



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company	HUTCHINSON OIL COMPANY	Location:	API # : 15-185-23894-00-00	Other Services CNL/CDL DIL/SON
Well	T & L #2	Permanent Datum	GROUND LEVEL	Elevation
Field	HUDSON SOUTHWEST	Log Measured From	KELLY BUSHING 9' A.G.L.	K.B. 1856
County	STAFFORD	Drilling Measured From	KELLY BUSHING	D.F. 1853
				G.L. 1847
		SEC 6	TWP 23S	RGE 12W
Date	8/28/14			
Run Number	TVMO			
Depth Driller	3815			
Depth Logger	3816			
Bottom Logged Interval	3798			
Top Log Interval	2800			
Casing Driller	8 5/8" @ 334			
Casing Logger	334			
Bit Size	7 7/8			
Type Fluid in Hole	CHEMICAL MUD		CHLORIDES 6000 PPM	
Density / Viscosity	9.4/48			
pH / Fluid Loss	8.5/11.2			
Source of Sample	FLOWLINE			
Rim @ Meas. Temp	0.40 @ 75F			
Rmf @ Meas. Temp	0.12 @ 75F			
Rmc @ Meas. Temp	0.19 @ 75F			
Source of Rmf / Rmc	MEASURED			
Rim @ BHT	0.26 @ 114F			
Time Circulation Stopped	2 HOURS			
Time Logger on Bottom				
Maximum Recorded Temperature	114F			
Equipment Number	3802			
Location	HAYS, KS.			
Recorded By	IAN MABB			
Witnessed By	JEFFREY A. BURK		ELI J. FELTS	

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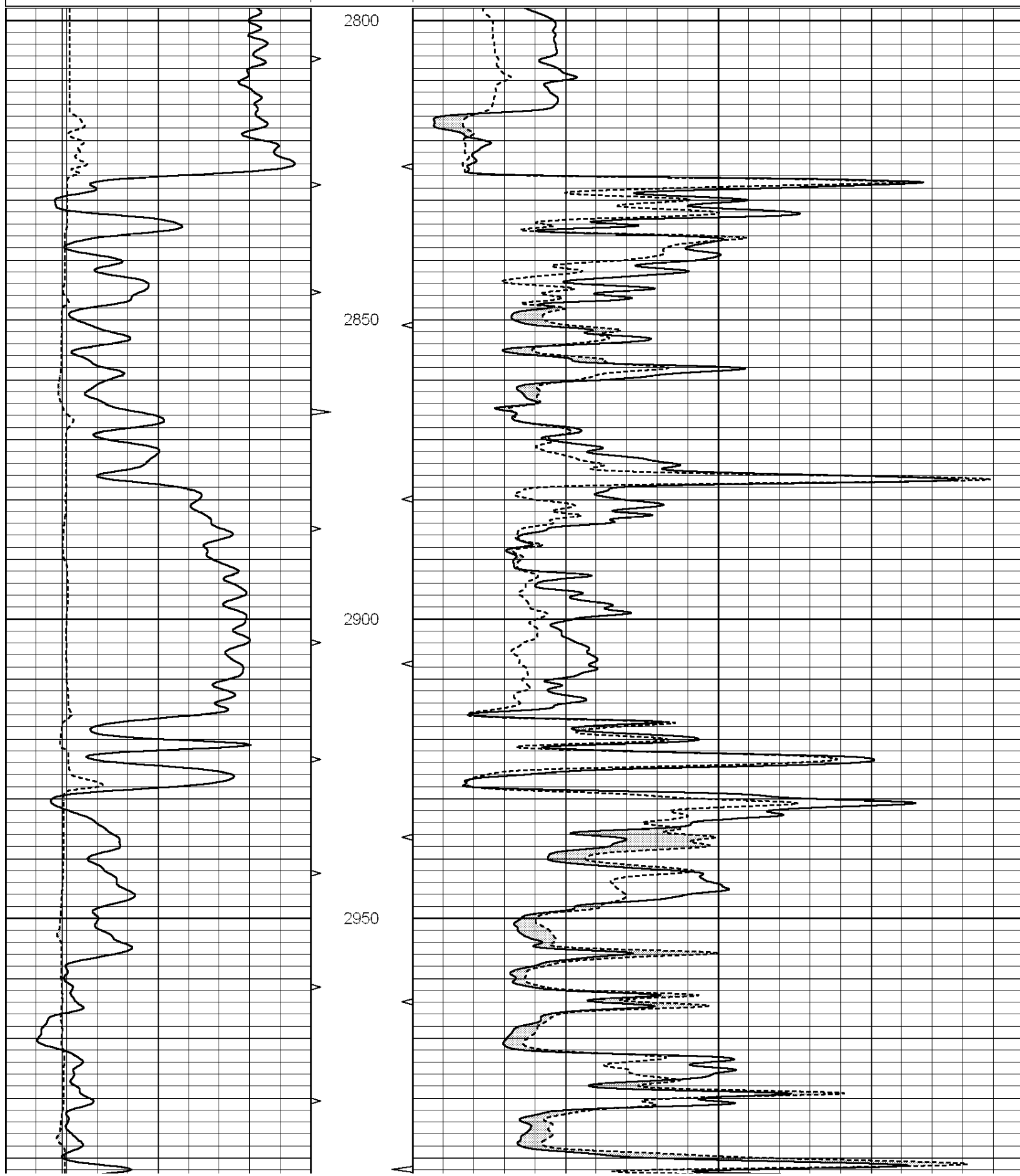
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

