

Gauge No. 1831		Depth 4610'		Clock No. -----		12 hour		Ticket No. 128372	
First Flow Period		First Closed In Pressure		Second Flow Period		Second Closed In Pressure		Third Flow Period	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.000 50	.000		38	.000		42		
1	.0343 UTR	.0206		385	.0687		37	.0208	
2	.0686 39	.0412		394	.1374		38	.0416	
3	.1029 41	.0618		396	.2061		39	.0624	
4	.1372 38	.0823		401	.2748		41	.0832	
5	.1716 37	.1029		405	.3435		42	.1040	
6	.1990 38*	.1235		409	.4260		42***	.1248	
7		.1441		413				.1456	
8		.1647		418				.1664	
9		.1853		421				.1872	
10		.1990		425**				.2080	
11									
12									
13									
14									
15									

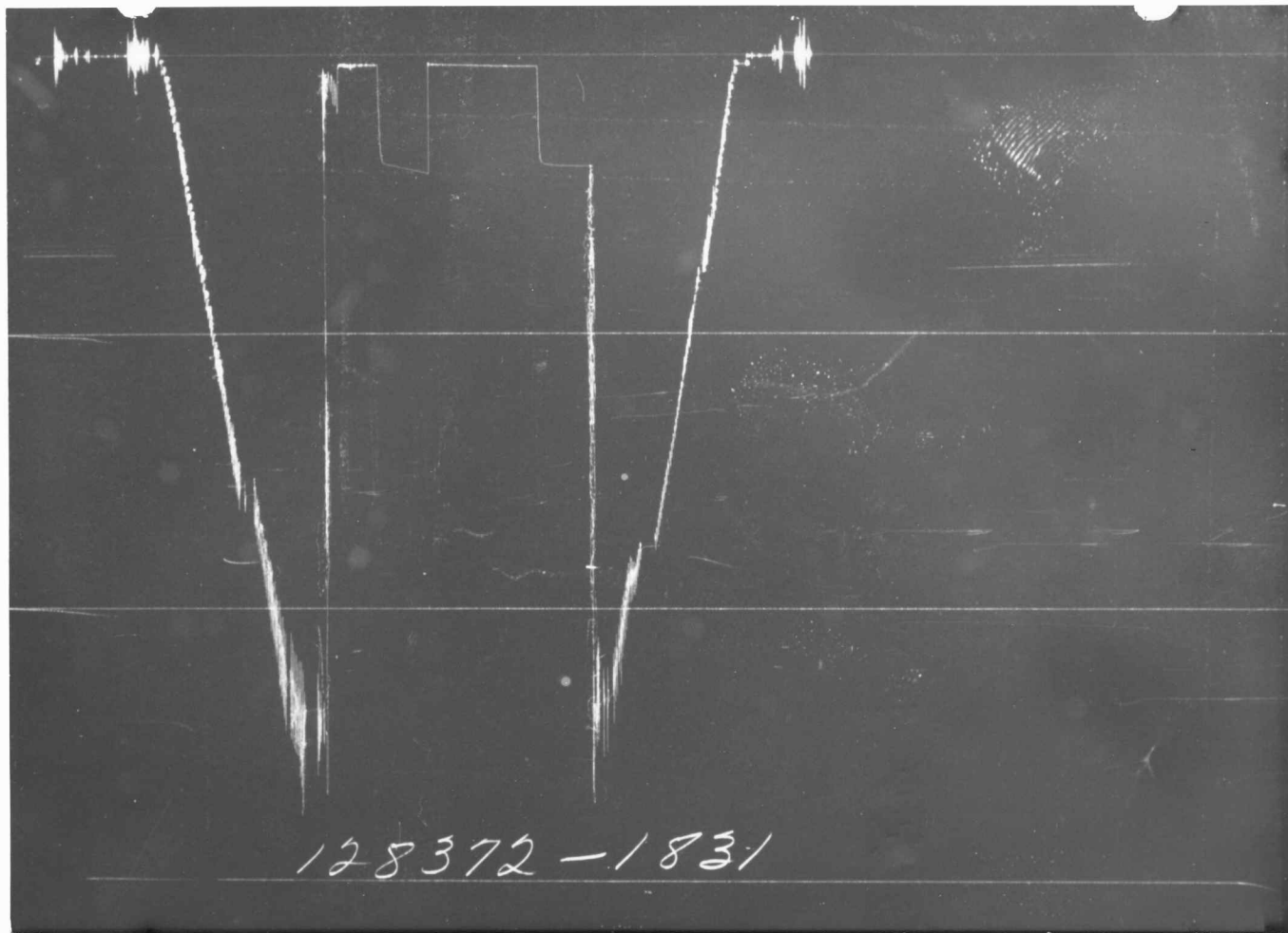
Gauge No. 1830		Depth 4691'		Clock No. -----		12 hour	
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log } \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000 111	.000		80	.000		83
1	.0364 UTR	.0213		418	.0719		78
2	.0728 81	.0426		431	.1439		78
3	.1091 84	.0639		436	.2158		80
4	.1455 80	.0852		440	.2877		81
5	.1819 80	.1066		444	.3597		81
6	.2110 80*	.1279		448	.4460		83***
7		.1492		452			
8		.1705		456			
9		.1918		461			
10		.2060		464**			
11							
12							
13							
14							
15							
Reading Interval 5		3		10		3	

