



**COMPENSATED
DENSITY/NEUTRON
PE LOG**

Company THOROUGHbred ASSOCIATES LLC.
Well WILSON TRUST #6-2
Field UNNAMED
County COMANCHE
State KANSAS

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Field UNNAMED
County COMANCHE State KANSAS

Location: API #: 15-033-21795-0000
1685' FNL & 961' FEL
SE - NW - SE - NE
SEC 6 TWP 32S RGE 18W
Permanent Datum GROUND LEVEL Elevation 2118
Log Measured From KELLY BUSHING 12' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
DILMEL
SONIC
Elevation
K.B. 2130
D.F. 2128
G.L. 2118

Date	9/16/22	
Run Number	ONE	
Depth Driller	5973	
Depth Logger	5975	
Bottom Logged Interval	5951	
Top Log Interval	4100	
Casing Driller	8 5/8" @ 140	
Casing Logger	140	
Bit Size	7 7/8	
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,900 PPM
Density / Viscosity	9.4/48	
PH / Fluid Loss	10.0/10.0	
Source of Sample	FLOWLINE	
Rm @ Meas. Temp	.850 @ 80F	
Rmt @ Meas. Temp	.638 @ 80F	
Rmc @ Meas. Temp	1.02 @ 80F	
Source of Rmf / Rmc	MEASUREMENT	
Rm @ BHT	.507 @ 134F	
Time Circulation Stopped	2.5 HOURS	
Time Logger on Bottom	8:30 A.M.	
Maximum Recorded Temperature	134F	
Equipment Number	3802	
Location	HAYS, KANSAS	
Recorded By	COLE ROBBEN	
Witnessed By	AARON YOUNG	

<<< Fold Here >>>

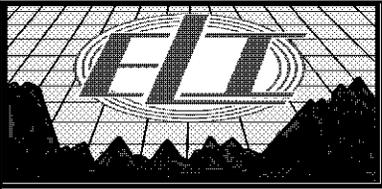
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

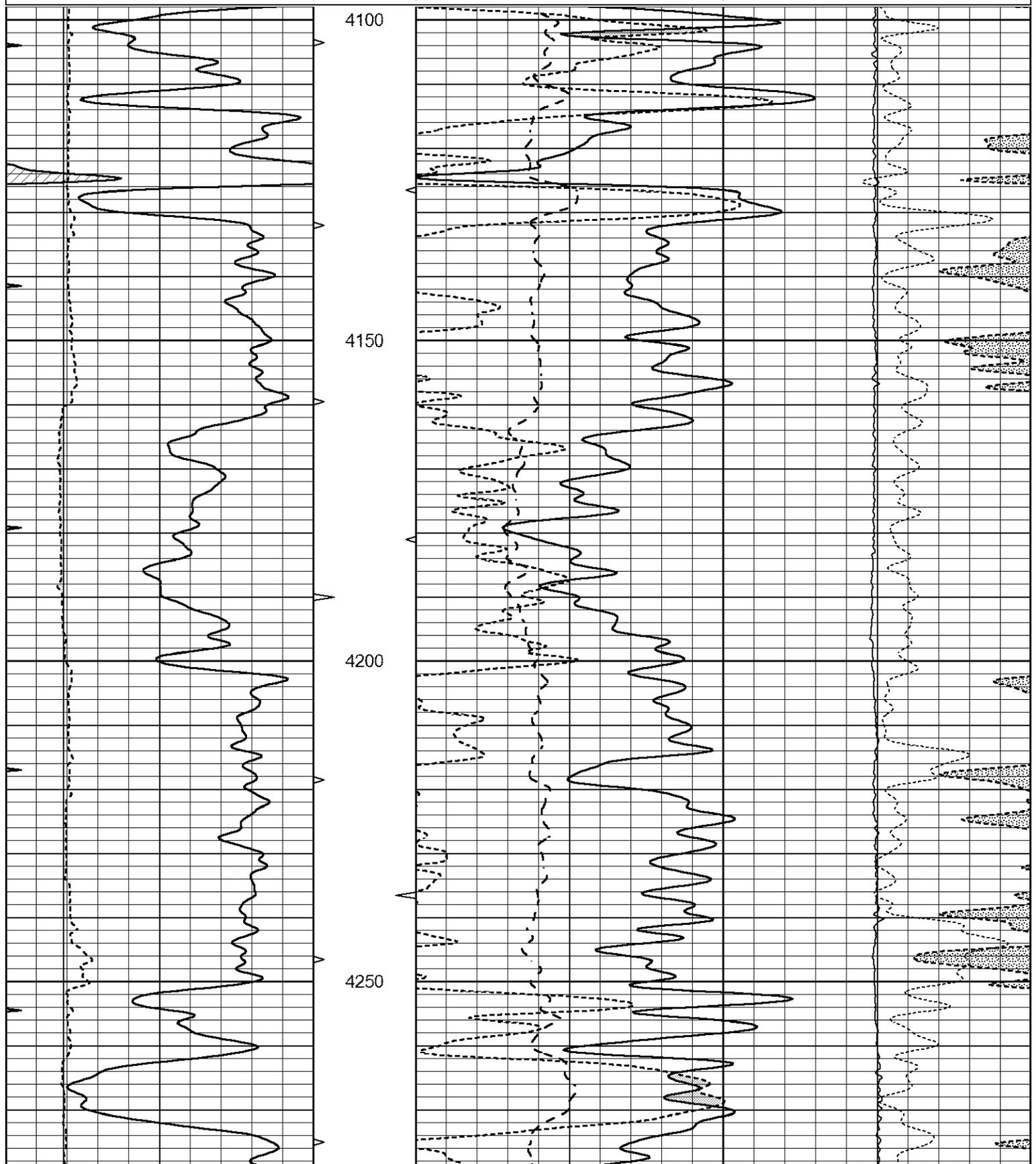
FROM COLDWATER, KS. 1 MILE NORTH TO HIGHWAY 160/183, 1 MILE WEST, 1/2 MILE NORTH,
WEST INTO

