



**Casedhole
Solutions**

**MICRO
LOG**

Company	SHELBY RESOURCES, LLC.		
Well	ELSIE UNIT #1-3		
Field			
County	PAWNEE	State	KANSAS
Location:	APL # : 15-145-21812-00-00 2326' FSL & 168' FEL		Other Services CDL/CNL DIL/SON
Permanent Datum	SEC 3	TWP 22S	RGE 16W
Log Measured From	GROUND LEVEL		Elevation 1989
Drilling Measured From	KELLY BUSHING 11' A.G.L.		Elevation K.B. 2000 D.F. 1998 G.L. 1989
Date	11/12/15		
Run Number	TWO		
Depth Driller	4115		
Depth Logger	4116		
Bottom Logged Interval	4094		
Top Log Interval	3100		
Casing Driller	8 5/8" @ 1016		
Casing Logger	1015		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5500 PPM	
Density / Viscosity	9.5/61		
pH / Fluid Loss	9.0/8.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.70 @ 55F		
Rmt @ Meas. Temp	.52 @ 55F		
Rmc @ Meas. Temp	.84 @ 55F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.32 @ 117F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	117F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	JEREMIE SCHWARTZ		

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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 CASEDHOLE SOLUTIONS, HAYS, KS. (785) 628-6395
DIRECTIONS:
LARNED, KS. - SOUTH TO HWY 19 - 1 1/2 EAST TO 90TH RD. - 1/4 NORTH - WEST INTO

