



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company VALHALLA WXPLORATION, LLC.		Company VALHALLA EXPLORATION, LLC.	
Well BARCLAY #1-3	Well BARCLAY #1-3	Well BARCLAY #1-3	
Field PRITCHARD	Field PRITCHARD	Field PRITCHARD	
County STAFFORD	County STAFFORD	State KANSAS	State KANSAS
Location: 1534' FNL & 2216' FWL	API # : 15-185-23846-0000	Other Services CDL/CNL/PE DIL/SONIC	
SEC 3 TWP 21S RGE 14W	Permanent Datum GROUND LEVEL	Elevation 1923	Elevation
Log Measured From KELLY BUSHING 8' A.G.L.	Log Measured From KELLY BUSHING 8' A.G.L.	Elevation 1923	Elevation
Drilling Measured From KELLY BUSHING	Drilling Measured From KELLY BUSHING	Elevation 1923	Elevation
Date 1/9/14	Run Number TWO	Depth Driller 3760	Depth Logger 3761
Bottom Logged Interval 3745	Top Log Interval 2800	Casing Driller 8 5/8" @ 825'	Casing Logger 824
Bit Size 7 7/8"	Type Fluid in Hole CHEMICAL MUD	Density / Viscosity 9.2/56	CHLORIDES 5,800 PPM
pH / Fluid Loss 11.0/7.6	Source of Sample FLOWLINE	Rim @ Meas. Temp .670 @ 62F	Rimf @ Meas. Temp .503 @ 62F
Rimc @ Meas. Temp .804 @ 62F	Source of Rimf / Rimc MEASUREMENT	Rim @ BHT .364 @ 114F	Time Circulation Stopped 3.5 HOURS
Time Logger on Bottom 6:15 A.M.	Maximum Recorded Temperature 114F	Equipment Number 4854	Location HAYS, KANSAS
Recorded By JEFF LUEBBERS	Witnessed By DEREK PATTERSON		

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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

GREAT BEND, KS., 7S. ON HWY 281 TO (STAFFORD COUNTY LINE) 6W. ON "RD. 70", S. INTO



**COMPLETION
& PRODUCTION**

MAIN SECTION

Database File:

22232pe.db

Dataset Pathname:

pass7.3

Presentation Format:

micro

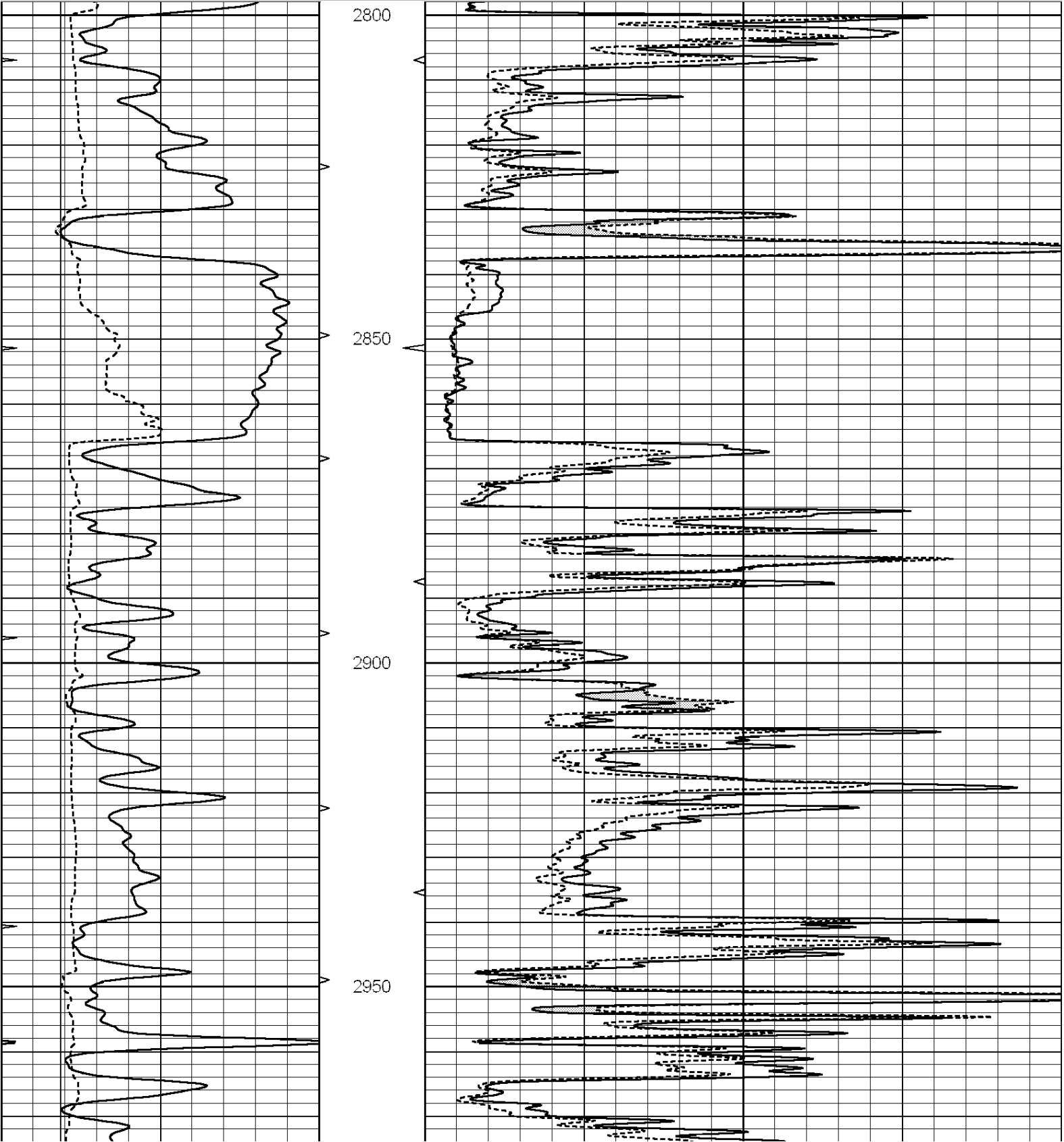
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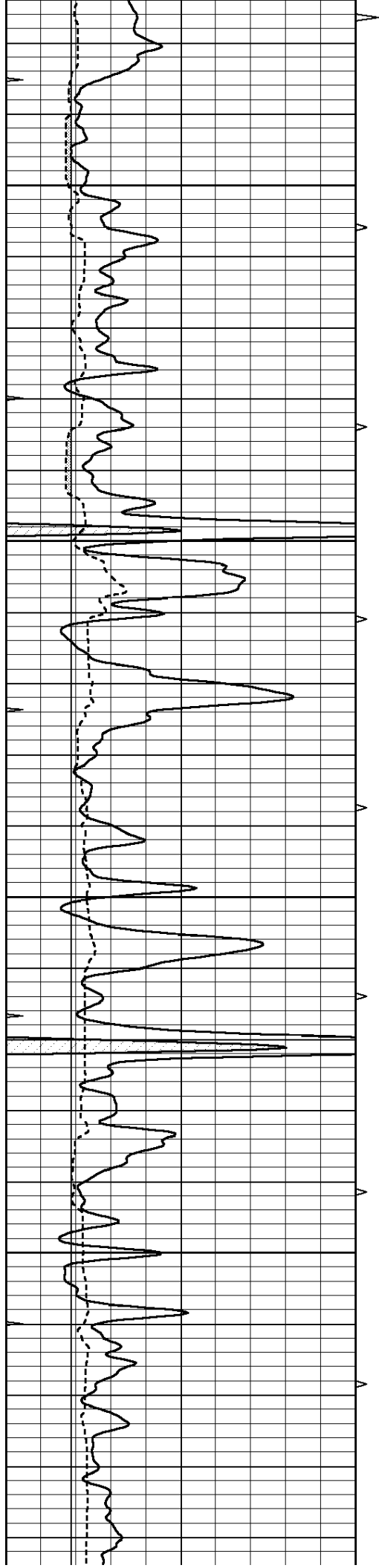
Thu Jan 09 10:40:27 2014