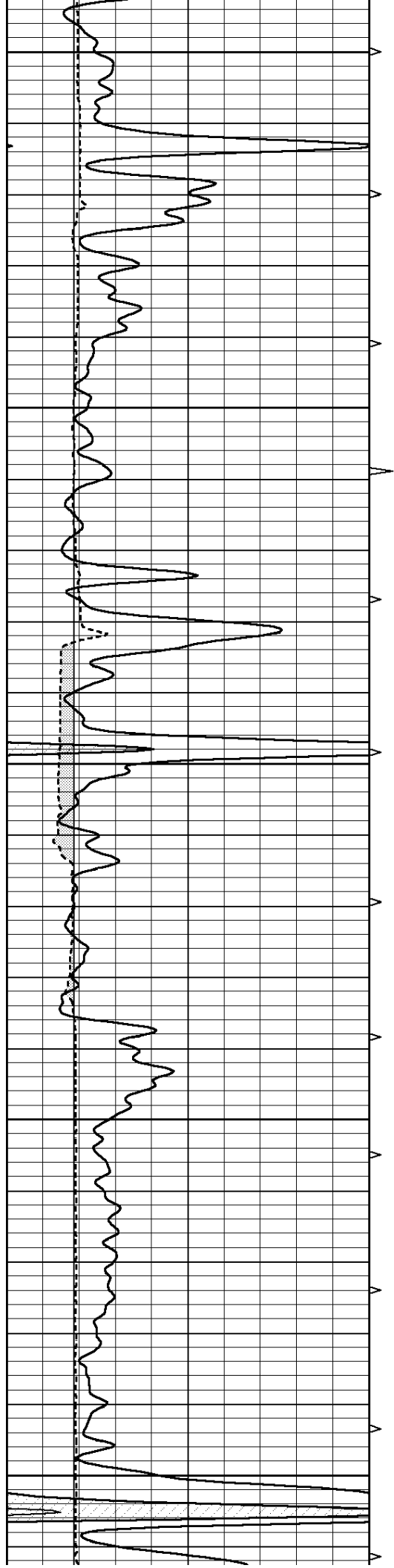
Comments

THANK YOU FOR USING NABORS COMPLETION & PRODUCTION SVCS. (785) 628-6395

