



COMPENSATED
DENSITY / NEUTRON
PE LOG

Company	PICKRELL DRILLING COMPANY, INC.	Company	PICKRELL DRILLING COMPANY, INC.
Well	YOUNG "RR" #2	Well	YOUNG "RR" #2
Field	BROADWAY	Field	BROADWAY
County	KINGMAN	County	KINGMAN
State	KANSAS	State	KANSAS
Location:	API # : 15-095-22339-0000	Other Services DIL/MEL SONIC	
Permanent Datum	GROUND LEVEL	Elevation	1436
Log Measured From	KELLY BUSHING	Elevation	1443
Drilling Measured From	KELLY BUSHING	Elevation	1441
		Elevation	G.L. 1436
Date	3/23/21		
Run Number	ONE		
Depth Driller	3915		
Depth Logger	3914		
Bottom Logged Interval	3890		
Top Log Interval	2400		
Casing Driller	8 5/8" @ 2'14"		
Casing Logger	218		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES	9,500 PPM
Density / Viscosity	9.2/50		
pH / Fluid Loss	10.0/11.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.470 @ 78F		
Rmf @ Meas. Temp	.353 @ 78F		
Rmc @ Meas. Temp	.564 @ 78F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.319 @ 115F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	7:30 P.M.		
Maximum Recorded Temperature	115F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	AARON YOUNG		

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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.

15-095-22339-0000

Comments

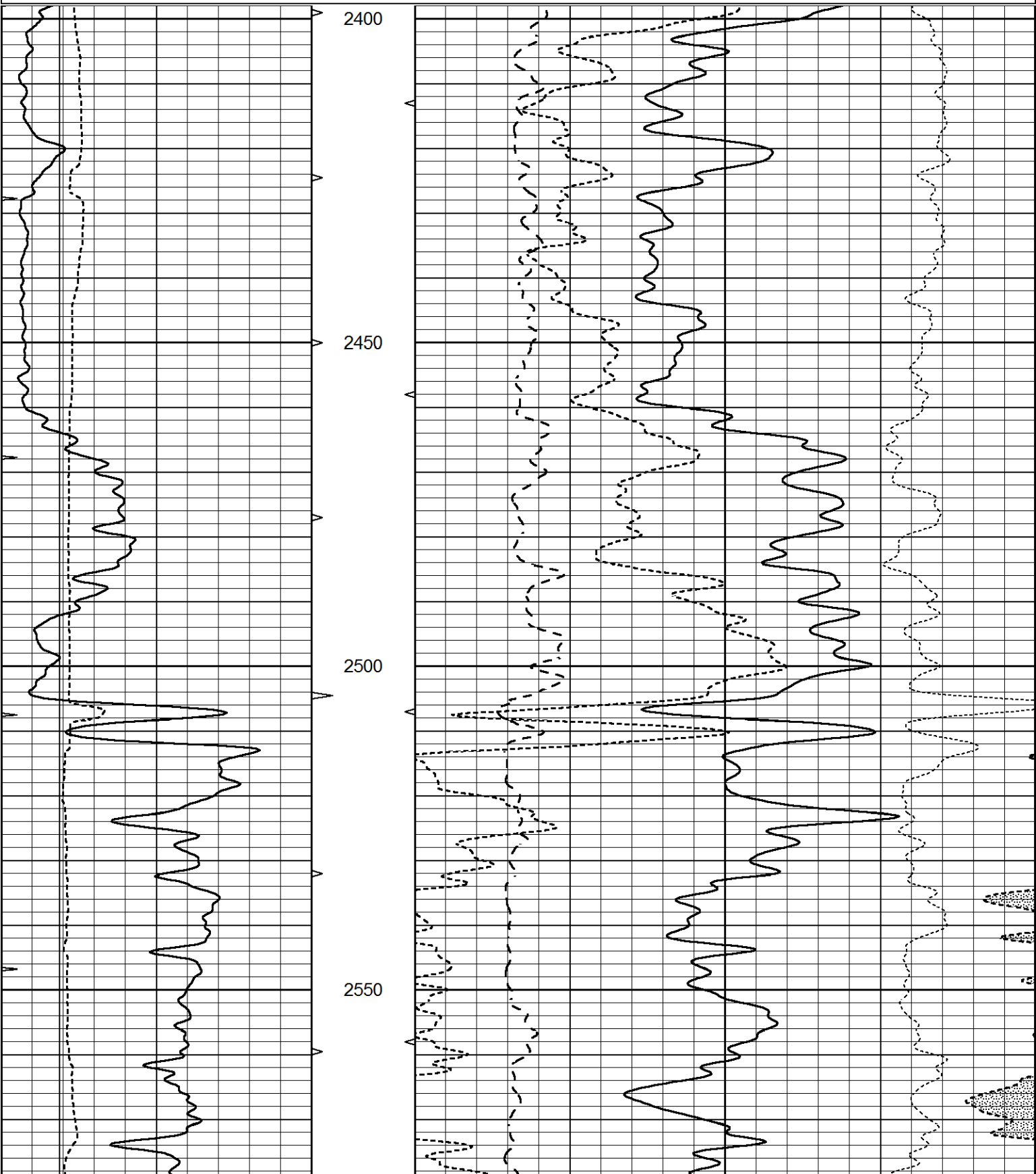
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
(HWY 54 & MT. VERNON EXIT,) 1 1/2S., W. INTO