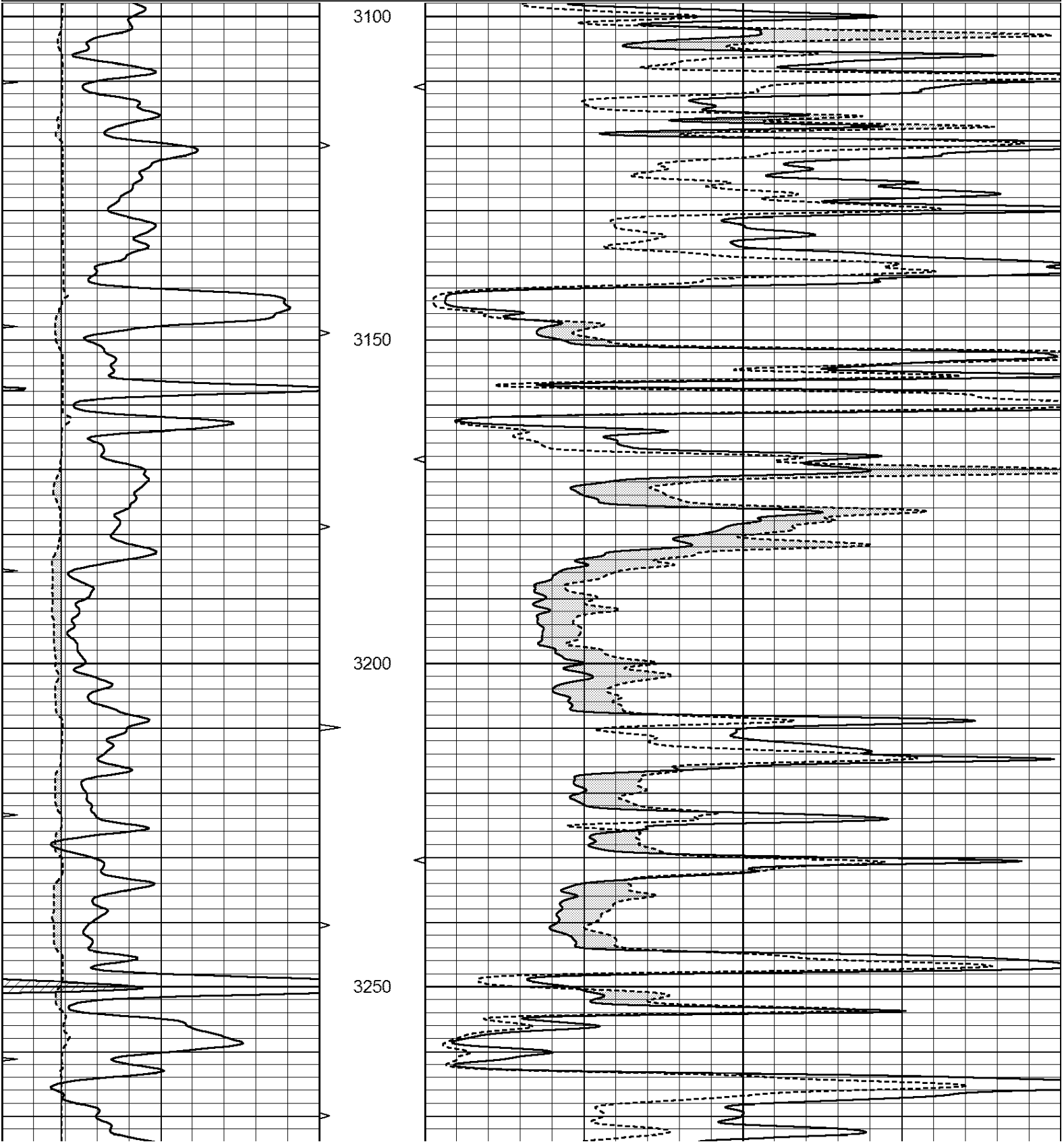


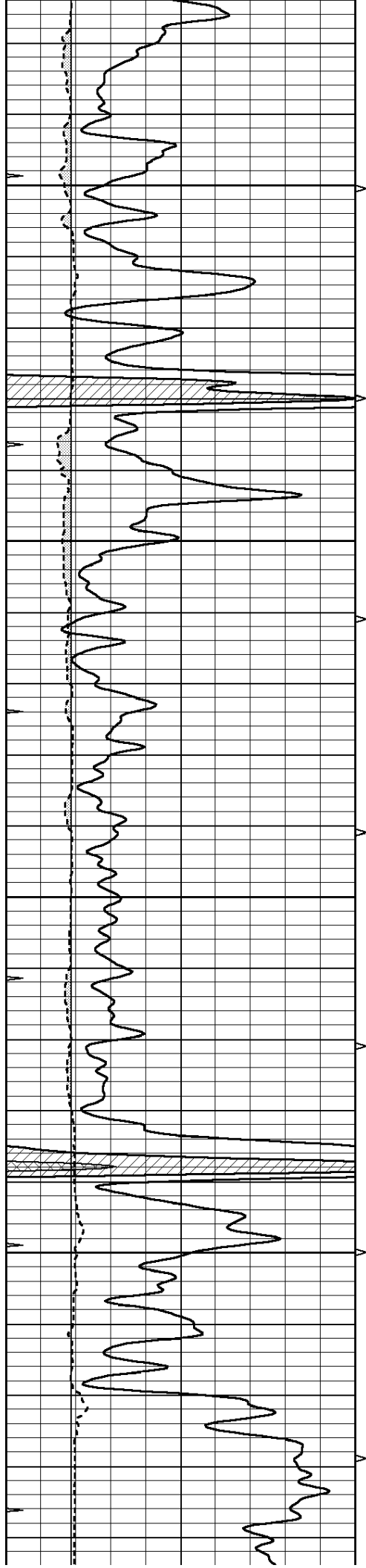
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MAIN SECTION

Database File: 30882ddn.db
Dataset Pathname: pass6.1
Presentation Format: _micro
Dataset Creation: Thu Nov 12 07:52:27 2015 by Calc Open-Cased 090629
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		



