

MICRO LOG

Company	HARTMAN OIL CO., INC.	Company	HARTMAN OIL CO., INC.
Well	WILKONSON #1-32	Well	WILKONSON #1-32
Field	N/A	Field	N/A
County	BUTLER	County	BUTLER
State	KANSAS	State	KANSAS
Location:	AP1 # : 15-015-24121-00-00		Other Services CDL/CNL/DIL
SEC 32 TWP 24S RGE 3E		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	1351
Log Measured From	KELLY BUSHING 5' A.G.L.	D.F.	1354
Drilling Measured From	KELLY BUSHING	G.L.	1351
Date	04/10/19		
Run Number	TWO		
Depth Driller	3290		
Depth Logger	3322		
Bottom Logged Interval	3321		
Top Log Interval	1700		
Casing Driller	8 5/8" @ 257		
Casing Logger	257		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.4/49		
pH / Fluid Loss	11.0/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.7@72		
Rmt @ Meas. Temp	.53@72		
Rmc @ Meas. Temp	.84@72		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.46@110		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	110F		
Equipment Number	1523		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	CHRIS PETERS		

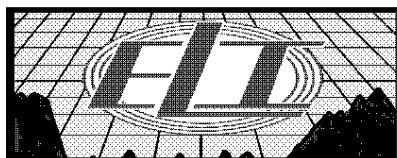
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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, KS. (785) 628-6395

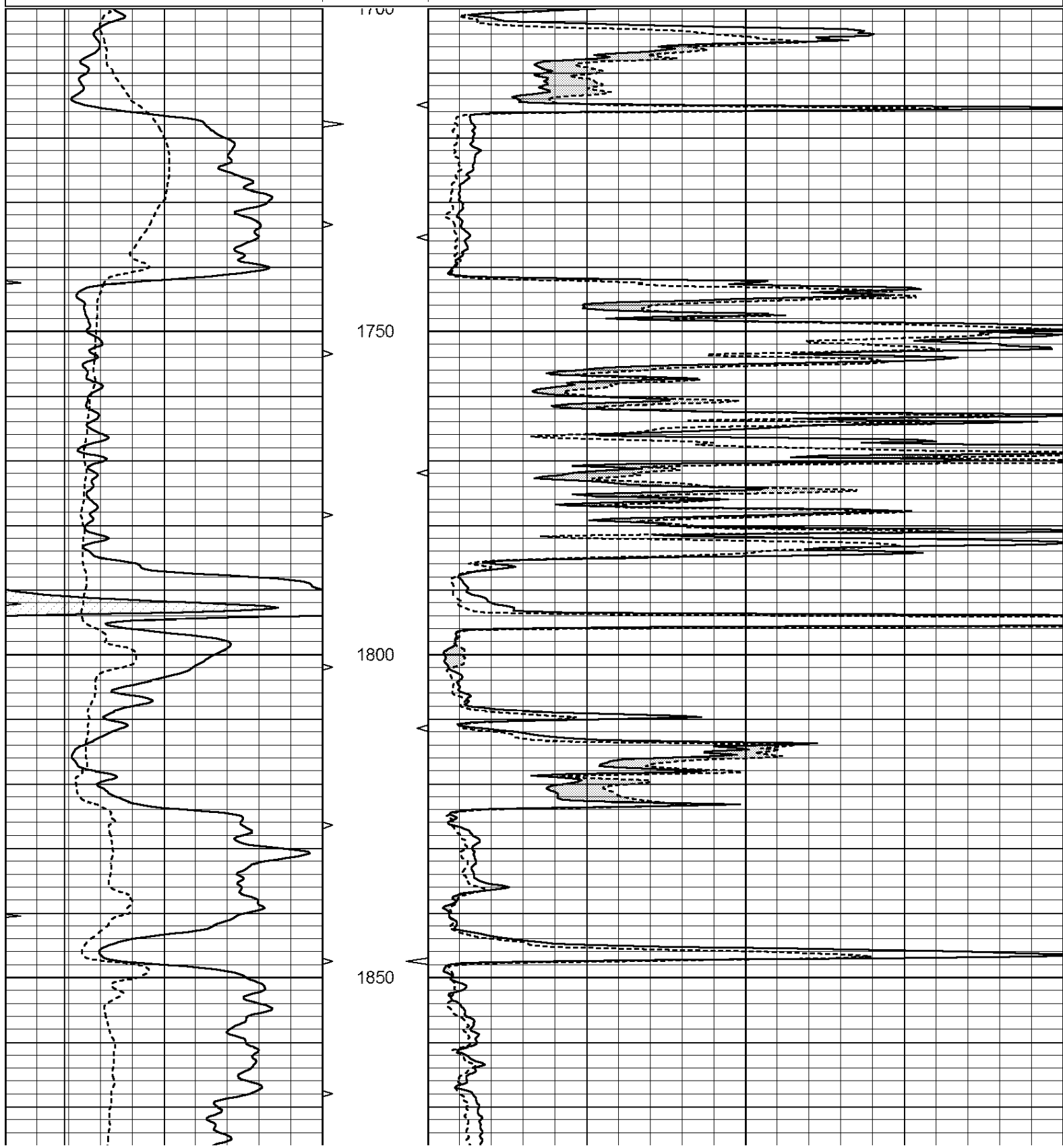
DIRECTIONS
WHITEWATER EAST TO BUTLER RD., SOUTH 2 MILES
1/2 EAST, SOUTH INTO.