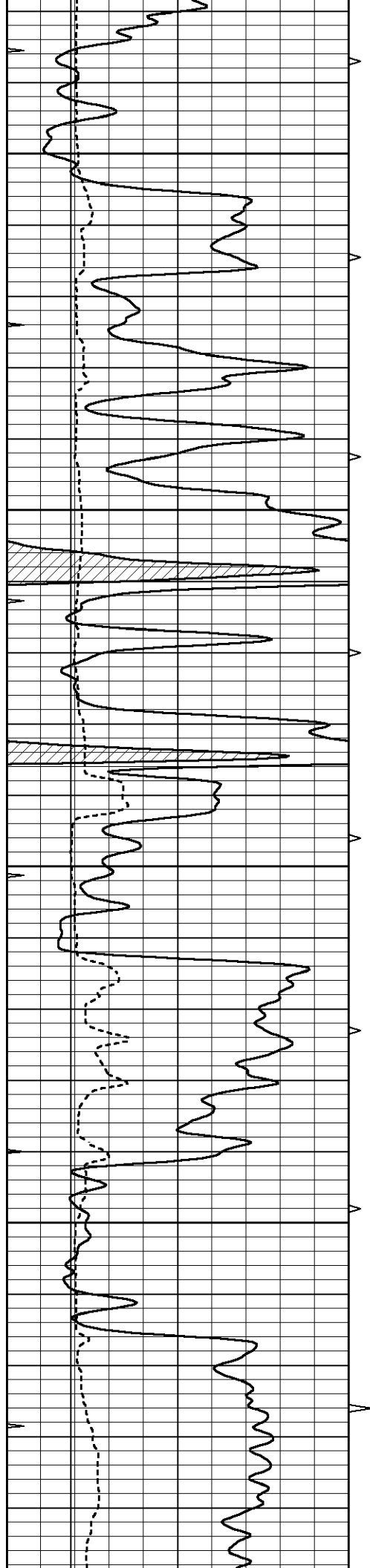


MAIN SECTION

Database File	5264ddn.db
Dataset Pathname	pass3.1P
Presentation Format	ldt_neu
Dataset Creation	Tue Mar 23 23:18:51 2021
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10			



