

15-007-01498

23-31s-13w

Flow Time	1st 10	Min.	2nd 60	Min.	Date	2-26-62	Ticket Number	325913	S
Closed In Press. Time	1st 45	Min.	2nd 45	Min.	Kind of Job	OPEN HOLE	Halliburton District	PRATT	
Pressure Readings	Field		Office Corrected		Tester	G. L. SHAVERS	Witness	BOB GENCH	
Depth Top Gauge	3571	Ft.	No	Blanked Off	Drilling Contractor	STICKLE DRILLING CO.			
BT. P.R.D. No.	528		12	Hour Clock	Elevation	1570' KB Est.	Top Packer	3562'	
Initial Hydro Mud Pressure	1980		1938		Total Depth	3604'	Bottom Packer	3566'	
Initial Closed in Pres.	1375		1384		Interval Tested	3566-3604'	Formation Tested	Douglas	
Initial Flow Pres.	35	1	48		Casing or Hole Size	7 7/8"	Casing Perfs.	Top	
	190	2	220					Bot.	
Final Flow Pres.	205	1	217		Surface Choke	1"	Bottom Choke	5/8"	
Final Closed in Pres.	1360		1369		Size & Kind Drill Pipe	4 1/2" API - FH	Drill Collars Above Tester	2 1/4" - 180'	I.D. - LENGTH
Final Hydro Mud Pressure	1920		1925		Mud Weight	10	Mud Viscosity	45	
Depth Cen. Gauge	3601	Ft.	yes	Blanked Off	Temperature	176	°F Est.	Anchor Size ID 3.86	
BT. P.R.D. No.	684		12	Hour Clock	°F Actual		& Length	OD 5	X 38'
Initial Hydro Mud Pres.	2020		1959		Depths Mea. From	KB	Depth of Tester Valve	3551'	Ft.
Initial Closed in Pres.	1410		1401		TYPE AMOUNT		Depth Back Pres. Valve		Ft.
Initial Flow Pres.	55	1	71		Cushion	none			
Final Flow Pres.	230	2	243		Recovered	1275	Feet of saltwater		Mea. From Tester Valve
Final Closed in Pres.	1390		1388		Recovered		Feet of		
Final Hydro Mud Pres.	1955		1947		Recovered		Feet of		
Depth Bot. Gauge		Ft.		Blanked Off	Oil A.P.I. Gravity		Water Spec. Gravity	1.125	
BT. P.R.D. No.				Hour Clock	Gas Gravity		Surface Pressure		psi
Initial Hydro Mud Pres.					Tool Opened	7:33 PM	A.M. P.M.	Tool Closed	9:28 PM
Initial Closed in Pres.					Remarks	Opened tool with fair blow for a 10 min.			
Initial Flow Pres.		1				first flow. Closed tool for a 45 min. ICIP. Re-			
Final Flow Pres.		2				opened tool with fair blow, decreasing. Took a			
Final Closed in Pres.		1				45 minute final closed in pressure.			
Final Hydro Mud Pres.		2							

Legal Location: C-23 NE 31 SW 13
 Lease Name: MATHIAMS
 Well No.:
 Test No.:
 Field/Lake City: Barber
 County: Barber
 State: Kansas
 Lease Owner/Company Name: SUNRAY MID-CONTINENT OIL CO.
 Owner's District: KANSAS

