



SUPERIOR
Hays,
Kansas

MICRO LOG

Company	BUFFALO RESOURCES, LLC		
Well	NEY #1-23		
Field	ELSASSER		
County	RUSSELL	State	KANSAS
Location:	API # : 15-167-23569 1660' FSL & 1210' FEL		Other Services CDL/CNL SONIC/DIL
SEC 23 TWP 12S RGE 15W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	1781
Log Measured From	KELLY BUSHING 8' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Date	9-21-09		
Run Number	TWO		
Depth Driller	3285		
Depth Logger	3287		
Bottom Logged Interval	3270		
Top Log Interval	2600		
Casing Driller	440		
Casing Logger	NA		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.3 / 52		
pH / Fluid Loss	10.5 / 8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.55 @ 78F		
Rinf @ Meas. Temp	0.41 @ 78F		
Rmc @ Meas. Temp	0.66 @ 78F		
Source of Rinf / Rmc	MEASURED		
Rim @ BHT	.400 @ 108F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	12:50 A.M.		
Maximum Recorded Temperature	108F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	CURTIS COVEY		

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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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: RUSSELL, 9N TO MELLARD RD., 3W, 1/2N, 2 1/4W TO STOP SIGN, 1/2S, W INTO.

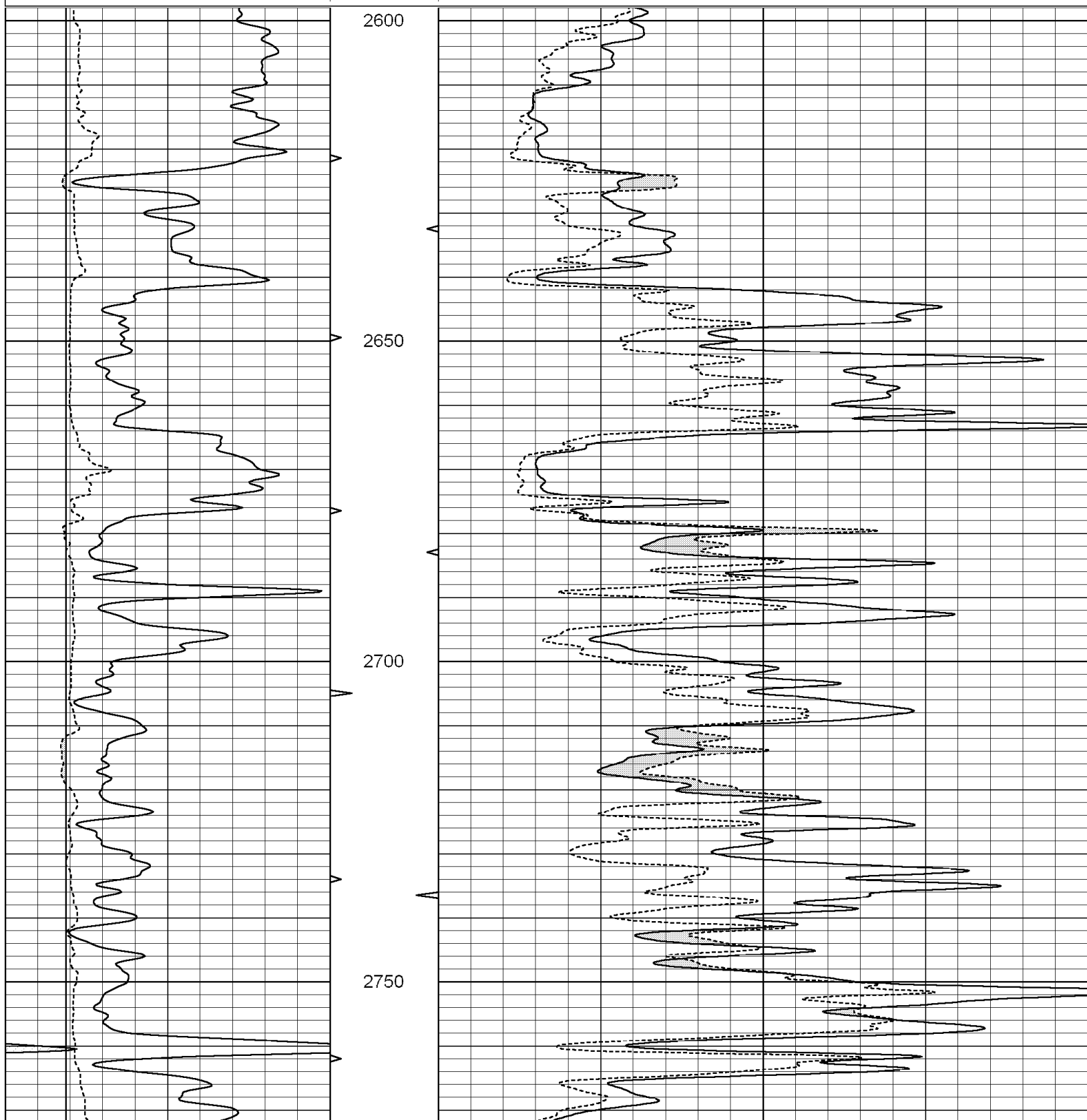


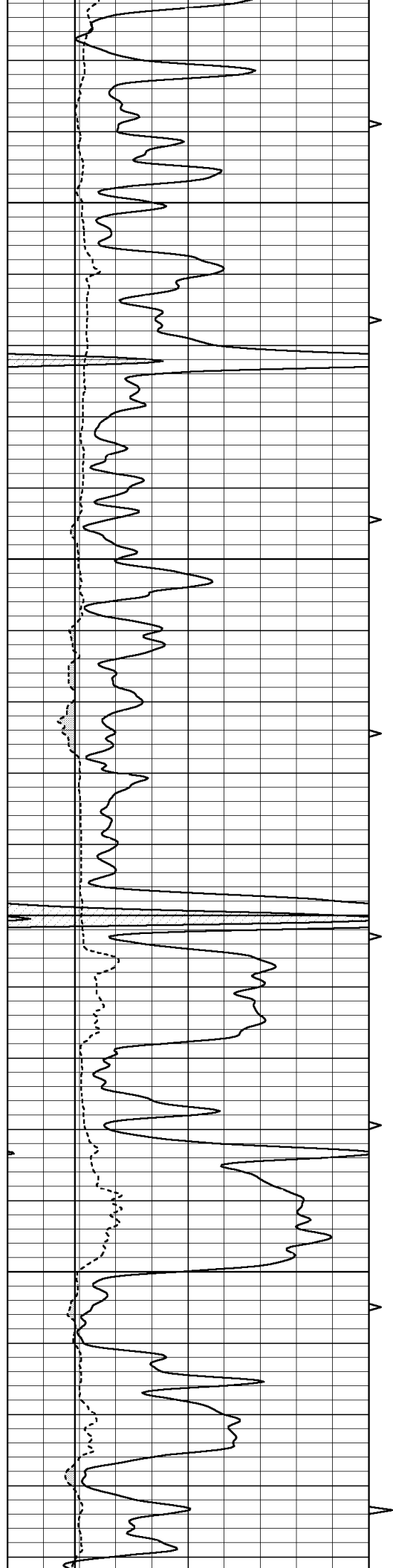
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MAIN SECTION

Database File: 004258ddn.db
Dataset Pathname: pass5.1
Presentation Format: micro
Dataset Creation: Mon Sep 21 03:40:08 2009 by Calc Open-Cased 051020
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	0	MEL2.0 (Ohm-m)	20
			TBHV			
			0 (ft3) 10			