REMARKS: UTR - Unable to read		* Last interval equal to 4 minutes		** Last interval equal to 2 minutes	
		*** Last interval equal to 12 minutes			

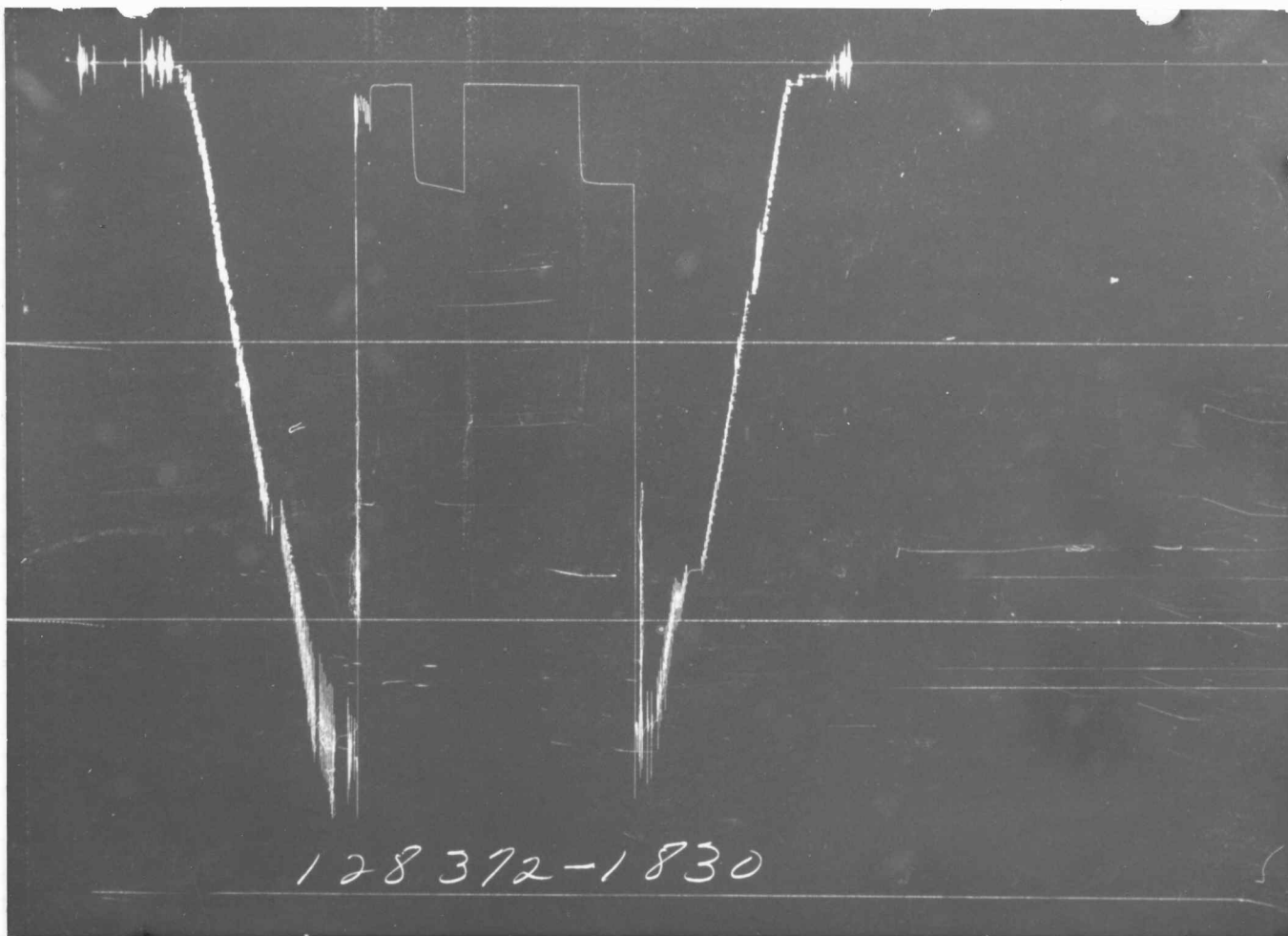
REMARKS: UTR - Unable to read * Last interval equal to 4 minutes ** Last interval equal to 2 minutes
 *** Last interval equal to 12 minutes