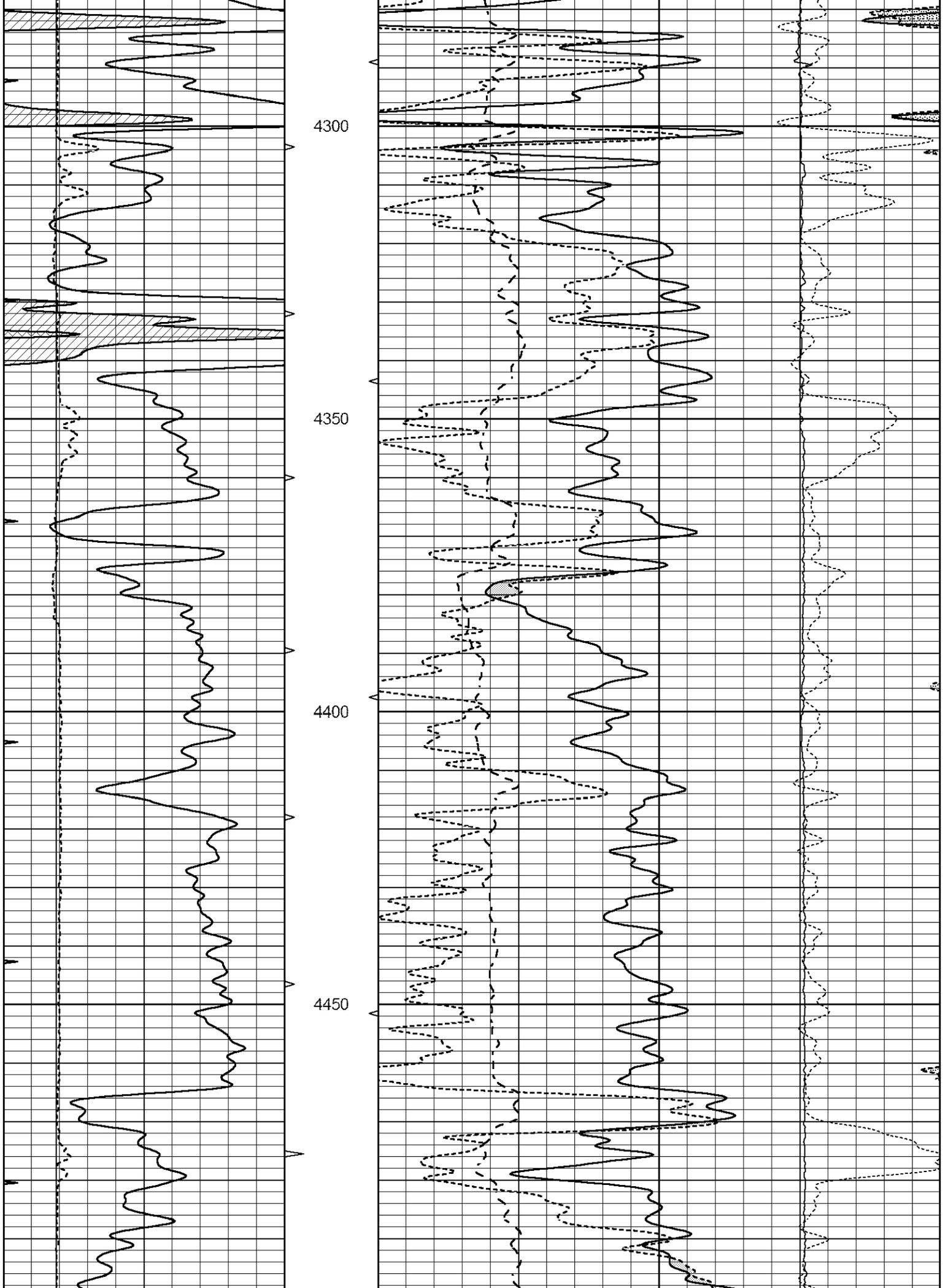


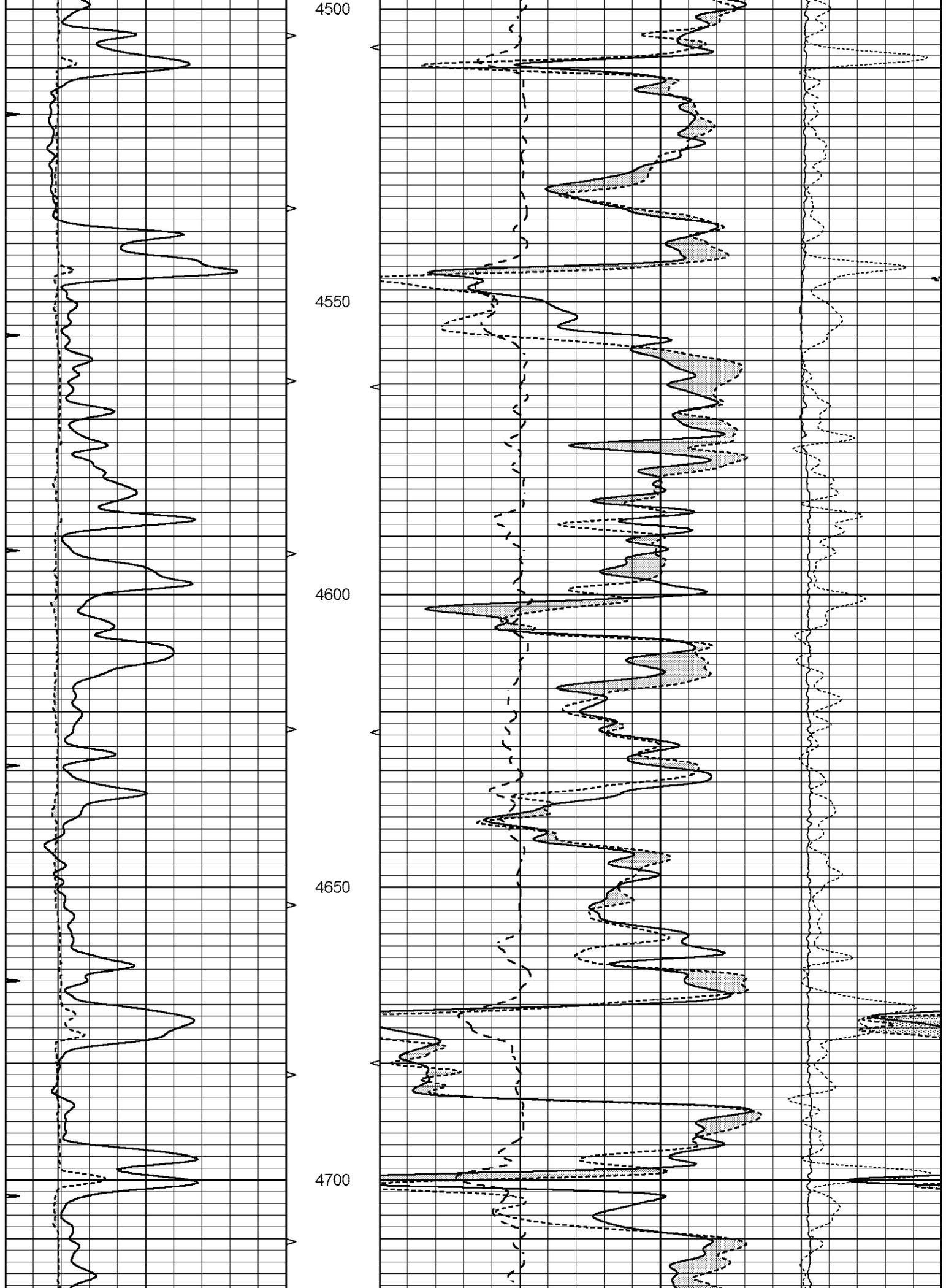
MAIN SECTION

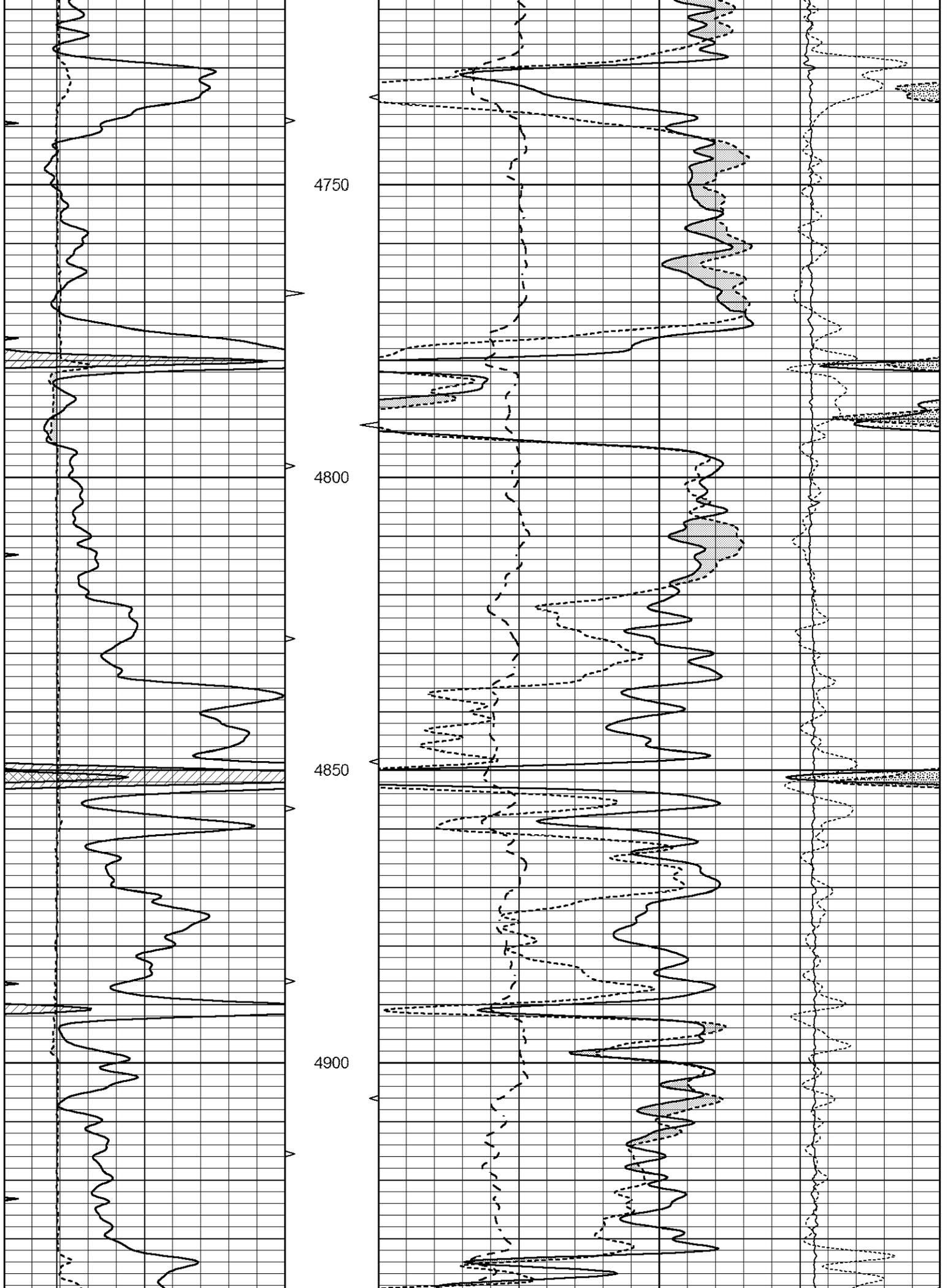
Database File c:\users\user\desktop\7017pe.db
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 Presentation Format _ldt_neu
 Dataset Creation Fri Sep 16 10:21:53 2022
 Charted by Depth in Feet scaled 1:240

