



**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company	DOUBLE D'S LLC.	Company	DOUBLE D'S LLC.
Well	SHORTY DREILING #1	Well	SHORTY DREILING #1
Field	MARTINA NORTH	Field	MARTINA NORTH
County	ELLIS	County	ELLIS
State	KANSAS	State	KANSAS
Location:	API # : 15-051-26514-0000 344' FSL & 2031' FWL SW - SE - SE - SW	Other Services CDL/CNL DIL	
Permanent Datum	SEC 14 TWP 15S RGE 19W	Elevation	
Log Measured From	GROUND LEVEL	Elevation	1979
Drilling Measured From	KELLY BUSHING 7' A.G.L. KELLY BUSHING	K.B. 1986 D.F. 1984 G.L. 1979	
Date	4/23/13		
Run Number	TWO		
Depth Driller	3690		
Depth Logger	3693		
Bottom Logged Interval	3691		
Top Log Interval	2800		
Casing Driller	8 5/8" @ 1171'		
Casing Logger	1170'		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3300 PPM	
Density / Viscosity	9.0/50		
pH / Fluid Loss	11.0/7.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.85 @ 65F		
Rmt @ Meas. Temp	0.64 @ 65F		
Rmc @ Meas. Temp	1.02 @ 65F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	0.49 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	113F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF GRONEWEG		
Witnessed By	AL DOWNING		

<<< Fold Here >>>

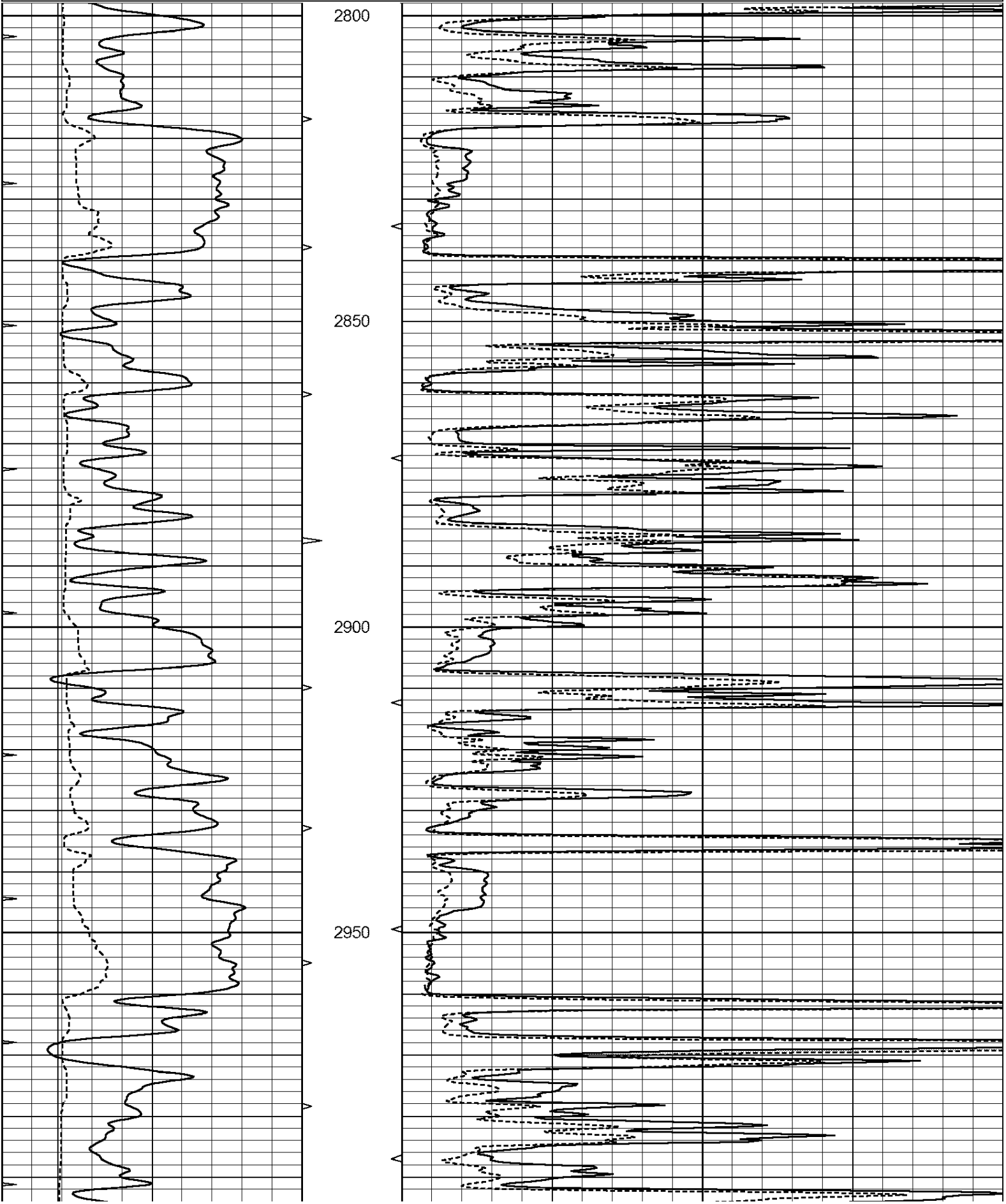
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

