

Flow Time	1st 30	Min.	2nd 45	Min.	Date	5-23-66	Ticket Number	412131 - S
Closed In Press. Time	1st 45	Min.	2nd 45	Min.	Kind of Job	OPEN HOLE	Halliburton District	GREAT BEND
Pressure Readings	Field		Office Corrected		Tester	MR. WALKER	Witness	MR. LOUNSBURY
Depth Top Gauge	Ft.		Blanked Off		Drilling Contractor	OMEGA DRILLING INCORPORATED	IC	
BT. P.R.D. No.			Hour Clock		Elevation	2015' EST. K.B.	Top Packer	-
Initial Hydro Mud Pressure					Total Depth	3735'	Bottom Packer	3729'
Initial Closed in Pres.					Interval Tested	3729'-3735'	Formation Tested	ARBUCKLE
Initial Flow Pres.	1				Casing or Hole Size	7 7/8"	Casing Perfs. {	Top
	2							Bot.
Final Flow Pres.	1				Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.	2				Size & Kind Drill Pipe	4 1/2" F.H.	Drill Collars Above Tester	I.D. - LENGTH
Final Hydro Mud Pressure					Mud Weight	10.2	Mud Viscosity	40
Depth Cen. Gauge	Ft.		Blanked Off		Temperature	105	Anchor Size ID	2 3/8"
BT. P.R.D. No.			Hour Clock		Depth Mea. From	KELLY BUSHINGS	& Length OD	4 1/2" * 6'
Initial Hydro Mud Pres.					TYPE	AMOUNT	Depth Back Pres. Valve	Ft.
Initial Closed in Pres.					Cushion	-		
Initial Flow Pres.	1				Recovered	15	Feet of	Drilling mud
Final Flow Pres.	2				Recovered		Feet of	
Final Closed in Pres.	1				Recovered		Feet of	
Final Hydro Mud Pres.	2				Recovered		Feet of	
Initial Hydro Mud Pres.					Oil A.P.I. Gravity	-	Water Spec. Gravity	-
Initial Closed in Pres.					Gas Gravity	-	Surface Pressure	psi
Initial Flow Pres.	3731		Ft. NO		Blanked Off			
Final Flow Pres.					Tool Opened	1:10	A.M. Tool Closed	3:35
Final Closed in Pres.					Hour Clock	12	P.M.	
Final Hydro Mud Pres.	2040		2014		Remarks	Opened tool for 30 minute 1st flow with a		
Initial Flow Pres.	331		328		weak blow increasing to good. Closed tool for			
Final Flow Pres.	9		1		45 minute initial closed in pressure. Reopened			
Initial Flow Pres.	9		2		tool for 45 minute 2nd flow with a good blow			
Final Flow Pres.	17		1		throughout test. Closed tool for 45 minute			
Initial Flow Pres.	17		2		final closed in pressure.			
Final Flow Pres.	322		328					
Final Hydro Mud Pres.	2013		2001					

Legal Location Sec. 22 - 19 - 16
 Lease Name HIDA DIRKS
 Well No. 1
 Test No. 1
 Field Area IARNED
 County RUSH
 State KANSAS
 Omega Drilling Incorporated
 Lease Owner/Company Name
 Owner's District

