



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**MICRO
LOG**

Company	PHILLIPS EXPLORATION CO., L.C.	Company	PHILLIPS EXPLORATION COMPANY, L.C.
Well	GAITHER #1-21	Well	GAITHER #1-21
Field	WILDCAT	Field	WILDCAT
County	TREGO	County	TREGO
State	KANSAS	State	KANSAS
Location:	API # : 15-195-22887-0000 1980' FNL & 660' FEL	Other Services CDL/CNL/PE DIL	
Permanent Datum	GROUND LEVEL	Elevation	2321
Log Measured From	KELLY BUSHING 5' A.G.L.	K.B. 2326 D.F. 2324 G.L. 2321	
Drilling Measured From	KELLY BUSHING		
SEC 21 TWP 14S RGE 24W			
Date	9/24/13		
Run Number	TWO		
Depth Driller	4300		
Depth Logger	4296		
Bottom Logged Interval	4294		
Top Log Interval	3300		
Casing Driller	8 5/8"@218'		
Casing Logger	218		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 1,400 PPM	
Density / Viscosity	9.4/53		
pH / Fluid Loss	10.5/6.4		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.950@80F		
Rmf @ Meas. Temp	.713@80F		
Rmc @ Meas. Temp	1.14@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.639@119F		
Time Circulation Stopped	4 HOURS		
Time Logger on Bottom	4:45 P.M.		
Maximum Recorded Temperature	119F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	PAT DEENIHAN		

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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
WAKEENEY, KS. & I-70, 13S. ON HWY 283 TO "RD. V", 5W. TO "200 AVE.", 1/2S., W. INTO

Database File:

011675ddn.db

Dataset Pathname:

pass6.4

Presentation Format:

