



Date 6-4-59  
 Ticket No. 210765  
 HOWCO DISTRICT El Dorado, Kansas  
 Kind of Job D.S.T.

NEILSON  
 LEASE NAME  
 C-NE NE NW  
 SEC. 3-26-1E  
 WELL NO. 5  
 TEST NO. 2  
 J. P. GATY  
 LEASE OWNER  
 BUTLER  
 STATE KANSAS  
 MICHITA, KANSAS  
 OWNERS DISTRICT  
 3-26-4E

Initial Closed In Time 20 Minutes  
 Tool Open Flow Period 3 - 60 Minutes  
 Final Closed In Time 20 Minutes

Depth Top Gauge 2415 Ft. Blanked Off no  
 BT. P.R.D. No 537 12 Hr. Clock  
 Pressure Readings Field Office Corrected  
 Initial Hydro Mud Pressure 1237 1240  
 Initial Closed in Pres. 775 765  
 Initial Flow Pres. 15 19  
 Final Flow Pres. 20 14-21  
 Final Closed in Pres. 300 308  
 Final Hydro Mud Pressure 1235 1214

Depth Center Gauge Ft. Blanked Off  
 BT. P.R.D. No Hr. Clock  
 Pressure Readings Field Office Corrected  
 Initial Hydro Mud Pressure  
 Initial Closed in Pres.  
 Initial Flow Pres.  
 Final Flow Pres.  
 Final Closed in Pres.  
 Final Hydro Mud Pressure

Depth Bottom Gauge 2466 Ft. Blanked Off yes  
 BT. P.R.D. No 1982 12 Hr. Clock  
 Pressure Readings Field Office Corrected  
 Initial Hydro Mud Pressure  
 Initial Closed in Pres.  
 Initial Flow Pres.  
 Final Flow Pres.  
 Final Closed in Pres.  
 Final Hydro Mud Pressure

CONTRACTOR Harold Martin Drilling, Inc.

