MICRO LOG

Company	MAI OIL OPERATIONS, INC.
Well	PTACEK #2
Field	HALL - GURNEY
County	RUSSELL
State	KANSAS

Company MAI OIL OPERATIONS, INC.
Well PTACEK #2
Field HALL - GURNEY
County RUSSELL State KANSAS
Location: API # : 15-167-24090-0000
1890' FNL & 1460' FWL
SW - NW - SE - NW
SEC 16 TWP 15S RGE 12W

Other Services
CDL/CNL
DIL

Permanent Datum GROUND LEVEL Elevation 1813
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1821
D.F. 1819
G.L. 1813

Date	3/5/19		
Run Number	TWO		
Depth Driller	3315		
Depth Logger	3317		
Bottom Logged Interval	3315		
Top Log Interval	2100		
Casing Driller	8 5/8"@555'		
Casing Logger	558		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,000 PPM	
Density / Viscosity	9.5/52		
pH / Fluid Loss	10.0/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.700@60F		
Rmf @ Meas. Temp	.525@60F		
Rmc @ Meas. Temp	.840@60F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.382@110F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	12:15 P.M.		
Maximum Recorded Temperature	110F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KEITH REAVIS		

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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.

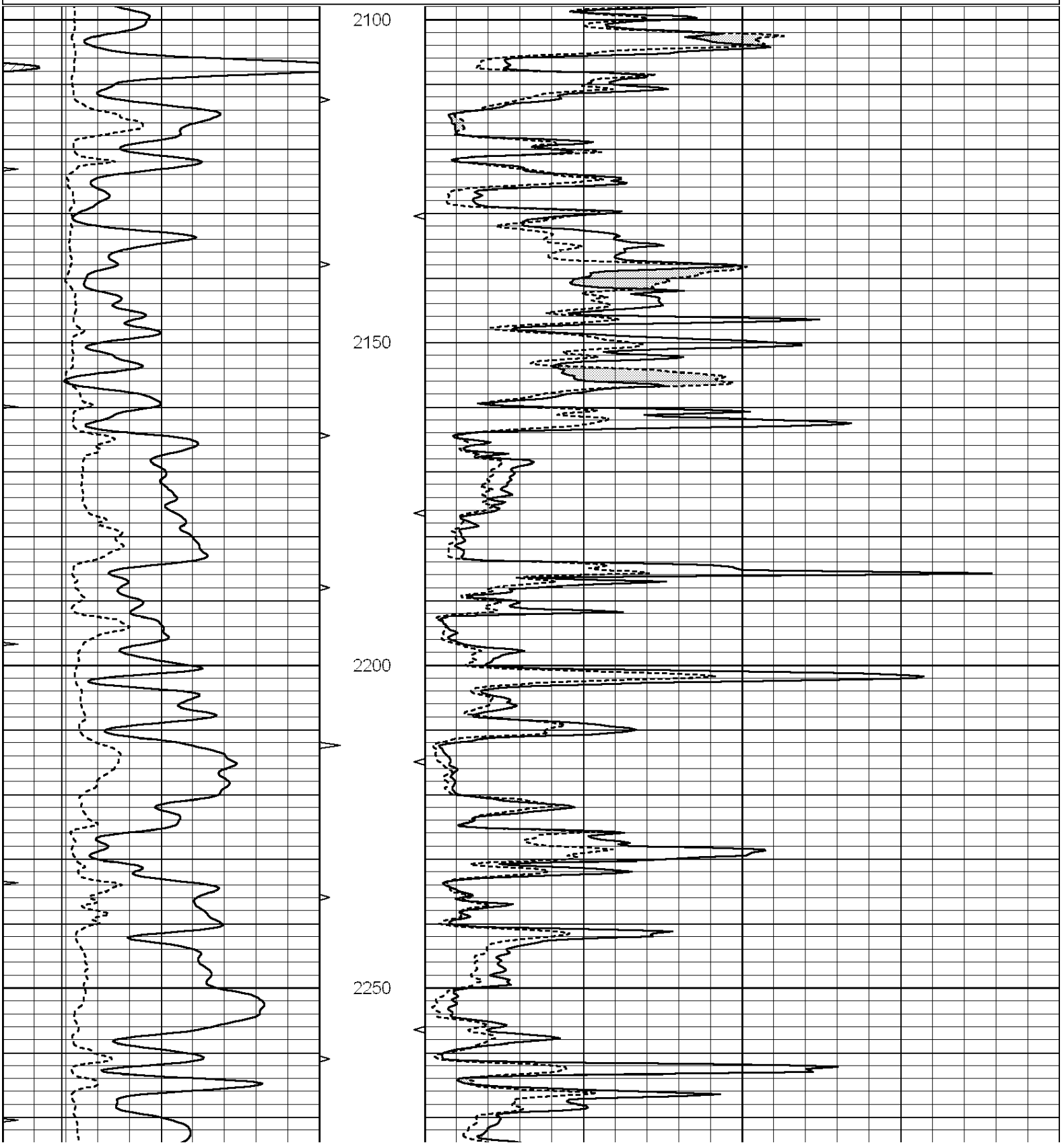
Comments

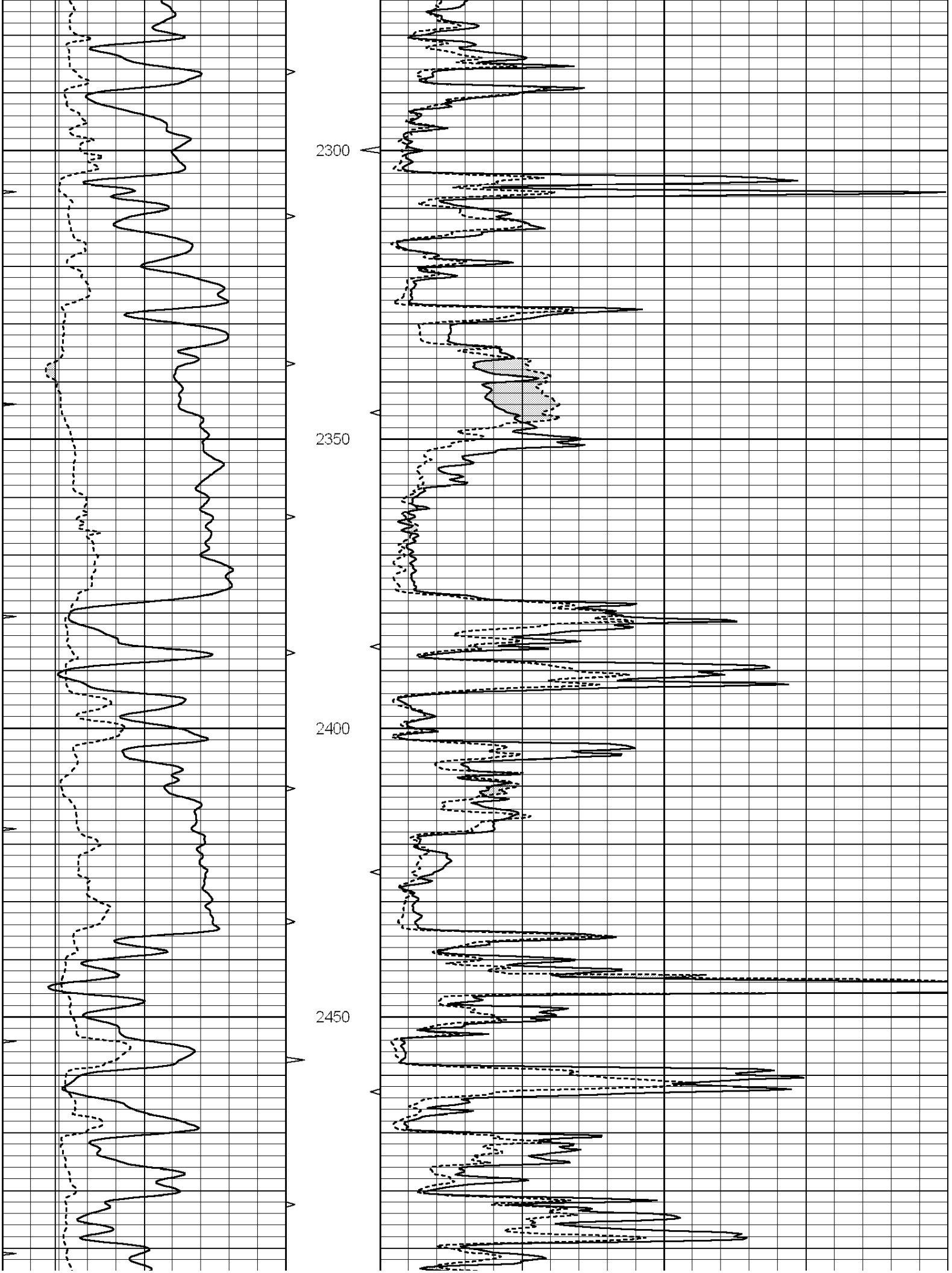
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
BUNKER HILL, KS. & I-70, 4S. TO "T", 2E., 3S., 1/2E., S. INTO