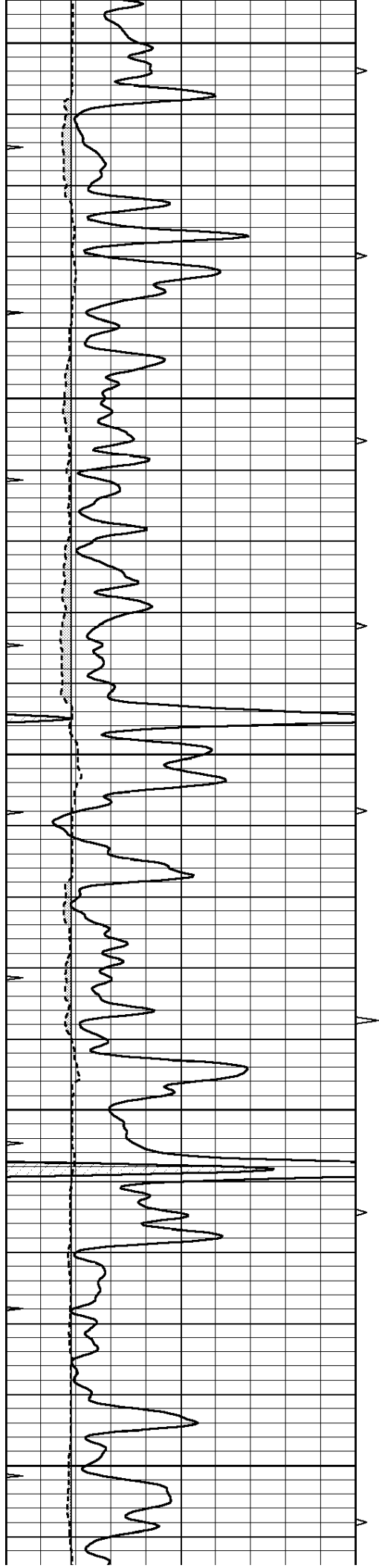
Comments

THANK YOU FOR USING NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS:
ANTONINO, KS - 3 MILES SOUTH - 1/2 MILE WEST - NORTH INTO

Charted by:		Depth in Feet scaled 1:2.10				
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		





