



SUPERIOR
Hays,
Kansas

MICRO
LOG

Company OIL PRODUCERS INC. OF KANSAS
Well HAWES RANCH #1B-14
Field WILDCAT
County FORD
State KANSAS

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County FORD State KANSAS

Location: API # : 15-057-20837-0000

2309 FSL & 901 FWL

SEC 14 TWP 28S RGE 23W

Permanent Datum GROUND LEVEL Elevation 2423
Log Measured From KELLY BUSHING 12' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL/PE
DIL/SONIC

Elevation

K.B. 2435
D.F. 2433
G.L. 2423

Date	8/31/12		
Run Number	TWO		
Depth Driller	5276		
Depth Logger	5256		
Bottom Logged Interval	5234		
Top Log Interval	4100		
Casing Driller	8 5/8" @ 742'		
Casing Logger	742		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,000 PPM	
Density / Viscosity	9.0/47		
pH / Fluid Loss	9.0/11.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.450 @ 95F		
Rmt @ Meas. Temp	.338 @ 95F		
Rmc @ Meas. Temp	.540 @ 95F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.338 @ 127F		
Time Circulation Stopped	5.5 HOURS		
Time Logger on Bottom	2:30 P.M.		
Maximum Recorded Temperature	127F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	PAUL GERLACH		

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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 SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
FORD, KS., 2W. ON "SADDLE RD.", 2S., 1W., 1/2S., E. INTO

