

Flow Time	1st 30 Min.	2nd 30 Min.	Date	9-3-63	Ticket Number	371290 - S
Closed In Press. Time	1st 60 Min.	2nd 60 Min.	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND
Pressure Readings	Field	Office Corrected	Tester	NUTTING	Witness	-
Depth Top Gauge	4239' Ft.	NO Blanked Off	Drilling Contractor	VAUGHN DRILLING COMPANY		
BT. P.R.D. No.	1838	12 Hour Clock	Elevation	2308' K.B.	Top Packer	4247'
Initial Hydro Mud Pressure	2309	2314	Total Depth	4275'	Bottom Packer	4252'
Initial Closed in Pres.	1289	1289	Interval Tested	6' PAY ZONE 4252' - 4275'	Formation Tested	FT. SCOTT
Initial Flow Pres.	37	1 13 2 38	Casing or Hole Size	7 7/8"	Casing Perfs. { Top - Bot. -	
Final Flow Pres.	55	1 29 2 44	Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.	1261	1254	Size & Kind Drill Pipe	4 1/2" F.H.	900' FLEX WT. I.D. - LENGTH Drill Collars Above Tester	-
Final Hydro Mud Pressure	2290	2270	Mud Weight	10	Mud Viscosity	38
Depth Cen. Gauge		Blanked Off	Temperature	110 °F Actual	Anchor Size ID OD	3.75" X 5.00" X 23'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	KELLY BUSHING	Depth of Tester Valve	4230' Ft.
Initial Hydro Mud Pres.			Cushion	NONE	Depth Back Pres. Valve	- Ft.
Initial Closed in Pres.			Recovered	65' Feet of slightly oil cut mud		
Initial Flow Pres.		1 2	Recovered	Feet of		
Final Flow Pres.		1 2	Recovered	Feet of		
Final Closed in Pres.			Recovered	Feet of		
Final Hydro Mud Pres.			Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Depth Bot. Gauge	4271' Ft.	YES Blanked Off	Gas Gravity	-	Surface Pressure	0# psi
BT. P.R.D. No.	1839	12 Hour Clock	Tool Opened	8:33 10:03 AM	A.M. P.M. Tool Closed	9:03 10:33 AM A.M. P.M.
Initial Hydro Mud Pres.	2307	2321	Remarks	Packer set, Tool opened @ 8:33 AM with a		
Initial Closed in Pres.	1305	1301		weak blow for a 30 minute first flow. Tool closed		
Initial Flow Pres.	55	1 24 2 51		@ 9:03. Rotated tool for a 60 minute initial closed		
Final Flow Pres.	64	1 44 2 59		in pressure. Tool re-opened @ 10:03 AM - dead -		
Final Closed in Pres.	1268	1268		very weak blow after 15 minutes. Tool closed @		
Final Hydro Mud Pres.	2289	2298		10:33. Took a 60 minute final closed in pressure. Tool off bottom @ 11:33.		