micro

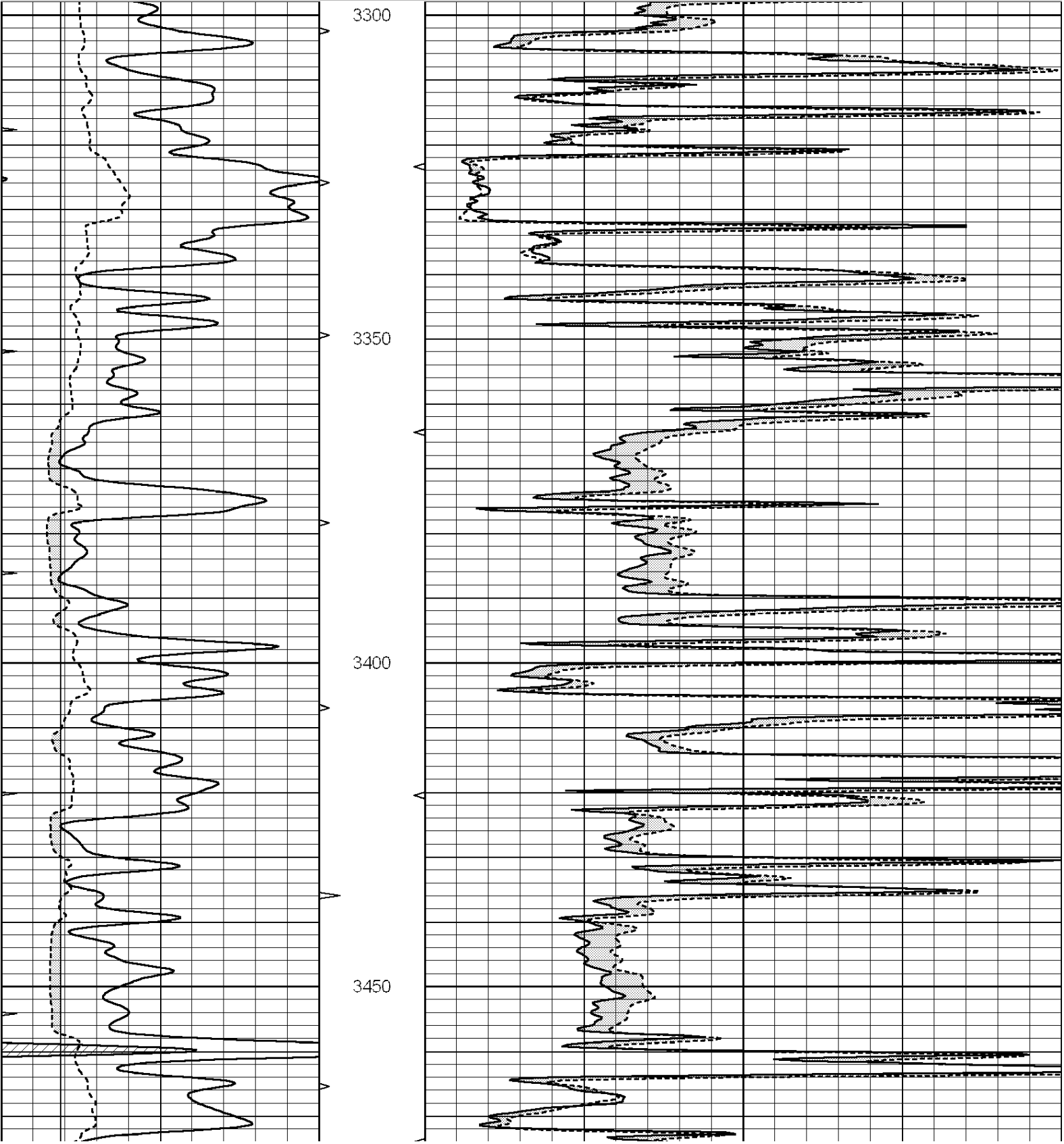
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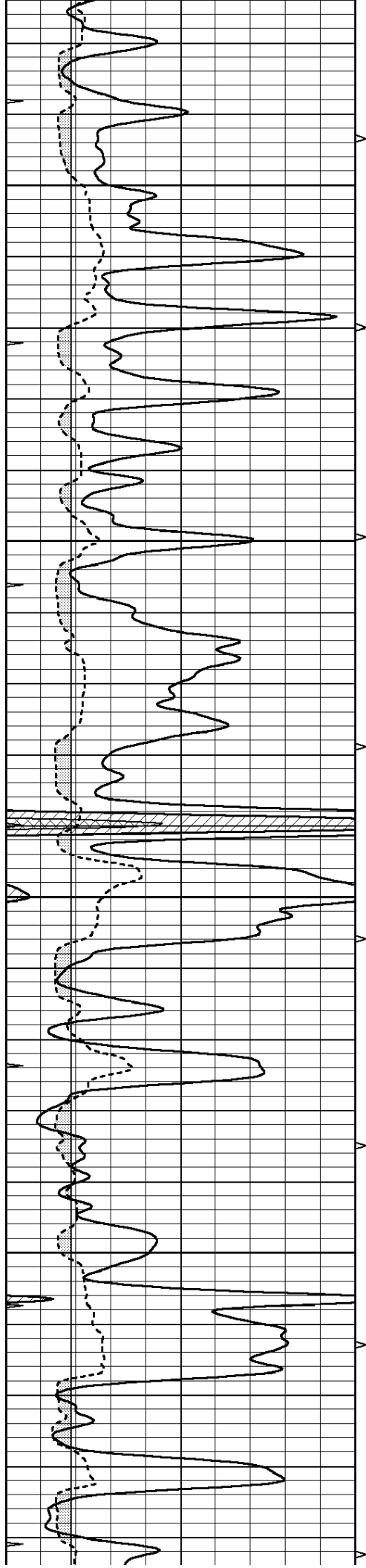
Tue Sep 24 19:34:01 2013

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
0	MINMK	20	TBHV			
			0 (ft3)	10		