	O. D.	I. D.	LENGTH	DEPTH
Reversing Sub	5 5/8	7"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2	3.878		
Drill Collars	6 1/2	2 1/2	150'	
Handling Sub & Choke Assembly	5 3/4	2 1/2	2'	
Dual CIP Valve	5"	2	6'	
Dual CIP Sampler				
Hydro-Spring Tester	5"	3/4	5'	
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2 1/2	4'	
Hydraulic Jar	5"	3/4	4'	
VR Safety Joint	5"	1 1/2	2 1/2	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4	1 1/2"	4'	
Distributor				
Packer Assembly				
Flush Joint Anchor	5"	2 1/2	75'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case	5"	2 1/2	4'	
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				

PRESSURE



TIME

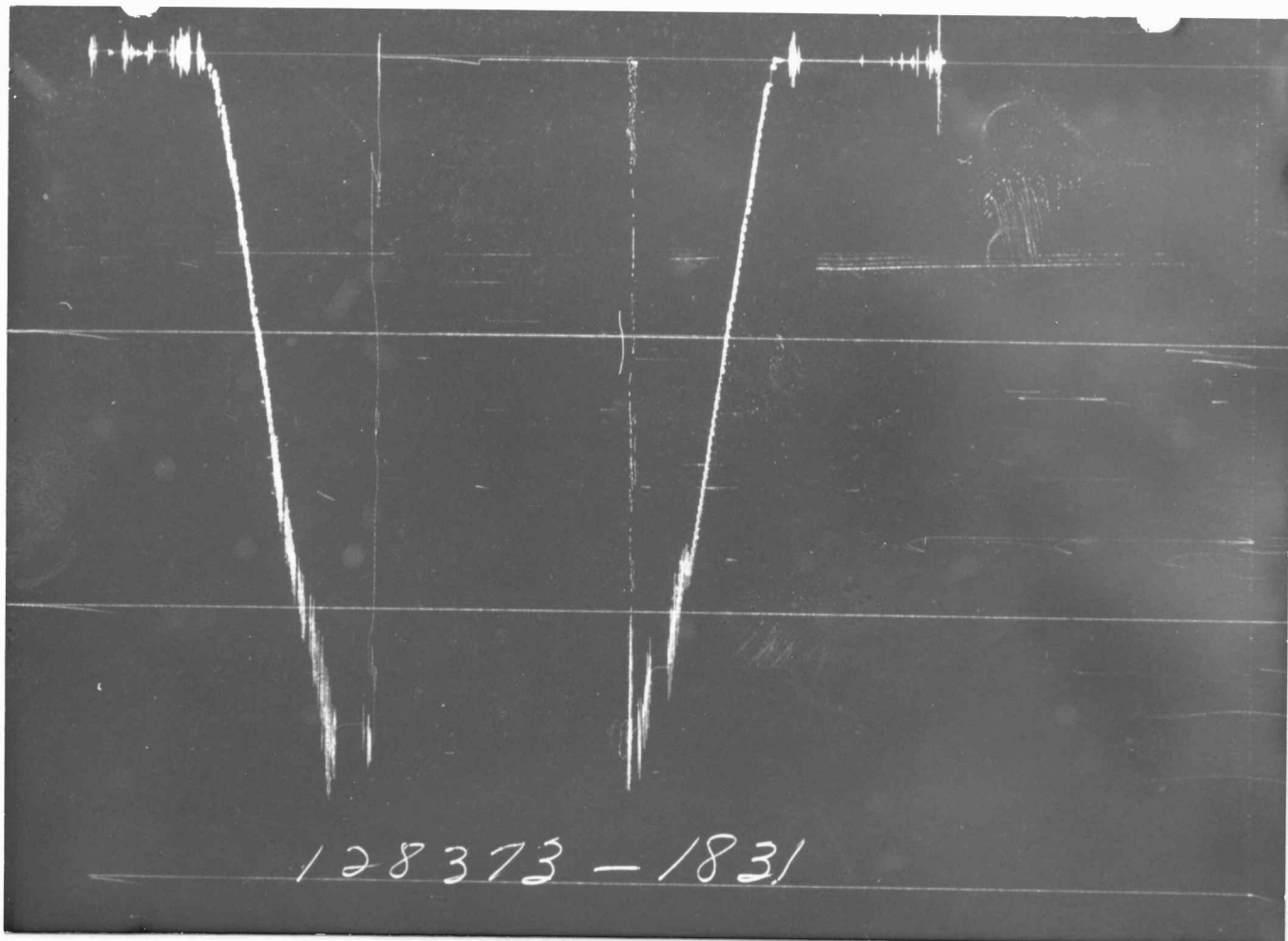


Each Horizontal Line Equal to 1000 p.s.i.