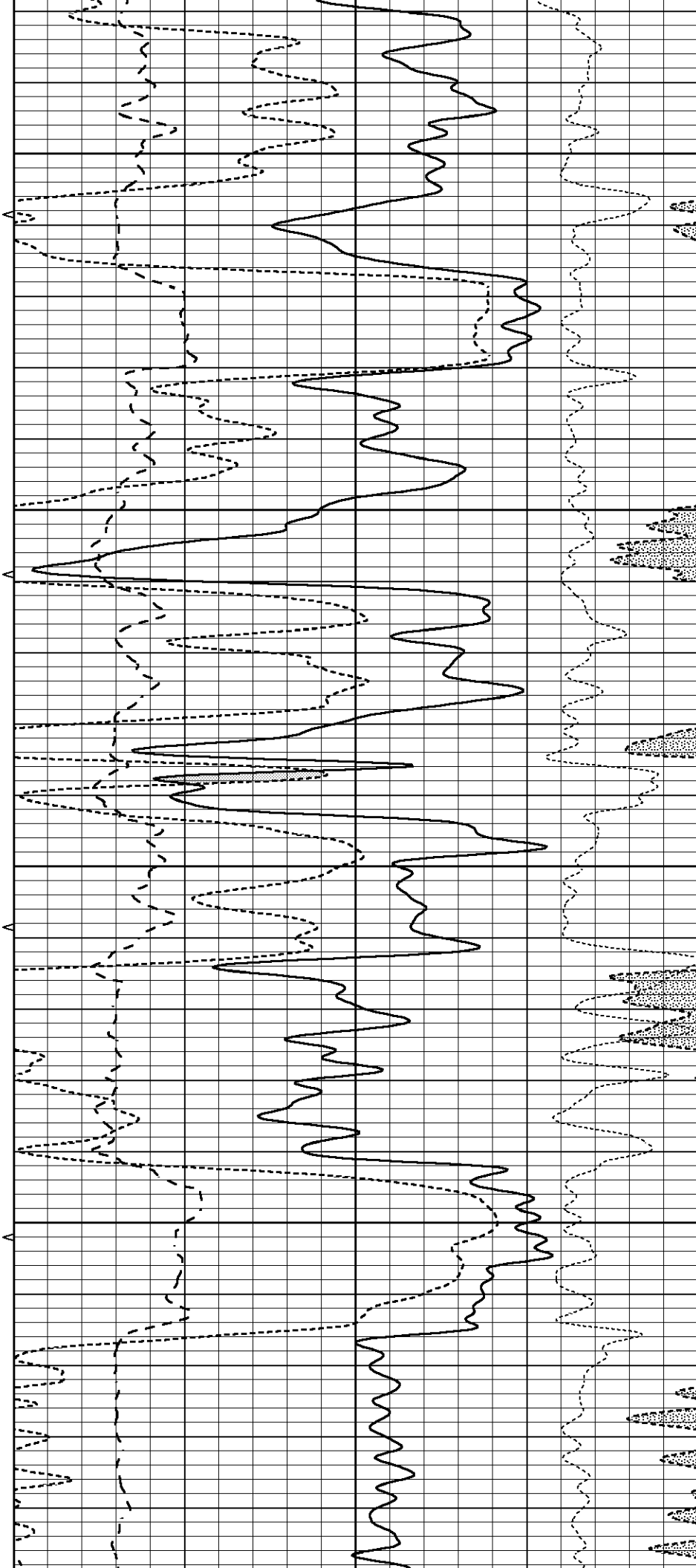


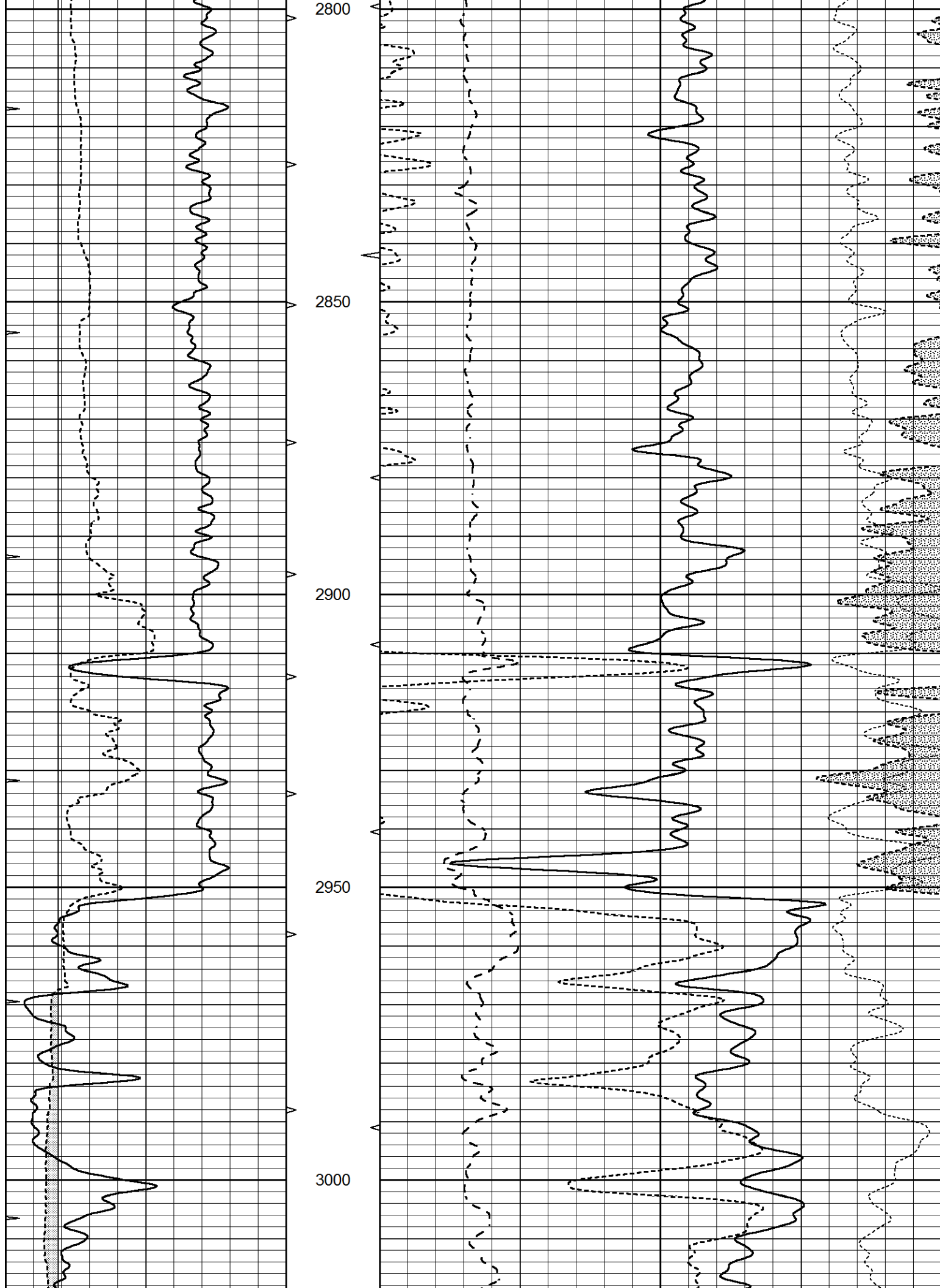
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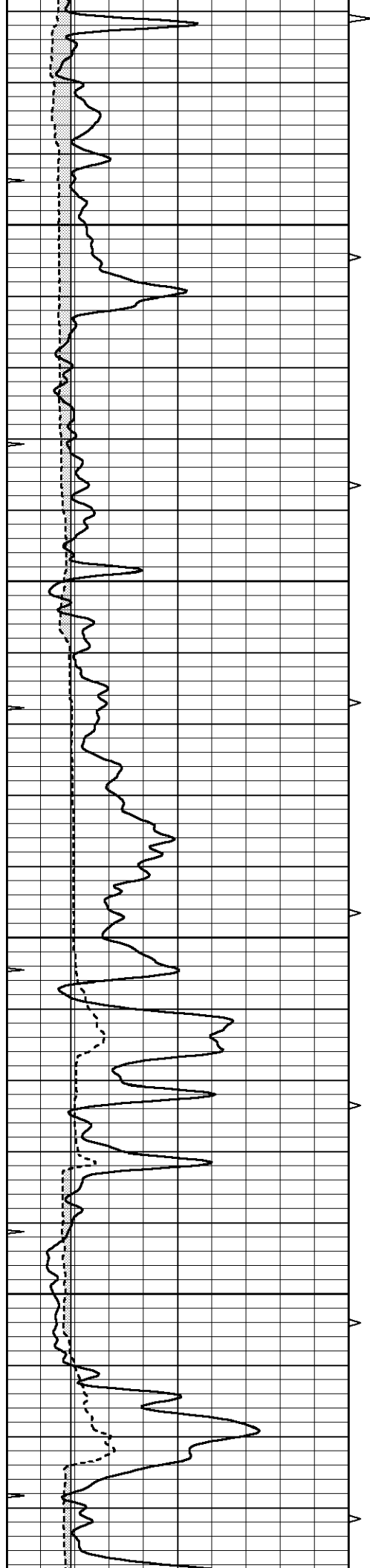
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2700

