MICRO LOG

Company RAYMOND OIL COMPANY, INC.
Well #1 Z. BAIRD
Field L.D.
County THOMAS State KANSAS

Location: API # : 15-193-21002-0000
953' FSL & 2299' FEL
NW - SW - SE
SEC 30 TWP 6S RGE 35W

Permanent Datum GROUND LEVEL Elevation 3278
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL
DIL

Elevation
K.B. 3283
D.F. 3281
G.L. 3278

Date	10/22/17		
Run Number	TWO		
Depth Driller	4814		
Depth Logger	4814		
Bottom Logged Interval	4812		
Top Log Interval	3500		
Casing Driller	8 5/8"@302'		
Casing Logger	302		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,000 PPM	
Density / Viscosity	9.3/58		
pH / Fluid Loss	10.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.600@90F		
Rmf @ Meas. Temp	.450@90F		
Rmc @ Meas. Temp	.720@90F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.435@124F		
Time Circulation Stopped	4.5 HOURS		
Time Logger on Bottom	6:15 P.M.		
Maximum Recorded Temperature	124F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KIM SHOEMAKER		

<<< Fold Here >>>

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.

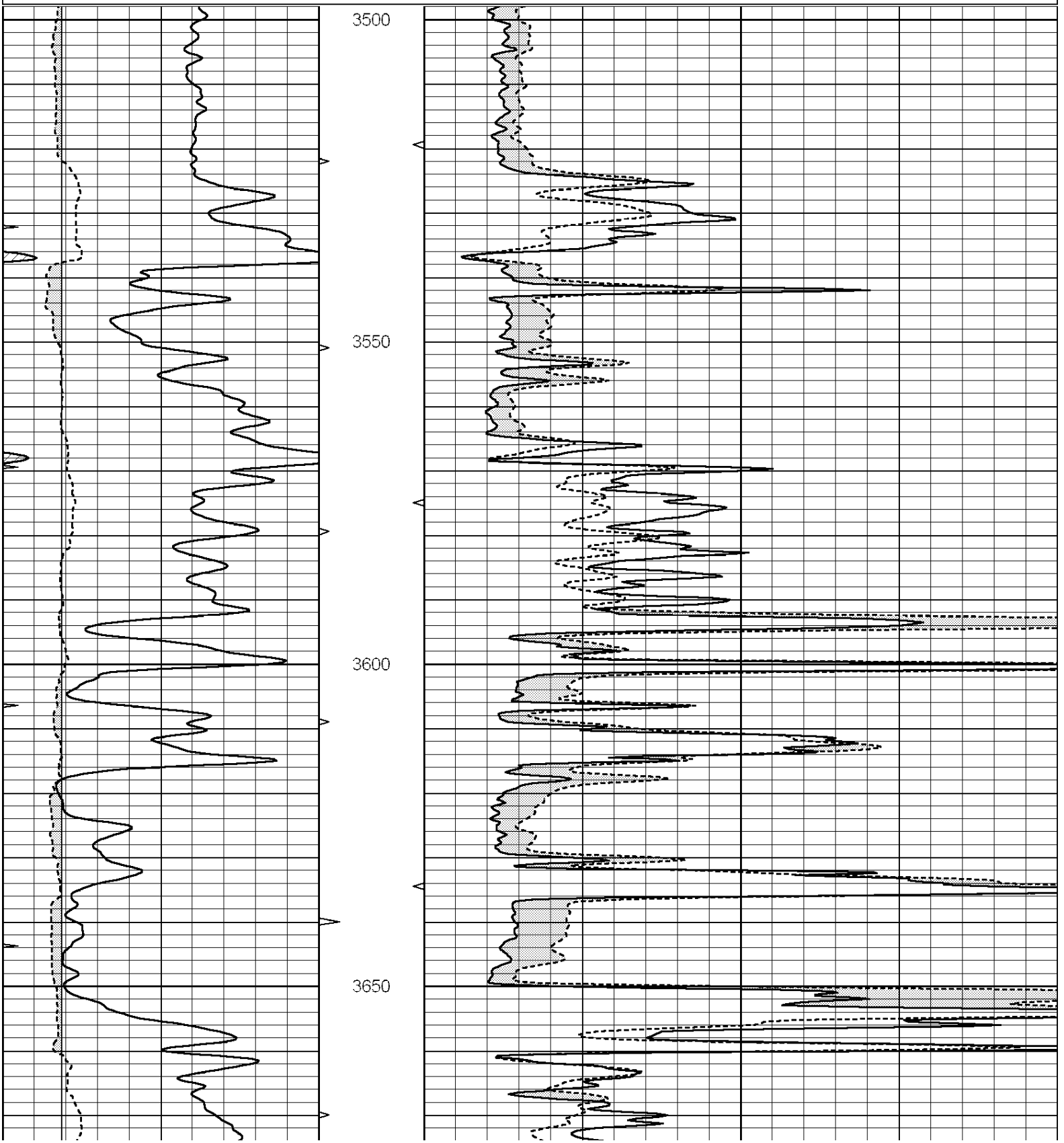
Comments

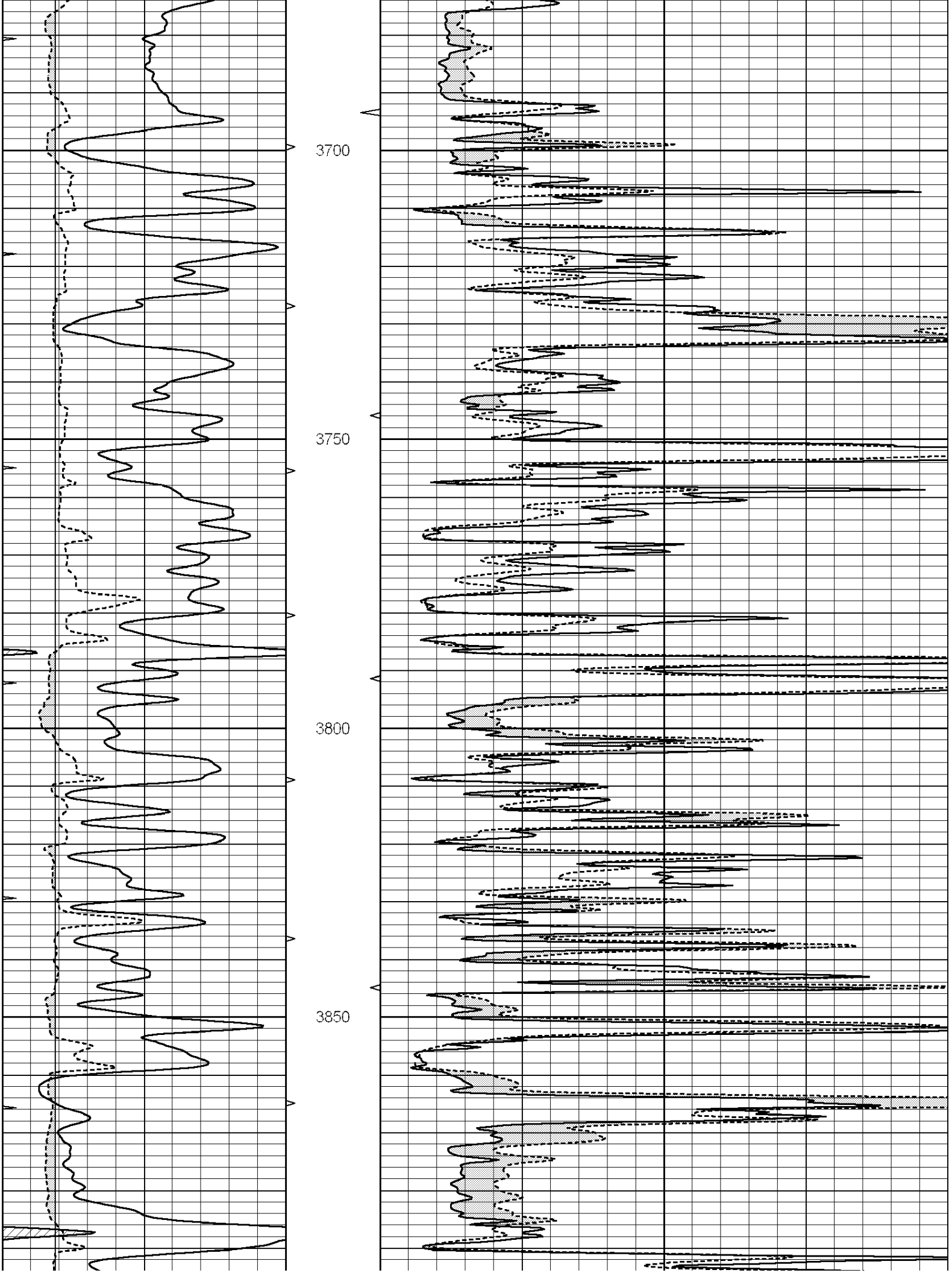
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
(EXIT 45) LEVANT & I-70, 9N. TO "RD. Z", 3 1/2W., N. INTO AT TANK BATTERY