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		



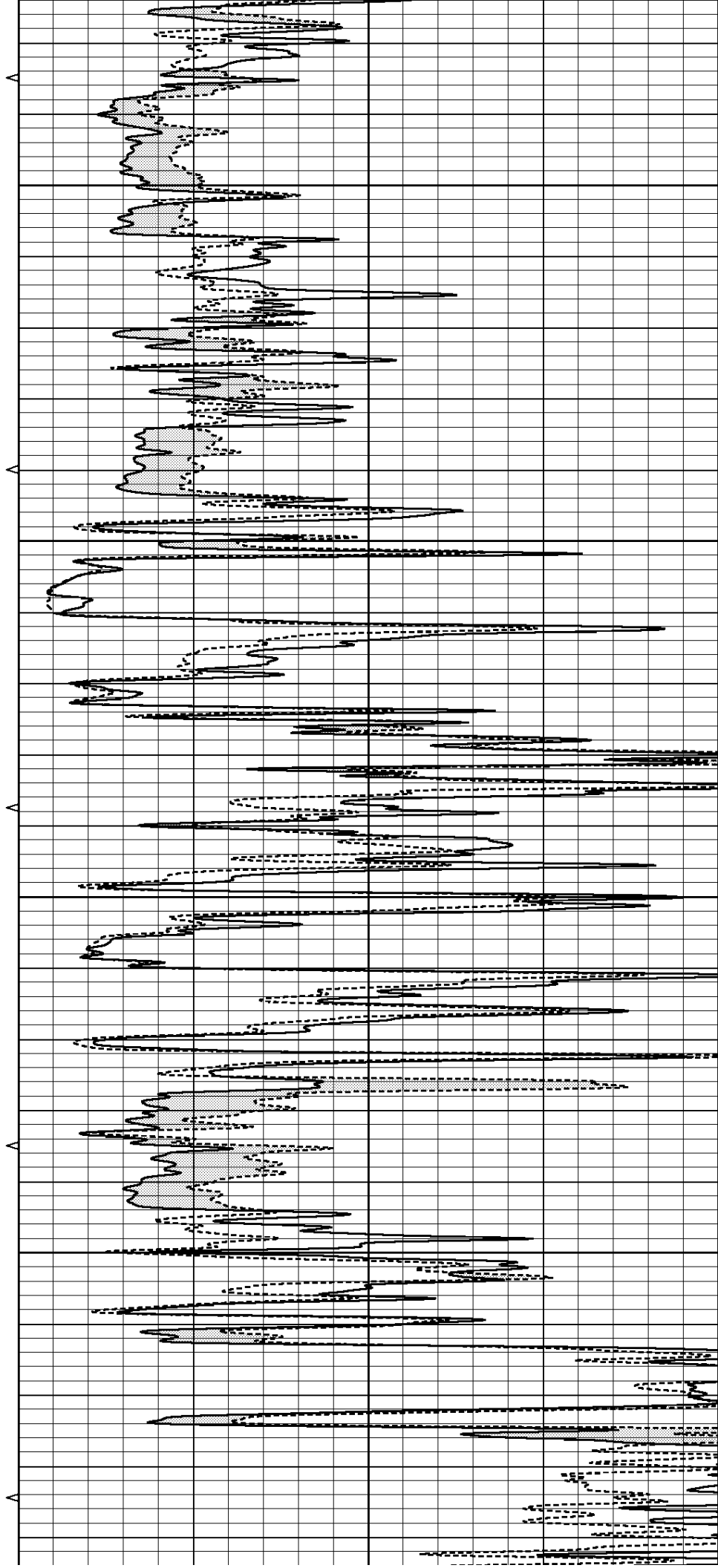


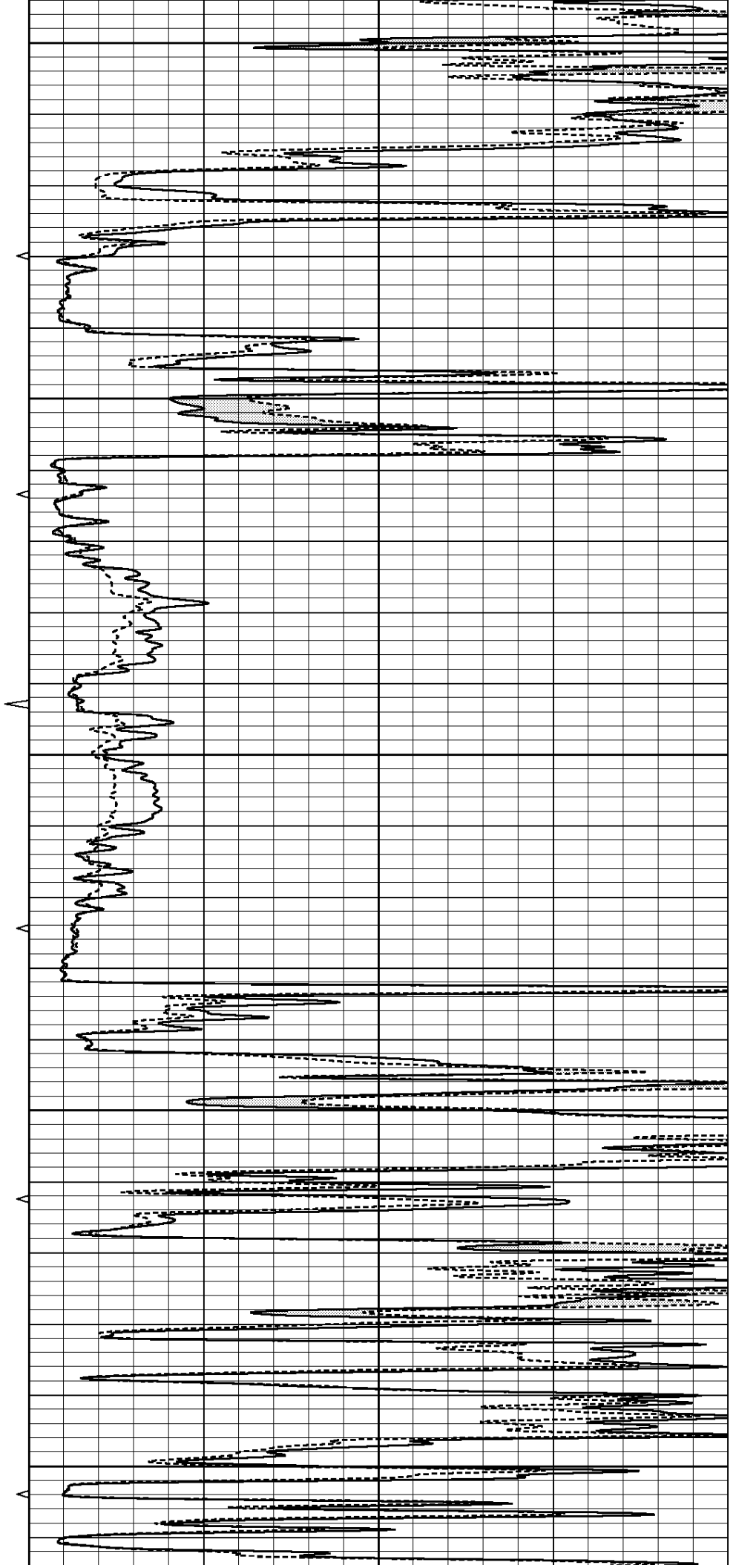
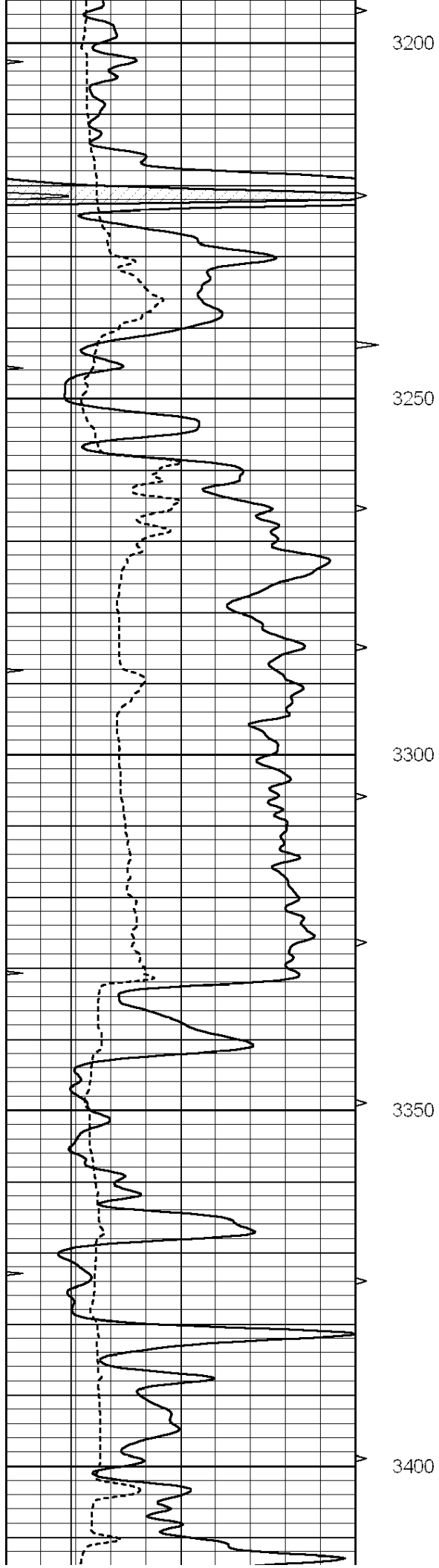
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