2750





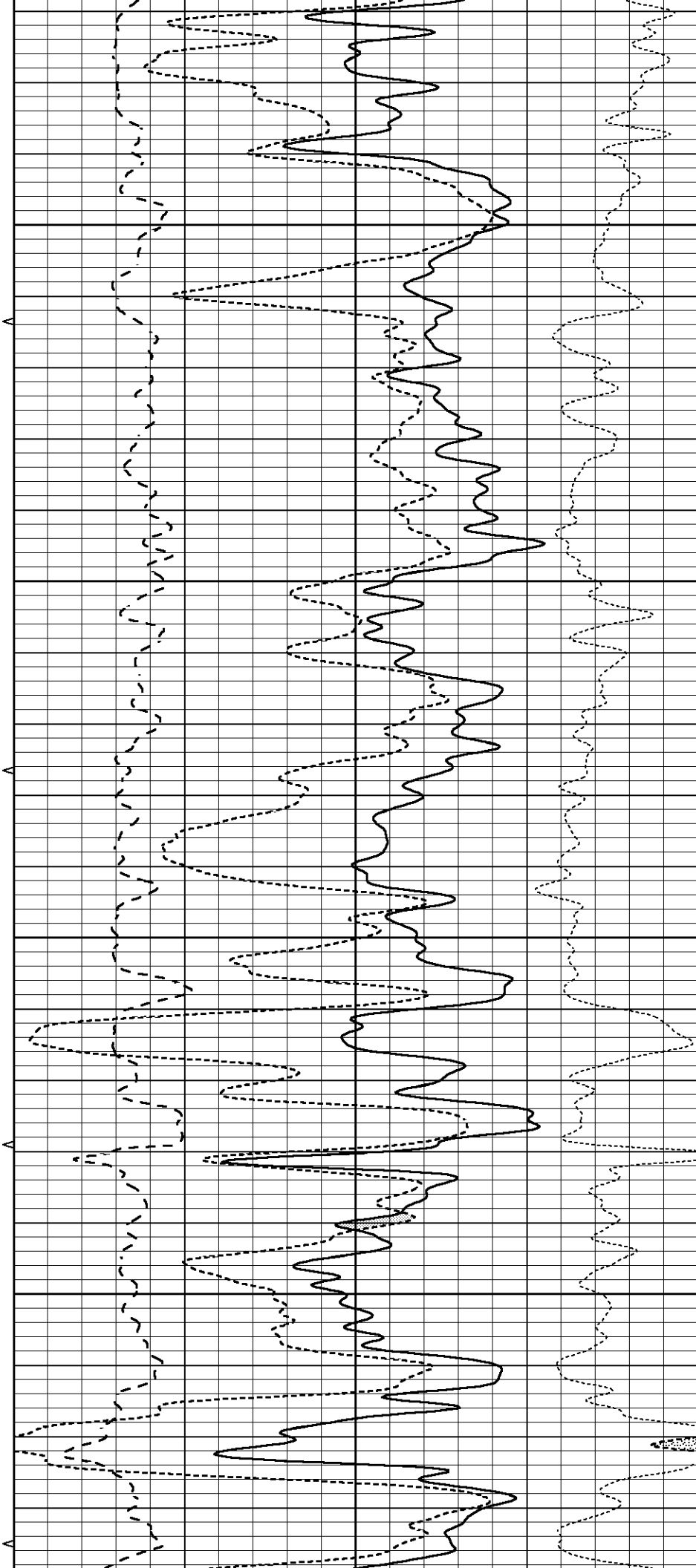


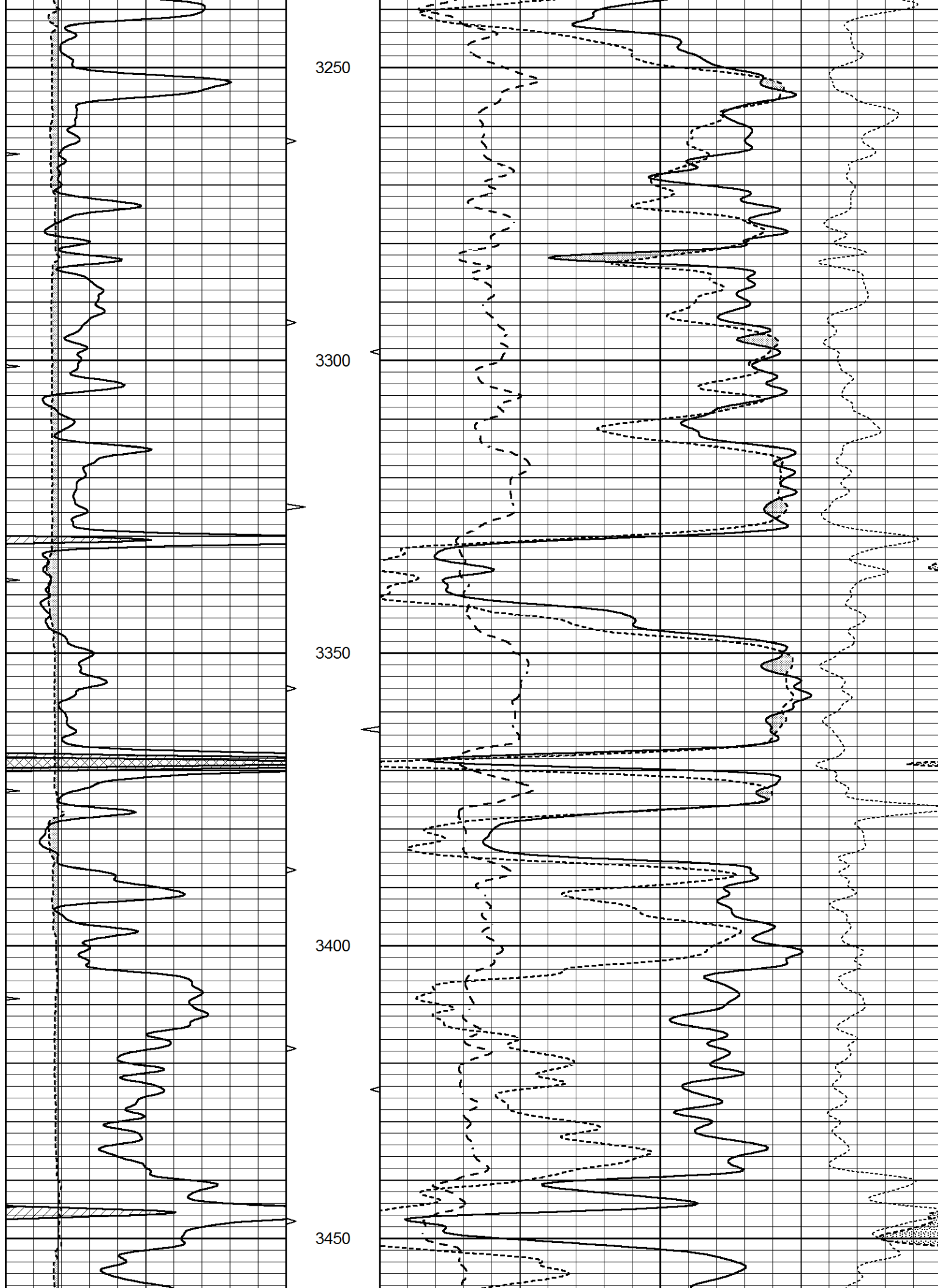
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