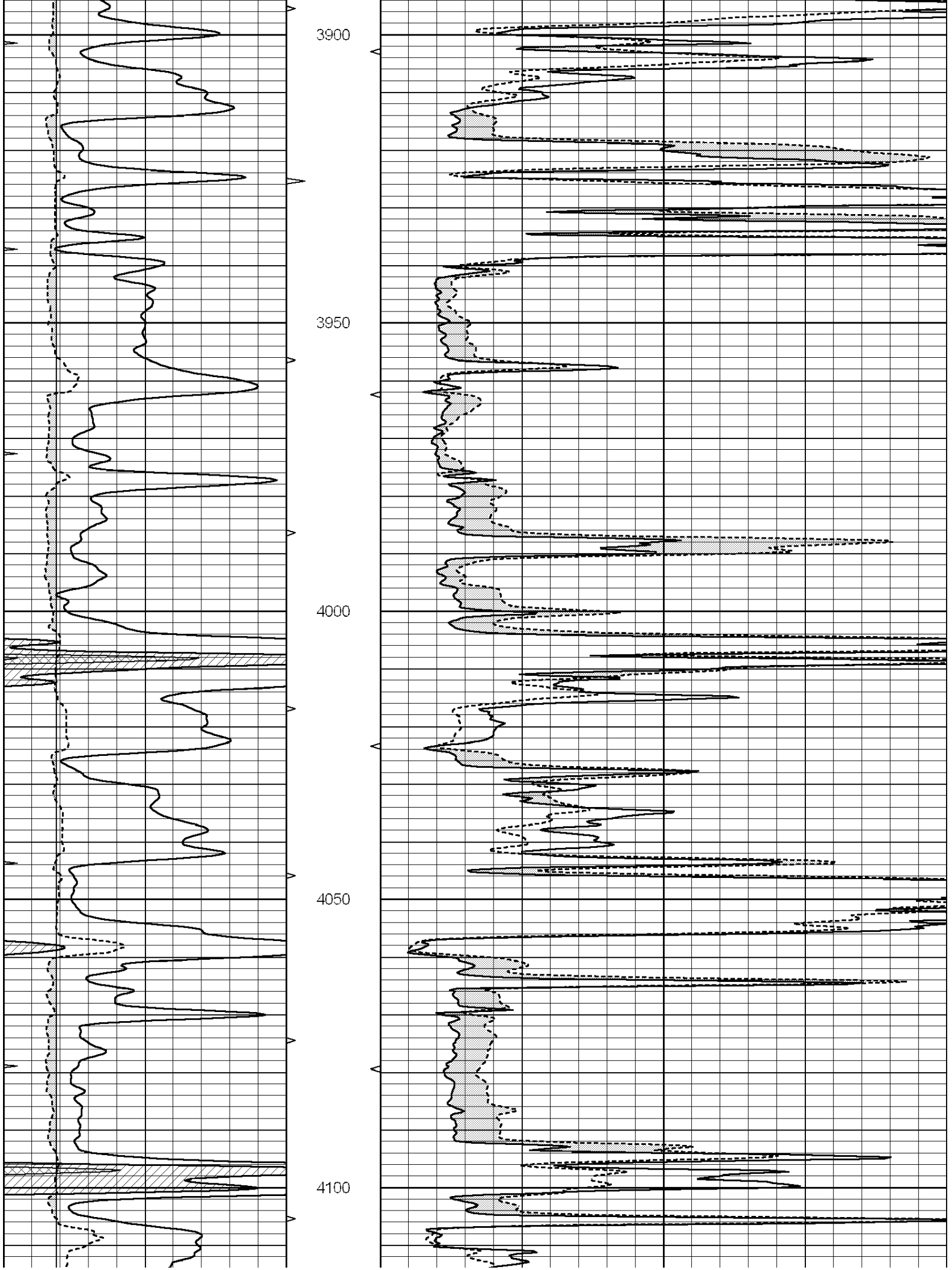
MAIN SECTION

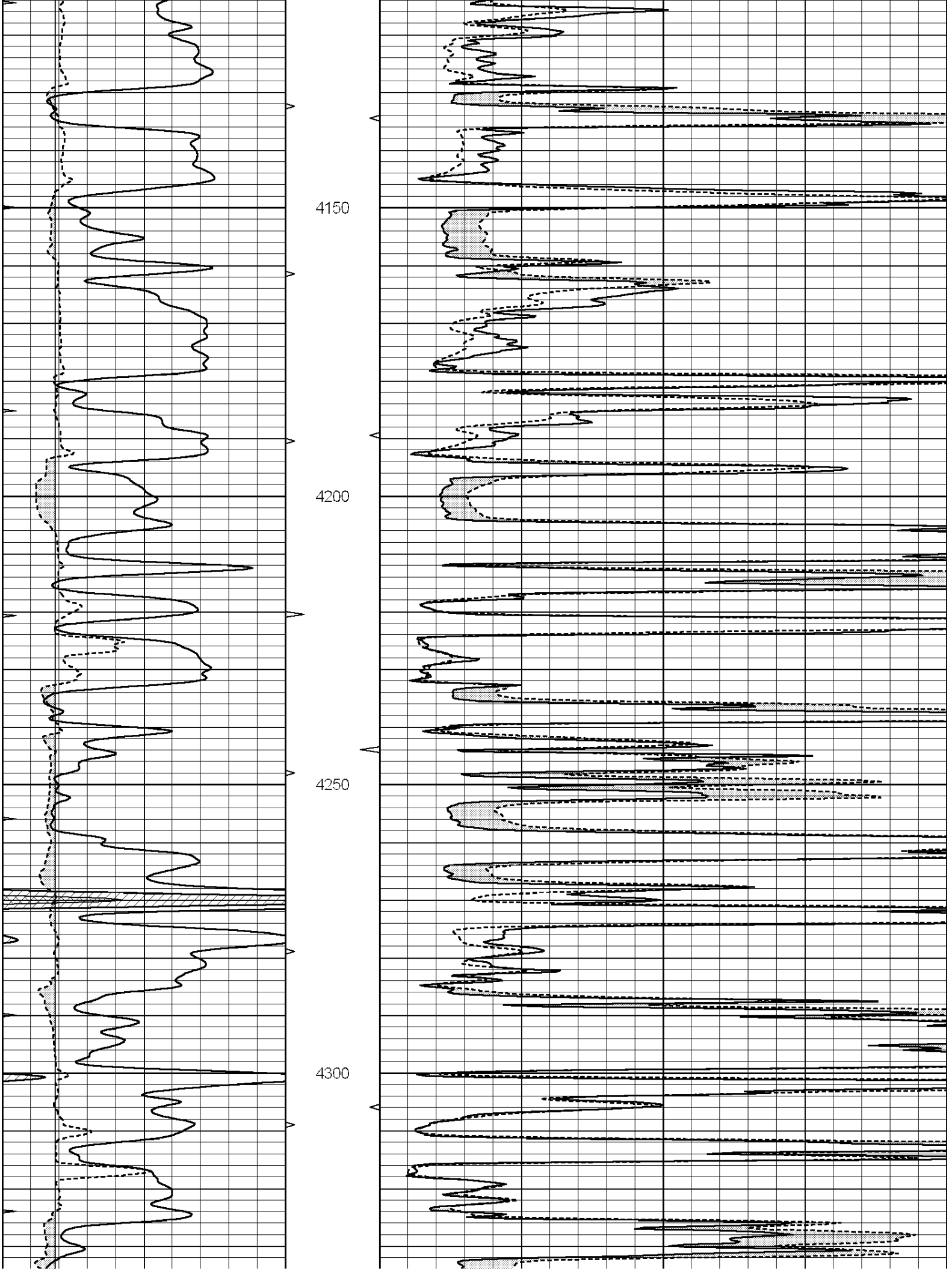
Database File:	1834ddn.db
Dataset Pathname:	pass6.4
Presentation Format:	micro
Dataset Creation:	Sun Oct 22 19:21:45 2017
Charted by:	Depth in Feet scaled 1:240