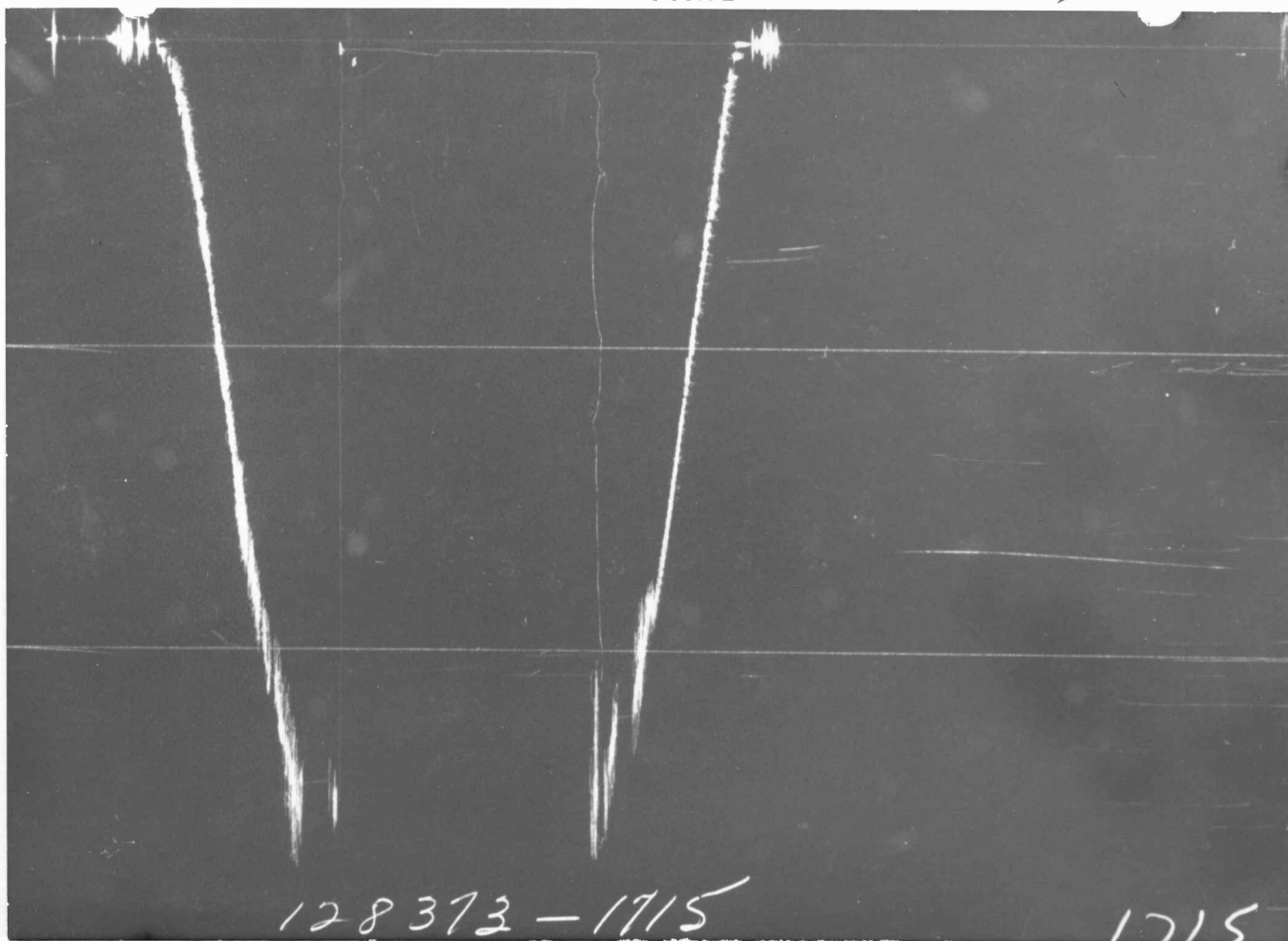
FLUID SAMPLER DATA				Date <u>7/24/69</u>		Ticket Number <u>128373</u>	
Sampler Pressure _____ P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____ Gravity _____ ° API @ _____ °F. Gas/Oil Ratio _____ cu. ft./bbl.				Kind of Job <u>OPEN HOLE</u>		Halliburton District <u>PRATT</u>	
				Tester <u>BILL THOMPSON</u>		Witness <u>MR. MARK RICHARDSON</u>	
				Drilling Contractor <u>GABBERT AND JONES</u>		LC	
EQUIPMENT & HOLE DATA							
				Formation Tested <u>Mississippi</u>			
				Elevation <u>2134'</u> KB		Ft.	
				Net Productive Interval <u>10'</u>		Ft.	
				All Depths Measured From <u>Kelly Bushing</u>			
				Total Depth <u>4775'</u>		Ft.	
				Main Hole/Casing Size <u>7 7/8"</u>			
				Drill Collar Length <u>210'</u>		I.D. <u>2 1/4"</u>	
				Drill Pipe Length <u>4660'</u>		I.D. <u>3.828</u>	
				Packer Depth(s) <u>4740' - 4712'</u>		Ft.	
				Depth Tester Valve <u>4715'</u>		Ft.	
TYPE		AMOUNT		Depth Back		Surface	
Cushion		None		Ft. Pres. Valve -----		Choke 1" Bottom Choke 3/4"	
Recovered		5 Feet of mud.					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks <u>Opened tool for 30 minute first flow. Closed tool for 30 minute first closed</u> <u>in pressure. Reopened tool for a 60 minute second flow. Closed tool for 30 minute</u> <u>final closed in pressure.</u>							
TEMPERATURE		Gauge No. <u>1831</u>		Gauge No. <u>1715</u>		Gauge No. <u>1830</u>	
		Depth: <u>4725</u> Ft.		Depth: <u>4736</u> Ft.		Depth: <u>4771</u> Ft.	
		-- Hour Clock		-- Hour Clock		-- Hour Clock	
Est. <u>116</u> °F.		Blanked Off <u>No</u>		Blanked Off <u>Yes</u>		Blanked Off <u>Yes</u>	
Actual °F.		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic		<u>2444 2423</u>		<u>2444 2441</u>		<u>2444 2468</u>	
Flow Initial		<u>17 6</u>		<u>17 29</u>		<u>Hydrostatic</u>	
Flow Final		<u>26 7</u>		<u>26 29</u>		<u>Release</u>	
Closed in		<u>43 27</u>		<u>43 48</u>			
Flow Initial		<u>17 13</u>		<u>17 34</u>			
Flow Final		<u>26 10</u>		<u>26 31</u>			
Closed in		<u>34 15</u>		<u>35 35</u>		<u>1982</u>	
Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic		<u>2427 2423</u>		<u>2427 2441</u>		<u>2427 2468</u>	