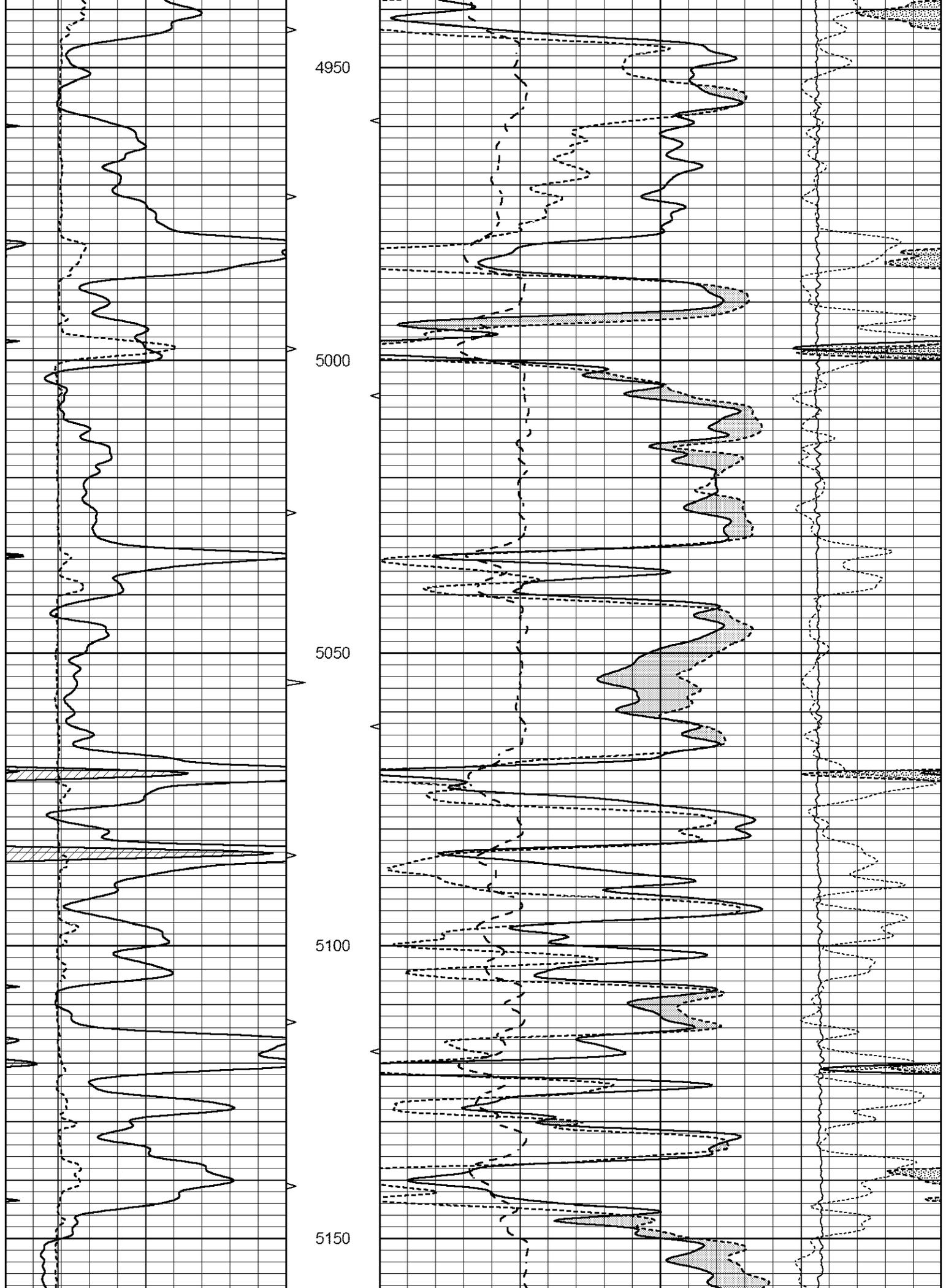
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)		-10
6	CALIPER (in)	16	10 (ft3)	0	COMPENSATED NEUTRON (pu)		-10
0	MINMK	20	TBHV	0	PE	10	-0.25 CORRECTION (g/cc) 0.25
			0 (ft3)	10		0	LTEN (lb) 5000