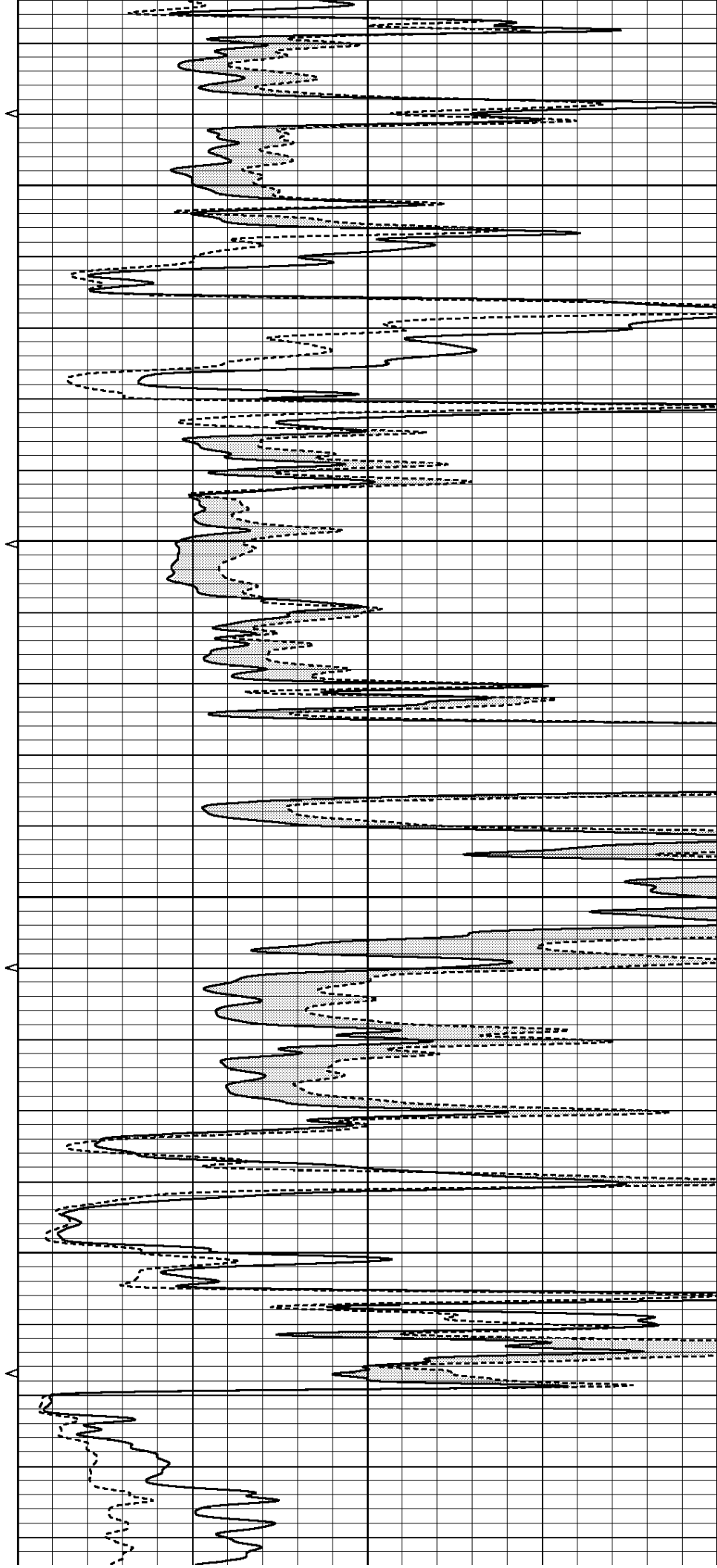


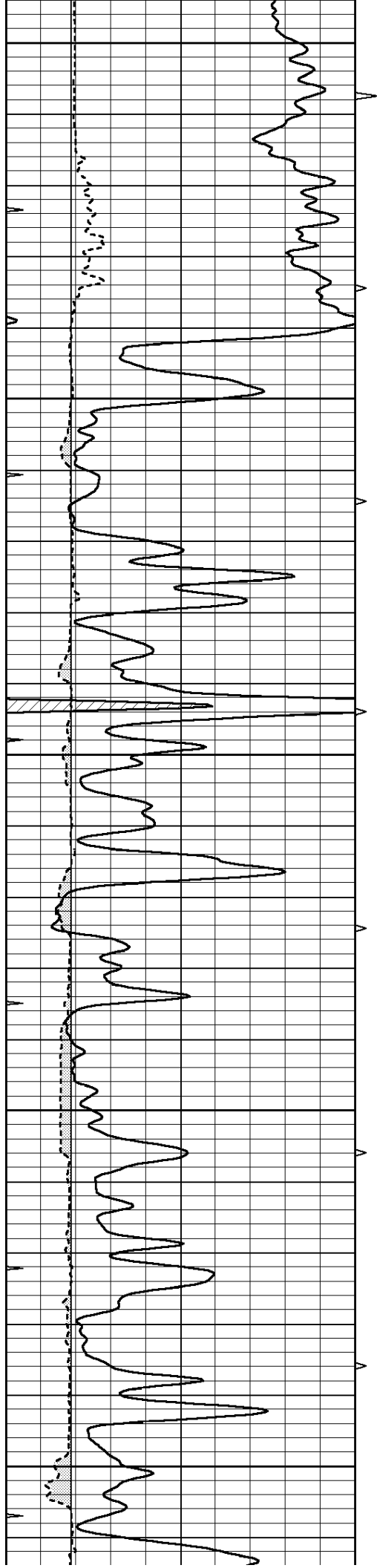
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3350

