

MICRO LOG

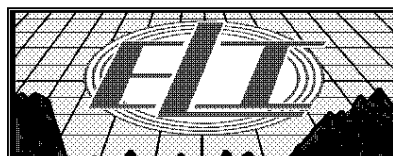
Company	L.D. DRILLING, INC.		
Well	#1-4 CRYSTAL		
Field	WILDCAT		
County	ELLIS	State	KANSAS
Location:	API # : 15-051-26945-0000		Other Services CDL/CNL DIL
740' FSL & 2380' FVL SE - NE - SE - SW SEC 4 TWP 11S RGE 16W			
Permanent Datum	GROUND LEVEL	Elevation	1854
Log Measured From	KELLY BUSHING 5' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Elevation			K.B. 1859 D.F. 1857 G.L. 1854
Date	4/24/19		
Run Number	TWO		
Depth Driller	3594		
Depth Logger	3595		
Bottom Logged Interval	3593		
Top Log Interval	2700		
Casing Driller	8 5/8"@261'		
Casing Logger	261		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,200 PPM	
Density / Viscosity	9.3/46		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.400@80F		
Rinf @ Meas. Temp	.300@80F		
Rmc @ Meas. Temp	.480@80F		
Source of Rinf / Rmc	MEASUREMENT		
Rim @ BHT	.286@112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	1:45 A.M.		
Maximum Recorded Temperature	112F		
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

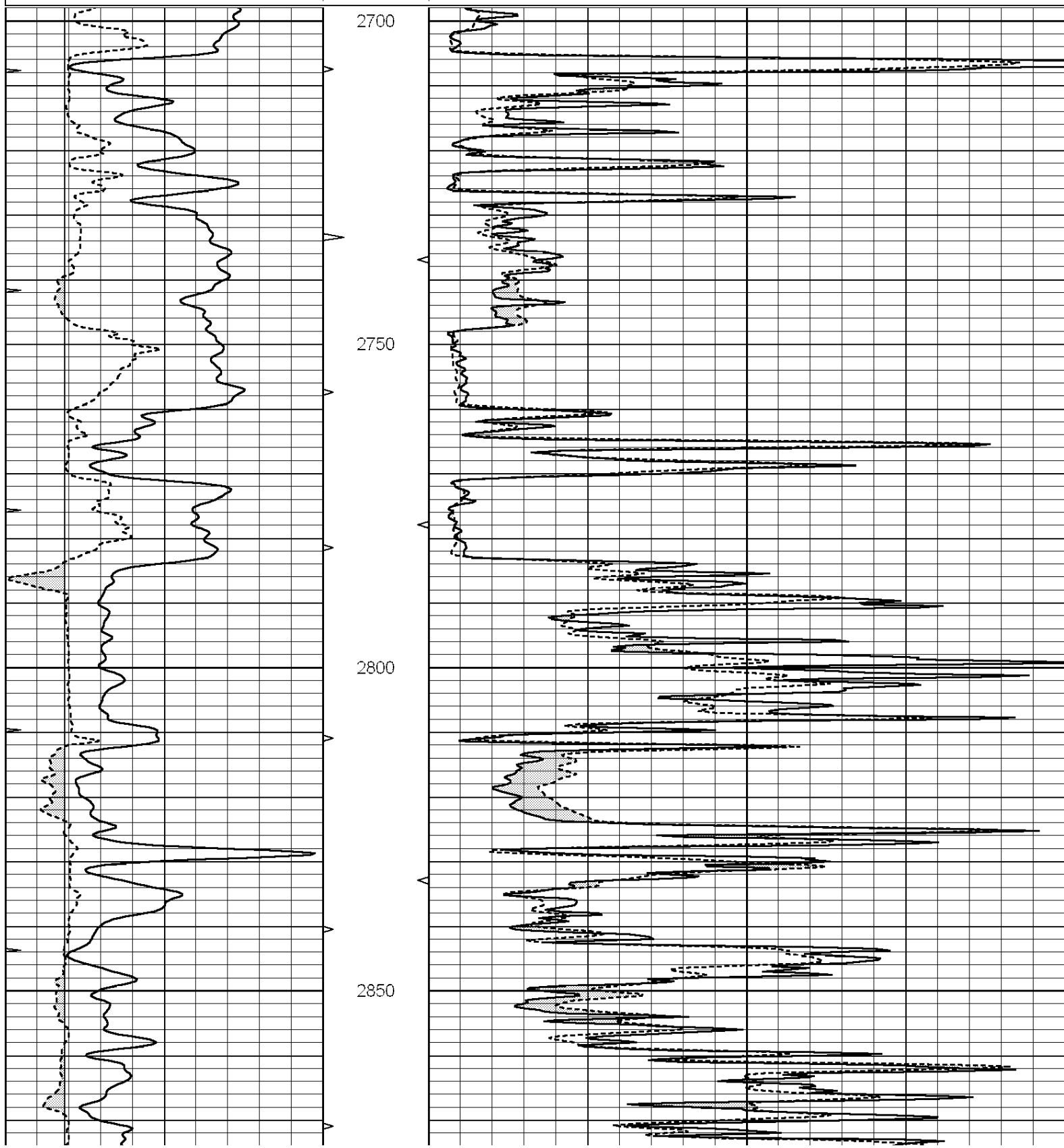
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
HAYS, KS., N. ON HWY 183 TO "RIVER RD.", 11E. TO T, 2N. ON VINCENT RD. FOLLOW CURVES, E.
INTO GATE