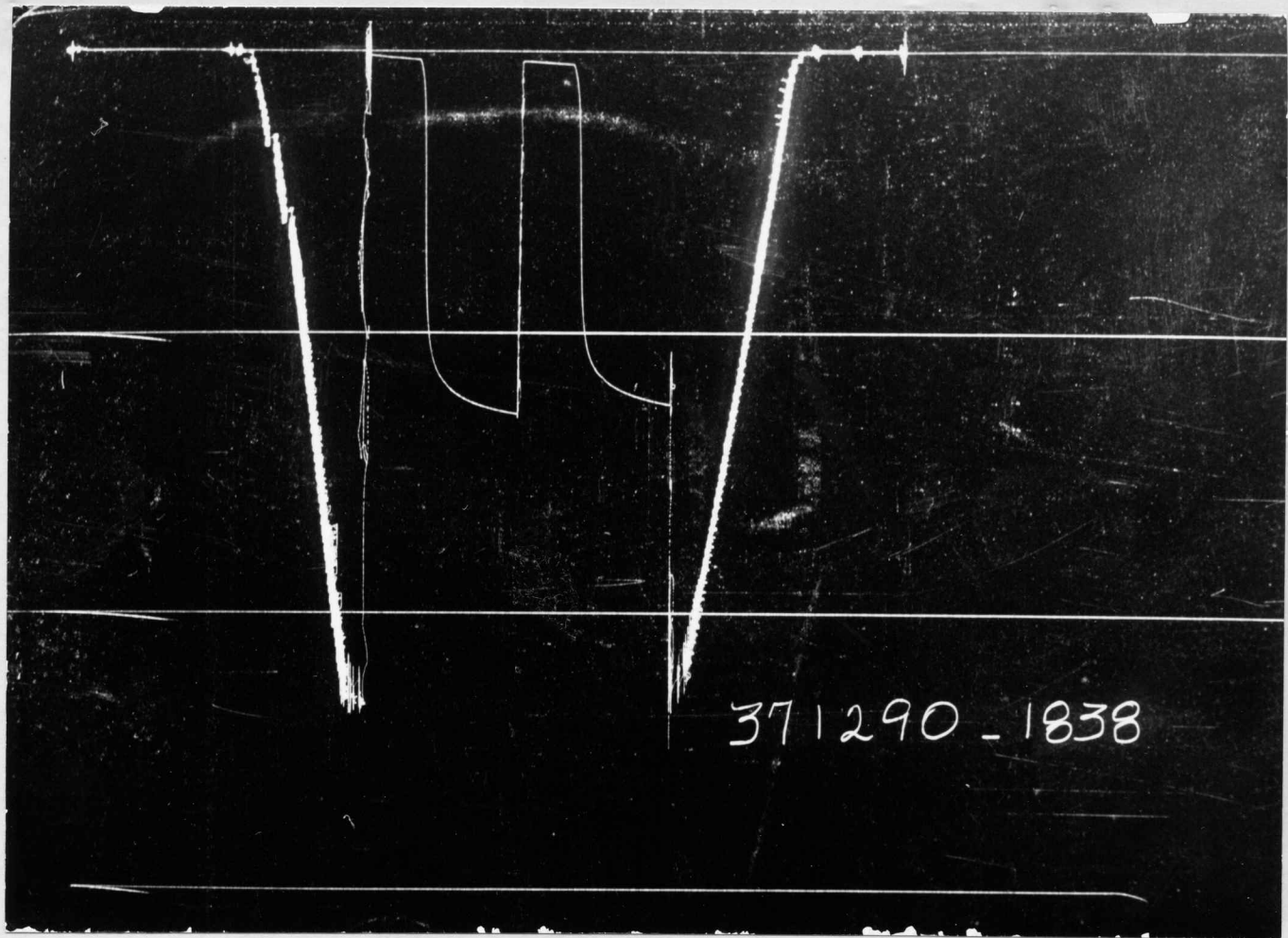
FORMATION TEST DATA

MAUCH
 Lease Name
 C - SE - SE - 4 - 19 - 24
 Well No. 1
 Test No. 1
 W. M. WILKINSON
 Lease Owner/Company Name
 WITDCAT
 County NESS
 State KANSAS
 Owner's District KANSAS

Gauge No.		1838		Depth		4239'		Clock		12 hour		Ticket No.		371290	
First Flow Period			Initial Closed In Pressure			Second Flow Period			Final Closed In Pressure						
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{e}$	PSIG Temp. Corr.					
P ₀	.000	13	.000		29	.000	38	.000		44					
P ₁	.033	16	.0389		973	.0327	34	.0386		862					
P ₂	.066	19	.0778		1142	.0654	37	.0772		1103					
P ₃	.099	22	.1167		1190	.0981	39	.1158		1153					
P ₄	.132	25	.1556		1222	.1308	41	.1544		1185					
P ₅	.165	27	.1945		1240	.1635	42	.1930		1204					
P ₆	.198	29	.2334		1255	.196	44	.2316		1219					
P ₇			.2723		1265	.091		.2702		1230					
P ₈			.3112		1274			.3088		1239					
P ₉			.3501		1282			.3474		1247					
P ₁₀			.389		1289			.386		1254					
Gauge No.		1839		Depth		4271'		Clock		12 hour					
P ₀	.000	24	.000		44	.000	51	.000		59					
P ₁	.0328	28	.0384		1018	.0333	48	.0381		938					
P ₂	.0656	35	.0768		1158	.0666	51	.0762		1123					
P ₃	.0984	37	.1152		1205	.0999	52	.1143		1168					
P ₄	.1312	39	.1536		1233	.1332	54	.1524		1198					
P ₅	.1640	40	.1920		1254	.1665	56	.1905		1218					
P ₆	.197	44	.2304		1268	.200	59	.2286		1233					
P ₇			.2688		1279			.2667		1244					
P ₈			.3072		1287			.3048		1254					
P ₉			.3456		1294			.3429		1262					
P ₁₀			.384		1301			.381		1268					
Reading Interval		5		6		5		6		Minutes					
REMARKS:															