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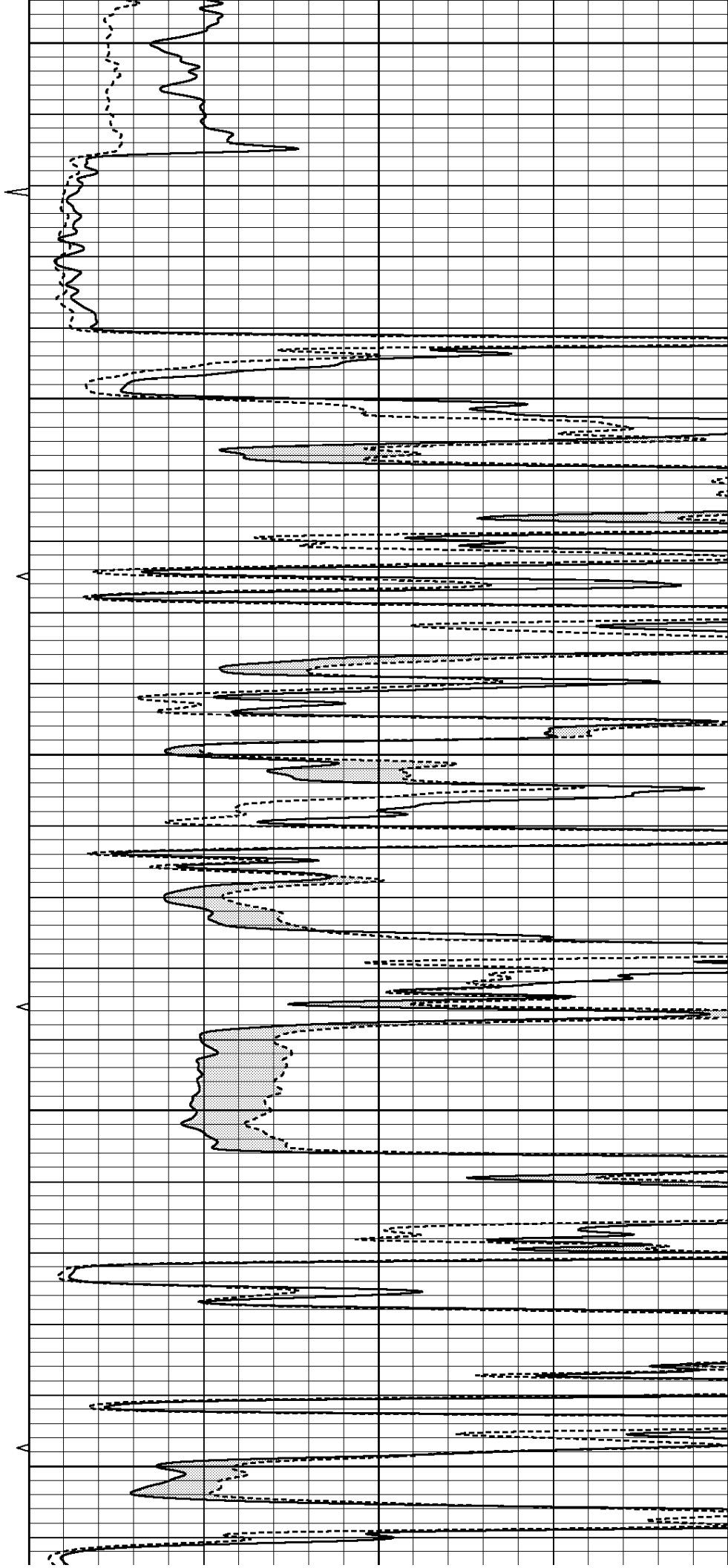
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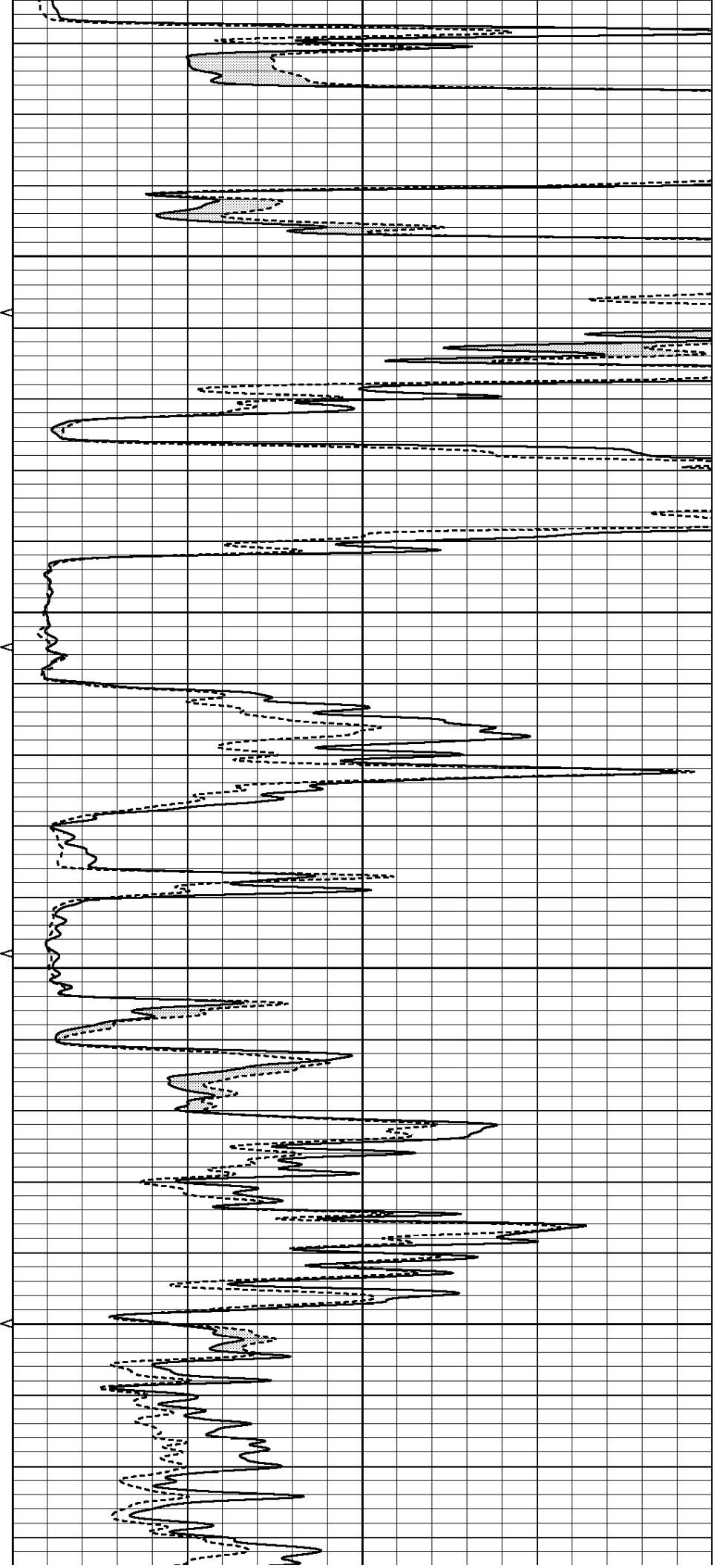
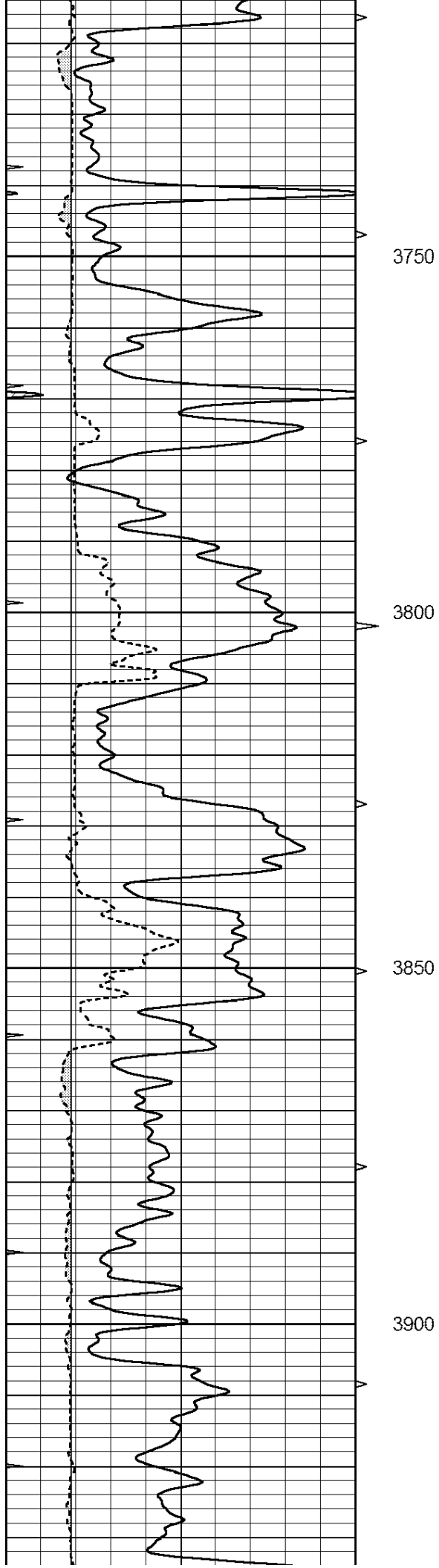