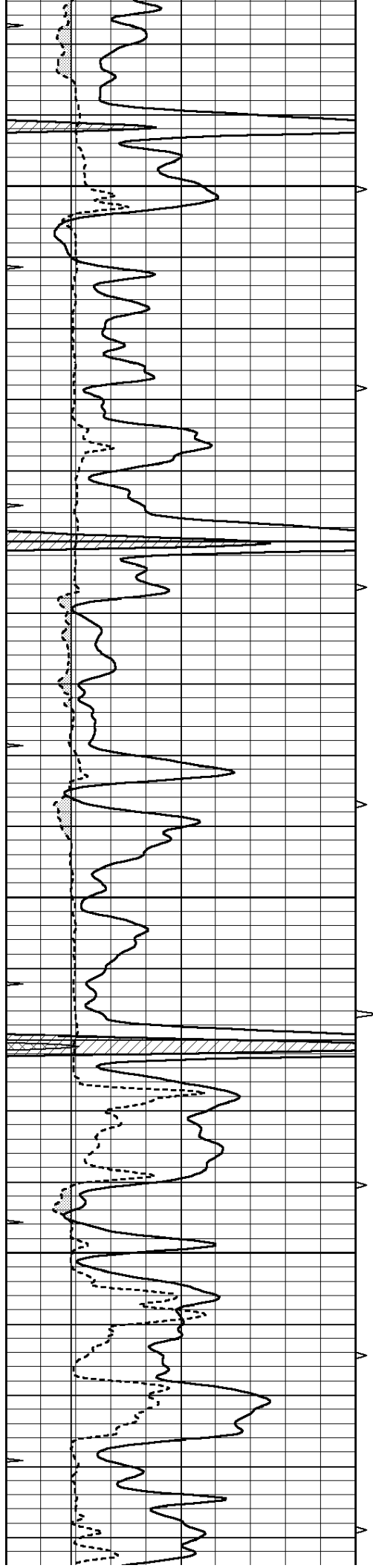


MAIN SECTION

Database File: 3615ddn.db
 Dataset Pathname: pass6.2
 Presentation Format: micro
 Dataset Creation: Thu Apr 25 02:04:36 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		



