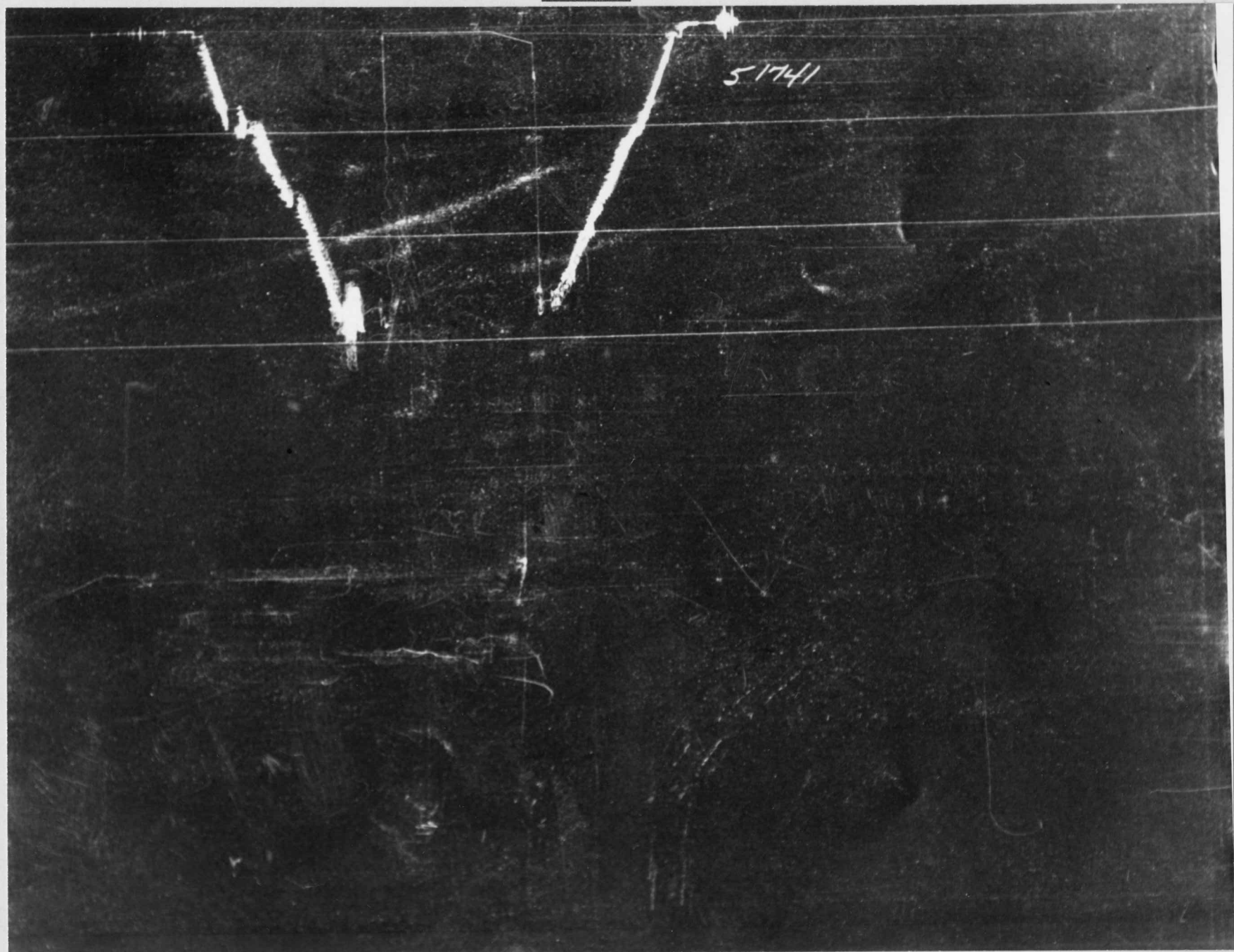


LOCATION	SEC. 8-32-30		 OIL WELL CEMENTING CO.				Date	11-8-56
FIELD	West Plains						Ticket No.	51741
COUNTY	Meade						HOWCO DISTRICT	Liberal
STATE	Kansas		HOLE & TOOL DATA				Kind of Job	Open Hole Test
CONTRACTOR	Company Tools						Total Depth	5600'
MUD DATA			Top Packer Depth	5541'	Bottom Packer Depth	-	Second Packer Assembly	-
Kind	Chemical		Casing or Hole Size	7 7/8"	Liner or Rathole Size	-	Safety Joint	-
Weight	9.2	lbs.-gal.	Formation Tested	Marrow			Extra Folder Charge	-
Viscosity	68	Sec.	Size Drill Pipe	4 1/2" API FH	Size Drill Collars	6 1/4"	Jobs HOWCO	100.00
Filter Loss	6	c. c. Filter Cake 2/32 in.	Size Bottom Choke	1 1/2"	Size Surface Choke	1"		
Est. Gauge Depth Temp.	Calc. 120	F°	Size Hook Wall Packer	-	Size Rings	-	No. Rings	-
Time Tool Open	60 minutes		Size & Type Wall Packer	6 3/4" ESA	No. Packers	1	Total	\$343.00
Time Closed In.	30 minutes		Size & Length Anchor	5" x 59'			Witnessed By	Mr. W. Wakefield
Depth BT. Gauge	5576'		PRD Device No.	1584	Depth	5596'	Blanked Off	Yes
BT. P.R.D. No.	231	Blanked Off No	REMARKS: Interval tested 5541' to 5600' in the Marrow.					
12 Hr. Clock No. 1560			Tool opened @ 7:15 A. M. with a weak blow and continued throughout the					
Pressure Readings	Field	Office Corrected	test, closed in pressure taken @ 8:15 A. M., and started off bottom @					
Initial Hydro Mud Pressure		2728 p.s.i.	8:45 A. M. Recovered 150' of gas in pipe, and 95' of very slightly oil					
Initial Flow Pres.		25 p.s.i.	cut drilling mud.					
Final Flow Pres.		25 p.s.i.						
Closed in Pres.		168 p.s.i.						
Final Hydro Mud Pressure		2650 p.s.i.	Amount of Cushion	none	All depths measured from	Rotary Table	No. Folders Reproduced	5

