

MICRO LOG

Company L.D. DRILLING, INC.	
Well #4 KELLI	
Field GATES	
County STAFFORD	
State KANSAS	
Company L.D. DRILLING, INC.	
Well #4 KELLI	
Field GATES	
County STAFFORD	State KANSAS
Location: API # : 15-185-23997-0000 1700' FSL & 2088' FVL NW - SE - NE - SW	
Permanent Datum GROUND LEVEL Log Measured From KELLY BUSHING 5' A.G.L. Drilling Measured From KELLY BUSHING	Elevation K.B. 1870 D.F. 1868 G.L. 1865
SEC 30 TWP 21S RGE 12W	
Date 9/20/17	
Run Number TWO	
Depth Driller 3760	
Depth Logger 3758	
Bottom Logged Interval 3756	
Top Log Interval 2800	
Casing Driller 8 5/8"@334'	
Casing Logger 334	
Bit Size 7 7/8"	
Type Fluid in Hole CHEMICAL MUD	CHLORIDES 7,900 PPM
Density / Viscosity 8.9 / 68	
pH / Fluid Loss 10.0 / 1.2	
Source of Sample FLOWLINE	
Rim @ Meas. Temp .400@80F	
Rmf @ Meas. Temp .300@80F	
Rmc @ Meas. Temp .480@80F	
Source of Rmf / Rmc MEASUREMENT	
Rim @ BHT .2812@114F	
Time Circulation Stopped 3.5 HOURS	
Time Logger on Bottom 6:00 A.M.	
Maximum Recorded Temperature 114F	
Equipment Number 922339	
Location HAYS, KANSAS	
Recorded By JEFF LUEBBERS	
Witnessed By KIM SHOEMAKER	

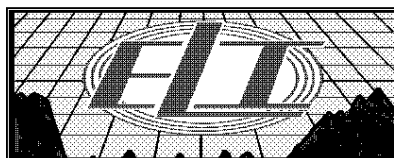
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS

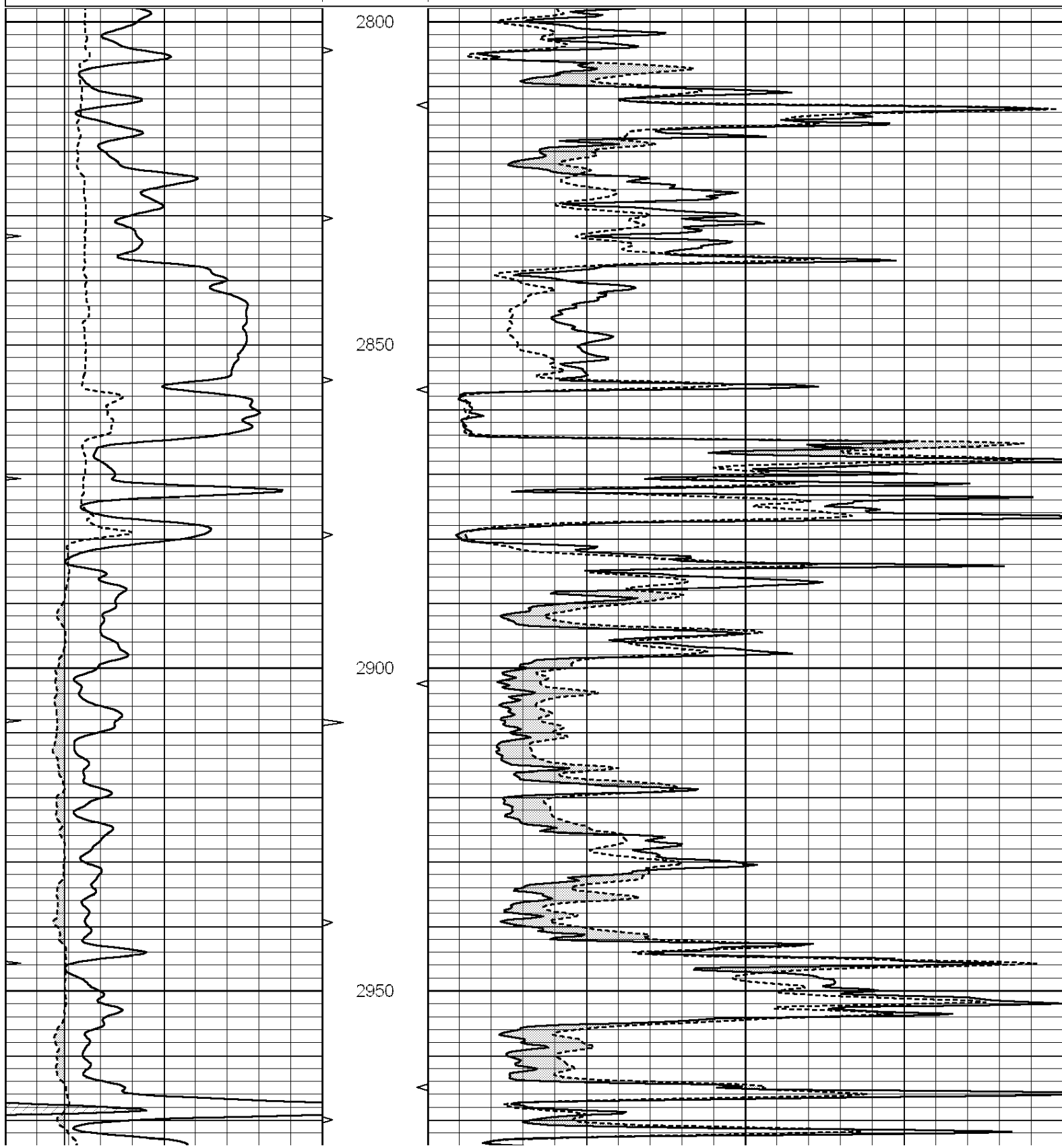
GREAT BEND, KS., S. ON HWY 281 5 MILES PAST COUNTY LINE TO "RD. 160", 3E., 1/2N., E. INTO