Legal Location
 Sec. - Twp. - Rng. 33 27 16 W
 Lease Name DAVIS
 Well No. 3
 Test No. 2
 Tested Interval 4740' - 4775'
 County WILDCAT
 State KANSAS
 Lease Owner/Company Name MARK RICHARDSON

PRESSURE

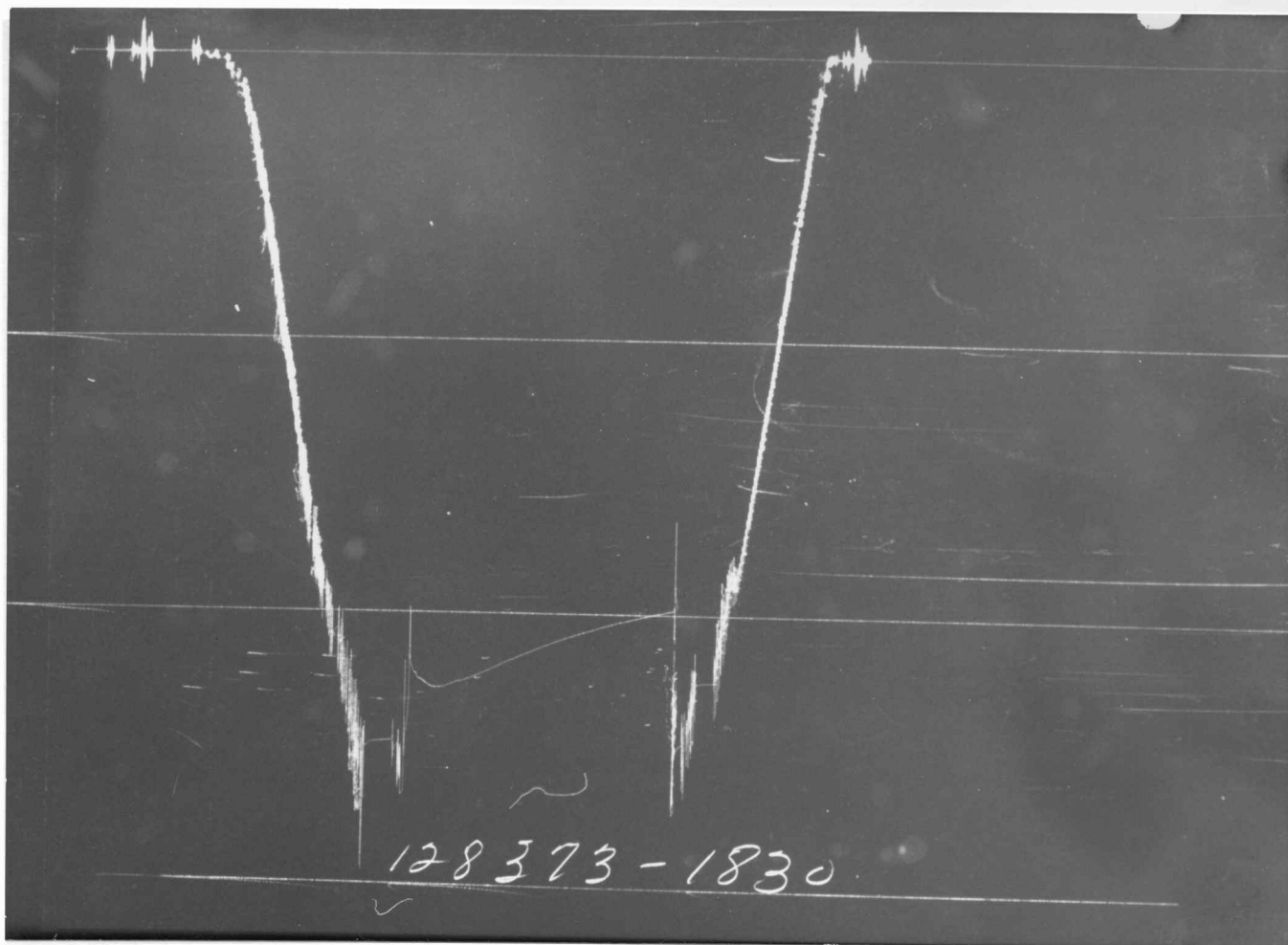


TIME



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

Each horizontal line equals 1000 p.s.f.



FLUID SAMPLER DATA				Date <u>7/25/69</u>		Ticket Number <u>128374 "B"</u>	
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 <u>OPEN HOLE</u>		Halliburton District <u>PRATT</u>	
				Tester <u>BILL THOMPSON</u>		Witness <u>MR. MARK RICHARDSON</u>	
				Drilling Contractor <u>GABBERT AND JONES</u>		LC	
EQUIPMENT & HOLE DATA							
				Formation Tested <u>-----</u>			
				Elevation <u>2134'</u> KB Ft.			
				Net Productive Interval <u>10'</u> Ft.			
				All Depths Measured From <u>Kelly Bushing</u>			
				Total Depth <u>4775'</u> Ft.			
				Main Hole/Casing Size <u>7 7/8"</u>			
				Drill Collar Length _____ I.D. <u>2 1/4"</u>			
				Drill Pipe Length <u>3300'</u> I.D. <u>3.328</u>			
				Packer Depth(s) <u>3400' - 3500'</u> Ft.			
				Depth Tester Valve <u>---</u> Ft.			
TYPE		AMOUNT		Depth Back		Surface	