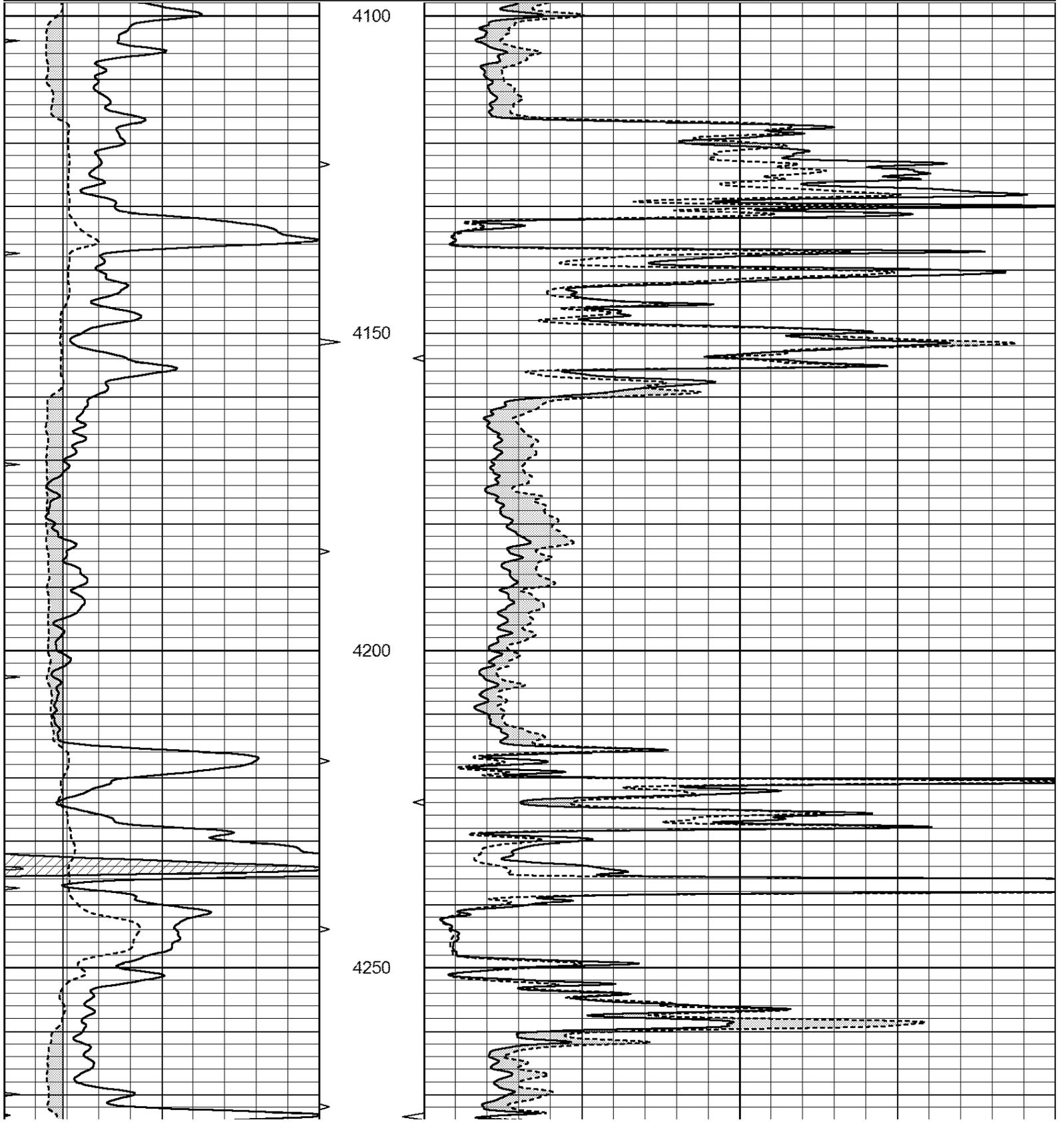


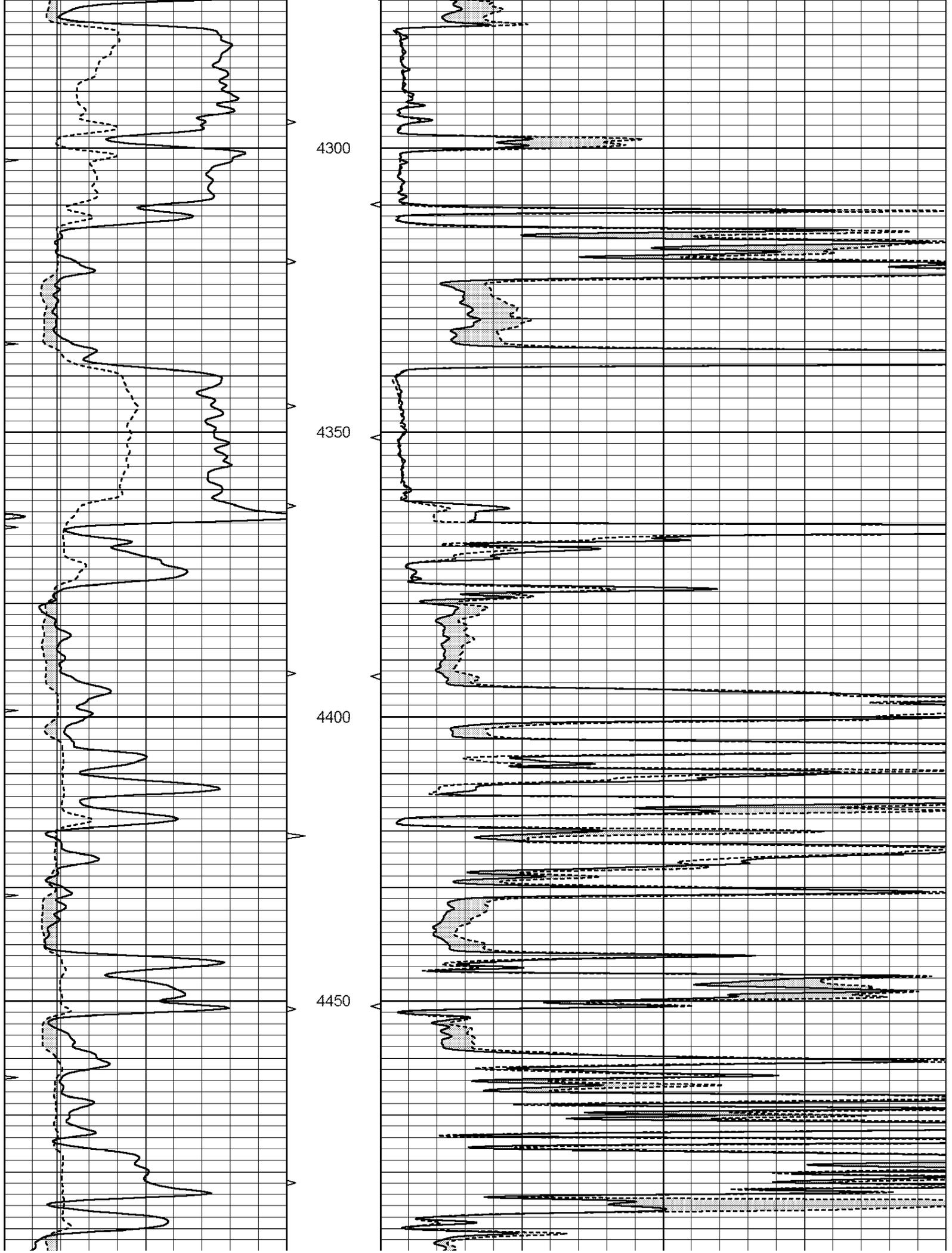
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