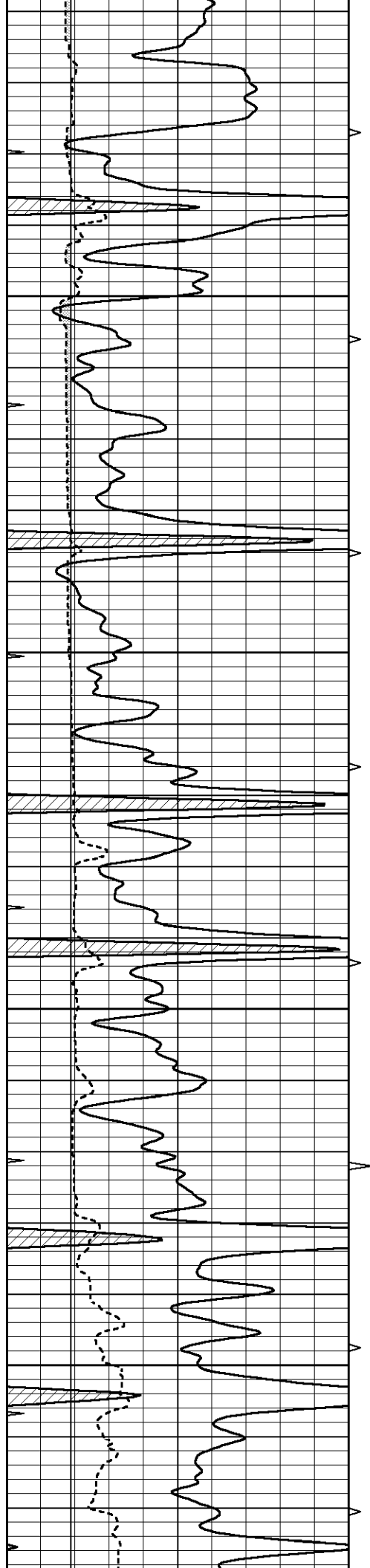
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3200