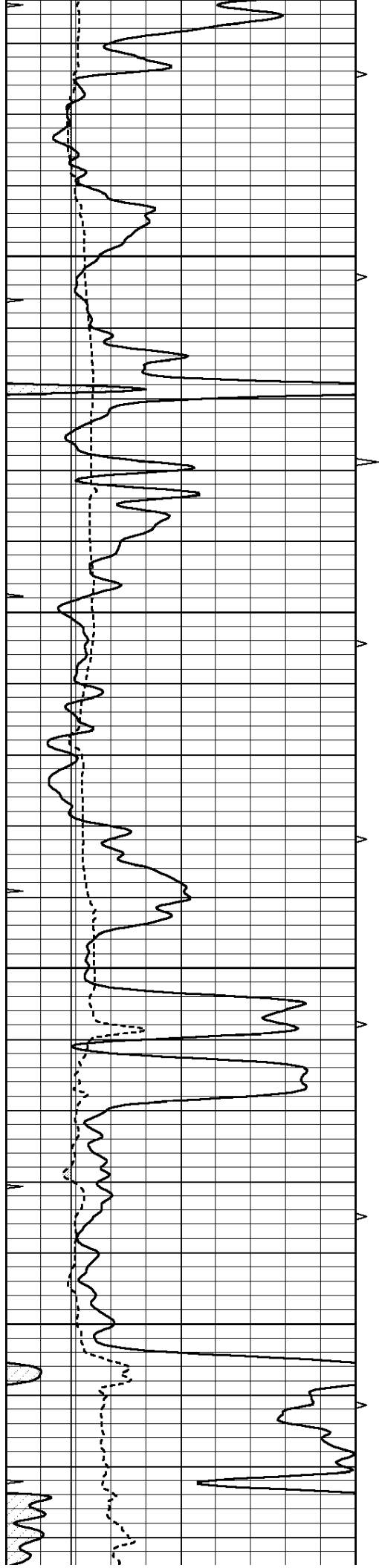
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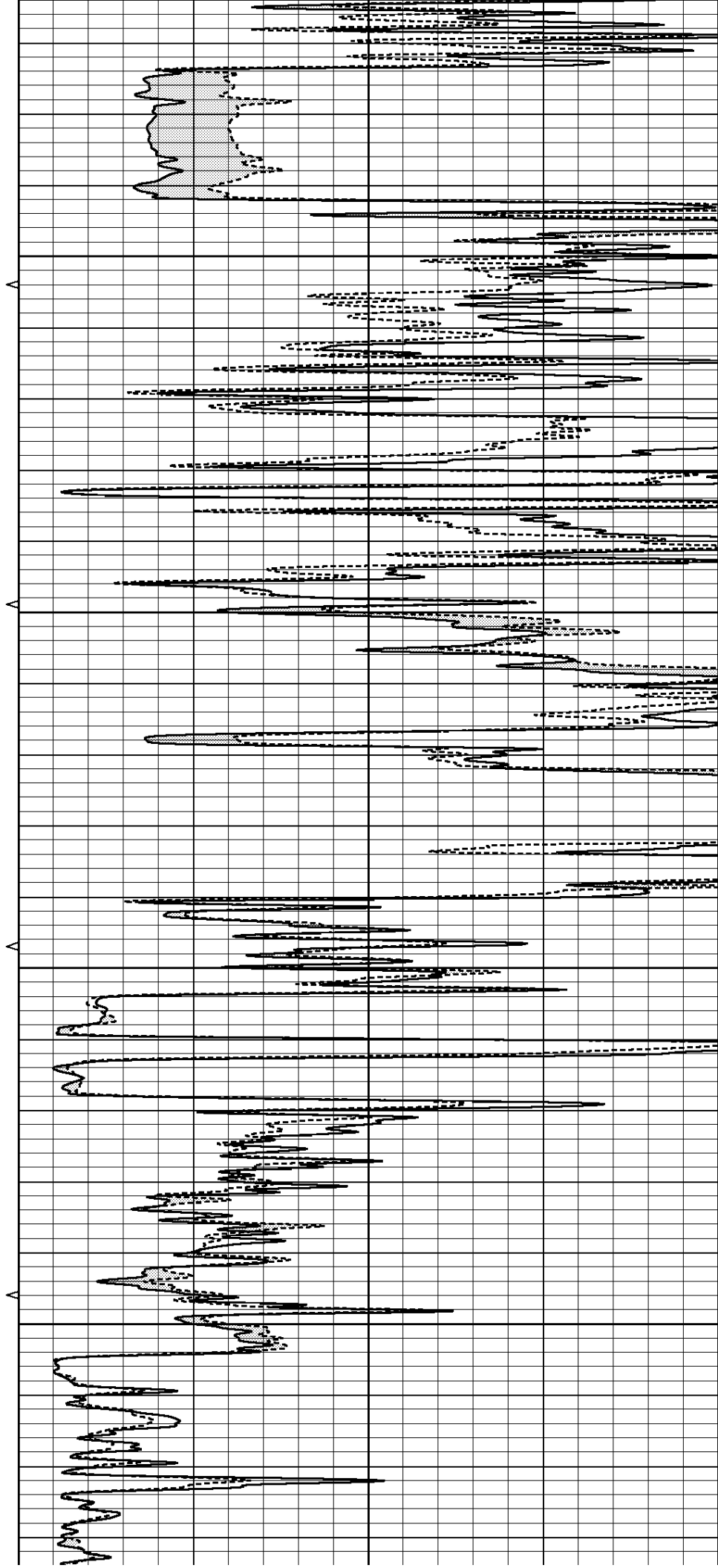