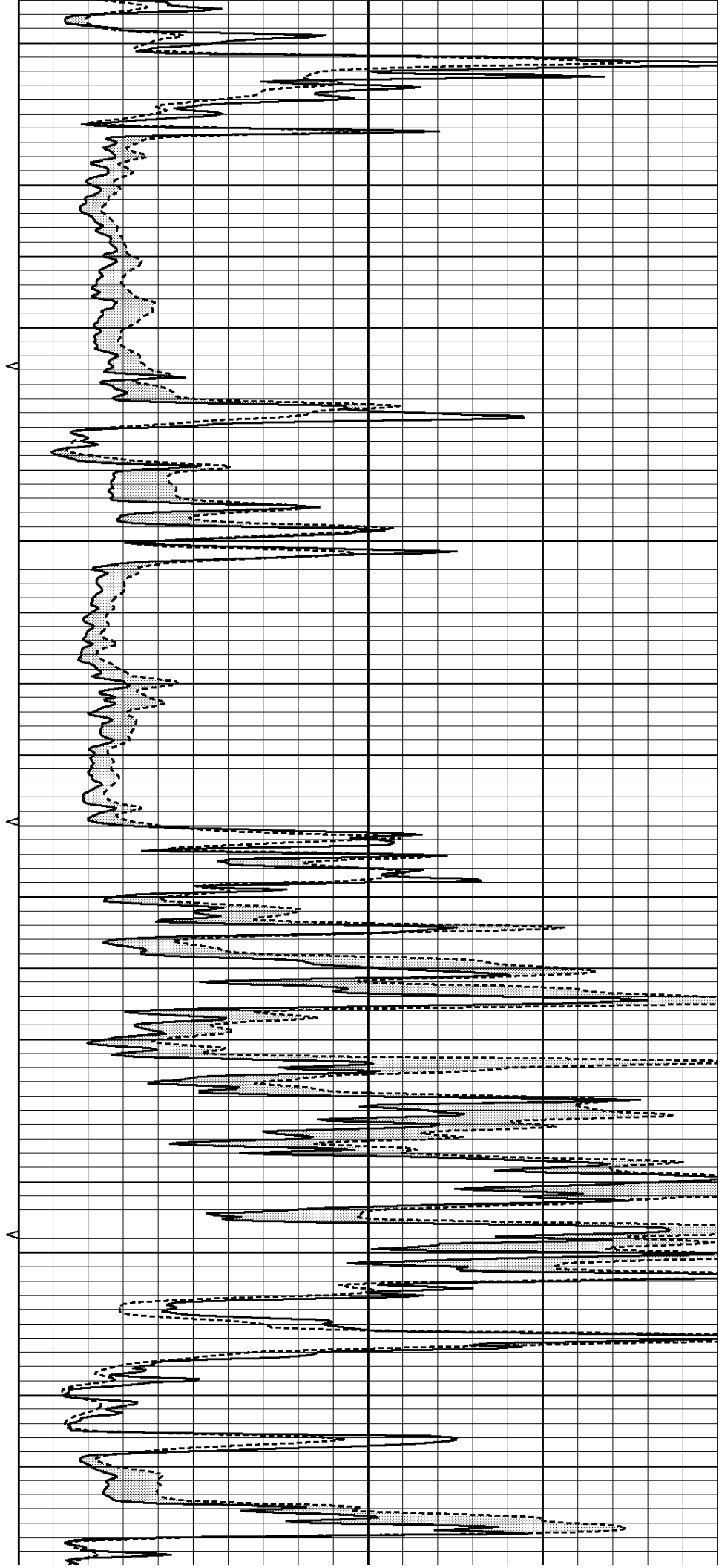
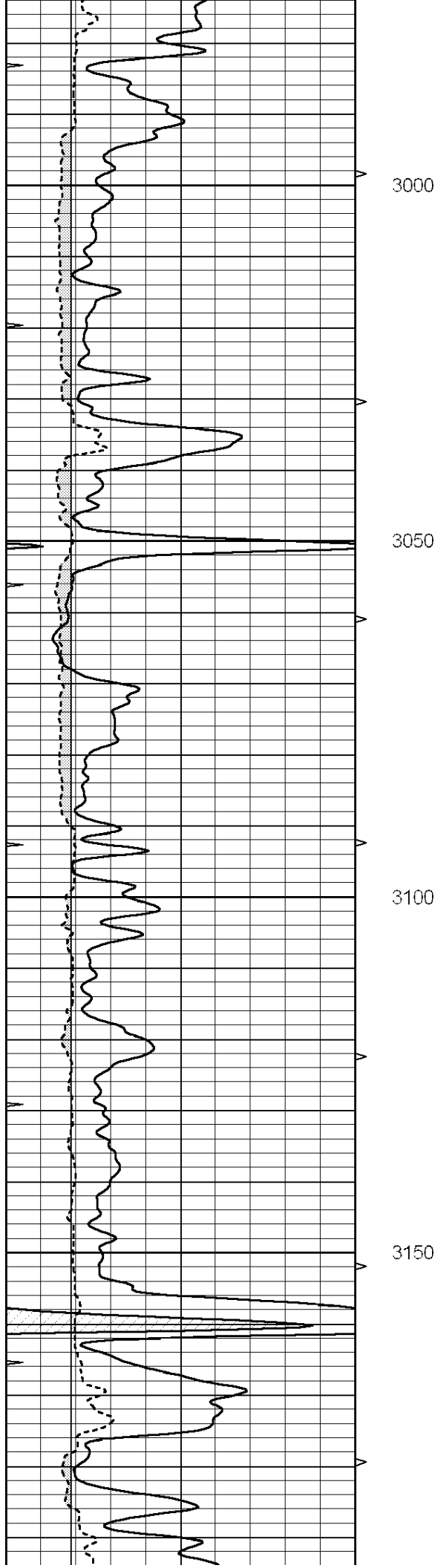