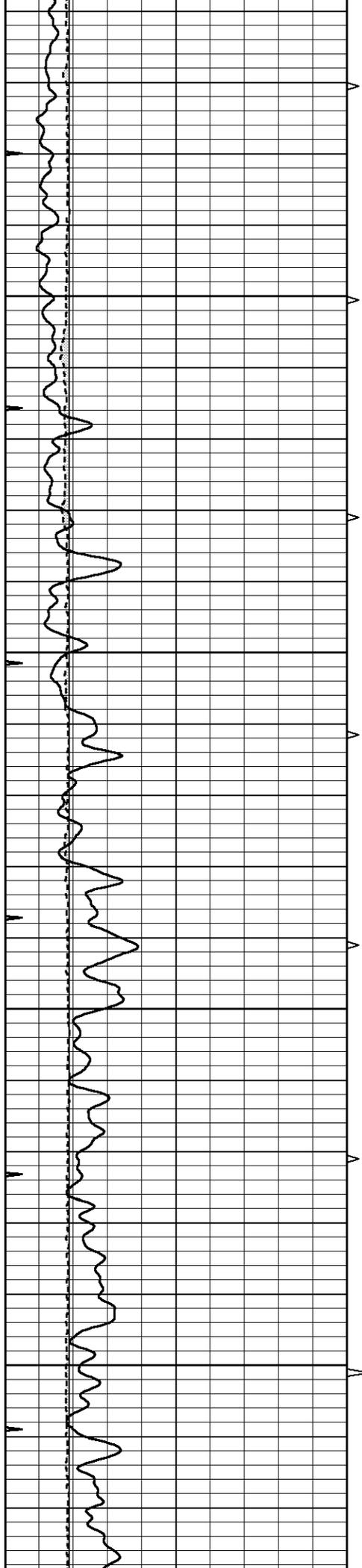










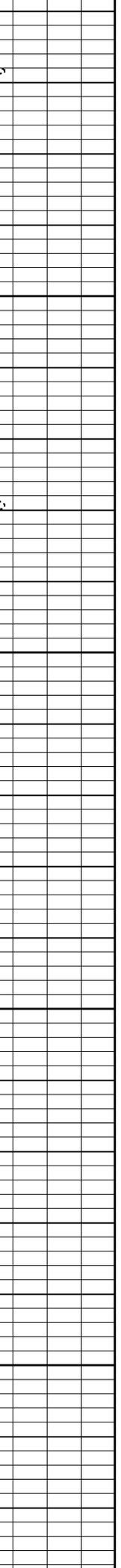
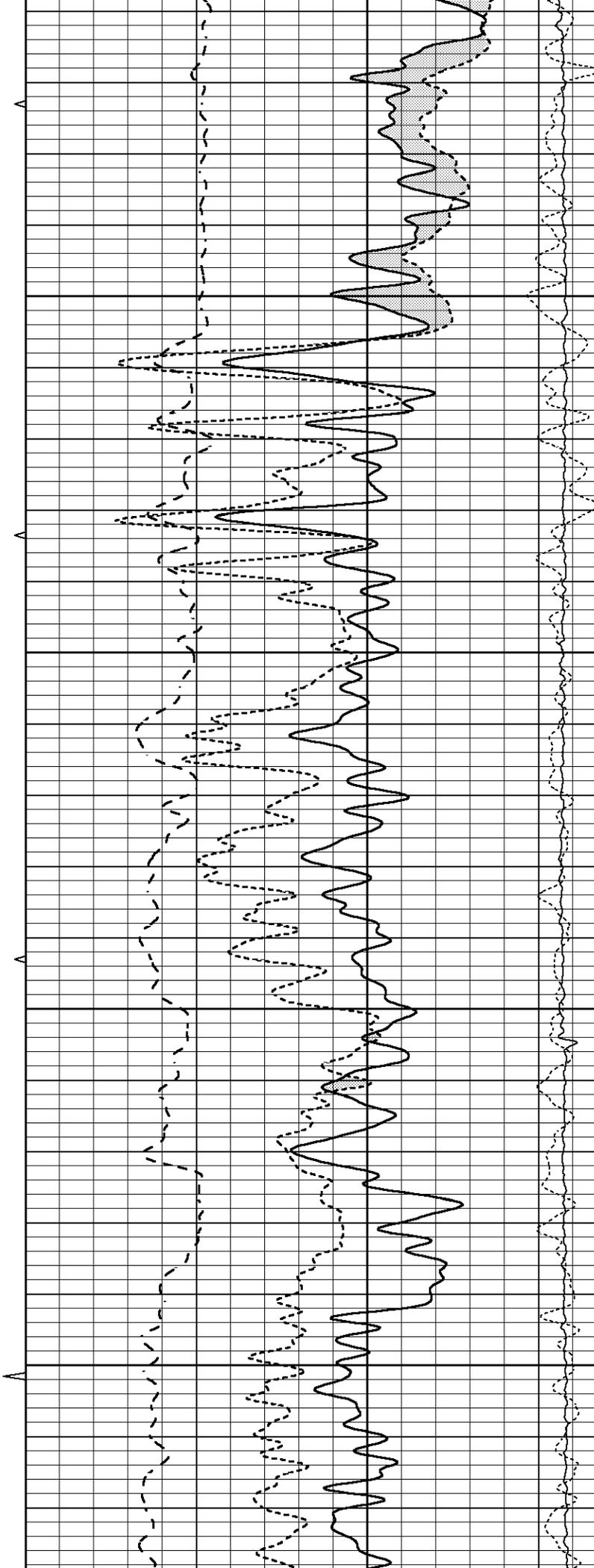