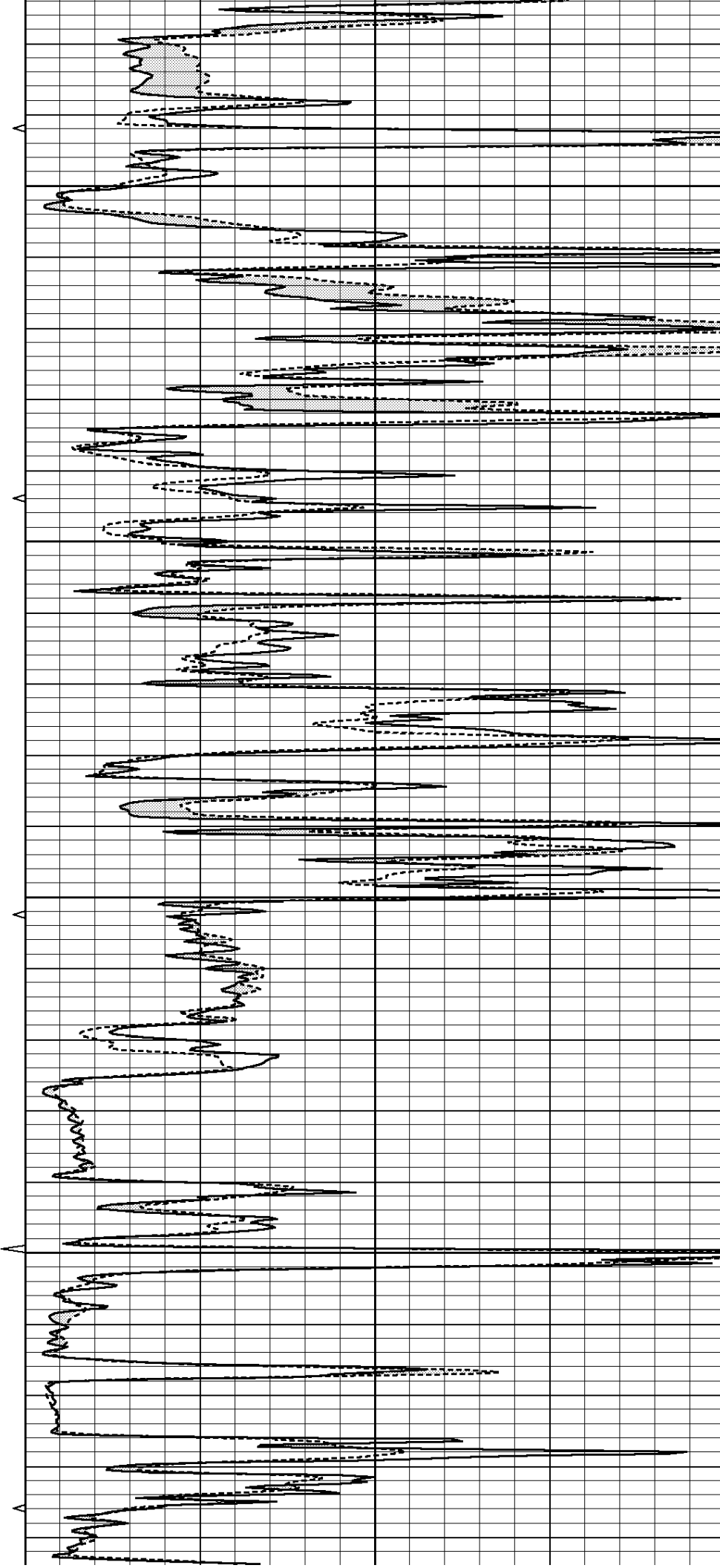


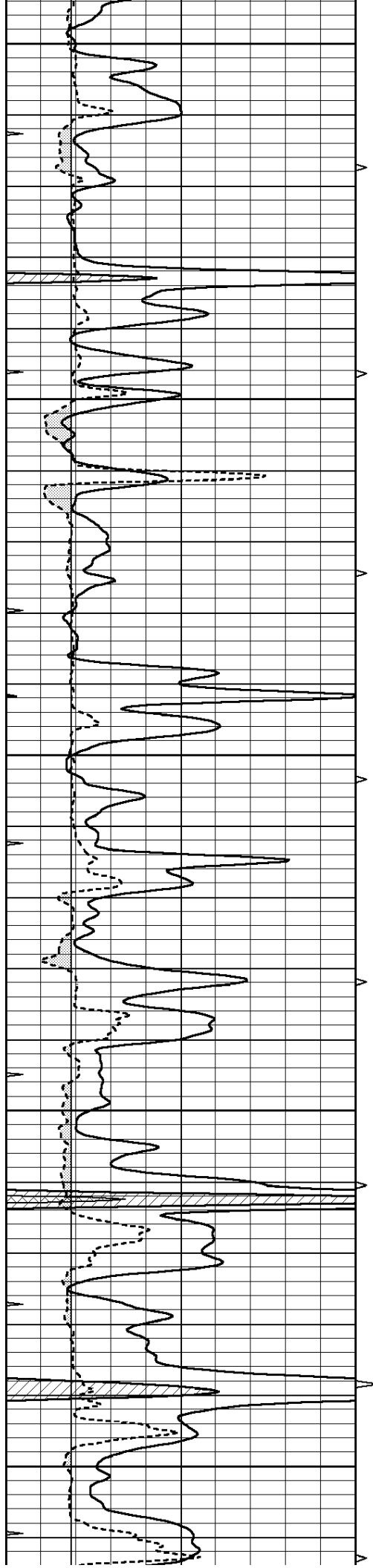
