

COMPENSATED DENSITY/NEUTRON LOG

Company	MAI OIL OPERATIONS, INC.		
Well	BENSON #7		
Field	BENSON		
County	PAWNEE	State	KANSAS
Location:	API # : 15-145-21879-0000 662' FNL & 1147' FWL NE - SE - NW - NW		Other Services DIL/MEL SONIC
Permanent Datum	SEC 30 TWP 23S RGE 15W	GROUND LEVEL Elevation	2038
Log Measured From	KELLY BUSHING 10' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Elevation			K.B. 2048 D.F. 2046 G.L. 2038
Date	10/5/22		
Run Number	ONE		
Depth Driller	4175		
Depth Logger	4175		
Bottom Logged Interval	4151		
Top Log Interval	2000		
Casing Driller	8 5/8"@540'		
Casing Logger	566		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 11,000 PPM	
Density / Viscosity	9.1/52		
pH / Fluid Loss	9.5/9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.600 @ 70F		
Rmt @ Meas. Temp	.450 @ 70F		
Rmc @ Meas. Temp	.720 @ 70F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.366 @ 118F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	3.30 P.M.		
Maximum Recorded Temperature	118F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBBEN		
Witnessed By	JIM MUSGROVE		

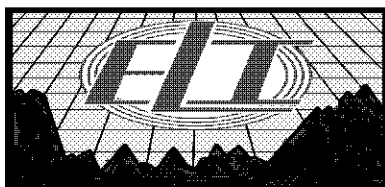
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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 ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395

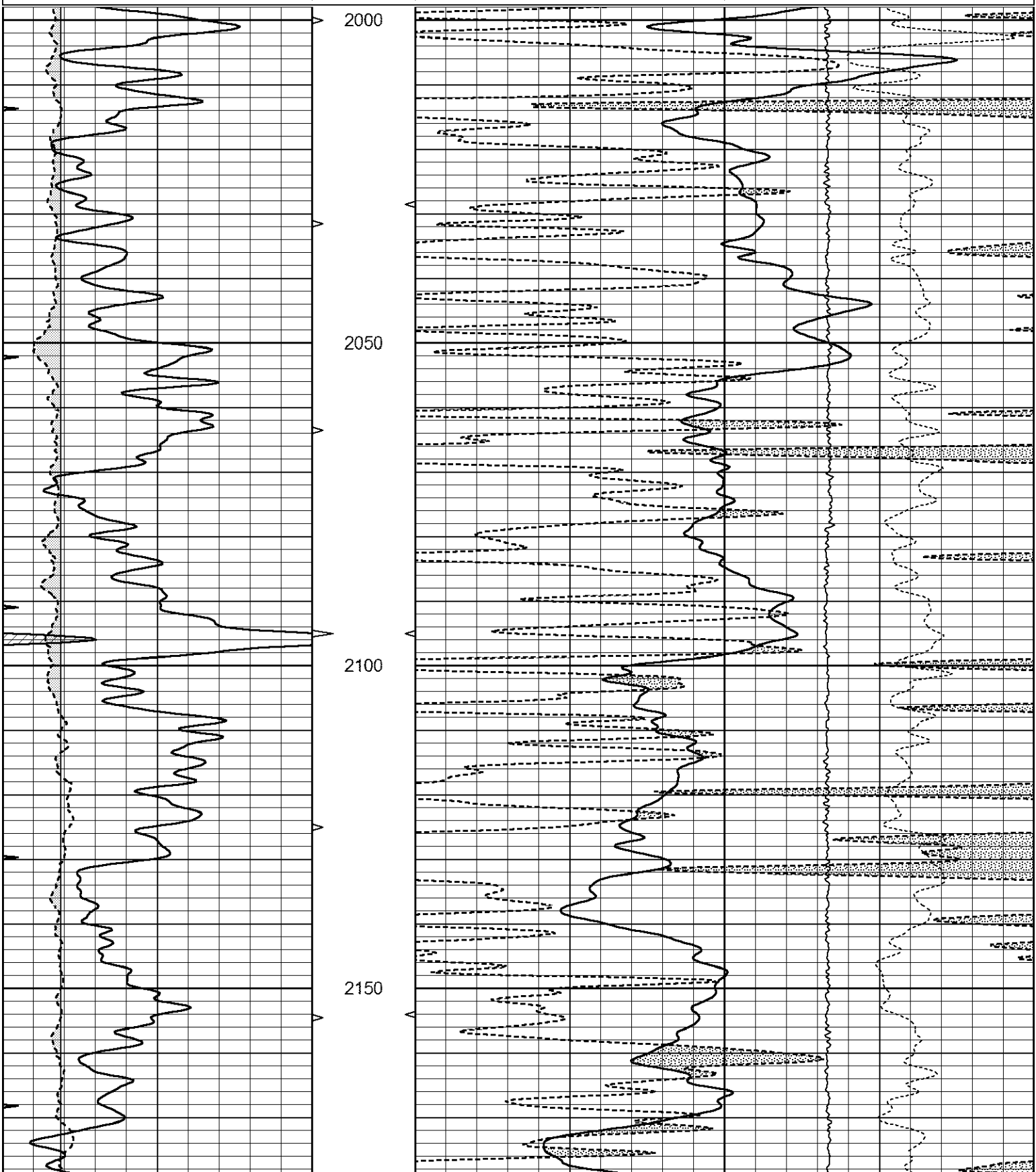
DIRECTIONS:
FROM MACKSVILLE, KANSAS GO 5 MILES NORTH, 2 3/4 MILES WEST, SOUTH INTO