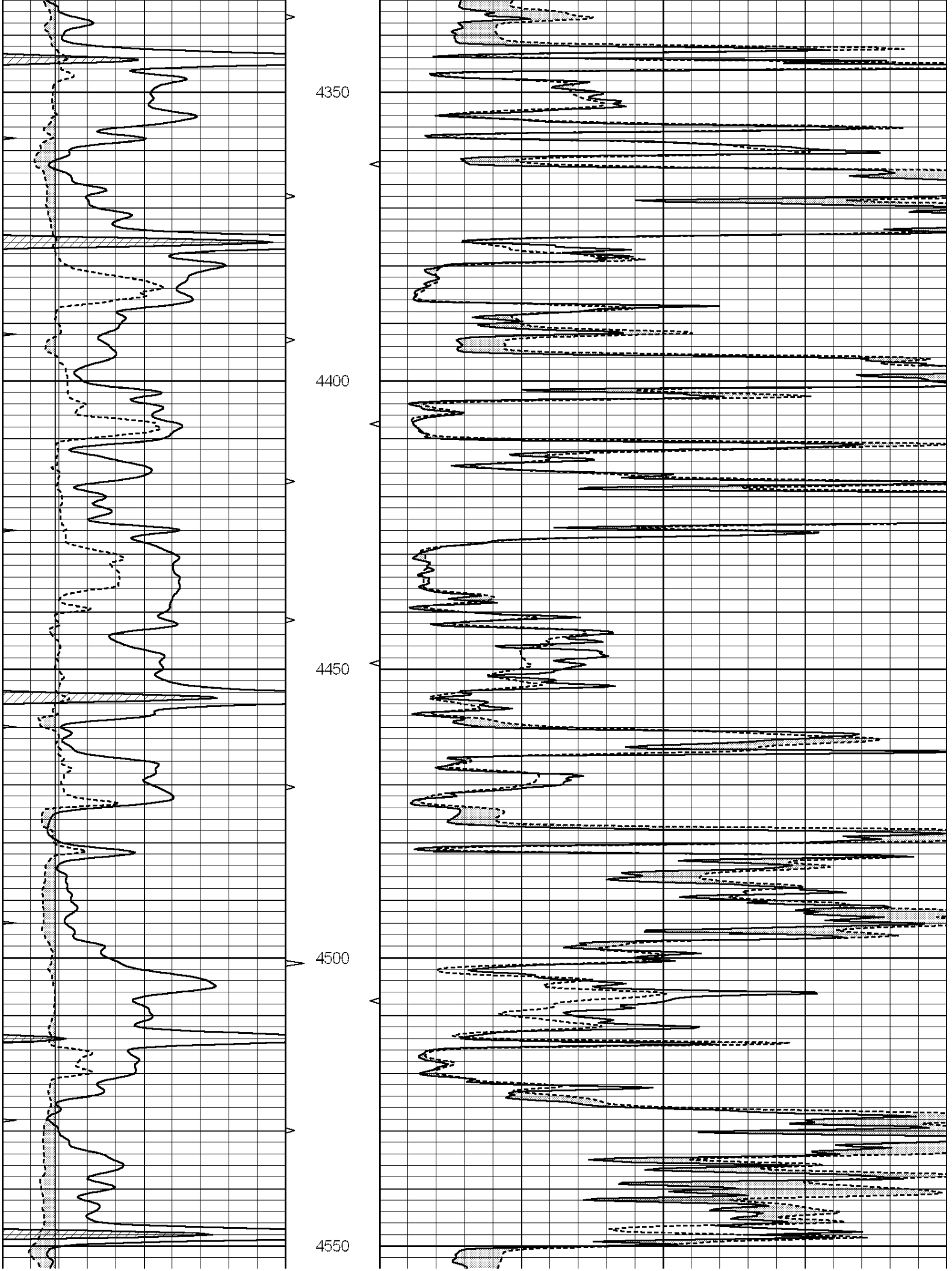
0	GAMMA RAY (GAPI) 150	ABHV		0	MEL1.5 (Ohm-m) 40
6	CALIPER (in) 16	10 (ft3) 0		0	MEL 20 (Ohm-m) 40
0	MINMK 20	TBHV			
		0 (ft3) 10			