2900

2950

3000

3050





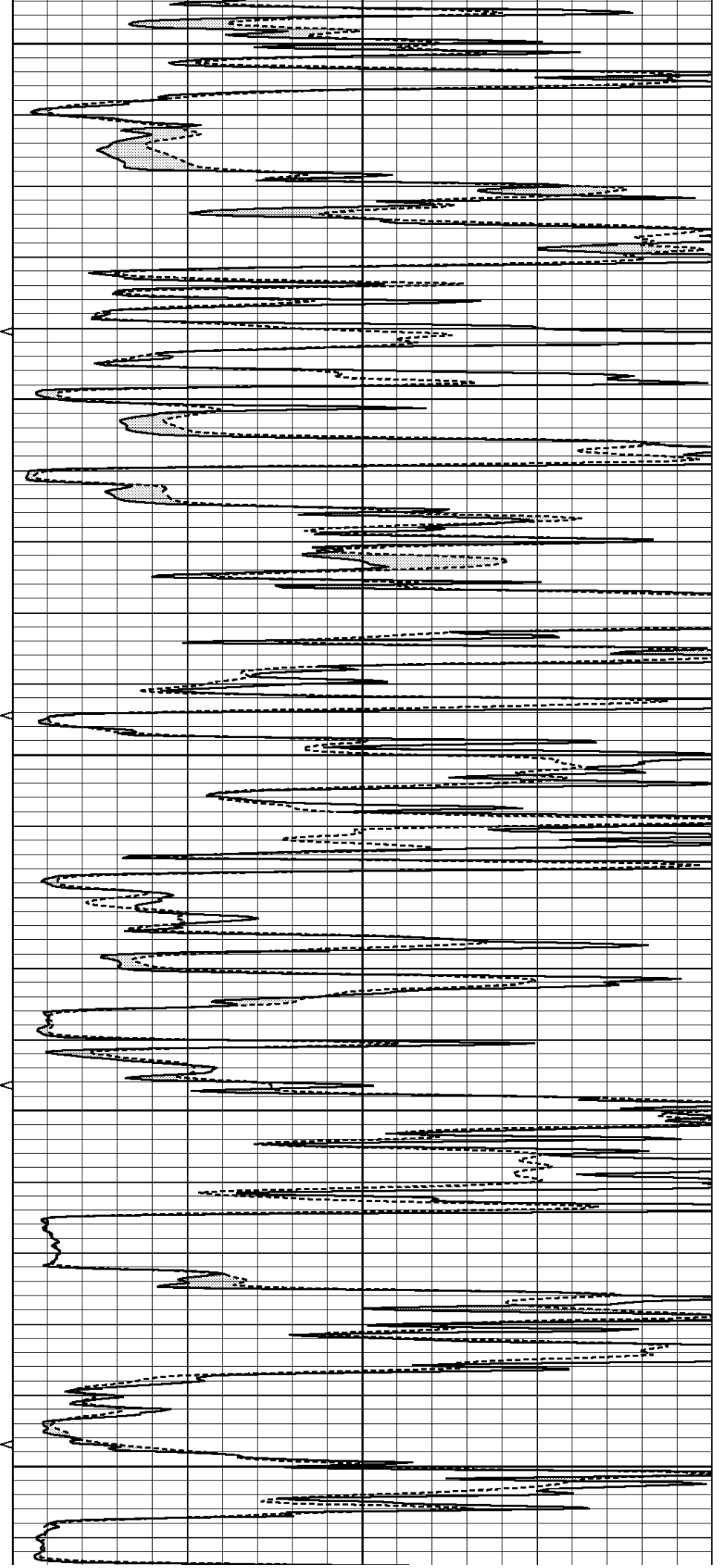