Cushion		<u>None</u>		Ft. Pres. Valve <u>-----</u>		Choke <u>1"</u>	
						Bottom Choke <u>3/4"</u>	
Recovered		<u>2700</u>		Feet of <u>mud.</u>		Meo. From Tester Valve	
Recovered				Feet of			
Recovered				Feet of			
Recovered				Feet of			
Recovered				Feet of			
Remarks <u>Opened tool for a 40 minute first flow. Closed tool for 30 minute first</u>							
<u>closed in pressure. Opened tool for 5 minutes and out.</u>							
TEMPERATURE		Gauge No. <u>1831</u>		Gauge No. <u>1715</u>		Gauge No. <u>1830</u>	
		Depth: <u>3380</u> Ft.		Depth: <u>3490</u> Ft.		Depth: <u>3510</u> Ft.	
		-- Hour Clock		<u>12</u> Hour Clock		-- Hour Clock	
Est. <u>103</u> °F.		Blanked Off <u>NO</u>		Blanked Off <u>---</u>		Blanked Off <u>YES</u>	
Actual °F.		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic		<u>-- 1736</u>		<u>-- 1786</u>		<u>-- 1795</u>	
First Period	Flow Initial						
	Flow Final						
	Closed in	<u>MISRUN NO READINGS</u>		<u>MISRUN NO READINGS</u>		<u>MISRUN NO READINGS</u>	
Second Period	Flow Initial						
	Flow Final						
	Closed in						
Third Period	Flow Initial						
	Flow Final						
	Closed in						
Final Hydrostatic		<u>-- 1726</u>		<u>-- 1795</u>		<u>-- 1788</u>	