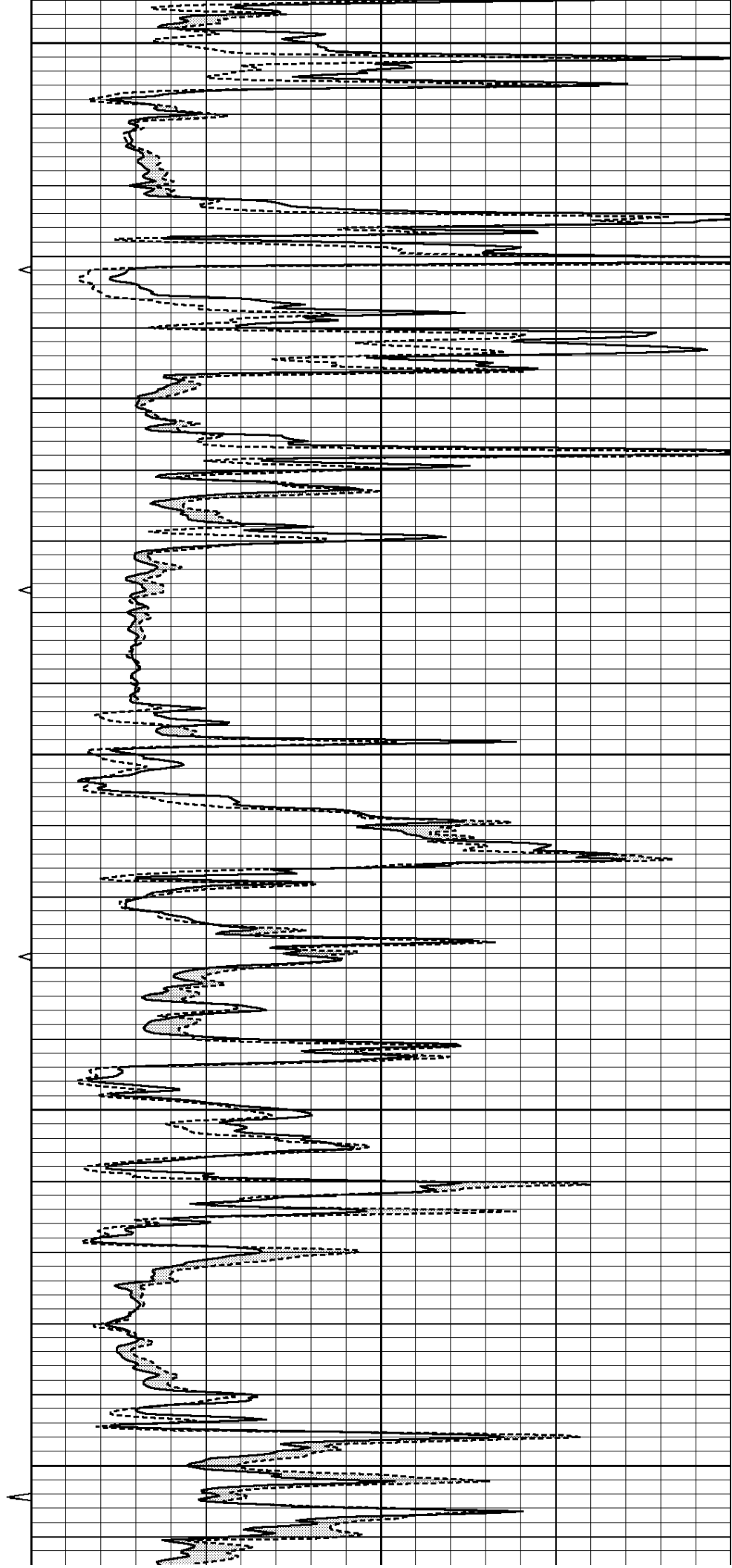
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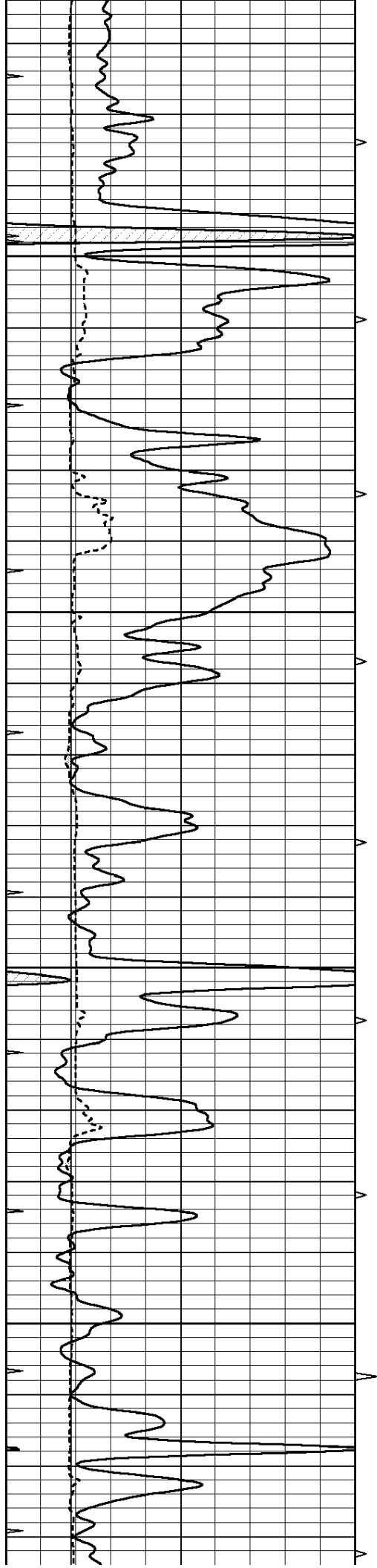
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3100