3100

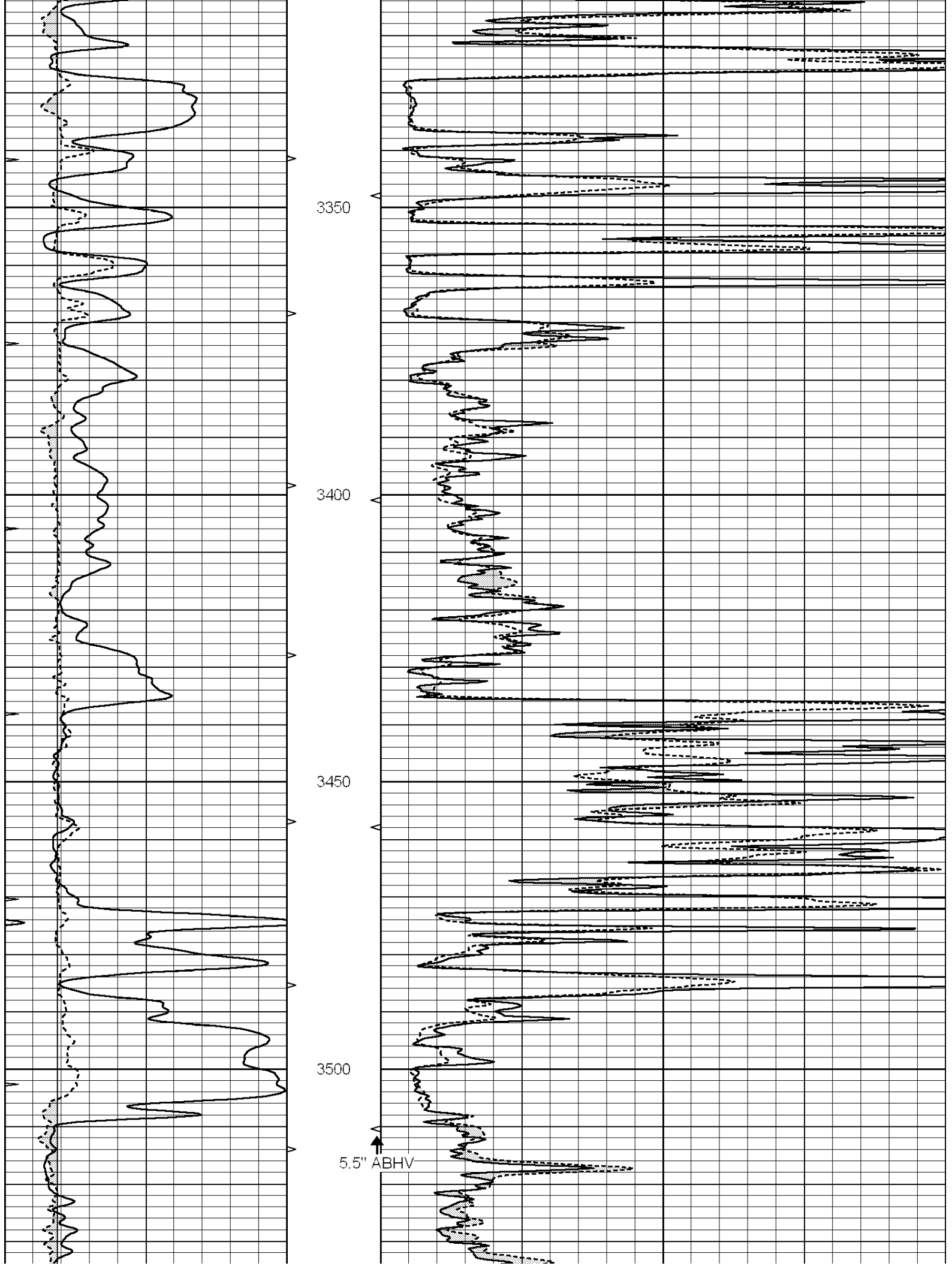
3150