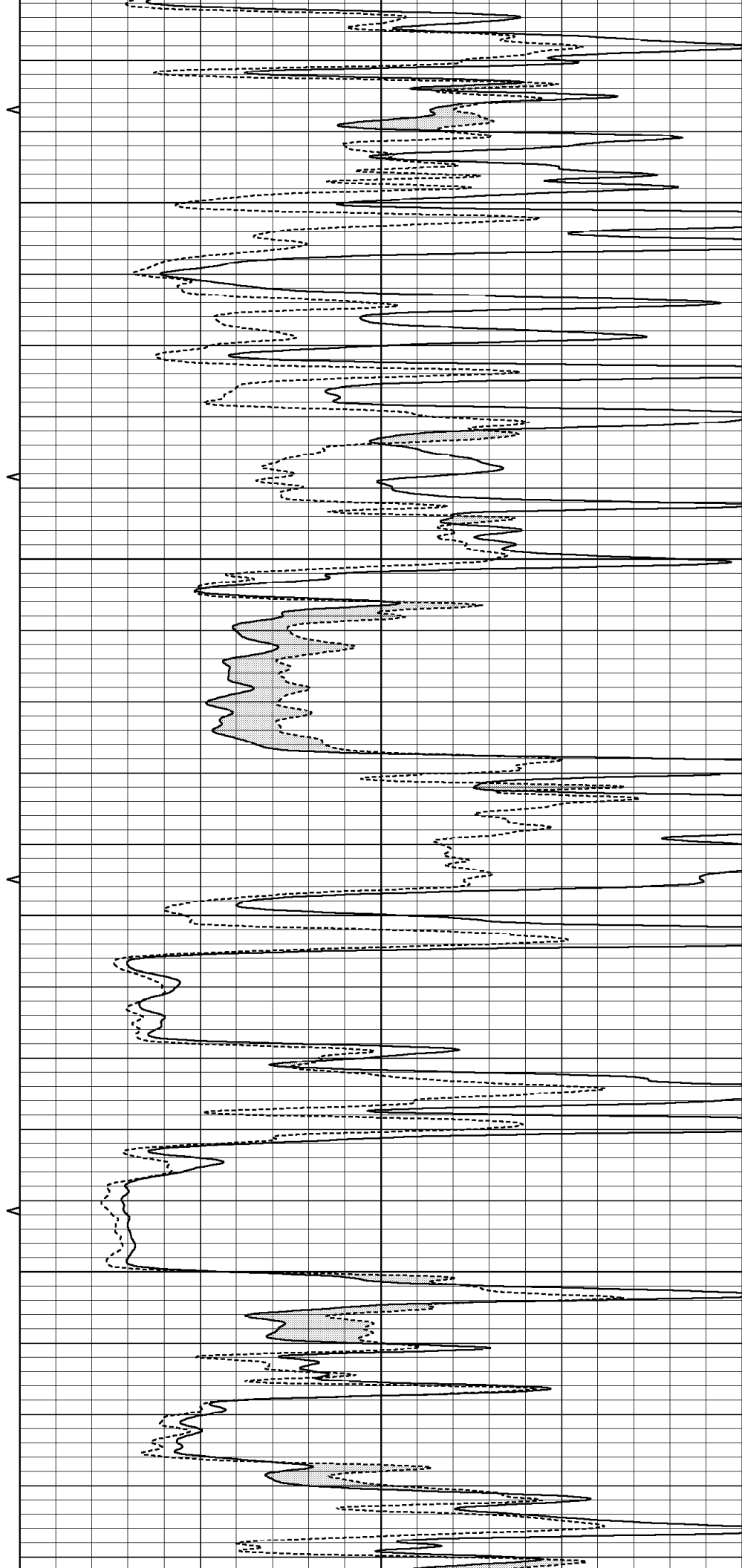