3150

3200



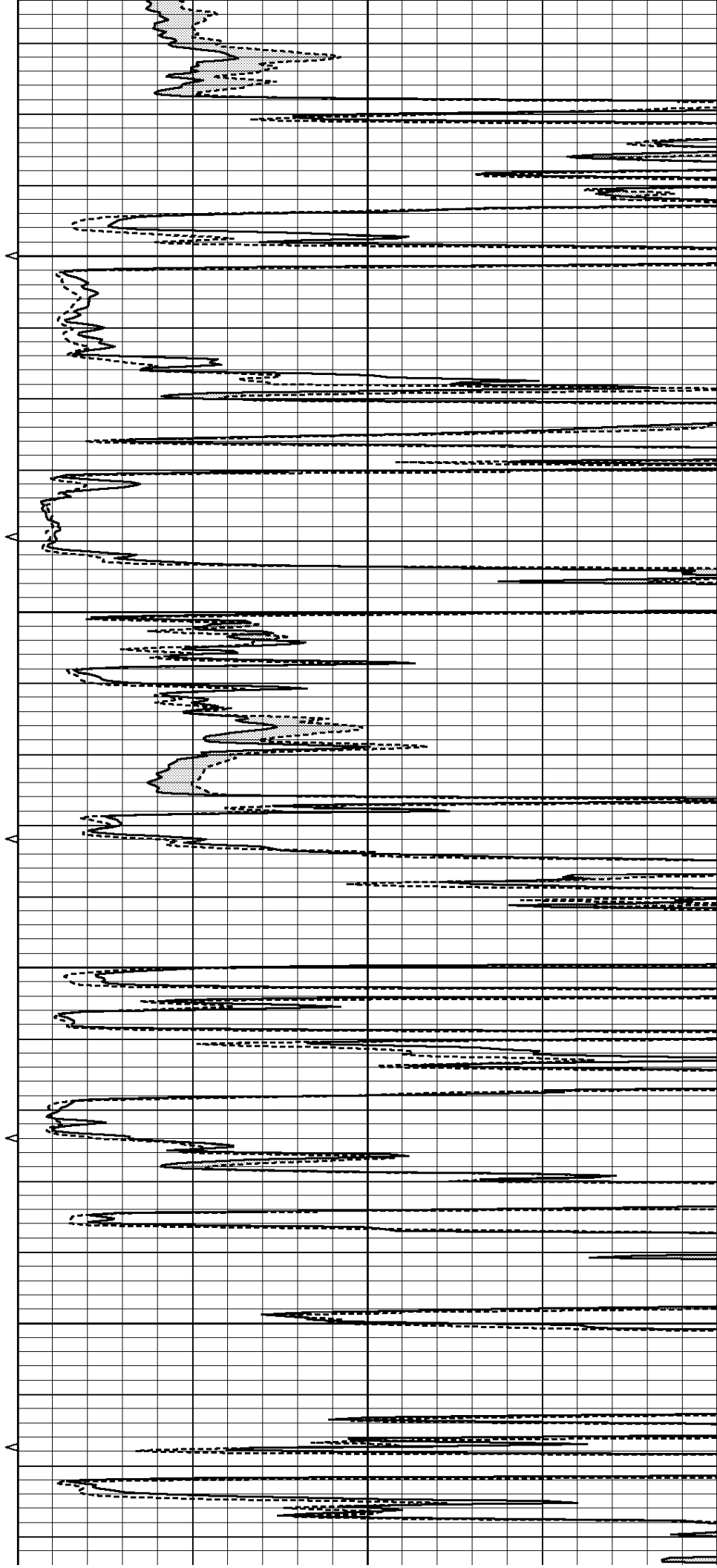


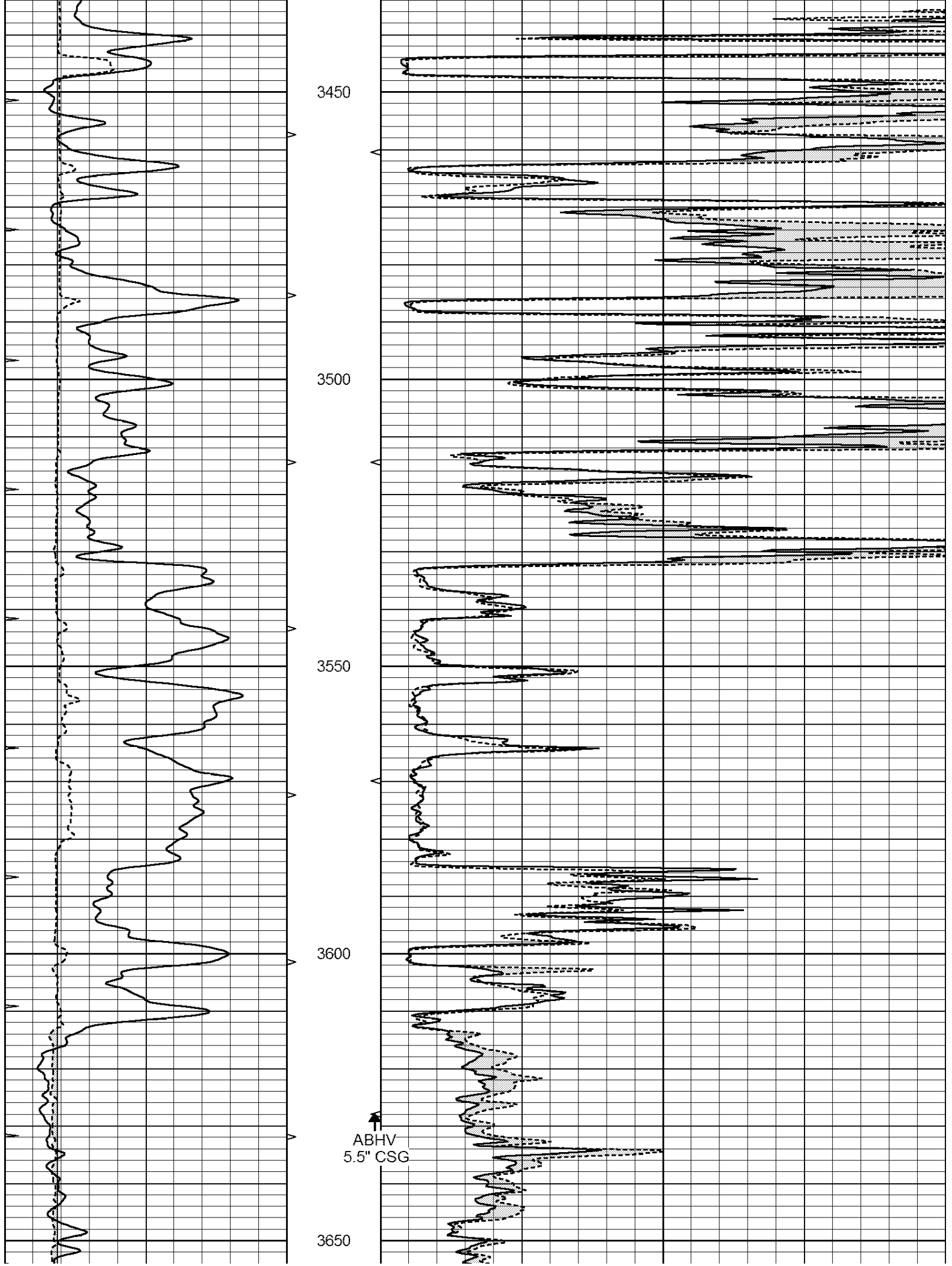