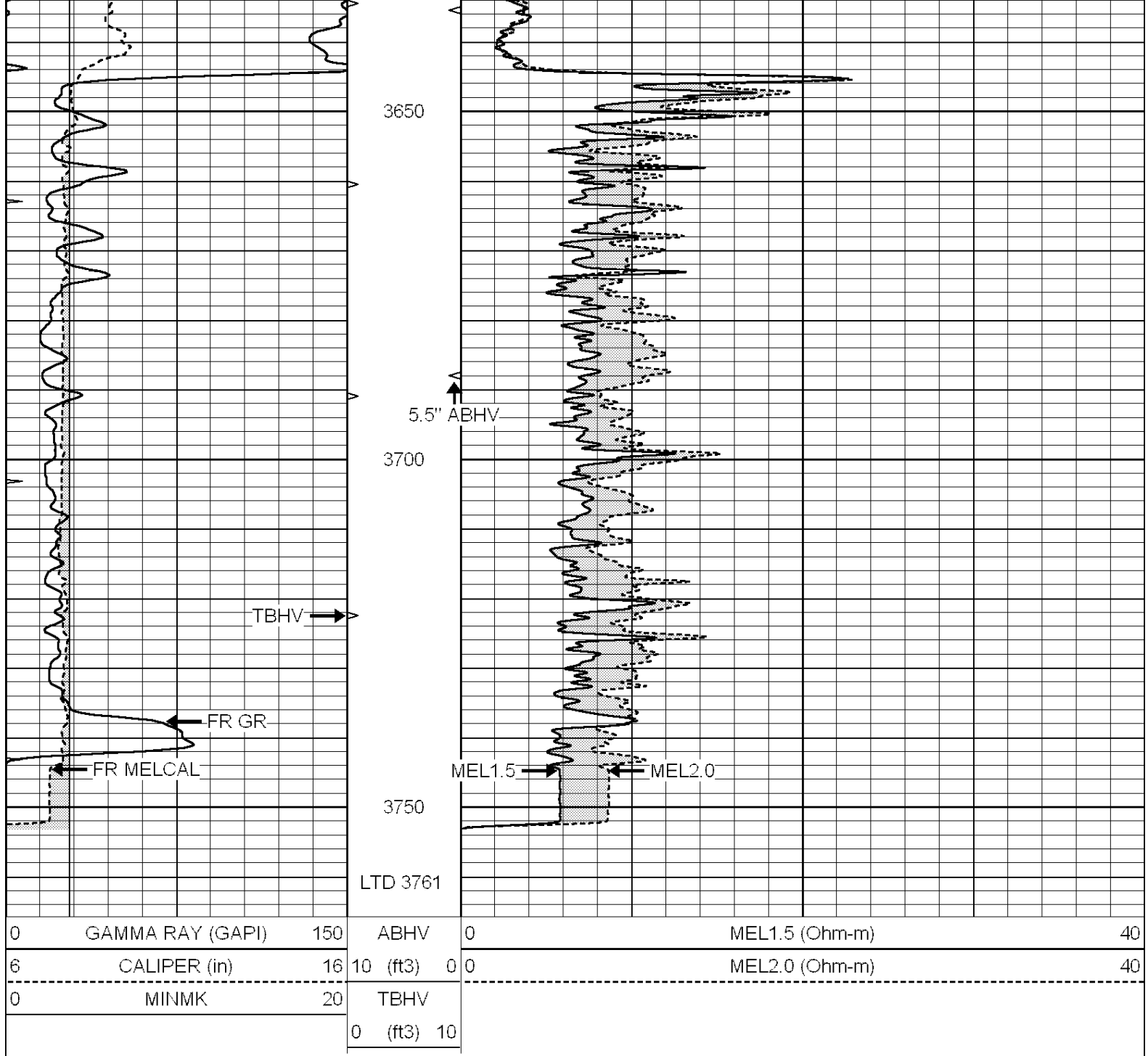
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3500