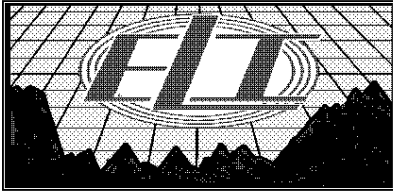
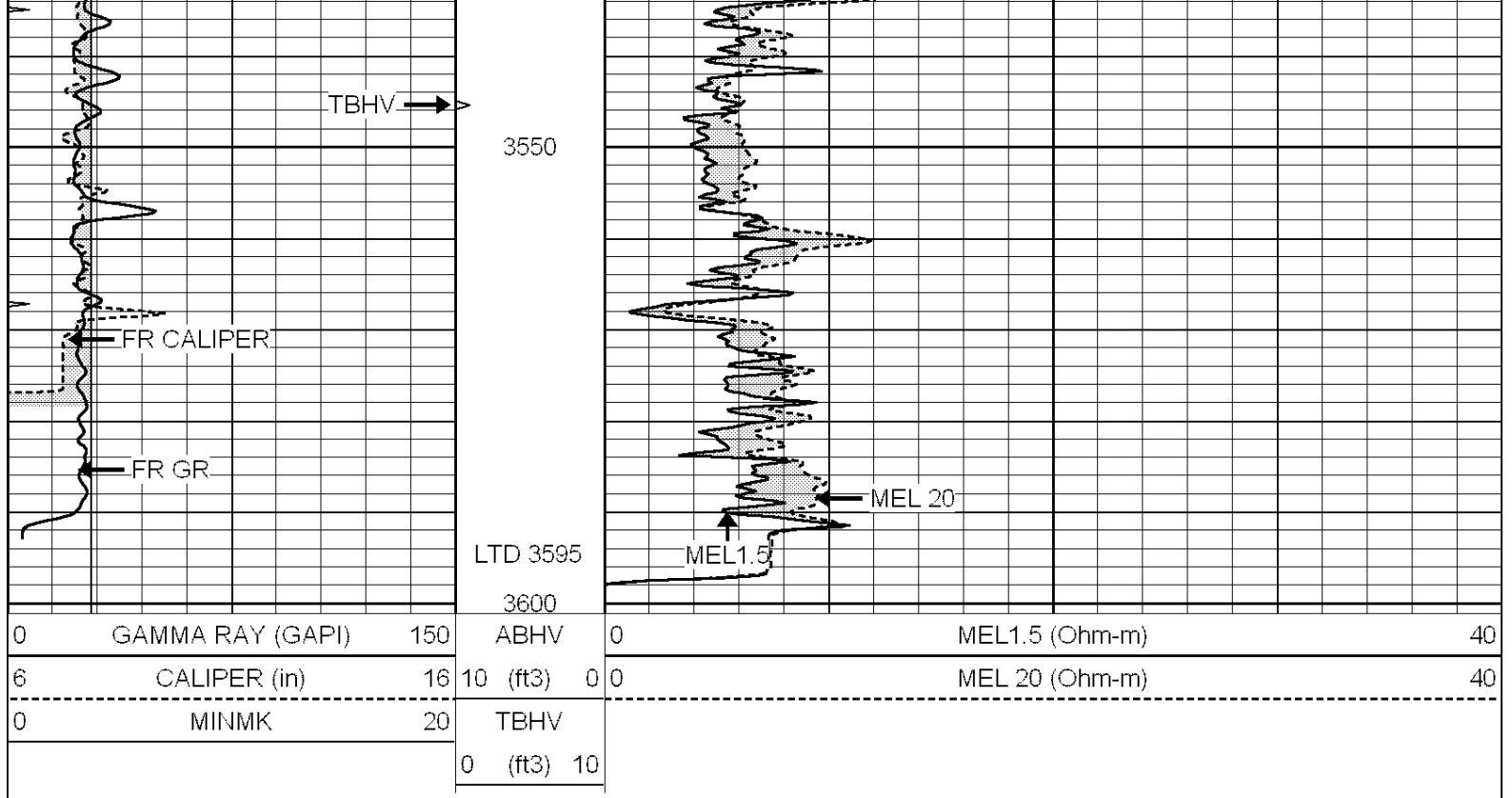
3200