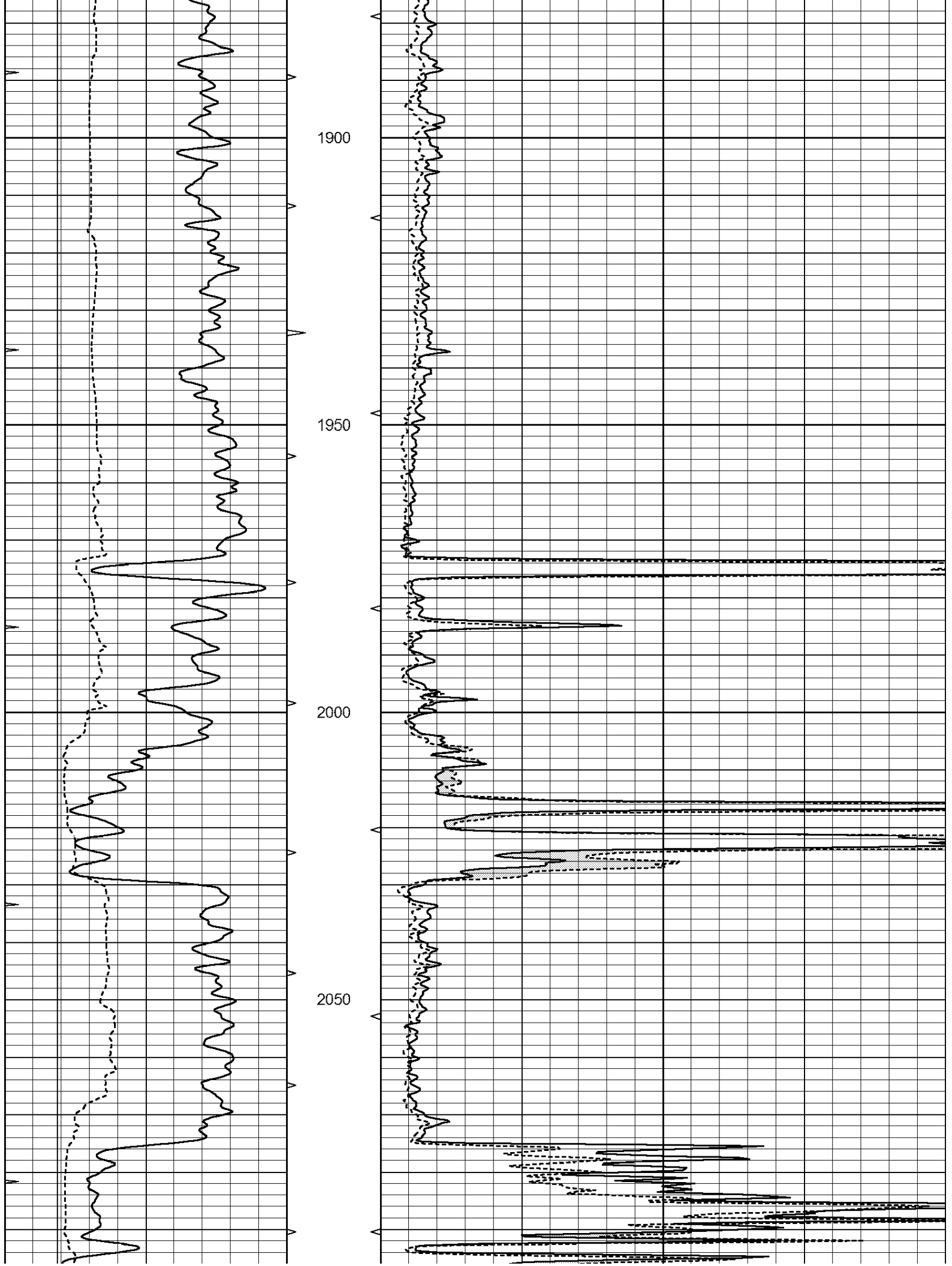


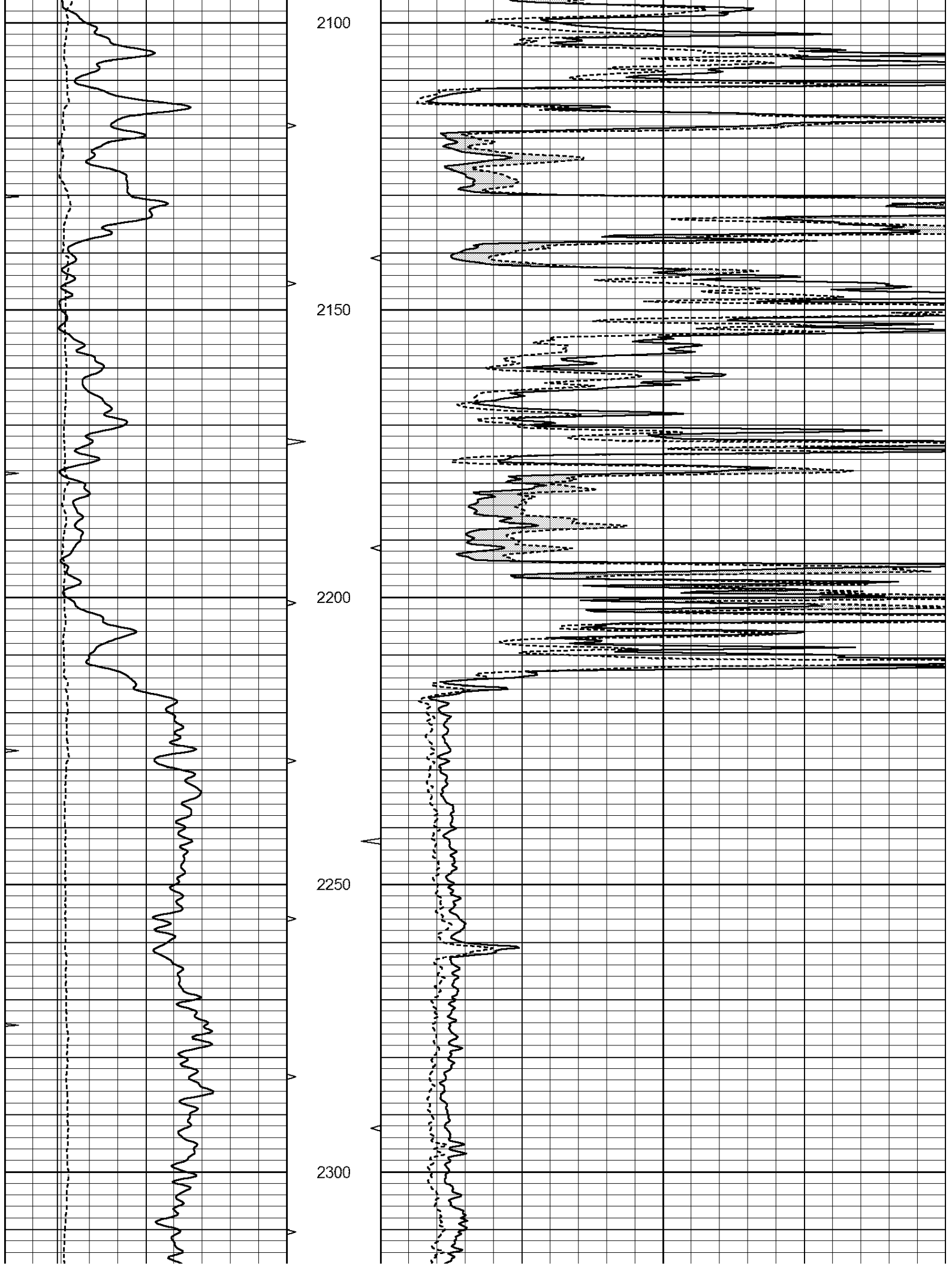
MAIN PASS

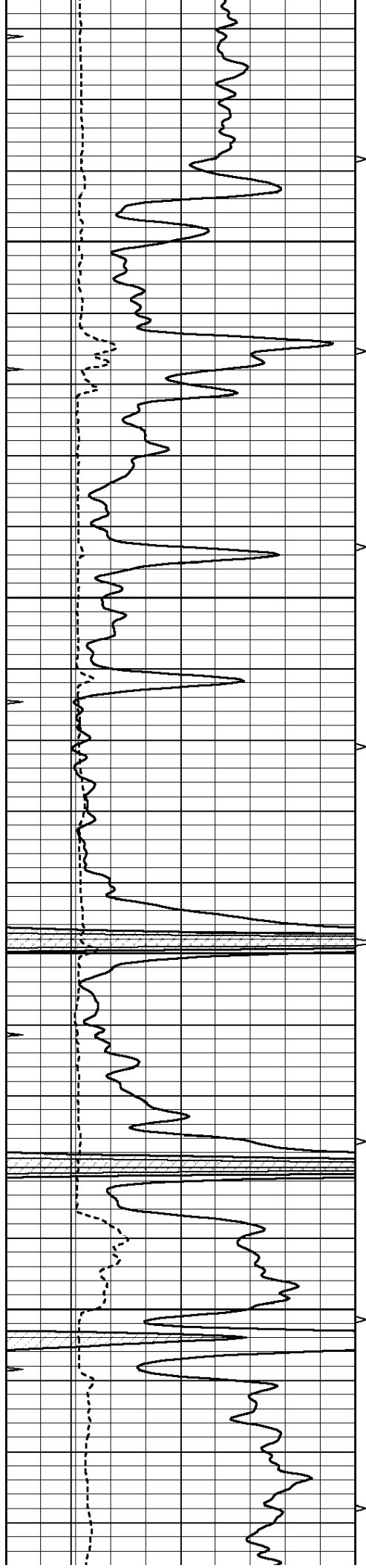
Database File: 3496pe.db
Dataset Pathname: pass5.1
Presentation Format: _micro
Dataset Creation: Wed Apr 10 07:01:24 2019
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		