Top Recorder

TIME

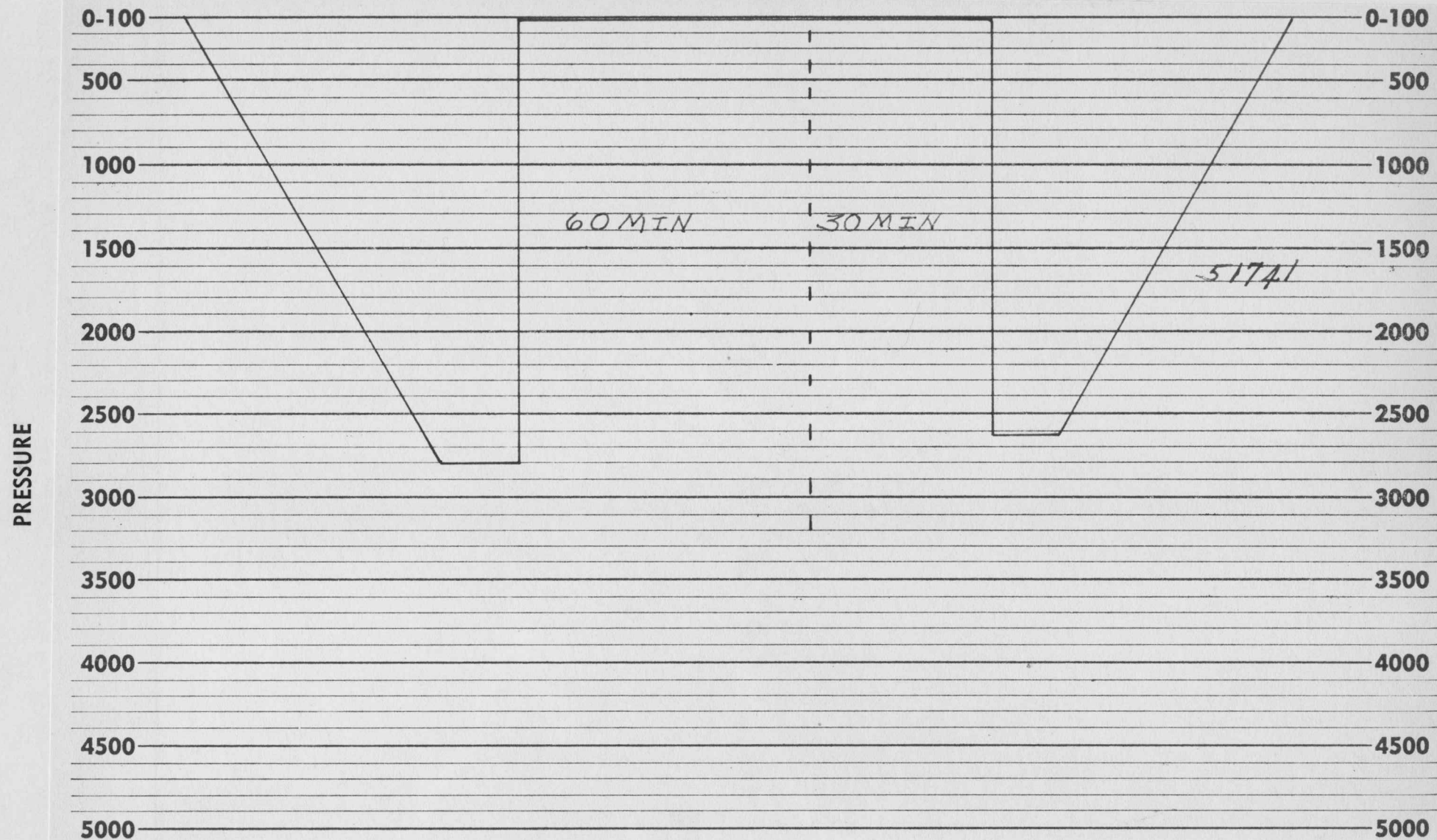
PRESSURE



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

Bottom Recorder

TIME



HOWCO—LITTLE'S 51255 2M 10-56

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

LANGHOFFER
LEASE

1
WELL NO.

3
TEST NO.

EARL F. WAKEFIELD
COMPANY

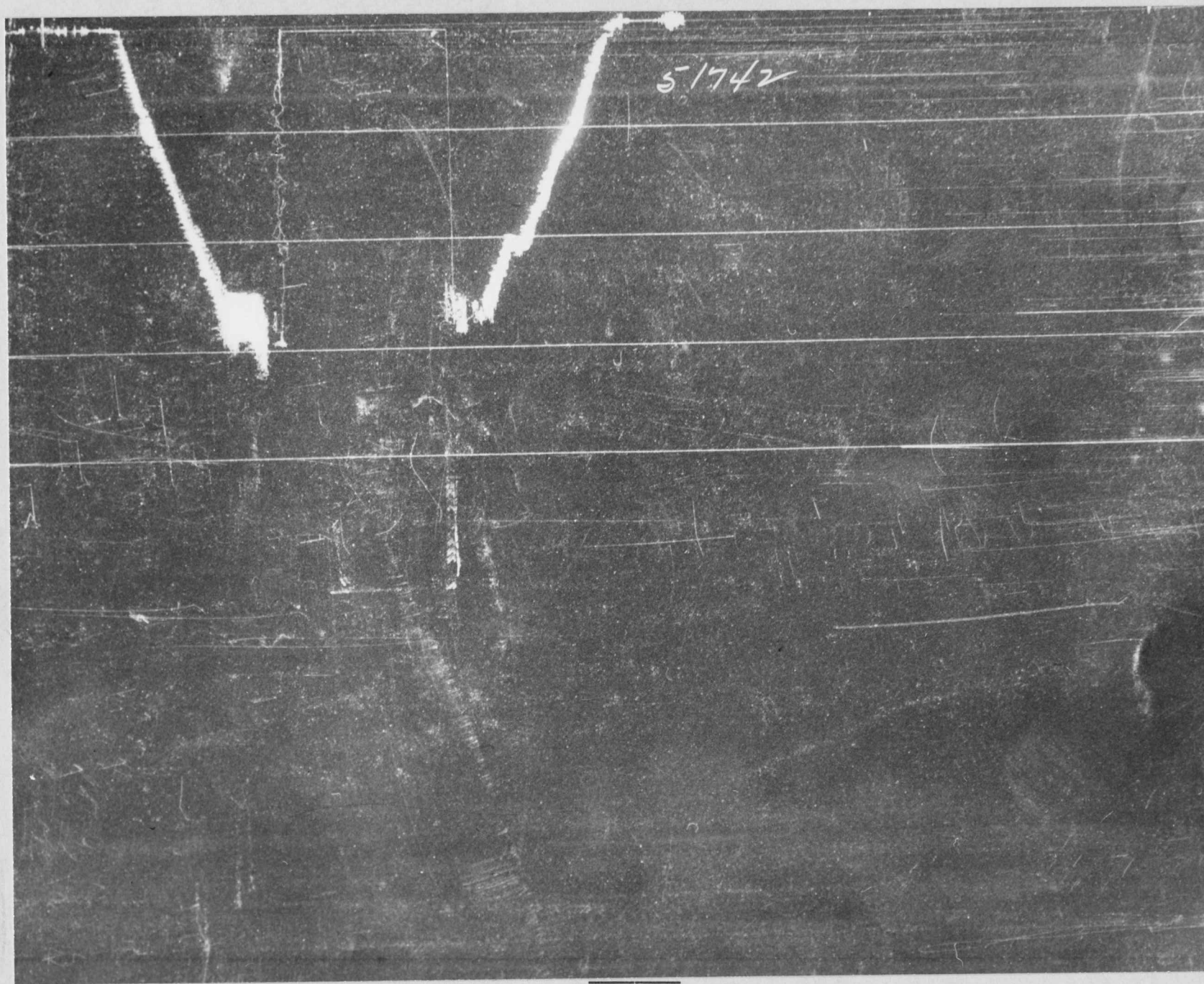
8-33-30W
KANSAS
DISTRICT

LOCATION SEC. 8-32-30				Date 11-9-56	
FIELD West Plains				Ticket No. 51742	
COUNTY Meade				HOWCO DISTRICT Liberal	
STATE Kansas		HOLE & TOOL DATA		Kind of Job Open Hole Test	
CONTRACTOR Earl Wakefield		Total Depth 5650'	Casing Perforations	Top	Price \$243.00