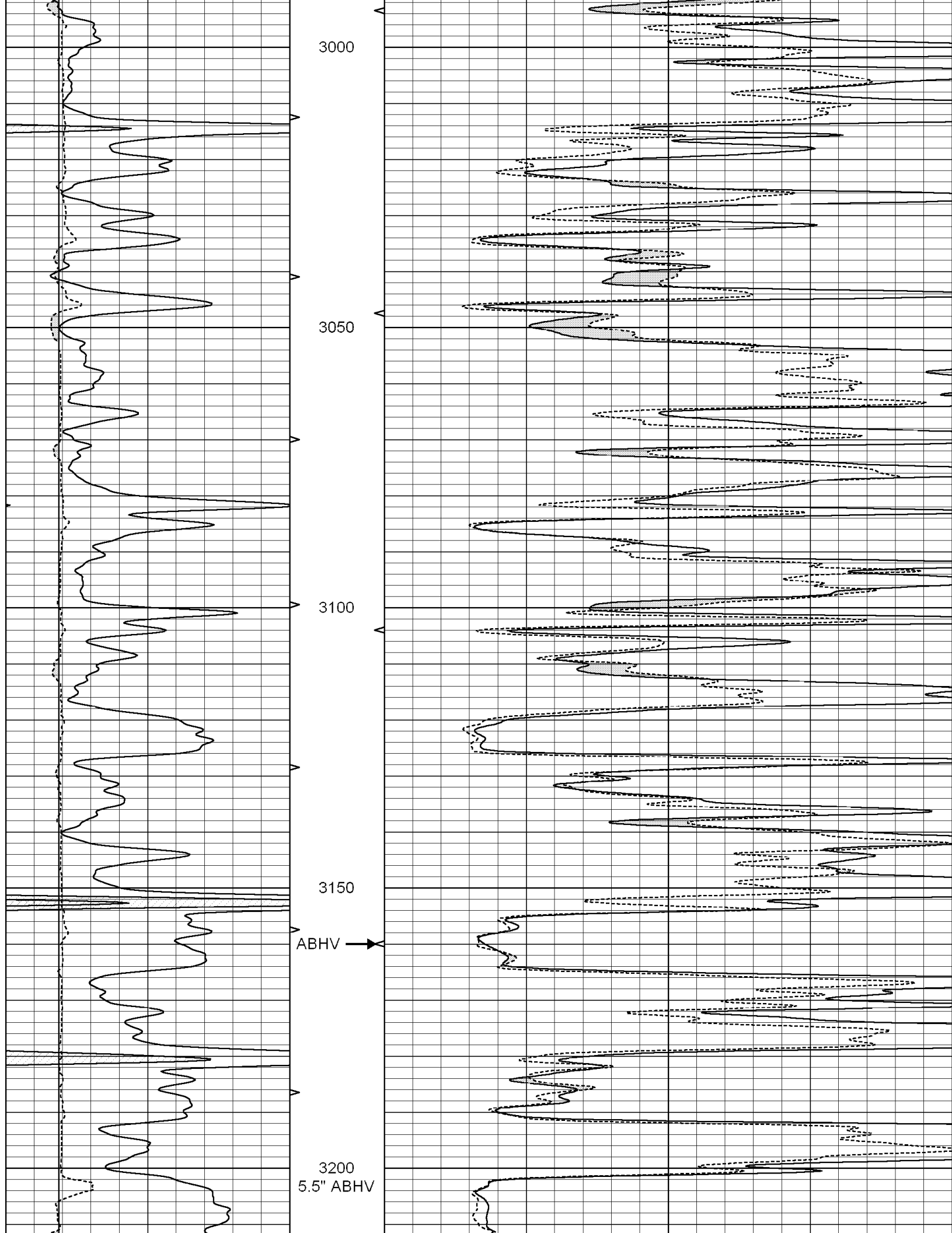
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