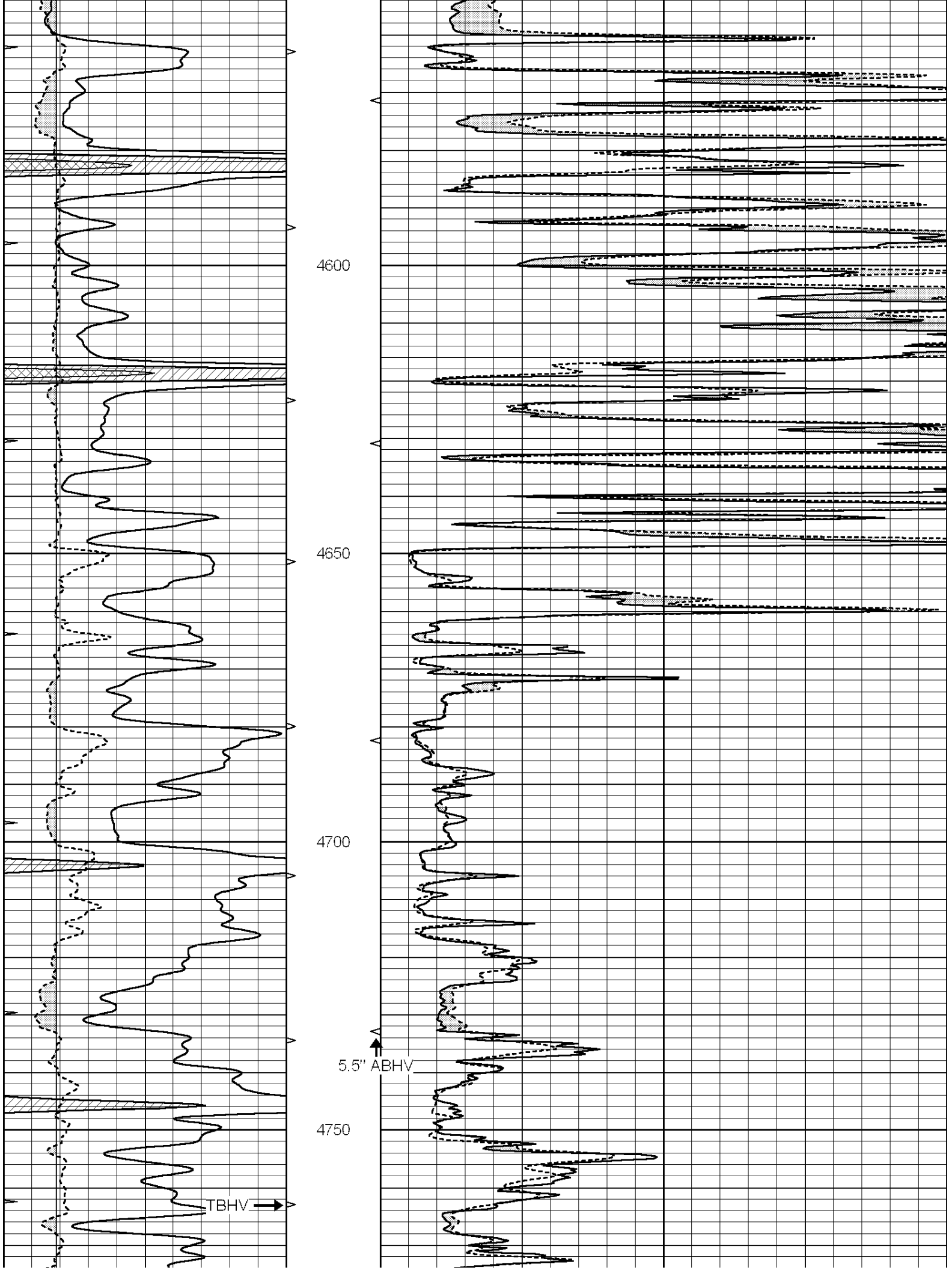


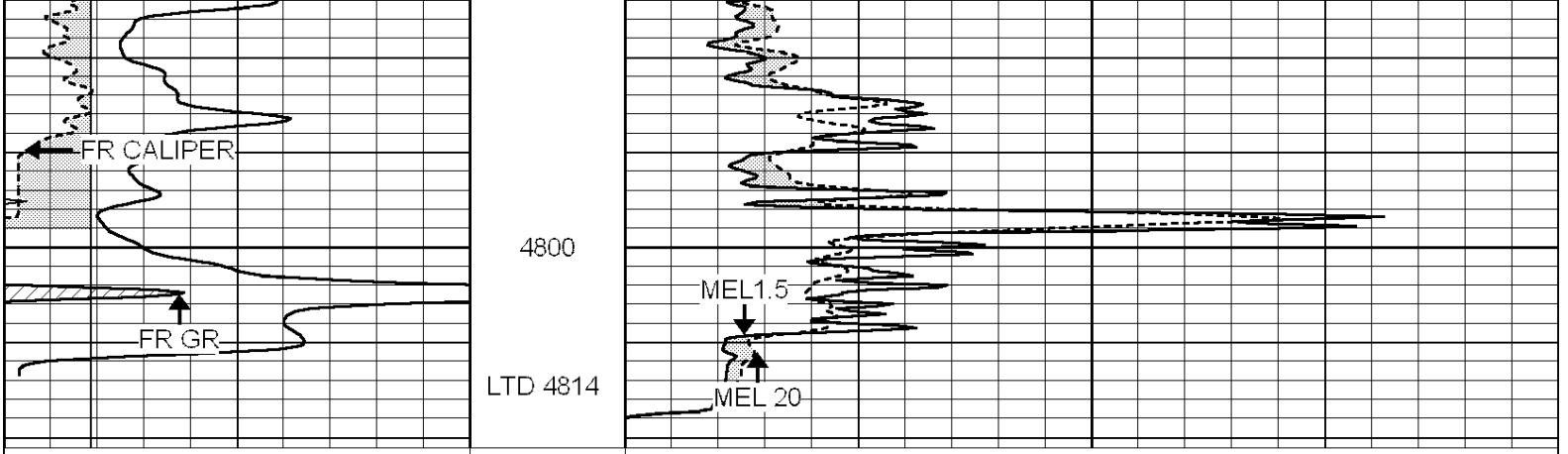

3700
3750
3800
3850


3900
3950
4000
4050
4100


4150
4200
4250
4300


4350
4400
4450
4500
4550


4600
4650
4700
5.5" ABHV
4750
TBHV

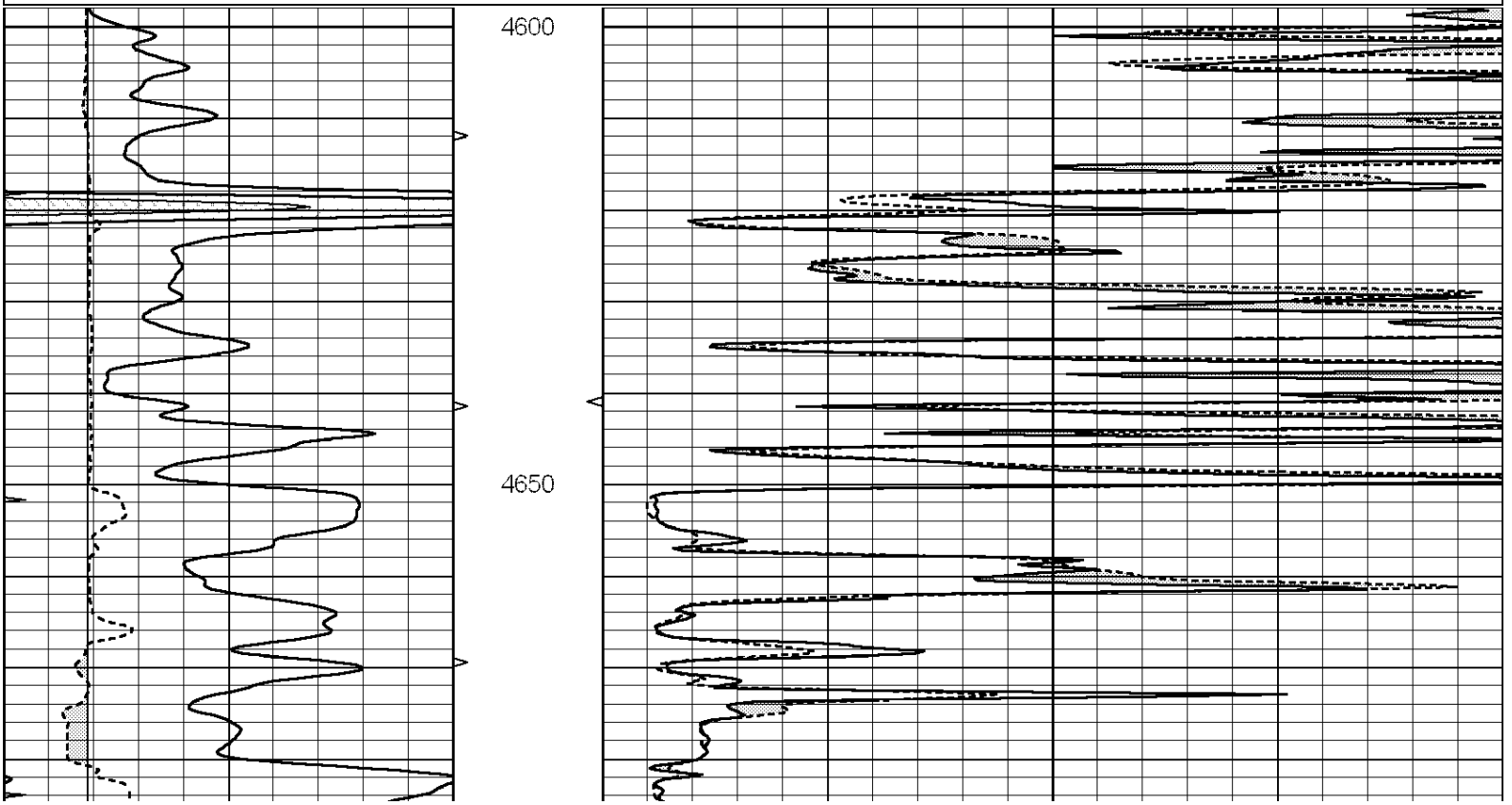


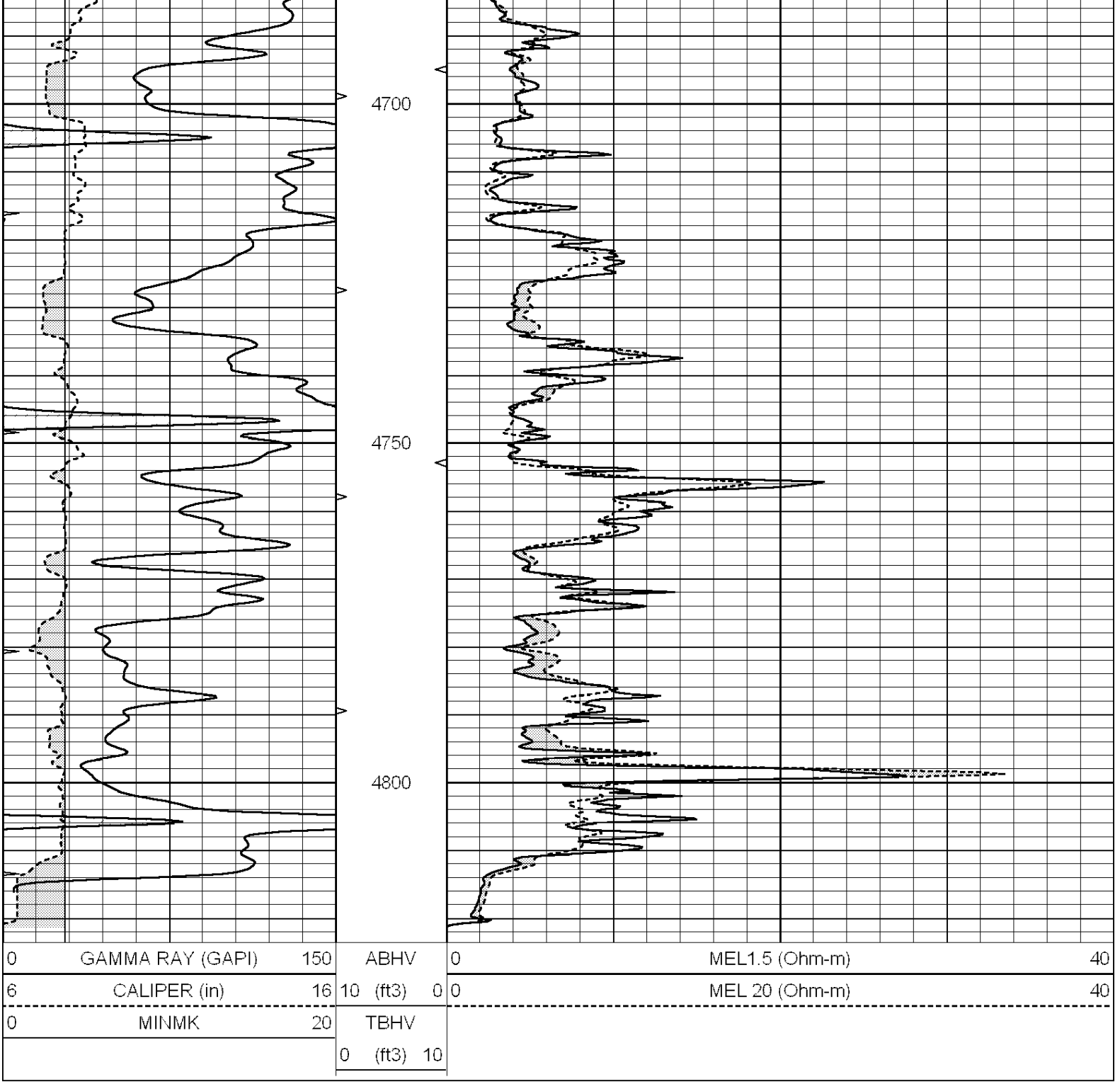
0	GAMMA RAY (GAPI) 150		ABHV	0	MEL1.5 (Ohm-m) 40
6	CALIPER (in) 16	10	(ft3) 0	0	MEL 20 (Ohm-m) 40
0	MINMK 20		TBHV		
		0	(ft3) 10		

REPEAT SECTION

Database File: 1834ddn.db
Dataset Pathname: pass5.2
Presentation Format: micro
Dataset Creation: Sun Oct 22 18:34:52 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	0	MEL 20 (Ohm-m) 40
0	MINMK 20		TBHV		
		0	(ft3) 10		





Calibration Report

Database File: 1834ddn.db
Dataset Pathname: pass6.4
Dataset Creation: Sun Oct 22 19:21:45 2017

MICRO Calibration Report

Serial Number:	070912	
Tool Model:	ProbeN	
Performed:	Sun Oct 22 18:33:50 2017	
Caliper Calibration:	Gain=2.790	Offset=5.836
	Low Cal	High Cal
References	7.200	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:	0.2200	GAPI/cps