FORMATION TEST DATA

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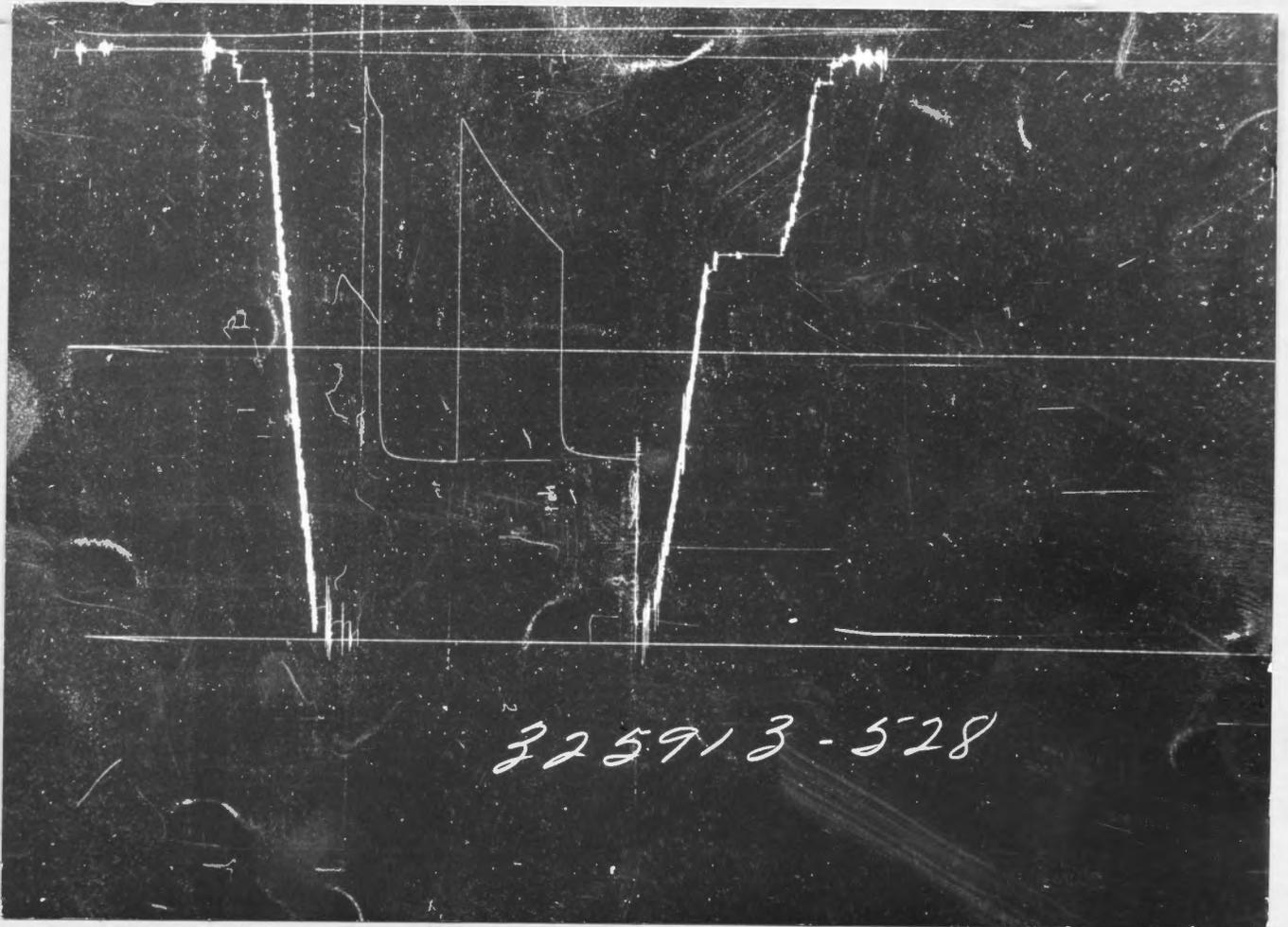
Gauge No. 528		Depth 3571			Clock 12 hour		Ticket No. 325913			
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	
P ₀	.000	48	.000		217	.000	220	.000		664
P ₁	.014	123	.0318		1346	.1025	357	.0308		1331
P ₂	.028	155	.0636		1367	.2050	475	.0616		1347
P ₃	.042	179	.0954		1374	.3075	576	.0924		1353
P ₄	.056	198	.1272		1377	.4100	664	.1232		1357
P ₅	.070	217	.1590		1379			.1540		1360
P ₆			.1908		1381			.1848		1363
P ₇			.2226		1382			.2156		1365
P ₈			.2544		1383			.2464		1366
P ₉			.2862		1384			.2772		1367
P ₁₀			.3180		1384			.3080		1369

Gauge No. 684		Depth 3601			Clock 12 hour					
P ₀	.000	71	.000		234	.000	243	.000		682
P ₁	.013	153	.0325		1359	.1035	376	.0312		1347
P ₂	.026	173	.0650		1383	.2070	474	.0624		1364
P ₃	.039	196	.0975		1390	.3105	593	.0936		1371
P ₄	.052	215	.1300		1394	.4140	682	.1248		1375
P ₅	.065	234	.1625		1395			.1560		1378
P ₆			.1950		1397			.1872		1380
P ₇			.2275		1399			.2184		1382
P ₈			.2600		1400			.2496		1384
P ₉			.2925		1400			.2808		1386
P ₁₀			.3250		1401			.3120		1388
Reading Interval	2		4.5			15		4.5		Minutes