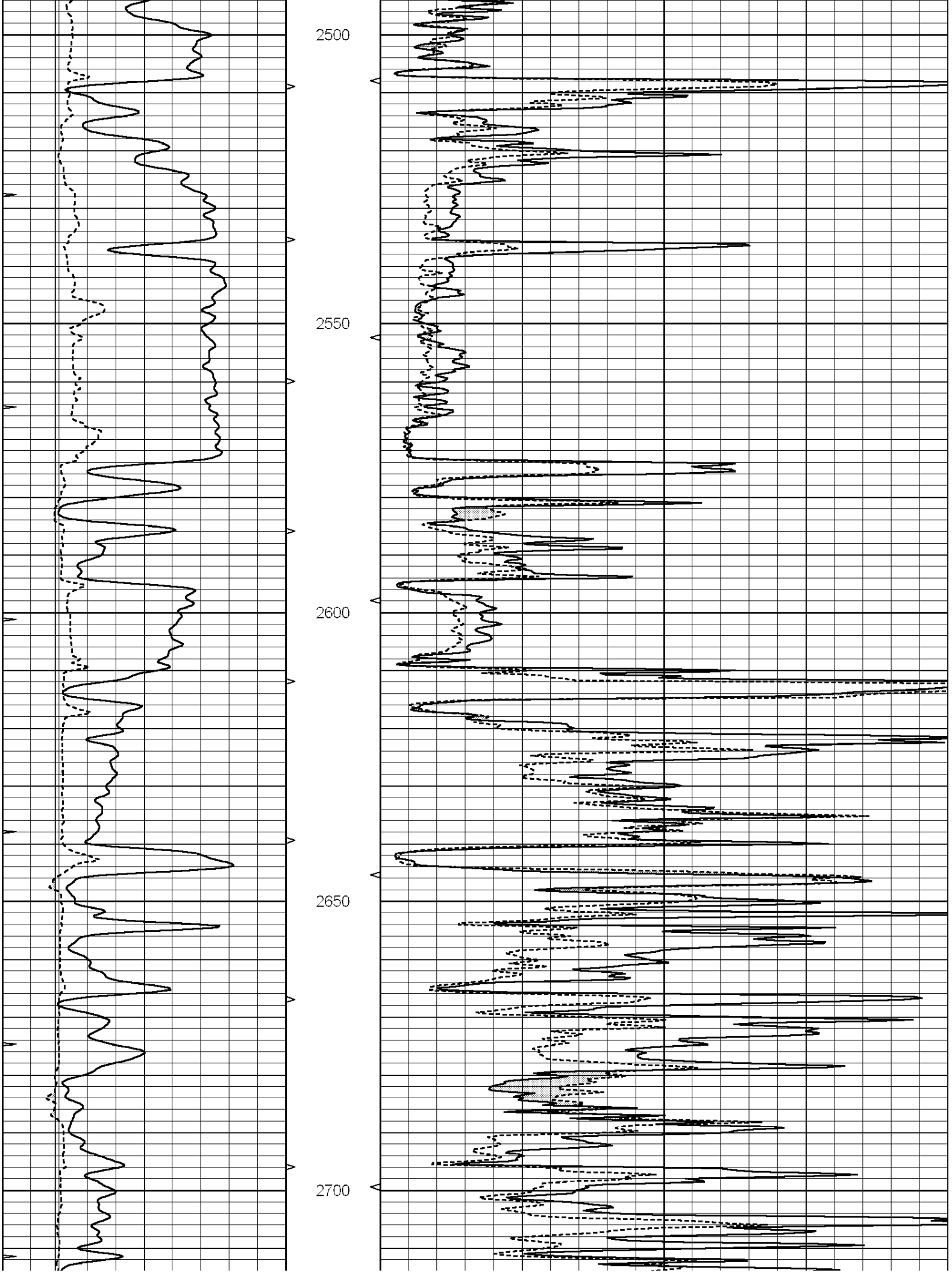
MAIN SECTION

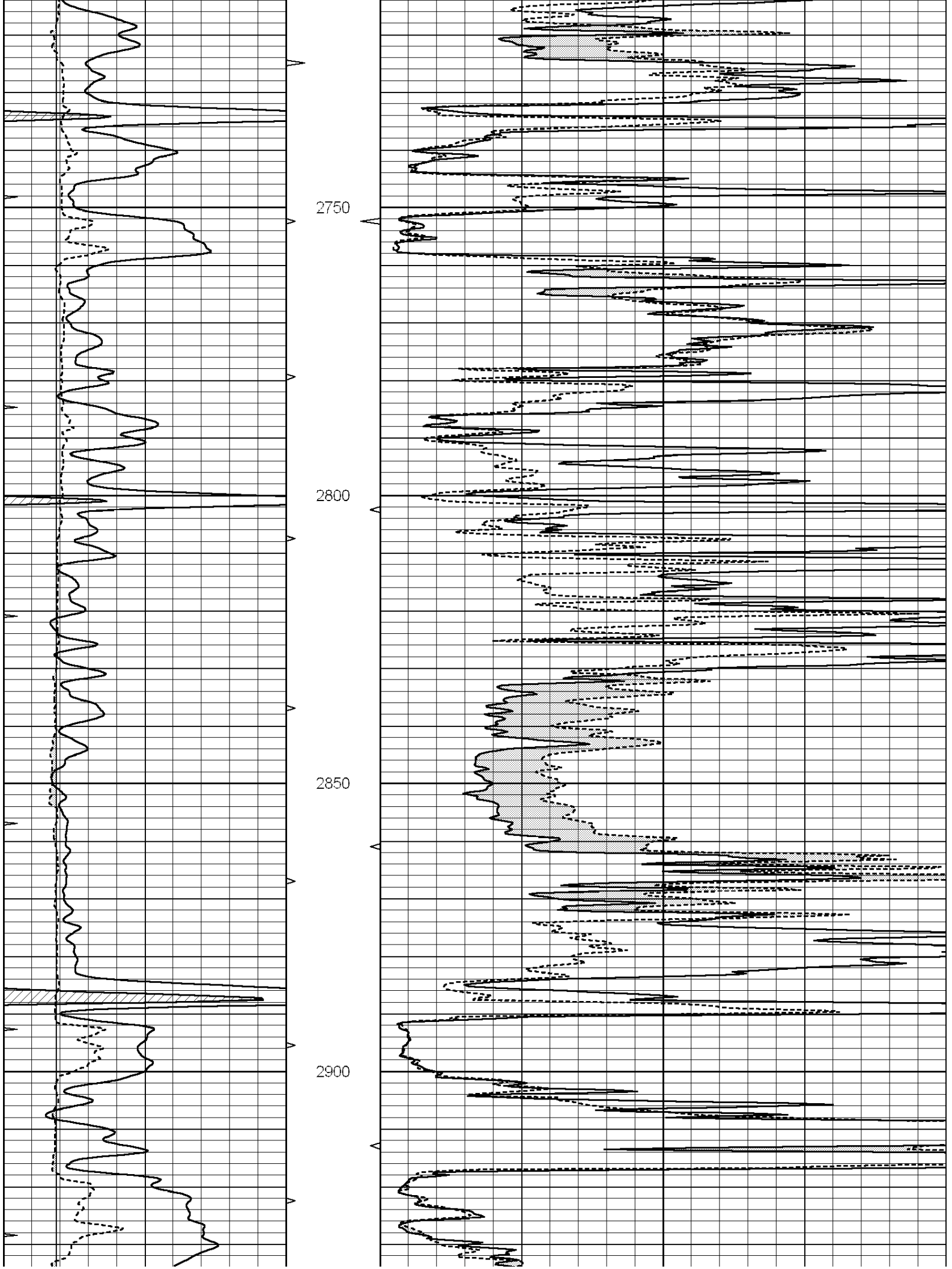
Database File:	3348ddn.db
Dataset Pathname:	pass6.4
Presentation Format:	micro
Dataset Creation:	Tue Mar 05 14:12:10 2019
Charted by:	Depth in Feet scaled 1:240