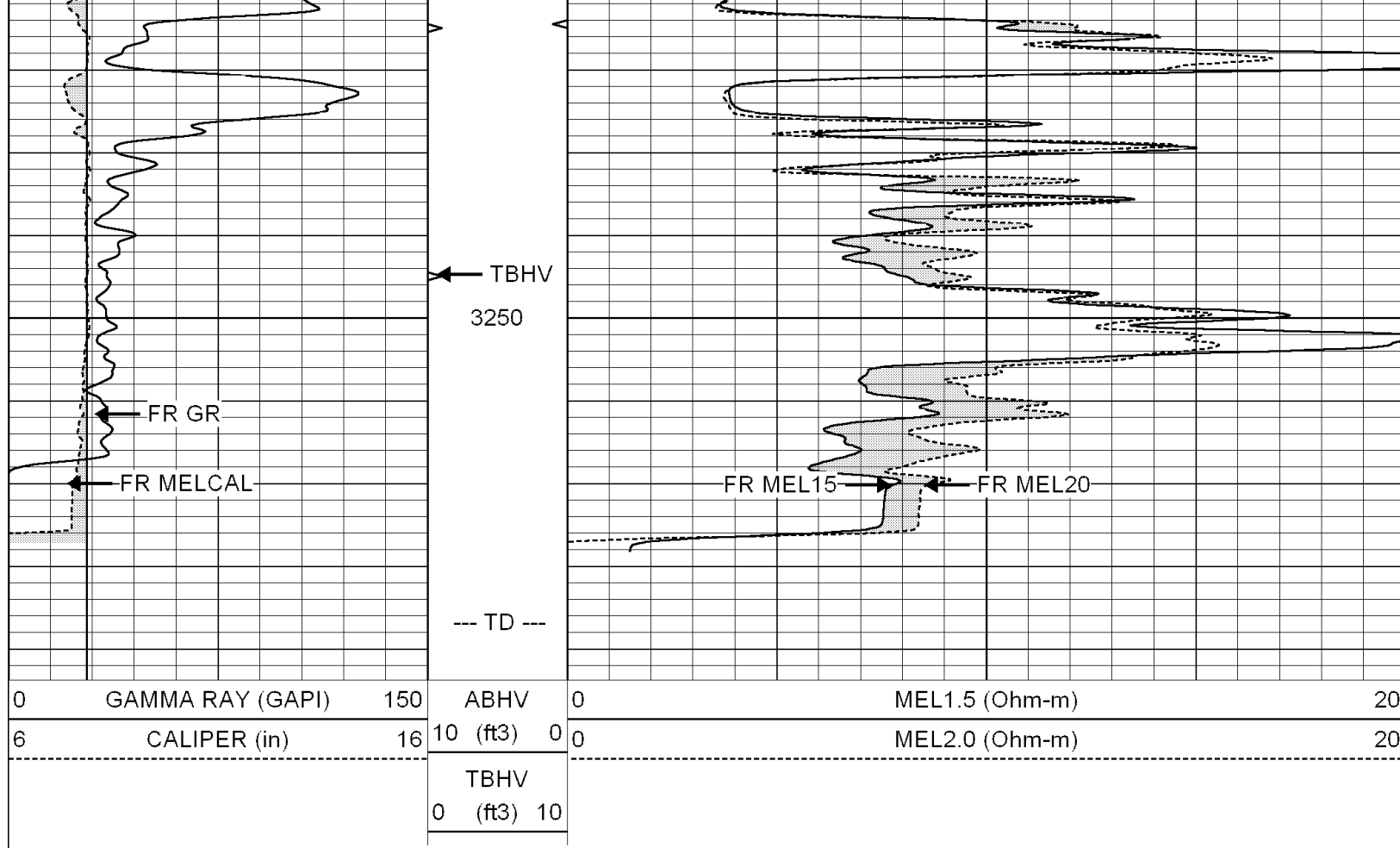
2850