FORMATION TEST DATA
SPECIAL PRESSURE DATA

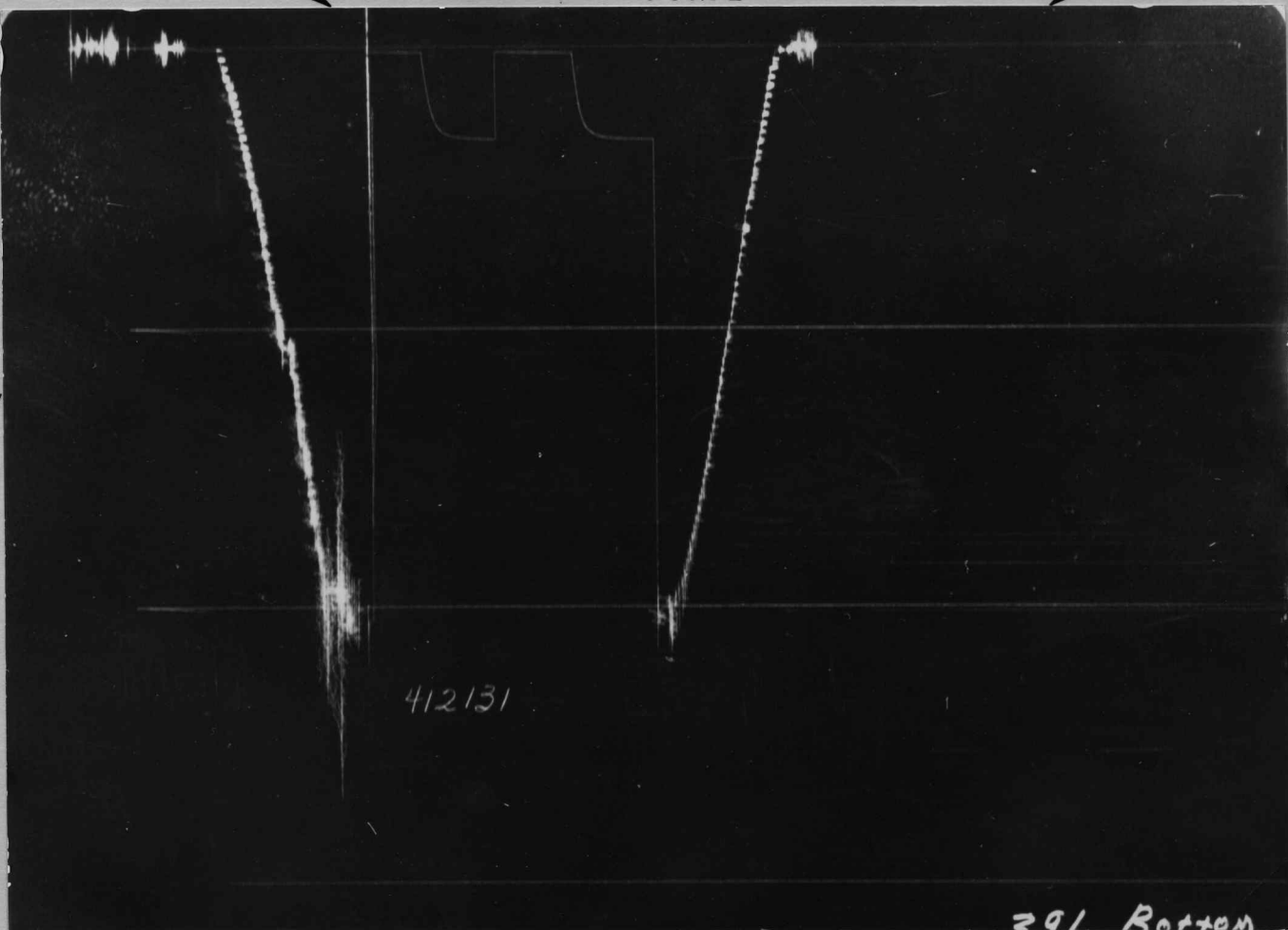
Gauge No.		Depth			Clock		Ticket No. 412131		
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.
P ₀									
P ₁									
P ₂									
P ₃									
P ₄									
P ₅									
P ₆									
P ₇									
P ₈									
P ₉									
P ₁₀									

Gauge No.	396		Depth	3731'		Clock	12 hour			
P ₀	.000	18	.000		19	.000	19	.000		21
P ₁	.220	19	.0302		195	.316	21	.0331		233
P ₂			.0604		277			.0662		295
P ₃			.0906		307			.0993		314
P ₄			.1208		317			.1324		321
P ₅			.1510		321			.1655		324
P ₆			.1812		324			.1986		326
P ₇			.2114		325			.2317		327
P ₈			.2416		326			.2648		328
P ₉			.2718		327			.2979		328
P ₁₀			.3020		328			.3310		328
Reading Interval			4.5						4.5 Minutes	
REMARKS:										