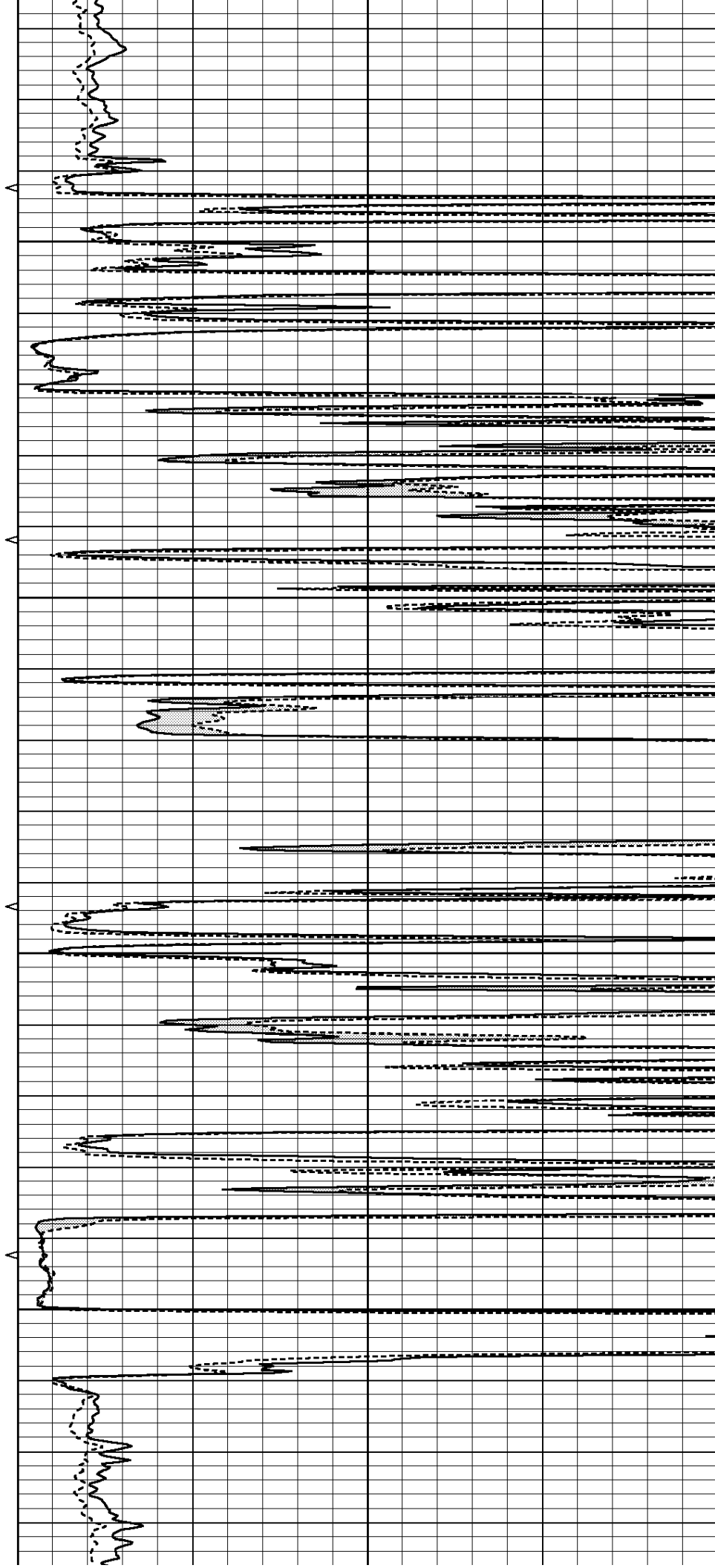


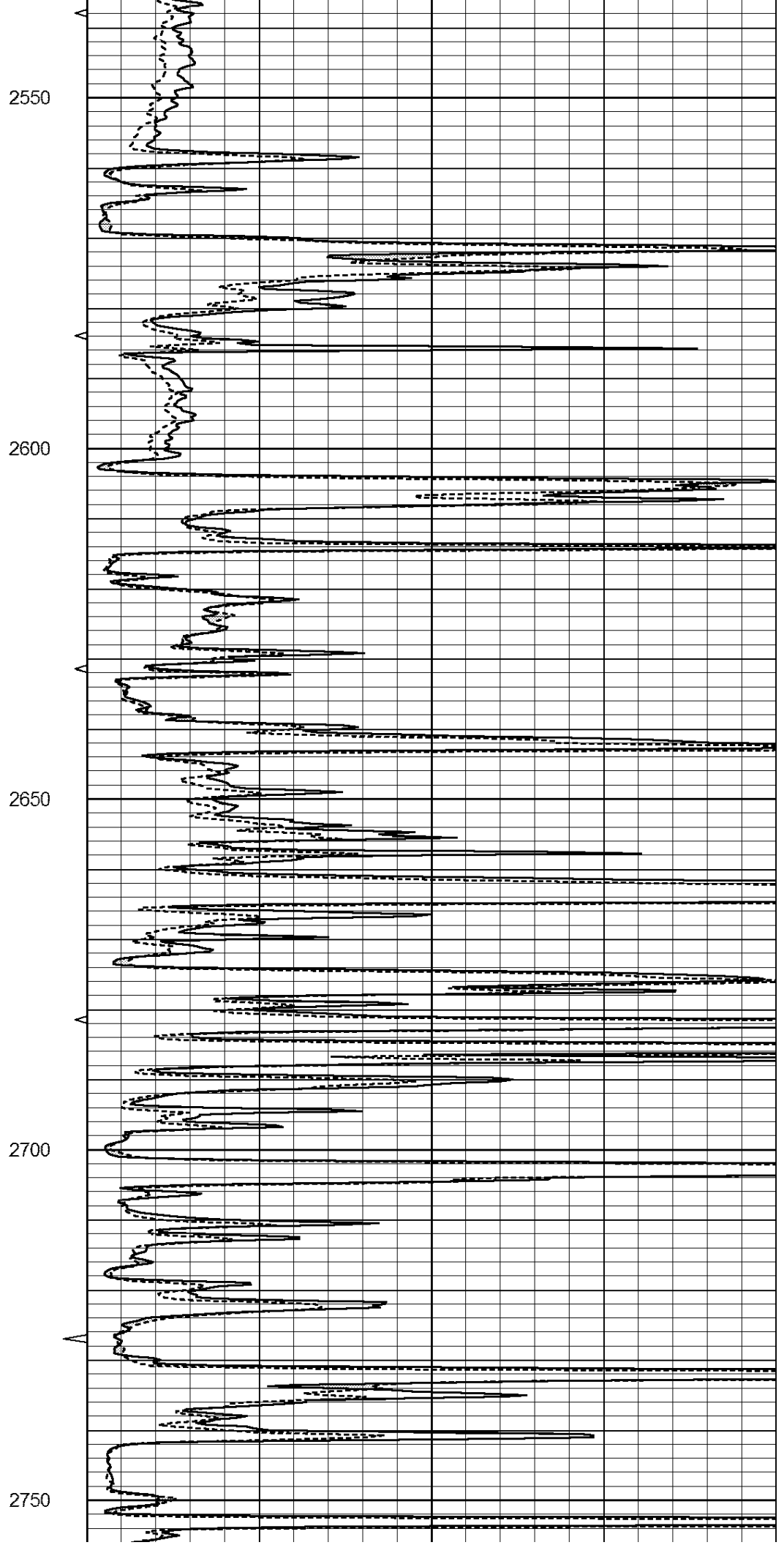
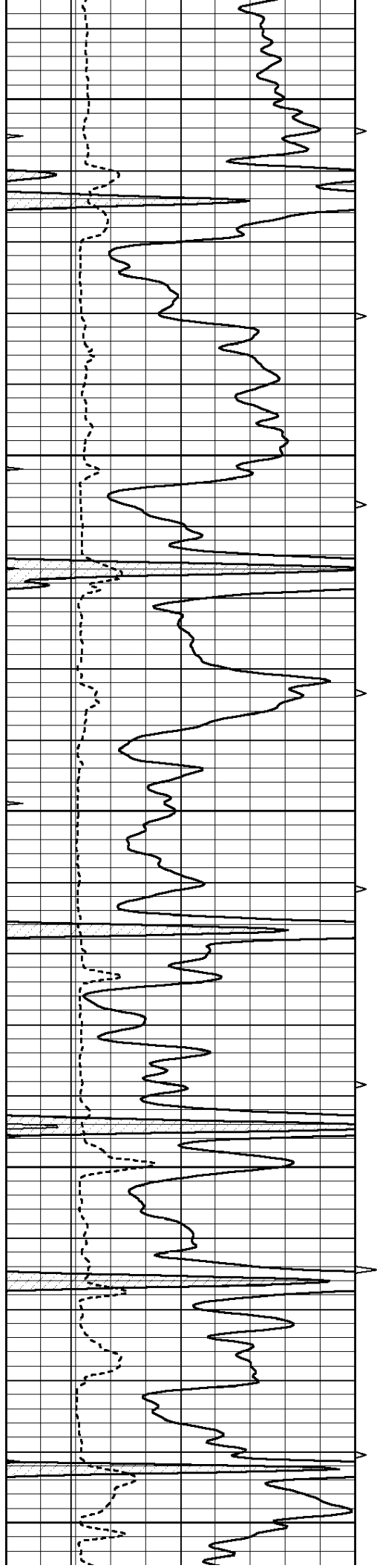
