



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company		MULL DRILLING COMPANY, INC.	
Well	#1-24 ERB UNIT		
Field	WILDCAT		
County	NESS	State	KANSAS
Location:	APL # : 15-135-25773-0000		Other Services CDL/CNL/PE DIL/SONIC
Permanent Datum		GROUND LEVEL	Elevation 2229
Log Measured From		KELLY BUSHING 5' A.G.L.	
Drilling Measured From		KELLY BUSHING	Elevation K.B. 2234 D.F. 2232 G.L. 2229
Date	5/13/14		
Run Number	TWO		
Depth Driller	4475		
Depth Logger	4476		
Bottom Logged Interval	4460		
Top Log Interval	3500		
Casing Driller	8 5/8"@216'		
Casing Logger	218		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,800 PPM	
Density / Viscosity	9.5/53		
pH / Fluid Loss	9.5/7.6		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.500@85F		
Rmf @ Meas. Temp	.375@85F		
Rmc @ Meas. Temp	.600@85F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.354@120F		
Time Circulation Stopped	4.5 HOURS		
Time Logger on Bottom	11:15 P.M.		
Maximum Recorded Temperature	120F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KEVIN KESSLER		

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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
NESS CITY, KS., 4E. ON HWY 96 TO "RD. W", 4S. TO "RD. 90", 1/4E., S. INTO



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MAIN SECTION

Database File:

24153pe.db

Dataset Pathname:

pass6.9

Presentation Format:

micro

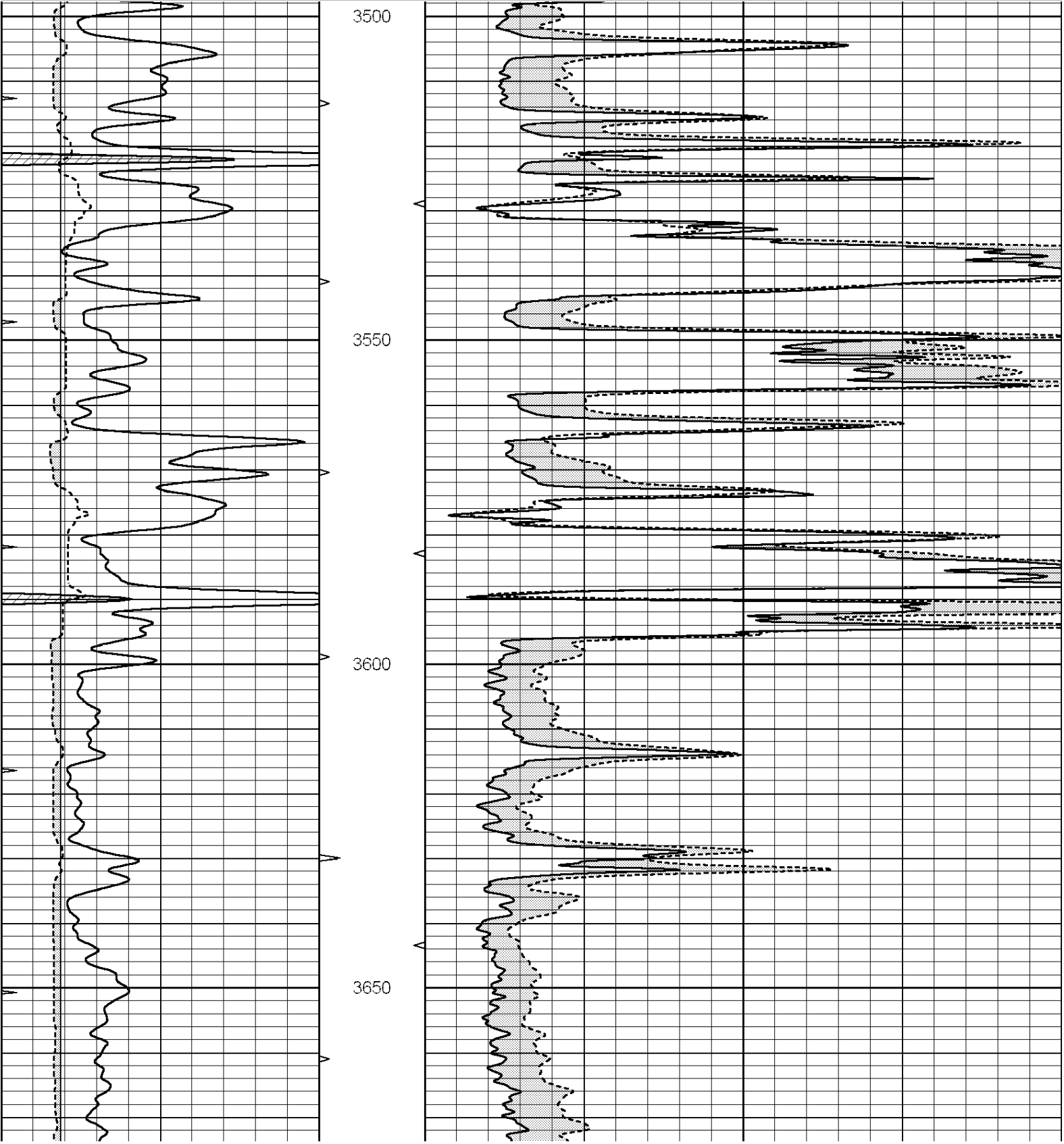
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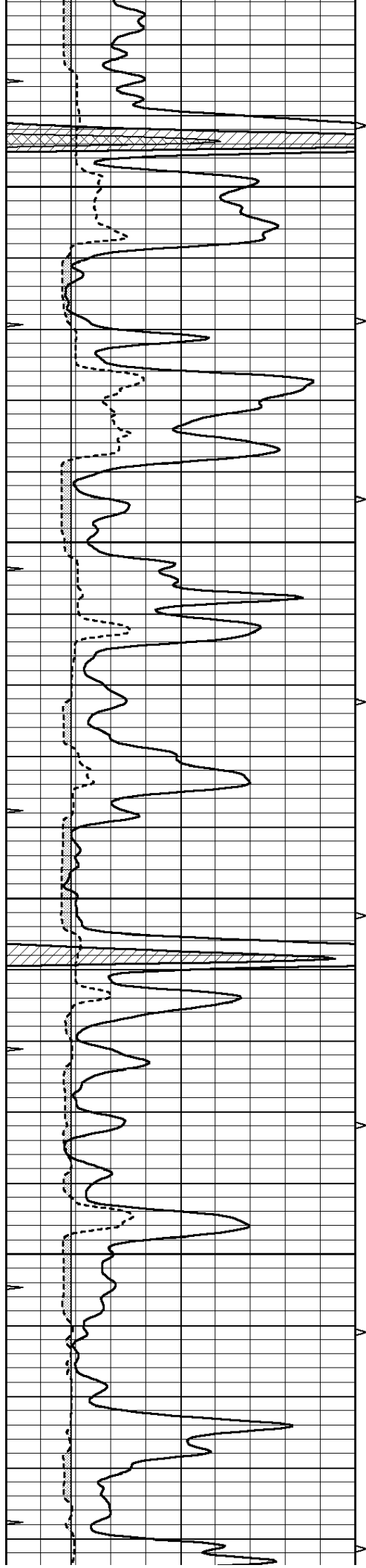
Wed May 14 04:15:16 2014

Charted by:

Depth in Feet scaled 1:240

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



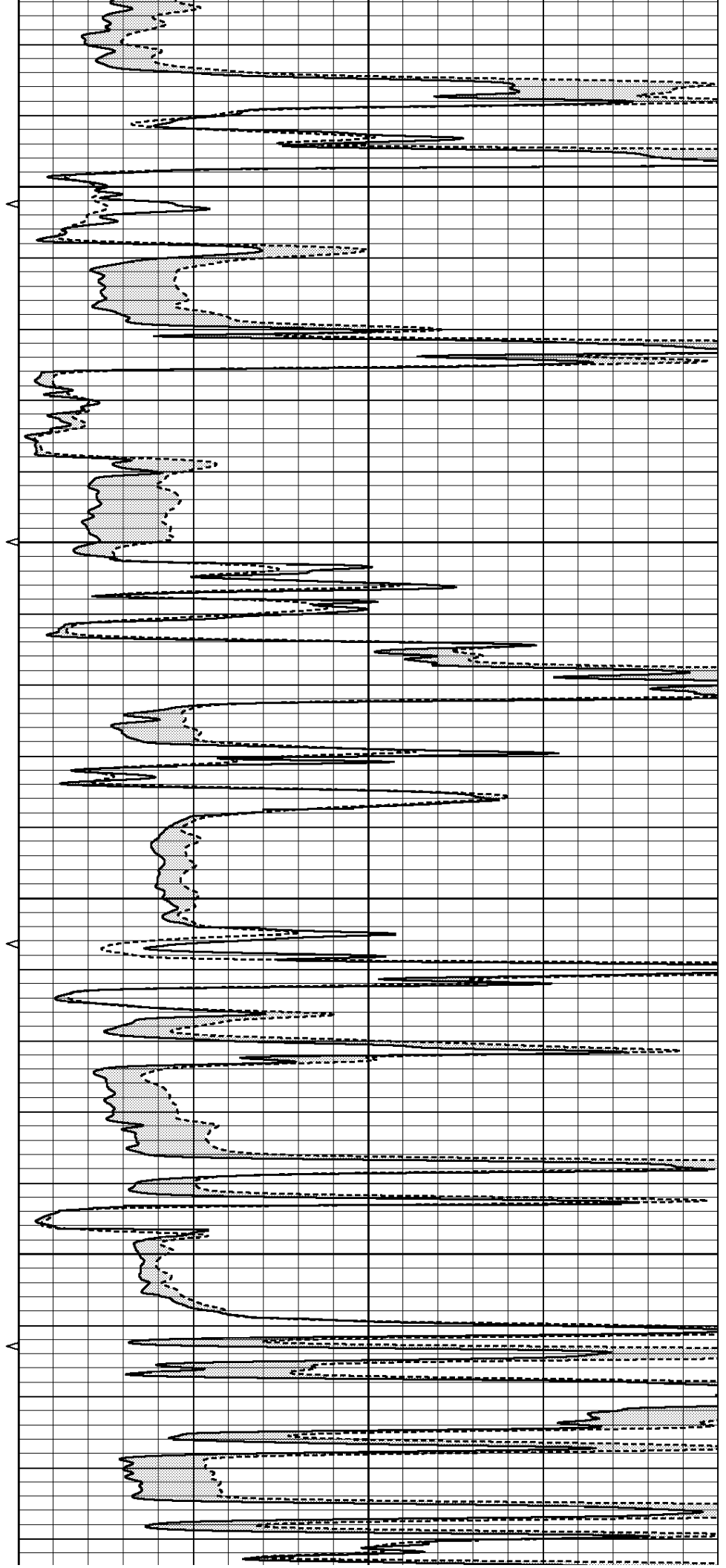


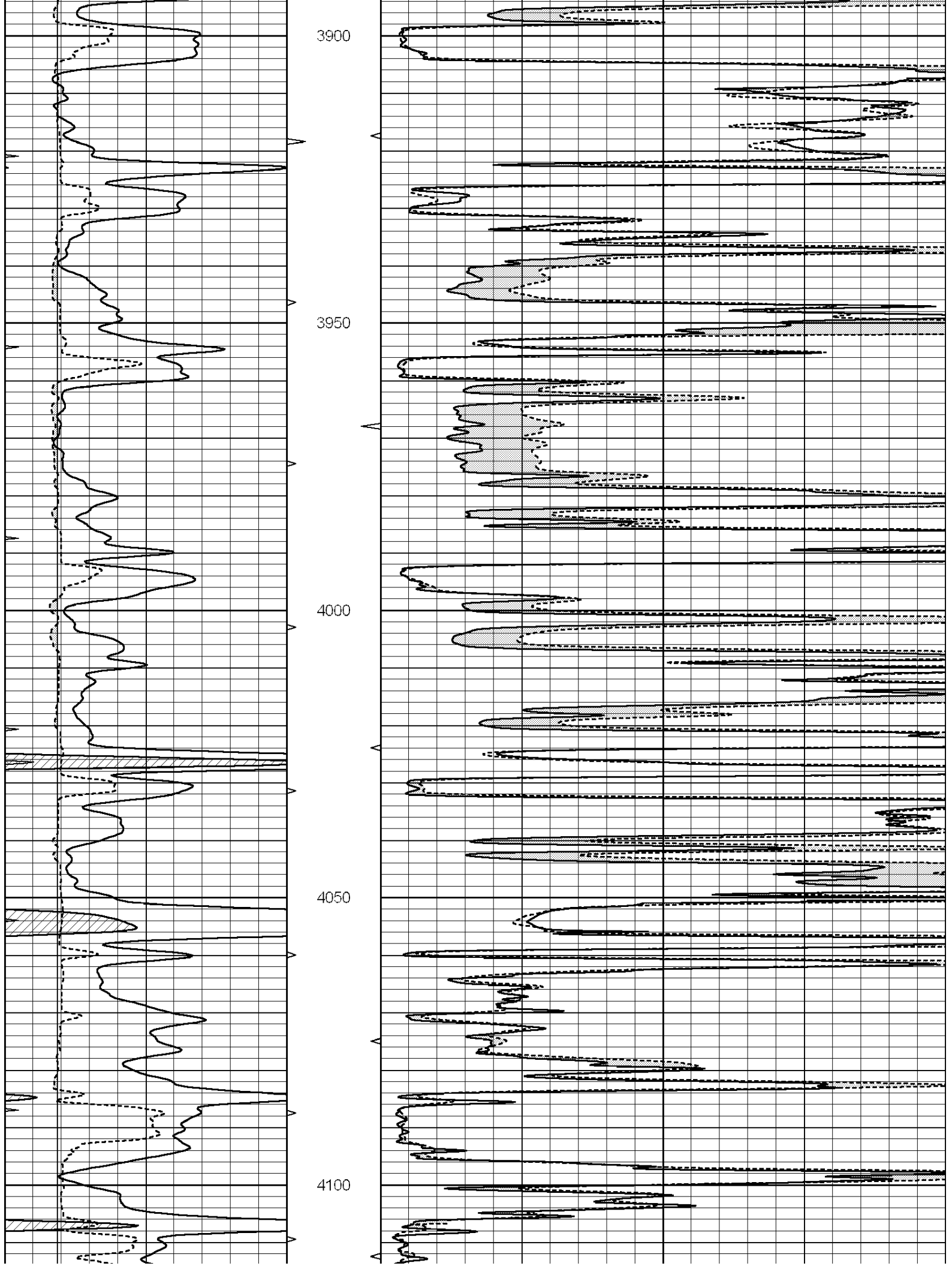
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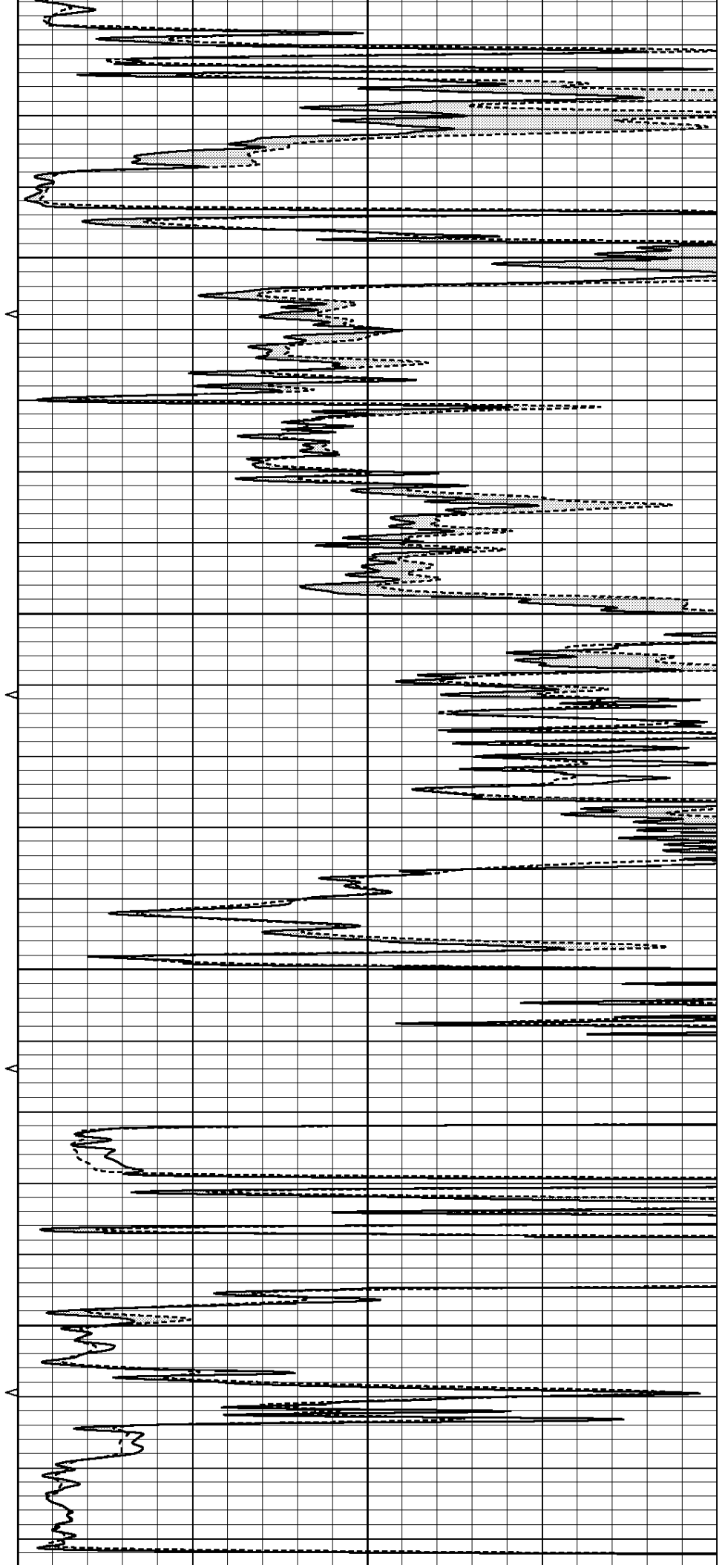
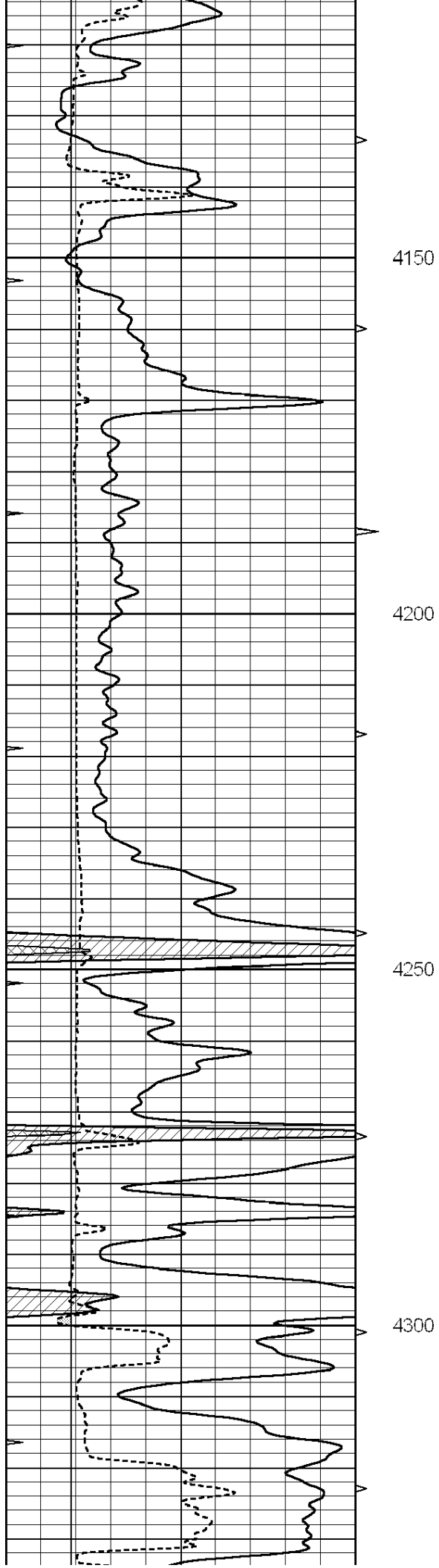