3250

3300

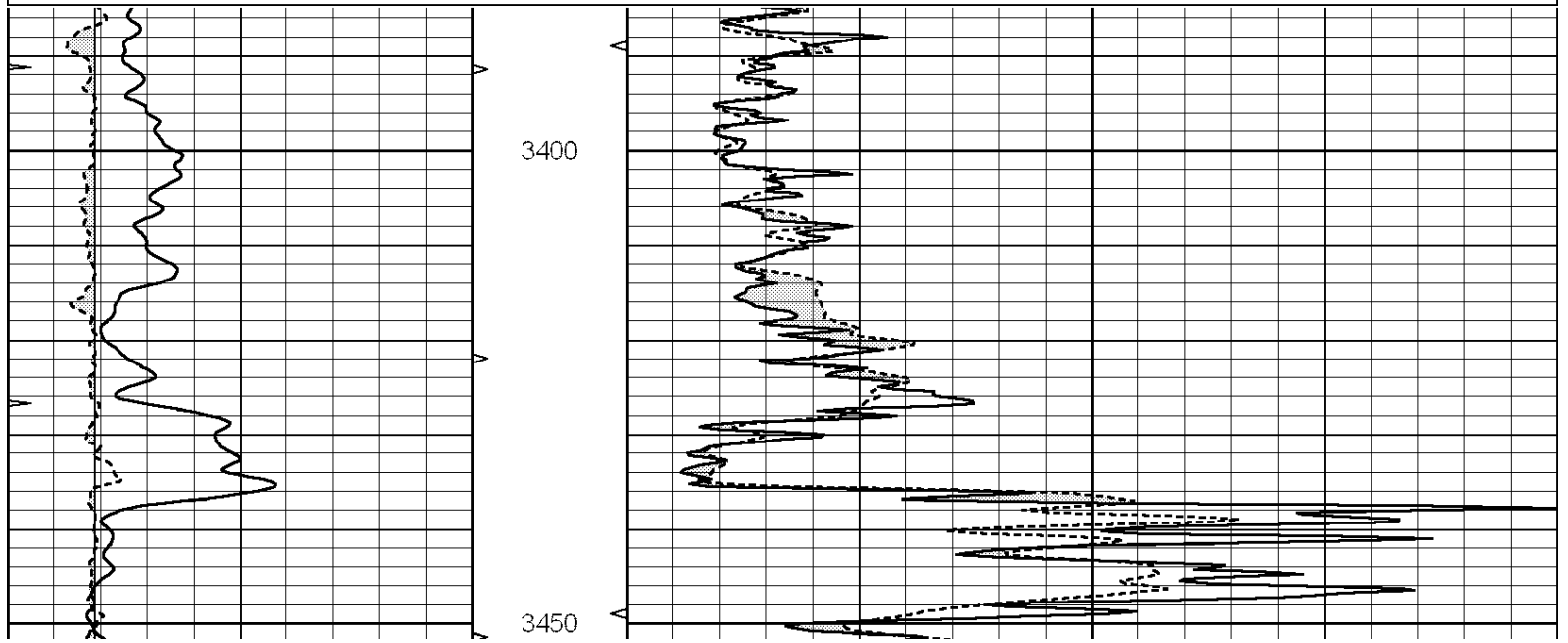
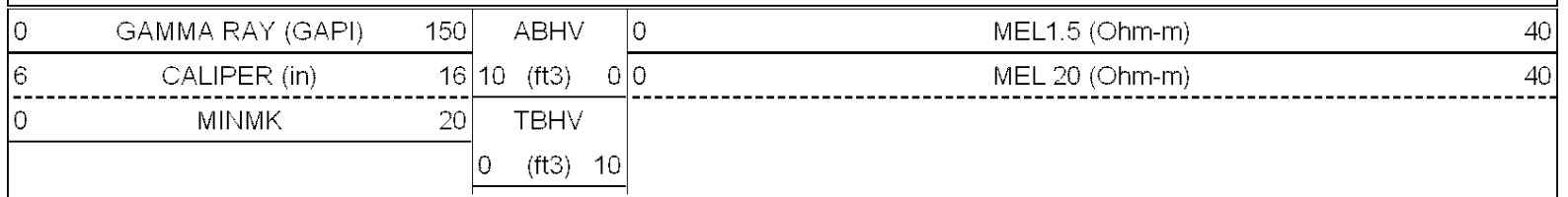