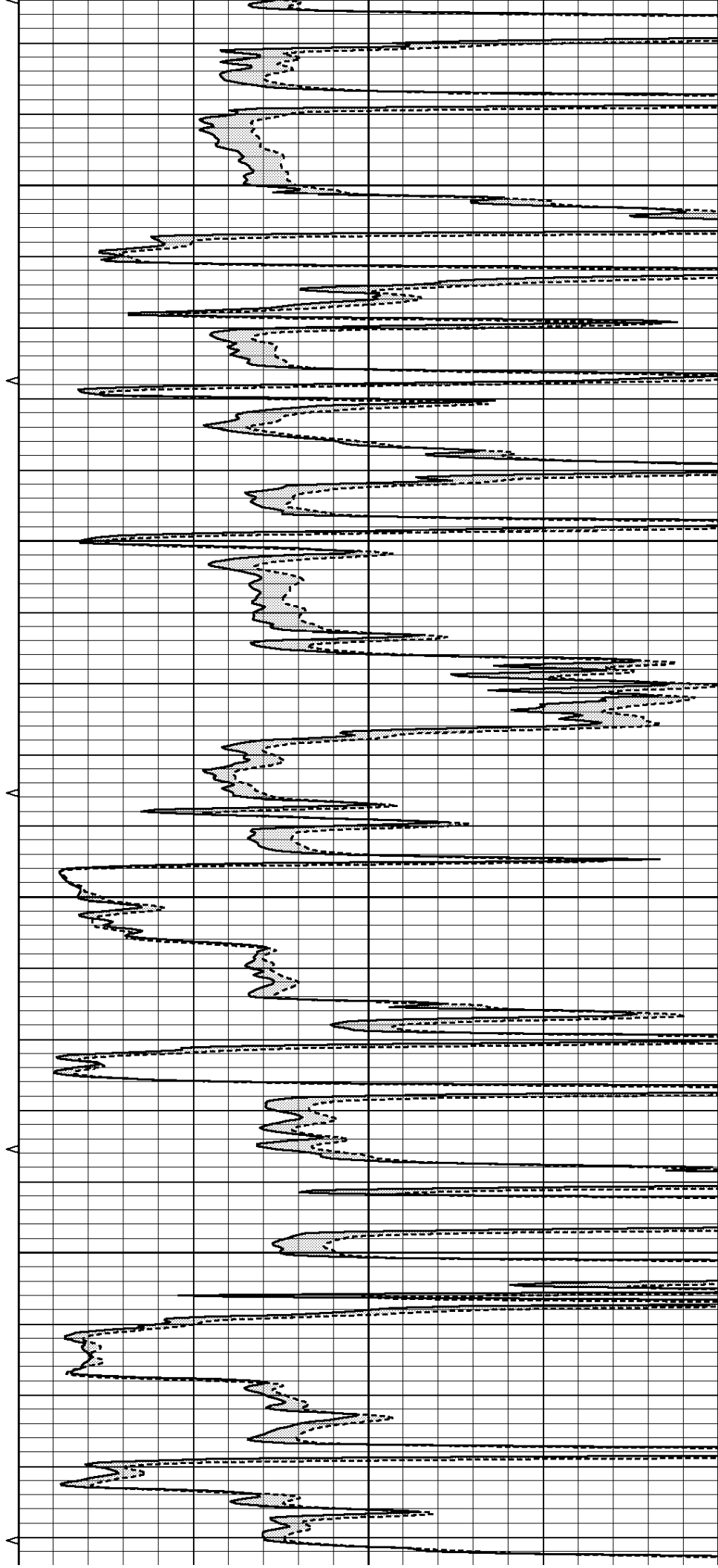


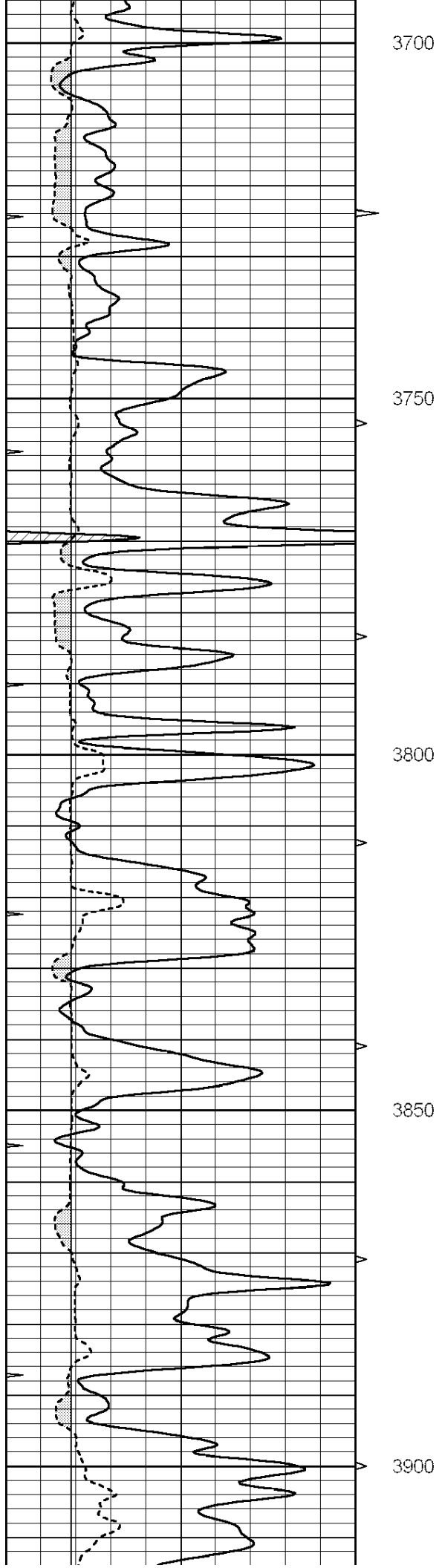
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3600