SPECIAL PRESSURE DATA

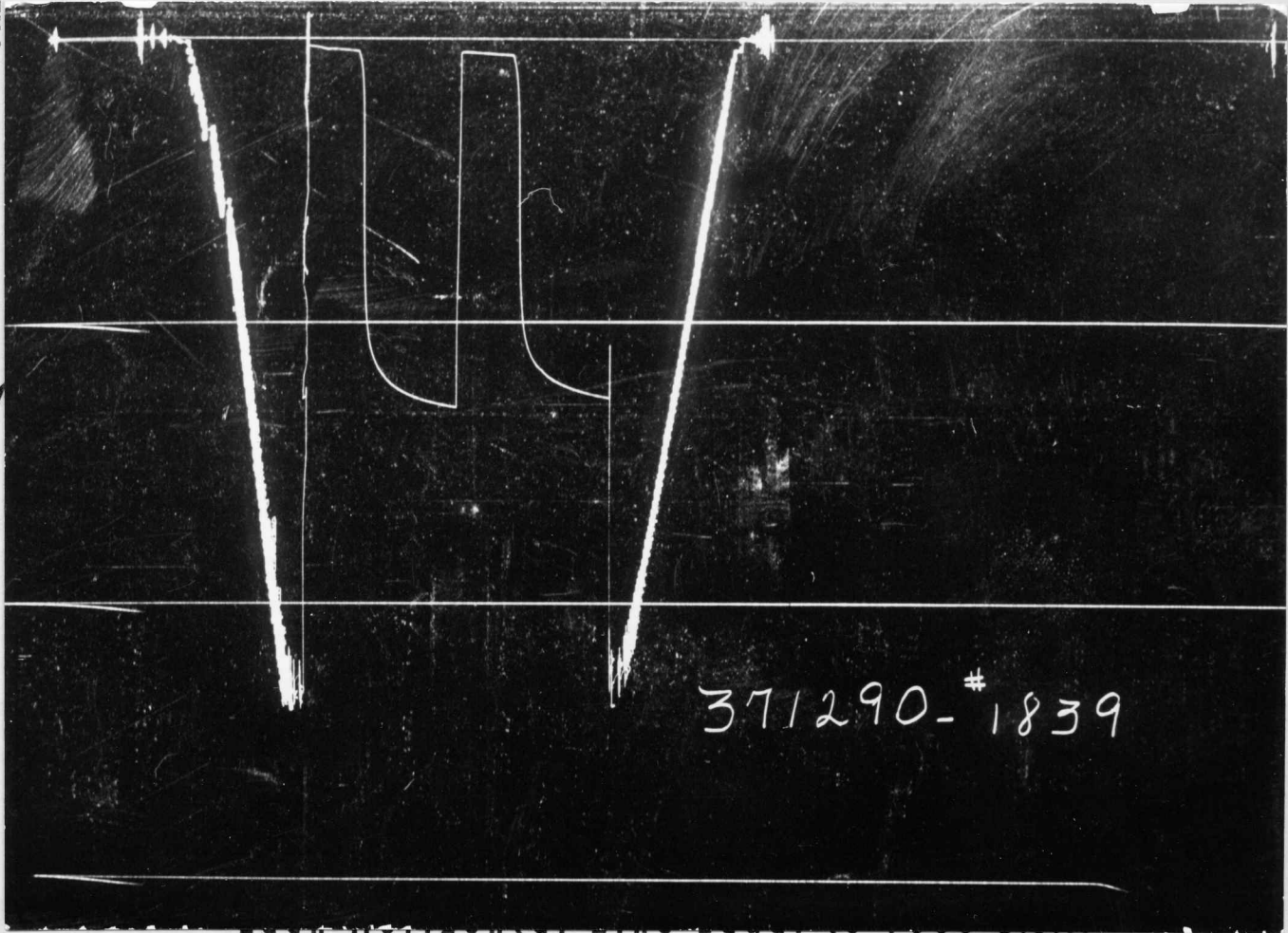
↑
PRESSURE



371290-1838

← TIME →

↓
PRESSURE



371290-1839

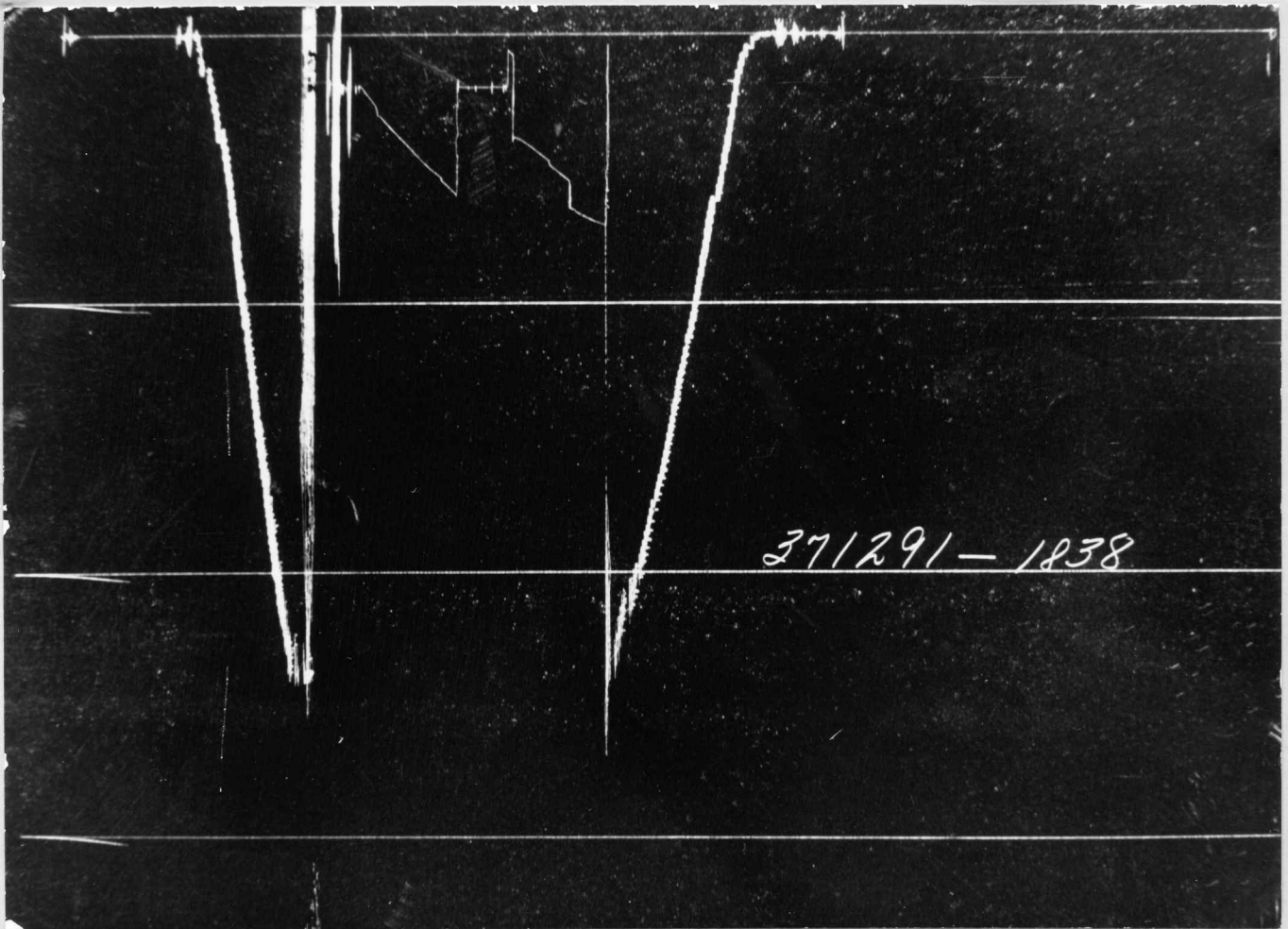
Flow Time	1st 31	Min.	2nd 30	Min.	Date	9-4-63	Ticket Number	371291
Closed In Press. Time	1st 60	Min.	2nd 61	Min.	Kind of Job	Open Hole	Halliburton District	Great Bend
Pressure Readings	Field		Office Corrected		Tester	C.L. Nutting	Witness	
Depth Top Gauge	4317	Ft.	no	Blanked Off	Drilling Contractor	Vaughn Drlg Co.		
BT. P.R.D. No.	1838		12	Hour Clock	Elevation	2308' KB	Top Packer	4325'
Initial Hydro Mud Pressure			2326		Total Depth	4342'	Bottom Packer	4328'
Initial Closed in Pres.			599*		Interval Tested	4328-4342'	Formation Tested	Cherokee
Initial Flow Pres.	1		179		Casing or Hole Size	7 7/8"	Casing Perfs.	Top
	2		195*					Bot.
Final Flow Pres.	1		192		Surface Choke	1"	Bottom Choke	3/4"
	2		195*					
Final Closed in Pres.			707*		Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	
Final Hydro Mud Pressure			2326		Mud Weight	9.9	Mud Viscosity	40
					Temperature	110	Anchor Size	3.75"
Depth Cen. Gauge		Ft.		Blanked Off	°F Est. °F Actual		& Length	ID 5.00" X 14'