DIRECTIONS:
HUDSON, KS. - 1 WEST TO NE 40 RD. - 1/2 SOUTH - WEST INTO

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3) 10			





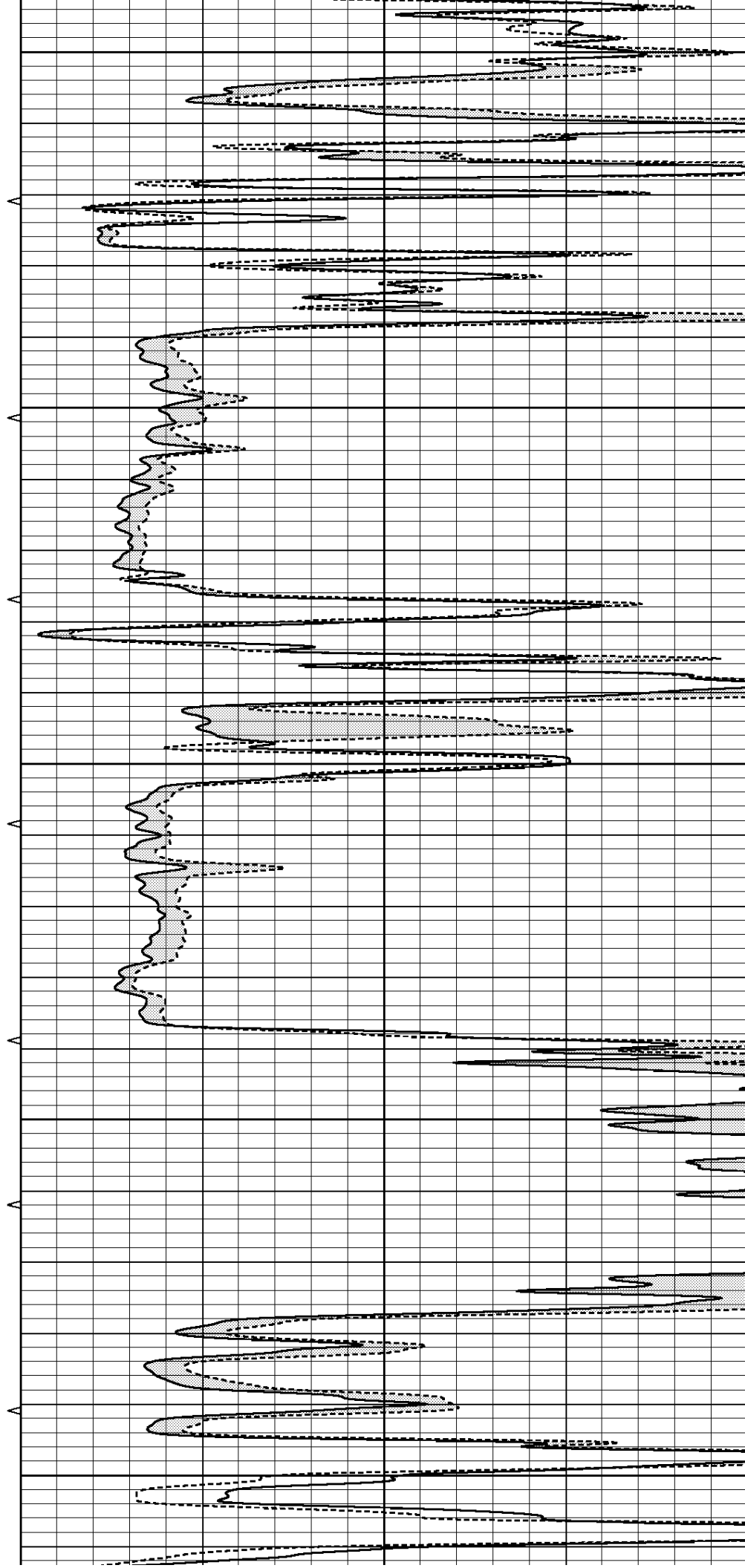
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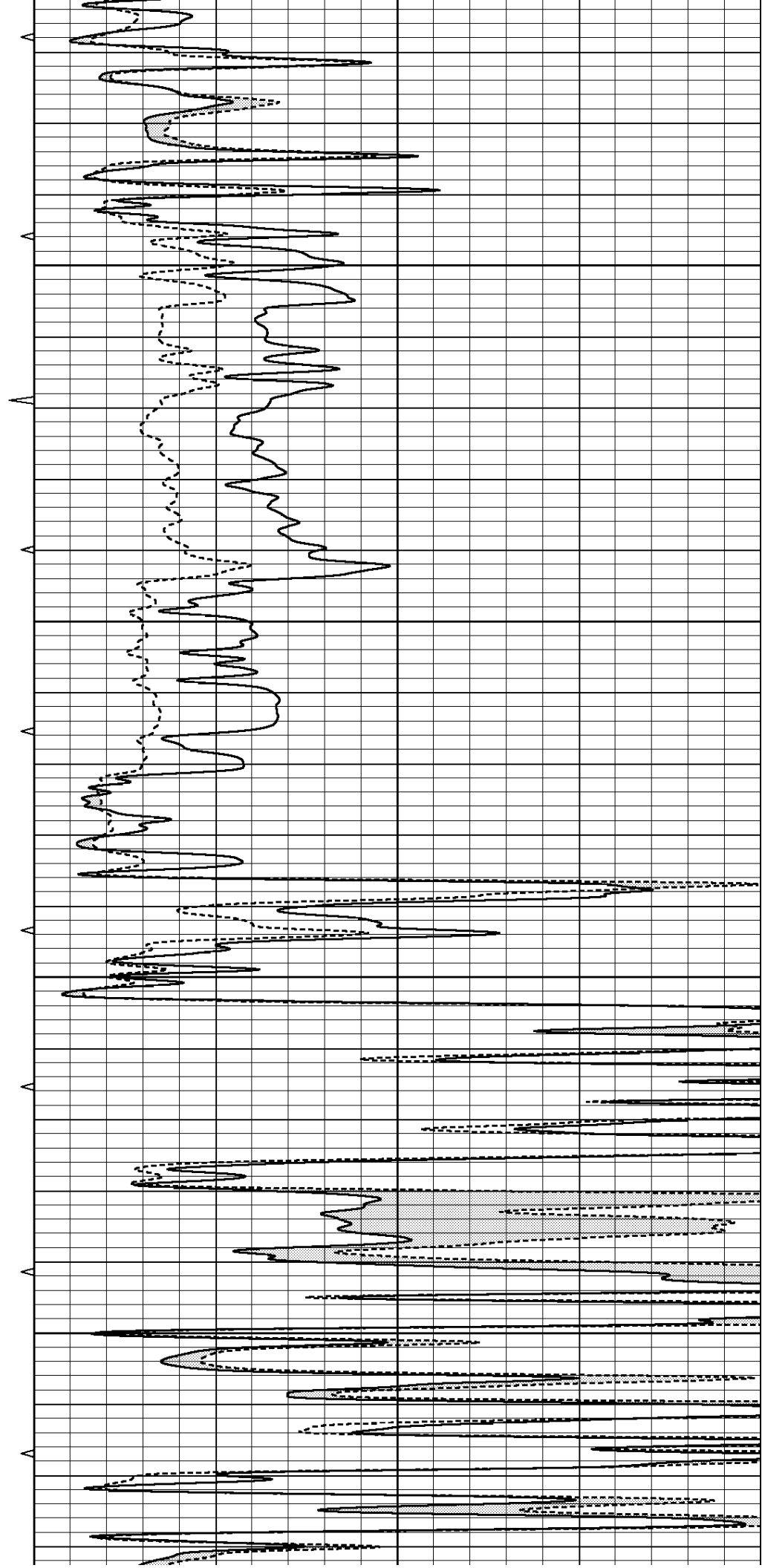
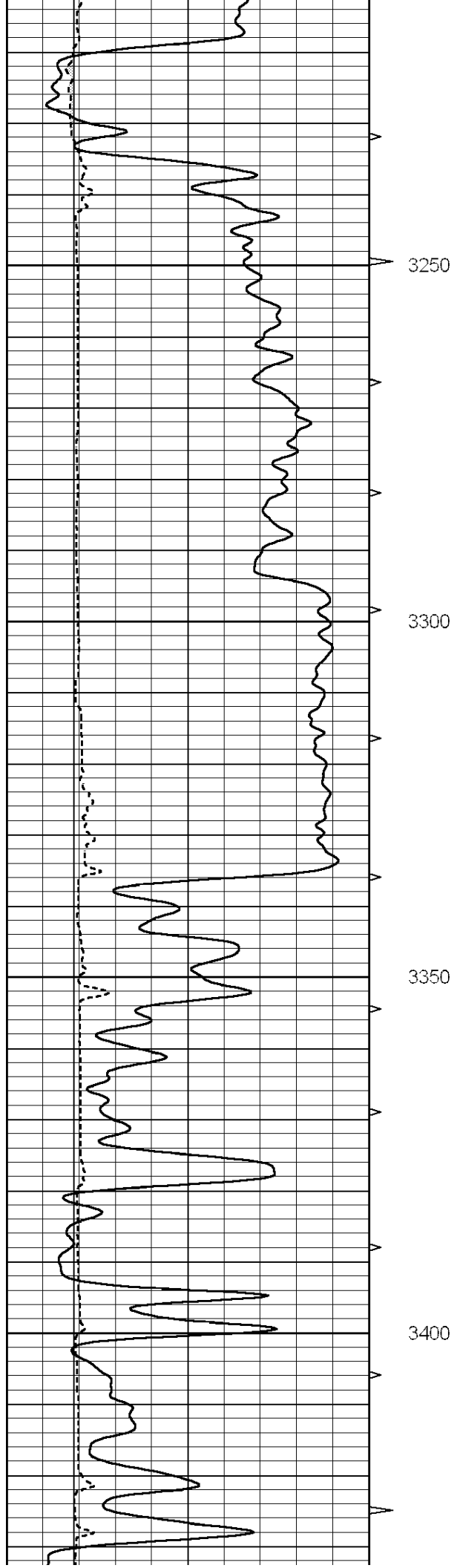
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