2900

2950



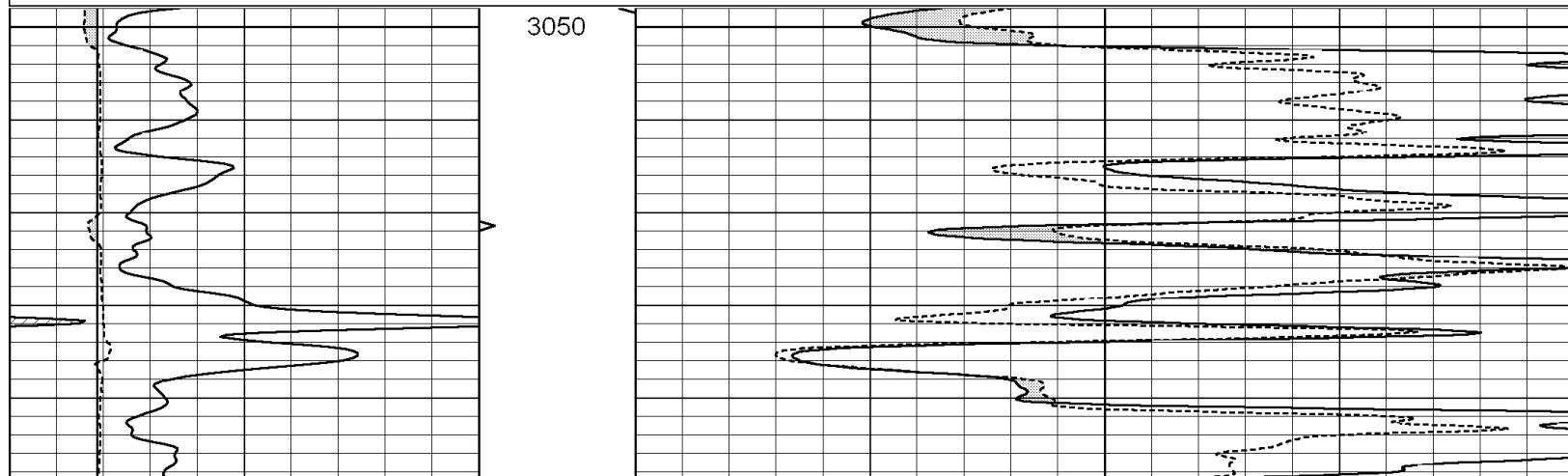
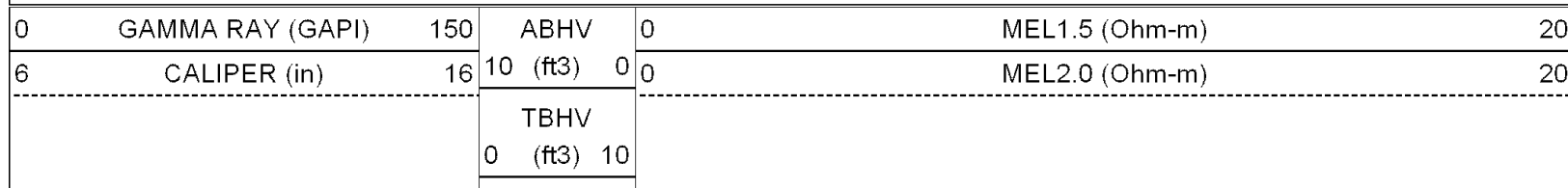