BT. P.R.D. No.				Hour Clock	Depths Mea. From	Kelly Bushing	Depth of Tester Valve	4308 Ft.
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	Ft.
					Cushion			
Initial Closed in Pres.					Recovered	360	Feet of	drlg fluid
Initial Flow Pres.	1				Recovered		Feet of	
	2							
Final Flow Pres.	1				Recovered		Feet of	
	2							
Final Closed in Pres.					Recovered		Feet of	
Final Hydro Mud Pres.					Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	4338	Ft.	yes	Blanked Off	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	1839		12	Hour Clock	Tool Opened	11:36-1:07	A.M. P.M.	Tool Closed 12:07-1:37 A.M. P.M.
Initial Hydro Mud Pres.			2339		Remarks	Misrun: Tool open 11:36 AM with a weak		
Initial Closed in Pres.			-		blow. Closed 12:07 PM for 60 mins. Reopen			
Initial Flow Pres.	1				tool at 1:07 PM for flow. Closed 1:37 PM.			
	2							
Final Flow Pres.	1				Off bottom 2:38. *Questionable.			
	2							
Final Closed in Pres.			-		No special reading adaptable.			
Final Hydro Mud Pres.			2324					

Legal Location: Sec. - Twp. - Rng. MAUCH
 Lease Name: C SE SE 4-19-24
 Well No.: 1
 Test No.: 2
 Field Area: WILDCAT
 Lease Owner/Company Name: W. M. WILKINSON
 County: NESS
 State: KANSAS
 Owner's District: KANSAS