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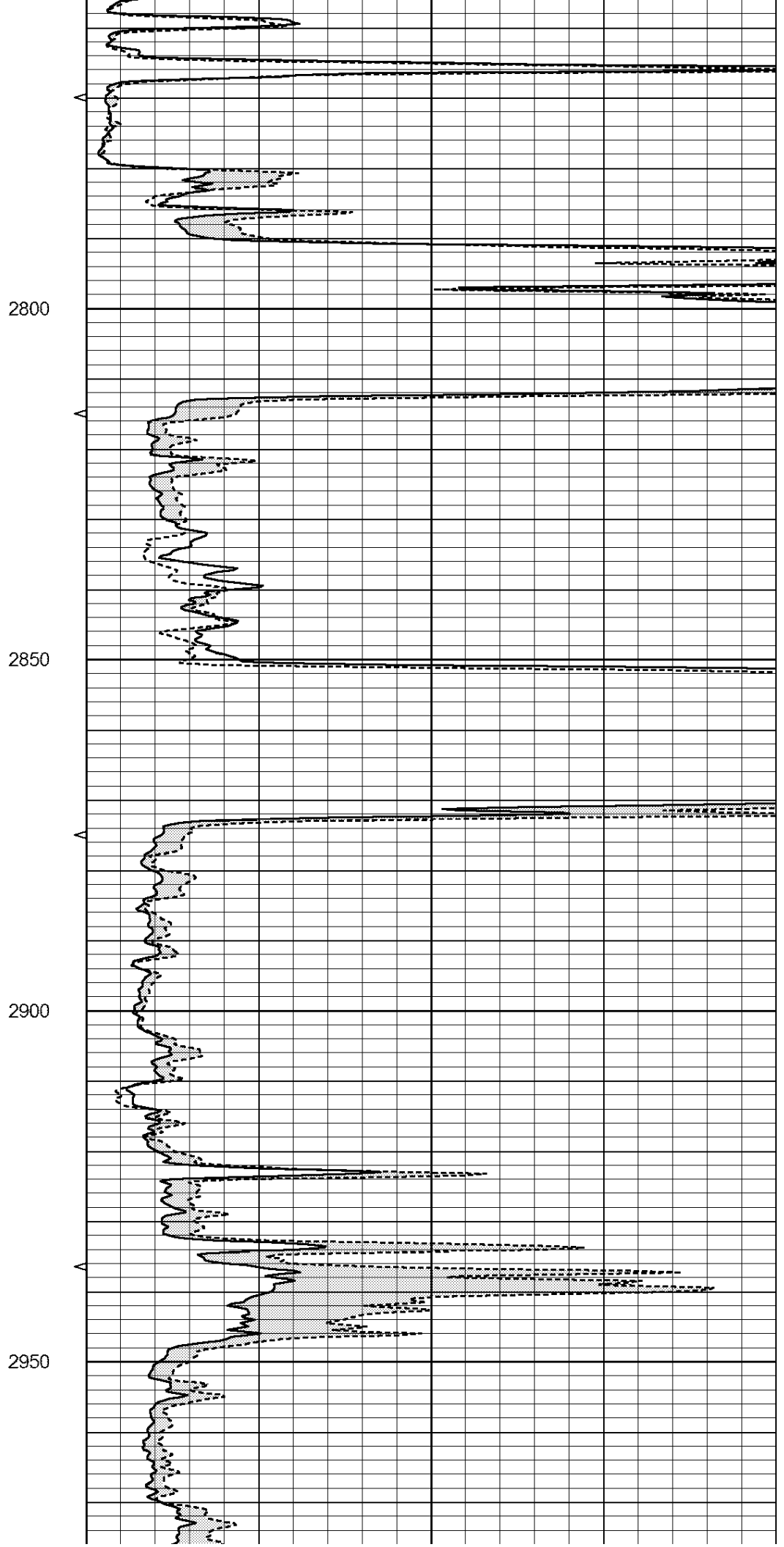
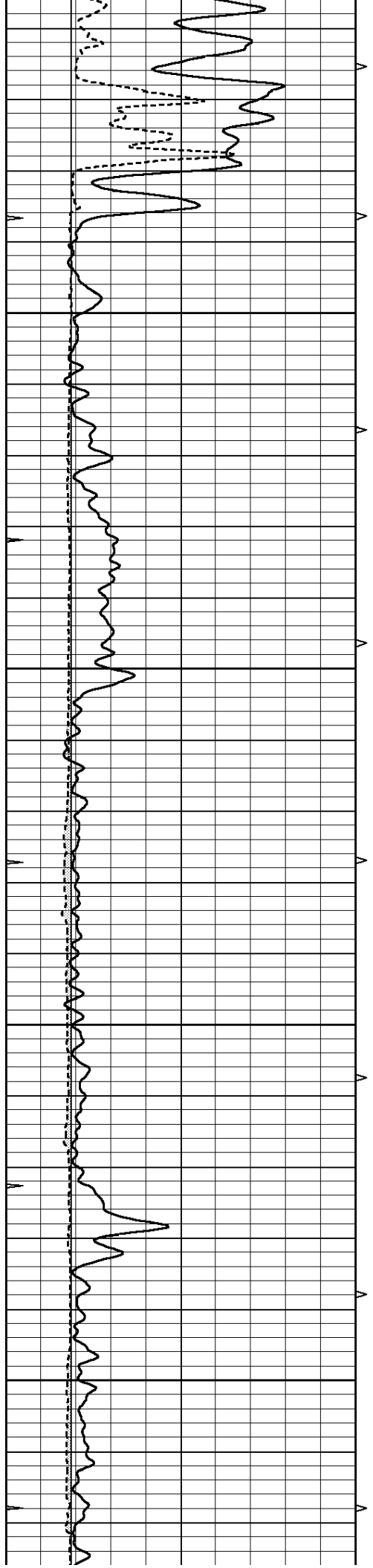
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