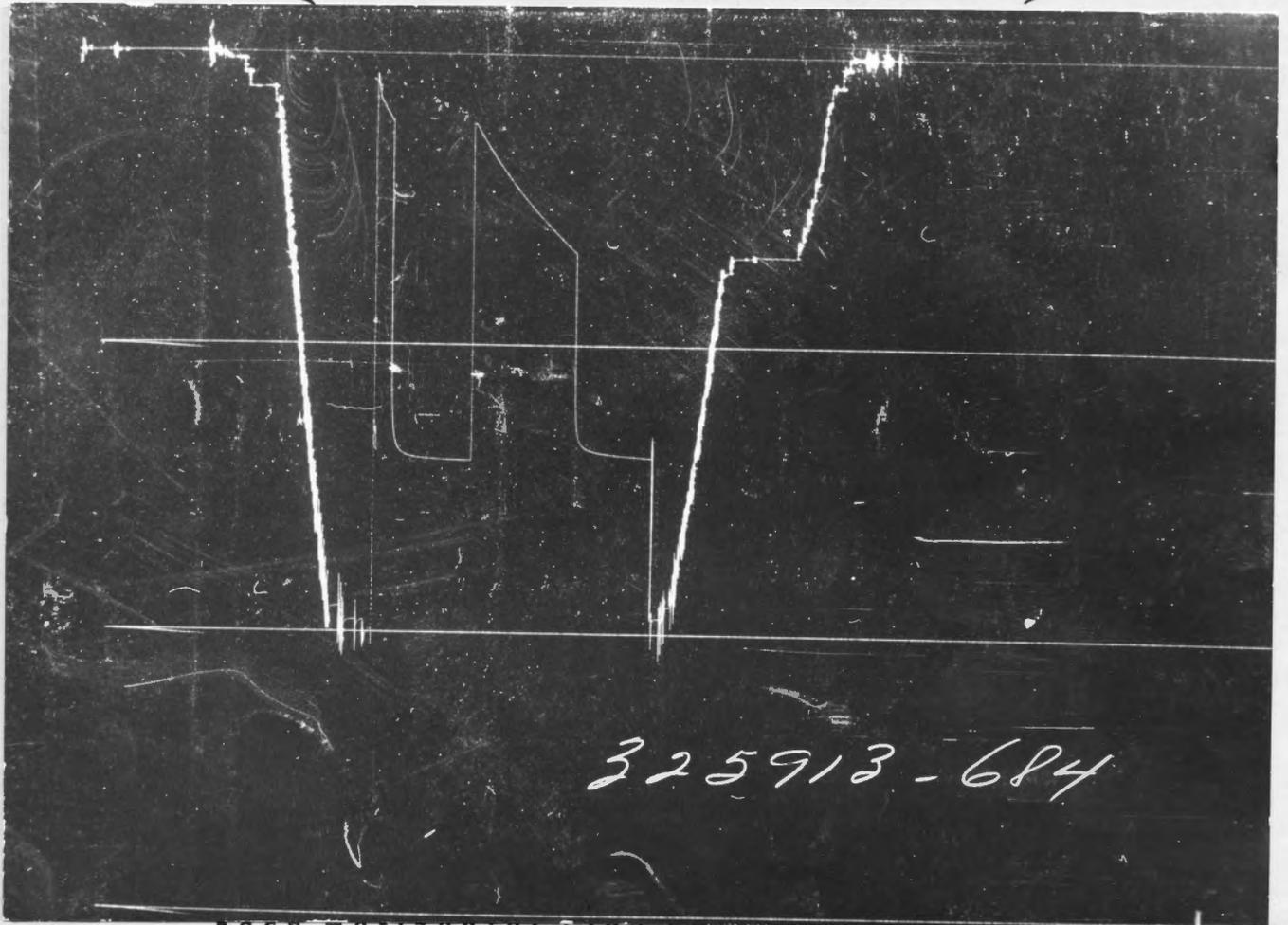
REMARKS:

SPECIAL PRESSURE DATA

↑
PRESSURE
↓



← TIME →



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

Flow Time	1st 10	Min.	2nd 60	Min.	Date	3-2-62	Ticket Number	325680	S	Legal Location Sec. - Typ. - Rng. 23-31S-13W	Lease Name C NE SW					
Closed In Press. Time	1st 45	Min.	2nd 45	Min.	Kind of Job	OPEN HOLE	Halliburton District	PRATT				Well No. 1	Field Area WILDCAT			
Pressure Readings	Field		Office Corrected		Tester	THOMPSON	Witness	CARTER						Test No. 2	County BARBER	
Depth Top Gauge	4179	Ft.	No	Blanked Off	Drilling Contractor	STICKLE DRILLING COMPANY										
BT. P.R.D. No.	738		12	Hour Clock	Elevation	1573'	Top Packer	4190'								Owner's District KANSAS
Initial Hydro Mud Pressure	2215		2210		Total Depth	4210'	Bottom Packer	4195'								
Initial Closed in Pres.	925		917		Interval Tested	4195-4210'	Formation Tested	Miss.								
Initial Flow Pres.	25	1	30		Casing or Hole Size	7 7/8"	Casing Perfs.	Top Bot.								
Final Flow Pres.	55	1	43		Surface Choke	1"	Bottom Choke	5/8"								
Final Closed in Pres.	570		571		Size & Kind Drill Pipe	4 1/2 FH	Drill Collars Above Tester	I.D. - LENGTH 2 1/4" x 188.9'								
Final Hydro Mud Pressure	2195		2183		Mud Weight	9.8	Mud Viscosity	40								
Depth Cen. Gauge		Ft.		Blanked Off	Temperature	111	Anchor Size & Length	ID 2.37" OD 5" X								
BT. P.R.D. No.				Hour Clock	Depths Mea. From	KB	Depth of Tester Valve	4179'	Ft.							
Initial Hydro Mud Pres.					TYPE AMOUNT		Depth Back Pres. Valve	4174'	Ft.							
Initial Closed in Pres.					Cushion	None	Recovered 100 Feet of Gas out & slightly oil specked mud									
Initial Flow Pres.		1			Recovered		Recovered									
Final Flow Pres.		1			Recovered		Recovered									
Final Closed in Pres.		2			Recovered		Recovered									
Final Hydro Mud Pres.					Oil A.P.I. Gravity		Water Spec. Gravity									
Depth Bot. Gauge	4206	Ft.	Yes	Blanked Off	Gas Gravity		Surface Pressure		psi							
BT. P.R.D. No.	272		12	Hour Clock	Tool Opened	10:41	A.M. P.M.	Tool Closed	12:41							
Initial Hydro Mud Pres.	2225		2225		Remarks	Opened with a fair blow, for 10 min.										
Initial Closed in Pres.	925		925		1st flow. Closed for 45 min. ICIP. Reopened											
Initial Flow Pres.	35	1	50		with a fair blow, for 60 min. 2nd flow.											
Final Flow Pres.	65	1	56		Gas to surface in 59 mins. Closed for 45											
Final Closed in Pres.	585		577		min. FCIP.											
Final Hydro Mud Pres.	2205		2201													

FORMATION TEST DATA

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Gauge No.		738		Depth		4179'		Clock		12 hour		Ticket No.		325680	
First Flow Period		Initial Closed In Pressure				Second Flow Period		Final Closed In Pressure							
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.						
P ₀	.000	30	.000		43	.000	29	.000		58					
P ₁	.013	33	.0313		226	.106	47	.0313		149					
P ₂	.026	37	.0626		418	.212	53	.0626		196					
P ₃	.039	39	.0939		500	.318	56	.0939		283					
P ₄	.052	42	.1252		570	.424	58	.1252		326					
P ₅	.065	43	.1565		631			.1565		367					
P ₆			.1878		738			.1878		405					
P ₇			.2191		786			.2191		470					
P ₈			.2504		830			.2504		501					
P ₉			.2817		899			.2817		553					
P ₁₀			.3130		917			.3130		571					