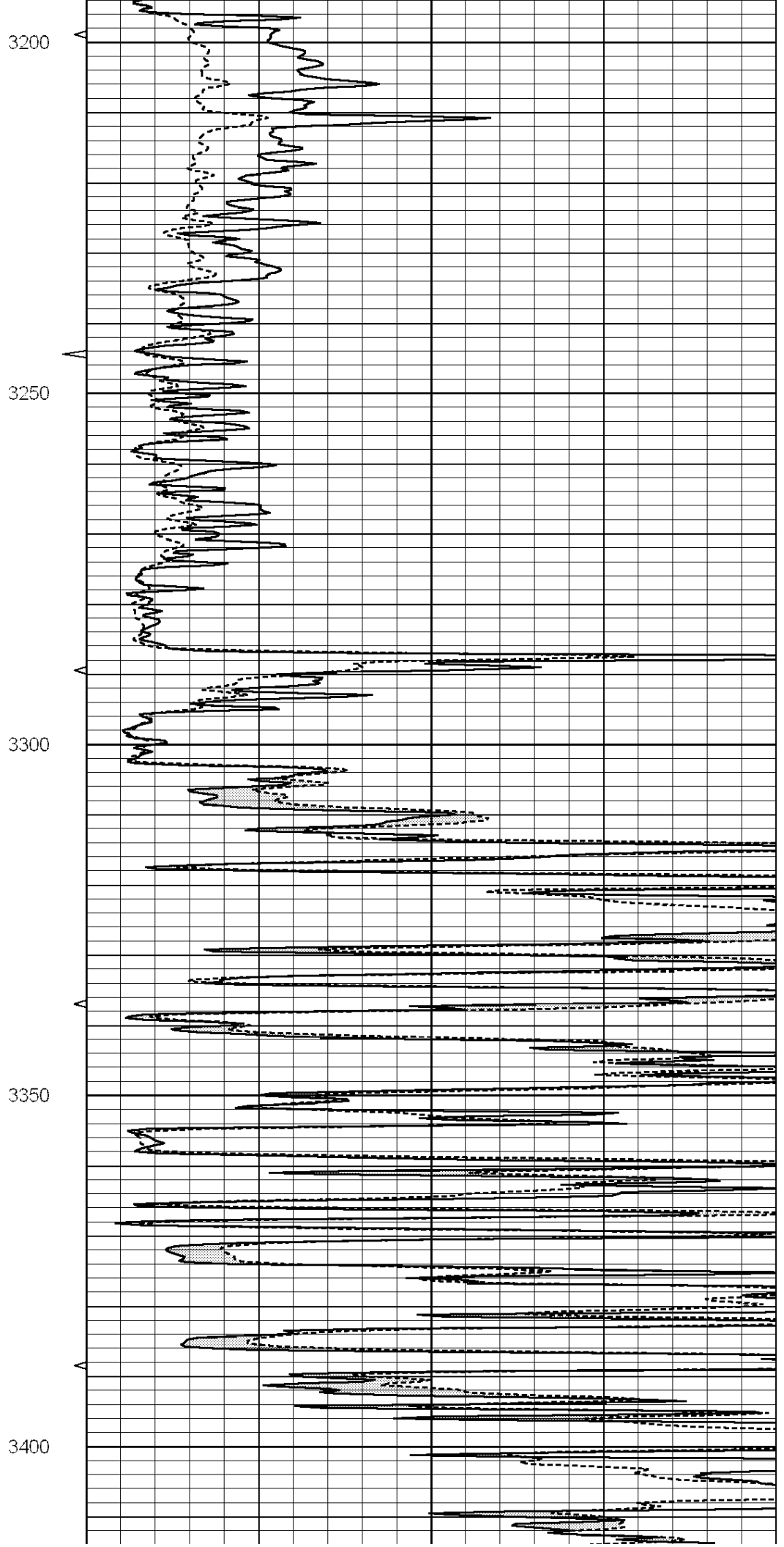
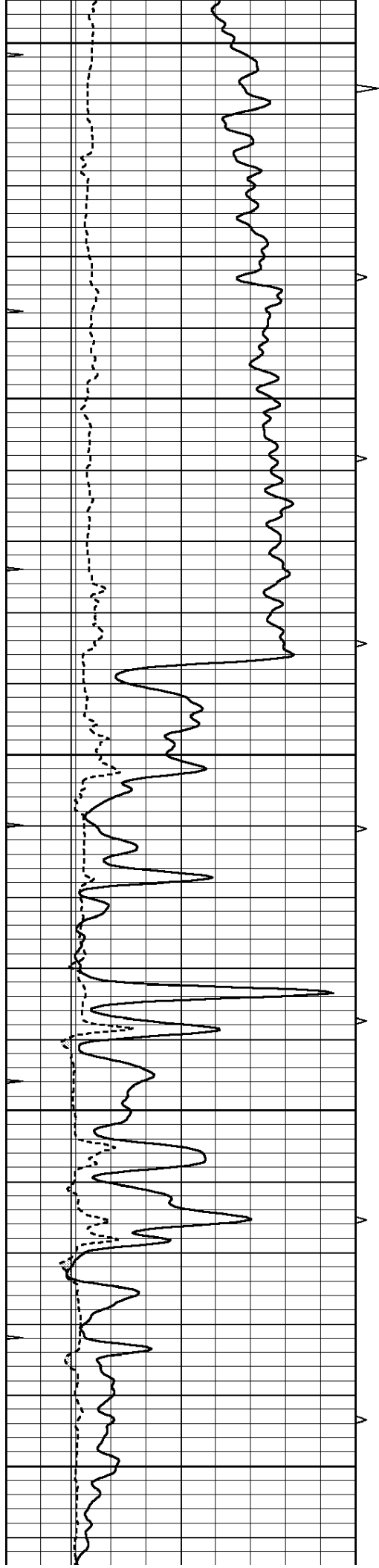
MAIN SECTION

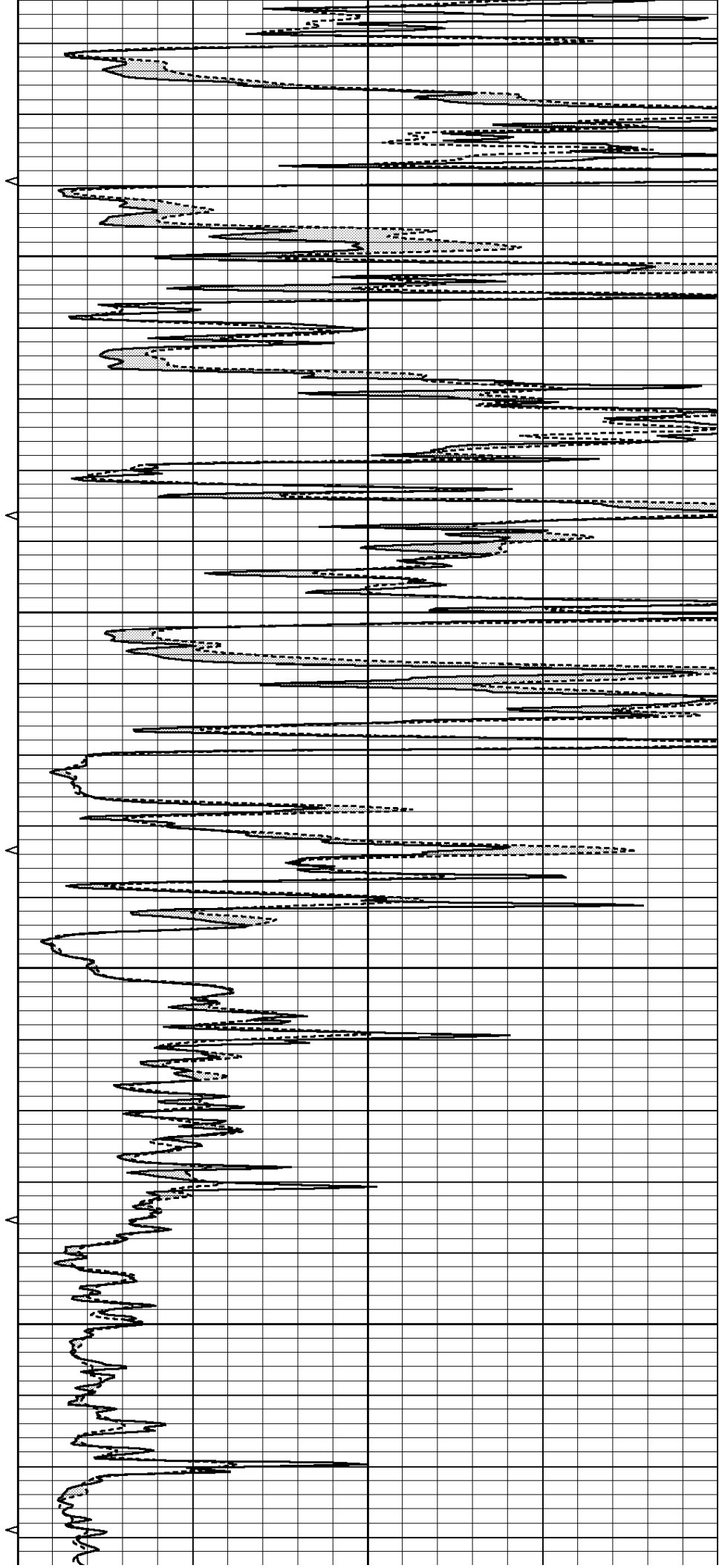
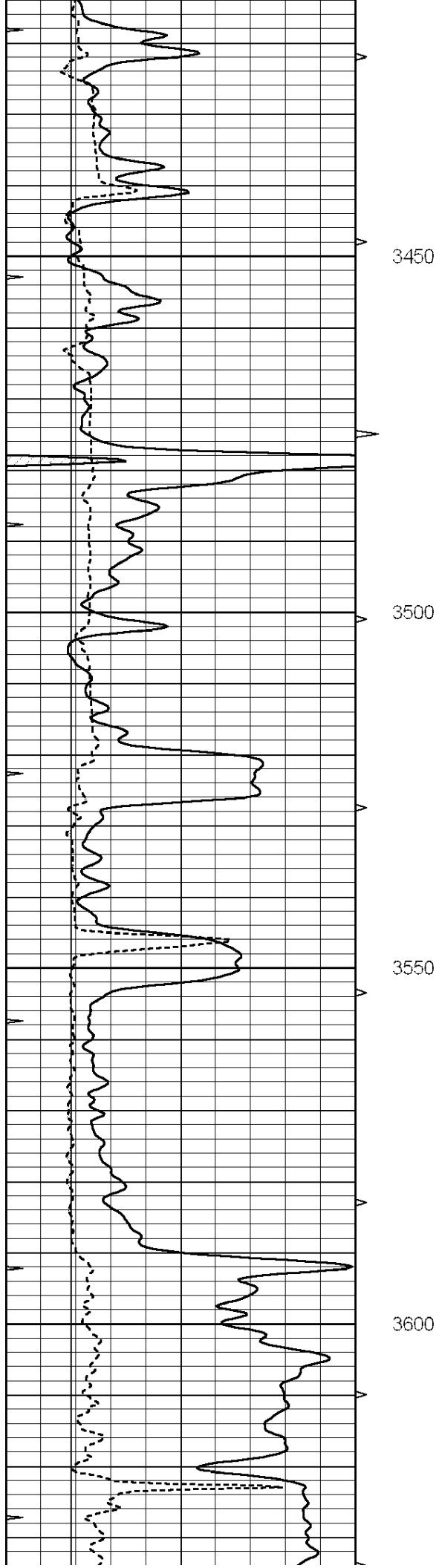
Database File: 1828ddn.db
 Dataset Pathname: pass6.2
 Presentation Format: micro
 Dataset Creation: Wed Sep 20 06:46:17 2017 by Calc SOC 120430
 Charted by: Depth in Feet scaled 1:240

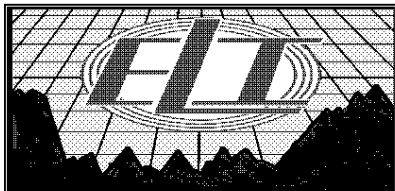
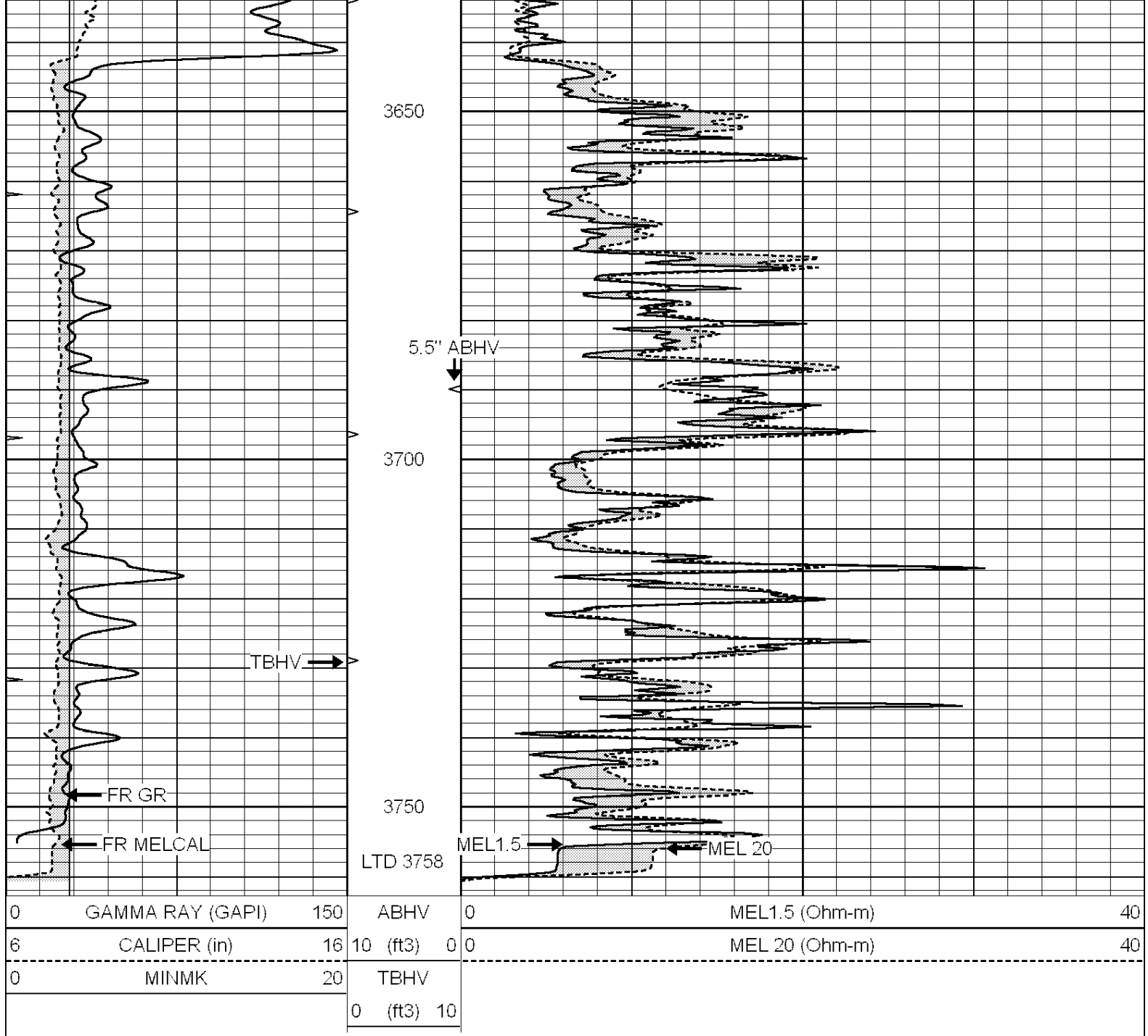
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