MUD DATA		Top Packer Depth 5592'	Bottom Packer Depth	Bottom	Second Packer Assembly -
Kind Chemical		Casing or Hole Size 7 7/8"	Liner or Rathole Size		Safety Joint -
Weight 9.1 lbs.-gal.		Formation Tested Marrow			Extra Folder Charge -
Viscosity 50 Sec.		Size Drill Pipe 4 1/2" API FH	Size Drill Collars		HOWCO Jars 100.00
Filter Loss 7.2 c. c. Filter Cake 2/32 in.		Size Bottom Choke 5/8"	Size Surface Choke		
Est. Gauge Depth Temp. Calc. 120 F°		Size Hook Wall Packer -	Size Rings -	No. Rings -	
Time Tool Open 60 minutes		Size & Type Wall Packer 6 3/4" ESA		No. Packers 1	Total \$343.00
Time Closed In 30 minutes		Size & Length Anchor 5" x 58'			Witnessed By Mr. Wakefield
Depth BT. Gauge 5642'		PRD Device No. 1584	Depth 5646'	Blanked Off Yes	Tester Redding
BT. P.R.D. No. 231	Blanked Off No	REMARKS: Interval tested 5592' to 5650' in the Marrow.			
12 Hr. Clock No. 1560		Tool opened @ 2:30 A. M. with a very weak blow and continued throughout the test, closed in pressure taken @ 3:30 A. M., and started off bottom @ 4:00 A. M. Recovered 30' of drilling mud.			
Pressure Readings	Field	Office Corrected			
Initial Hydro Mud Pressure		2840 p.s.i.			
Initial Flow Pres.		42 p.s.i.			
Final Flow Pres.		42 p.s.i.			
Closed in Pres.		42 p.s.i.			
Final Hydro Mud Pressure		2792 p.s.i.			
Amount of Cushion none		All depths measured from Kelly Bushing		No. Folders Reproduced 5	