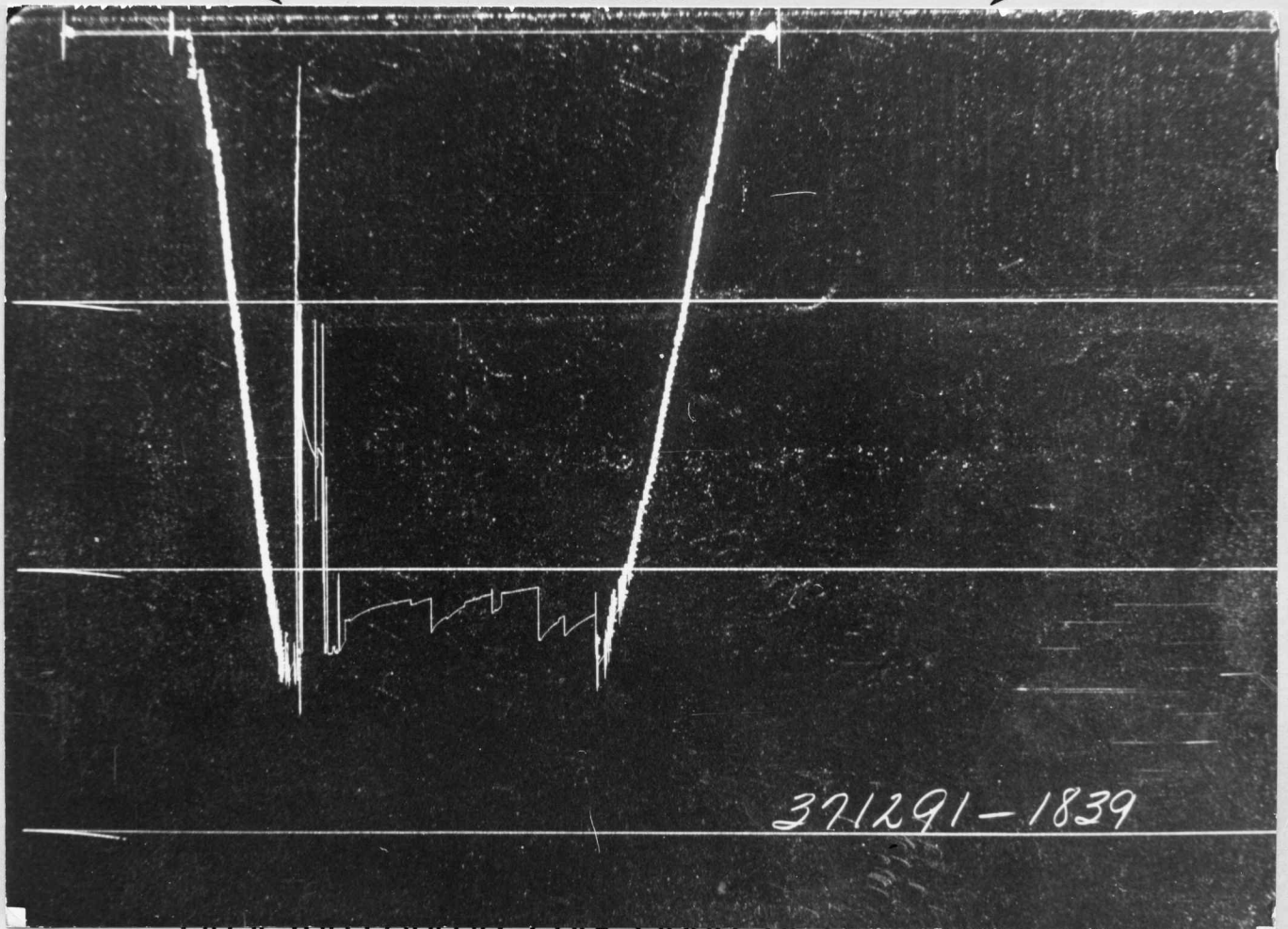
FORMATION TEST DATA

5

PRESSURE



TIME



EACH HORIZONTAL LINE EQUAL TO 1000 P.S.I.

Flow Time	1st 30	Min.	2nd 30	Min.	Date	9-4-63	Ticket Number	371292
Closed In Press. Time	1st 60	Min.	2nd 60	Min.	Kind of Job	Open Hole	Halliburton District	Great Bend
Pressure Readings	Field		Office Corrected		Tester	C.L. Nutting	Witness	
Depth Top Gauge	4307	Ft.	no	Blanked Off	Drilling Contractor	Vaughn Drlg Co.		
BT. P.R.D. No.	1838		12	Hour Clock	Elevation	2308' KB	Top Packer	4309'
Initial Hydro Mud Pressure	2346		2298		Total Depth	4342'	Bottom Packer	4314'
Initial Closed in Pres.	129		126		Interval Tested	4314-4342'	Formation Tested	cherokee
Initial Flow Pres.	9		1 9 2 12		Casing or Hole Size	7 7/8"	Casing Perfs.	Top Bot.
Final Flow Pres.	9		1 9 2 12		Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.	46		41		Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	I.D. - LENGTH
Final Hydro Mud Pressure	2309		2290		Mud Weight	10	Mud Viscosity	42
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	110	Anchor Size & Length	ID 3.75" OD 5.00" X 28'
BT. P.R.D. No.				Hour Clock	Depths Mea. From	Kelly Bushing	Depth of Tester Valve	4292 Ft.
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	Ft.
Initial Closed in Pres.					Cushion		Recovered	10 Feet of drlg fluid
Initial Flow Pres.			1 2				Recovered	Feet of
Final Flow Pres.			1 2				Recovered	Feet of
Final Closed in Pres.							Recovered	Feet of
Final Hydro Mud Pres.					Oil A.P.I. Gravity		Water Spec. Gravity	
Depth Bot. Gauge	4338	Ft.	yes	Blanked Off	Gas Gravity		Surface Pressure	psi
BT. P.R.D. No.	1839		12	Hour Clock	Tool Opened	6:59-8:29	A.M. P.M.	Tool Closed 7:29-8:59 A.M. P.M.
Initial Hydro Mud Pres.	2363		2321		Remarks	Open tool at 6:59 PM with a weak blow		
Initial Closed in Pres.	165		144			dead in 21 mins. Closed at 7:29.		
Initial Flow Pres.	37		1 33 2 33			Open tool at 8:29 PM no blow. Closed at 8:59.		
Final Flow Pres.	37		1 33 2 33			Off bottom at 9:59.		
Final Closed in Pres.	64		65			No special reading adaptable.		
Final Hydro Mud Pres.	2326		2313					