3550

3600



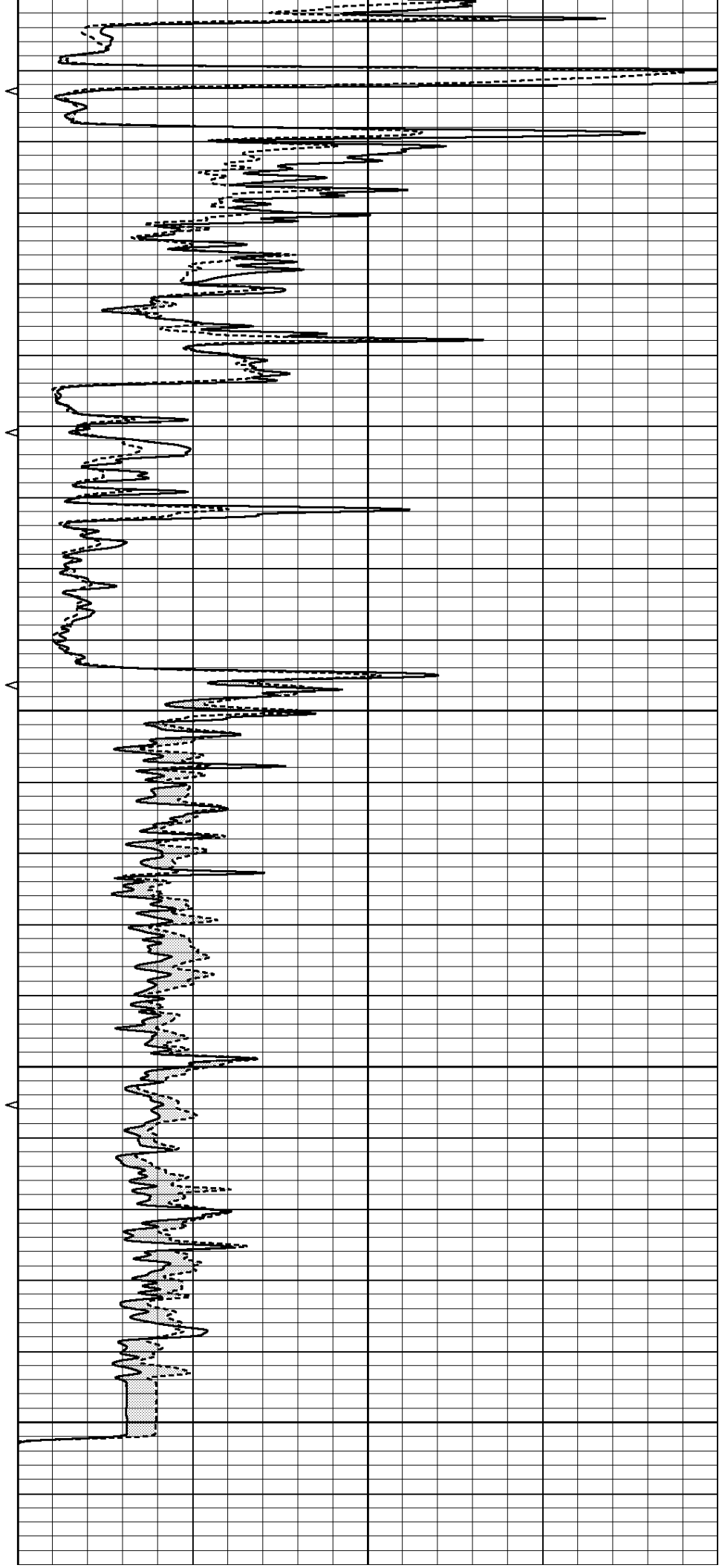
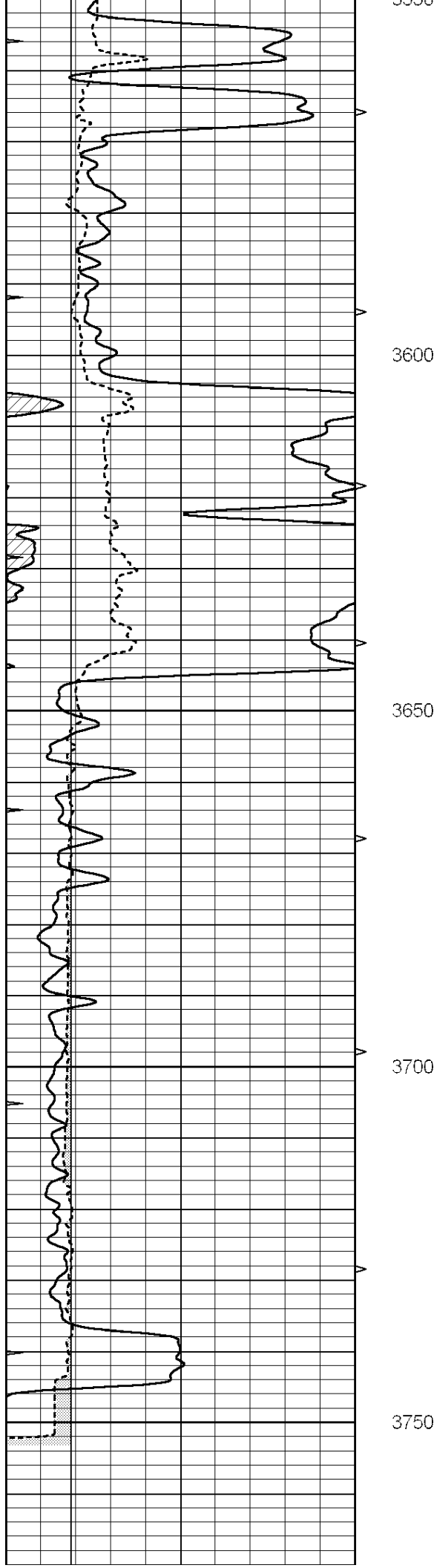


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REPEAT SECTION

Database File: 22232pe.db
Dataset Pathname: pass6.2
Presentation Format: micro
Dataset Creation: Thu Jan 09 09:57:26 2014
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		



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:		22232pe.db	
Dataset Pathname:		pass7.3	
Dataset Creation:		Thu Jan 09 10:40:27 2014	
MICRO Calibration Report			
Serial Number:		070911	
Tool Model:		ProbeN	
Performed:		Thu Jan 09 08:46:43 2014	
Caliper Calibration:		Gain=3.707	Offset=3.307
		Low Cal	High Cal
References		8.000	15.000
Readings		1.266	3.155
1.5" Calibration:		Gain=30.000	Offset=0.000
		Low Cal	High Cal
References		0.000	20.000
Readings		0.001	1.276
2" Calibration:		Gain=45.000	Offset=-0.500
		Low Cal	High Cal
References		0.000	20.000
Readings		0.003	1.108
Gamma Ray Calibration Report			
Serial Number:		070558	
Tool Model:		OPEN_GR	
Performed:		Thu Dec 19 13:55:27 2013	
Calibrator Value:		1.0	GAPI
Background Reading:		0.0	cps
Calibrator Reading:		1.0	cps
Sensitivity:		0.2200	GAPI/cps