3650





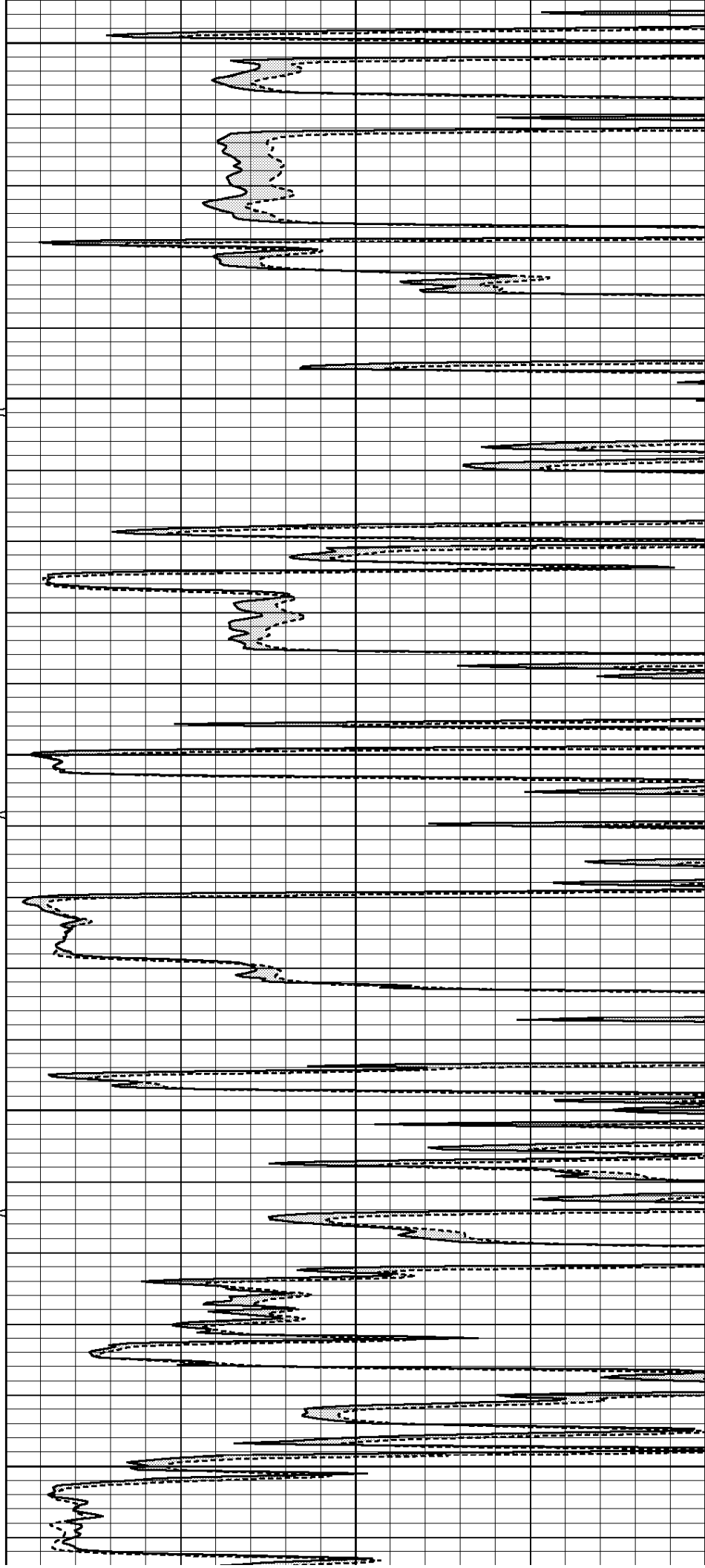
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