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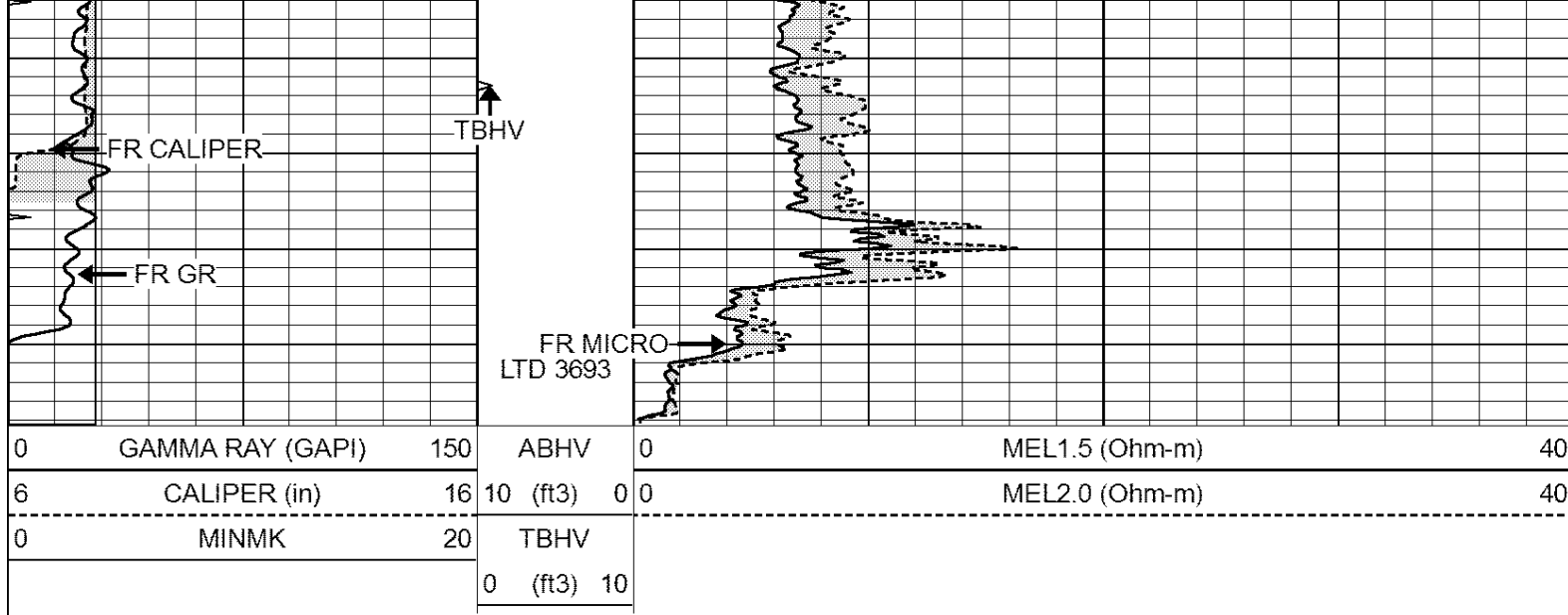
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3350