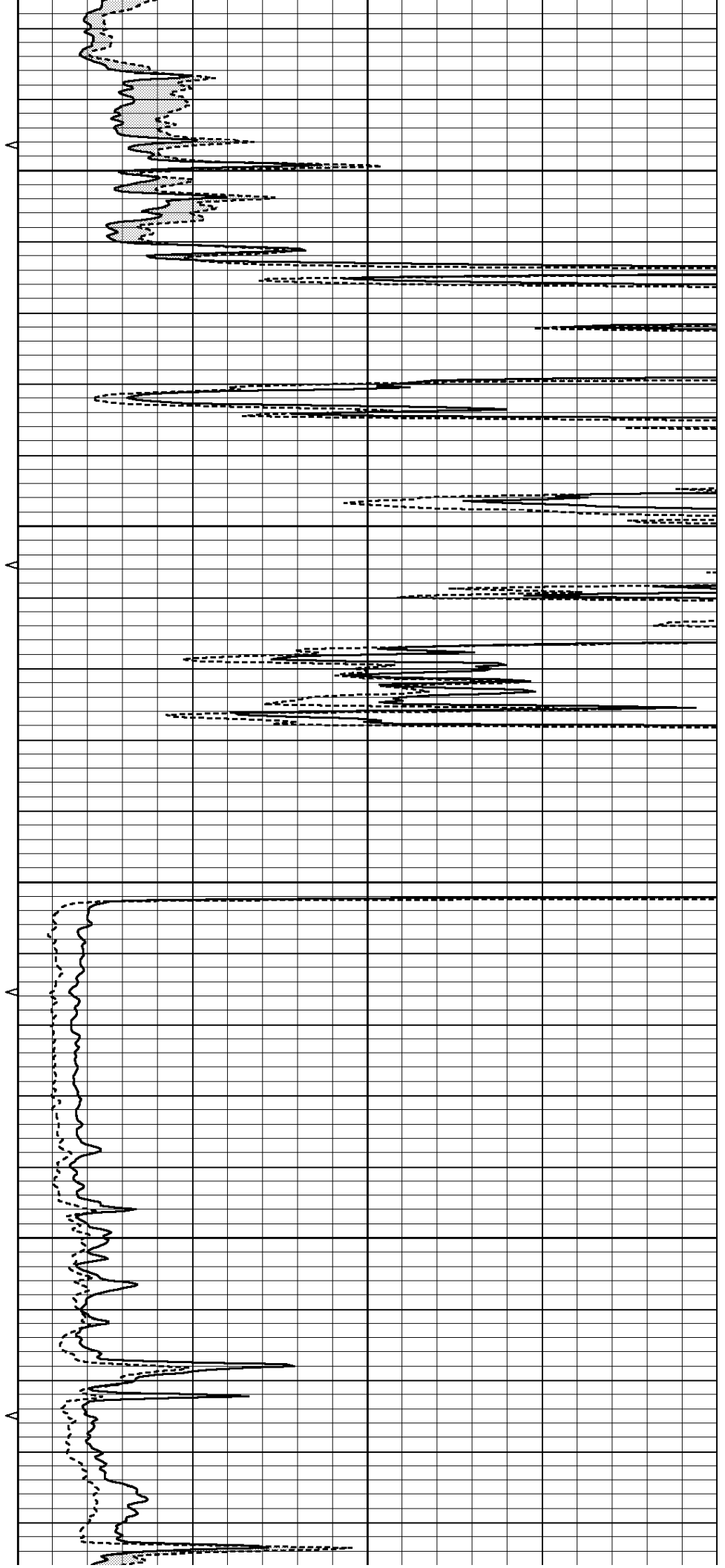
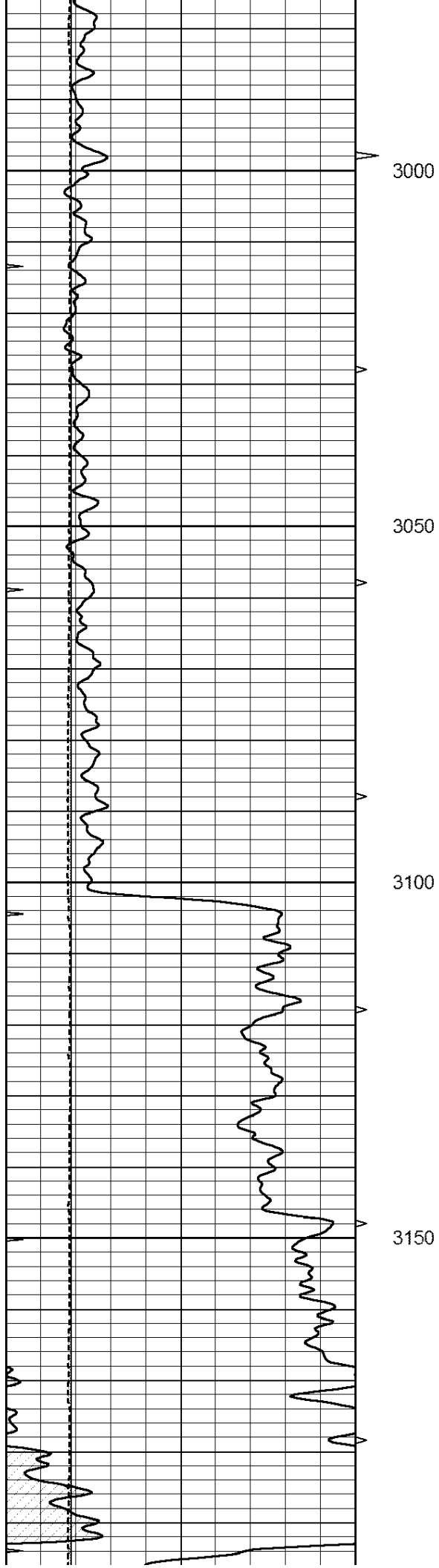
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