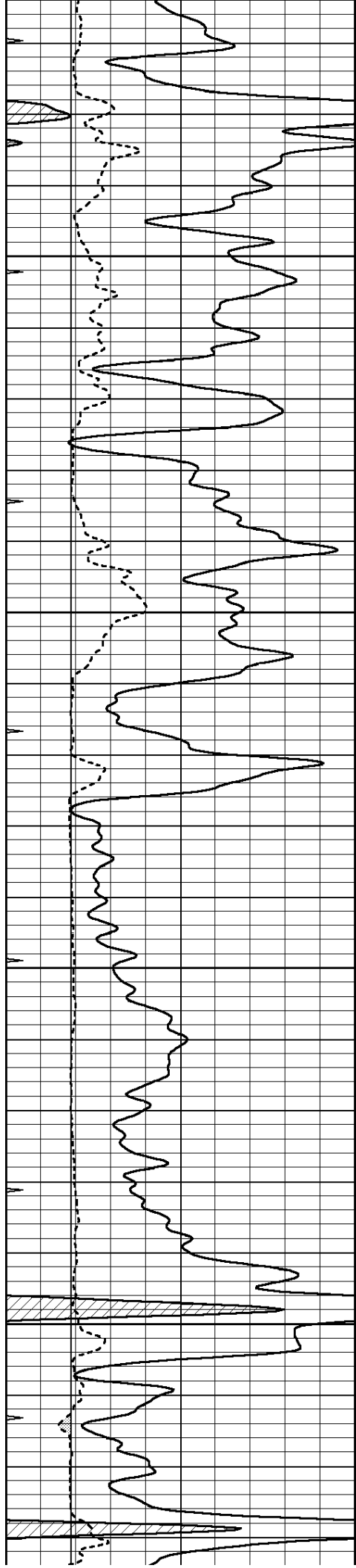
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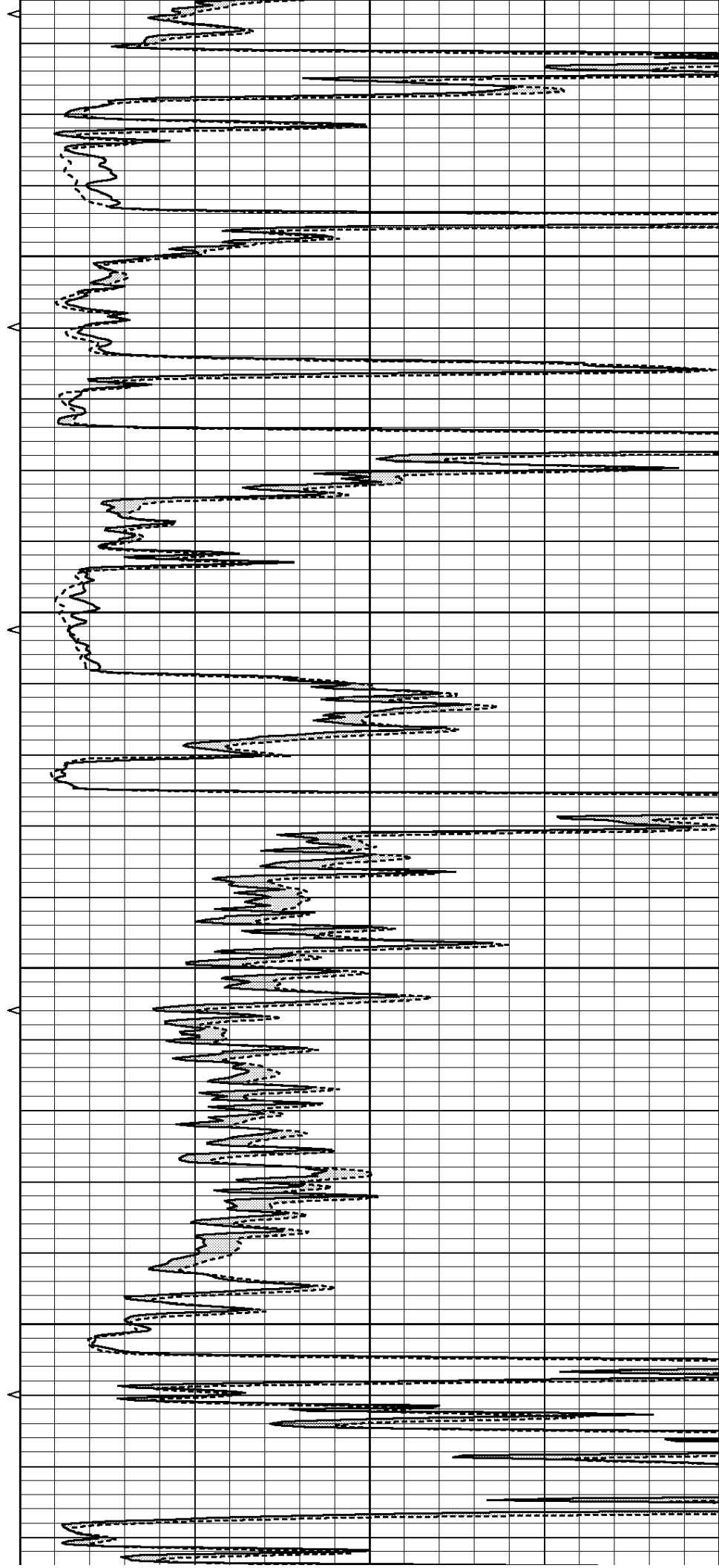