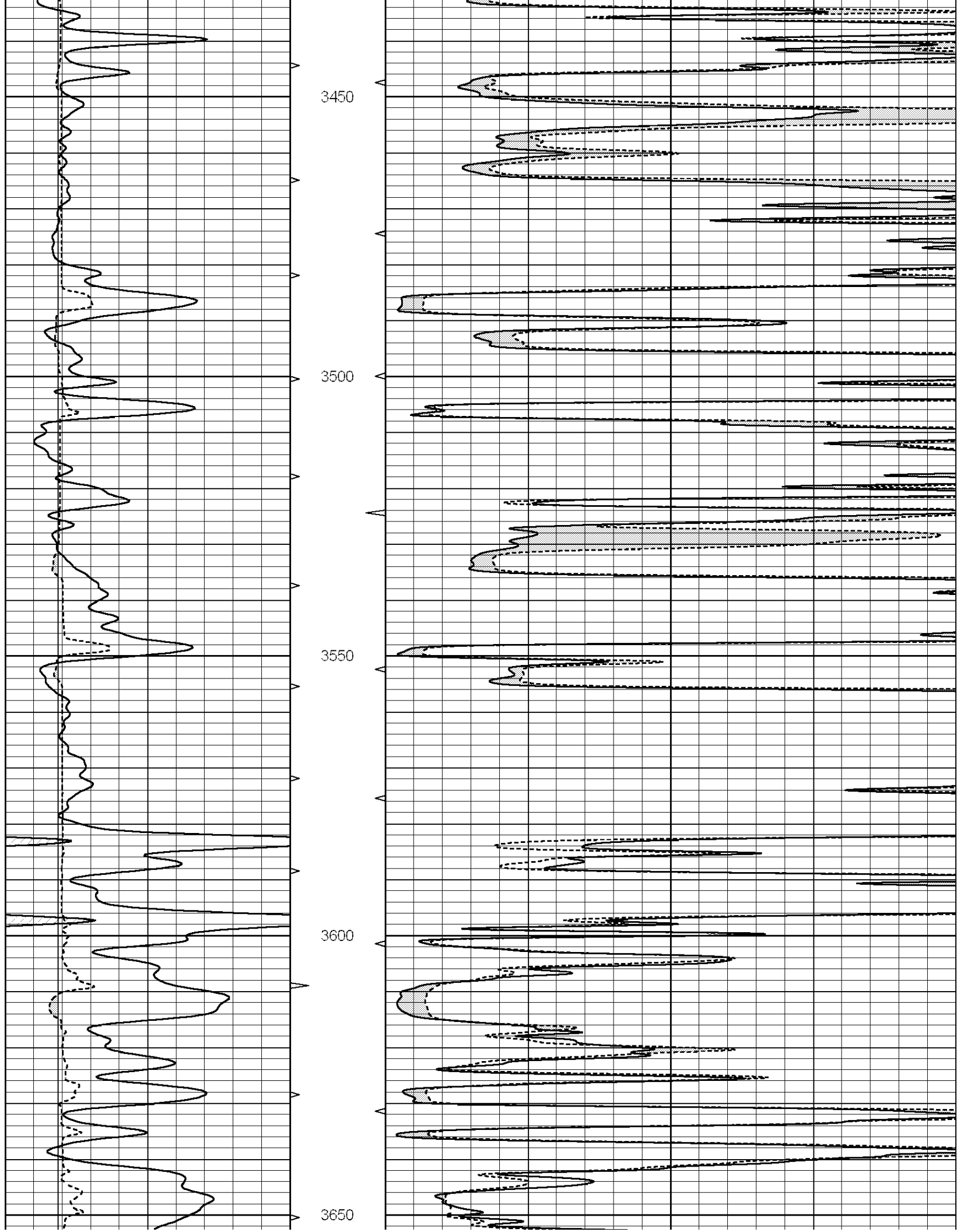
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