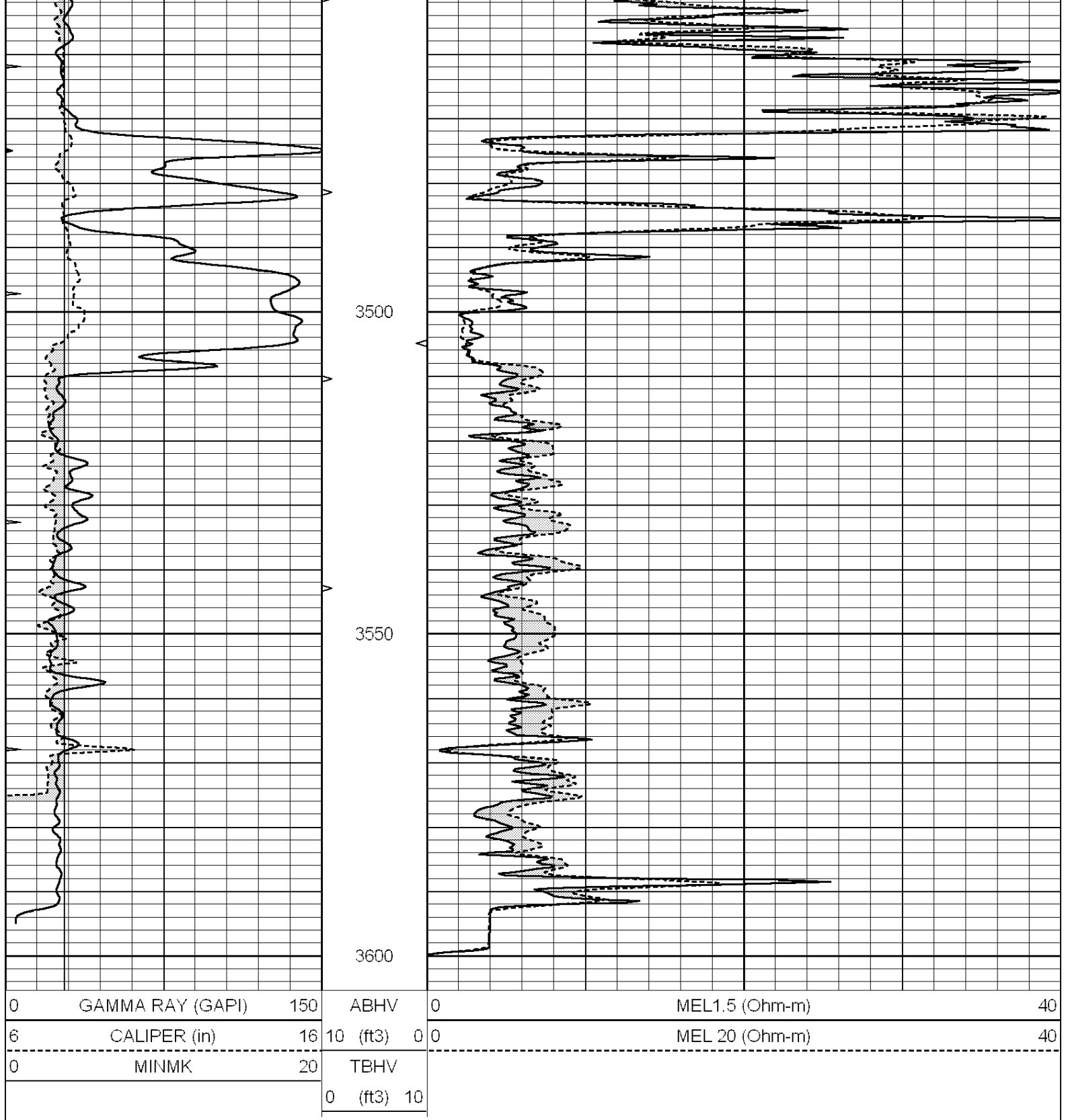




REPEAT SECTION

Database File: 3615ddn.db
 Dataset Pathname: pass5.2
 Presentation Format: micro
 Dataset Creation: Thu Apr 25 01:33:25 2019
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 3615ddn.db
Dataset Pathname: pass6.2
Dataset Creation: Thu Apr 25 02:04:36 2019

MICRO Calibration Report

Serial Number: 070910
Tool Model: ProbeN
Performed: Thu Apr 25 01:28:55 2019

Caliper Calibration: Gain=4.250 Offset=1.850

References	Low Cal	High Cal
Readings	7.800	18.000
	1.400	3.800
1.5" Calibration:	Gain=32.000	Offset=0.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.000	1.216
2" Calibration:	Gain=50.000	Offset=-0.500
References	Low Cal	High Cal
Readings	0.000	20.000
	0.002	1.053
Gamma Ray Calibration Report		
Serial Number:	070559	
Tool Model:	OPEN_GR	
Performed:	Thu Apr 25 01:29:12 2019	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2400	GAPI/cps