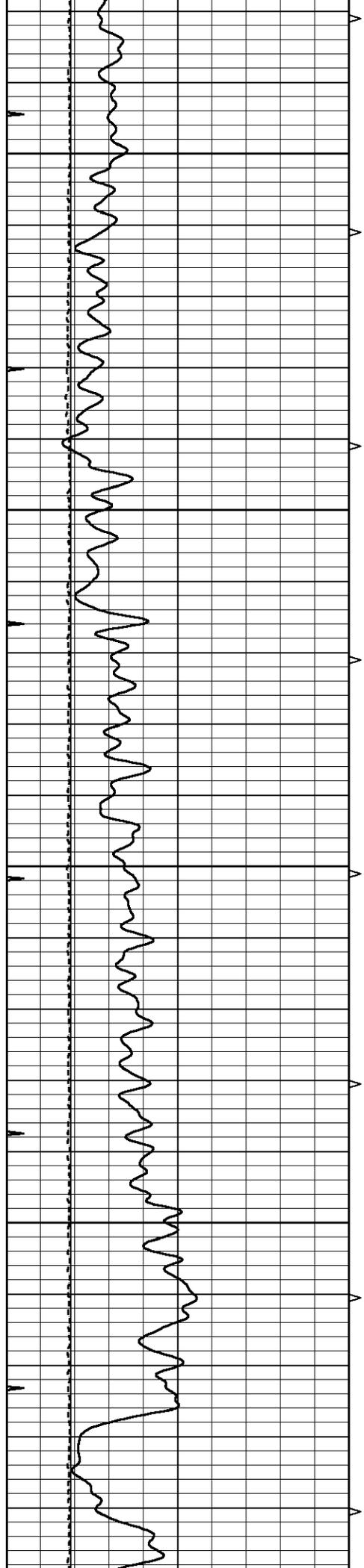
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5250