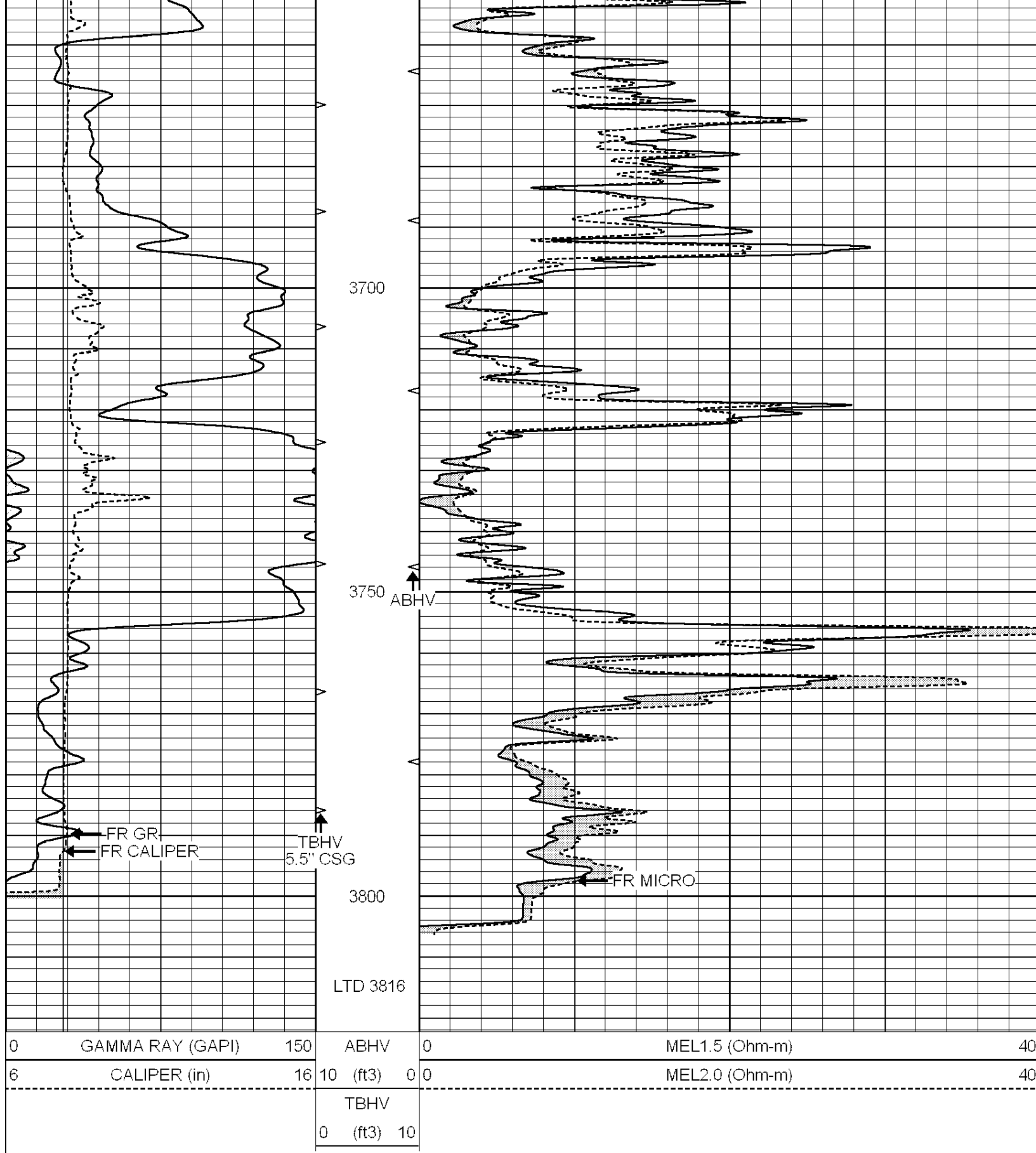
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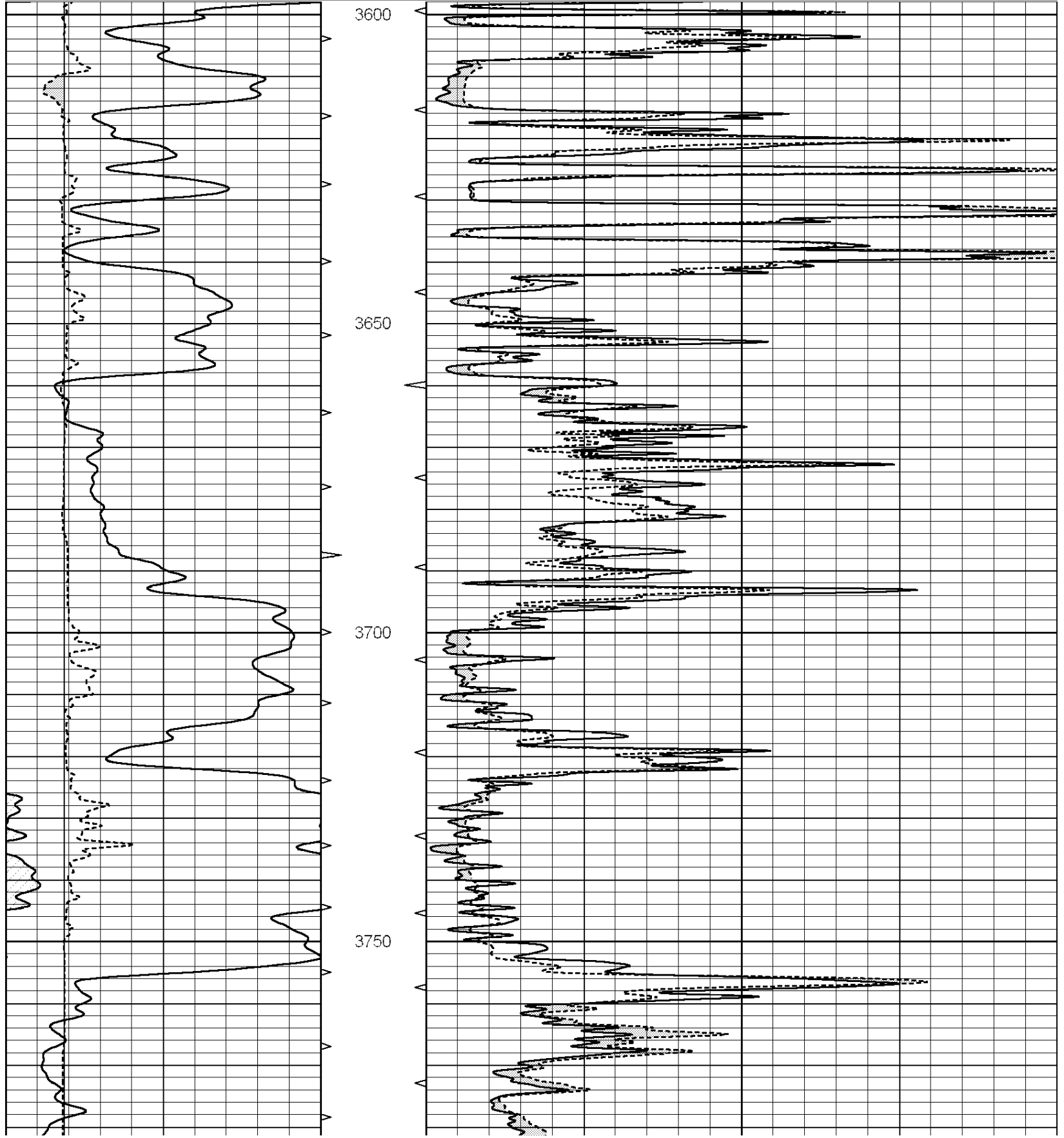