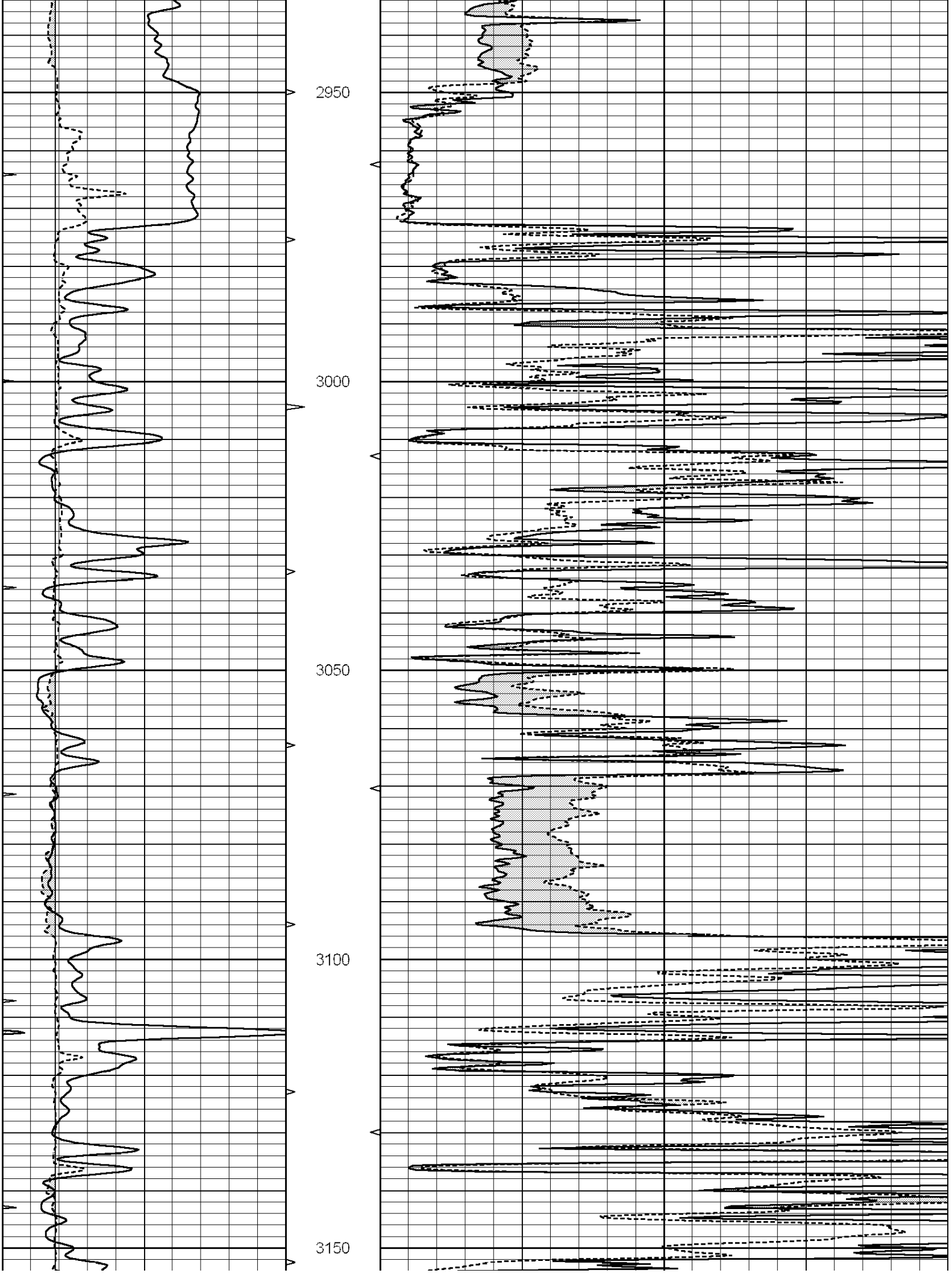
0	GAMMA RAY (GAPI) 150	ABHV		0	MEL1.5 (Ohm-m) 40
6	CALIPER (in) 16	10 (ft3) 0		0	MEL 20 (Ohm-m) 40
0	MINMK 20	TBHV			
		0 (ft3) 10			