SPECIAL PRESSURE DATA

PRESSURE

TIME



412131

Each Horizontal Line Equal to 1000 p.s.i. 201 Rotten

Flow Time	1st 30 Min.	2nd 30 Min.	Date	5-25-66	Ticket Number	412132 S
Closed In Press. Time	1st 45 Min.	2nd 15 Min.	Kind of Job	Open Hole	Halliburton District	Great Bend
Pressure Readings	Field	Office Corrected	Tester	Jack Walker	Witness	Launsbury
Depth Top Gauge	Ft.	Blanked Off	Drilling Contractor	Omega Drilling Incorporated		
BT. P.R.D. No.		Hour Clock	Elevation	2015' KB	Top Packer	
Initial Hydro Mud Pressure			Total Depth	3755'	Bottom Packer	3736'
Initial Closed in Pres.			Interval Tested	3736-3755'	Formation Tested	Arbuckle
Initial Flow Pres.	1		Casing or Hole Size	7 7/8"	Casing Perfs.	Top
Final Flow Pres.	2		Surface Choke	1"	Bottom Choke	3/4"
Final Closed in Pres.	1		Size & Kind Drill Pipe	4 1/2" FH	Drill Collars Above Tester	I.D. - LENGTH
Final Hydro Mud Pressure			Mud Weight	10.2	Mud Viscosity	42
Depth Cen. Gauge	Ft.	Blanked Off	Temperature	105	Anchor Size & Length	ID 2 3/8" OD 4 1/2" X 19'
BT. P.R.D. No.		Hour Clock	Depths Mea. From	Kelly bushing	Depth of Tester Valve	3723 Ft.
Initial Hydro Mud Pres.			Cushion		Depth Back Pres. Valve	Ft.
Initial Closed in Pres.			Recovered	45 Feet of	drilling mud	Mea. From Tester Valve
Initial Flow Pres.	1		Recovered	Feet of		
Final Flow Pres.	2		Recovered	Feet of		
Final Closed in Pres.	1		Recovered	Feet of		
Final Hydro Mud Pres.			Recovered	Feet of		
Depth Bot. Gauge	3754 Ft.	Blanked Off yes	Oil A.P.I. Gravity		Water Spec. Gravity	
BT. P.R.D. No.	396	Hour Clock 12	Gas Gravity		Surface Pressure	psi
Initial Hydro Mud Pres.	2040	1996	Tool Opened		Tool Closed	A.M. P.M. A.M. P.M.
Initial Closed in Pres.	340	337	Remarks	Tool open at 5:20 with a good blow.		
Initial Flow Pres.	17	1 38		Closed at 5:50. Reopen tool at 6:35 with a good blow, gas to surface in 45 mins.		
Final Flow Pres.	26	2 42				
Final Closed in Pres.	35	1 44		Closed at 7:05. Off bottom at 7:20		
Final Hydro Mud Pres.	44	2 51				
Final Closed in Pres.	322	324		Dakota started flowing.		
Final Hydro Mud Pres.	1996	1964				

Legal Location Sec. Twp. - Rng. 22-19S-16W
 Lease Name
 Well No. 1
 Test No. 2
 Field Area
 N. Larned
 County
 Rush
 State
 Kansas
 Owner's District
 KANSAS

HILDA DIRKS
 OMEGA DRILLING INCORPORATED
 Lease Owner/Company Name

FORMATION TEST DATA

SPECIAL PRESSURE DATA

Gauge No.		Depth			Clock		hour			Ticket No. 412132		
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												
P ₁												
P ₂												
P ₃												
P ₄												
P ₅												
P ₆												
P ₇												
P ₈												
P ₉												
P ₁₀												