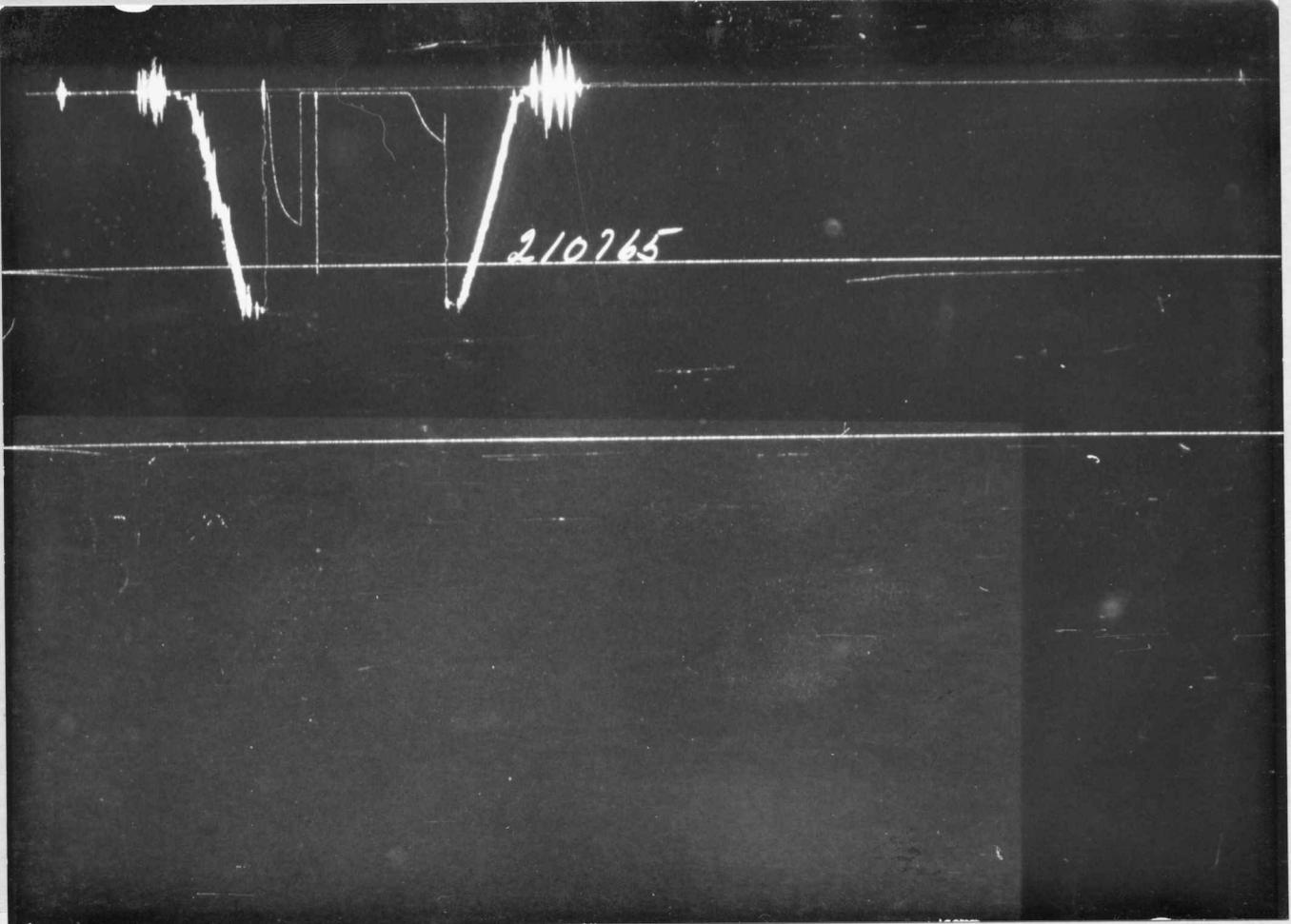
HOLE & TOOL DATA  
 Elevation 1311' K.B. Top Packer Depth 2429'  
 Total Depth 2470' Bottom Packer Depth 2449'  
 Casing or Hole Size 7 7/8" Size & Type Wall Packer 6 3/4" ESWP  
 Liner or Rathole Size - Size Bottom Choke 3/4"  
 Casing Perforations Top Bottom Size Surface Choke 1"  
 Interval Tested 2421-2449' ID & Length Air Chamber -  
 Formation Tested - ID & Length Drill Collars 87' x 2 1/4"  
 Est. Gauge Depth Temp. 84 F° Size Drill Pipe 4 1/2" F.H.

MUD DATA  
 Weight - Viscosity -  
 All depths measured from Kelly Bushing No. Folders Reproduced 5

REMARKS: Tool opened for 3 minute first flow.  
 Rotated tool for a 20 Minute Initial closed in pressure. Tool opened with a bubble, flushed in 5 minutes then died.