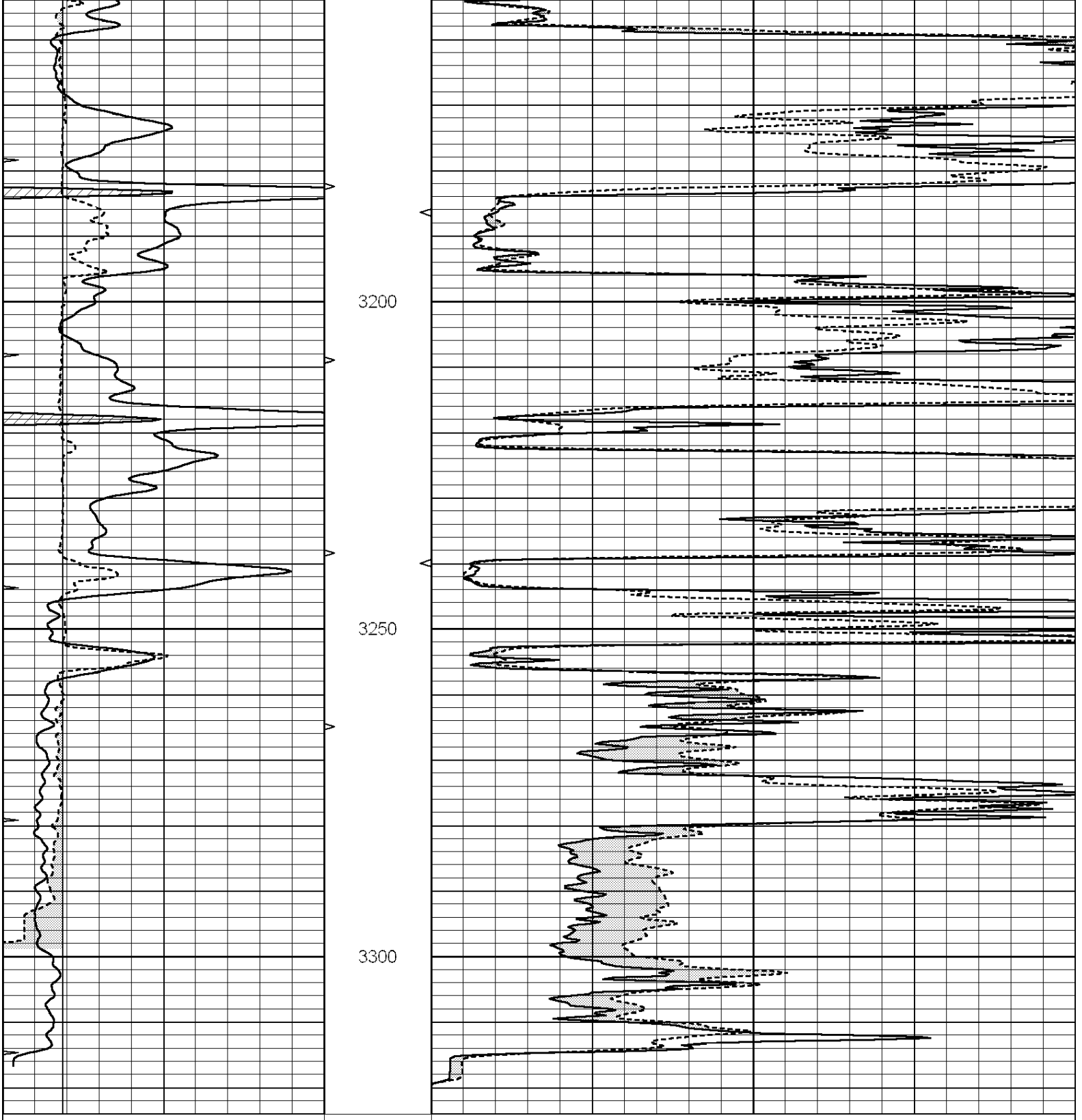



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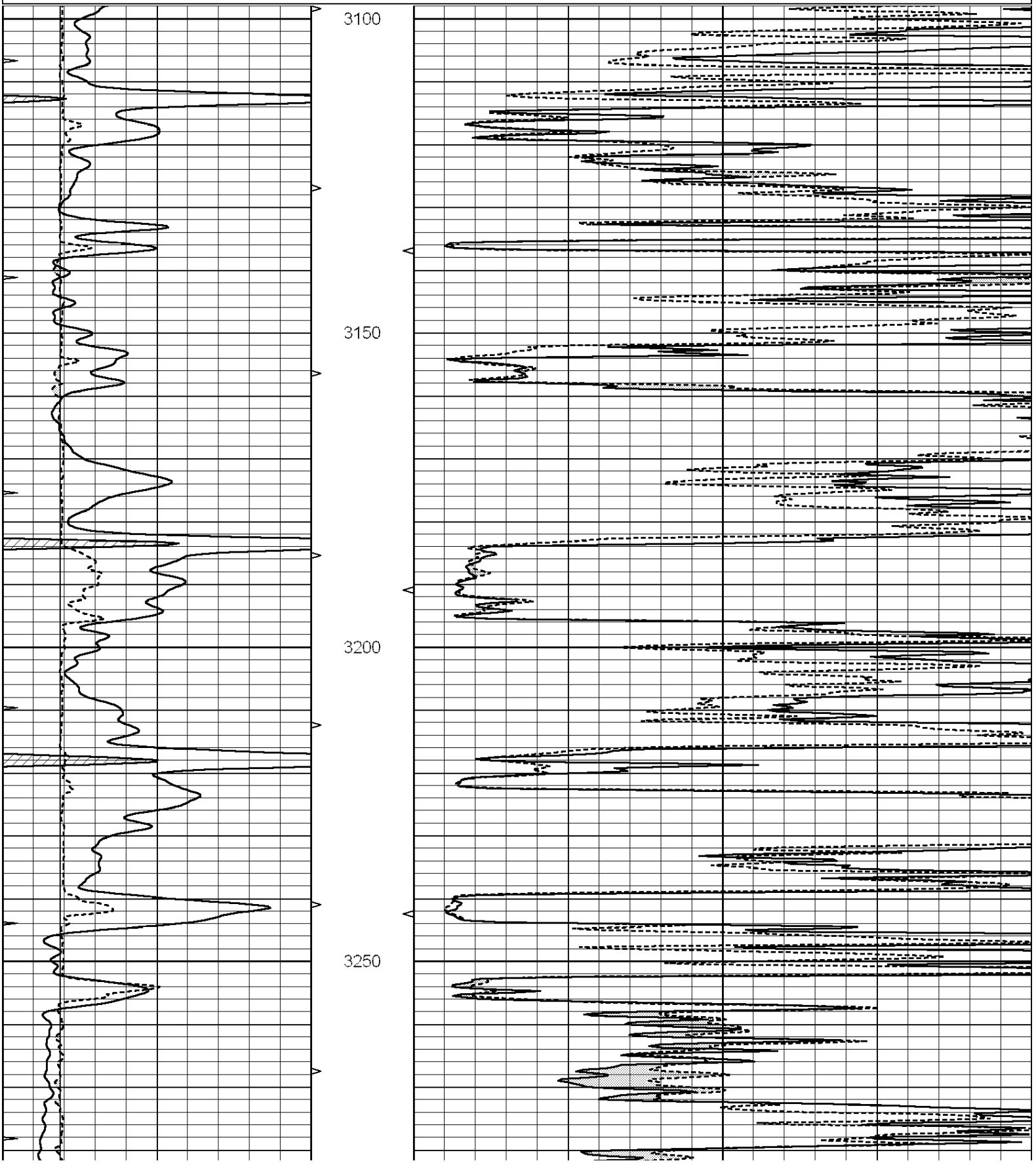
0 GAMMA RAY (GAPI) 150	ABHV	0 MEL1.5 (Ohm-m) 40
6 CALIPER (in) 16	10 (ft3) 0	0 MEL 20 (Ohm-m) 40
0 MINMK 20	TBHV	
	0 (ft3) 10	