3400

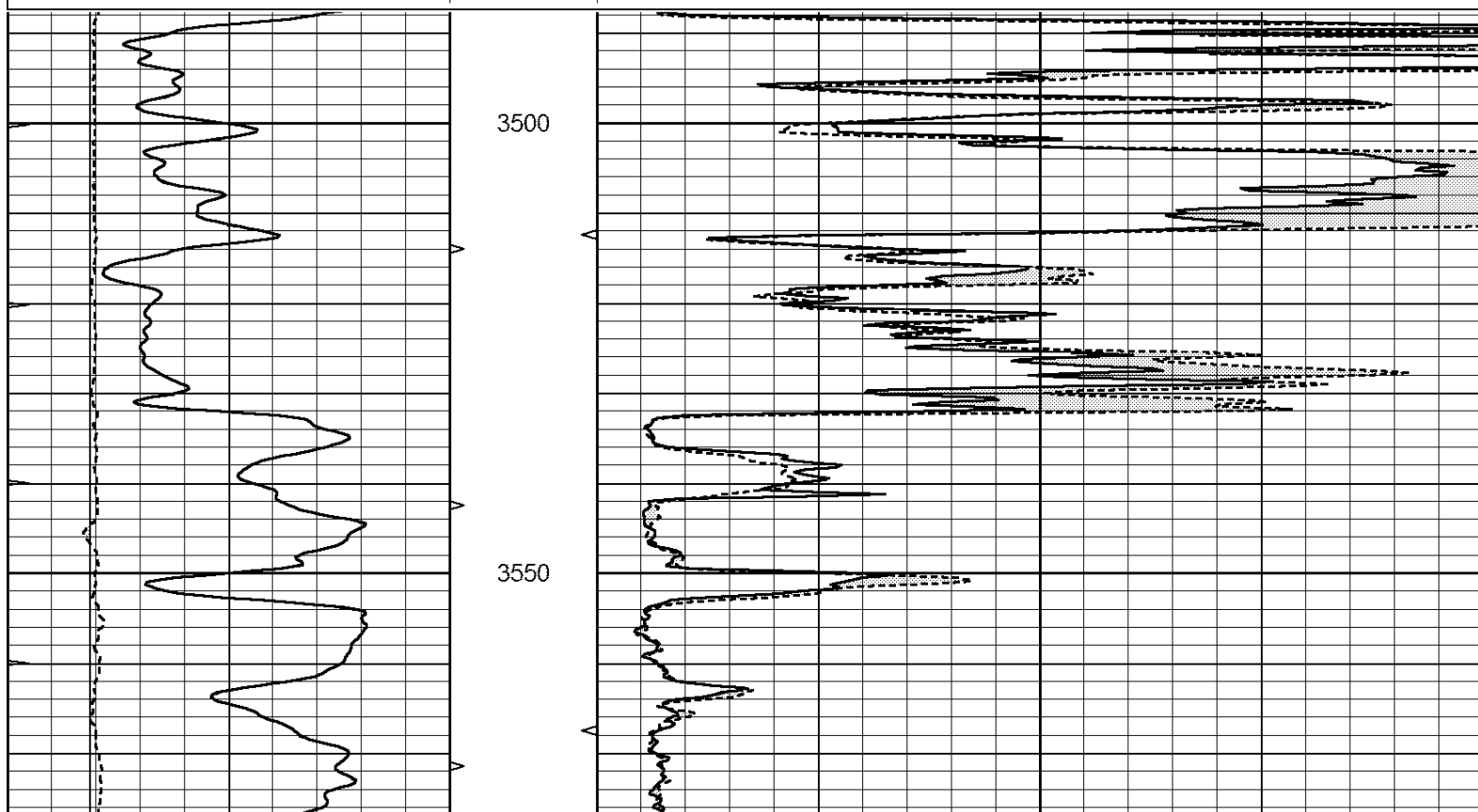
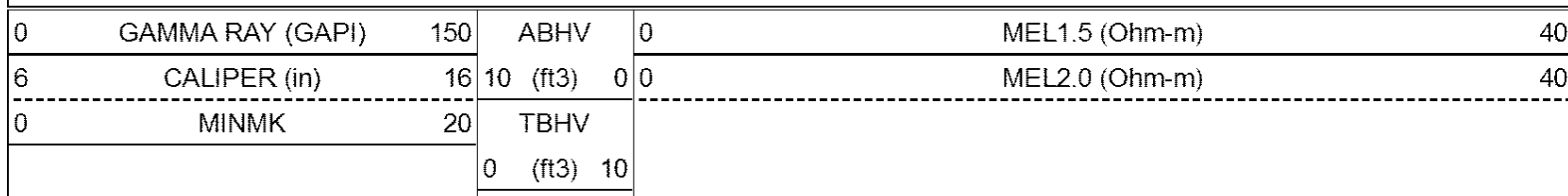