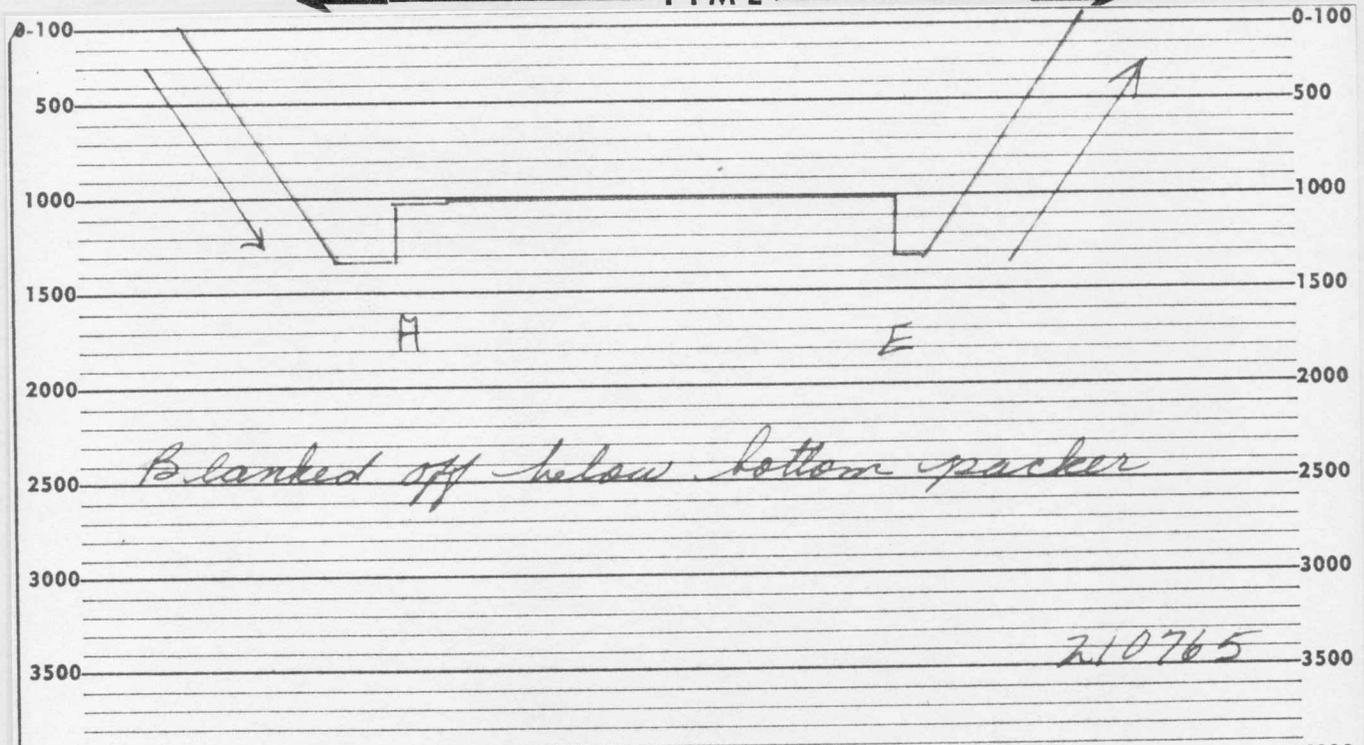
Recovered 5 Feet of drilling mud  
 Recovered Feet of  
 Recovered Feet of  
 Recovered Feet of

Witnessed By Harold Martin  
 Tester W. L. Gasperson



PRESSURE

← TIME →



- A—Initial Mud Weight
- B—Initial Flow
- C—Final Flow
- D—Closed In Pressure
- E—Final Mud Weight

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

Company J. P. GATY

Date 6-4-59

5

	Time	PSI	Ticket No. 210765  Lease NELSON Well No. 5 Test No. 2 BT No. 537 Depth 2415' 12 Hr. Clock No. 1793 Temperature Corrected to Actual 84 ° F
Initial Hydro Mud Pressure		1240	
1st	Initial Flow	-	
	Final Flow	3 Minutes	
Initial Closed In Pressure	20 Minutes	765	
2nd	Initial Flow	19	
	Final Flow	60 Minutes	
Final Closed In Pressure	20 Minutes	308	
Final Hydro Mud Pressure		1214	

	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.
P0			.000	14	.000	19	.000	21
P1			.013	261	.428	21	.015	40
P2			.026	463			.030	83
P3			.039	579			.045	136
P4			.052	639			.060	181
P5			.065	682			.075	216
P6			.078	708			.090	242
P7			.091	726			.105	264
P8			.104	742			.120	282
P9			.117	754			.135	298
P10			.130	765			.150	308
	Minute Intervals		Minute Intervals		Minute Intervals		Minute Intervals	
		2		2	15		2	2

Remarks:



Initial Closed In Time	20	Minutes	Date	6-3-59
Tool Open Flow Period	4 - 30	Minutes	Ticket No.	210764
Final Closed In Time	20	Minutes	HOWCO DISTRICT	El Dorado, Ks.
Depth Top Gauge	2420	Ft.	Kind of Job	D.S.T.
Blanked Off	no		CONTRACTOR Harold Martin Drlg. Co.	
BT. P.R.D. No	537	12 Hr. Clock		
Pressure Readings	Field	Office Corrected	HOLE & TOOL DATA	
Initial Hydro Mud Pressure	1230	1217	Elevation	1311' K.B.
Initial Closed in Pres.	775	774	Total Depth	2441'
Initial Flow Pres.	15	16	Casing or Hole Size	7 7/8"
Final Flow Pres.	15	11-17	Liner or Rathole Size	-
Final Closed in Pres.	445	444	Casing Perforations	Top Bottom
Final Hydro Mud Pressure		1203	Interval Tested	2421'-2441'
Depth Center Gauge	Ft.	Blanked Off	Formation Tested	-
BT. P.R.D. No		Hr. Clock	Est. Gauge Depth Temp.	84 F°
Pressure Readings	Field	Office Corrected	MUD DATA Weight	9.7
Initial Hydro Mud Pressure			All depths measured from	Kelly Bushing
Initial Closed in Pres.			REMARKS:	Tool opened for 4 Minutes first flow
Initial Flow Pres.				Rotated tool for a 20 Minute Initial closed
Final Flow Pres.				in pressure. Tool reopened with a bubble,
Final Closed in Pres.				flushed tool with a very weak blow for 5
Final Hydro Mud Pressure				minutes.
Depth Bottom Gauge	2437	Ft.	Blanked Off	yes
BT. P.R.D. No	1982	12	Hr. Clock	
Pressure Readings	Field	Office Corrected		
Initial Hydro Mud Pressure				
Initial Closed in Pres.			Recovered	5' Feet of drilling mud
Initial Flow Pres.			Recovered	Feet of
Final Flow Pres.			Recovered	Feet of
Final Closed in Pres.			Recovered	Feet of
Final Hydro Mud Pressure			Witnessed By	J. P. Gaty
Amount-Type of Cushion			Tester	W. L. Gasperson