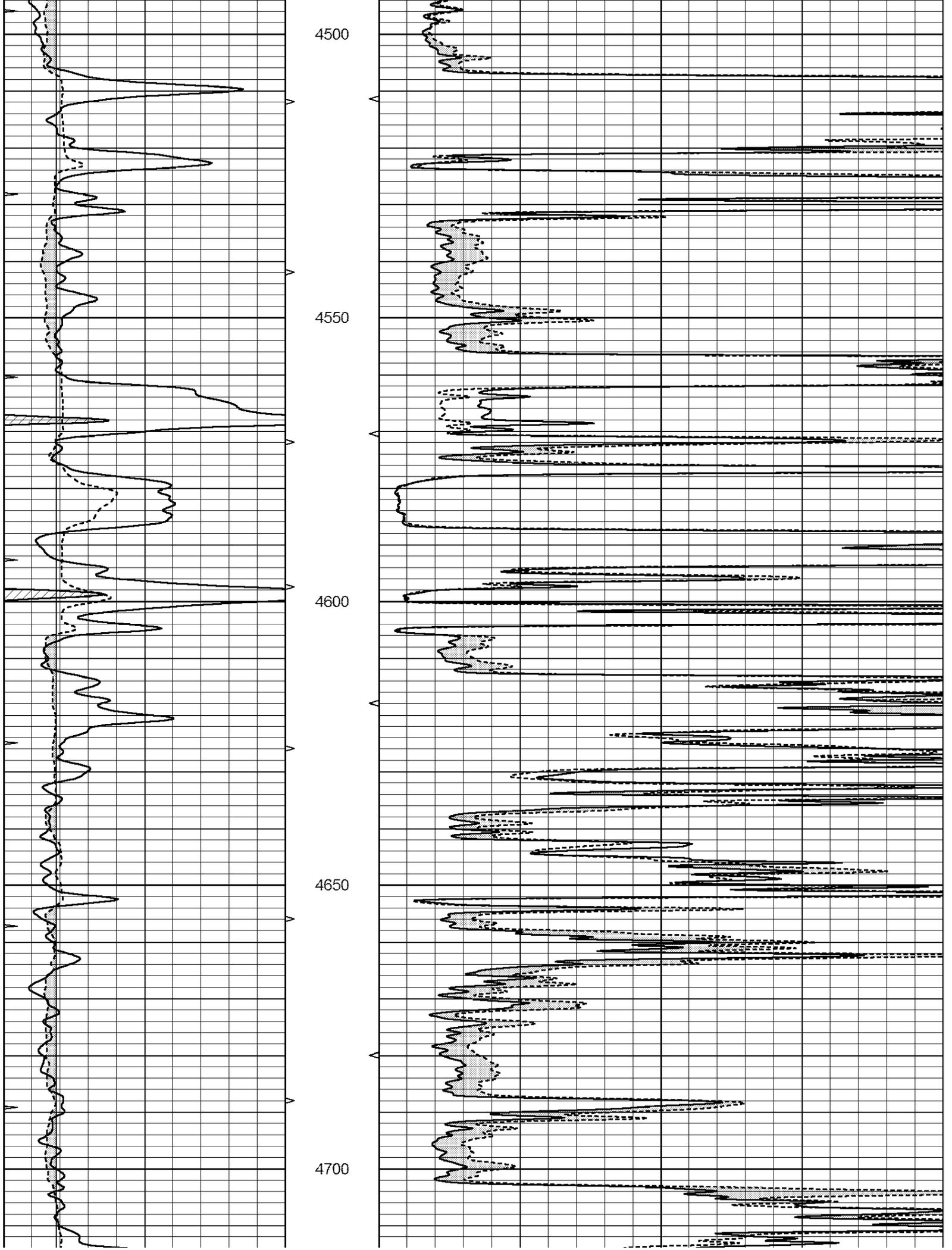
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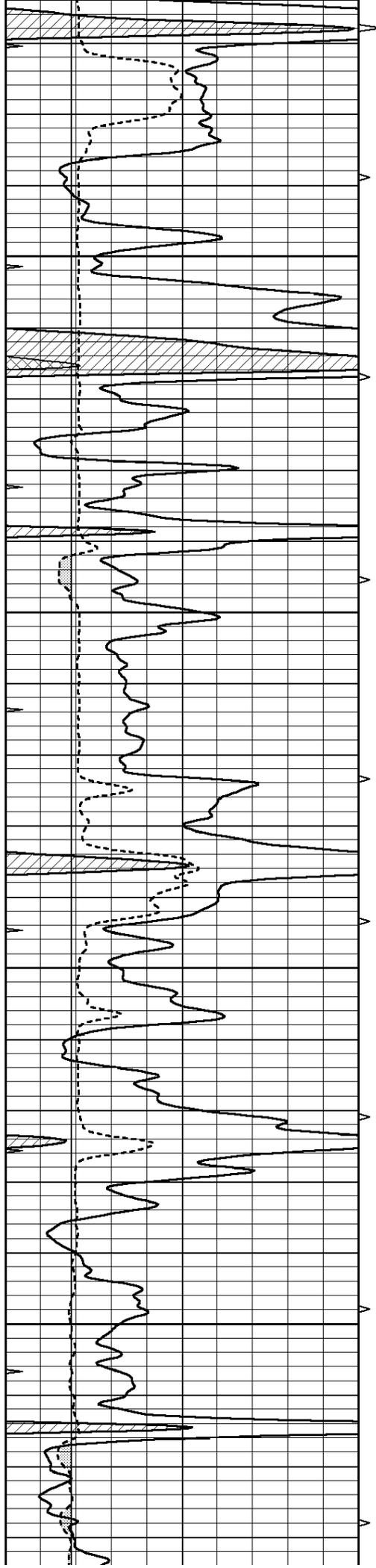
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 Presentation Format: micro
 Dataset Creation: Fri Aug 31 19:01:45 2012
 Charted by: Depth in Feet scaled 1:240