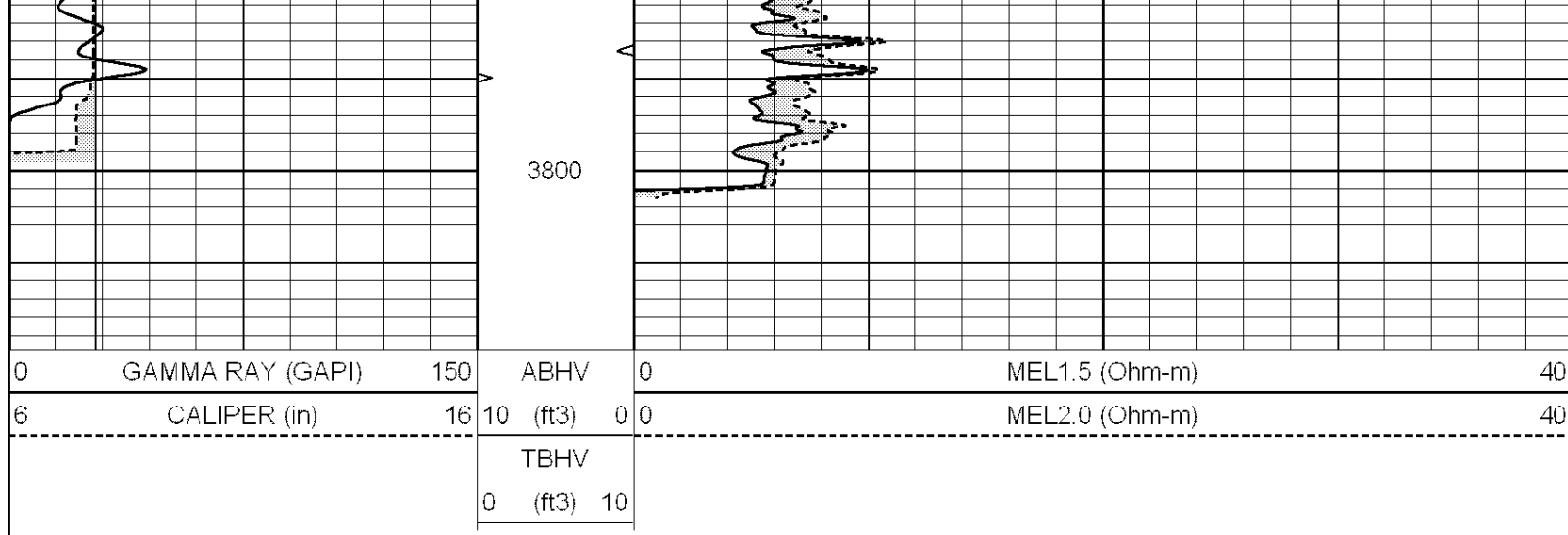




Dataset Pathname: pass5.2
Presentation Format: _micro
Dataset Creation: Fri Aug 29 00:27:08 2014
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3) 0	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3) 10			





Calibration Report

Database File: 25810ddn.db
 Dataset Pathname: pass6.6
 Dataset Creation: Fri Aug 29 01:23:24 2014

MICRO Calibration Report

Serial Number:	MICRO5	
Tool Model:	PROBE	
Performed:	Sat Aug 02 03:42:56 2014	
Caliper Calibration:	Gain=3.000	Offset=-6.500
References	Low Cal	High Cal
Readings	6.200	15.000
	3.737	5.660
1.5" Calibration:	Gain=60.000	Offset=-2.200
References	Low Cal	High Cal
Readings	0.000	20.000
	0.025	1.009
2" Calibration:	Gain=35.398	Offset=1.000
References	Low Cal	High Cal
Readings	0.000	20.000
	0.014	0.802

Gamma Ray Calibration Report

Serial Number:	GR2	
Tool Model:	OPEN	
Performed:	Sat Aug 02 03:42:50 2014	
Calibrator Value:	200.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	740.0	cps
Sensitivity:	0.3500	GAPI/cps