 Legal Location
 Sec. - Twp. - Rng.

33 27 16

Field Area

WILDCAT

County KIOWA

State KANSAS

DAVIS

Lease Name

Well No.

Test No.

3400' - 4775'

Tested Interval

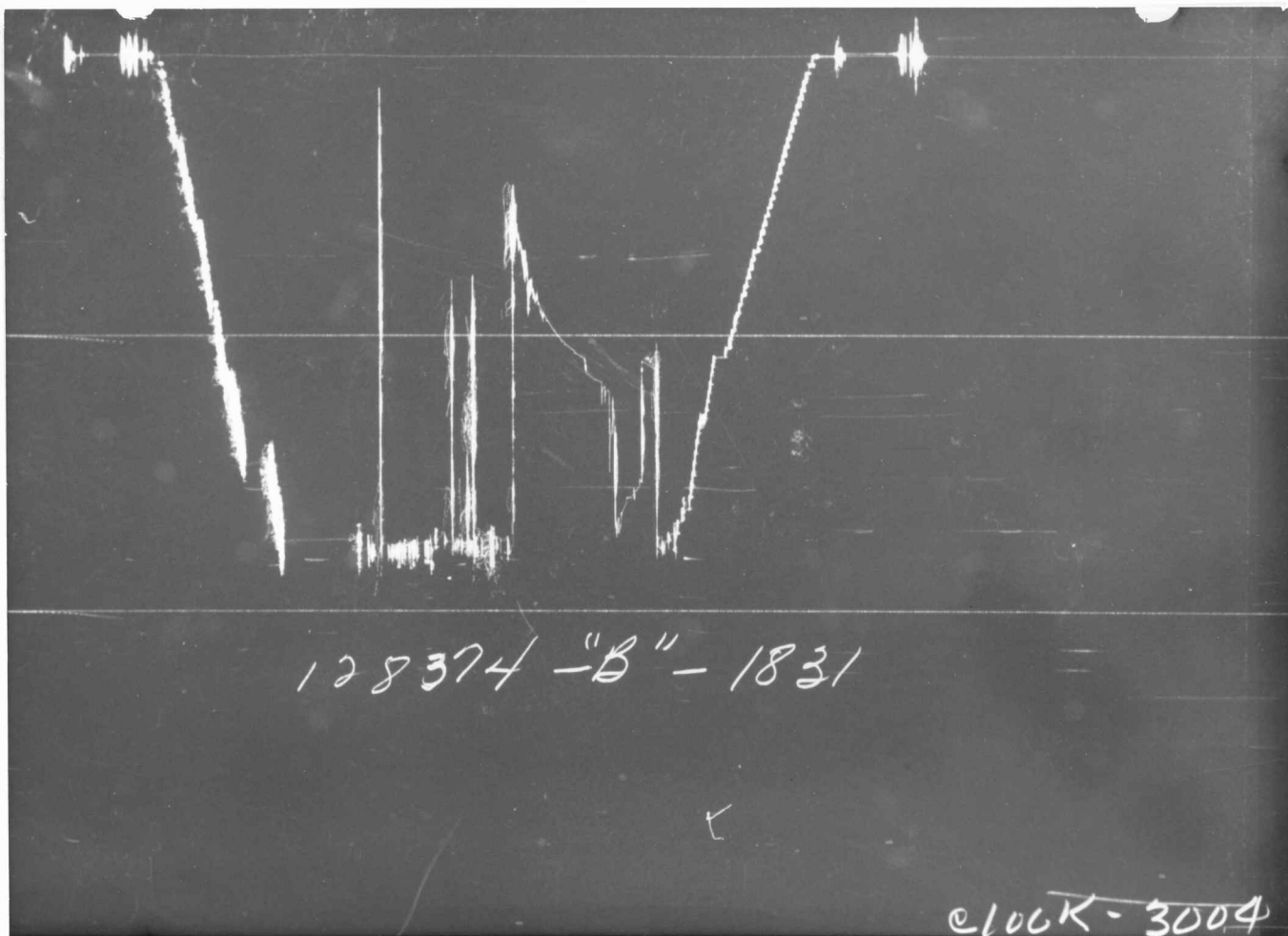