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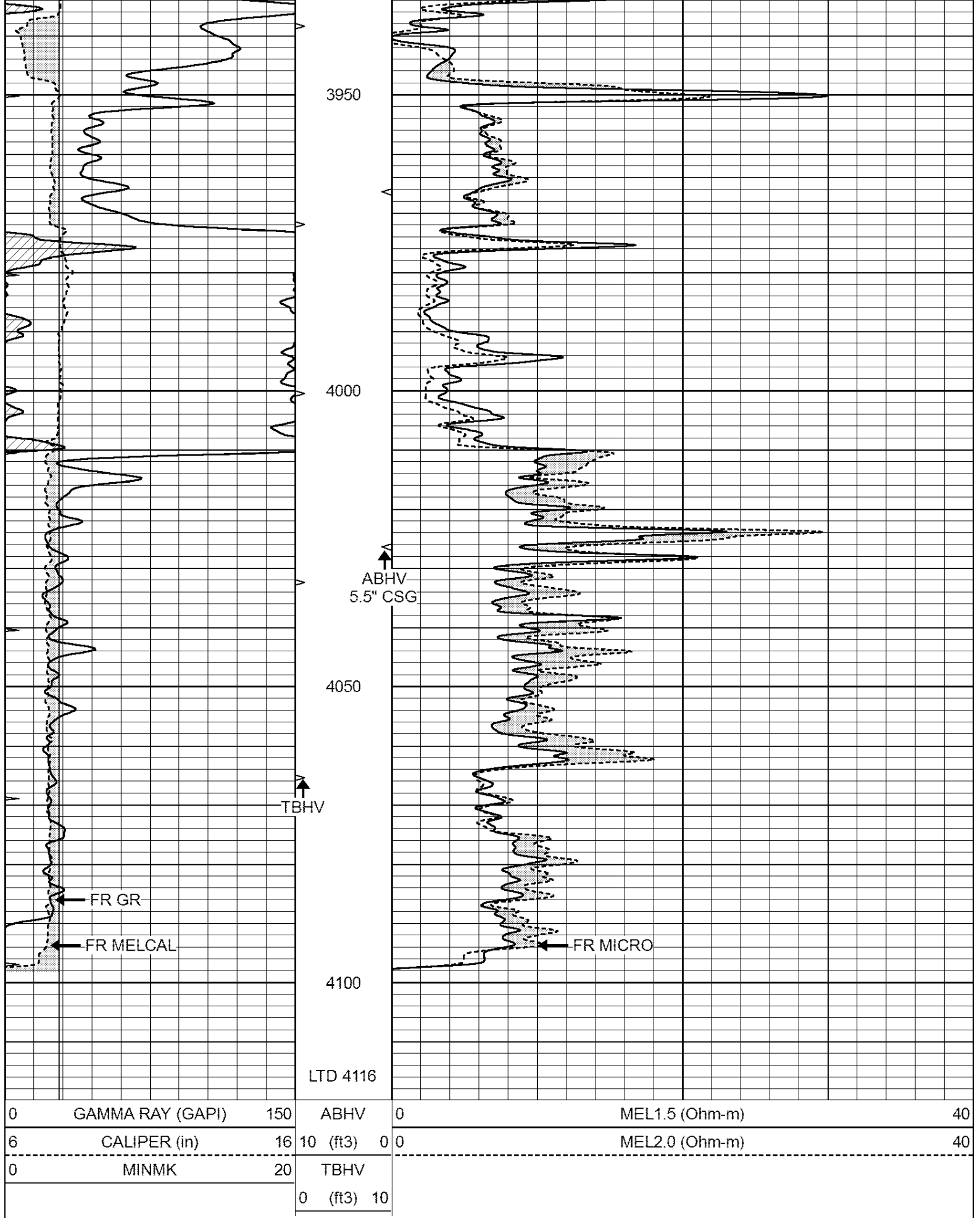
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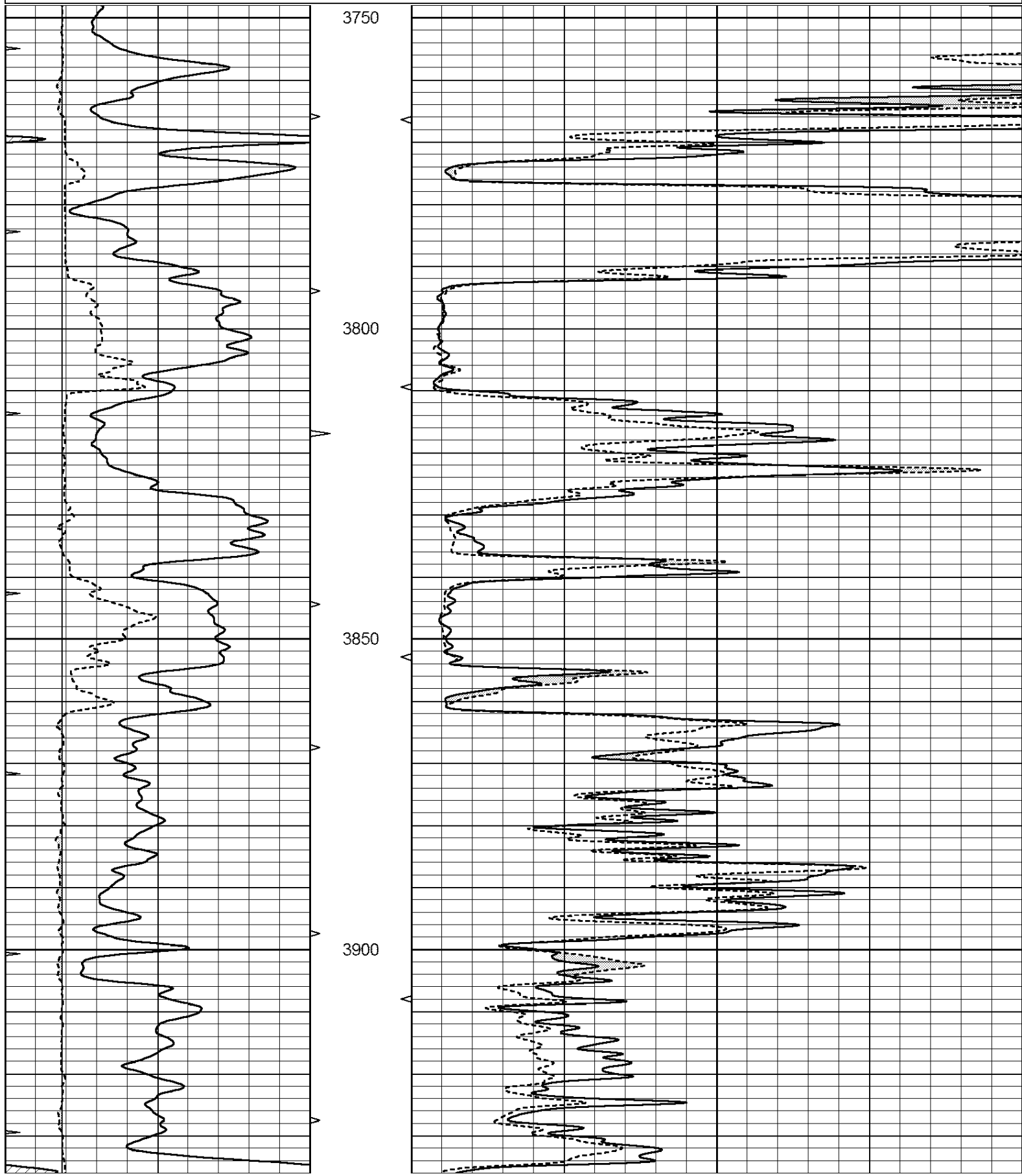
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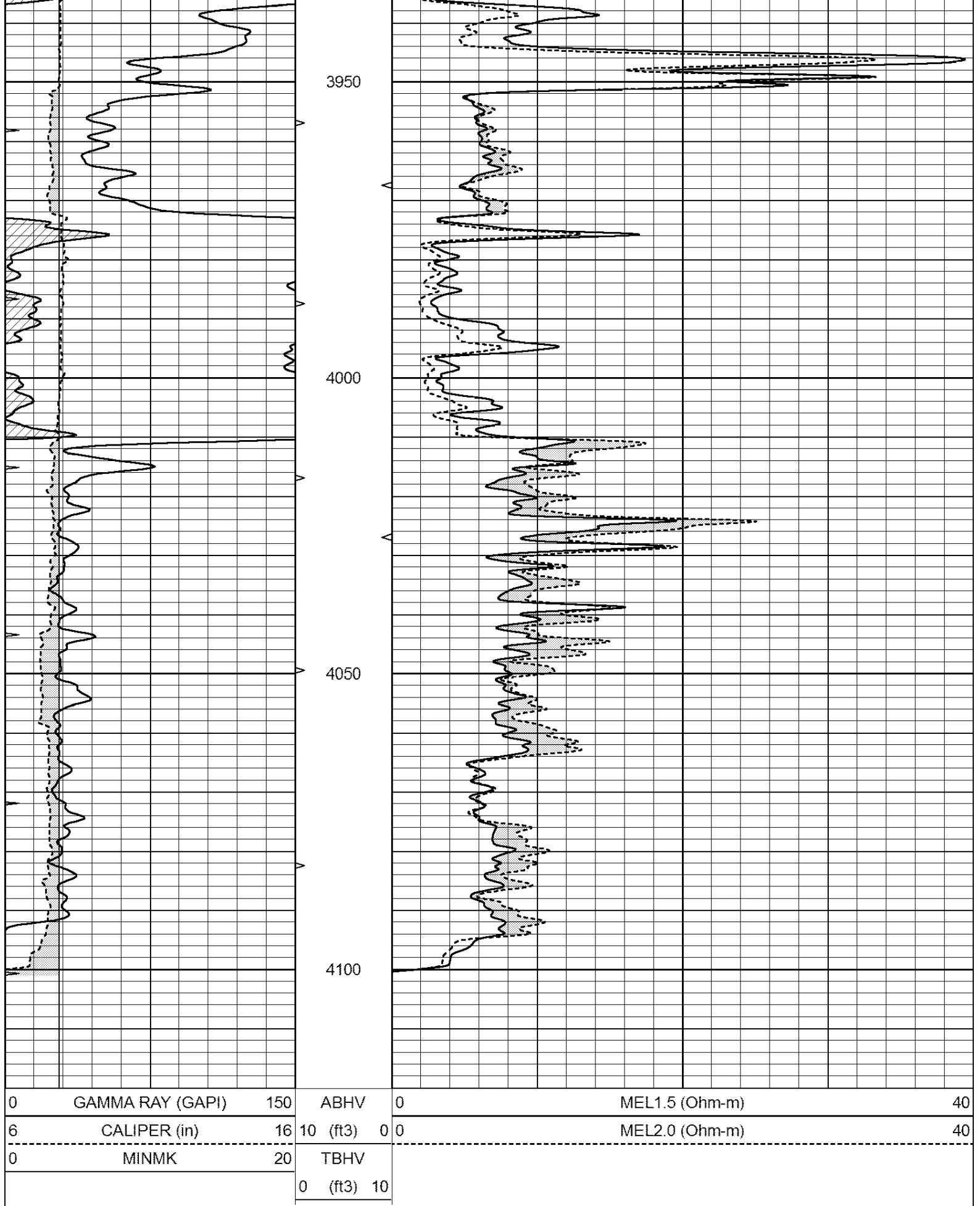






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0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report

Database File: 30882ddn.db
Dataset Pathname: pass5 1

MICRO Calibration Report

Serial Number:	MICRO6
Tool Model:	PROBE
Performed:	Wed Aug 26 00:34:46 2015

Caliper Calibration:	Gain=3.960	Offset=4.601
	Low Cal	High Cal
References	7.000	14.000
Readings	0.555	2.323

1.5" Calibration:	Gain=38.075	Offset=-1.000
	Low Cal	High Cal
References	0.000	20.000
Readings	0.004	1.196

2" Calibration:	Gain=48.000	Offset=-1.600
	Low Cal	High Cal
References	0.000	20.000
Readings	0.006	0.913

Gamma Ray Calibration Report

Serial Number:	GR6
Tool Model:	OPEN
Performed:	Thu Nov 12 05:47:01 2015

Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.4500	GAPI/cps