Top Recorder

TIME

PRESSURE



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

LANCHOFFER
LEASE

1
WELL NO.

3
TEST NO.

EARL F. WAKEFILED
COMPANY

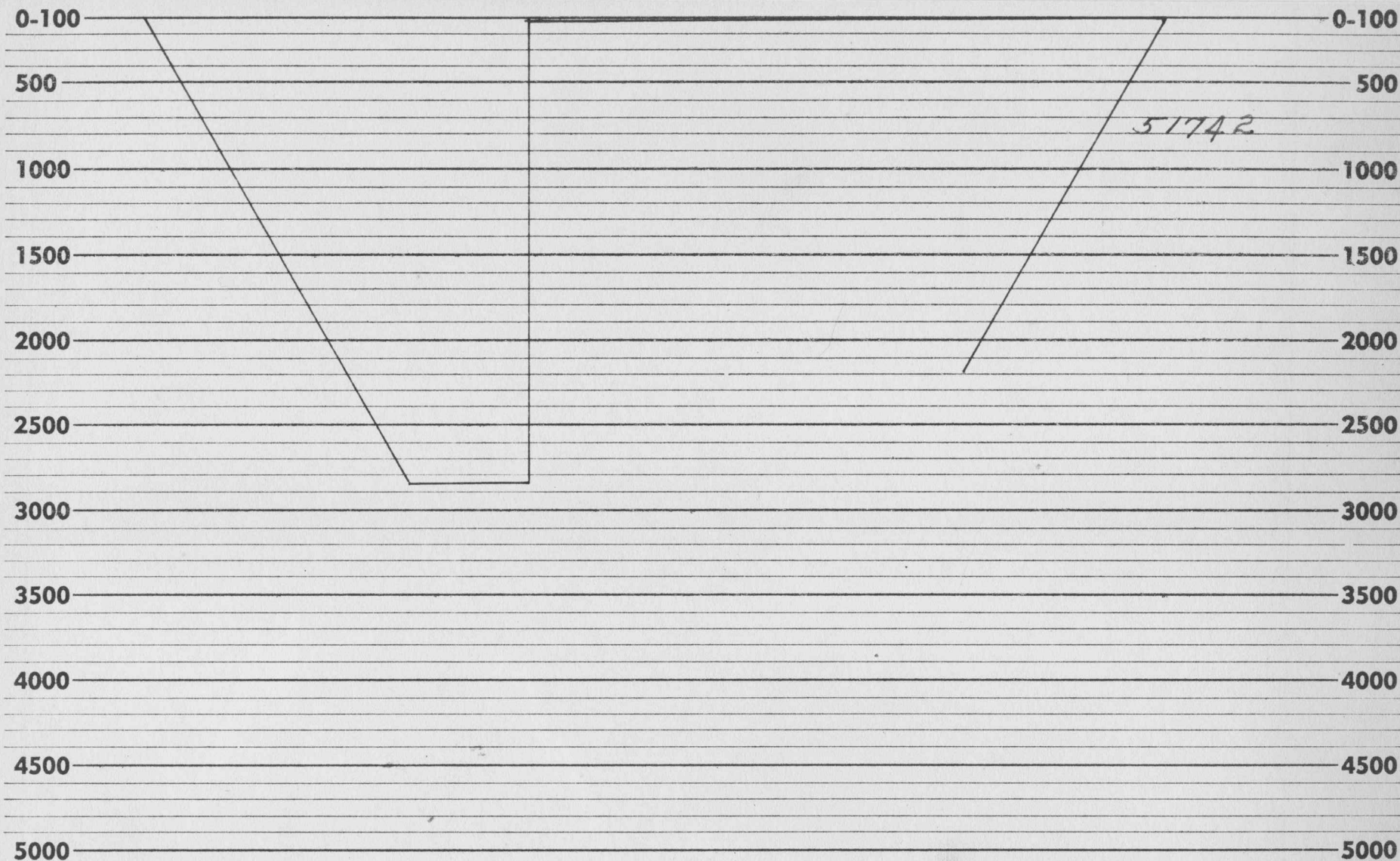
8-22-30W KANSAS
DISTRICT

12-0-56

Bottom Recorder

TIME

PRESSURE



HOWCO—LITTLE'S 51255 2M 10-56

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