FORMATION TEST DATA

5

MAUCH
 Lease Name
 Well No. 1
 Test No. 3
 W. M. WILKINSON
 Lease Owner/Company Name
 NESS
 County
 State
 KANSAS
 Owner's District

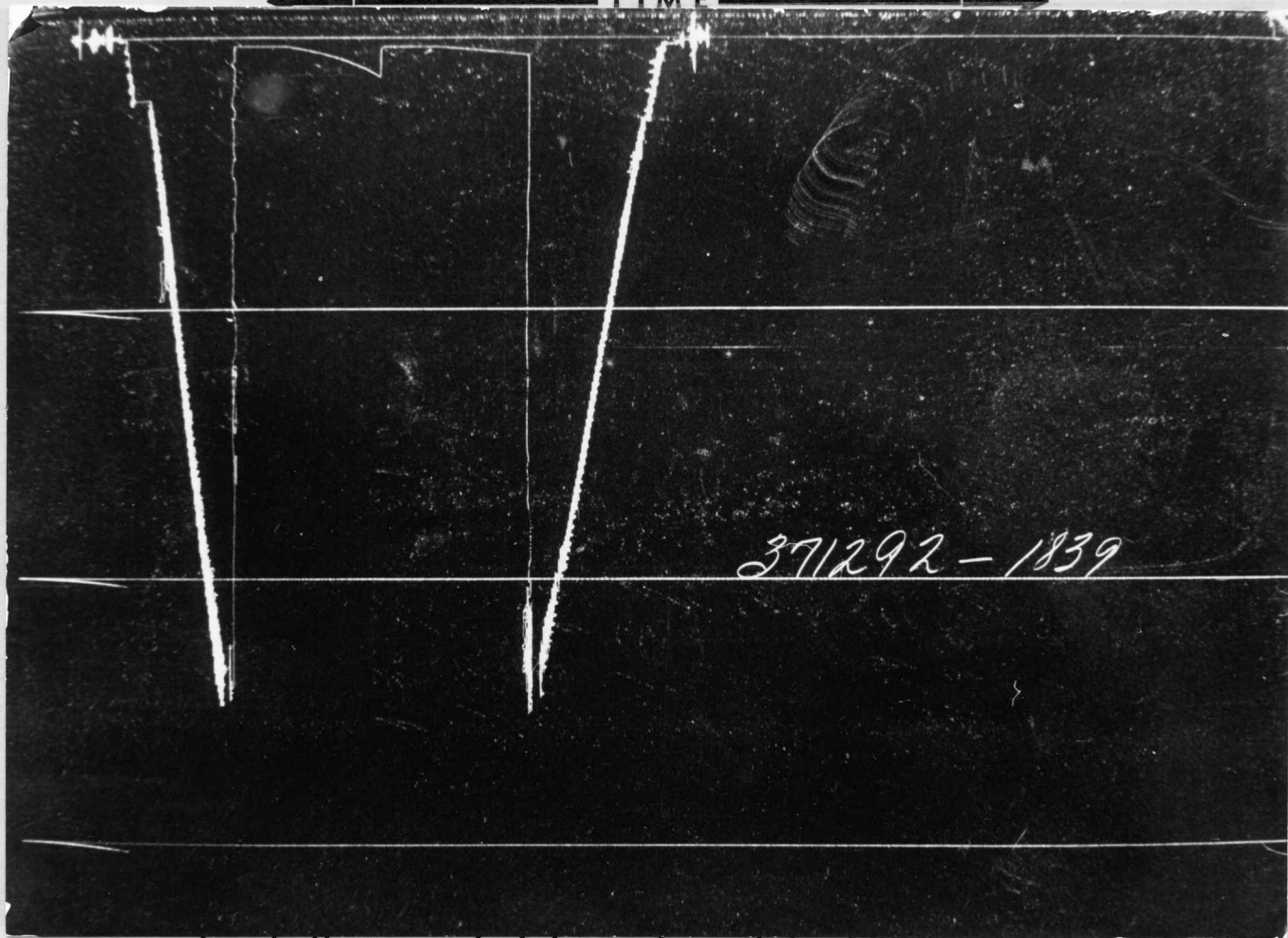
Legal Location
 Sec. - Twp. - Rng.
 C SE SE 4-19-24
 Field Area
 WILD CAT
 NESS
 KANSAS