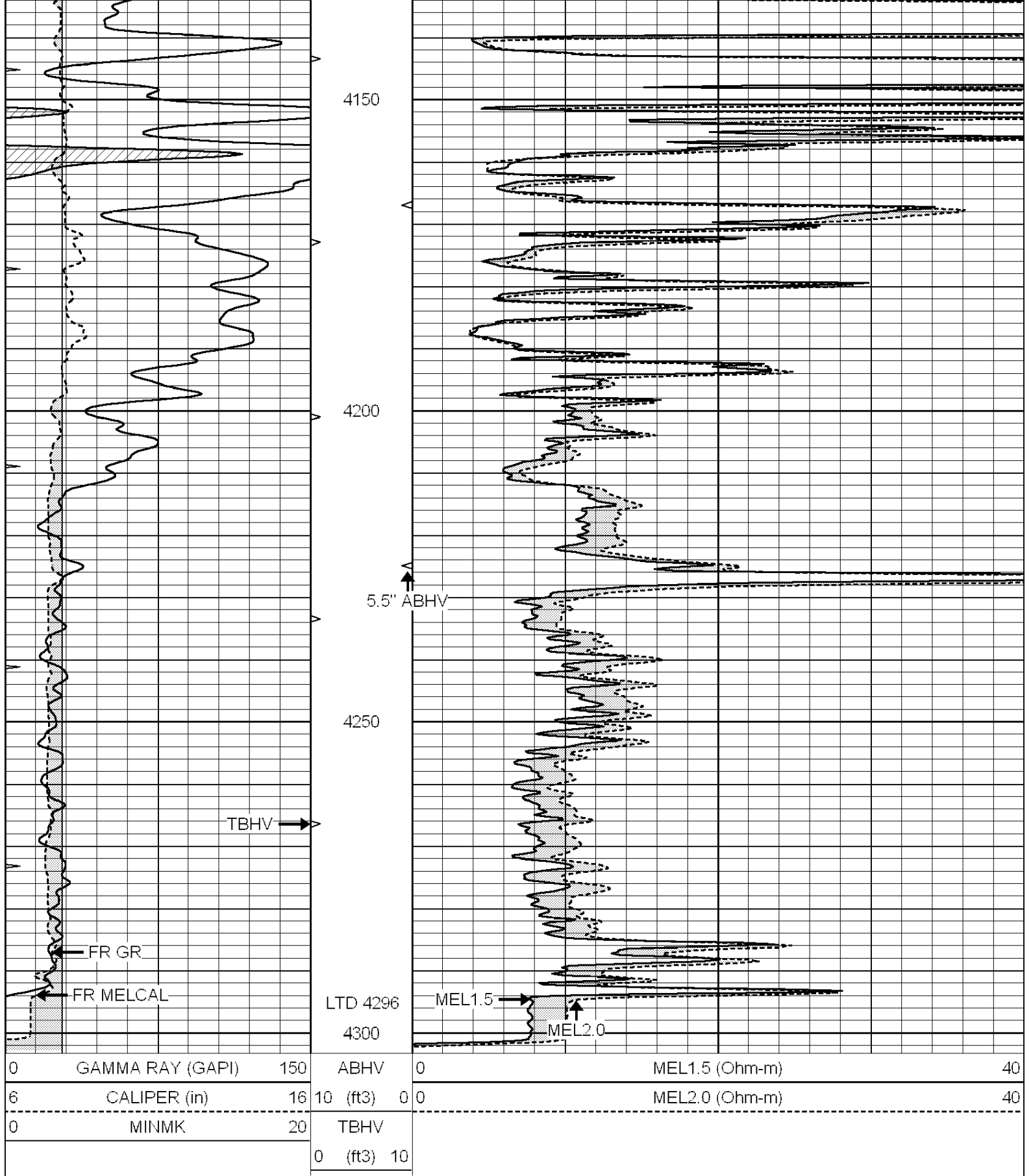
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4050