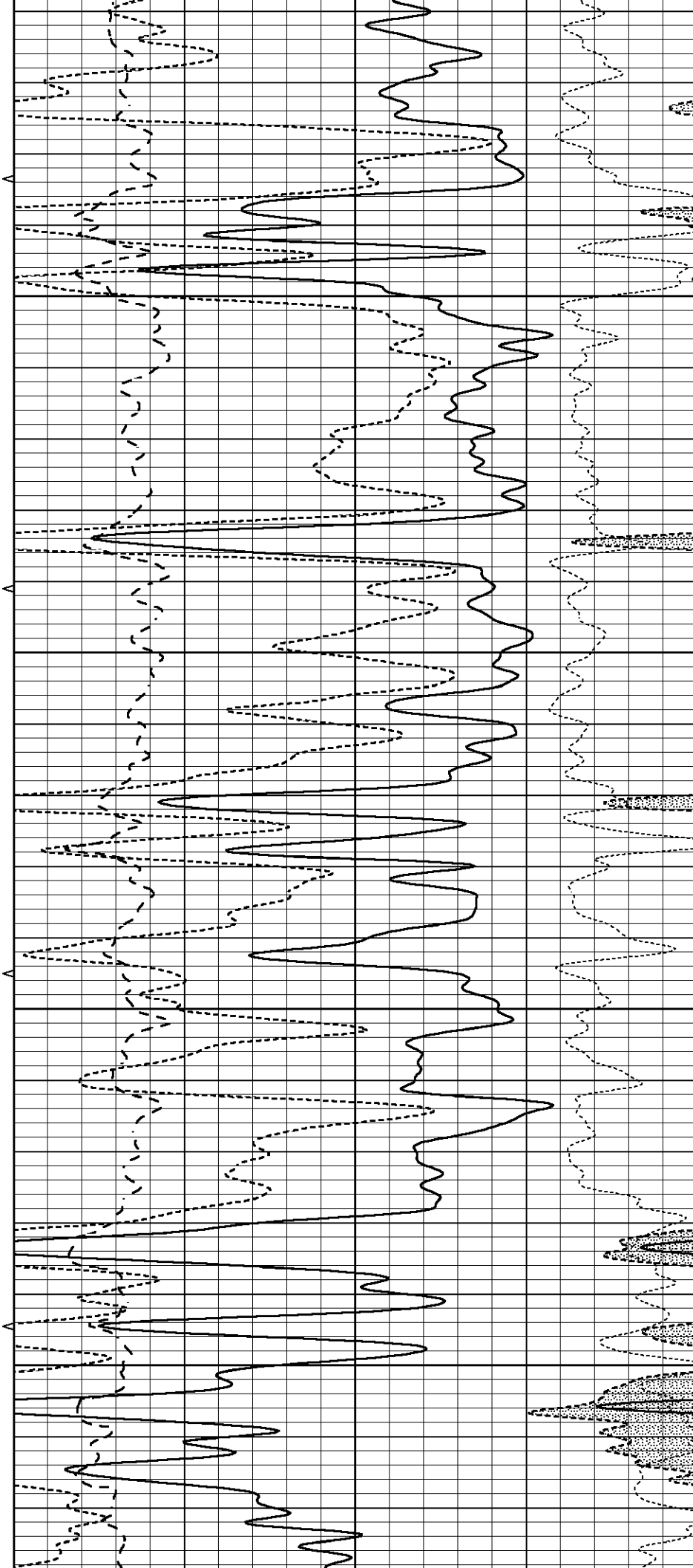


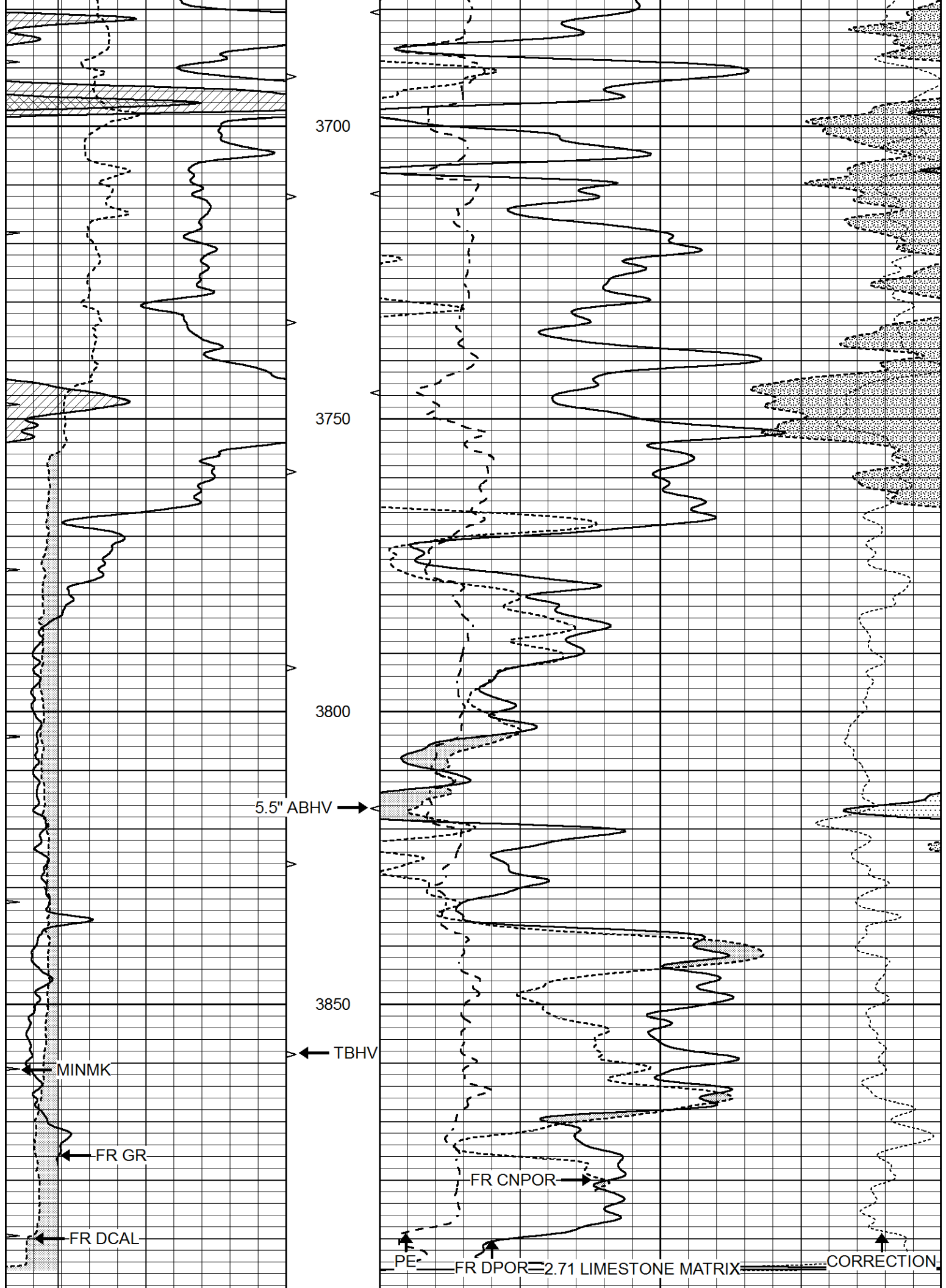
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3600