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		







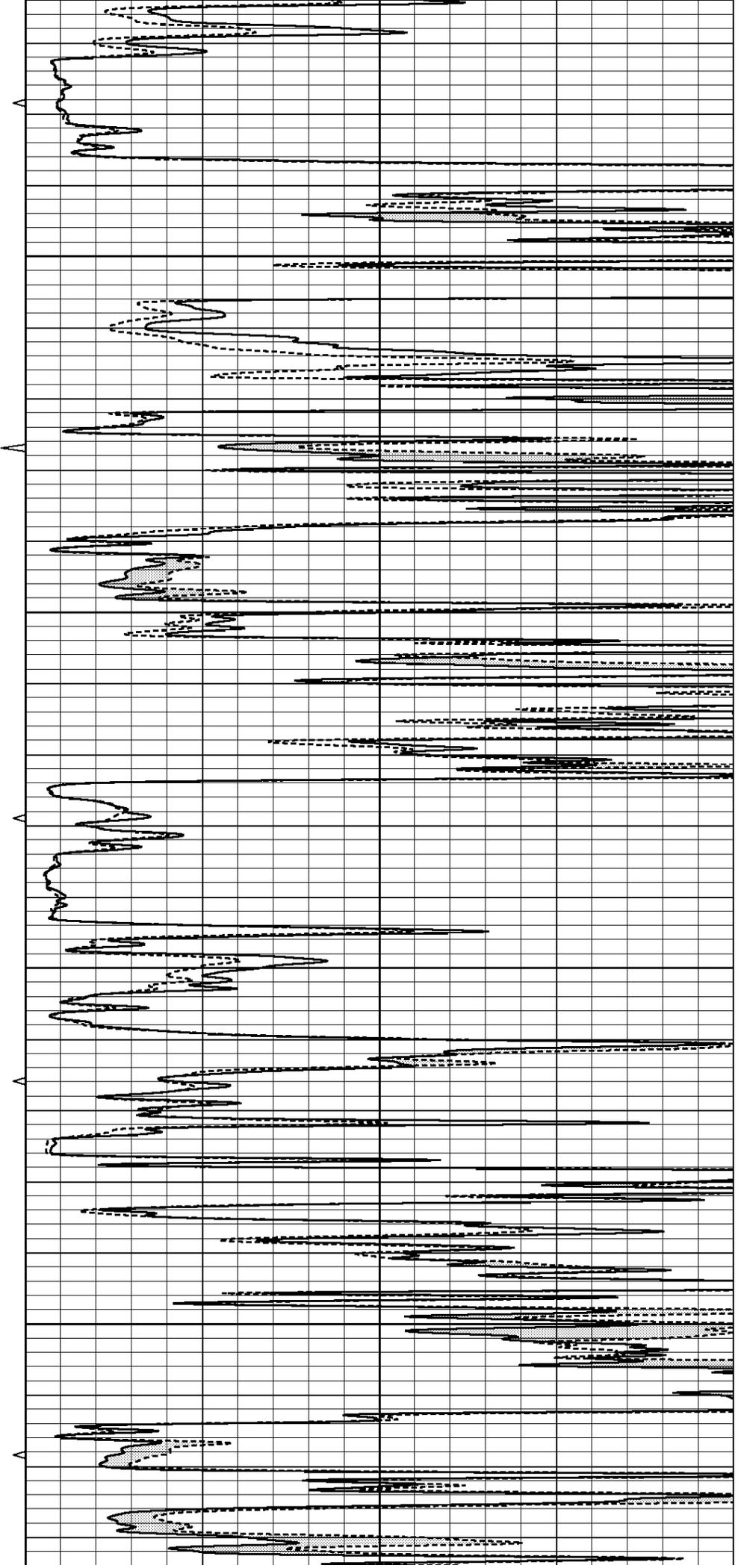


