



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company		MAI OIL OPERATIONS, INC.	
Well		FLEGLER #3	
Field		TRAPP	
County		RUSSELL	
State		KANSAS	
Location:		API # : 15-167-23864-0000 1125' FNL & 375' FEL SW - SE - NE - NE	
Permanent Datum Log Measured From Drilling Measured From		GROUND LEVEL KELLY BUSHING 8' A.G.L. KELLY BUSHING	
SEC 10 TWP 15S RGE 14W		Elevation K.B. 1741 D.F. 1739 G.L. 1733	
Date	5/12/13		
Run Number	TWO		
Depth Driller	3300		
Depth Logger	3299		
Bottom Logged Interval	3297		
Top Log Interval	2200		
Casing Driller	8 5/8" @ 43'		
Casing Logger	431		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,000 PPM	
Density / Viscosity	9.5/48		
pH / Fluid Loss	9.0/9.6		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.600 @ 80F		
Rmf @ Meas. Temp	.450 @ 80F		
Rmc @ Meas. Temp	.720 @ 80F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.436 @ 110F		
Time Circulation Stopped	3.5 HOURS		
Time Logger on Bottom	6:00 P.M.		
Maximum Recorded Temperature	110F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JIM MUSGROVE		

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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 "NABORS" HAYS, KANSAS (785) 628-6395
 DIRECTIONS
 RUSSELL, KS. & I-70, 6 1/2S. ON HWY 281, W. INTO BEFORE HILL



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MAIN SECTION

Database File:

010904ddn.db

Dataset Pathname:

pass6.3

Presentation Format:

micro

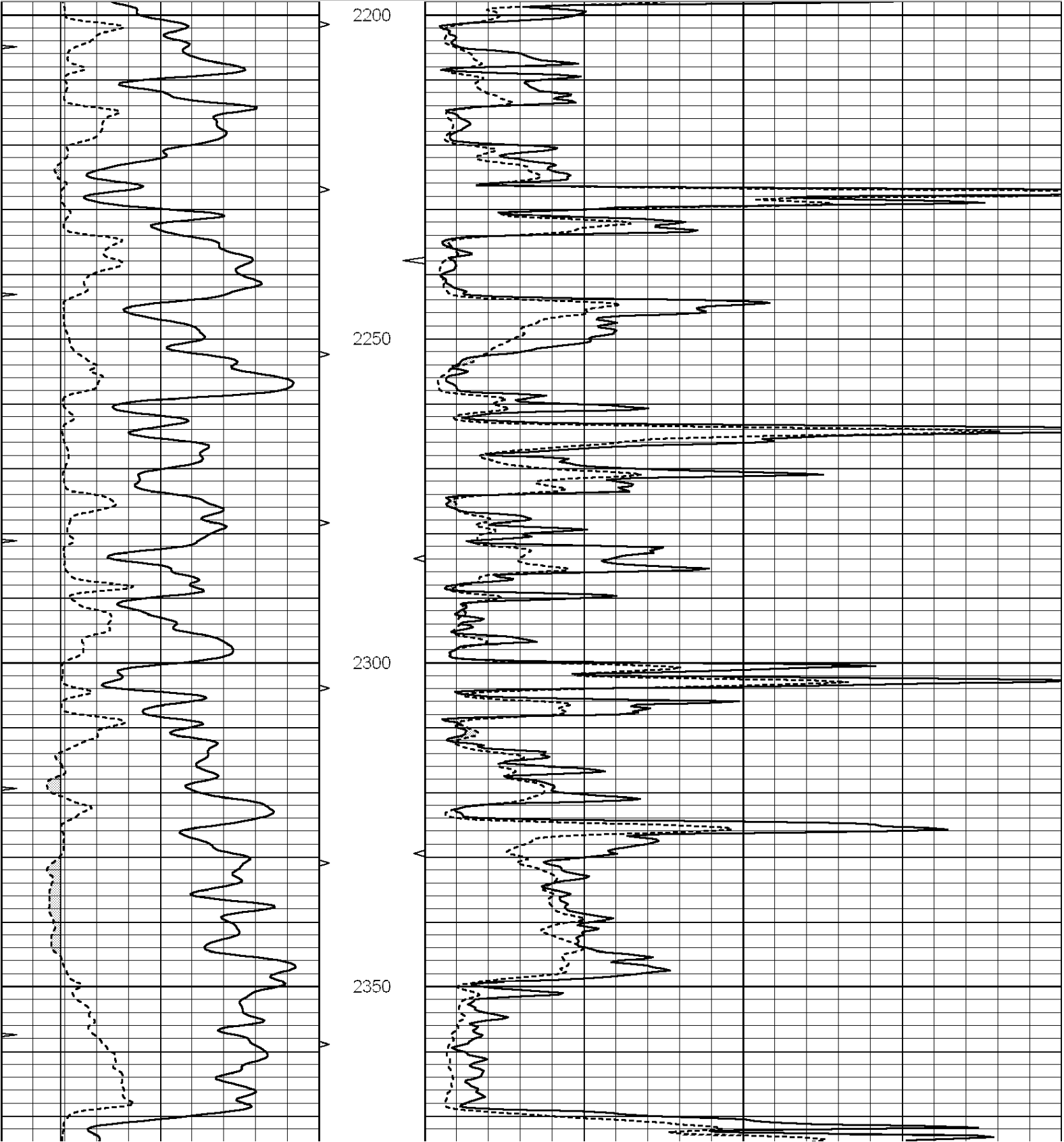
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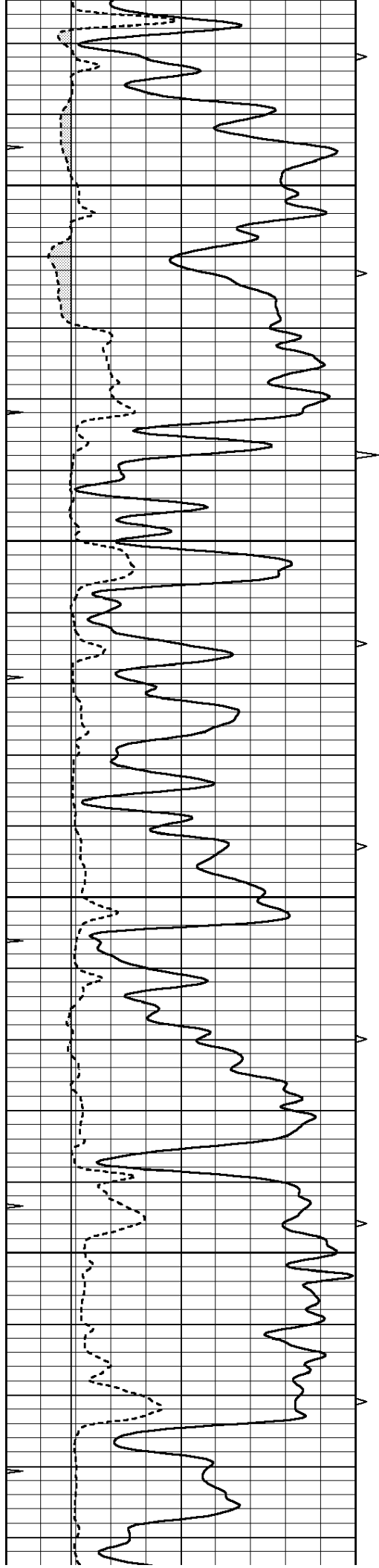
Sun May 12 20:28:41 2013 by Calc SOC 120430

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	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		



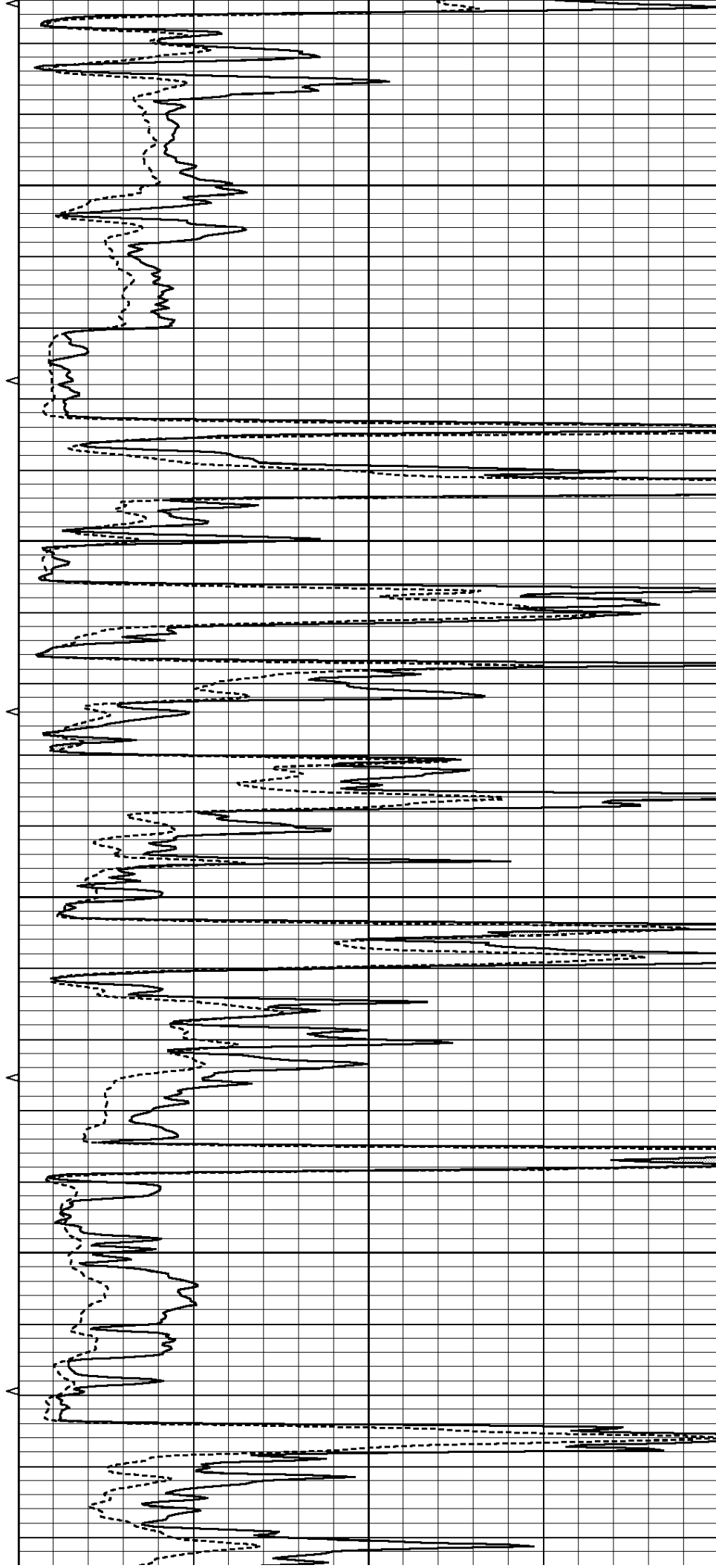


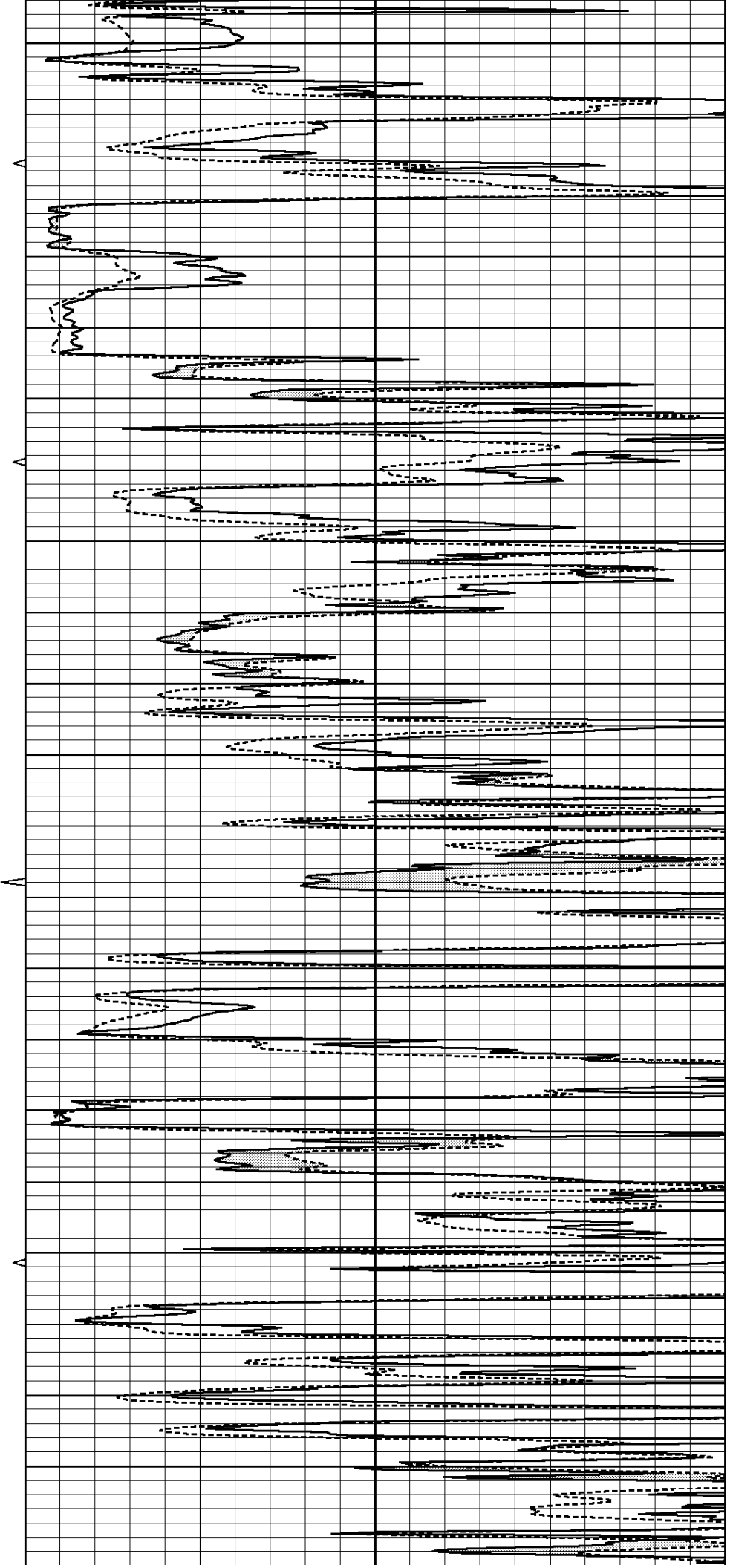
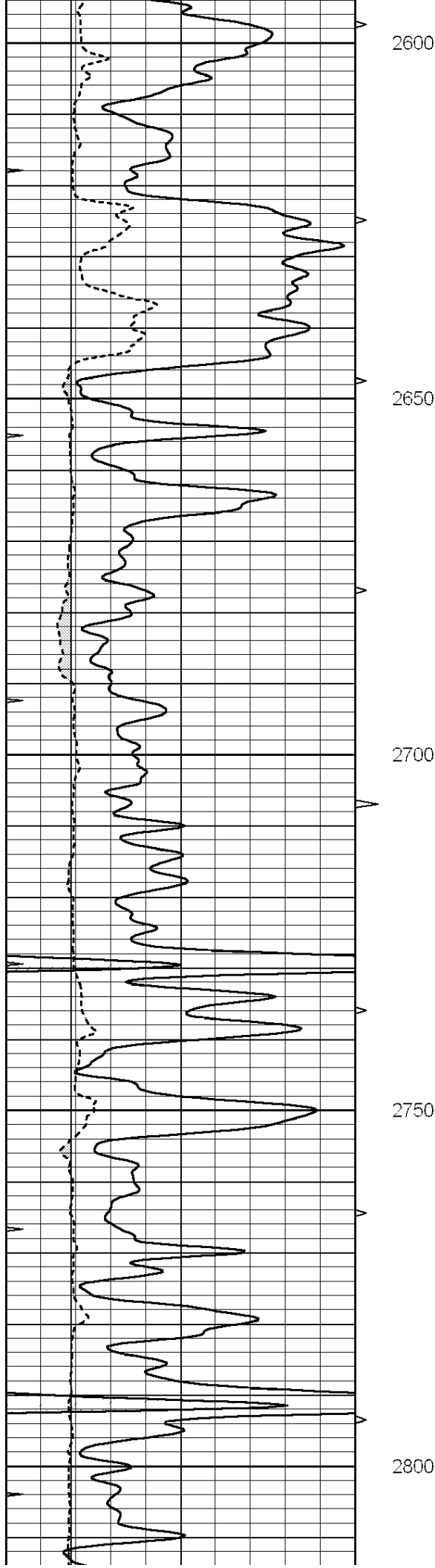
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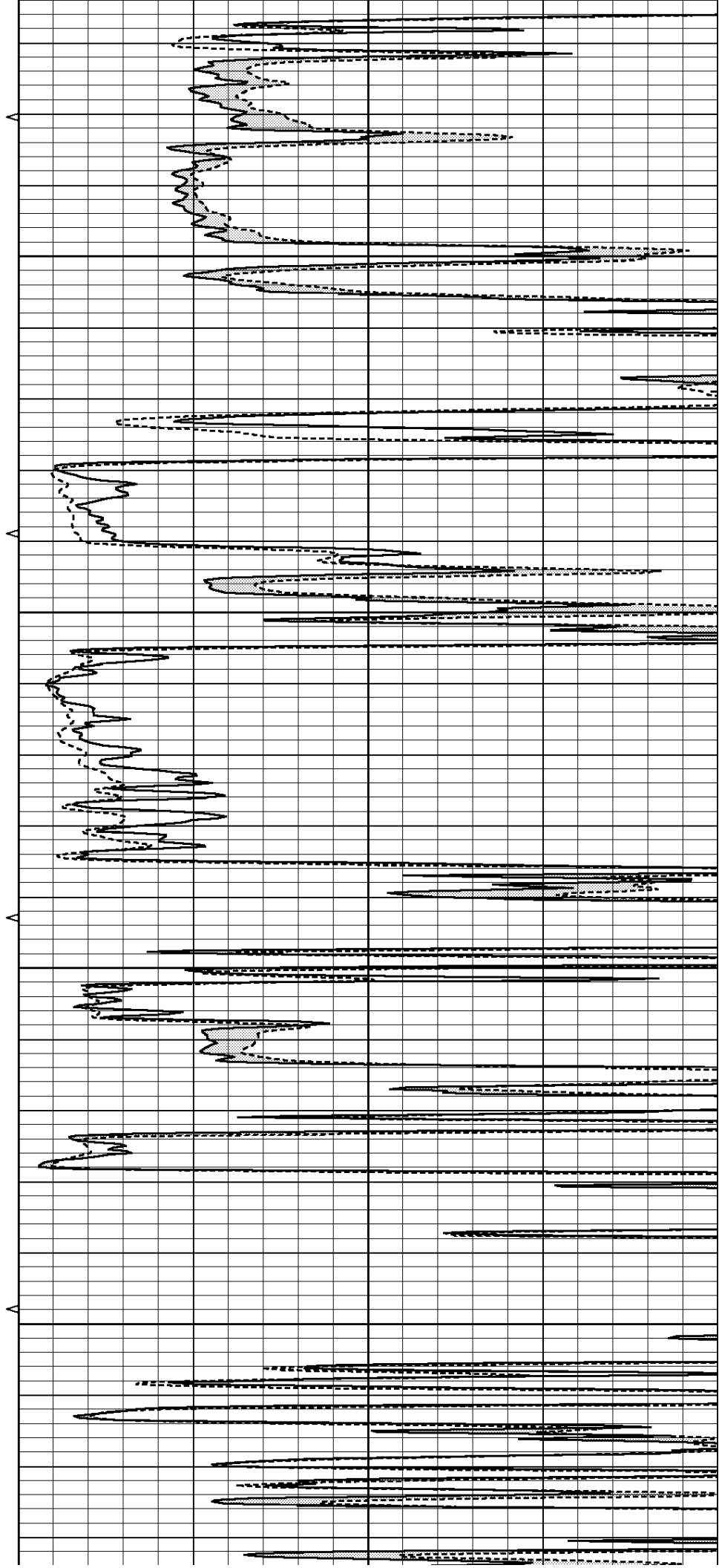
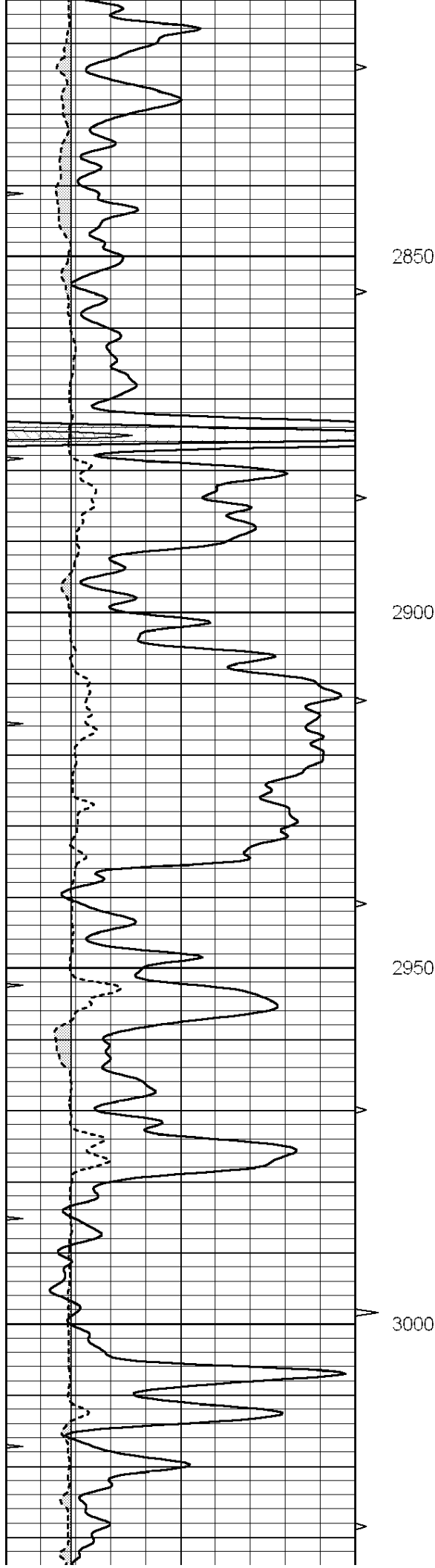
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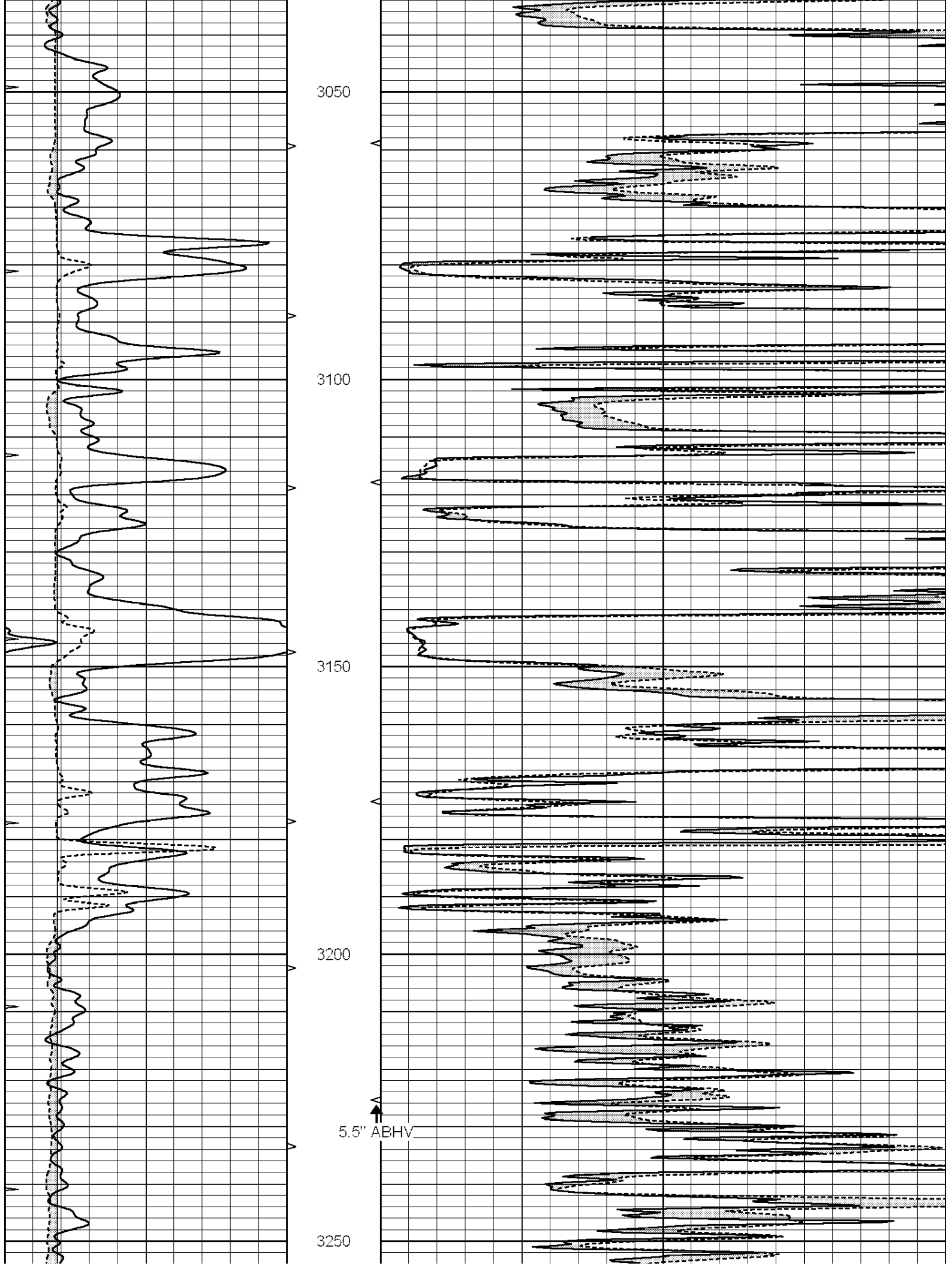
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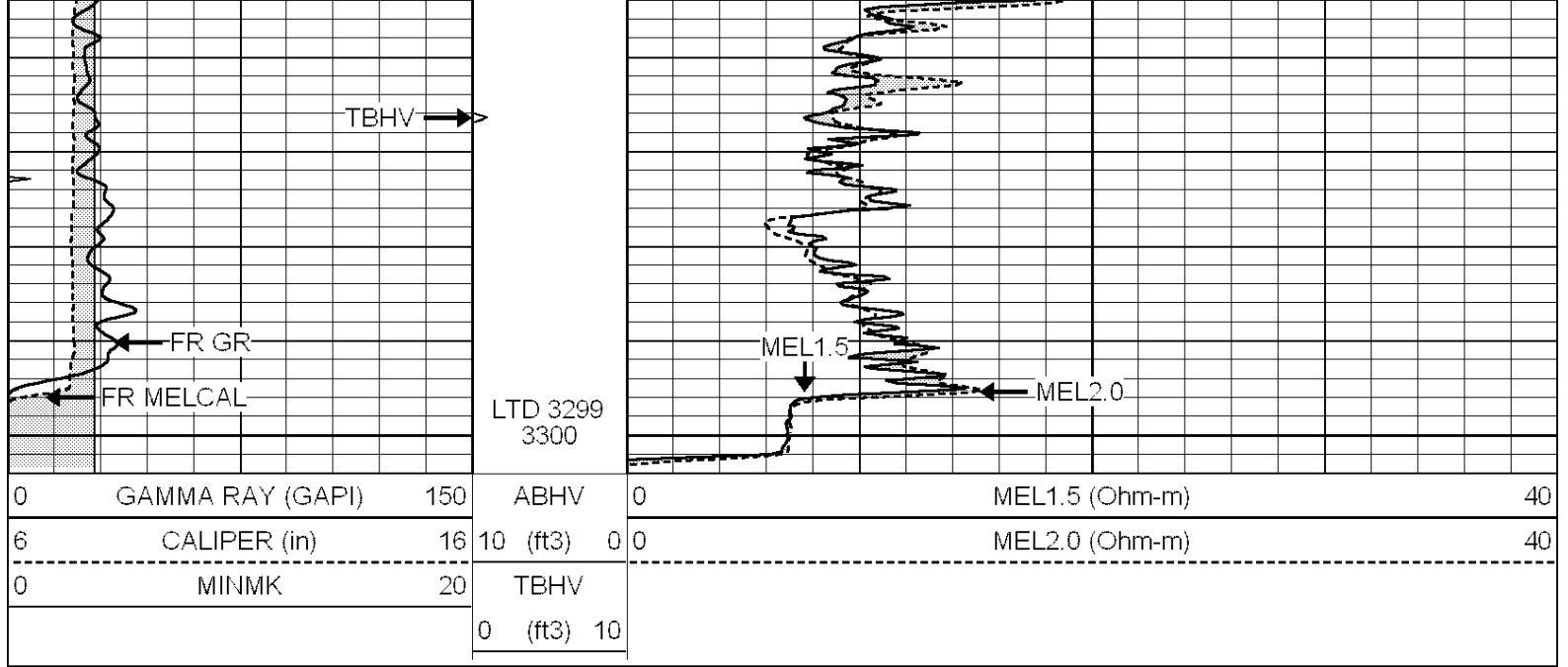
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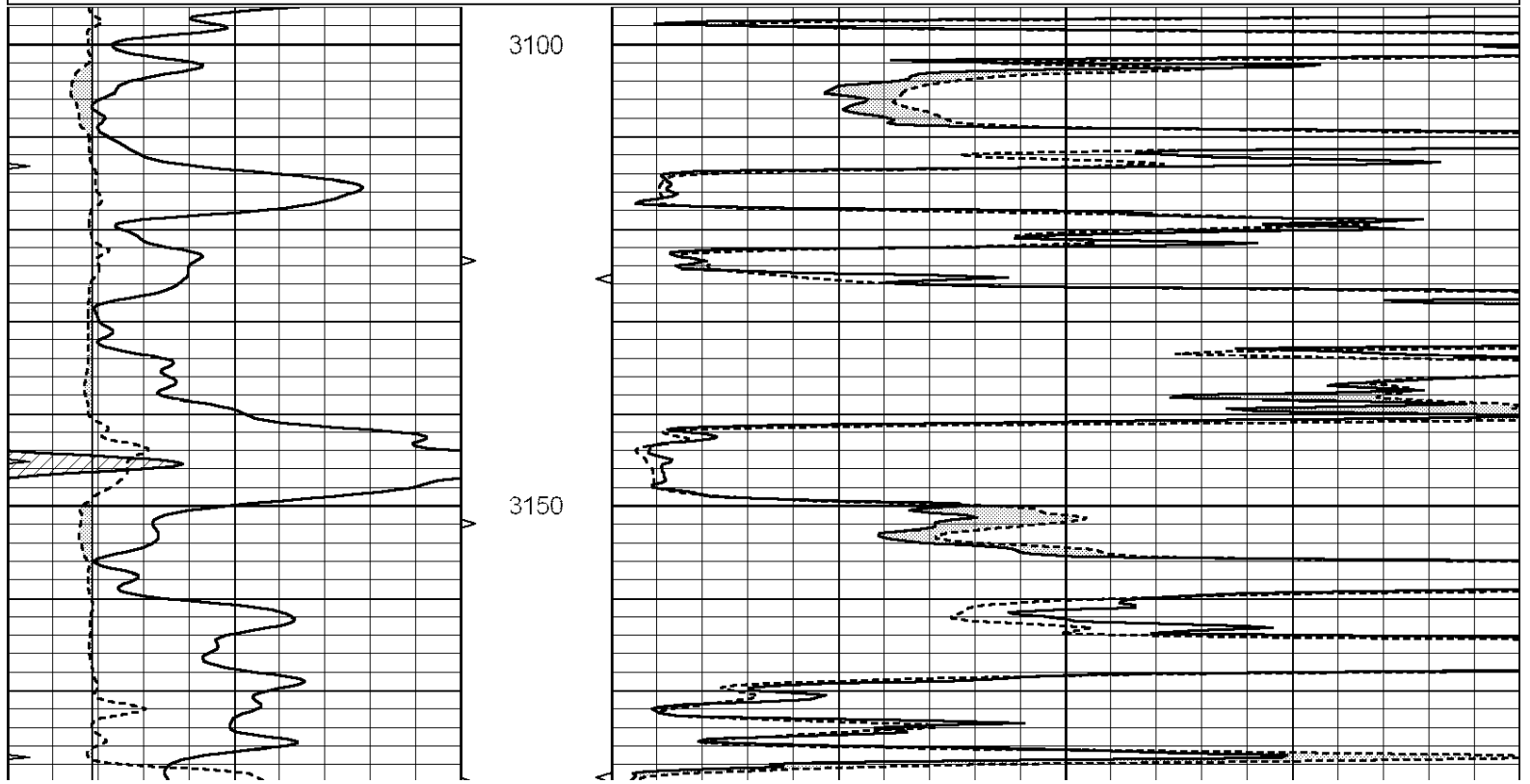


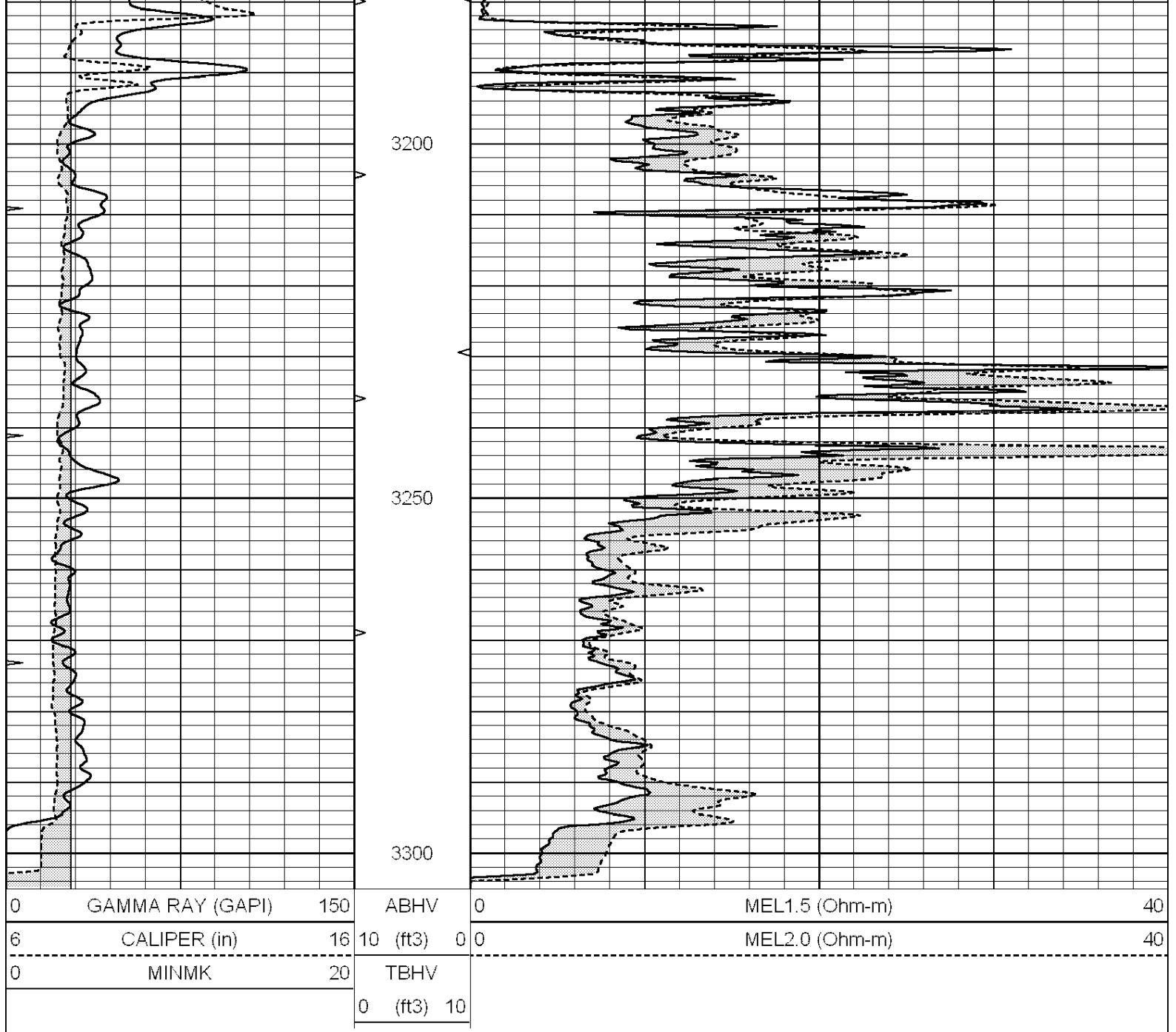
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REPEAT SECTION

Database File: 010904ddn.db
 Dataset Pathname: pass5.5
 Presentation Format: micro
 Dataset Creation: Sun May 12 19:47:26 2013 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	MEL2.0 (Ohm-m)	40
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report			
Database File:	010904ddn.db		
Dataset Pathname:	pass6.3		
Dataset Creation:	Sun May 12 20:28:41 2013 by Calc SOC 120430		
MICRO Calibration Report			
Serial Number:	2		
Tool Model:	PROBE		
Performed:	Sat Apr 20 17:03:12 2013		
Caliper Calibration:	Gain=6.596	Offset=-4.220	
	Low Cal	High Cal	
References	7.200	16.000	
Readings	1.731	3.065	
1.5" Calibration:	Gain=48.000	Offset=-1.500	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.015	0.150	

Readings	0.015	0.458
2" Calibration:	Gain=47.000	Offset=-0.500
References	Low Cal	High Cal
	0.000	20.000
Readings	0.003	0.384

Gamma Ray Calibration Report

Serial Number:	GR3	
Tool Model:	OPEN	
Performed:	Sun May 12 19:47:53 2013	
Calibrator Value:	200.0	GAPI
Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps
Sensitivity:	2.0000	GAPI/cps