County

MARK RICHARDSON

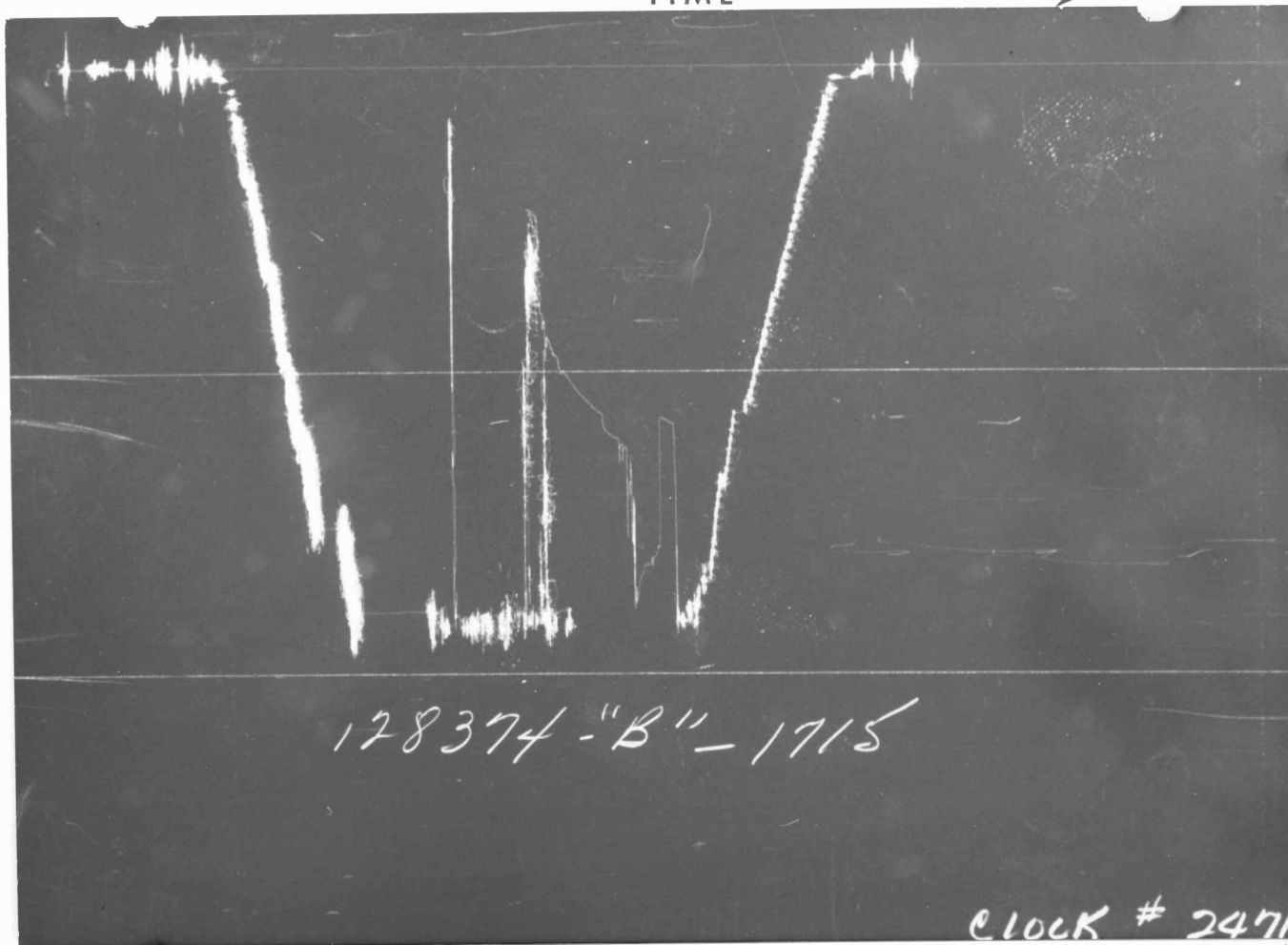
Lease Owner/Company Name

5

PRESSURE



TIME



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

