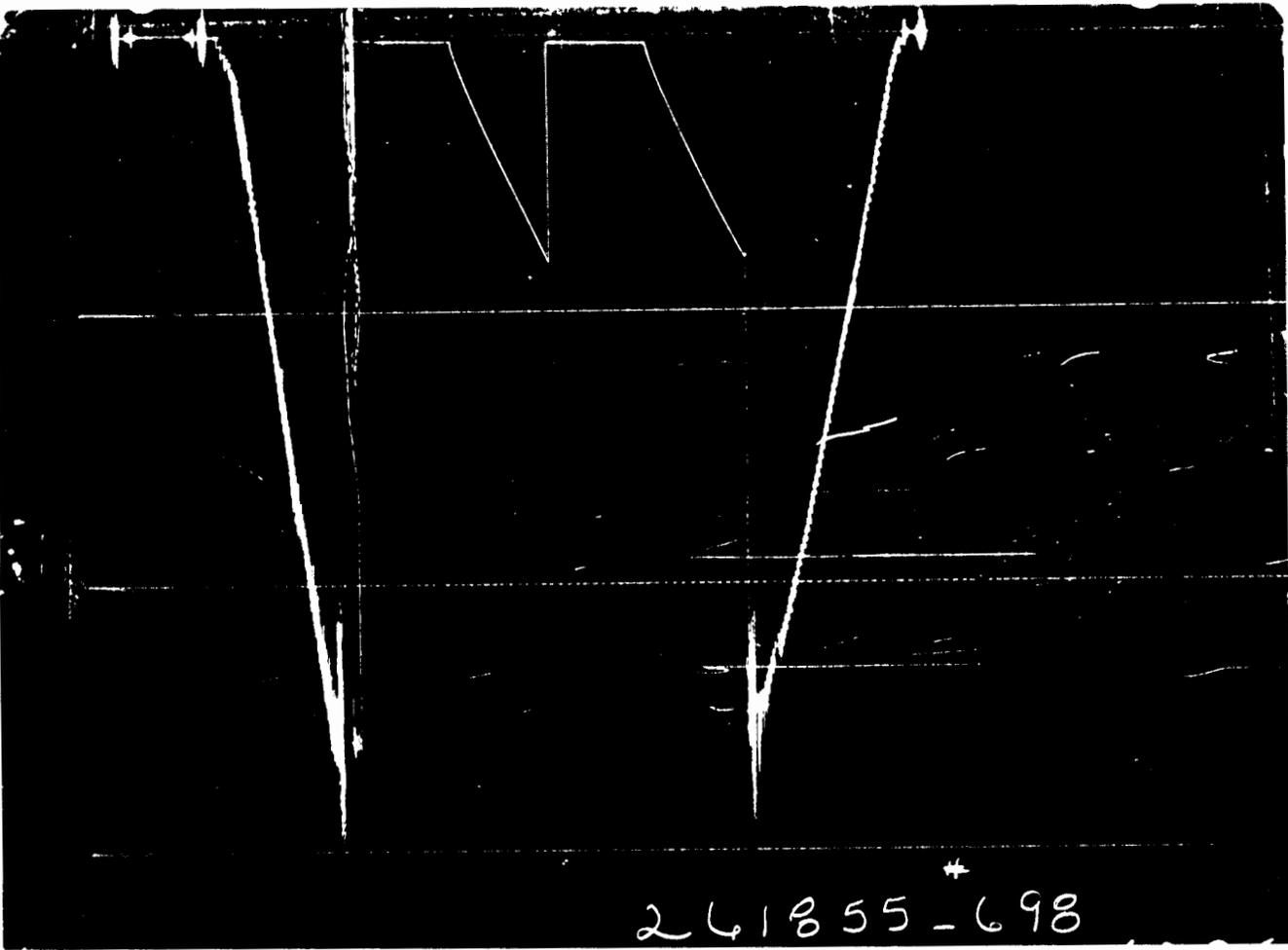
Reading Interval	6	6
REMARKS:	* INTERVAL = 5 MINUTES.	