3650





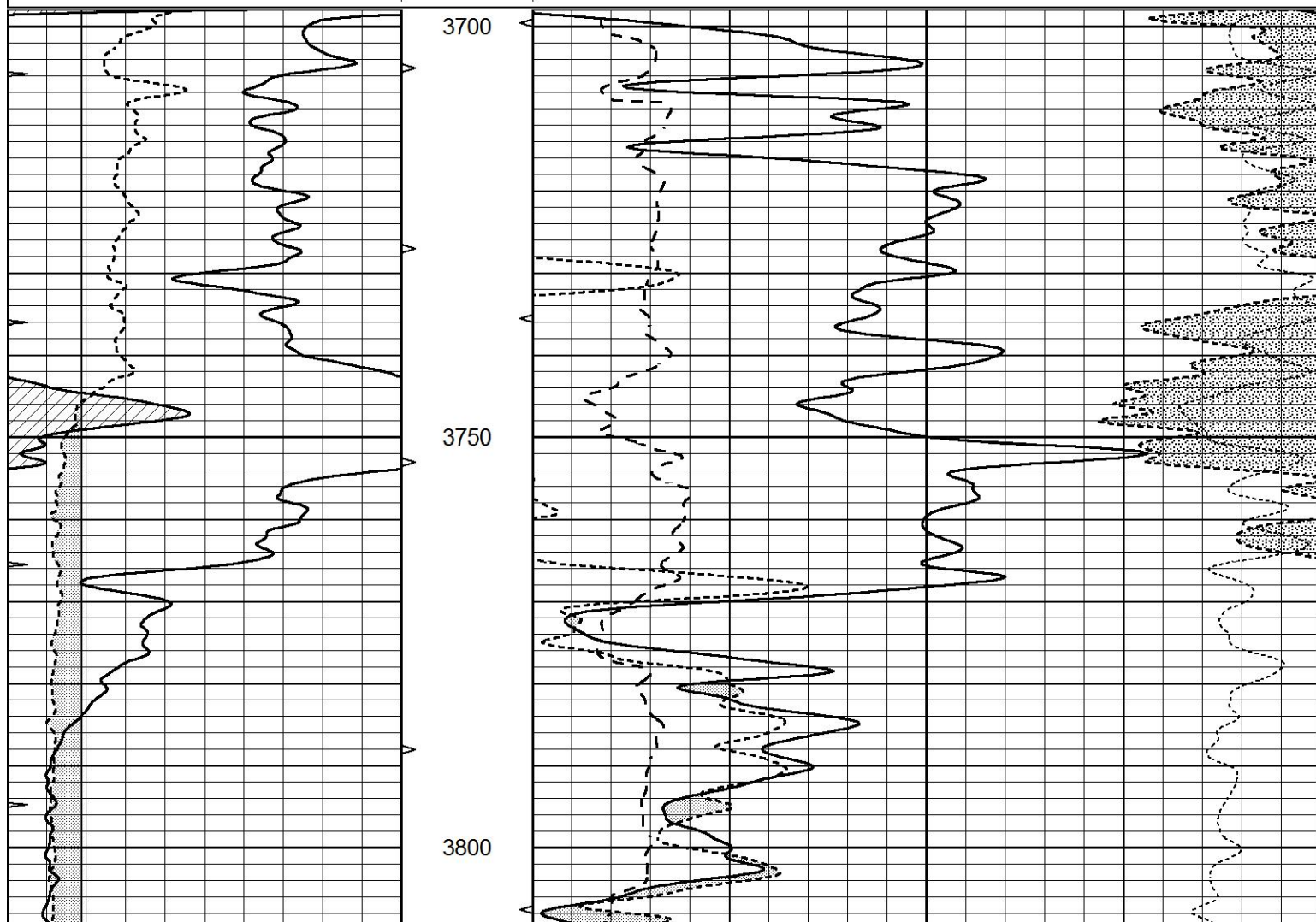
										3900											
										LTD 3914											