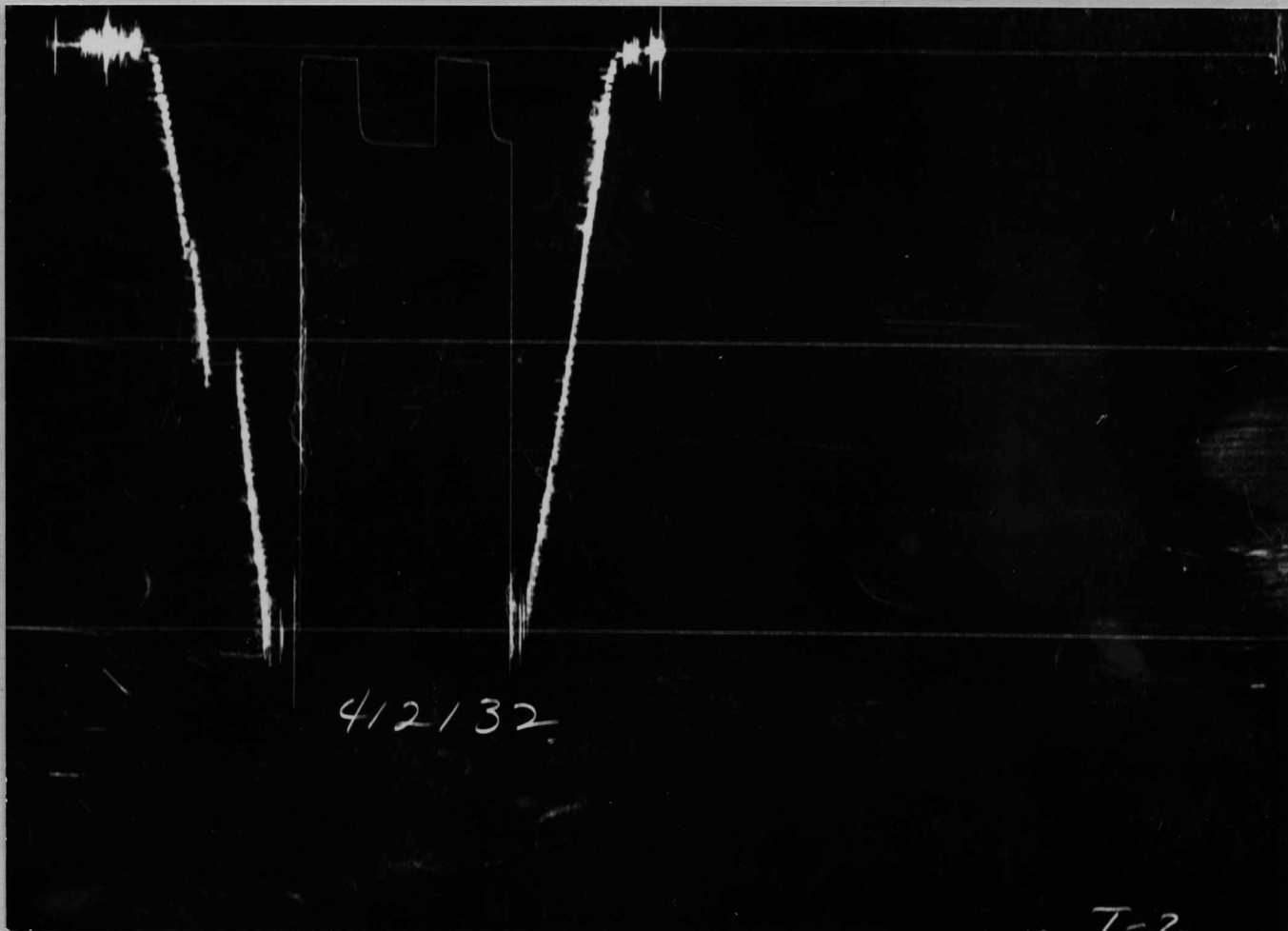
Gauge No.	396		Depth		3754'		Clock		12		hour	
P ₀	.000	38	.000		44	.000	42	.000		51		
P ₁	.043	34	.0349		315	.041	37	.0098		206		
P ₂	.086	37	.0698		328	.082	42	.0196		274		
P ₃	.129	39	.1047		333	.123	44	.0294		298		
P ₄	.172	42	.1396		334	.164	48	.0392		308		
P ₅	.215	44	.1745		335	.205	51	.0490		314		
P ₆			.2094		336			.0588		317		
P ₇			.2443		337			.0686		320		
P ₈			.2792		337			.0784		321		
P ₉			.3140		337			.0882		323		
P ₁₀			-		-			.0980		324		
Reading Interval	6		5		6		1.5		Minutes			

REMARKS:

SPECIAL PRESSURE DATA

PRESSURE

TIME



412132

Each horizontal line equal to 1000 psi. T-2

Flow Time	1st Min.	2nd Min.	Date	Ticket Number	Legal Location
25		40	6-3-66	381340 - S	Sec. - Twp. - Rng. SEC. 22 - 19 - 16
Closed in Pres. Time	1st Min.	2nd Min.	Kind of Job	Halliburton District	Well No.
30		30	STRADDLE OPEN HOLE	GREAT BEND	1
Pressure Readings	Field	Office Corrected	Tester	Witness	Test No.
			MR. MOORE	MR. STEVENS	3
Depth Top Gauge	3744 Ft.	Blanked Off NO	Drilling Contractor	OMEGA DRILLING INCORPORATED	Field Area
				IC	SW/SW/NE
BT. P.R.D. No.	566	12 Hour Clock	Elevation	2017' K.B.	Top Packer
					3756'
Initial Hydro Mud Pressure	2084	1998	Total Depth	3825'	Bottom Packer
					3770'
Initial Closed in Pres.	496	552	Interval Tested	3756'-3770'	Formation Tested
					ARBUCKLE
Initial Flow Pres.	-	1 30	Casing or Hole Size	7 7/8"	Casing Perfs.
	29	2 53			Top - Bot. -
Final Flow Pres.	-	1 63	Surface Choke	1"	Bottom Choke
	38	2 35			3/4"
Final Closed in Pres.	439	432	Size & Kind Drill Pipe	4 1/2" F.H.	Drill Collars Above Tester
					I.D. - LENGTH
Final Hydro Mud Pressure	2084	1998	Mud Weight	10.4	Mud Viscosity
					1050' FLEX WT 52
Depth Cen. Gauge	3765 Ft.	Blanked Off YES	Temperature	100	Anchor Size ID
					2 1/4"
BT. P.R.D. No.	239	12 Hour Clock	Depths Mea. From	KELLY BUSHINGS	Depth of Tester Valve
					3734' Ft.
Initial Hydro Mud Pres.	2007	2011	Cushion	-	Depth Back Pres. Valve
					- Ft.
Initial Closed in Pres.	564	565	Recovered	25	Med. From Tester Valve
					Feet of Drilling mud
Initial Flow Pres.	-	1 127	Recovered		Country
	27	2 75			Feet of
Final Flow Pres.	-	1 73	Recovered		County
	36	2 45			Feet of
Final Closed in Pres.	437	444	Recovered		State
					Feet of
Final Hydro Mud Pres.	2007	2011	Oil A.P.I. Gravity	-	Water Spec. Gravity
					-
Depth Bot. Gauge	3821 Ft.	Blanked Off YES	Gas Gravity	-	Surface Pressure
					- psi
BT. P.R.D. No.	1463	12 Hour Clock	Tool Opened	6:17	Tool Closed
					8:22
Initial Hydro Mud Pres.	-	2022	Remarks	Opened tool for 25 minute 1st flow with a very	
Initial Closed in Pres.				weak blow; flushed tool. Closed tool for 30 minute	
Initial Flow Pres.	1			initial closed in pressure. Reopened tool for 40	
Final Flow Pres.	1			minute 2nd flow with a very weak blow to no blow.	
Final Closed in Pres.	-	1190		Flushed tool. Closed tool for 30 minute final	
Final Hydro Mud Pres.	-	2022		closed in pressure.	

FORMATION TEST DATA

SPECIAL PRESSURE DATA

DIRKS
 Lease Name
 Well No. 1
 Test No. 3
 OMEGA DRILLING INCORPORATED
 Lease Owner/Company Name
 WILD CAT
 County
 RUSH
 State
 KANSAS
 Owner's District

5

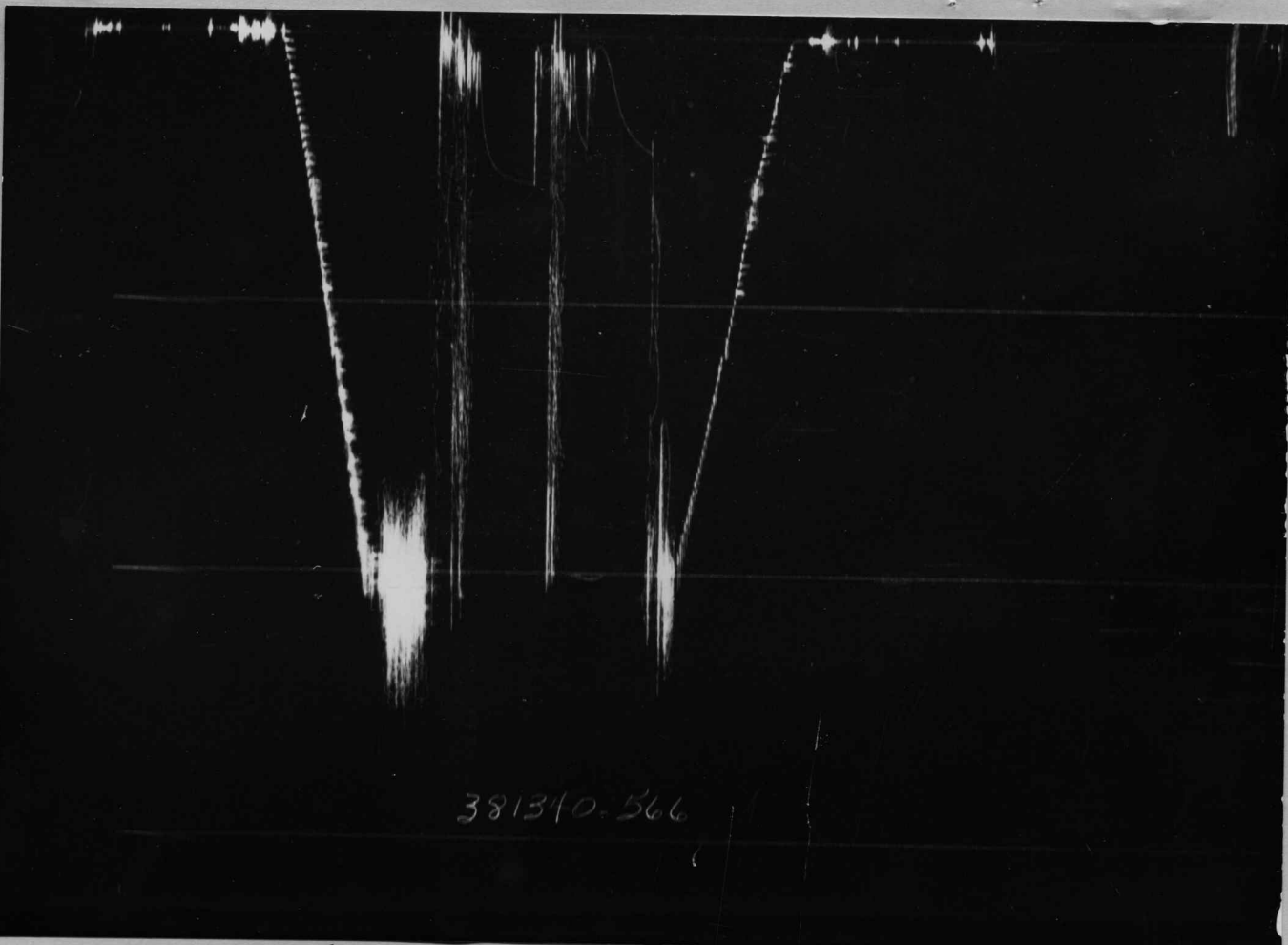
Gauge No. 566		Depth 3744'			Clock 12 hour		Ticket No. 381340			
First Flow Period		Initial Closed In Pressure			Second Flow Period		Final Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.
P ₀	.000	30	.000		63	.000	53	.000		35
P ₁	.152	63	.0229		329	.263	35	.0203		76
P ₂	Plugging		.0458		439	Plugging		.0406		143
P ₃			.0687		485			.0609		227
P ₄			.0916		509			.0812		294
P ₅			.1145		524			.1015		336
P ₆			.1374		533			.1218		364
P ₇			.1603		540			.1421		387
P ₈			.1832		546			.1624		405
P ₉			.2061		549			.1827		420
P ₁₀			.2290		552			.2030		432

Gauge No. 239		Depth 3765'			Clock 12 hour						
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\phi}{\phi}$	PSIG Temp. Corr.	
P ₀	.000		.000		73	.000	75	.000		45	
P ₁	.159		.0238		333	.273	45	.021		87	
P ₂	Plugging		.0476		453			.042		158	
P ₃			.0714		498			.063		244	
P ₄			.0952		522			.084		308	
P ₅			.1190		536			.105		349	
P ₆			.1428		546			.126		378	
P ₇			.1666		553			.147		401	
P ₈			.1904		559			.168		418	
P ₉			.2142		562			.189		433	
P ₁₀			.2380		565			.210		444	
Reading Interval			3						3 Minutes		