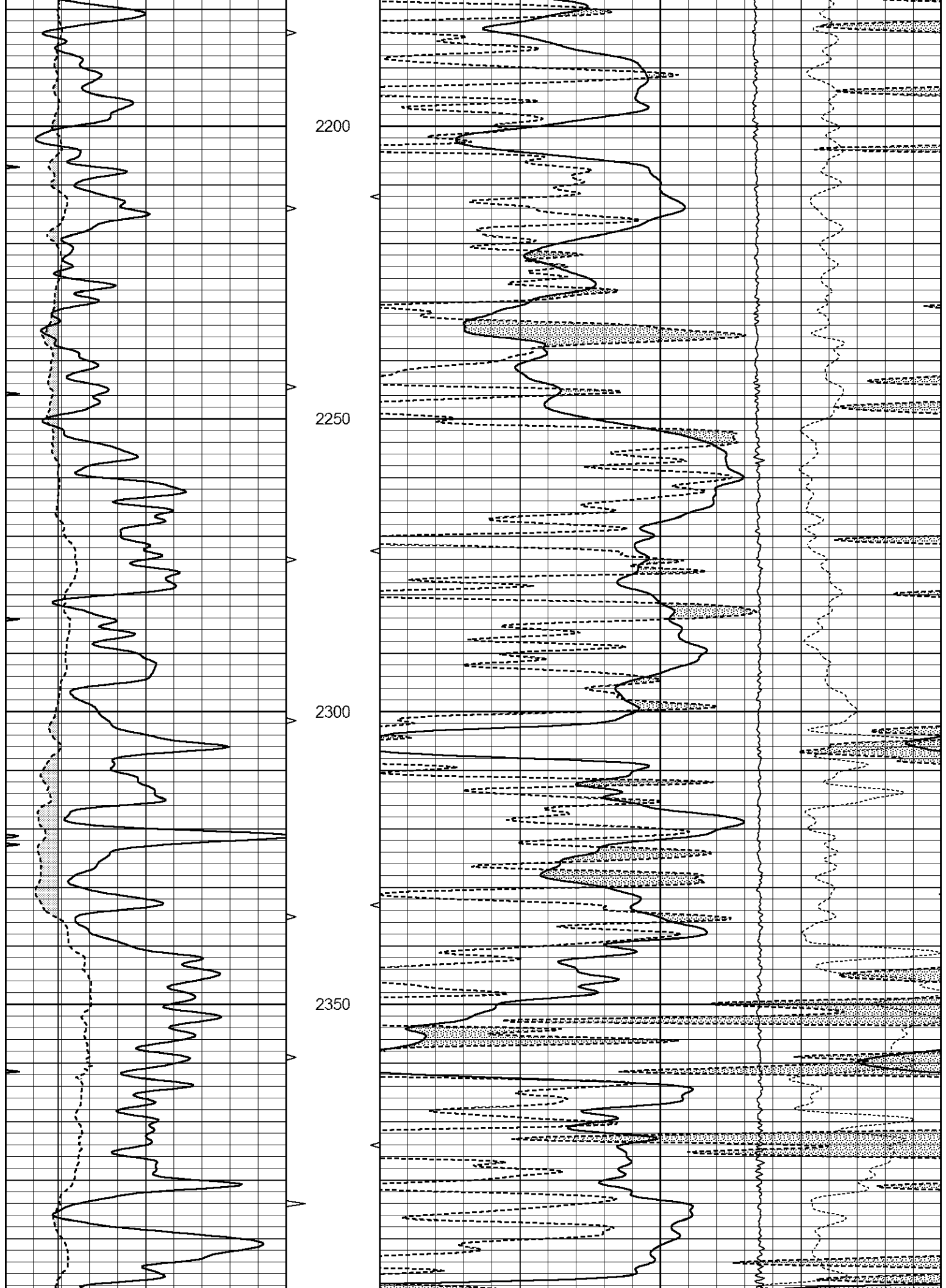


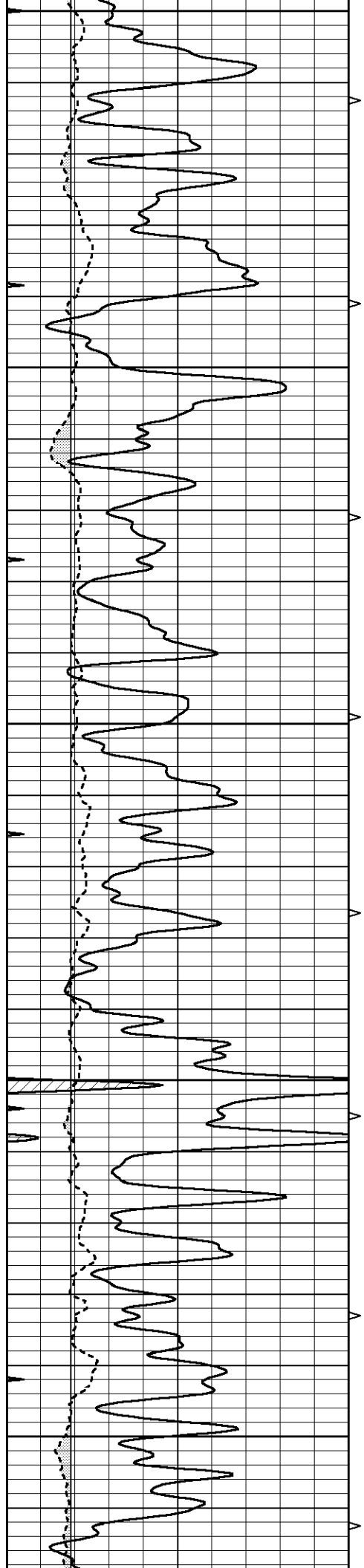
MAIN SECTION

Database File	7228ddn.db
Dataset Pathname	pass3DT
Presentation Format	_den_neu
Dataset Creation	Wed Oct 05 17:21:59 2022
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
0	MINMK	20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
6	CALIPER (in)	16	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10		0 LTEN (lb)	5000







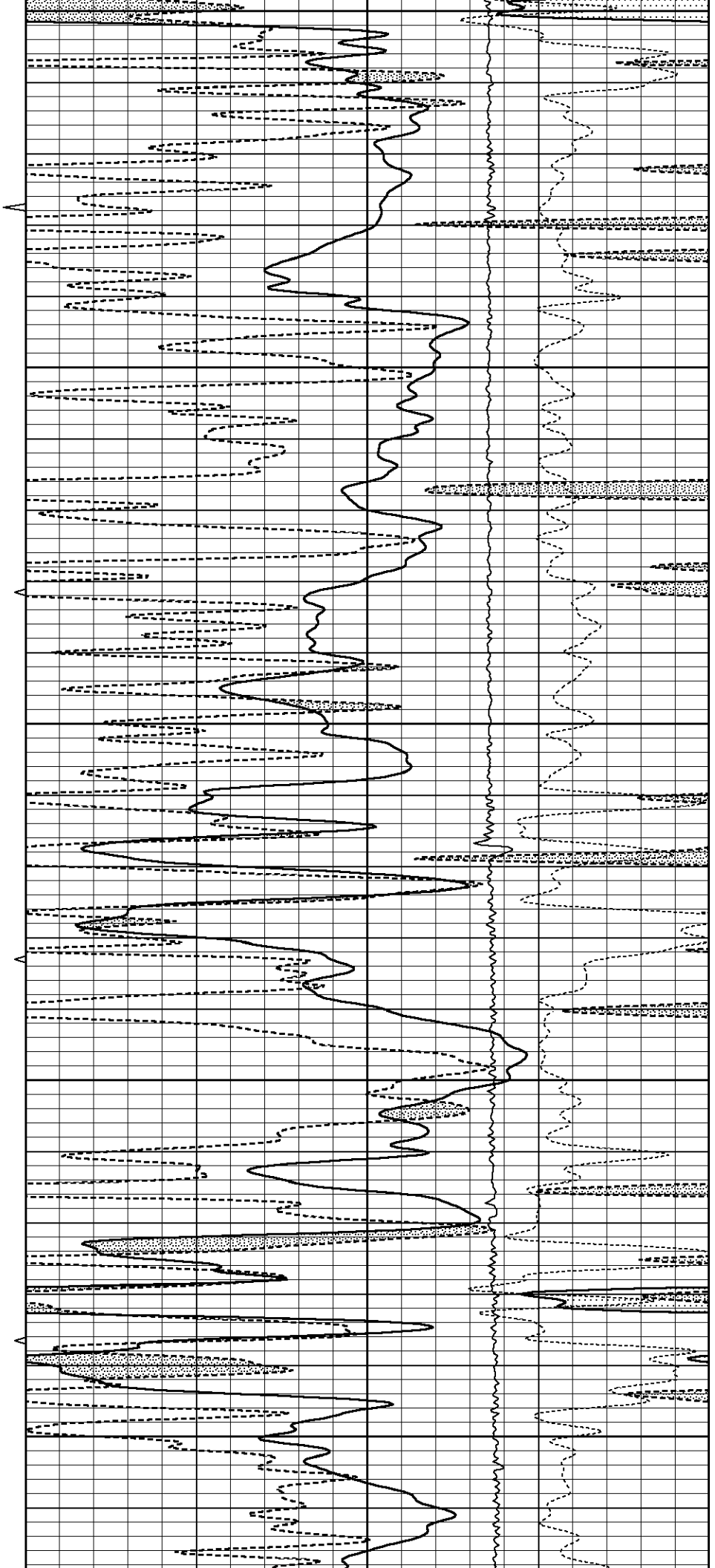
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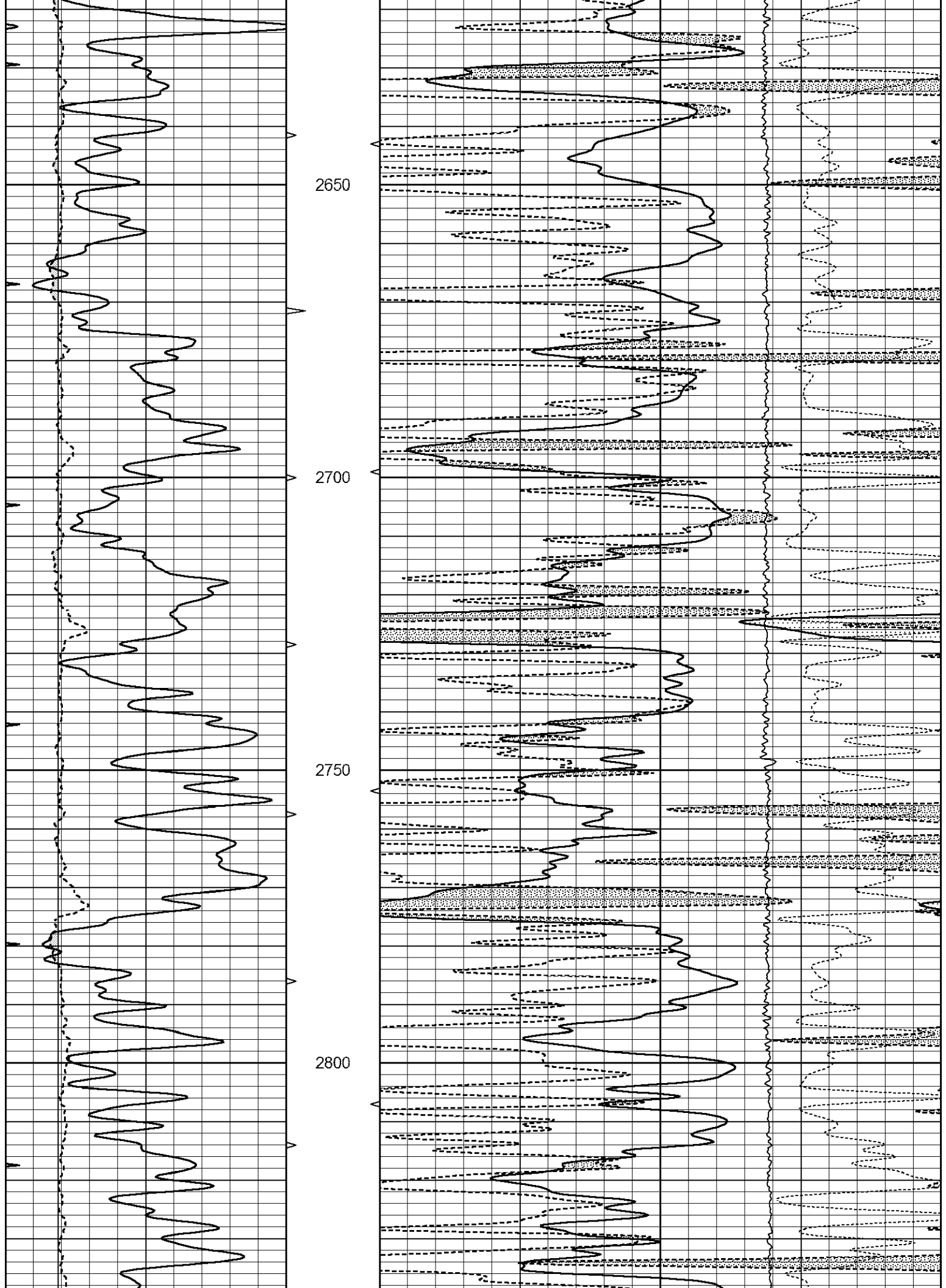
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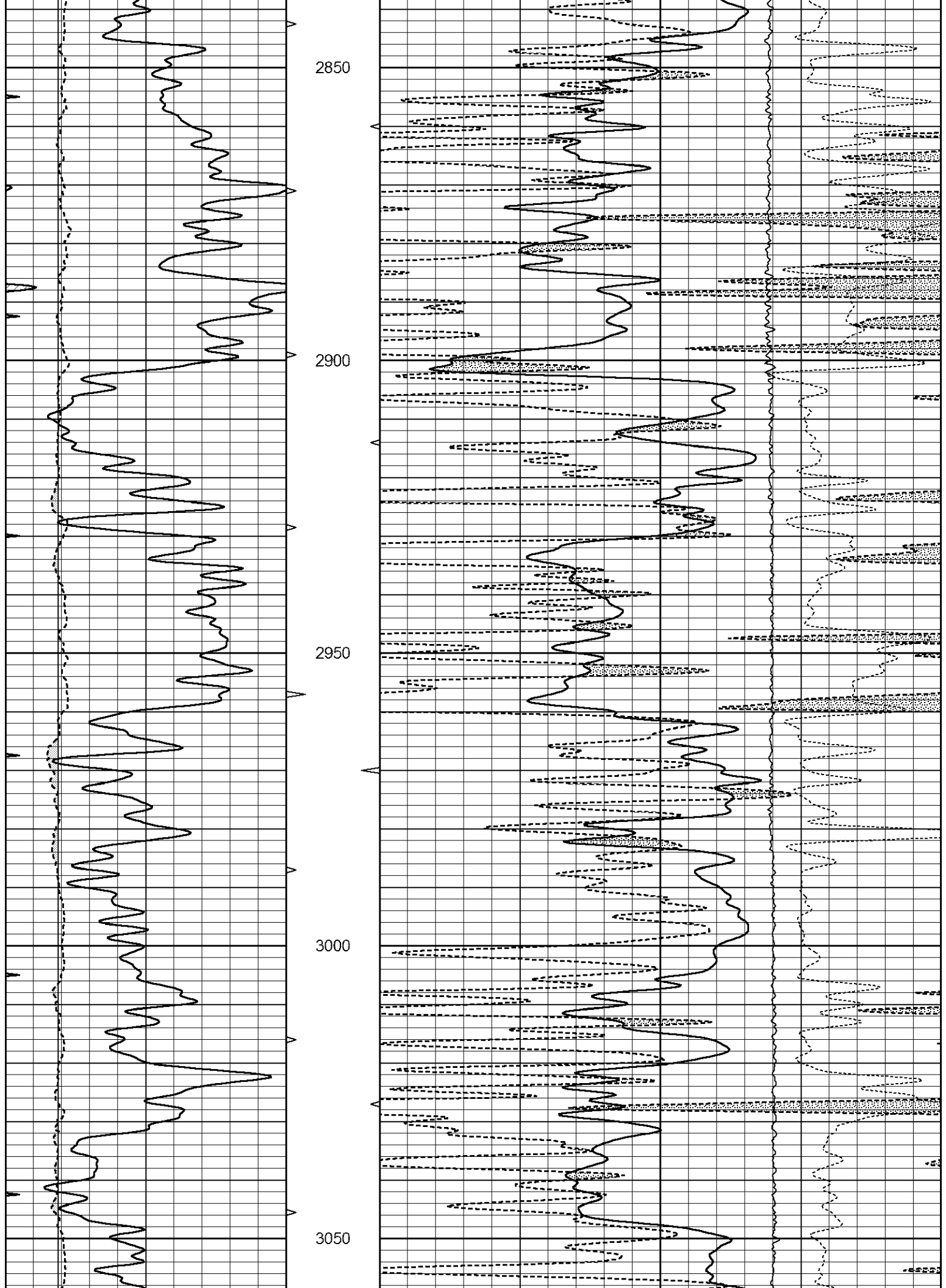
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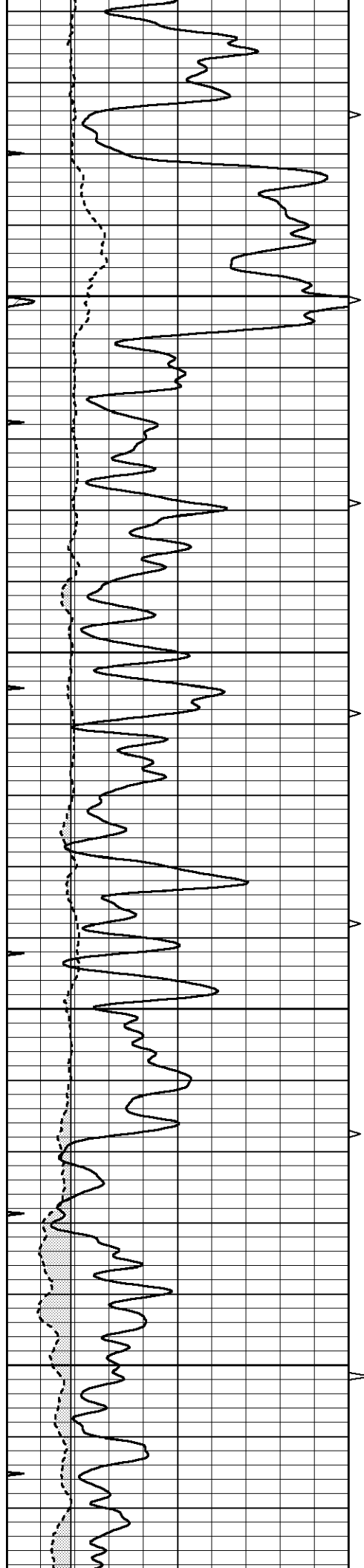
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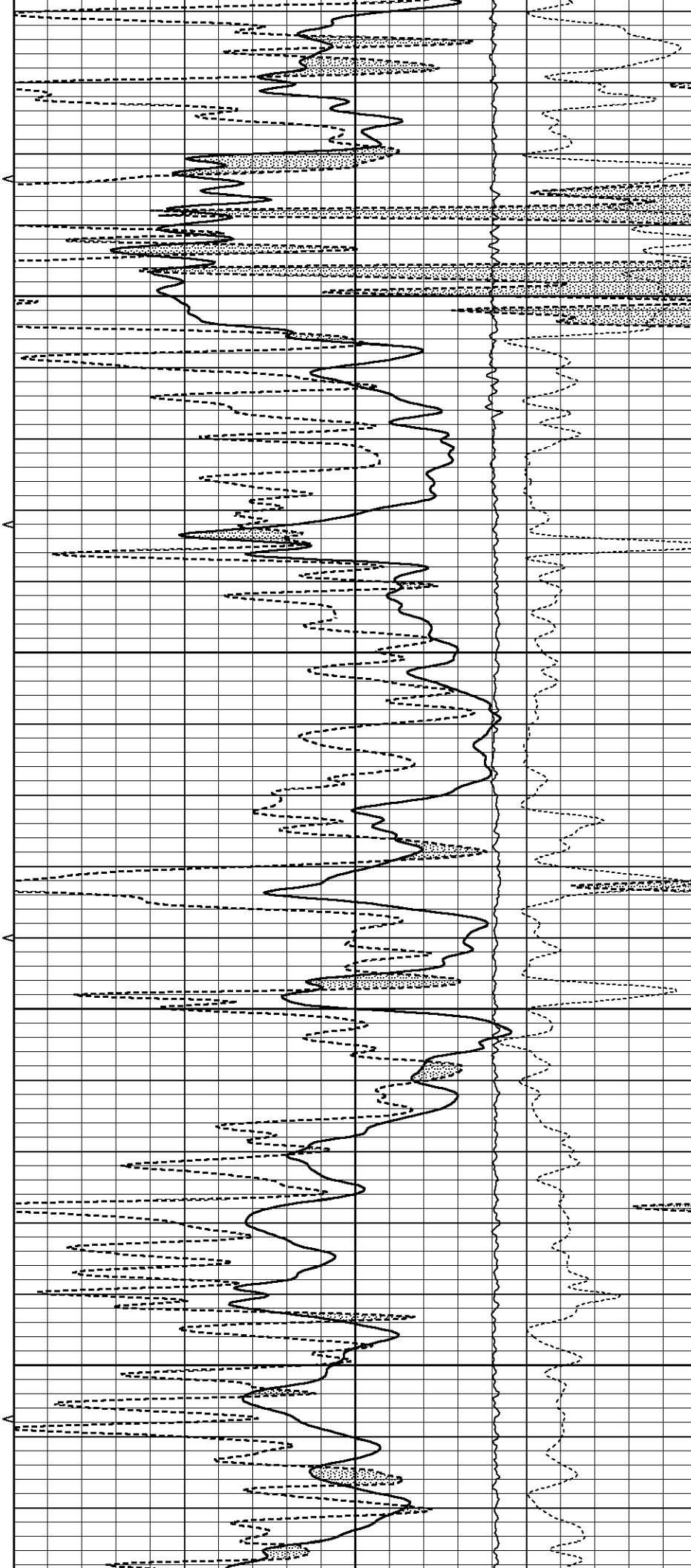


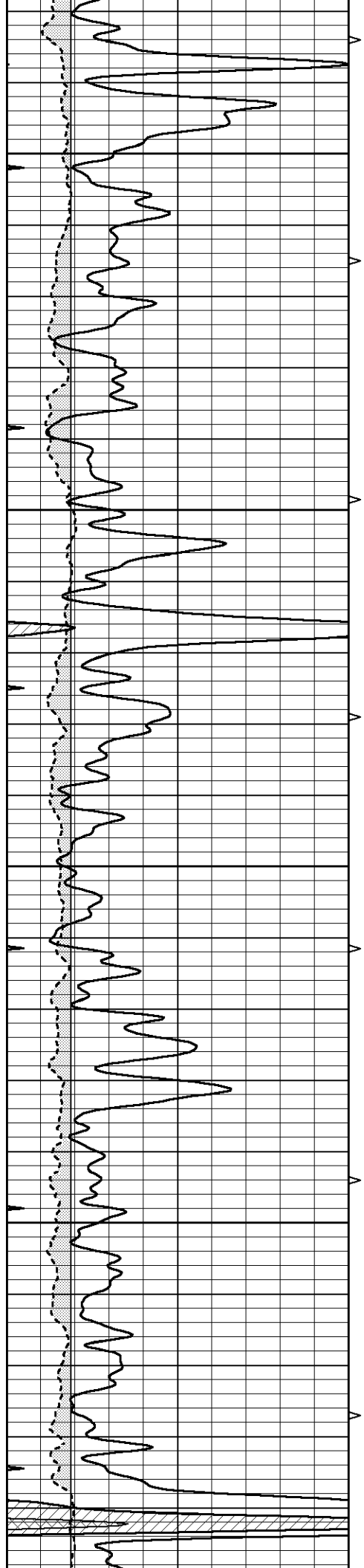
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3150

3200

3250



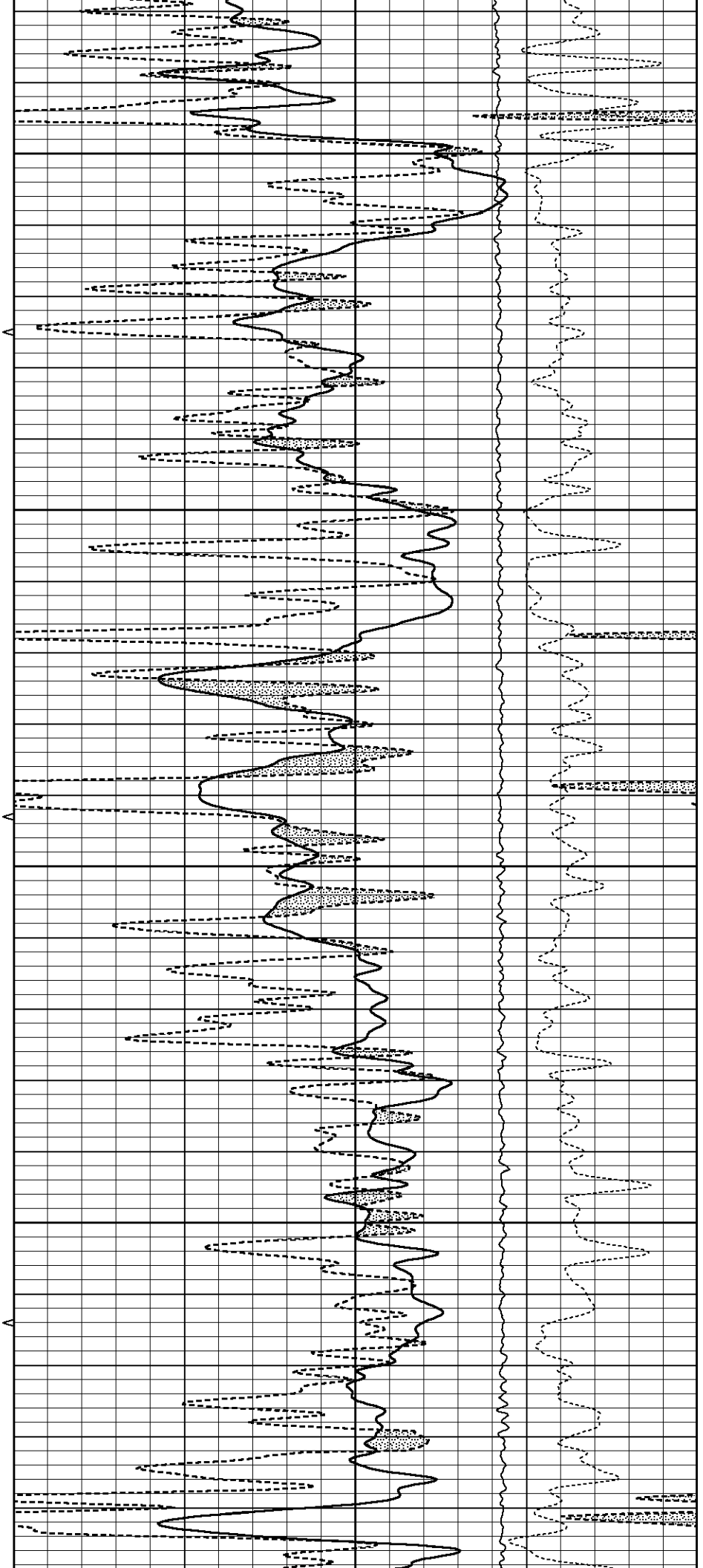


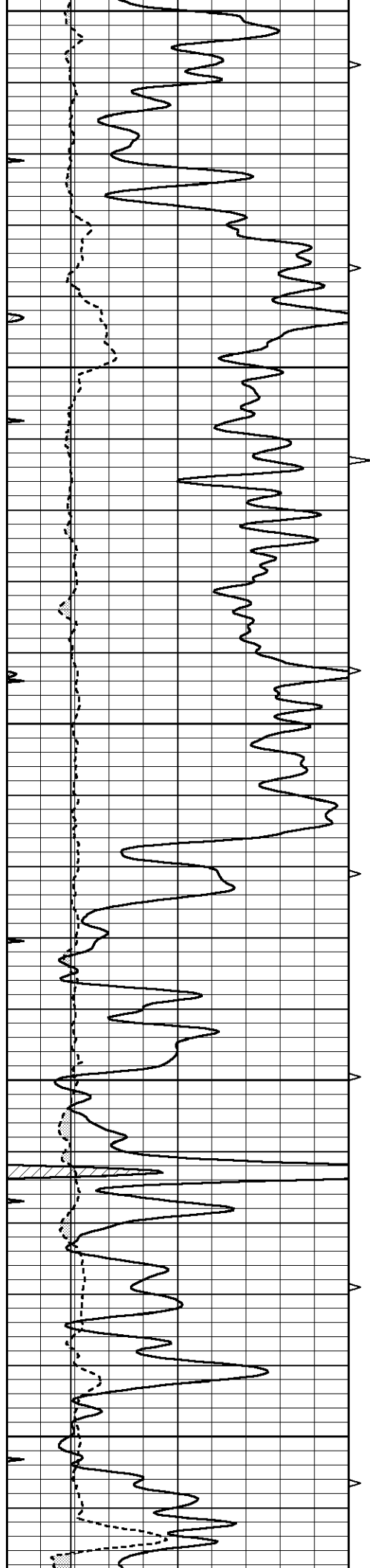
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3350

3400

3450





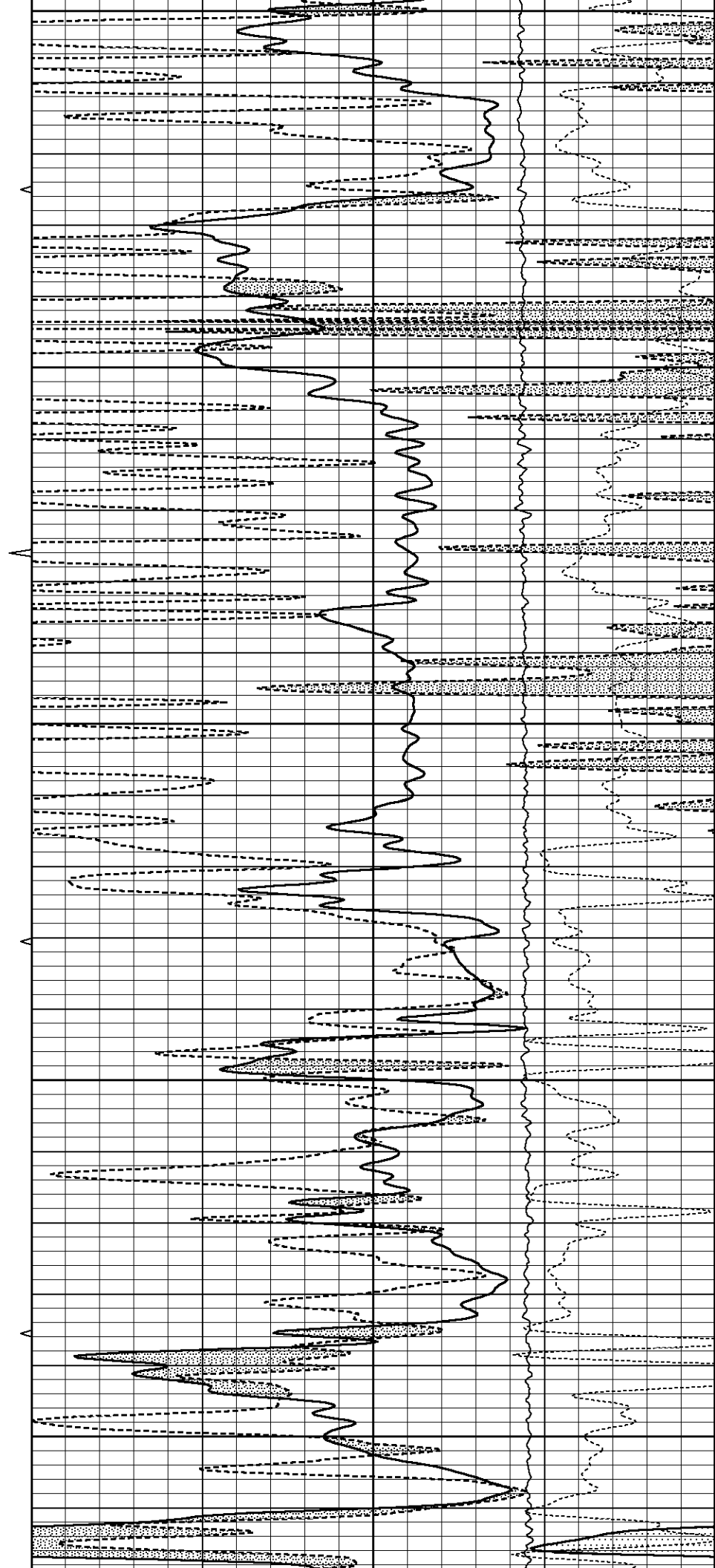
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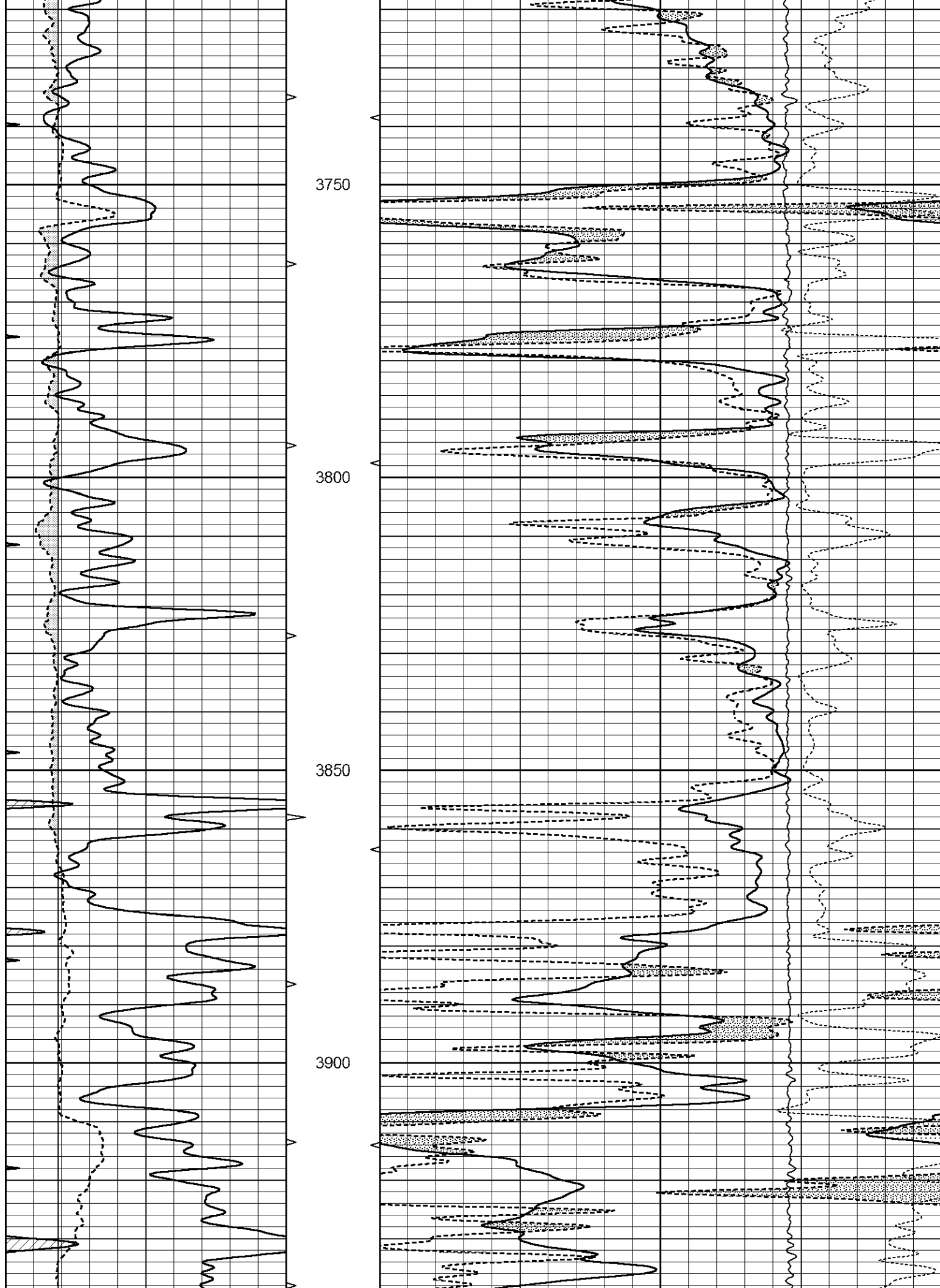
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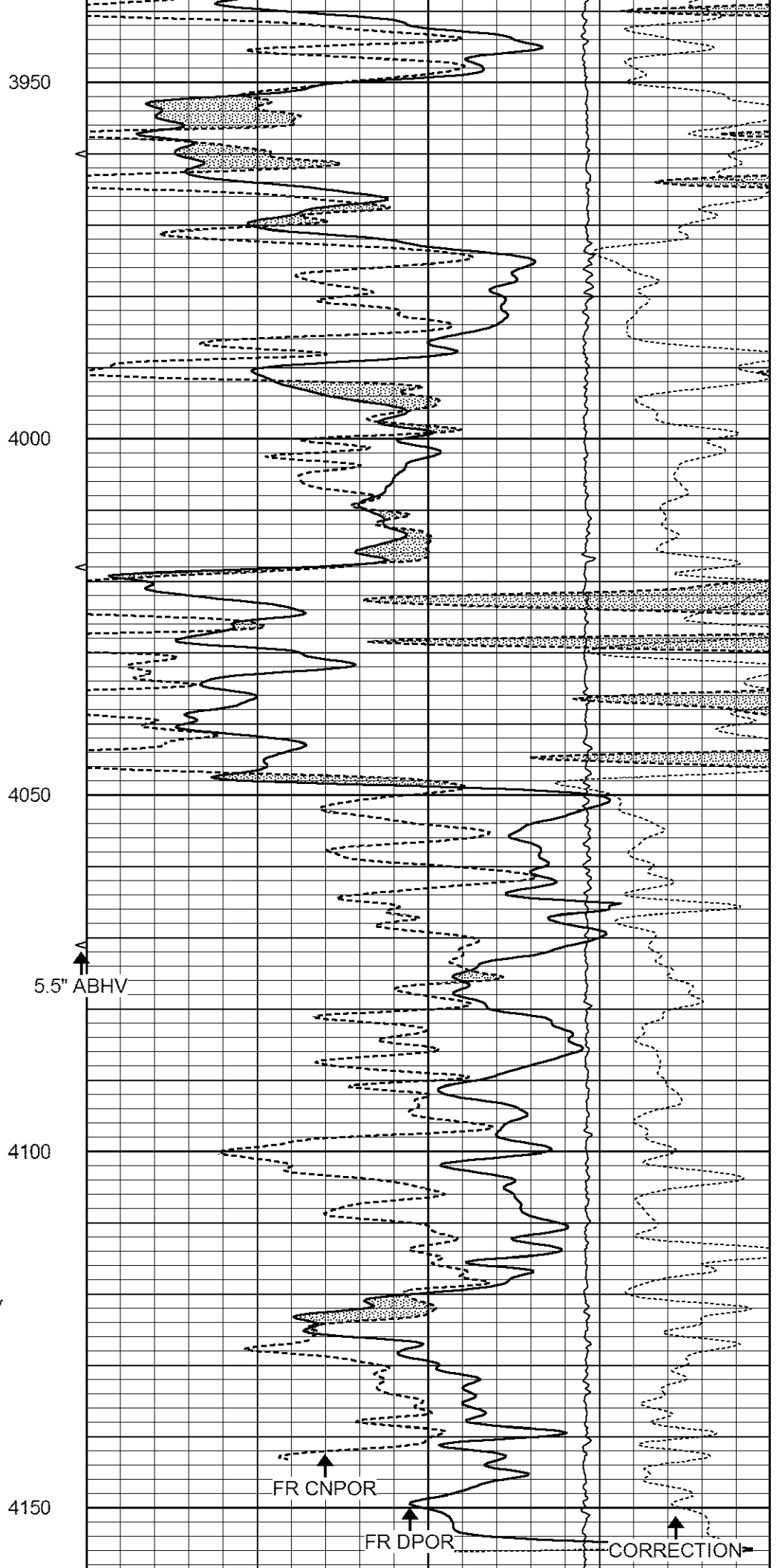
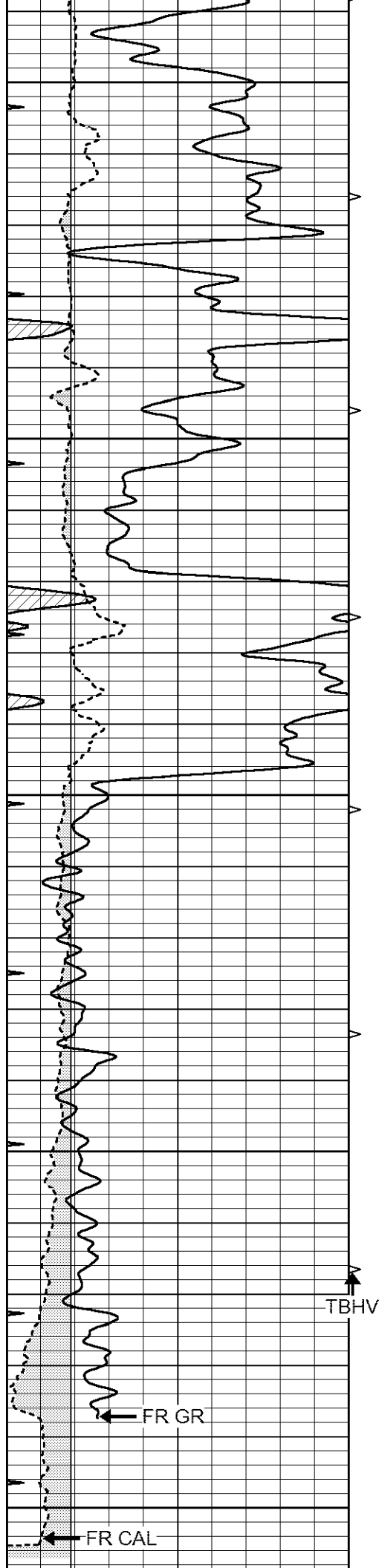
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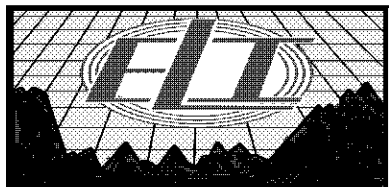
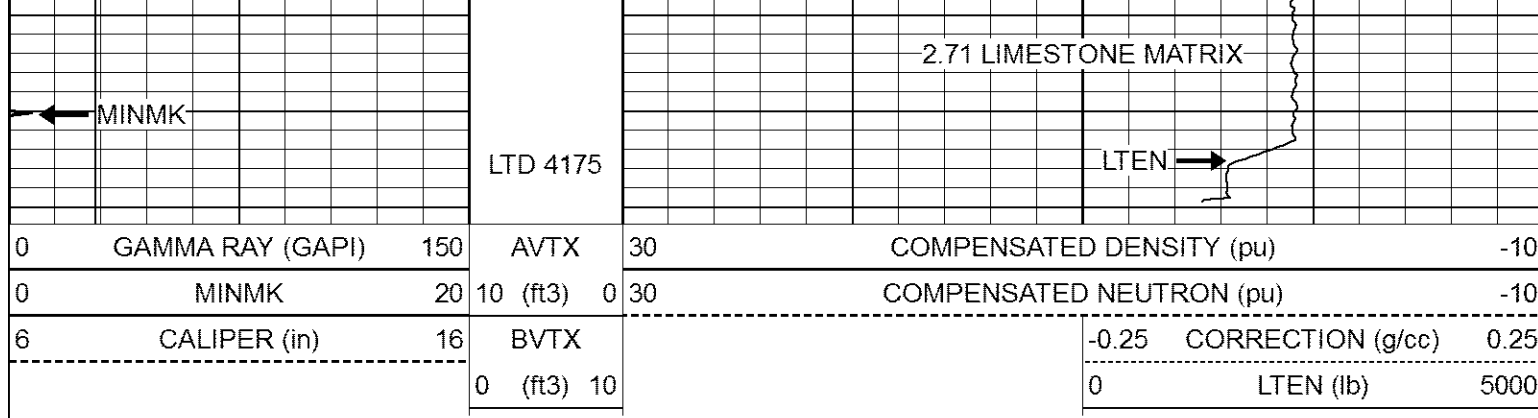
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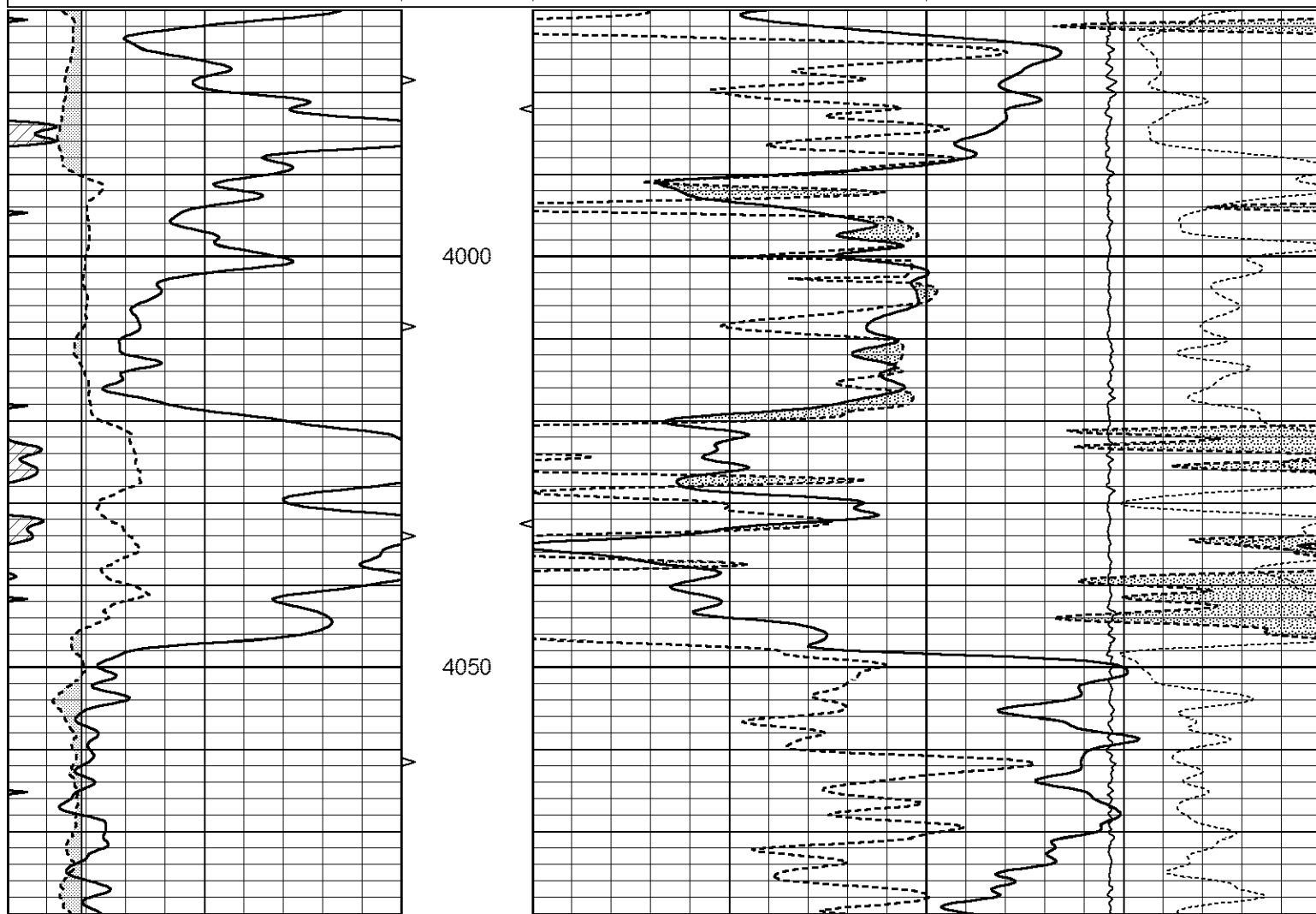
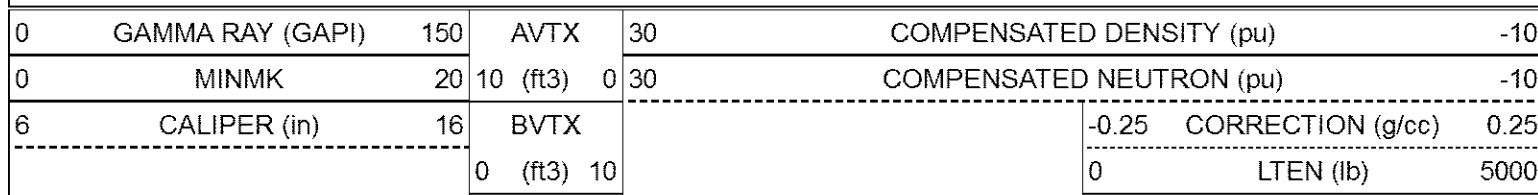