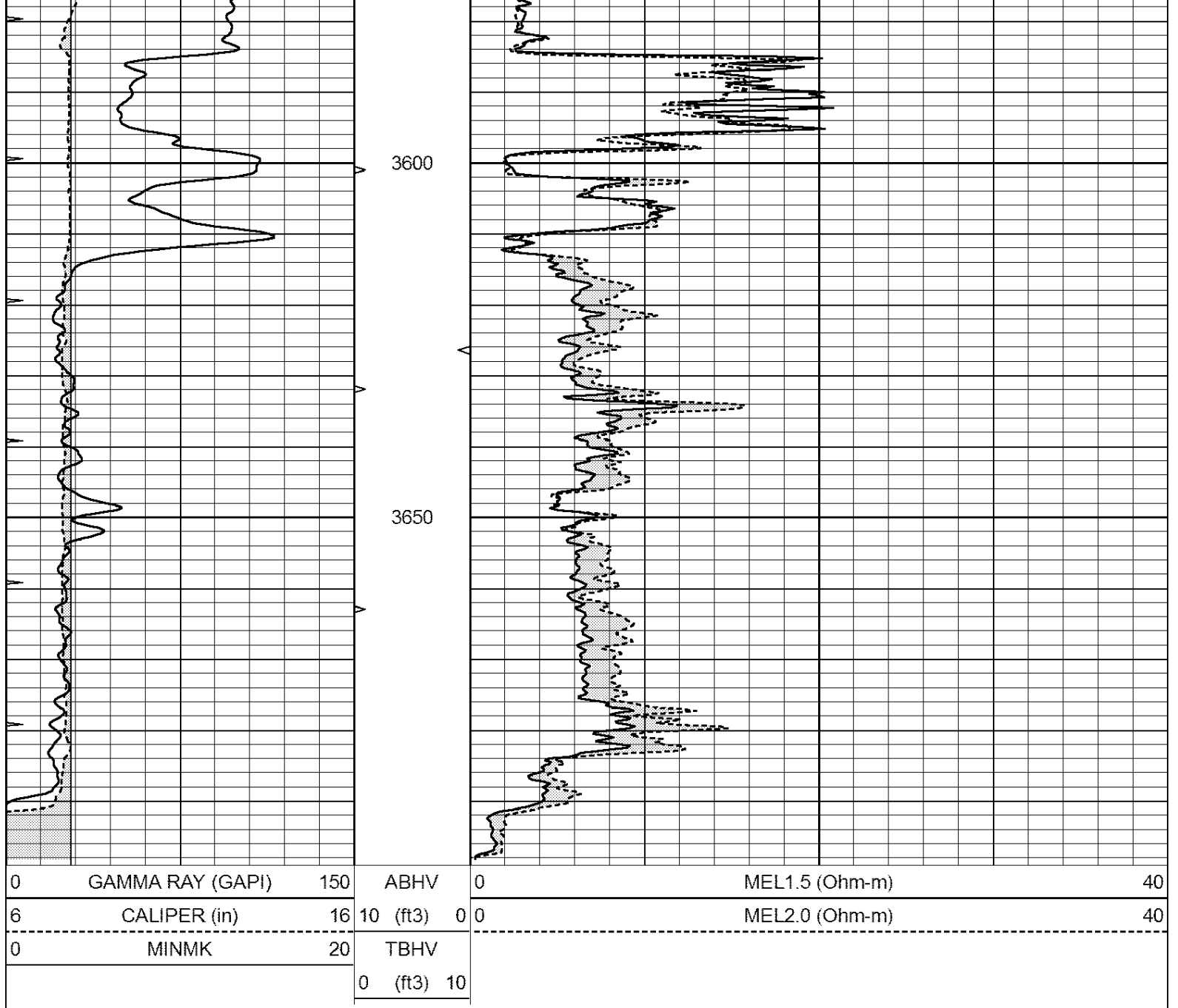




REPEAT SECTION

Database File: 010777ddn.db
 Dataset Pathname: pass4.3
 Presentation Format: _micro
 Dataset Creation: Tue Apr 23 09:08:32 2013 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: 010777ddn.db
 Dataset Pathname: pass5.2
 Dataset Creation: Tue Apr 23 09:05:30 2013

MICRO Calibration Report

Serial Number: MICRO3
 Tool Model: PROBE
 Performed: Thu Nov 17 03:06:31 2011

Caliper Calibration: Gain=3.916 Offset=-9.271

References	Low Cal	High Cal
Readings	8.000	14.000
	4.257	5.789

1.5" Calibration: Gain=130.000 Offset=0.300

References	Low Cal	High Cal
Readings	0.000	20.000
	0.004	0.228

2" Calibration:	Gain=130.553	Offset=-0.220
References	Low Cal	High Cal
Readings	0.000	20.000
	0.005	0.175

Gamma Ray Calibration Report

Serial Number:	#8	
Tool Model:	OPEN	
Performed:	Mon Jun 13 16:56:43 2011	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	175.0	cps
Sensitivity:	0.8371	GAPI/cps