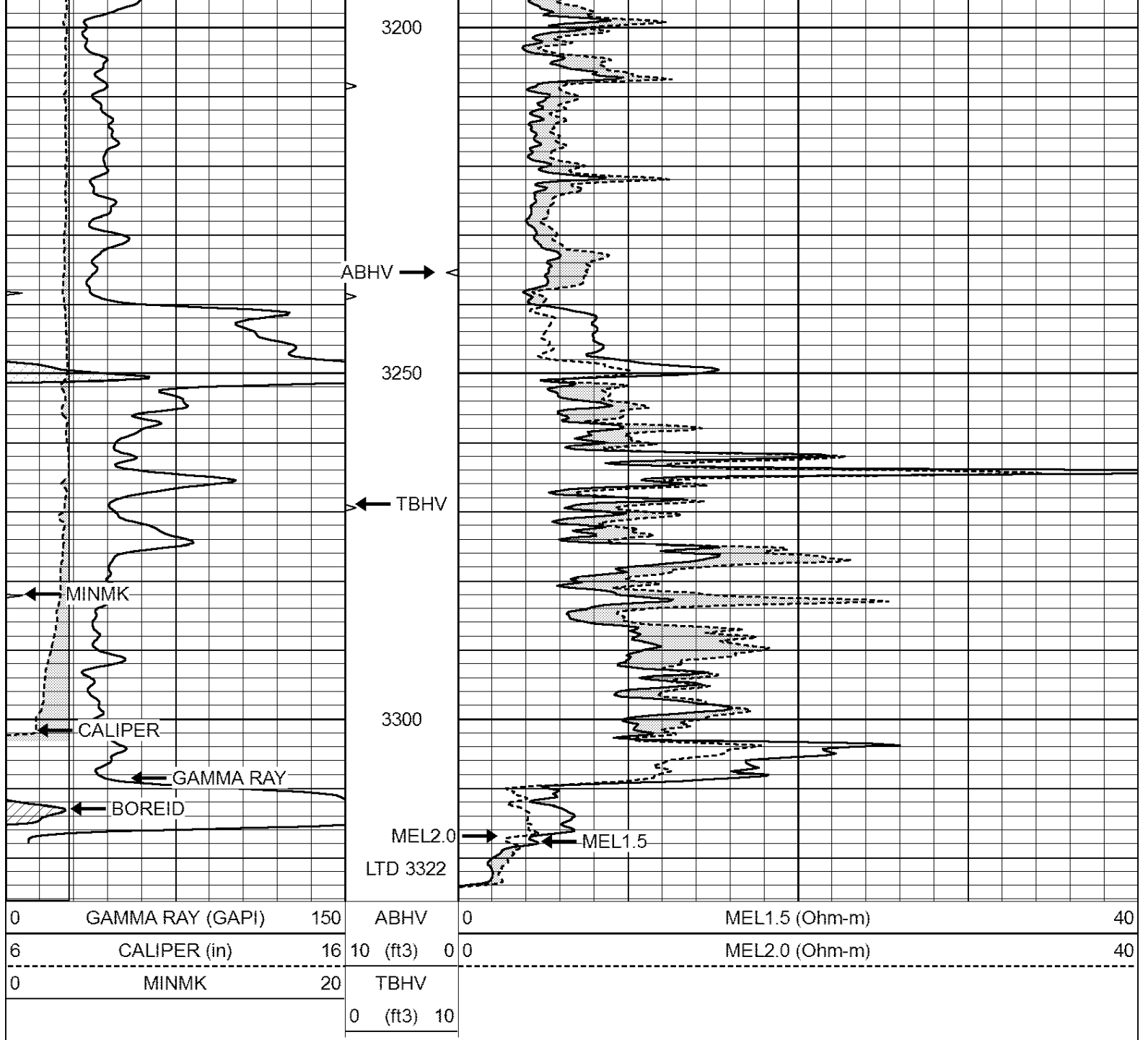
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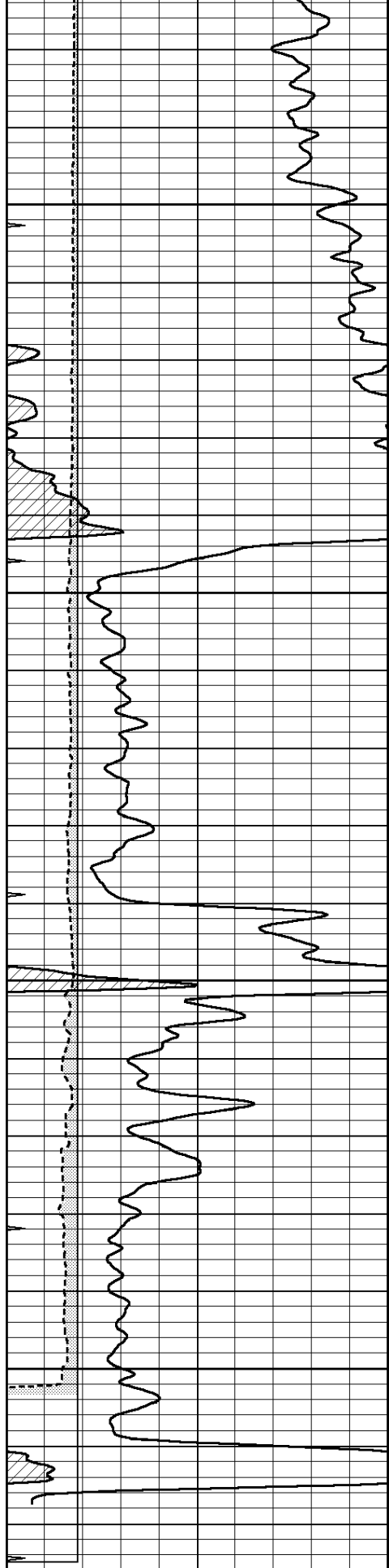