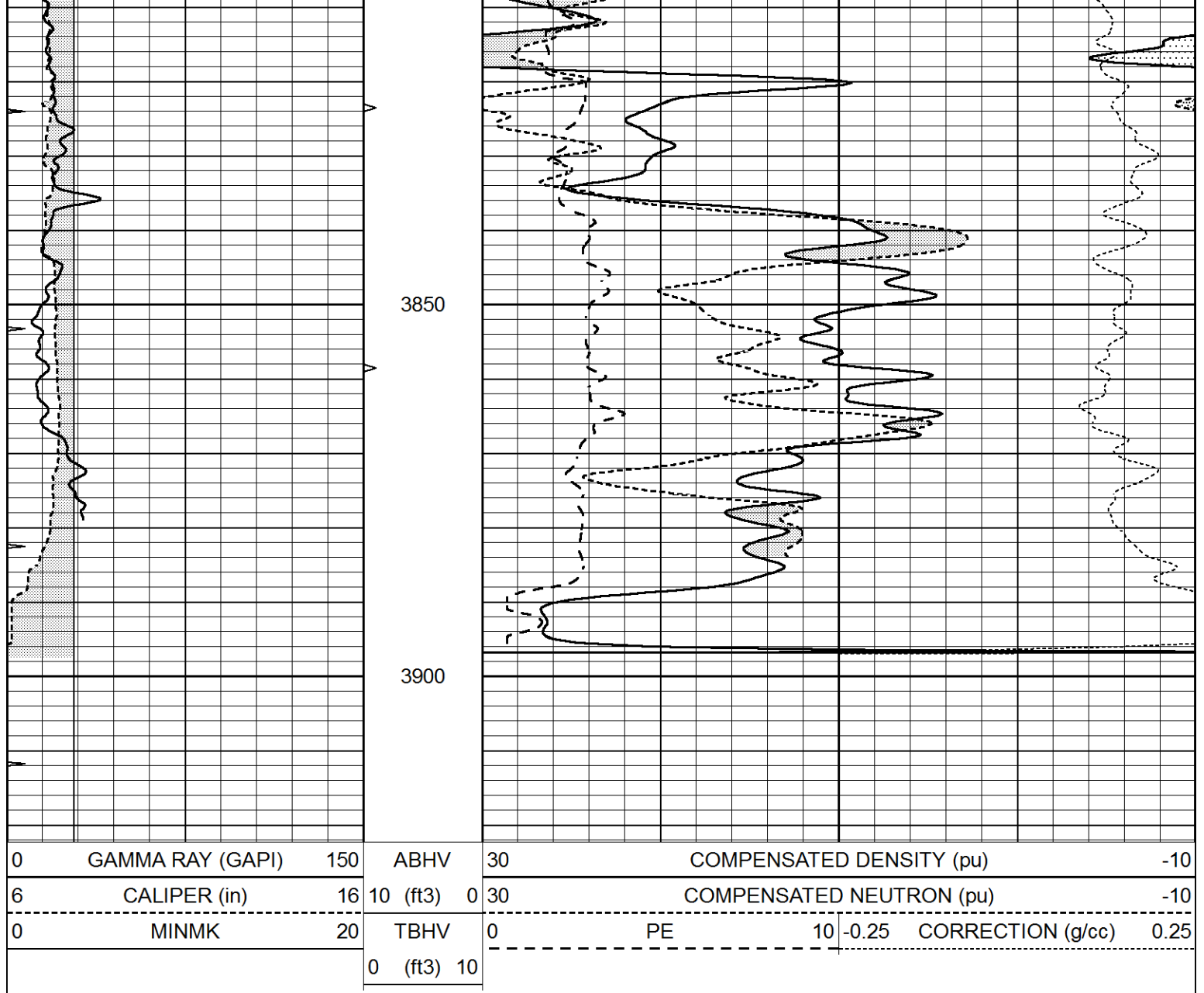


REPEAT SECTION

Database File 5264ddn.db
 Dataset Pathname pass2.2R
 Presentation Format ldt_neu
 Dataset Creation Tue Mar 23 23:23:43 2021
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)				-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)				-10
0	MINMK	20	TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3) 10						





Calibration Report								
Database File	5264ddn.db							
Dataset Pathname	pass3.1P							
Dataset Creation	Tue Mar 23 23:18:51 2021							
Dual Induction Calibration Report								
Serial-Model:			PROBE9-DILG					
Surface Cal Performed:			Tue Mar 23 20:15:37 2021					
Downhole Cal Performed:			Wed Mar 11 11:31:19 2020					
After Survey Verification Performed:			Wed Mar 11 11:31:22 2020					
Surface Calibration								
Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	720.000	-18.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	720.000	-30.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration			Readings		References		Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		

After Survey Verification			Readings		Targets		Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report								
Serial: 004 Model: PRB								

Master Calibration			Performed Thu Jan 28 13:15:53 2021					
	Background		Magnesium		Aluminum		Aluminum+Fe	
Window 1	1182.9		9855.6		3179.6		2818.8	cps
Window 2	1073.6		8204.9		2708.2		2458.3	cps
Window 3	887.9		4656.3		1694.9		1596.1	cps
Window 4	243.5		250.4		242.2		245.6	cps
Long Space	0.0		7131.3		1634.6		1384.6	cps
Short Space	1.6		1661.2		1115.7		935.2	cps
Rho			1.7100		2.5900		0.0000	g/cc
Pe			2.0000		2.7500		5.7900	
Rib Angle	: 44.9		Rib Slope	: 0.996	Density/Spine Ratio		: 0.577	
Spine Angle	: 74.9		Spine Slope	: 3.700	Spine Intercept		: -18.6	

Before Survey Verification			Performed Wed Dec 31 18:00:00 1969					
Window 1	0.0		0.0		0.0		0.0	cps
Window 2	0.0		0.0		0.0		0.0	cps
Window 3	0.0		0.0		0.0		0.0	cps
Window 4	0.0		0.0		0.0		0.0	cps
Long Space	0.0		0.0		0.0		0.0	cps
Short Space	0.0		0.0		0.0		0.0	cps
Measured Rho			0.0000		0.0000		0.0000	g/cc
Measured Correction			0.0000		0.0000		0.0000	g/cc
Measured Pe					0.0000		0.0000	

After Survey Verification			Performed Wed Dec 31 18:00:00 1969					
Window 1	0.0		0.0		0.0		0.0	cps
Window 2	0.0		0.0		0.0		0.0	cps
Window 3	0.0		0.0		0.0		0.0	cps
Window 4	0.0		0.0		0.0		0.0	cps
Long Space	0.0		0.0		0.0		0.0	cps
Short Space	0.0		0.0		0.0		0.0	cps
Measured Rho			0.0000		0.0000		0.0000	g/cc
Measured Correction			0.0000		0.0000		0.0000	g/cc
Measured Pe					0.0000		0.0000	

Measured Correction	0.0000	0.0000	0.0000	g/cc
Measured Pe		0.0000	0.0000	
Compensated Neutron Calibration Report				
Serial Number:		070808PMC		
Tool Model:		NABORS		
PRE-SURVEY VERIFICATION				
Detector	Readings	Measured	Target	
Short Space	cps			
Long Space	cps	pu	pu	
POST-SURVEY VERIFICATION				
Detector	Readings	Measured	Target	
Short Space	cps			
Long Space	cps	pu	pu	
Gamma Ray Calibration Report				
Serial Number:	070558			
Tool Model:	OPEN_GR			
Performed:	Wed Jul 03 10:25:53 2019			
Calibrator Value:	1.0	GAPI		
Background Reading:	0.0	cps		
Calibrator Reading:	1.0	cps		
Sensitivity:	0.3000	GAPI/cps		