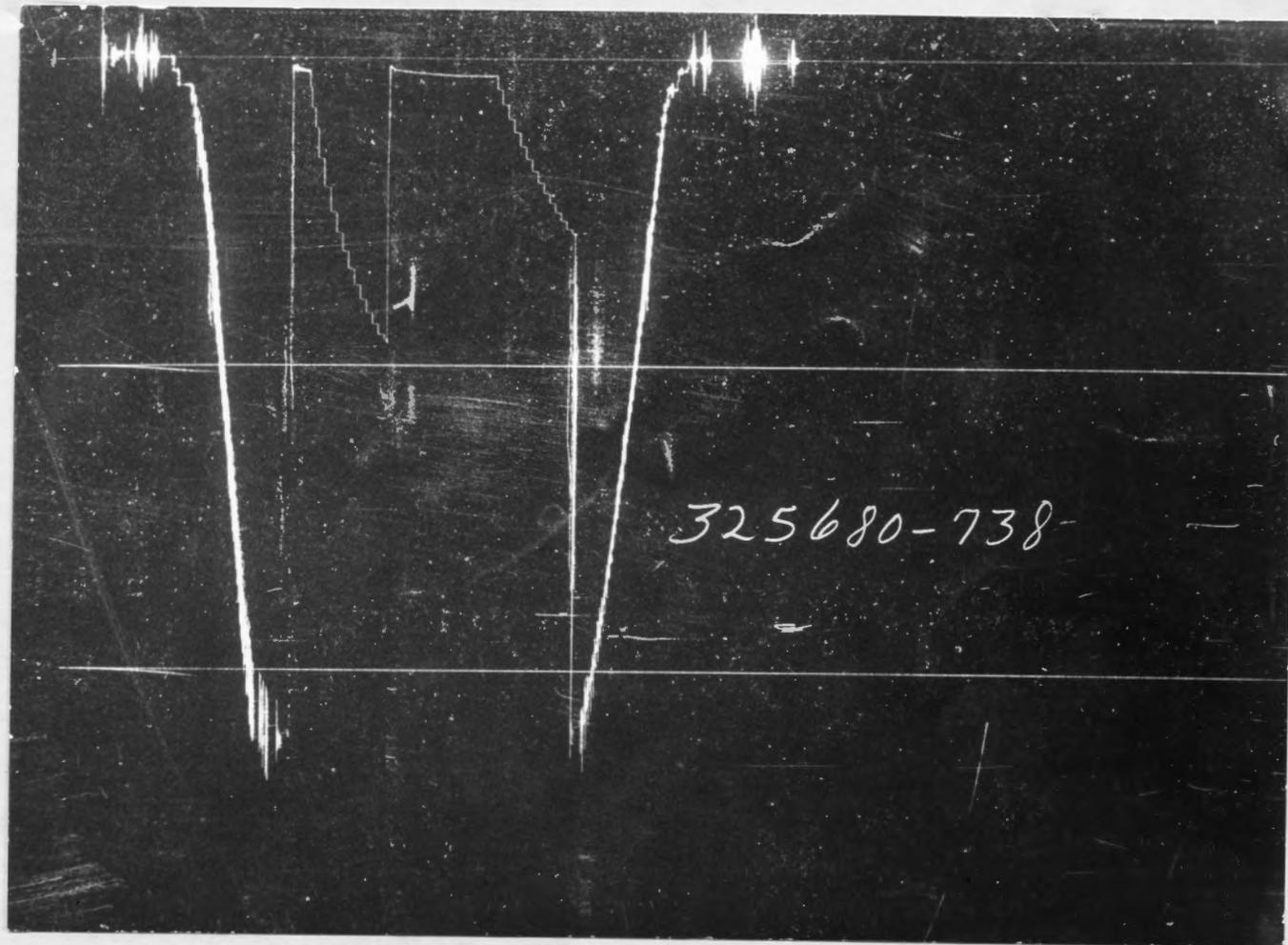
Gauge No.		272		Depth		4206'		Clock		12 hour	
P ₀	.000	50	.000		56	.000	47	.000		66	
P ₁	.012	49	.0309		213	.102	57	.0306		133	
P ₂	.024	50	.0618		351	.204	63	.0612		195	
P ₃	.036	53	.0927		466	.306	65	.0918		255	
P ₄	.048	54	.1236		563	.408	66	.1224		311	
P ₅	.060	56	.1545		644			.1530		363	
P ₆			.1854		716			.1836		410	
P ₇			.2163		778			.2142		456	
P ₈			.2472		833			.2448		501	
P ₉			.2781		883			.2754		540	
P ₁₀			.3090		925			.3060		577	

Reading Interval 2 11.5 15 4.5 Minutes

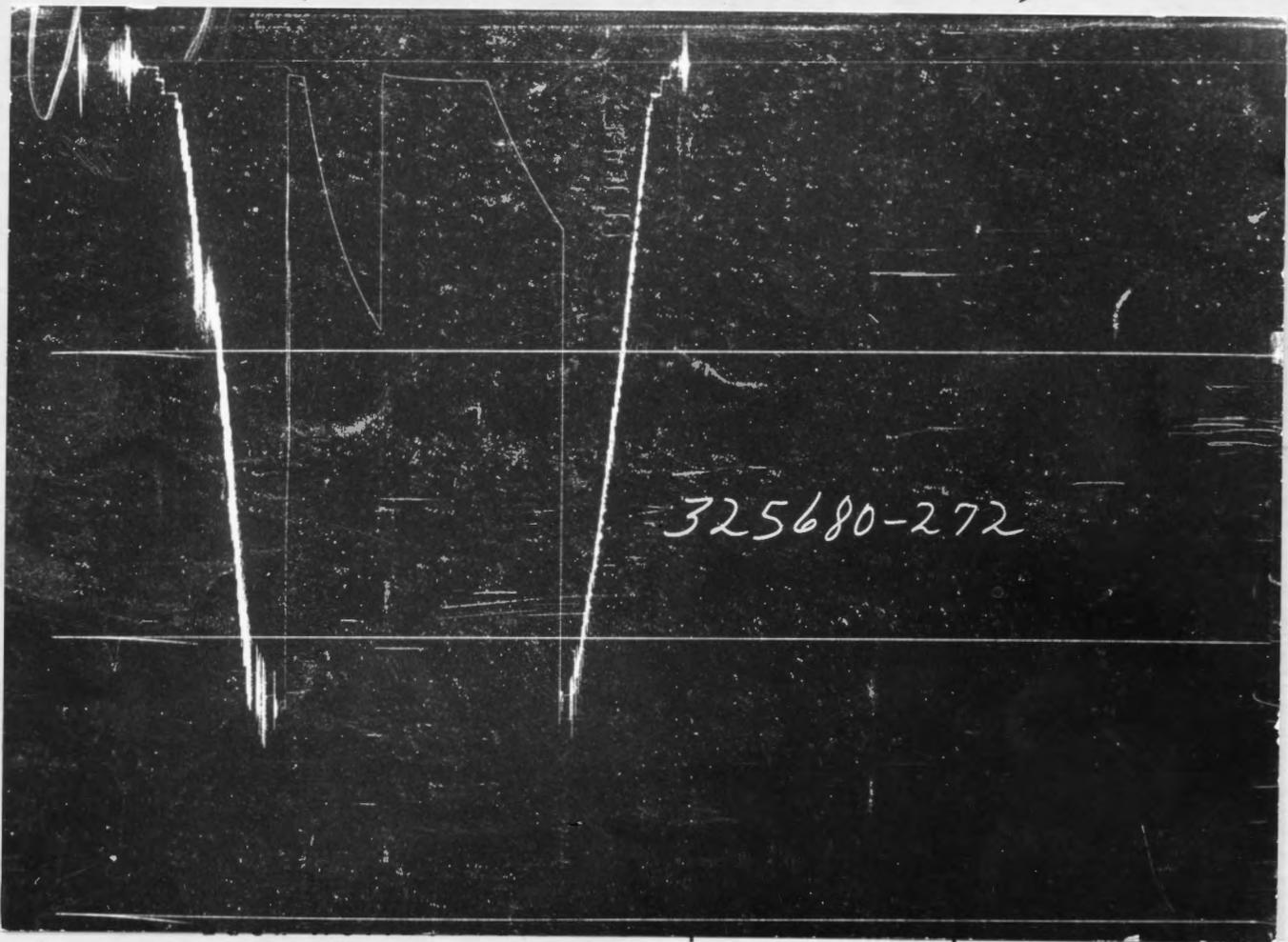
REMARKS: BT 738 indicates stair-stepping & plugging

SPECIAL PRESSURE DATA

PRESSURE



TIME



Flow Time	1st 10	Min.	2nd 60	Min.	Date	3-3-62	Ticket Number	331776
Closed In Pres. Time	1st 45	Min.	2nd 60	Min.	Kind of Job	OPEN HOLE	Halliburton District	PRATT
Pressure Readings	Field		Office Corrected		Tester	BILL THOMPSON	Witness	BOB GENSCH JIM CARTER
Depth Top Gauge	4194	Ft.	No	Blanked Off	Drilling Contractor	STICKLE DRILLING CO.		
BT. P.R.D. No.	738		12	Hour Clock	Elevation	1573' DF	Top Packer	4206'
Initial Hydro Mud Pressure	2195		2196		Total Depth	4220'	Bottom Packer	4211'
Initial Closed in Pres.	245		239		Interval Tested	4211-4220'	Formation Tested	M ₁ SS
Initial Flow Pres.	15	1	15		Casing or Hole Size	7 3/8"	Casing Perfs.	Top
	0	2	18					Bot.
Final Flow Pres.	35	1	15		Surface Choke	1"	Bottom Choke	5/8"
Final Closed in Pres.	295		287		Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	I.D. - LENGTH 188.90 2 1/4"
Final Hydro Mud Pressure	2175		2177		Mud Weight	9.8	Mud Viscosity	40
Depth Cen. Gauge	4216	Ft.	yes	Blanked Off	Temperature	112	Anchor Size & Length	ID 2.37 OD 5" X
BT. P.R.D. No.	272		12	Hour Clock	Depths Mea. From	KB	Depth of Tester Valve	4178' Ft.
Initial Hydro Mud Pres.	2225		2217		TYPE AMOUNT		Depth Back Pres. Valve	4173' Ft.
Initial Closed in Pres.	255		253		Cushion	none		
Initial Flow Pres.	35	1	32		Recovered	60	Feet of	mud
Final Flow Pres.	45	1	32		Recovered		Feet of	
Final Closed in Pres.	305		301		Recovered		Feet of	
Final Hydro Mud Pres.	2205		2191		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	2:29 AM	A.M. P.M.	Tool Closed 3:29 AM A.M. P.M.
Initial Hydro Mud Pres.					Remarks	Tool opened at 1:34 with weak blow for a		
Initial Closed in Pres.						10 minute first flow. Closed tool at 1:44 for a		
Initial Flow Pres.		1				45 minute ICIP. Reopened tool with weak blow for		
Final Flow Pres.		1				a 60 min. final flow. Took a 60 min. final closed		
Final Closed in Pres.		2				in pressure. NO SPECIAL READING ADAPTABLE		
Final Hydro Mud Pres.								

Legal Location Sec. - Twp. - Rng. G 23 NE 31S SW 13W

Lease Name MATHEWS

Well No. 1

Test No. 3

Field Area Wildcat

County BARBER

State KANSAS

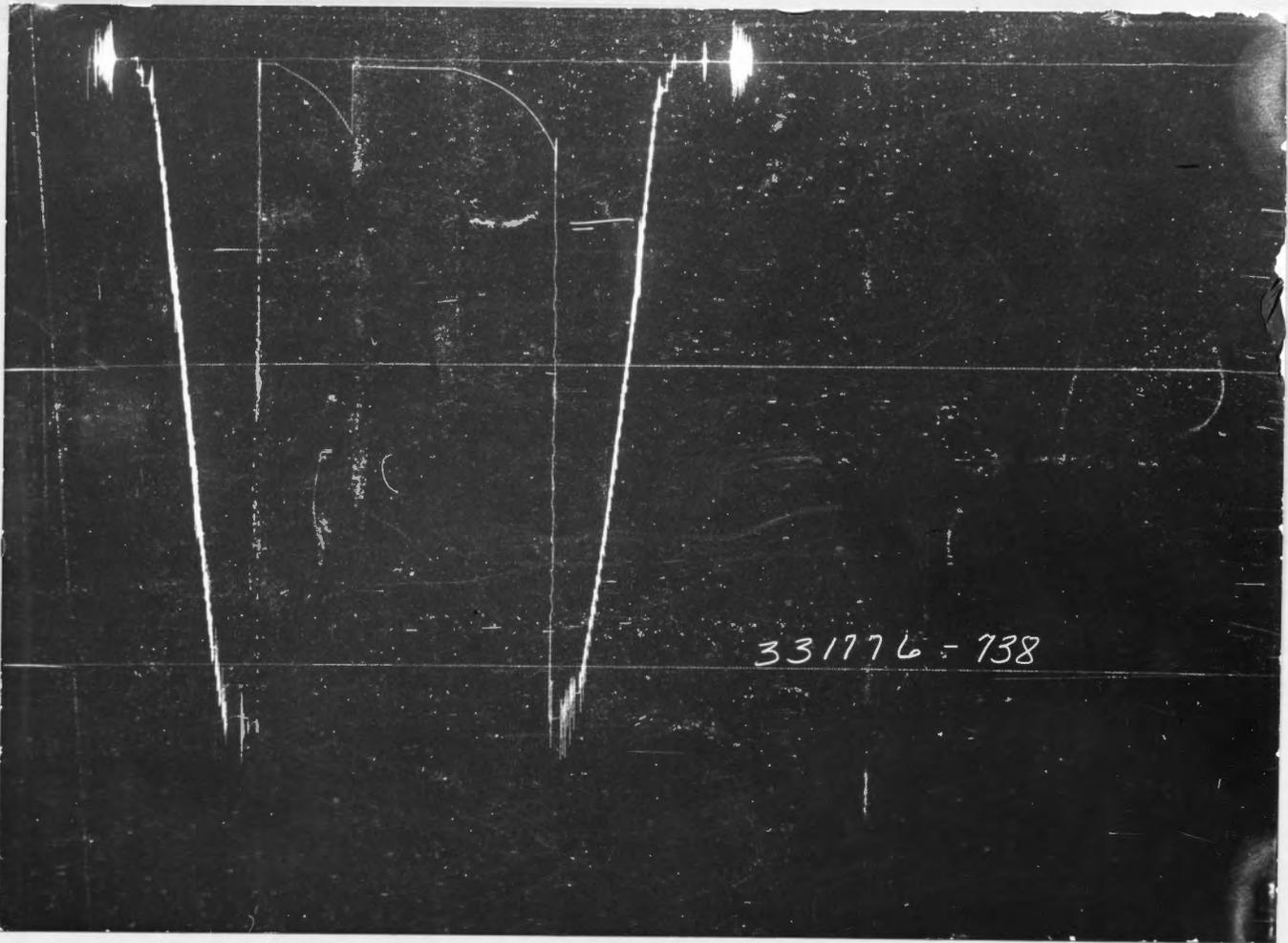
Lease Owner/Company Name SIMRAY M.D.-CONTINENT OIL COMPANY