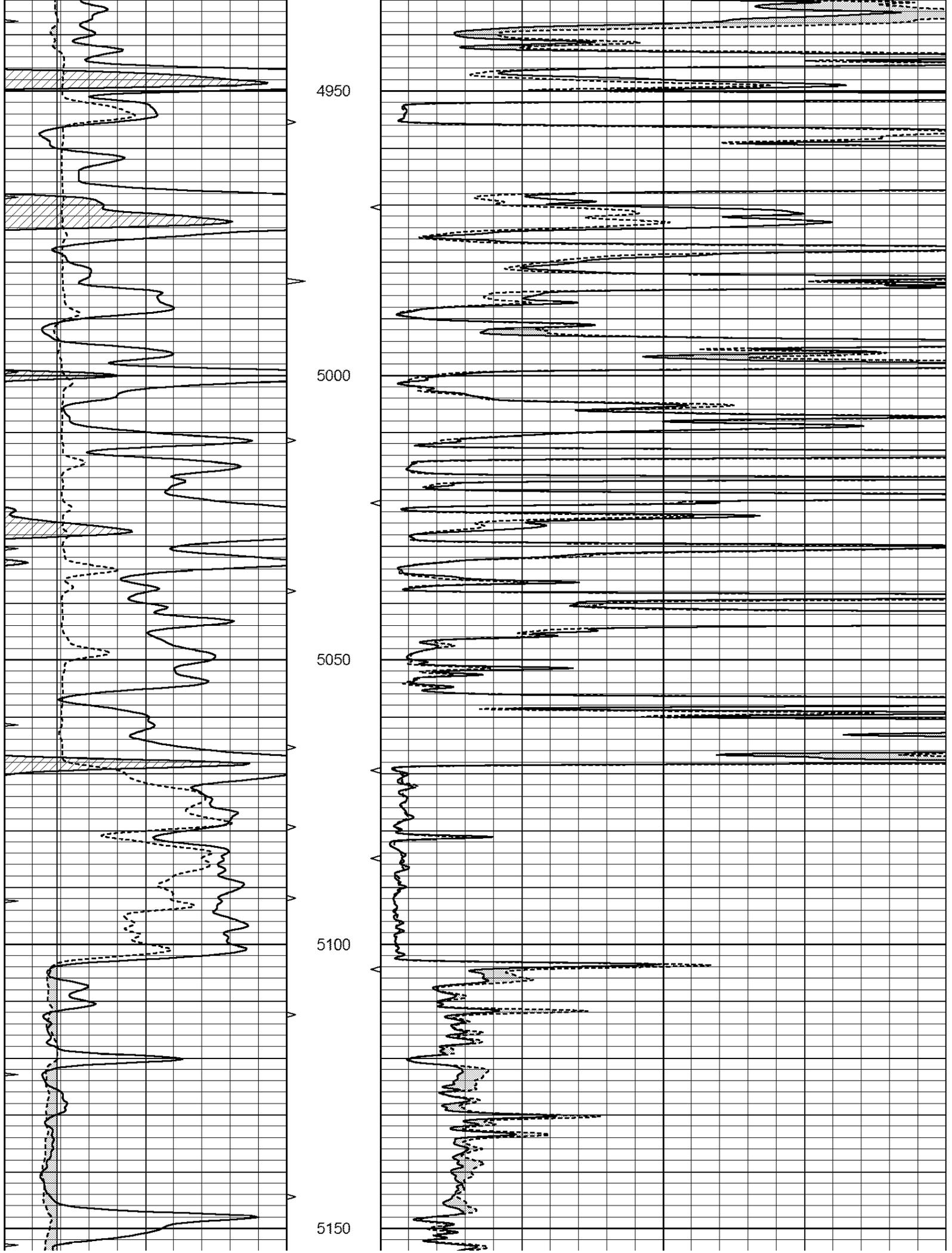
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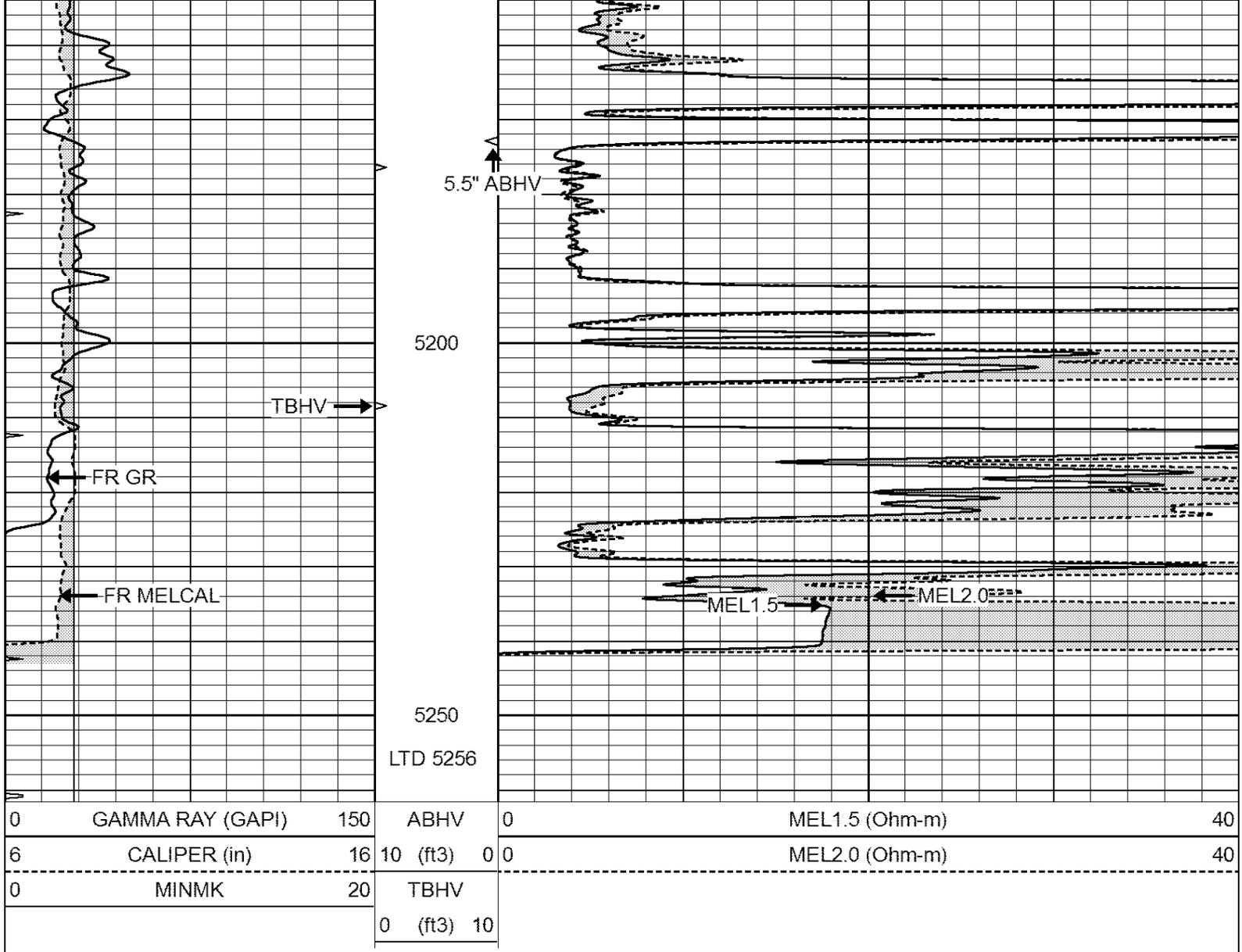
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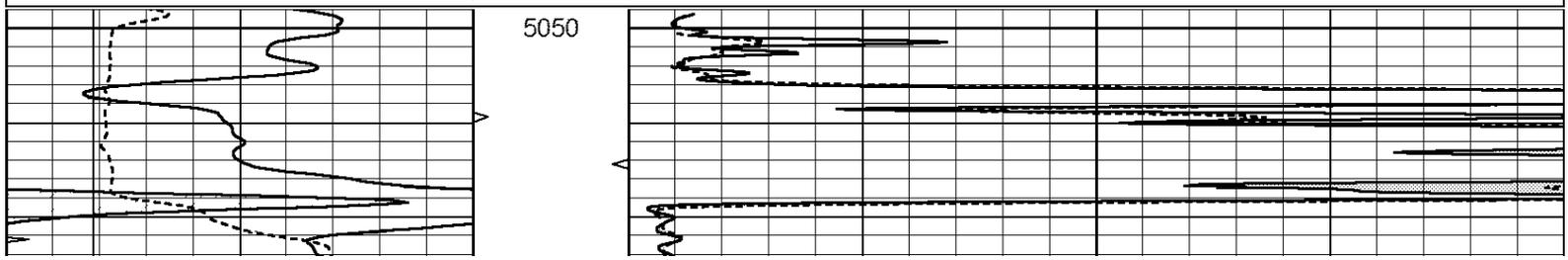