4100





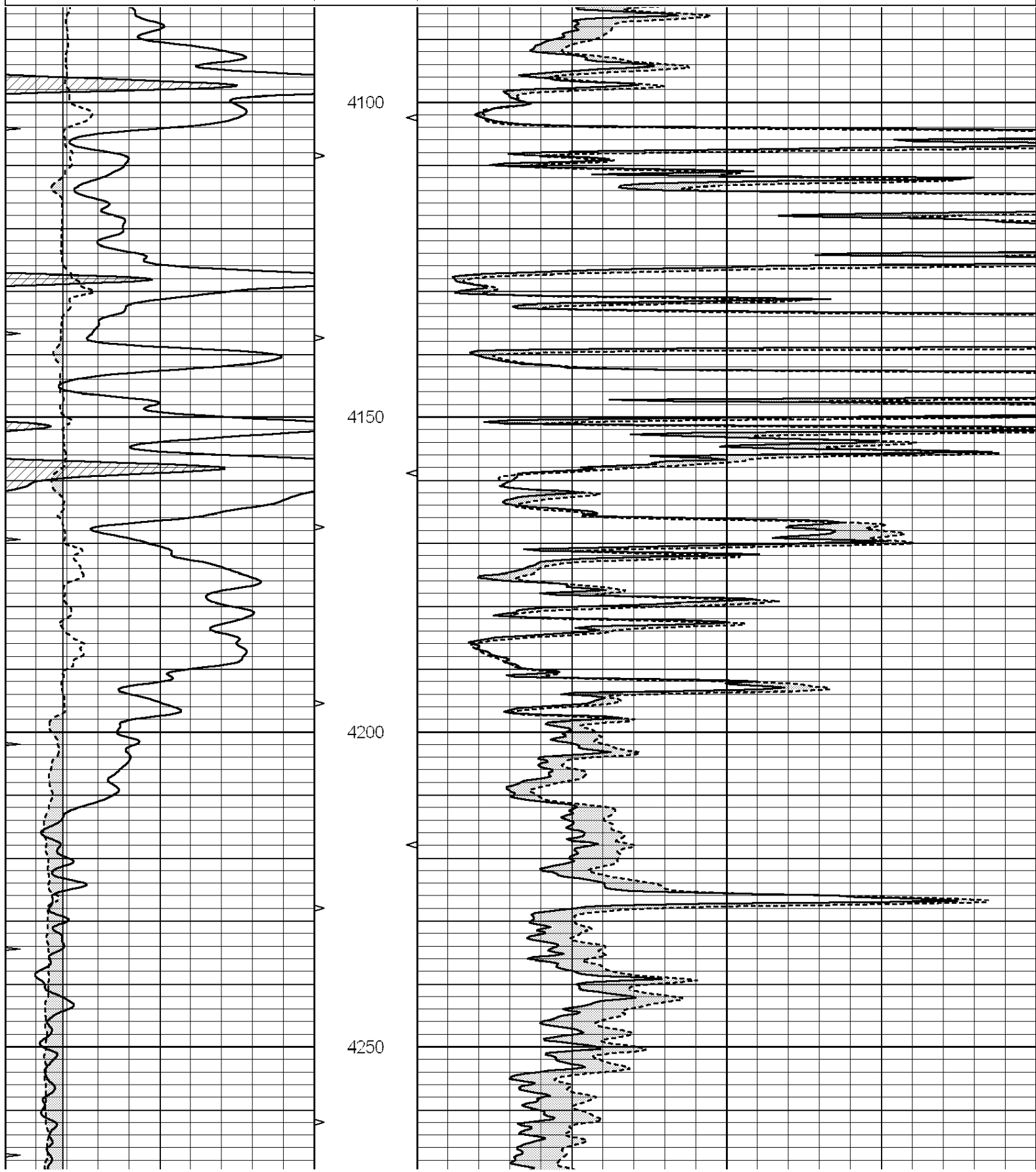
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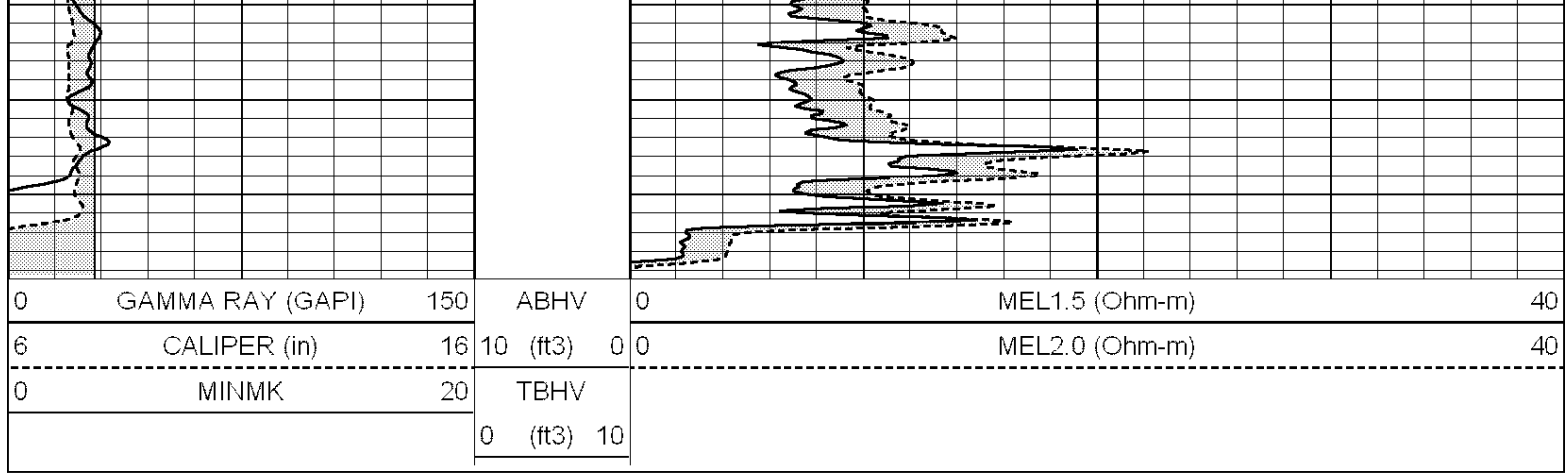
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REPEAT SECTION