REPEAT SECTION

Database File: 3496pe.db
Dataset Pathname: pass4.1
Presentation Format: micro
Dataset Creation: Wed Apr 10 06:58:06 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	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		

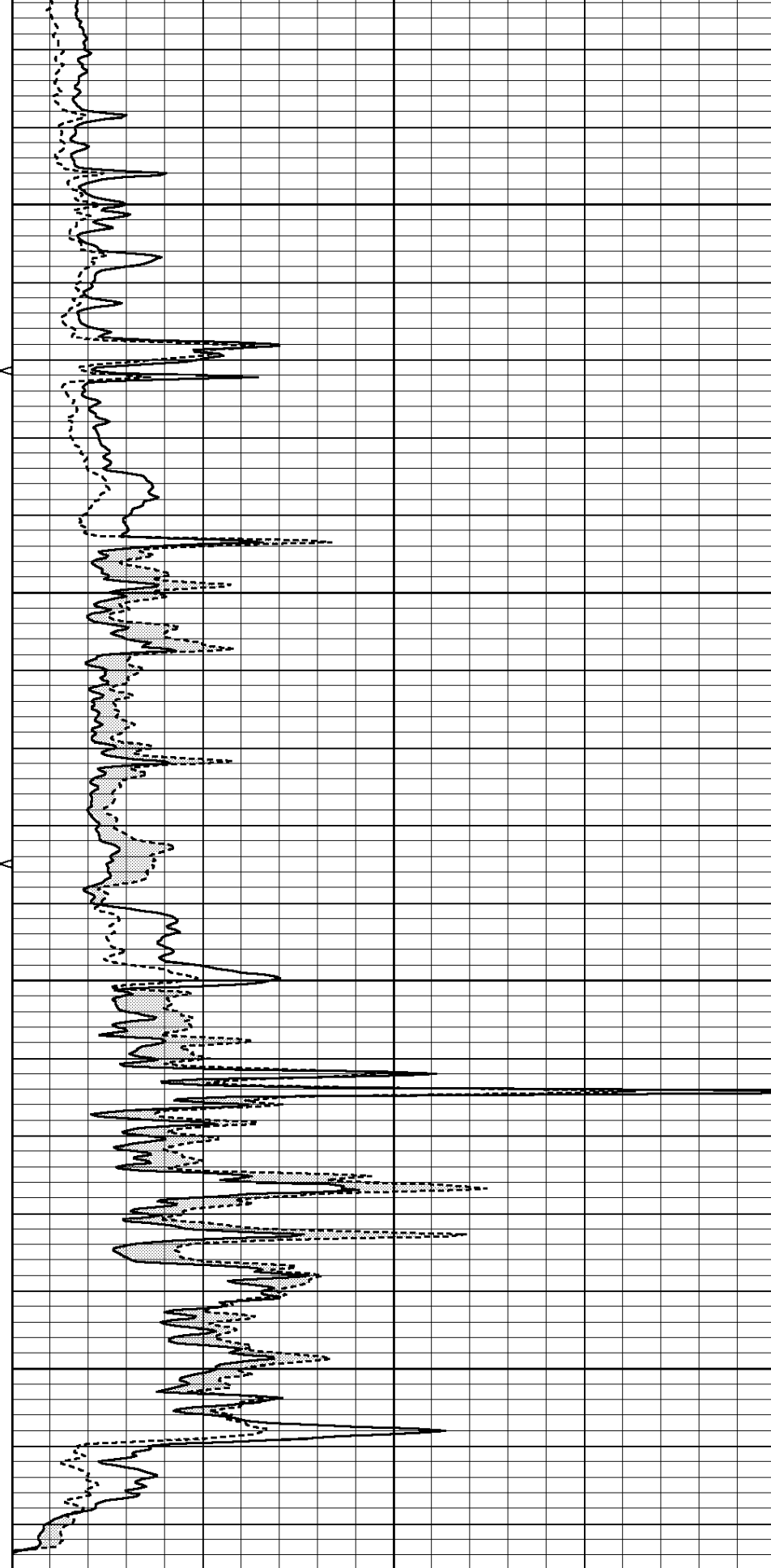


3150

3200

3250

3300



0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		

Calibration Report

Database File: 3496pe.db
 Dataset Pathname: pass4.1
 Dataset Creation: Wed Apr 10 06:58:06 2019

MICRO Calibration Report

Serial Number: MICRO3
 Tool Model: PROBE
 Performed: Sat Apr 06 08:28:00 2019

Caliper Calibration: Gain=5.761 Offset=-21.702

	Low Cal	High Cal
References	7.000	14.000
Readings	5.339	6.500

1.5" Calibration: Gain=79.606 Offset=-0.120

	Low Cal	High Cal
References	0.000	20.000
Readings	0.001	0.230

2" Calibration: Gain=118.028 Offset=-1.176

	Low Cal	High Cal
References	0.000	20.000
Readings	0.018	0.188

Gamma Ray Calibration Report

Serial Number: GR5
 Tool Model: OPEN
 Performed: Wed Feb 27 04:44:36 2019

Calibrator Value: 1.0 GAPI

Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps

Sensitivity: 0.5600 GAPI/cps