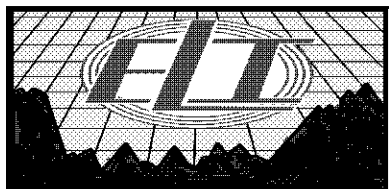
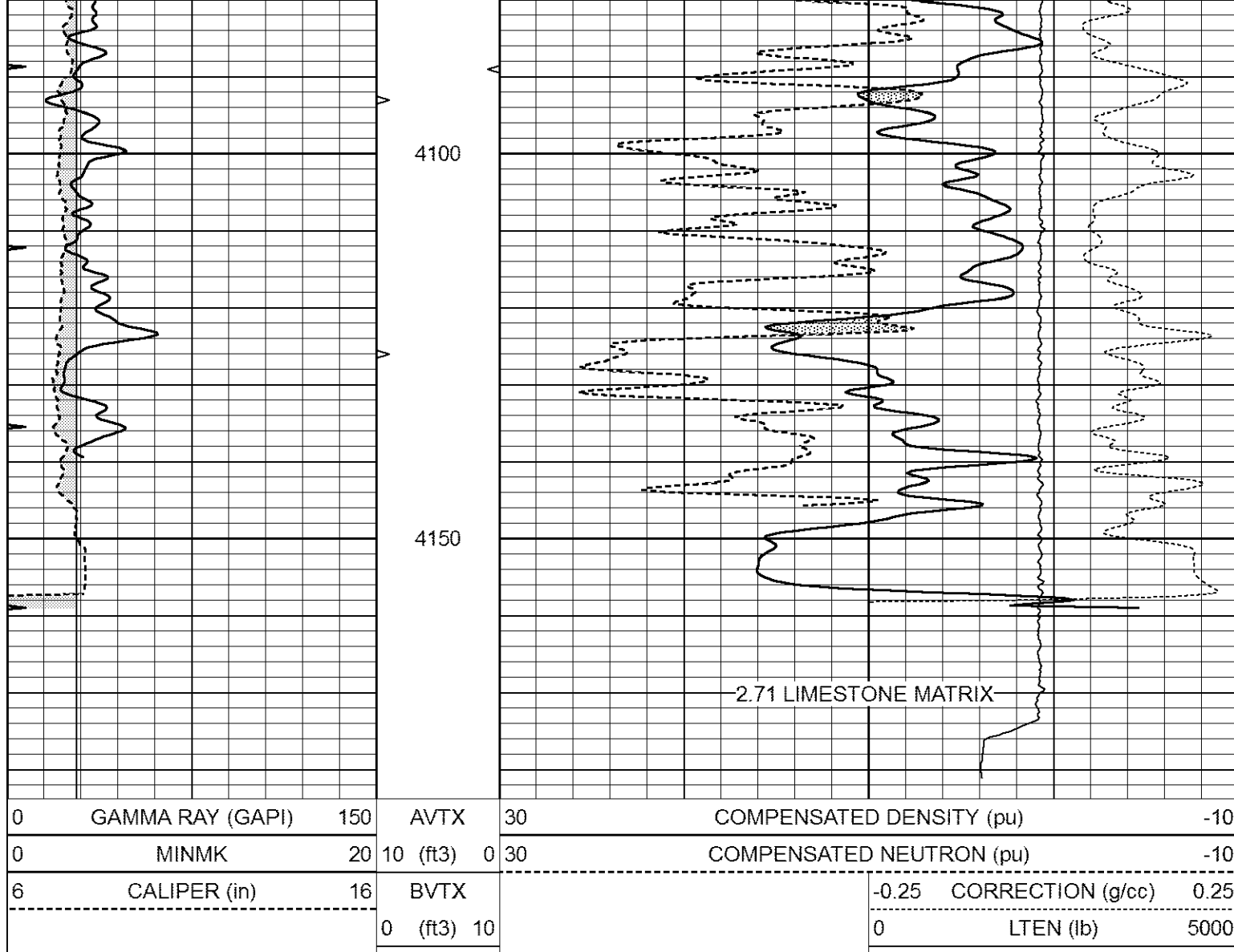




