

COMPENSATED DENSITY / NEUTRON PE LOG

Company EAGLE CREEK CORPORATION
Well CAMPBELL #1-2
Field WILDCAT
County FINNEY State KANSAS

Location: API # : 15-055-22536-0000
2305' FSL & 2250' FWL
SW - NE - NE - SW
SEC 2 TWP 21S RGE 34W
Permanent Datum GROUND LEVEL Elevation 2961
Log Measured From KELLY BUSHING 11' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
DIL/ME
SONIC
Elevation
K.B. 2972
D.F. 2970
G.L. 2961

Date	9/13/20		
Run Number	ONE		
Depth Driller	4885		
Depth Logger	4887		
Bottom Logged Interval	4863		
Top Log Interval	3300		
Casing Driller	8 5/8"@268'		
Casing Logger	268		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,400 PPM	
Density / Viscosity	9.1/53		
pH / Fluid Loss	10.5/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.820@80F		
Rmf @ Meas. Temp	.615@80F		
Rmc @ Meas. Temp	.984@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.529@124F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	7:15 A.M.		
Maximum Recorded Temperature	124F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	TIM PIERCE		

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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

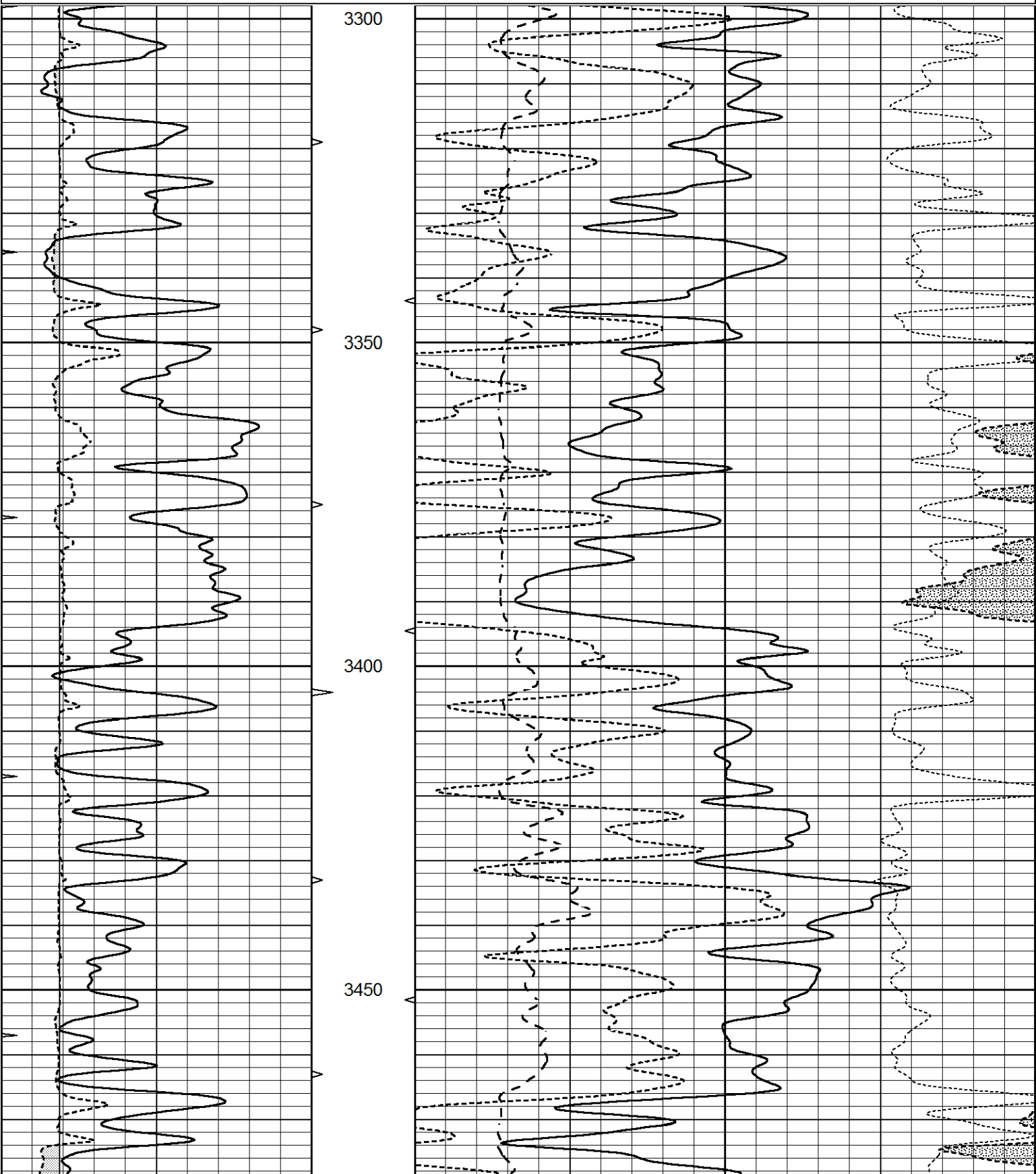
THANK YOU FOR USING E.L.I. WIRELINE SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
SCOTT CITY, KS., 13S. ON HWY 83 TO (SCOTT/FINNEY COUNTY LINE) 7 1/2 W., 1/2S., E. INTO

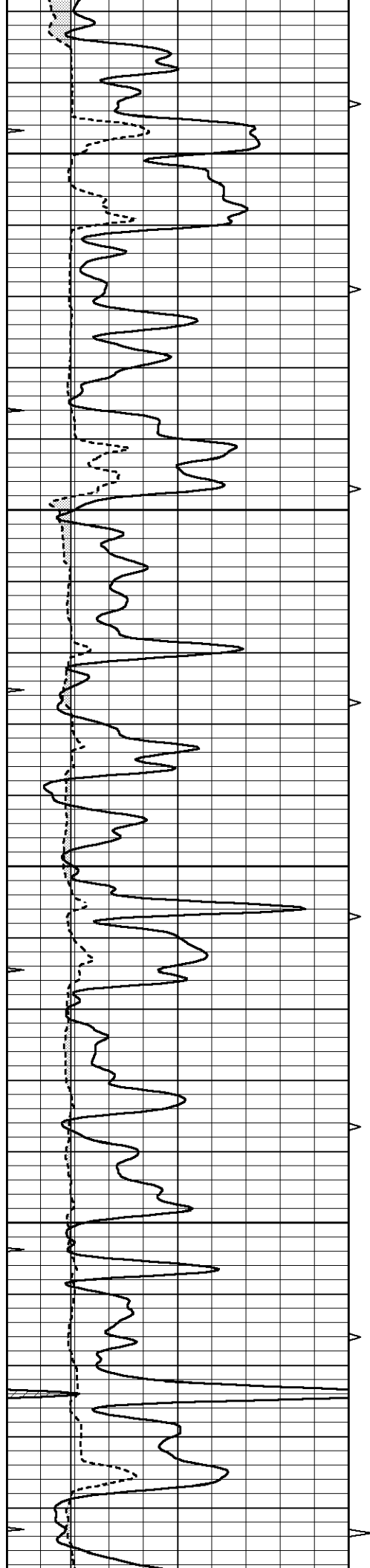


MAIN SECTION

Database File	4810pe.db
Dataset Pathname	pass3.6
Presentation Format	ldt_neu
Dataset Creation	Sun Sep 13 08:44:04 2020
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	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3)	10		



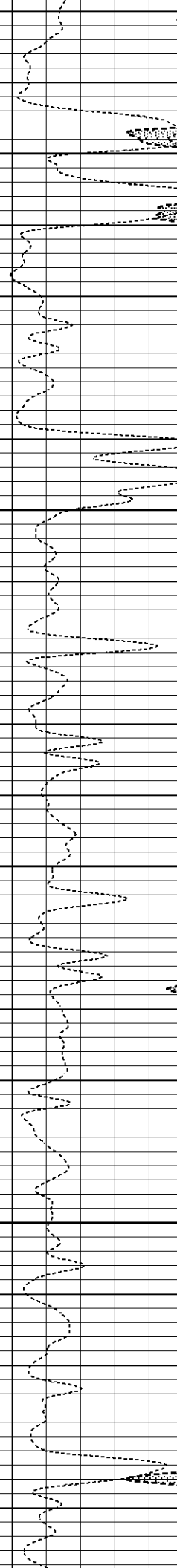
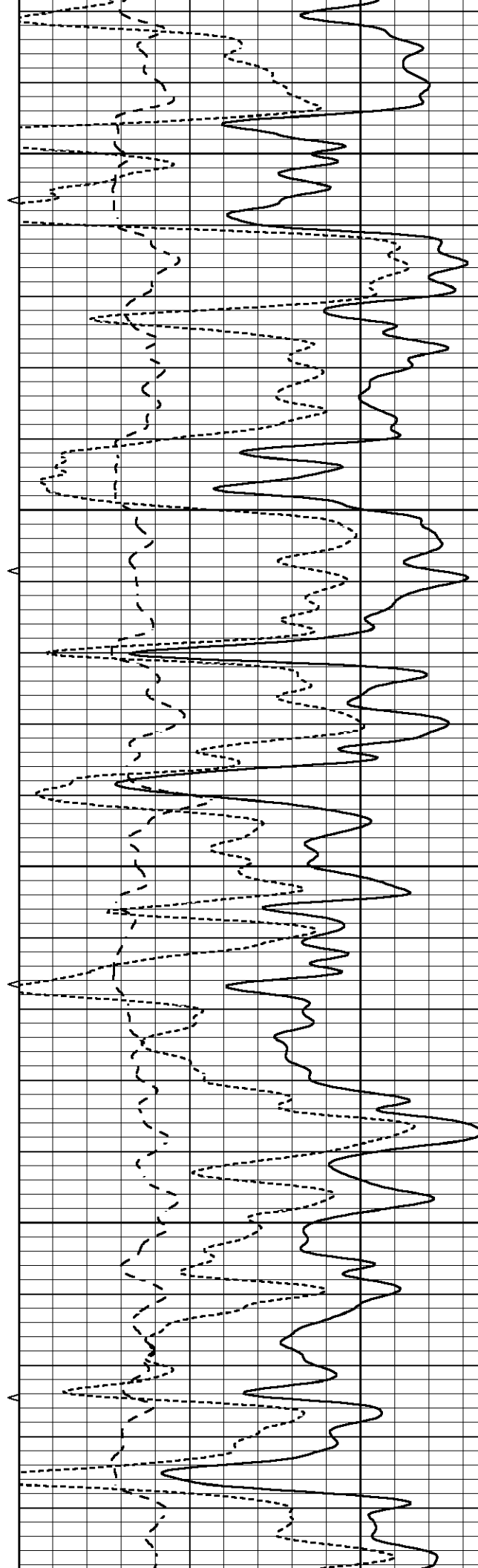


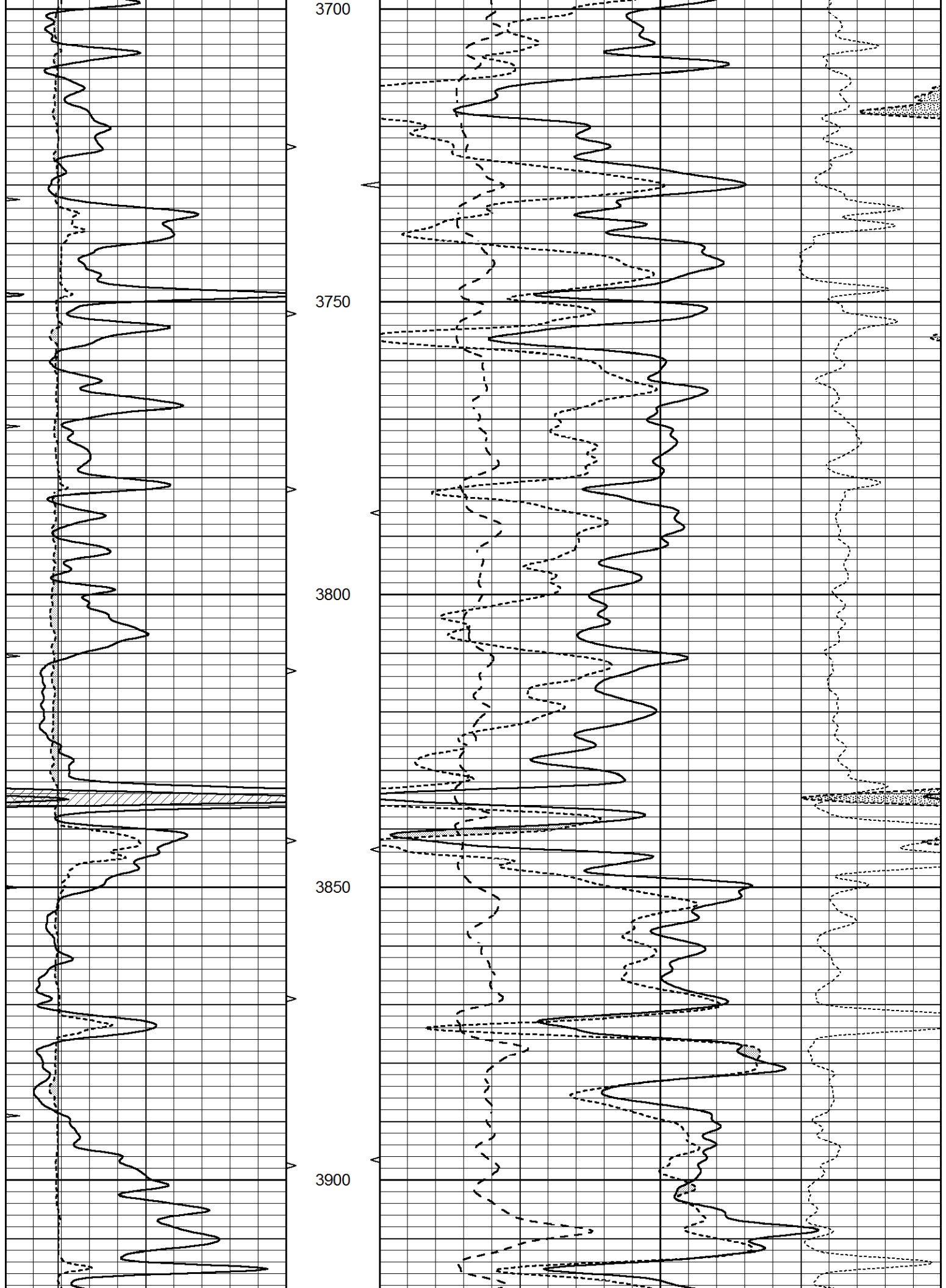
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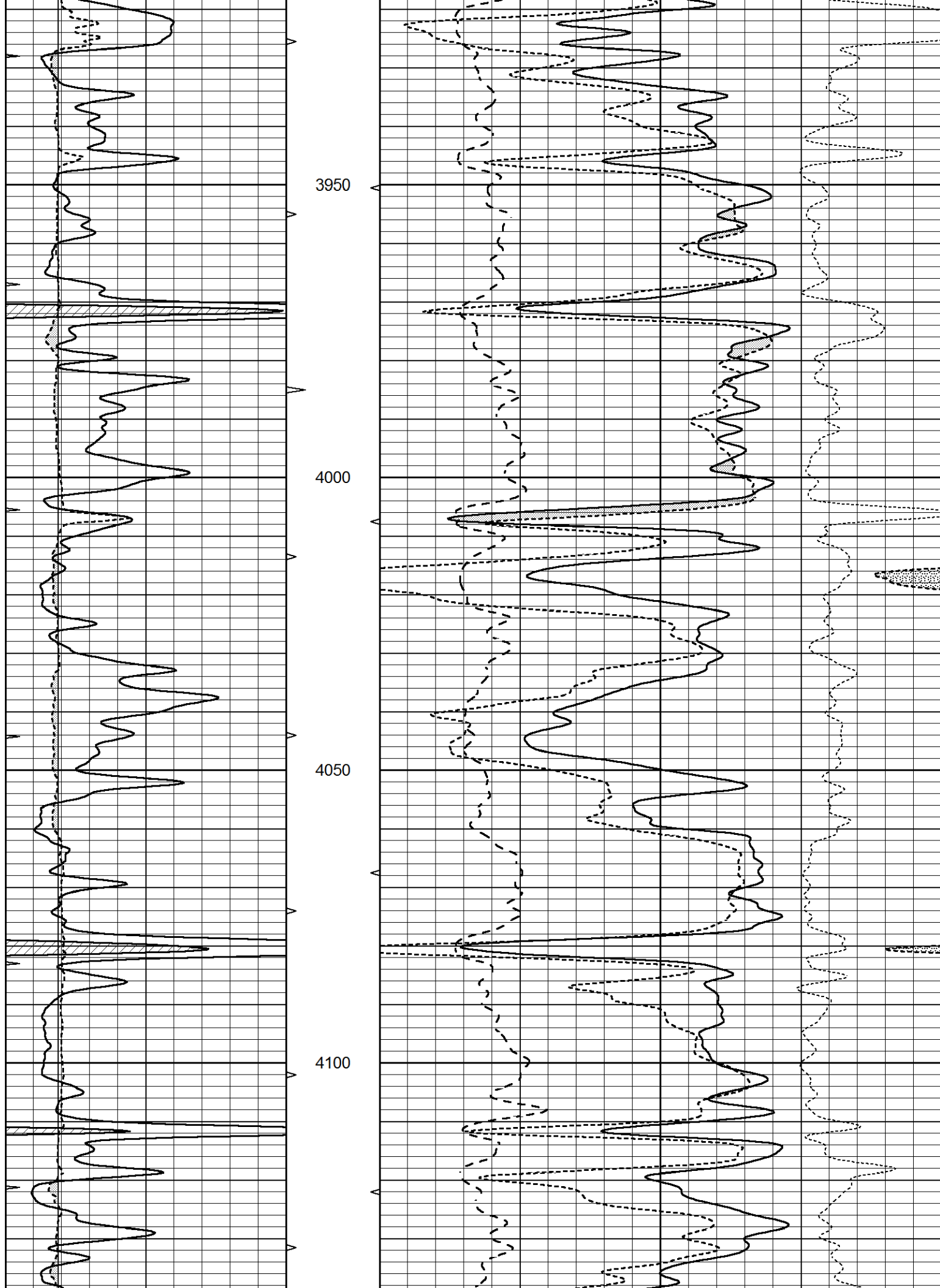
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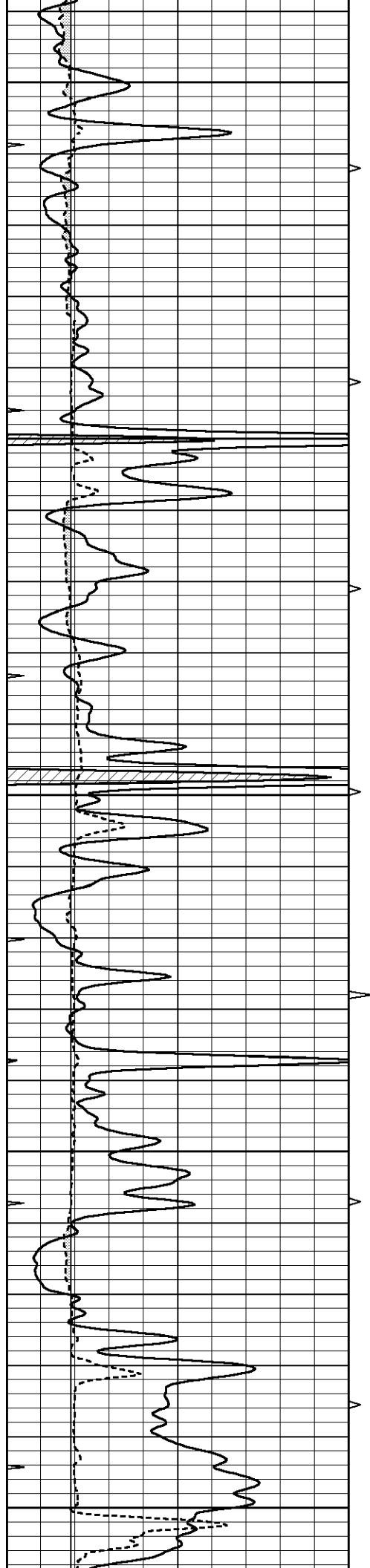
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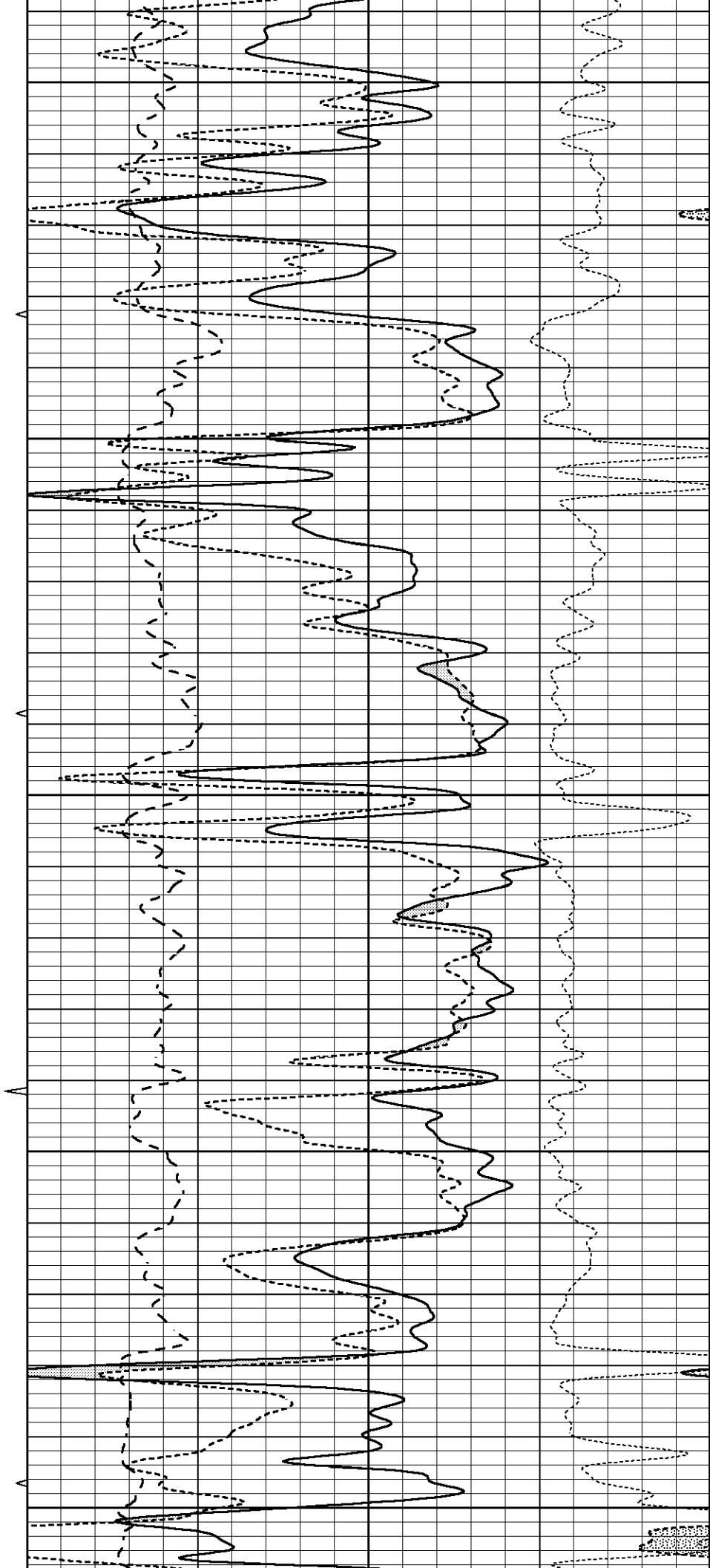
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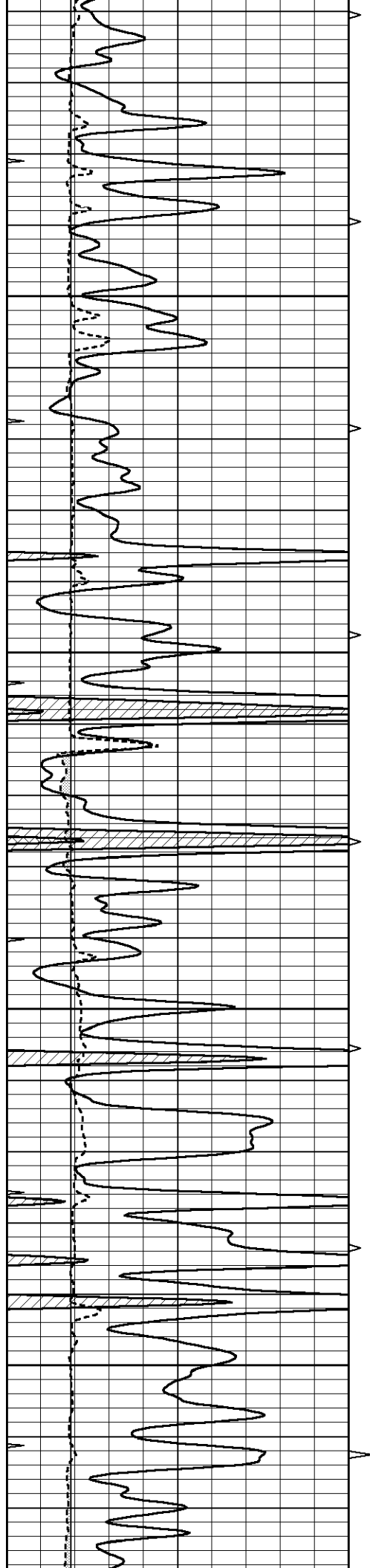
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4300

4350



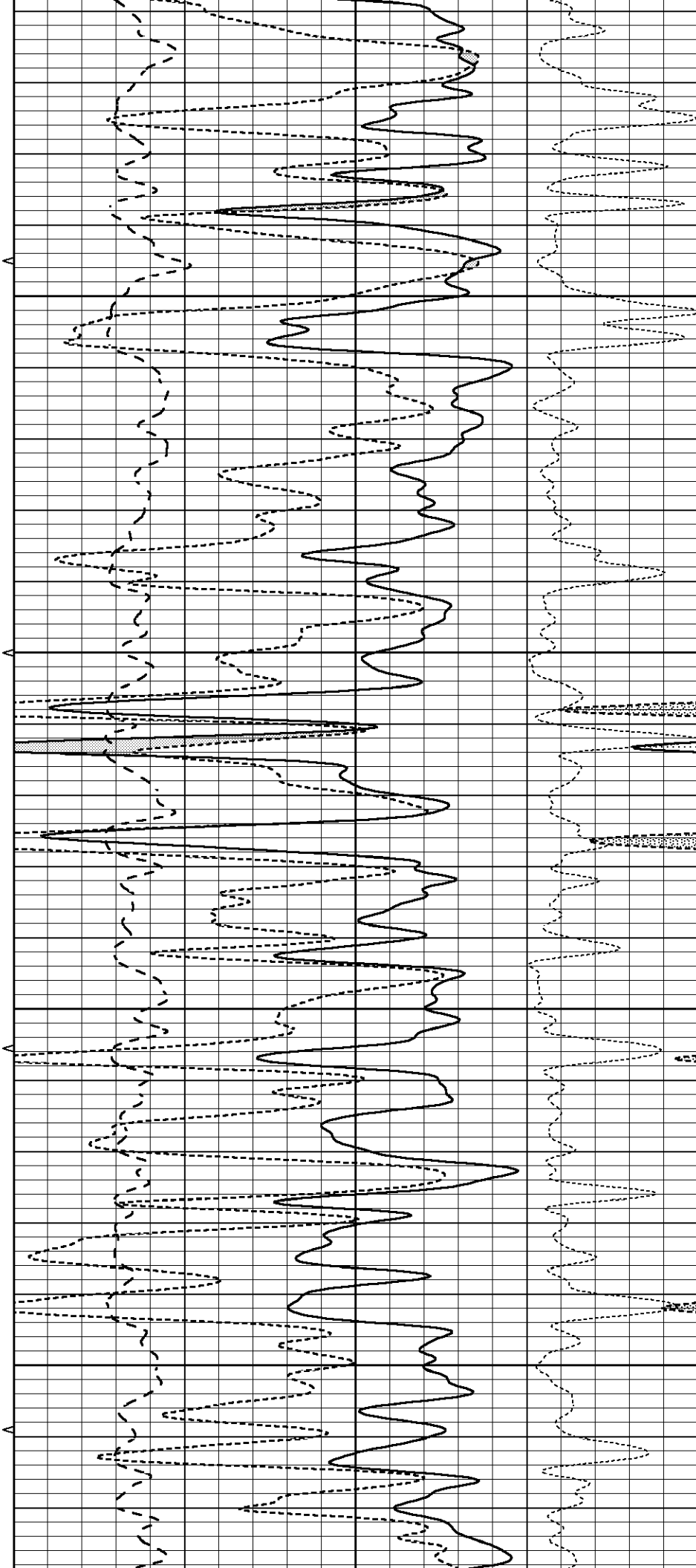


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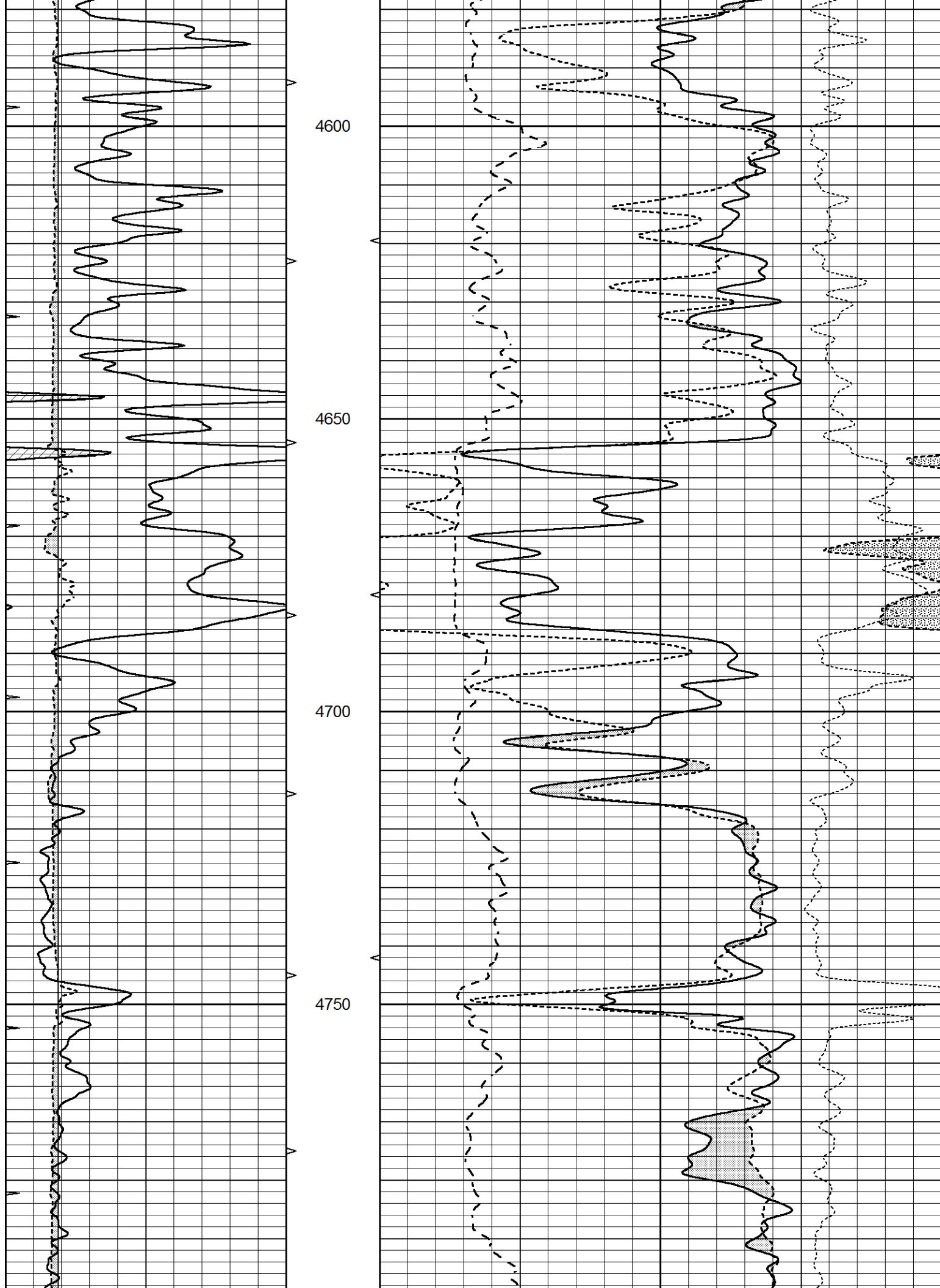
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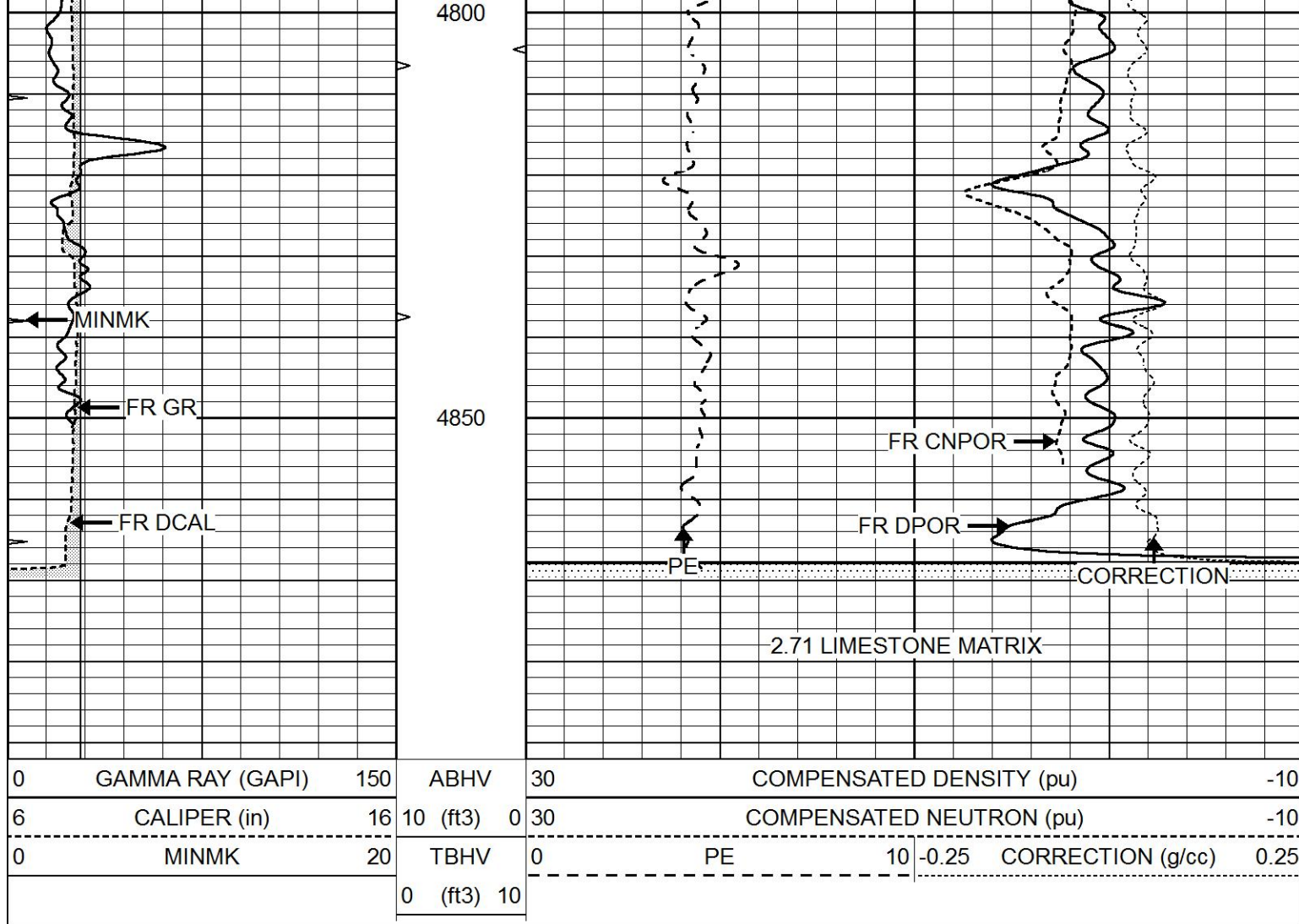
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4.5

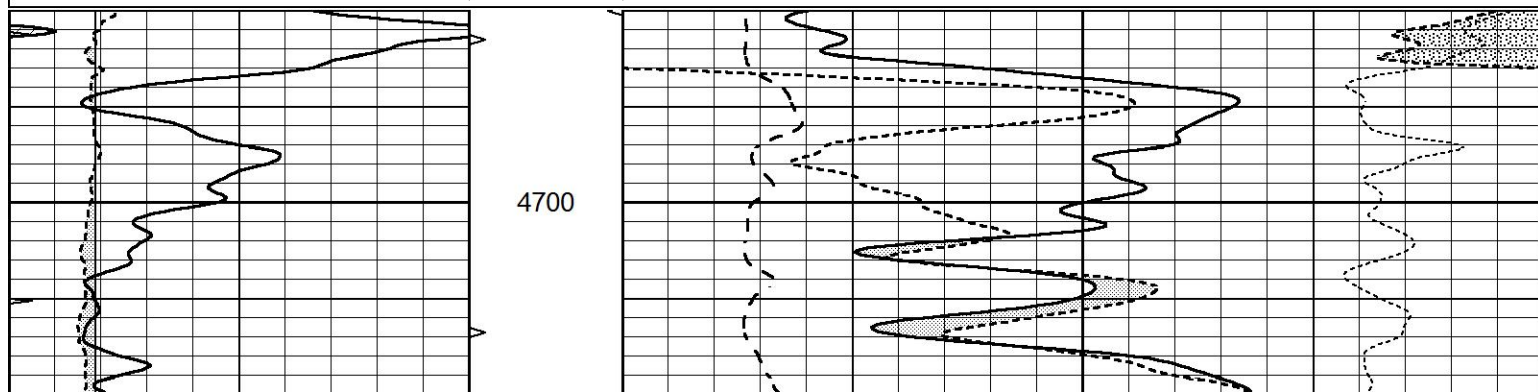


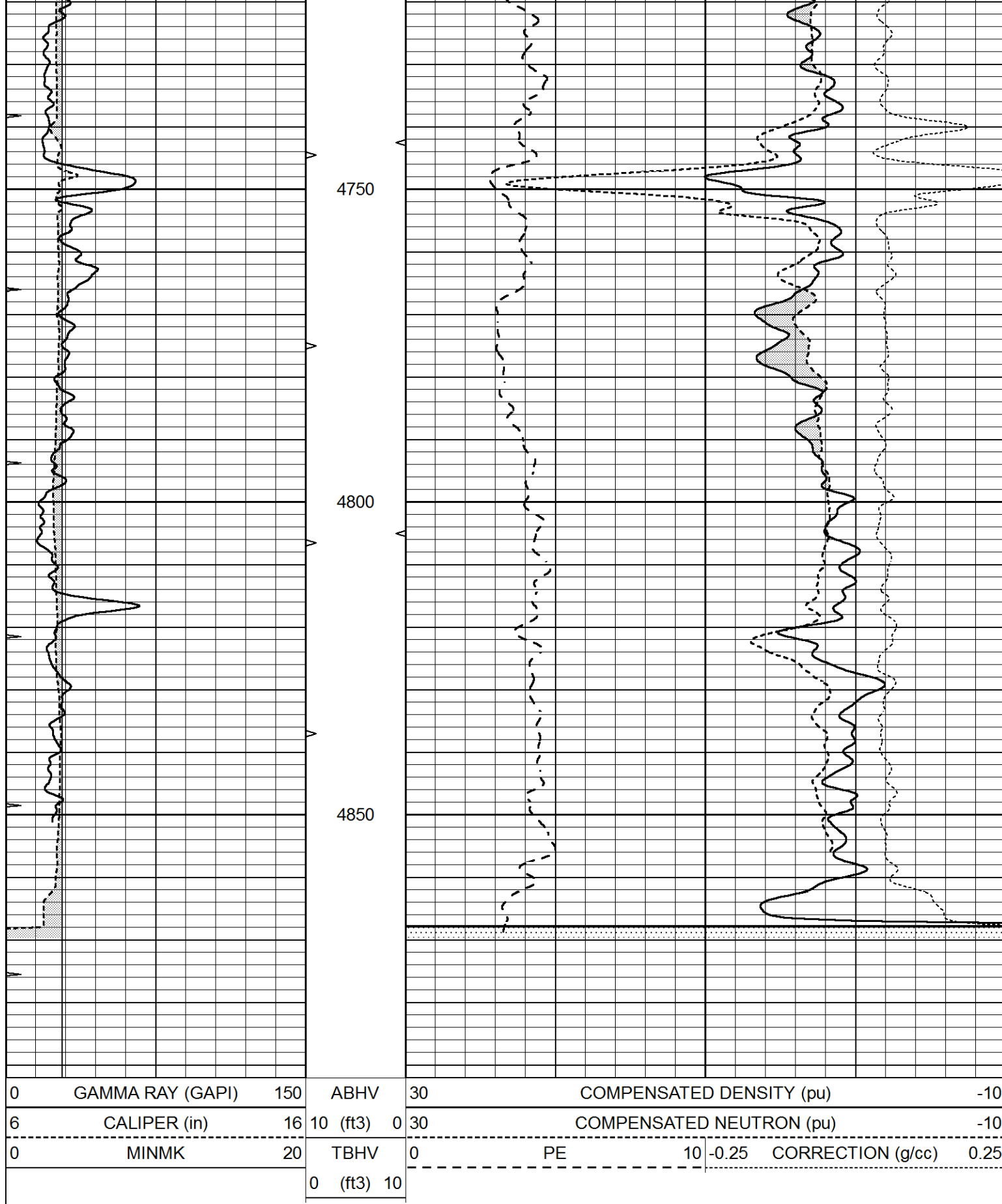


REPEAT SECTION

Database File 4810pe.db
 Dataset Pathname pass2.9
 Presentation Format ldt_neu
 Dataset Creation Sun Sep 13 08:33:53 2020
 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 4810pe.db
 Dataset Pathname pass3.6
 Dataset Creation Sun Sep 13 08:44:04 2020

Serial-Model:
Surface Cal Performed:
Downhole Cal Performed:
After Survey Verification Performed:

PROBE7-DILG
Sun Sep 13 05:52:44 2020
Thu Mar 12 11:45:10 2020
Thu Mar 12 11:45:00 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	620.000	4.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	675.000	-53.000
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		
		0.000	mmho-m		4000.000	mmho-m		

Litho Density Calibration Report
Serial: 003 Model: PRB

Master Calibration

Performed Mon May 11 11:11:10 2020

	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	6088.4	14971.1	8028.3	7691.8	cps
Window 2	5948.0	13017.2	7488.0	7264.1	cps
Window 3	1282.1	5830.7	2242.8	2125.4	cps
Window 4	365.4	367.2	362.0	364.6	cps
Long Space	0.0	7069.2	1540.0	1316.1	cps
Short Space	1.8	2869.4	1829.2	1548.1	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	
Rib Angle	: 43.5	Rib Slope	: 0.950	Density/Spine Ratio	: 0.554
Spine Angle	: 73.5	Spine Slope	: 3.385	Spine Intercept	: -18.1

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	
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		