LOCATION SEC. 3-26-4

C 1/2 NE NW

LEASE NAME

NELSON

FIELD EL DORADO

WELL NO. 5

TEST NO. 1

COUNTY BUTLER

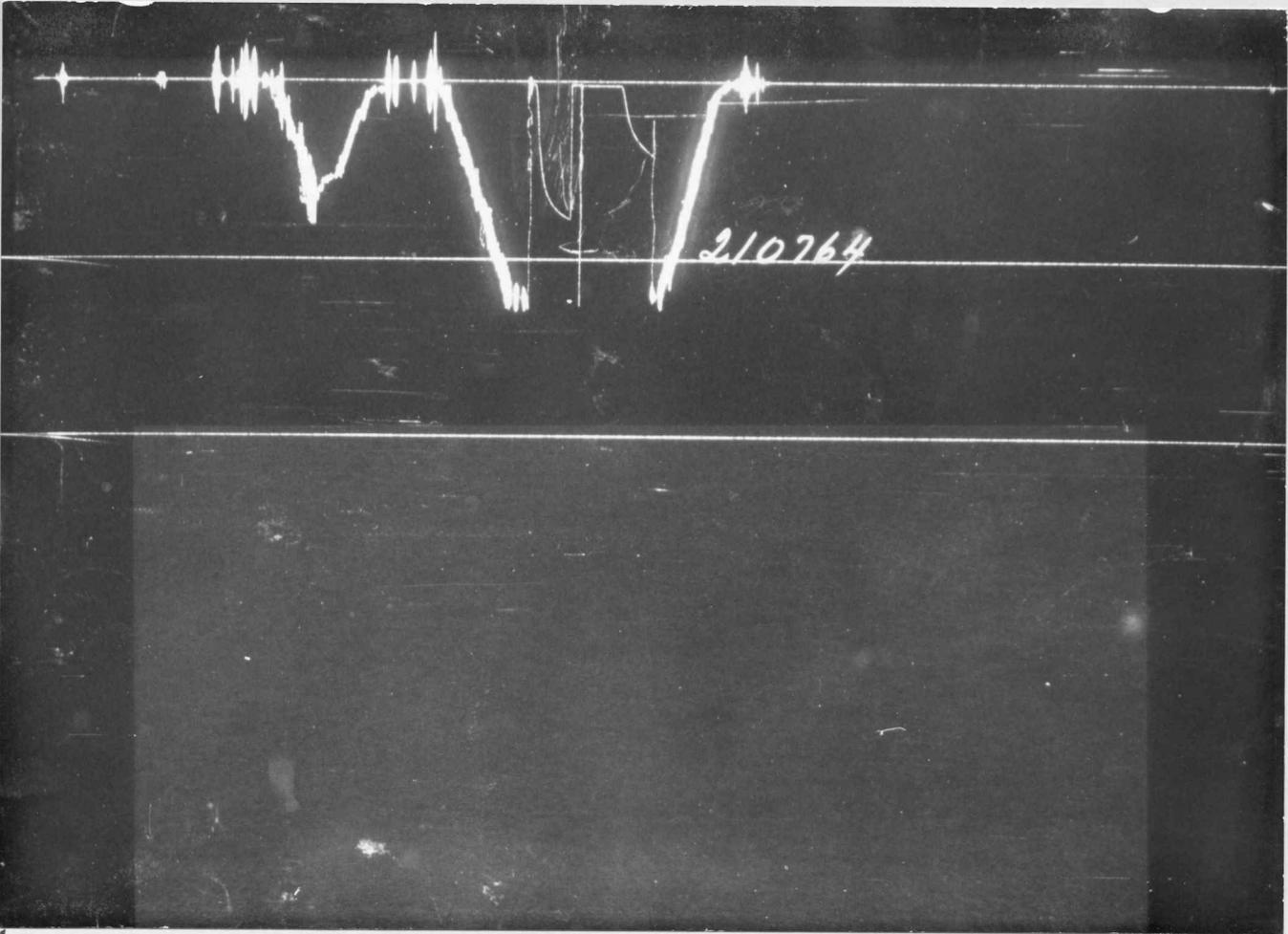
LEASE OWNER

J. P. GATY

STATE KANSAS

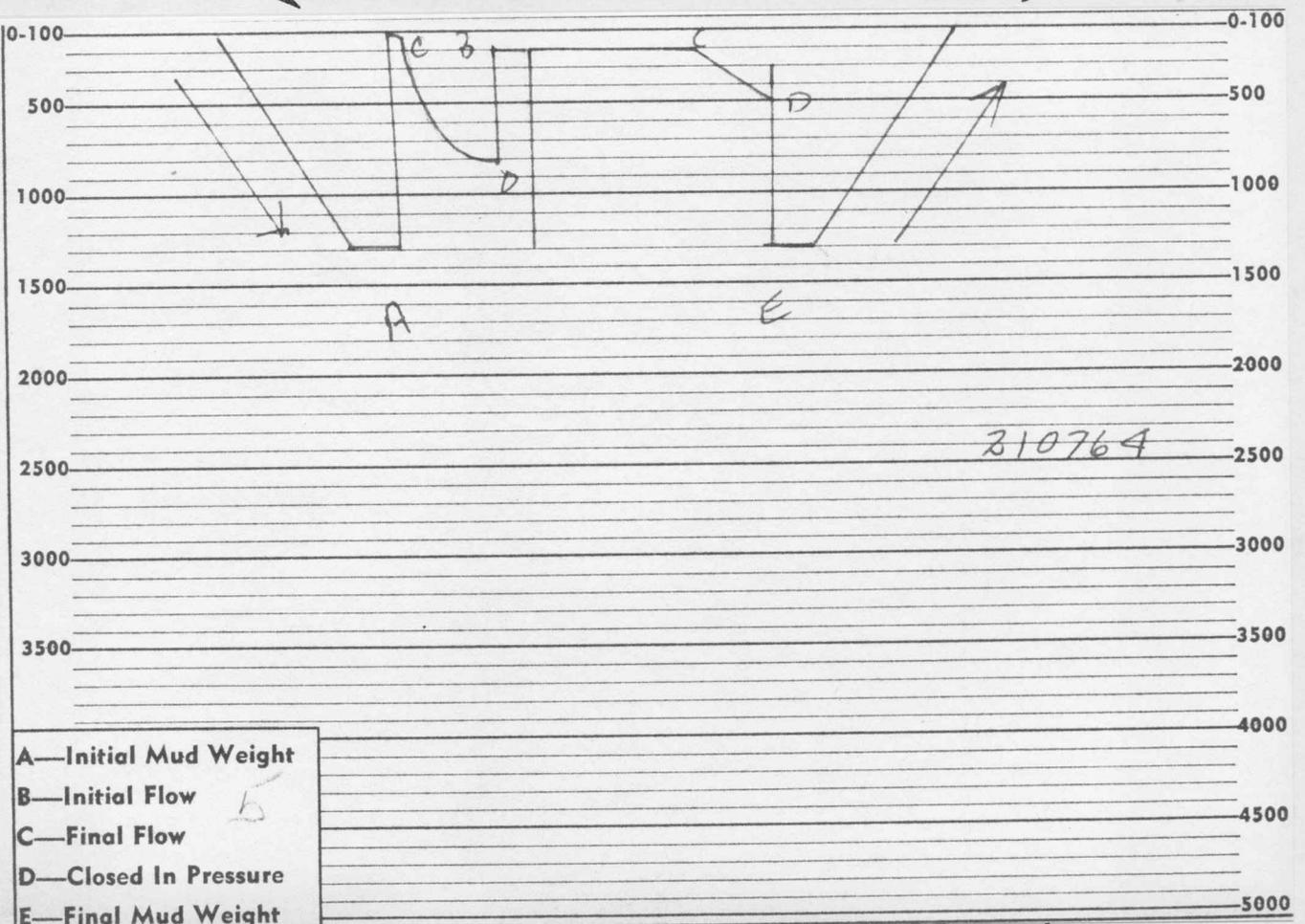
OWNERS DISTRICT

3-26-4E  
MICHITA



PRESSURE

← TIME →



- A—Initial Mud Weight
- B—Initial Flow b
- C—Final Flow
- D—Closed In Pressure
- E—Final Mud Weight

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

Company J. P. GATY

Date 6-3-59

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	Time	PSI	Ticket No. 210764  Lease NELSON  Well No. 5 Test No. 1  BT No. 537 Depth 2420'  12 Hr. Clock No. 1793  Temperature Corrected to Actual 84 ° F
Initial Hydro Mud Pressure		1217	
1st	Initial Flow	-	
	Final Flow	4 Minutes	
Initial Closed In Pressure	20 Minutes	774	
2nd	Initial Flow	16	
	Final Flow	30 Minutes	
Final Closed In Pressure	20 Minutes	414	
Final Hydro Mud Pressure		1203	

	1st Flow Pressure		Initial CIP		2nd Flow Pressure		Final CIP	
	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.	Time Defl. .000"	PSI Temp. Corr.
PO			.000	11	.000	16	.000	17
P1			.0145	201	.196	17	.013	92
P2			.029	487			.026	189
P3			.0435	605			.039	256
P4			.058	660			.052	294
P5			.0725	696			.065	324
P6			.087	719			.078	348
P7			.1015	738			.091	371
P8			.116	752			.104	388
P9			.1305	765			.117	404
P10			.145	774			.130	414
		Minute Intervals	2	Minute Intervals		Minute Intervals	2	Minute Intervals

Remarks: