MICRO LOG

Company L. D. DRILLING, INC.
Well #1-27 HICKERT FARMS
Field WILDCAT
County GRAHAM
State KANSAS

Location: API # : 15-065-24147-0000
1199' FNL & 2452' FEL
SW - SW - NW - NE
SEC 27 TWP 6S RGE 25W

Other Services
CDL/CNL
DIL/SON

Permanent Datum GROUND LEVEL Elevation 2557
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2562
D.F. 2560
G.L. 2557

Date	3/6/19		
Run Number	TWO		
Depth Driller	3996		
Depth Logger	3978		
Bottom Logged Interval	3962		
Top Log Interval	3300		
Casing Driller	8 5/8"@349'		
Casing Logger	349		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1,100 PPM	
Density / Viscosity	9.2/49		
pH / Fluid Loss	10.5/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.60@70F		
Rmf @ Meas. Temp	1.20@70F		
Rmc @ Meas. Temp	1.92@70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	1.01@111F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	4:00 P.M.		
Maximum Recorded Temperature	111F		
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.

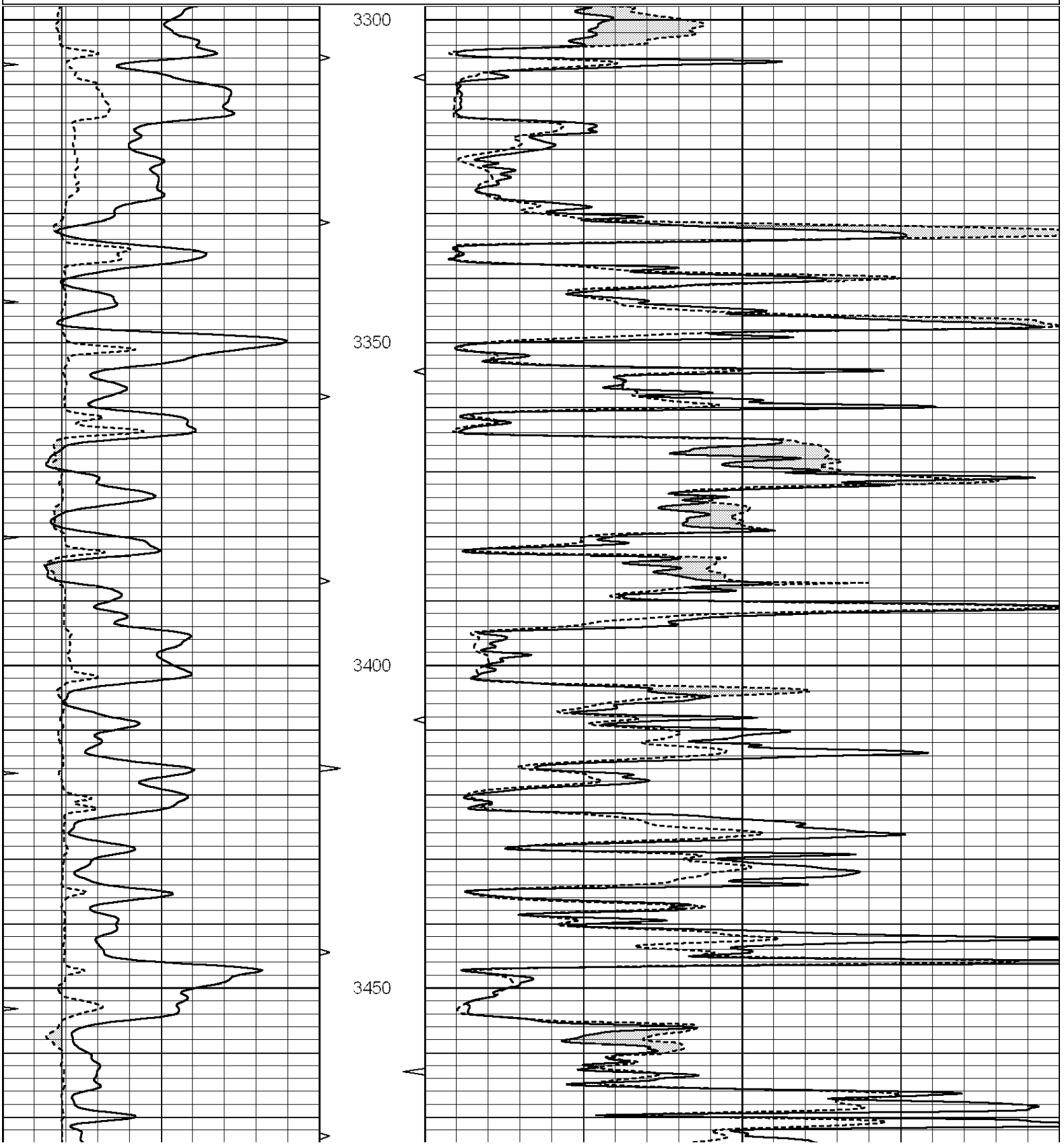
Comments

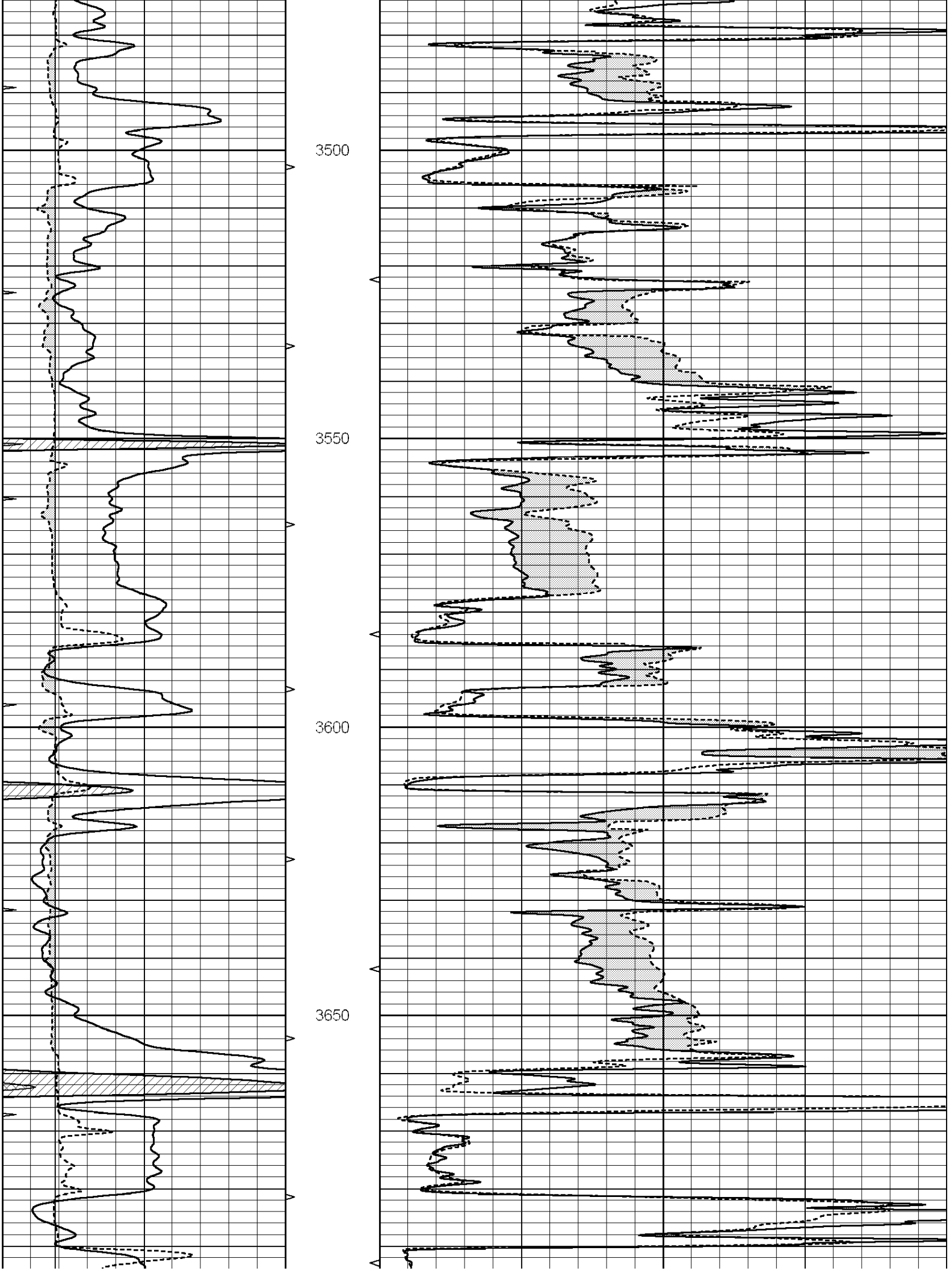
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
MORLAND, KS. & HWY 24, 1 1/2W. ON HWY 24 TO "RD. 135", FOLLOW CURVES TO "RD. 130", STAY ON IT TO "RD. AA" (10 MILES TOTAL), 1/2E., S. INTO

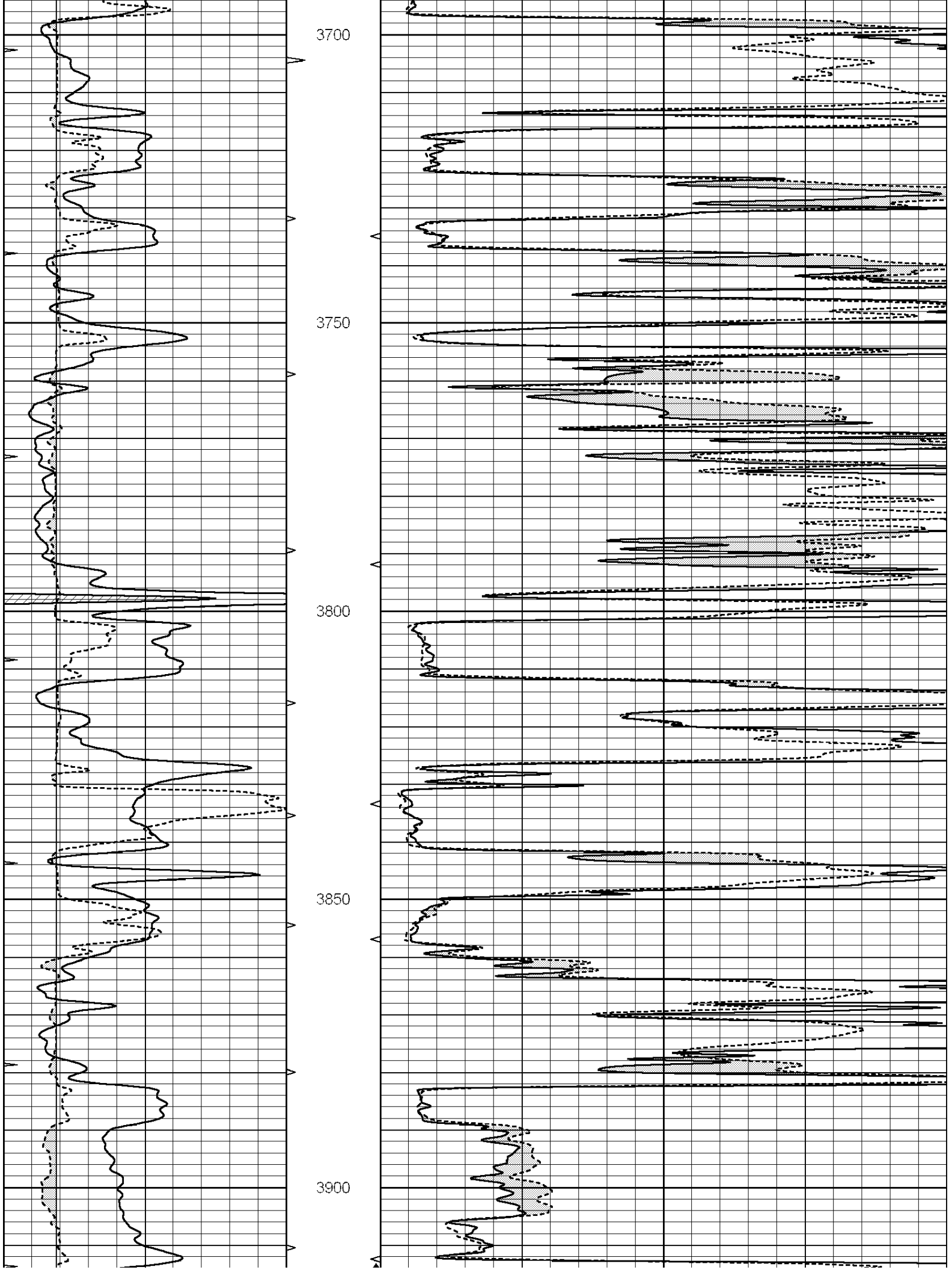
MAIN SECTION

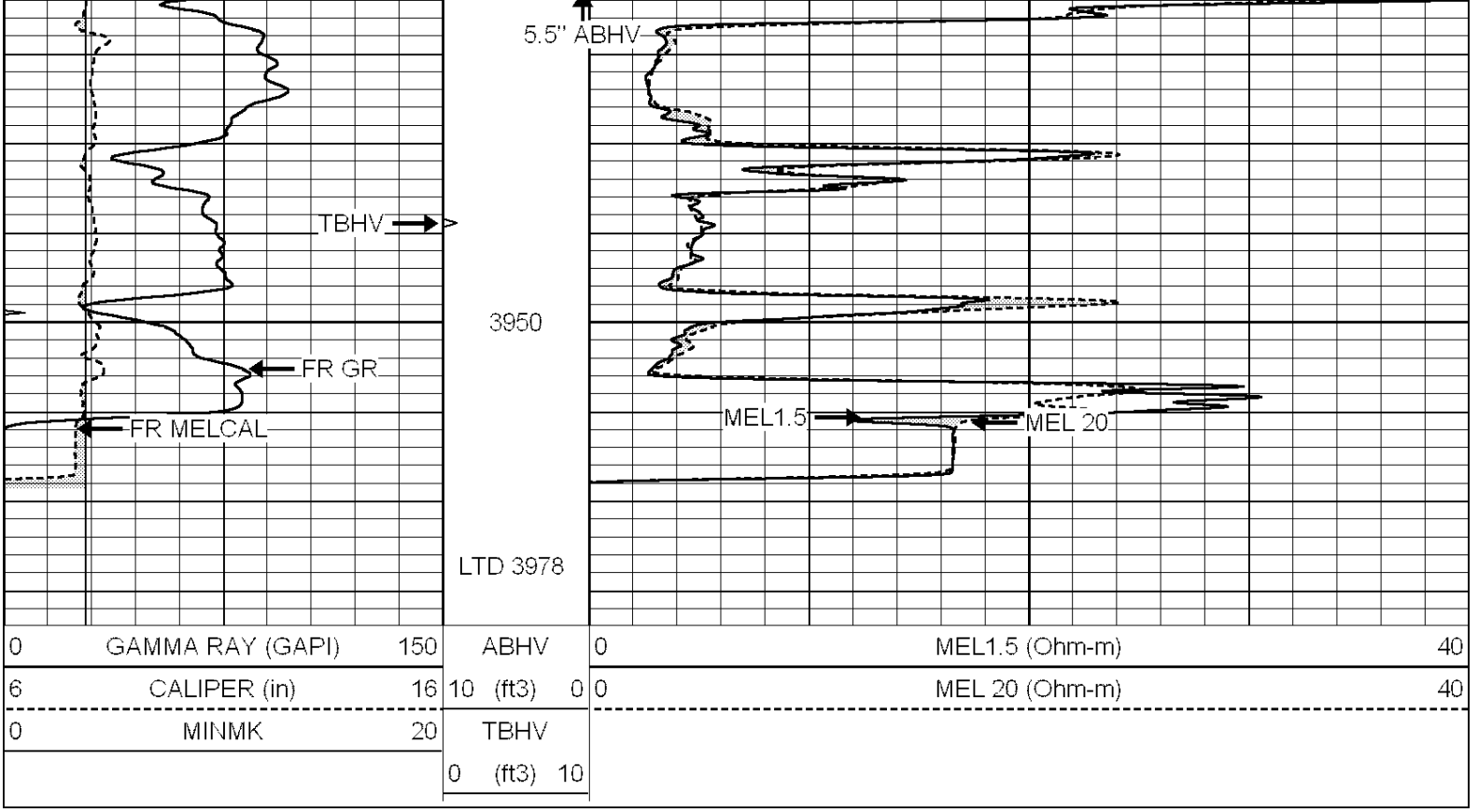
Database File:	3349ddn.db
Dataset Pathname:	pass6.3
Presentation Format:	micro
Dataset Creation:	Wed Mar 06 16:31:08 2019
Charted by:	Depth in Feet scaled 1:240

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



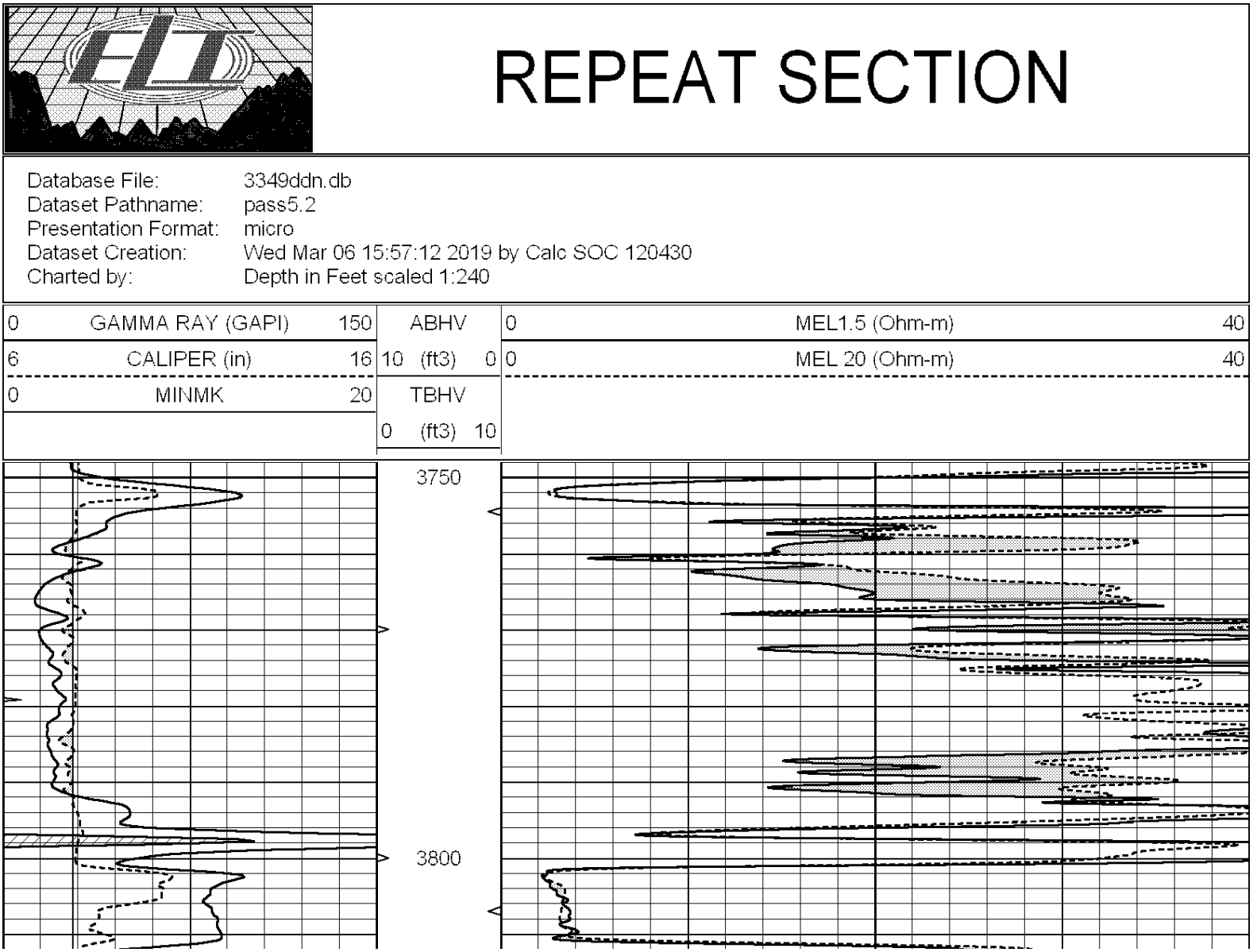

3500
3550
3600
3650

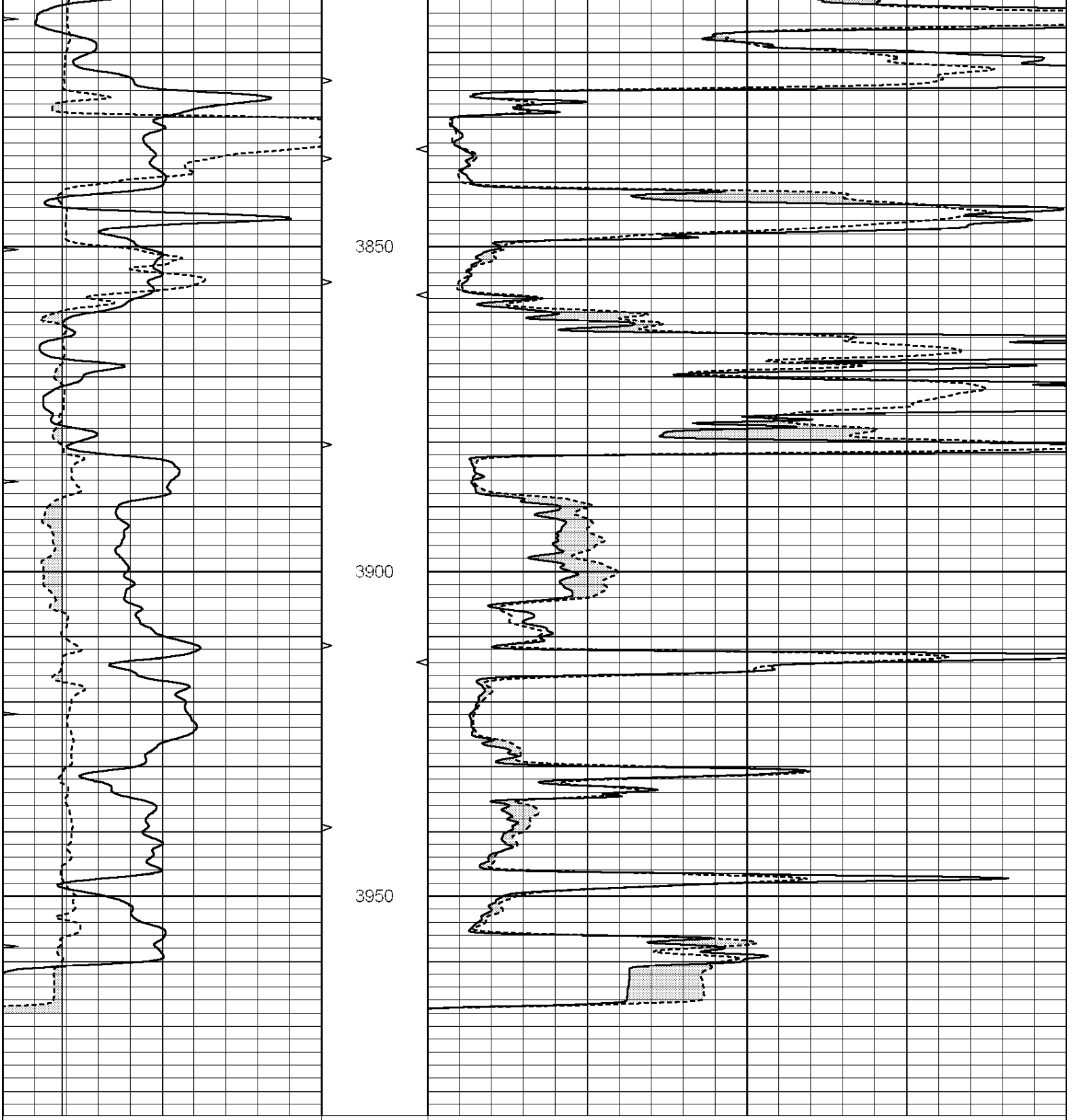

3700
3750
3800
3850
3900



REPEAT SECTION

Database File: 3349ddn.db
Dataset Pathname: pass5.2
Presentation Format: micro
Dataset Creation: Wed Mar 06 15:57:12 2019 by Calc SOC 120430
Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 3349ddn.db
Dataset Pathname: pass6.3
Dataset Creation: Wed Mar 06 16:31:08 2019

MICRO Calibration Report

Serial Number:	070911	
Tool Model:	ProbeN	
Performed:	Tue Mar 05 13:34:56 2019	
Caliper Calibration:	Gain=5.655	Offset=1.862
	Low Cal	High Cal
References	7.800	16.000
Readings	1.050	2.500
1.5" Calibration:	Gain=25.000	Offset=-0.500
	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	1.240
2" Calibration:	Gain=60.000	Offset=-3.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	1.076

Gamma Ray Calibration Report

Serial Number:	110959	
Tool Model:	OPEN_GR	
Performed:	Sun Feb 24 15:46:09 2019	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2400	GAPI/cps