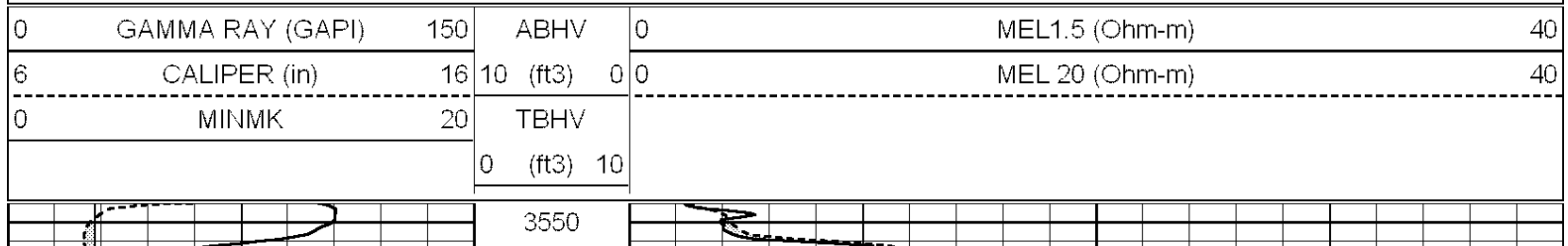


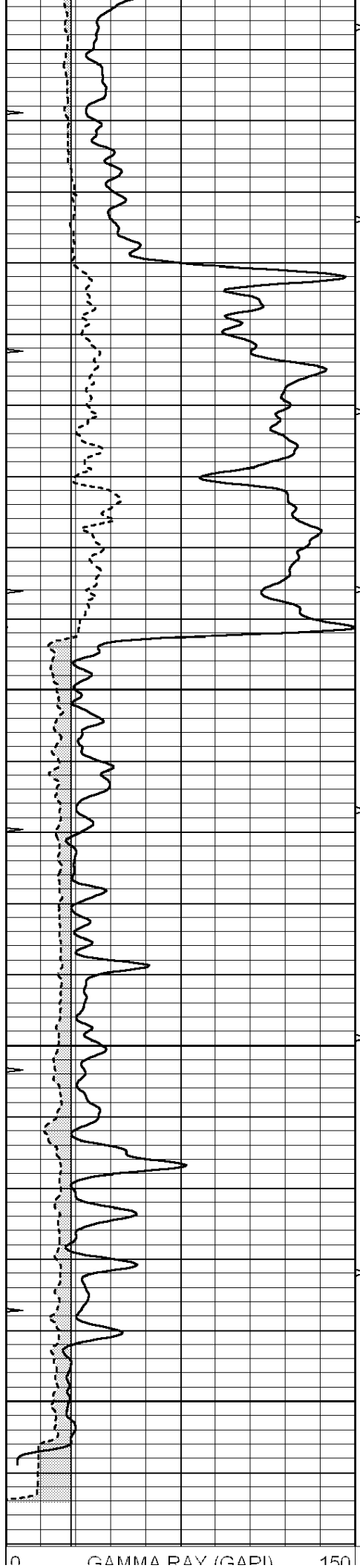




REPEAT SECTION

Database File: 1828ddn.db
 Dataset Pathname: pass5.3
 Presentation Format: micro
 Dataset Creation: Wed Sep 20 06:52:22 2017
 Charted by: Depth in Feet scaled 1:240



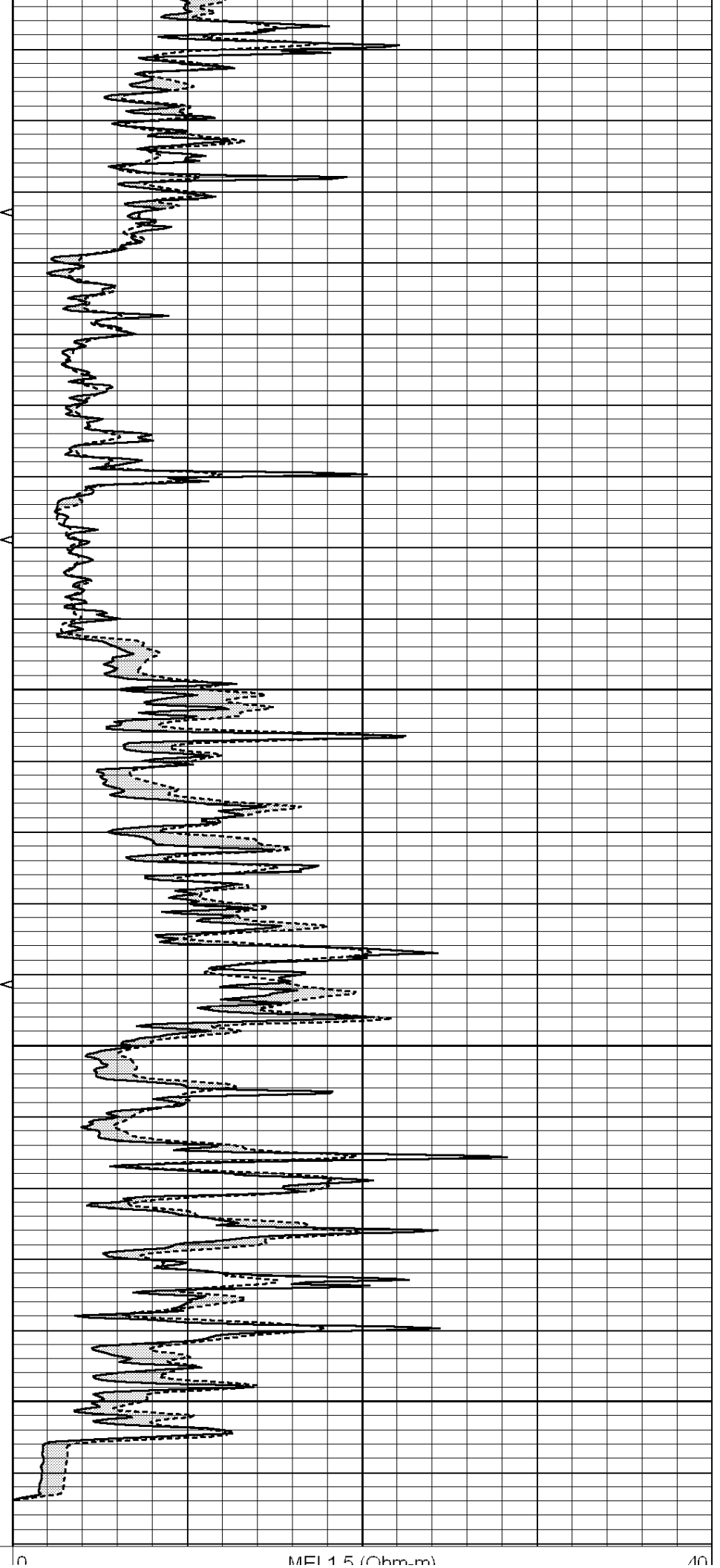


3600

3650

3700

3750



MEI 1.5 (Ohm-m)

40

6	CALIPER (in)	16	10 (ft3)	0	0	MEL 20 (Ohm-m)	40
0	MINMK	20	TBHV				
			0 (ft3)	10			

Calibration Report					
Database File:	1828ddn.db				
Dataset Pathname:	pass6.2				
Dataset Creation:	Wed Sep 20 06:46:17 2017 by Calc SOC 120430				
MICRO Calibration Report					
Serial Number:	070912				
Tool Model:	ProbeN				
Performed:	Wed Sep 20 06:13:37 2017				
Caliper Calibration:	Gain=2.826	Offset=5.718			
	Low Cal	High Cal			
References	7.100	15.000			
Readings	0.489	3.285			
1.5" Calibration:	Gain=40.000	Offset=0.000			
	Low Cal	High Cal			
References	0.000	20.000			
Readings	0.002	1.239			
2" Calibration:	Gain=50.000	Offset=-0.200			
	Low Cal	High Cal			
References	0.000	20.000			
Readings	0.003	1.075			
Gamma Ray Calibration Report					
Serial Number:	070559				
Tool Model:	OPEN_GR				
Performed:	Wed Sep 20 06:06:11 2017				
Calibrator Value:	1.0	GAPI			
Background Reading:	0.0	cps			
Calibrator Reading:	1.0	cps			
Sensitivity:	0.2400	GAPI/cps			