5300

5350



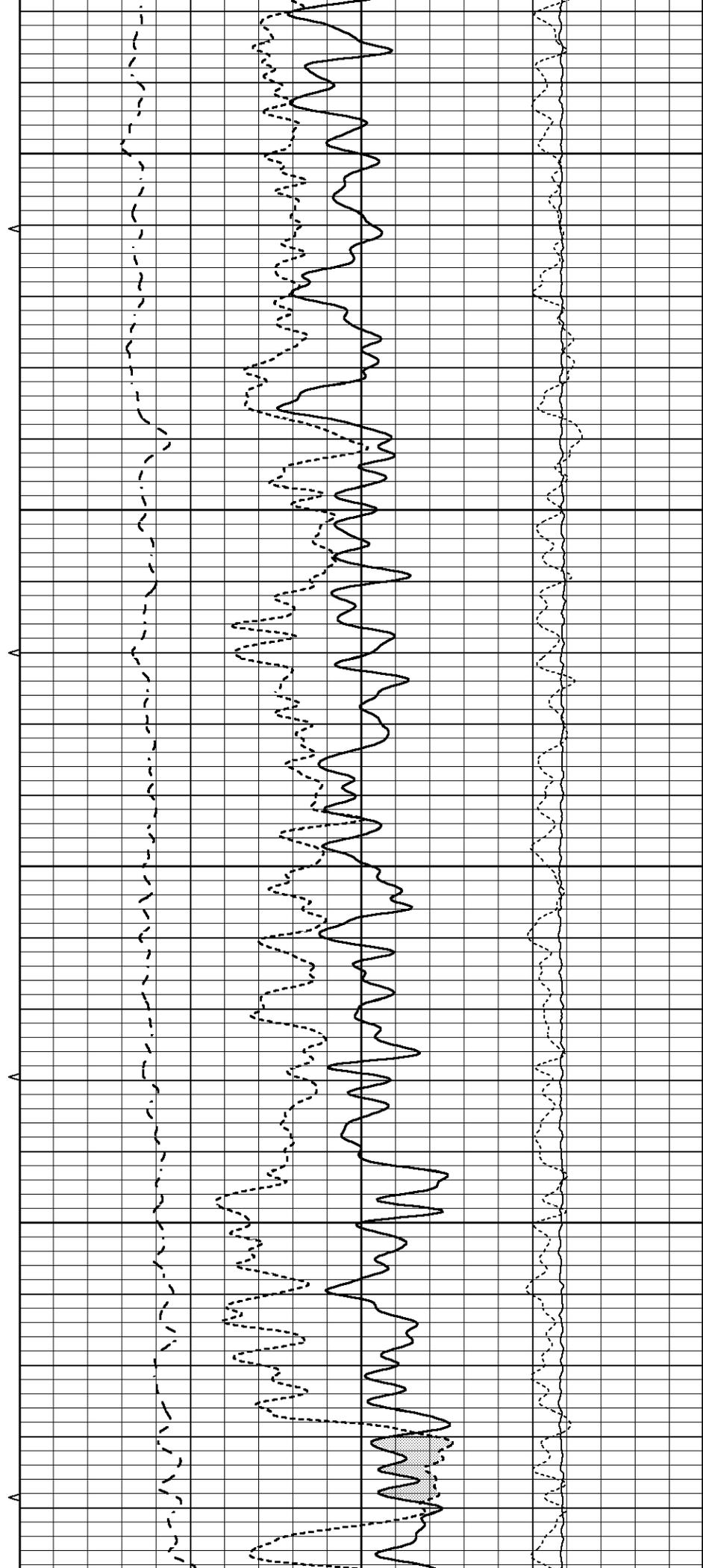


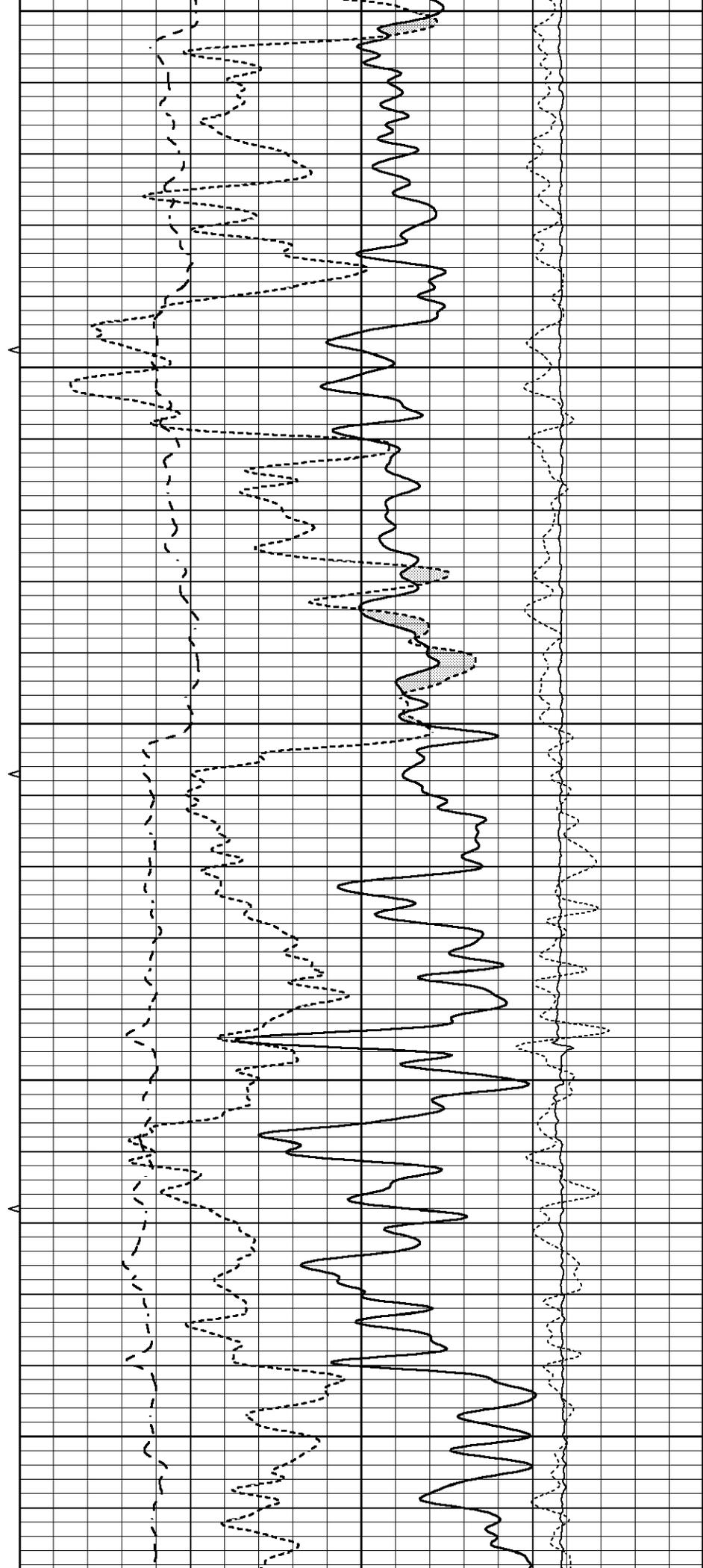
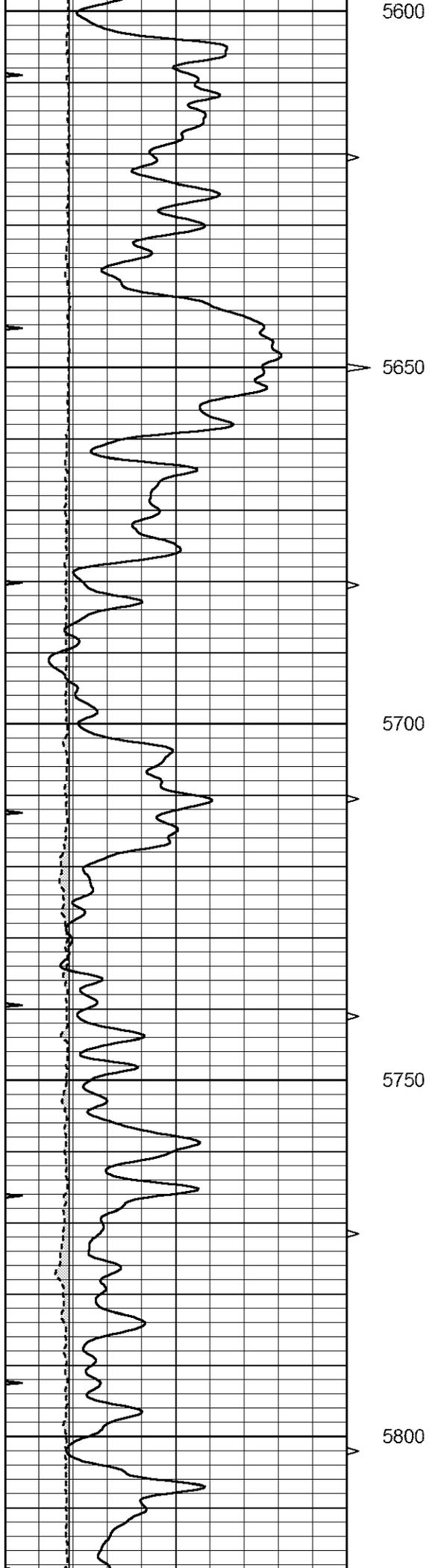