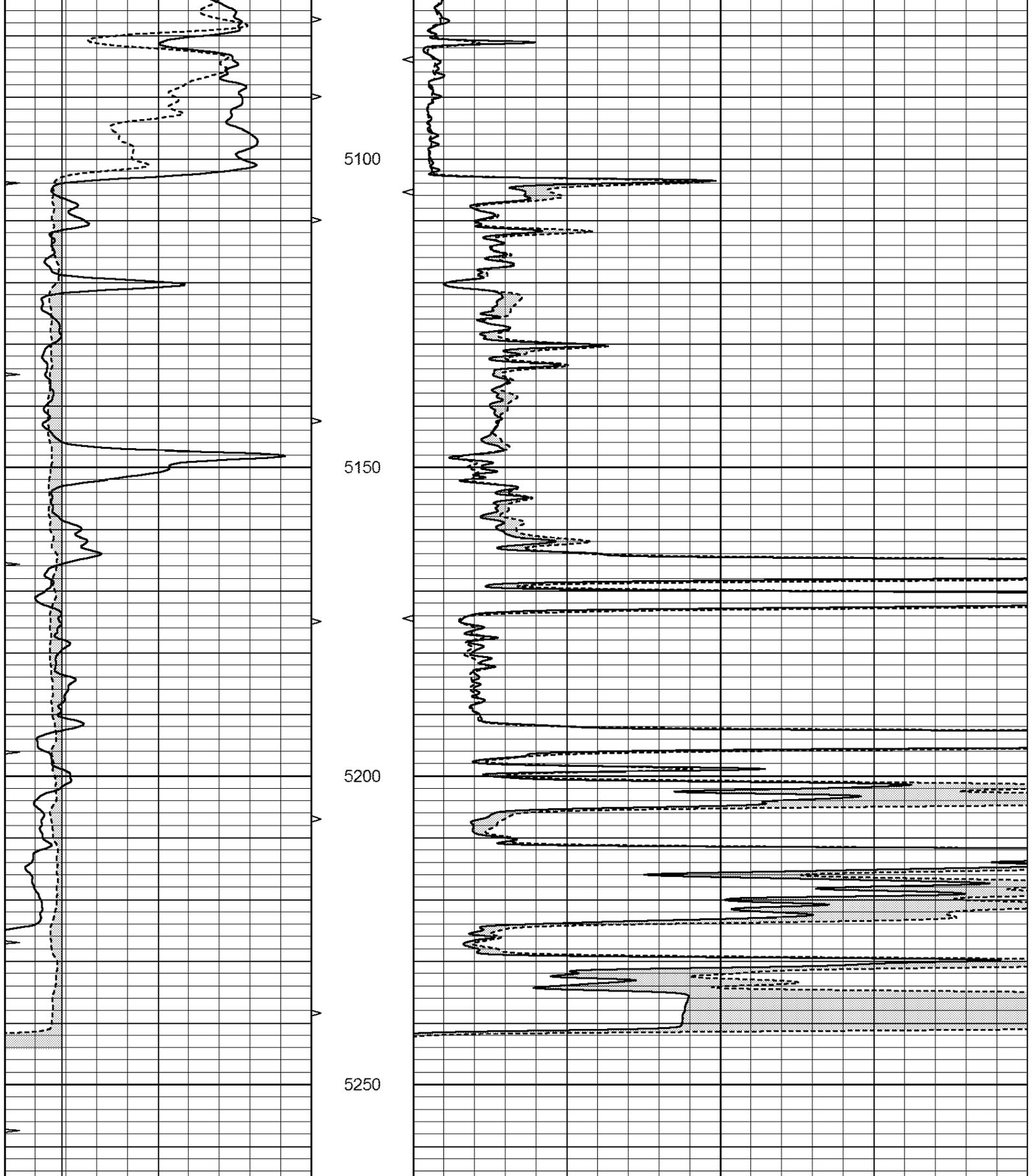
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REPEAT SECTION

Database File: 409515pe.db
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 Presentation Format: micro
 Dataset Creation: Fri Aug 31 17:45:05 2012
 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		

Database File: 409515pe.db
Dataset Pathname: pass6.2
Dataset Creation: Fri Aug 31 19:01:45 2012

MICRO Calibration Report

Serial Number: MICRO5
Tool Model: PROBE
Performed: Fri Aug 31 17:45:22 2012

Caliper Calibration:	Gain=4.100	Offset=-9.010
	Low Cal	High Cal
References	7.800	16.000
Readings	4.100	6.100

1.5" Calibration:	Gain=36.000	Offset=-0.500
	Low Cal	High Cal
References	0.000	20.000
Readings	-0.002	0.981

2" Calibration:	Gain=40.000	Offset=-0.400
	Low Cal	High Cal
References	0.000	20.000
Readings	0.002	0.898

Gamma Ray Calibration Report

Serial Number: GR3
Tool Model: OPEN
Performed: Tue Aug 21 14:55:17 2012

Calibrator Value:	200.0	GAPI
Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps
Sensitivity:	0.9500	GAPI/cps