PRESSURE



37.1292-1838

TIME



371292-1839

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

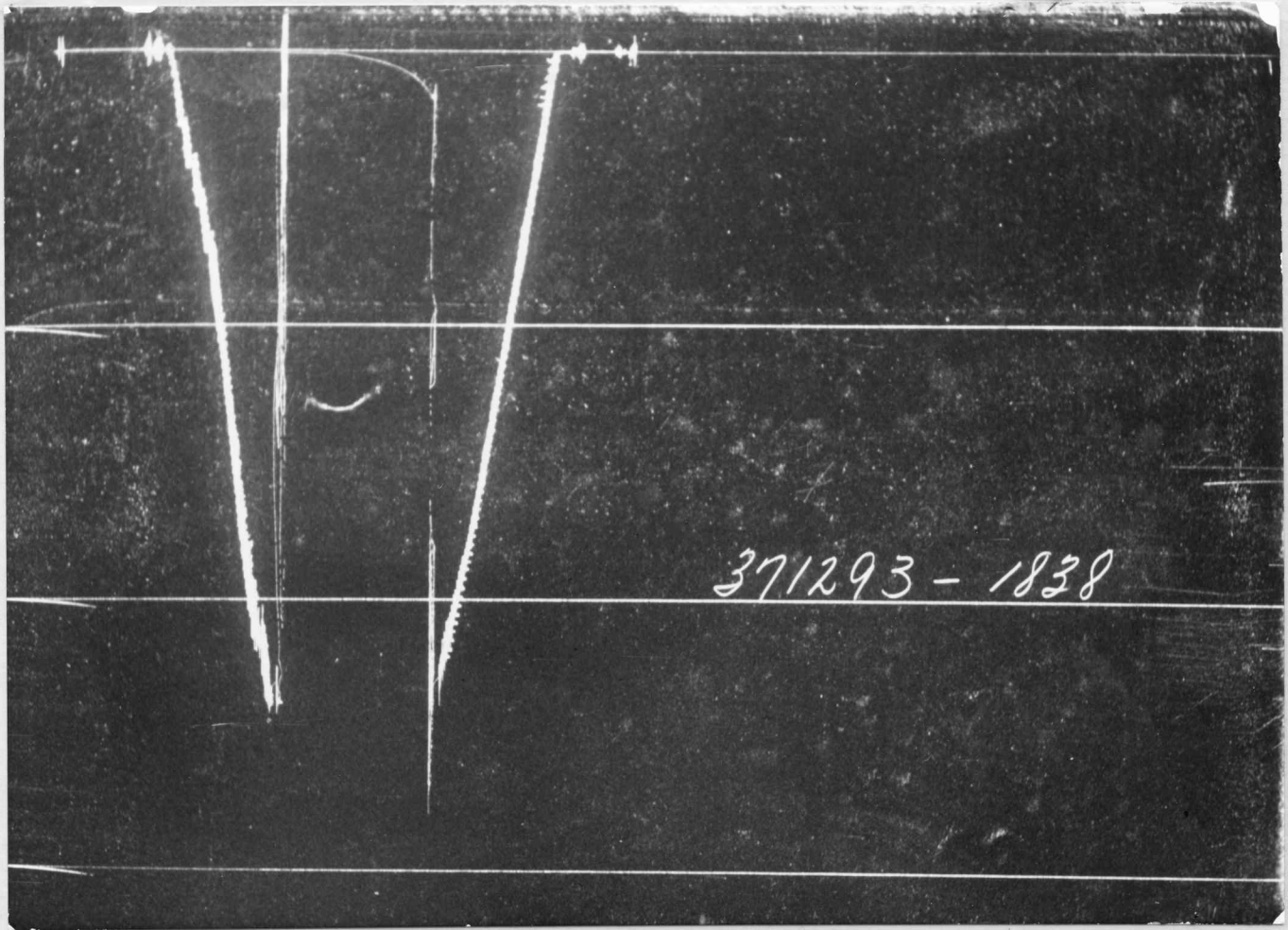
Flow Time	1st Min.	2nd Min.	30	Date	9-5-63	Ticket Number	371293	Legal Location Sec. - Twp. - Rng. C SE SE 1-19-21	Lease Name MAUCH	
Closed In Press. Time	1st Min.	2nd Min.	60	Kind of Job	Open Hole	Halliburton District	Great Bend			
Pressure Readings	Field		Office Corrected	Tester	C.L. Nutting	Witness				
Depth Top Gauge	4325	Ft.	no	Blanked Off	Drilling Contractor Vaughn Drlg Co.					
BT. P.R.D. No.	1838		12	Hour Clock	Elevation	2308' KB	Top Packer			4333'
Initial Hydro Mud Pressure	2346		2300		Total Depth	4352'	Bottom Packer			4338'
Initial Closed in Pres.					Interval Tested	4338-4352'	Formation Tested			Cherokee
Initial Flow Pres.	9		2	10	Casing or Hole Size	7 7/8"	Casing Perfs.			Top Bot.
Final Flow Pres.	-		2	10	Surface Choke	1"	Bottom Choke			3/4"
Final Closed in Pres.	175		179		Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester			I.D. - LENGTH
Final Hydro Mud Pressure	2309		2300		Mud Weight	10	Mud Viscosity	42		
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	110	*F Est. Anchor Size & Length	ID 3.75" X 14' OD 5.00"		
BT. P.R.D. No.				Hour Clock	Depths Mea. From	KB	Depth of Tester Valve	4316 Ft.		
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	Ft.		
Initial Closed in Pres.					Cushion					
Initial Flow Pres.					Recovered	5	Feet of	drlg fluid		
Final Flow Pres.					Recovered		Feet of			
Final Closed in Pres.					Recovered		Feet of			
Final Hydro Mud Pres.					Recovered		Feet of			
Depth Bot. Gauge	4348	Ft.	yes	Blanked Off	Oil A.P.I. Gravity		Water Spec. Gravity			
BT. P.R.D. No.	1839		12	Hour Clock	Gas Gravity		Surface Pressure	psi		
Initial Hydro Mud Pres.	2344		2321		Tool Opened	10:21	A.M. Tool Closed	10:51 A.M.		
Initial Closed in Pres.					Remarks	Open tool at 10:21 AM with a weak blow				
Initial Flow Pres.	37		2	29	dead in 15 mins. Closed at 10:51 AM.					
Final Flow Pres.	-		2	29	Off bottom at 11:51.					
Final Closed in Pres.	202		195							
Final Hydro Mud Pres.	2306		2321							