Dataset Pathname: pass5.2
Presentation Format: micro
Dataset Creation: Tue Sep 24 19:24:00 2013 by Calc SOC 120430
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
0	MINMK	20	TBHV			
			0 (ft3)	10		





Calibration Report			
Database File:	011675ddn.db		
Dataset Pathname:	pass6.4		
Dataset Creation:	Tue Sep 24 19:34:01 2013		
MICRO Calibration Report			
Serial Number:	2		
Tool Model:	PROBE		
Performed:	Tue Sep 17 02:57:12 2013		
Caliper Calibration:	Gain=6.371	Offset=-3.531	
	Low Cal	High Cal	
References	7.500	16.000	
Readings	1.731	3.065	
1.5" Calibration:	Gain=35.000	Offset=-2.500	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.015	0.458	
2" Calibration:	Gain=74.000	Offset=-1.600	
	Low Cal	High Cal	
References	0.000	20.000	
Readings	0.003	0.384	
Gamma Ray Calibration Report			
Serial Number:	GR3		
Tool Model:	OPEN		
Performed:	Tue Sep 24 18:53:39 2013		
Calibrator Value:	200.0	GAPI	
Background Reading:	3.0	cps	
Calibrator Reading:	186.0	cps	
Sensitivity:	1.2000	GAPI/cps	