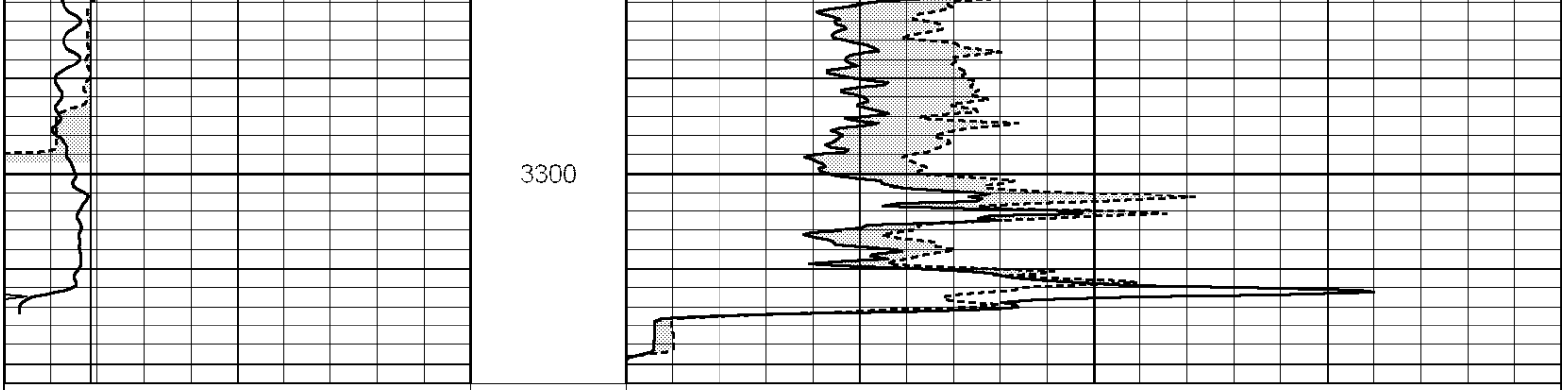
REPEAT SECTION

Database File: 3348ddn.db

Dataset Pathname:	pass5.2
Presentation Format:	micro
Dataset Creation:	Tue Mar 05 13:00:12 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		





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: 3348ddn.db
Dataset Pathname: pass6.3
Dataset Creation: Tue Mar 05 13:45:56 2019

MICRO Calibration Report

Serial Number:	070911	
Tool Model:	ProbeN	
Performed:	Tue Mar 05 13:34:56 2019	
Caliper Calibration:	Gain=6.849	Offset=0.877
	Low Cal	High Cal
References	8.000	18.000
Readings	1.040	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=-2.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	1.076

Gamma Ray Calibration Report

Serial Number:	070559	
Tool Model:	OPEN_GR	
Performed:	Tue Mar 05 13:23:06 2019	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2200	GAPI/cps