FORMATION TEST DATA

5

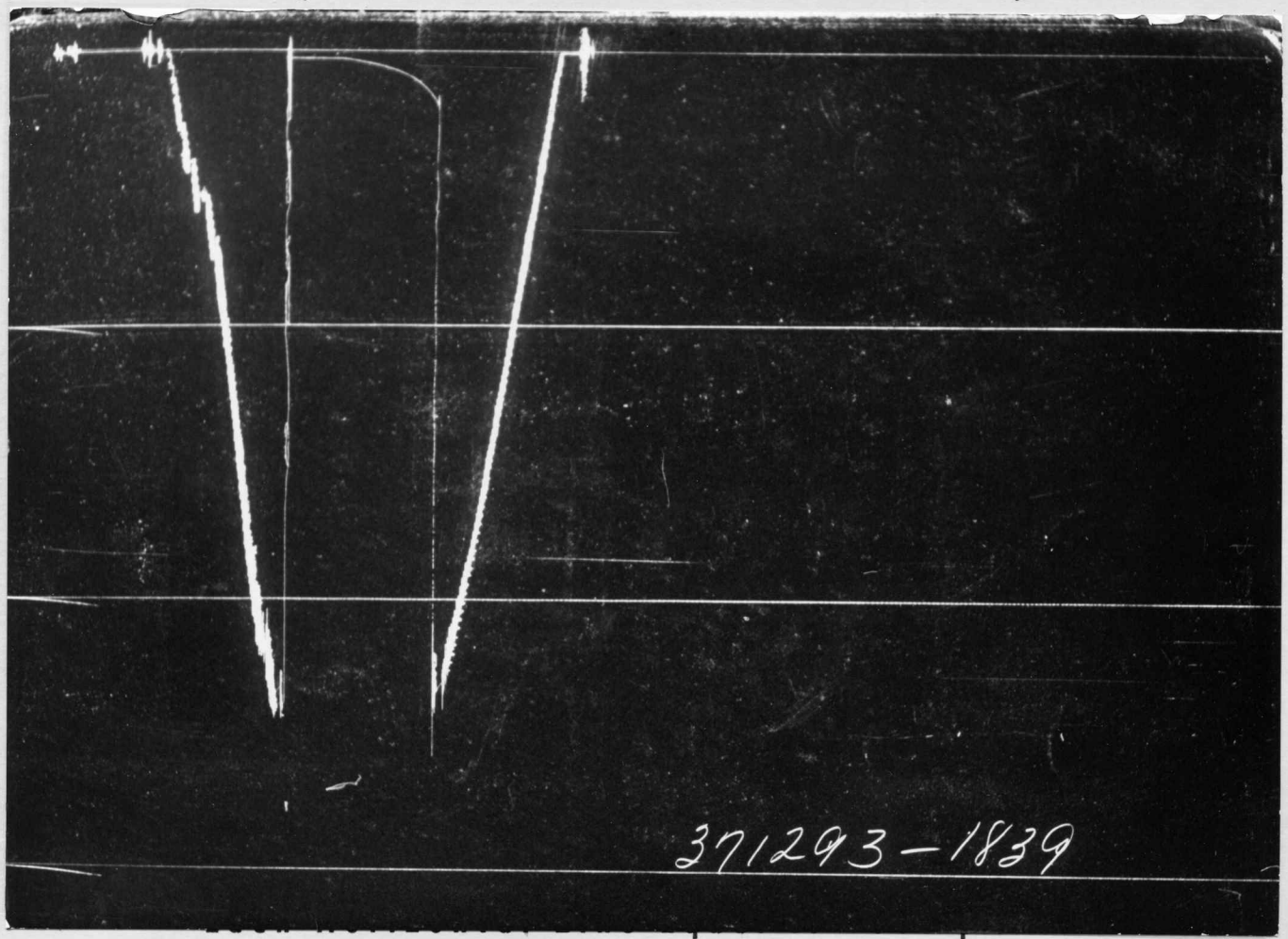
W.M. WILKINSON
Lease Owner/Company Name
WILDGAT
County NESS
State KANSAS
Owner's District

PRESSURE



371293-1838

TIME



371293-1839