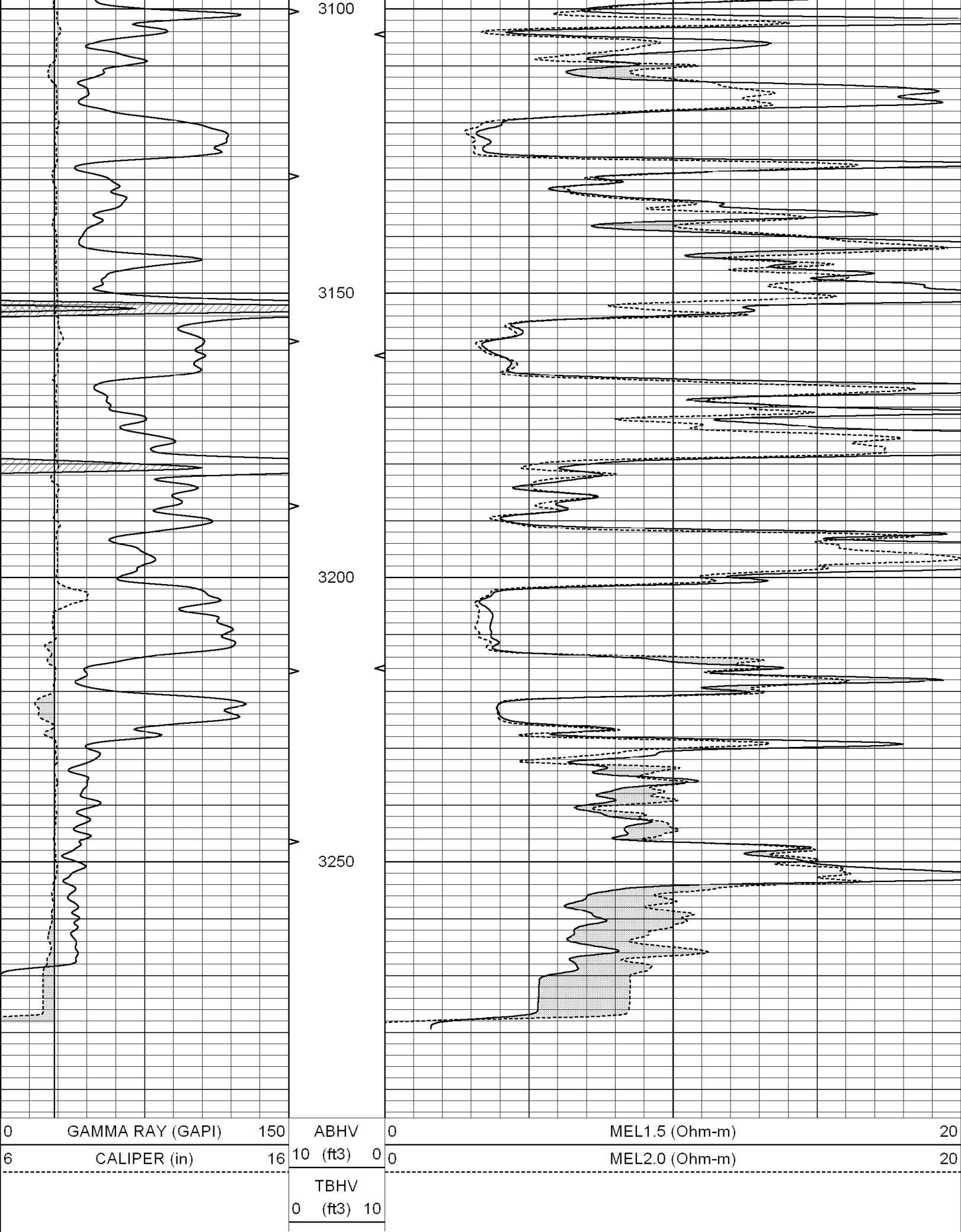


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REPEAT SECTION

Database File: 004258ddn.db
 Dataset Pathname: pass4A
 Presentation Format: micro
 Dataset Creation: Mon Sep 21 03:16:29 2009 by Calc Open-Cased 051020
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 004258ddn.db
 Dataset Pathname: pass5.1
 Dataset Creation: Mon Sep 21 03:40:08 2009 by Calc Open-Cased 051020

MICRO Calibration Report

Serial Number: Micro1
 Tool Model: ProbeL
 Performed: Mon Sep 21 03:05:43 2009

Caliper Calibration: Gain=2.859 Offset=-0.524
 References Low Cal High Cal
 7.700 13.500
 Readings 2.876 4.905

1.5" Calibration: Gain=35.000 Offset=1.500
 References Low Cal High Cal
 0.000 20.000
 Readings 0.004 0.828

2" Calibration: Gain=50.000 Offset=-0.300
 References Low Cal High Cal
 0.000 20.000
 Readings 0.021 0.816

Gamma Ray Calibration Report

Serial Number: GR5
 Tool Model: OPEN
 Performed: Thu Sep 17 08:10:47 2009

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.5500 GAPI/cps