2.71 LIMESTONE REPEAT

Database File 7228ddn.db
 Dataset Pathname pass2LS
 Presentation Format _den_neu
 Dataset Creation Wed Oct 05 16:39:05 2022
 Charted by Depth in Feet scaled 1:240

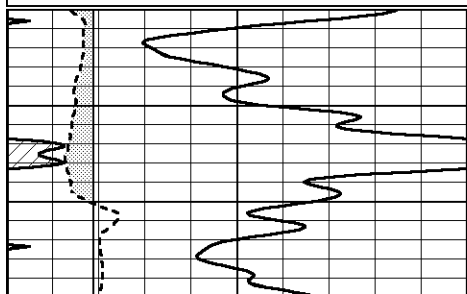




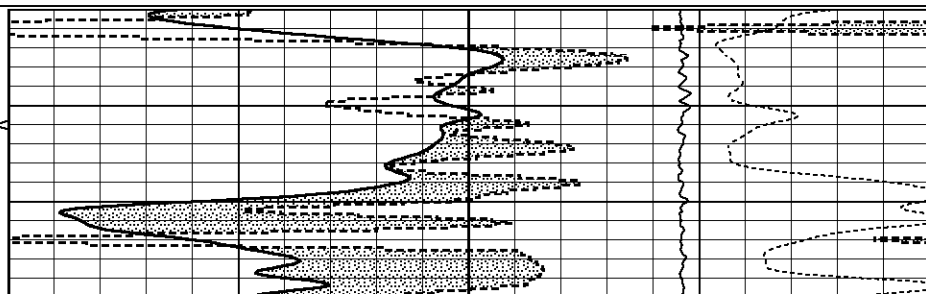
2.81 DOLOMITE REPEAT

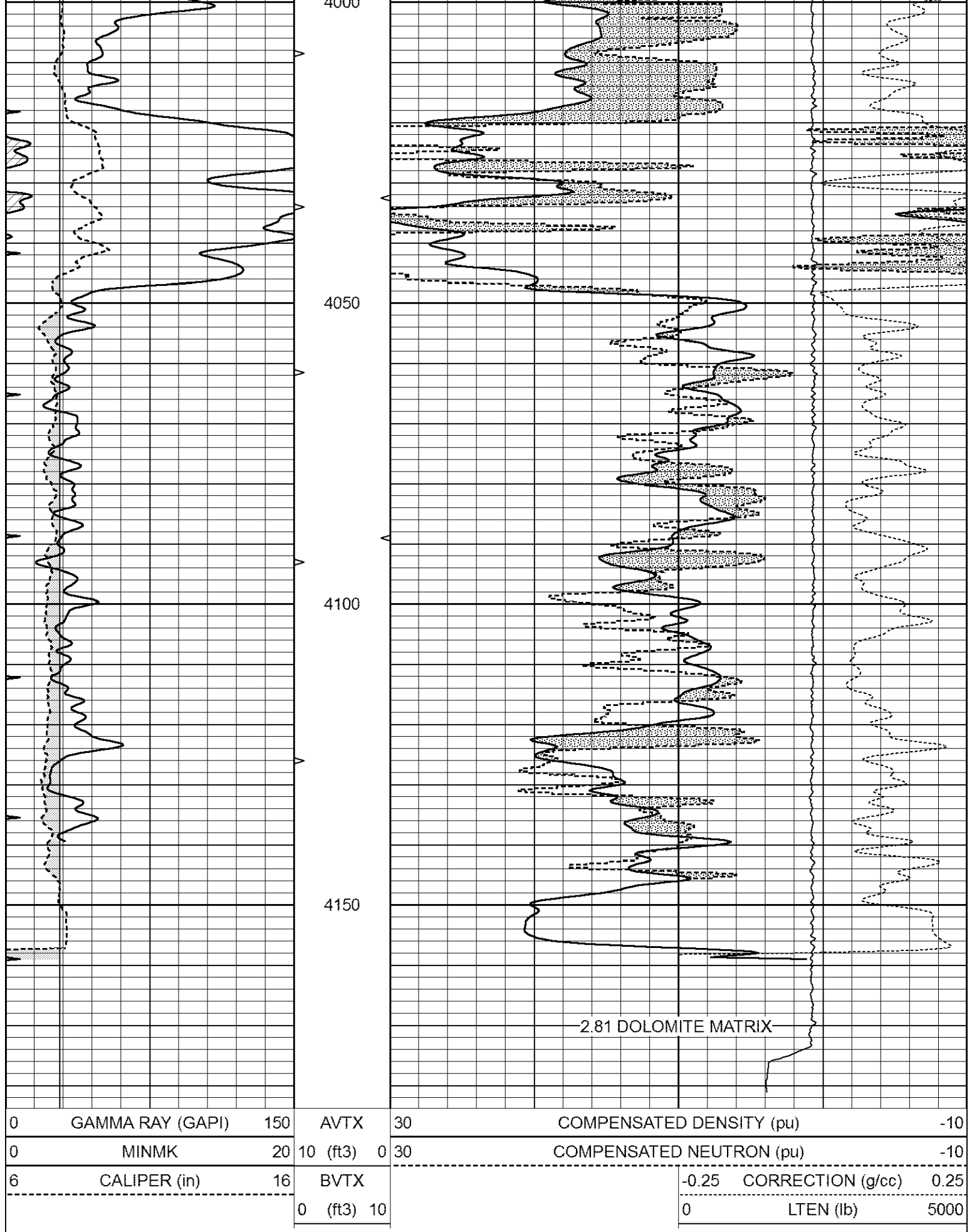
Database File 7228ddn.db
 Dataset Pathname pass2DOL
 Presentation Format _den_neu
 Dataset Creation Wed Oct 05 16:43:11 2022
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
0	MINMK	20	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
6	CALIPER (in)	16	BVTX		-0.25	CORRECTION (g/cc) 0.25
			0 (ft3)	10	0	LTEN (lb) 5000



4000





Calibration Report

Database File 7228ddn.db
Dataset Pathname pass3DT

Dual Induction Calibration Report

Serial-Model:FW1410-55-Probe

Surface Cal Performed:Thu Jun 30 01:48:00 2022

Downhole Cal Performed:Tue Feb 19 11:44:24 2019

After Survey Verification Performed:Tue Feb 19 11:44:27 2019

Surface Calibration								
Readings			References			Results		
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	710.000	-3.000
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	690.000	-10.500
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.649	V	0.000	400.000	mmho/m	623.784	-4.595
Medium	0.004	0.743	V	0.000	464.000	mmho/m	627.284	-2.251

Downhole Calibration								
Readings			References			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.824	395.917	mmho/m	-0.976	397.550	mmho/m	1.004	-0.149
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099
LL3		7.503	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.481	V		3745.000	mmho-m		

After Survey Verification								
Readings			Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Litho Density Calibration Report

Serial: 005 Model: Litho_Ver3

Master Calibration					Performed Fri May 13 13:54:33 2022			
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	1363.1	46477.8	11515.9	9589.9			cps	
Window 2	1239.4	36488.4	9270.1	7998.9			cps	
Window 3	1044.3	20488.1	5500.7	4913.3			cps	
Window 4	315.7	358.7	321.5	319.5			cps	
Long Space	0.0	35249.0	8030.7	6759.4			cps	
Short Space	1.4	9675.7	6523.4	5391.9			cps	
Rho		1.7100	2.5900	0.0000			g/cc	
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 45.1	Rib Slope	: 1.003	Density/Spine Ratio			: 0.575	
Spine Angle	: 75.1	Spine Slope	: 3.752	Spine Intercept			: -24.0	

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	

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Compensated Neutron Calibration Report

Serial Number:	080621PMC
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:	7	
Tool Model:	Probe1	
Performed:	Thu May 26 08:56:46 2022	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5500	GAPI/cps