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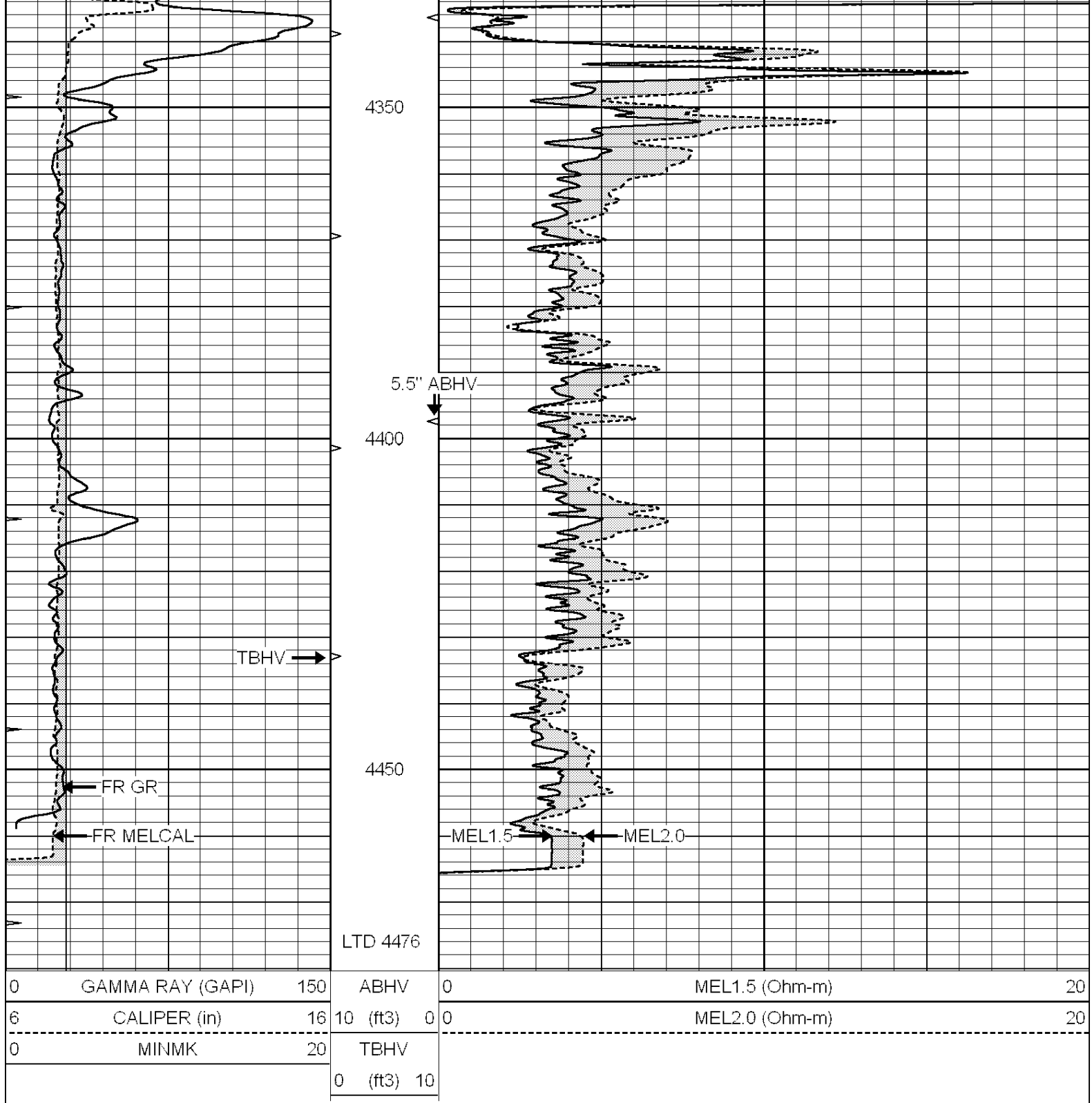
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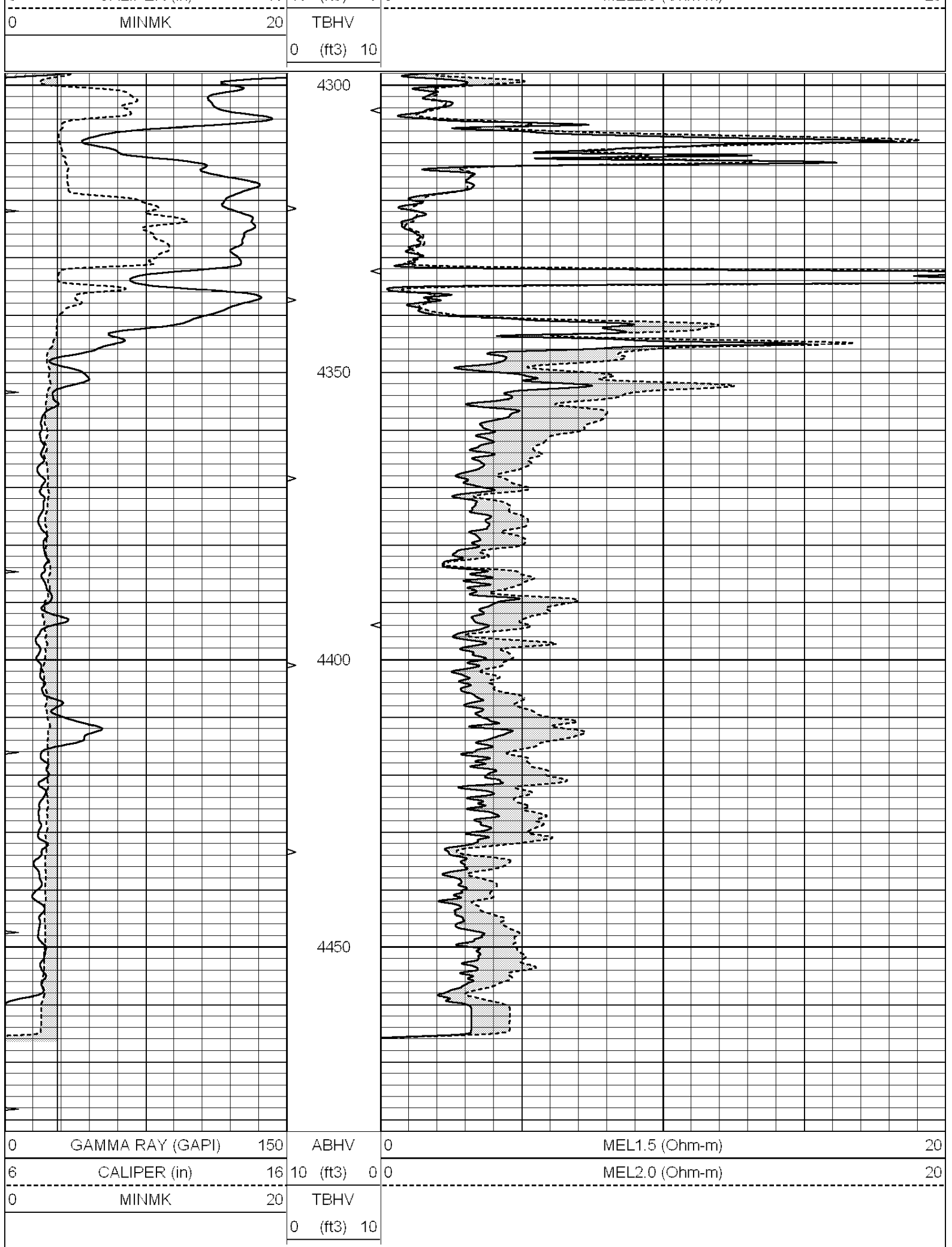


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REPEAT SECTION

Database File: 24153pe.db
Dataset Pathname: pass5.8
Presentation Format: micro
Dataset Creation: Wed May 14 04:21:04 2014 by Calc SOC 120430
Charted by: Depth in Feet scaled 1:240

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



Calibration Report

Database File: 24153pe.db
 Dataset Pathname: pass6.9
 Dataset Creation: Wed May 14 04:15:16 2014

MICRO Calibration Report

Serial Number: 070911
 Tool Model: ProbeN
 Performed: Wed May 14 01:34:49 2014

Caliper Calibration: Gain=3.867 Offset=2.545
 Low Cal High Cal
 References 7.500 15.000
 Readings 1.281 3.221

1.5" Calibration: Gain=36.000 Offset=0.000
 Low Cal High Cal
 References 0.000 20.000
 Readings 0.001 1.274

2" Calibration: Gain=28.000 Offset=-0.500
 Low Cal High Cal
 References 0.000 20.000
 Readings 0.003 1.107

Gamma Ray Calibration Report

Serial Number: 070559
 Tool Model: OPEN_GR
 Performed: Mon Mar 24 02:01:13 2014

Calibrator Value: 1.0 GAPI
 Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps
 Sensitivity: 0.2200 GAPI/cps