Owner's District KANSAS

FORMATION TEST DATA

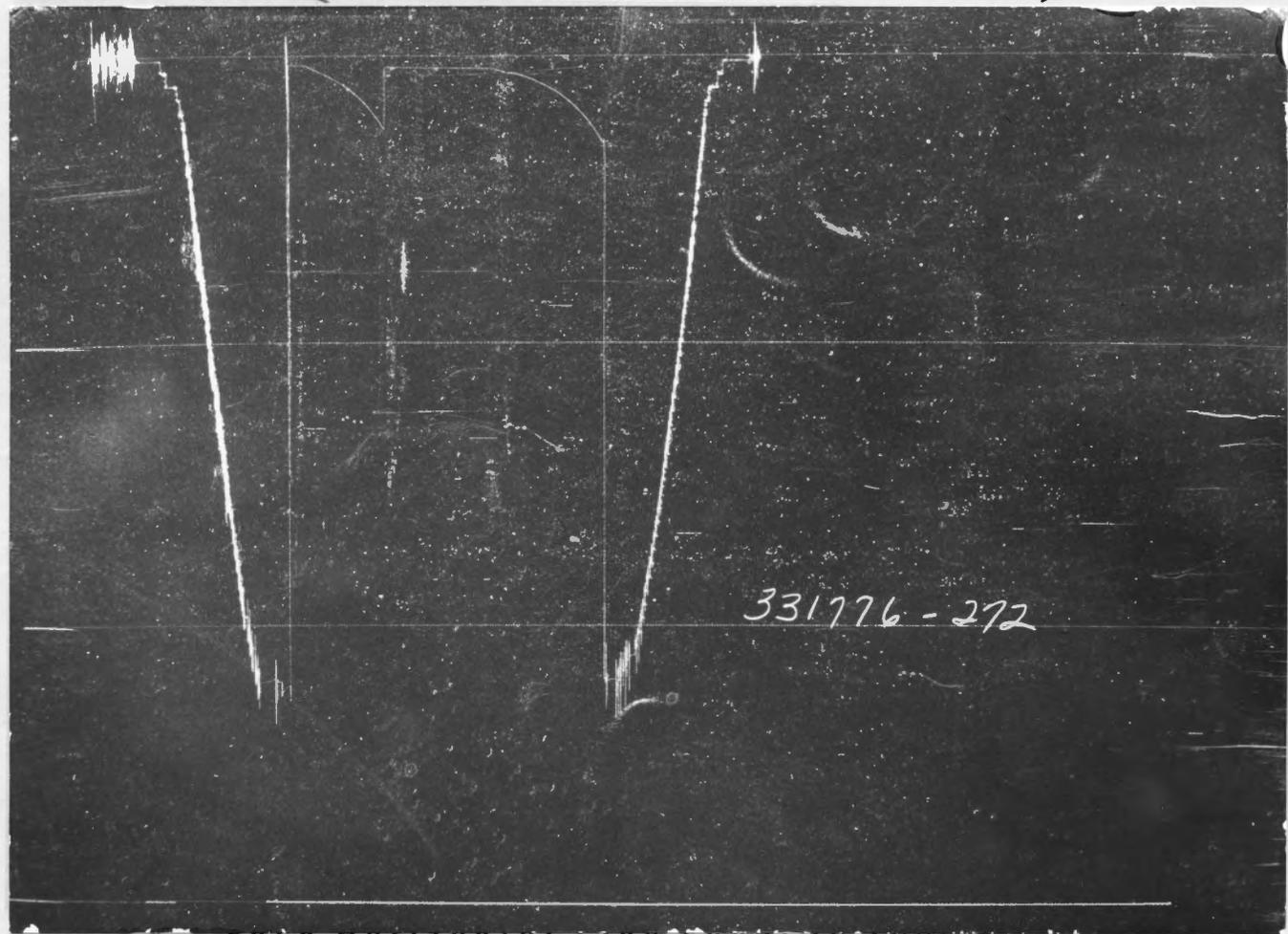
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↑
PRESSURE
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← TIME →

↑
PRESSURE
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Each horizontal line equals 1000 p.s.i.