REMARKS:

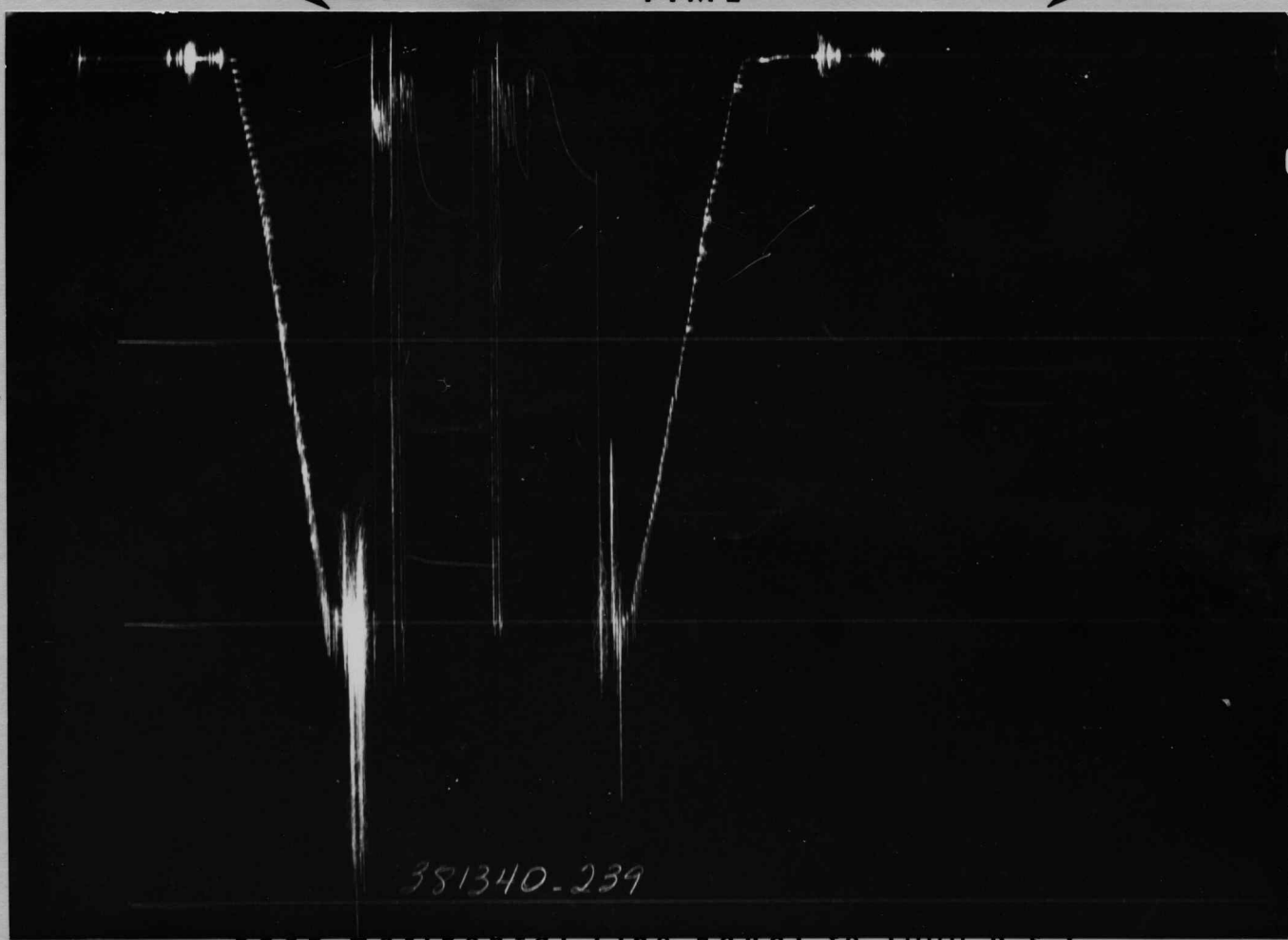
SPECIAL PRESSURE DATA

↑
PRESSURE



← TIME →

↓



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

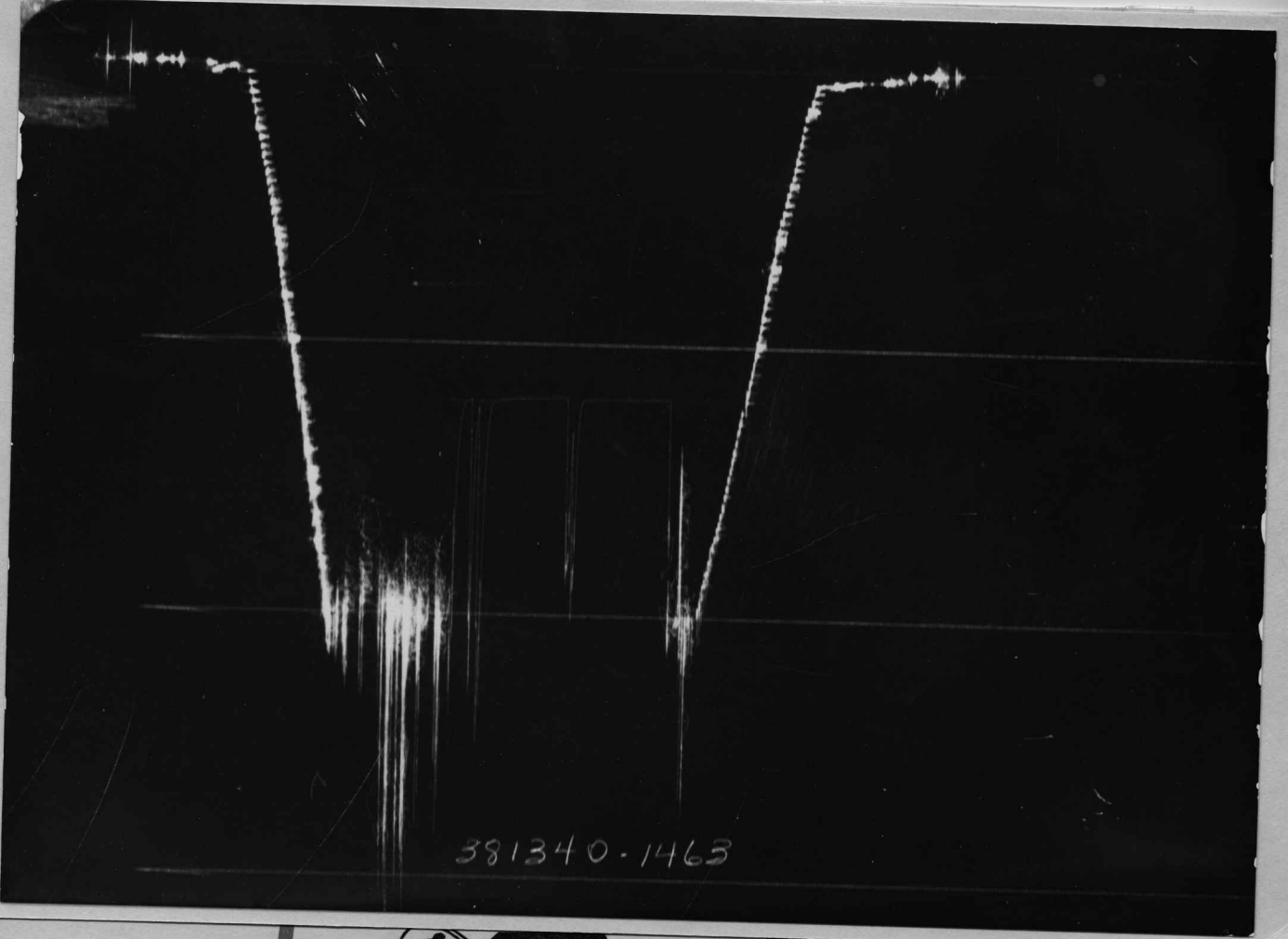
DIRKS
Lease Name

1
Well No.

3
Test No.

OMEGA DRILLING INCORPORATED
Lease Owner/Company Name

KANSAS
Owner's District



381340-1463



Your.....

Formation Te