SPECIAL PRESSURE DATA

5

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5 5/8"	2"	1 1/2'	
Water Cushion Valve				
Drill Pipe	4 1/2" F.H.	3.826"	4580'	
Drill Collars	-	2 3/4"	180'	
Handling Sub & Choke Assembly	5 3/4"	2 1/2"	2 1/2'	
Dual CIP Valve	5"	3/4"	6'	
Dual CIP Sampler	5"	3/4"		
Hydro-Spring Tester	5"	3/4"	5'	4770'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/2"	4'	4780'
Hydraulic Jar	5"	3/4"	5'	
VR Safety Joint	5"	1 1/2"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	3/4"	4'	4790'
Distributor				
Packer Assembly				
Flush Joint Anchor	5"	2 1/2"	12'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/2"	4'	4798'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly	6 3/4"	3/4"	4'	4802'
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case	5"	2 1/2"	4'	4892'

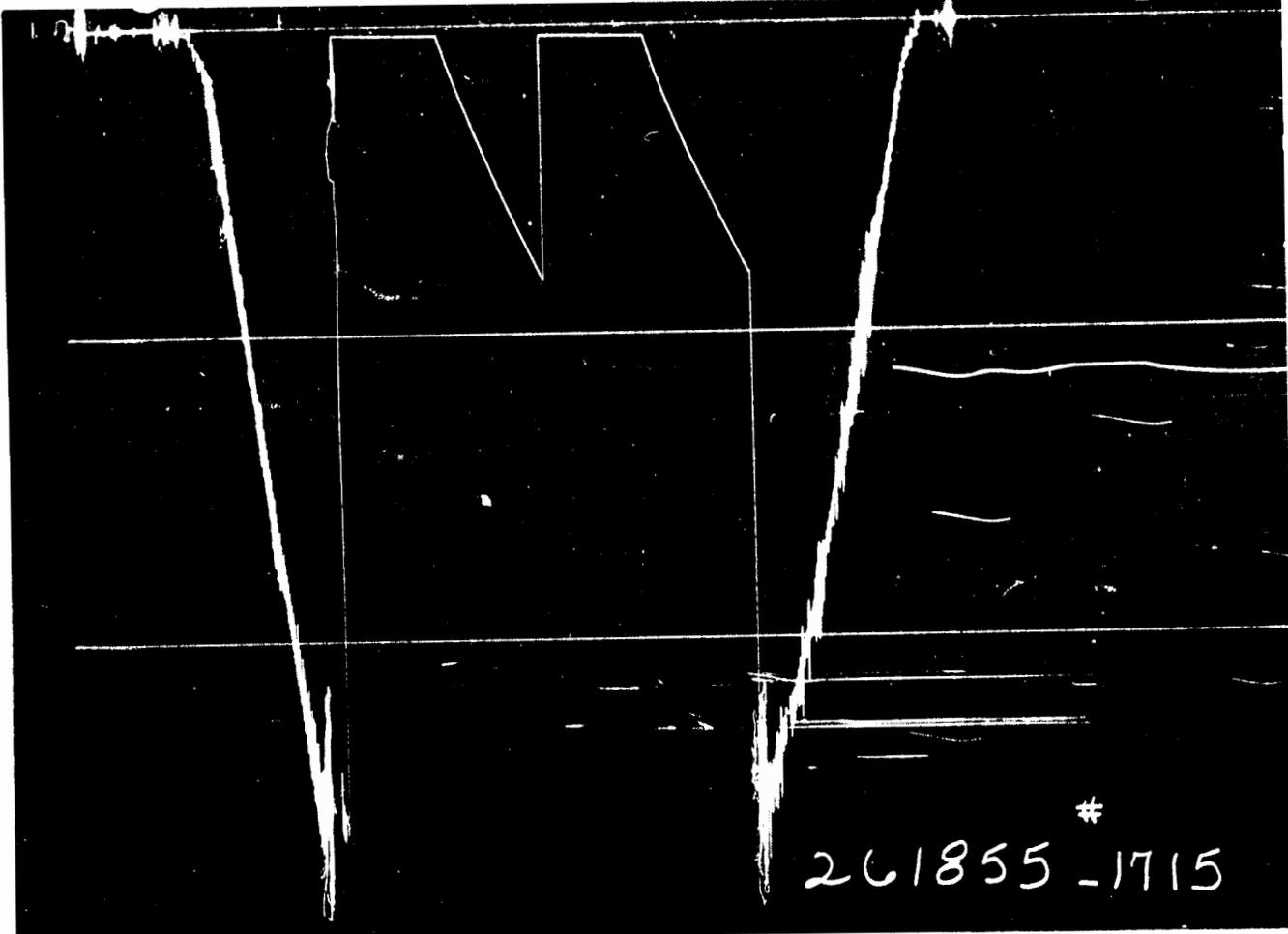
PRESSURE



261855-698

TIME

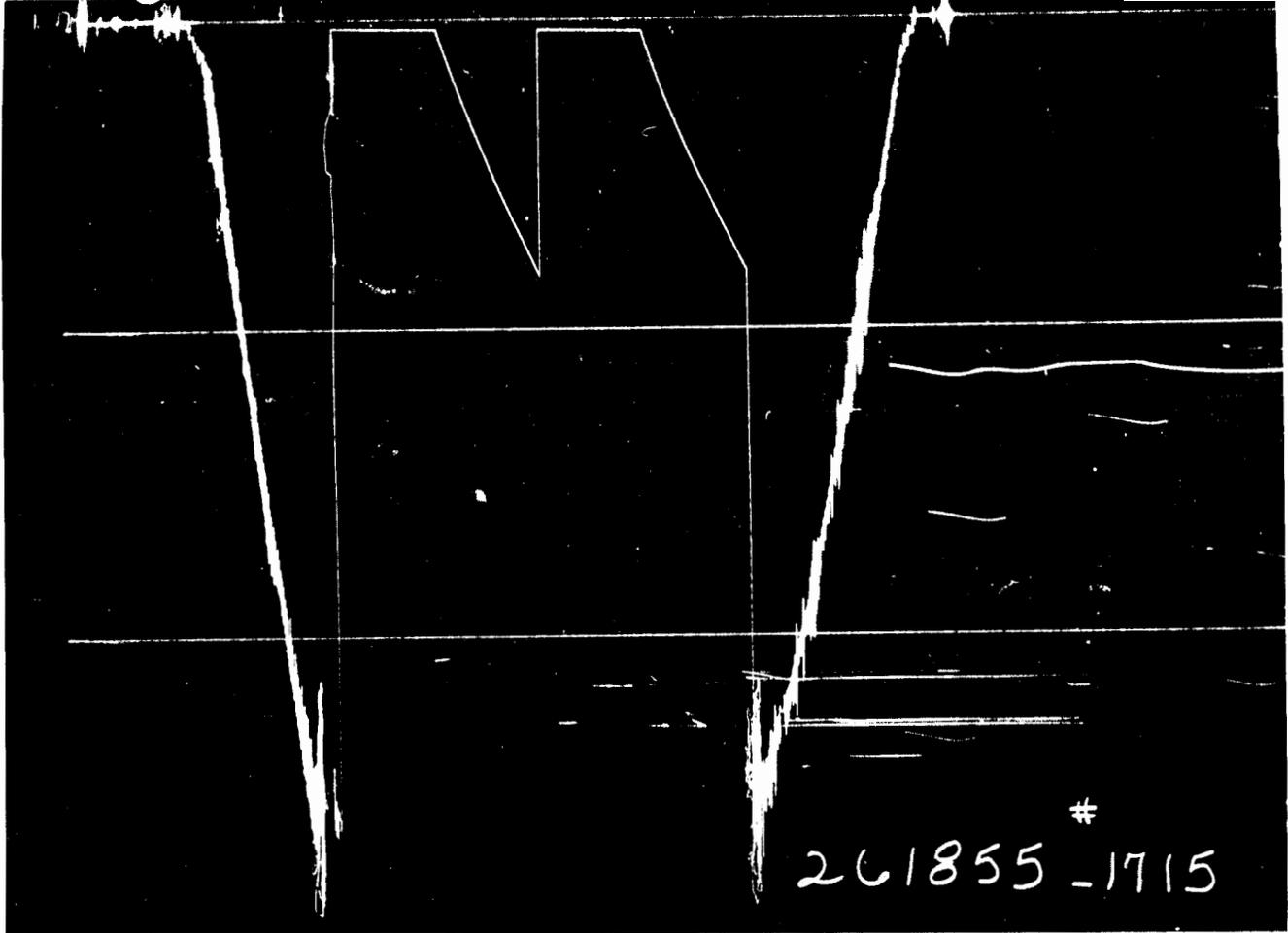
PRESSURE



261855-1715

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

PRE  
↓



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