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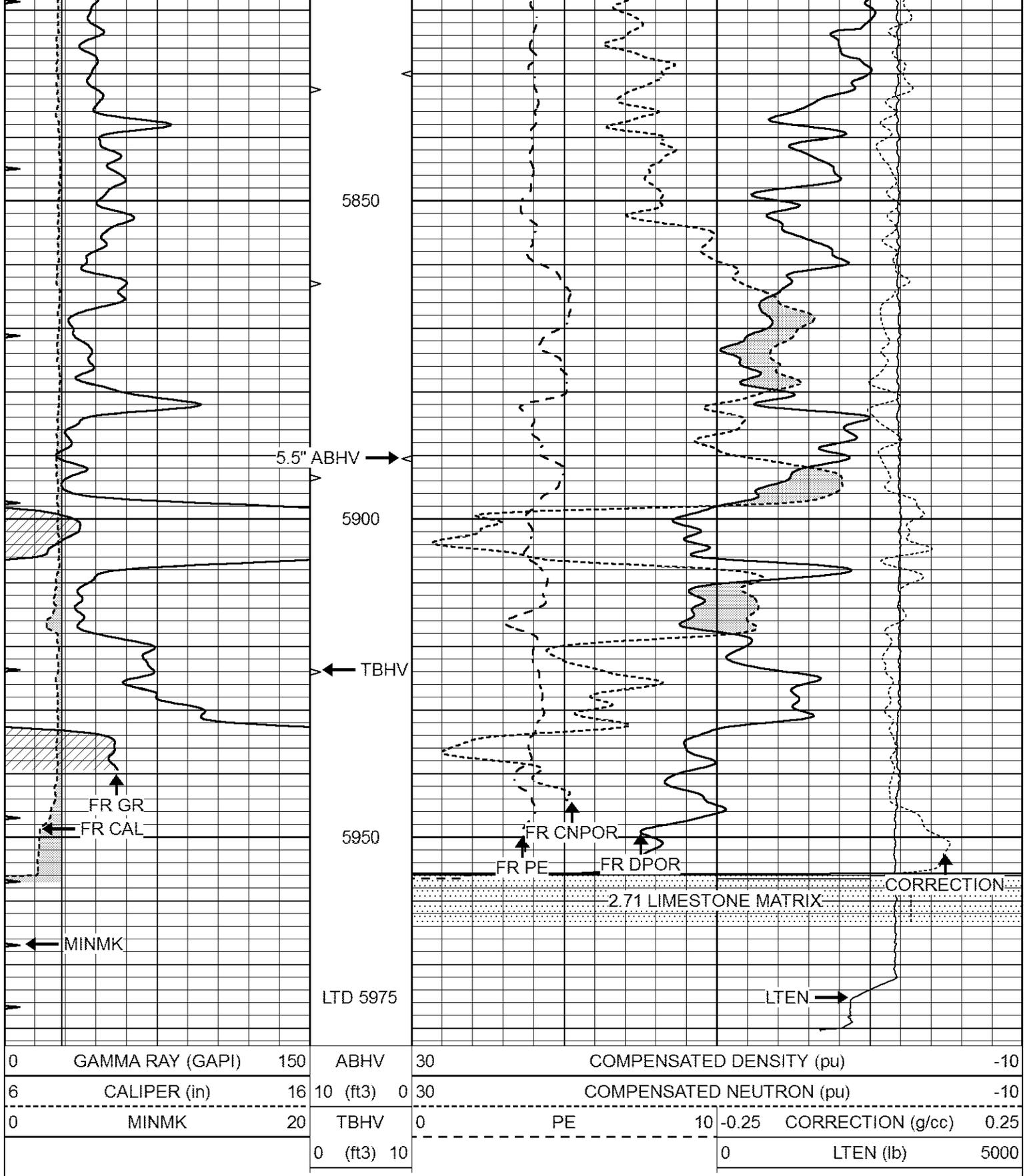
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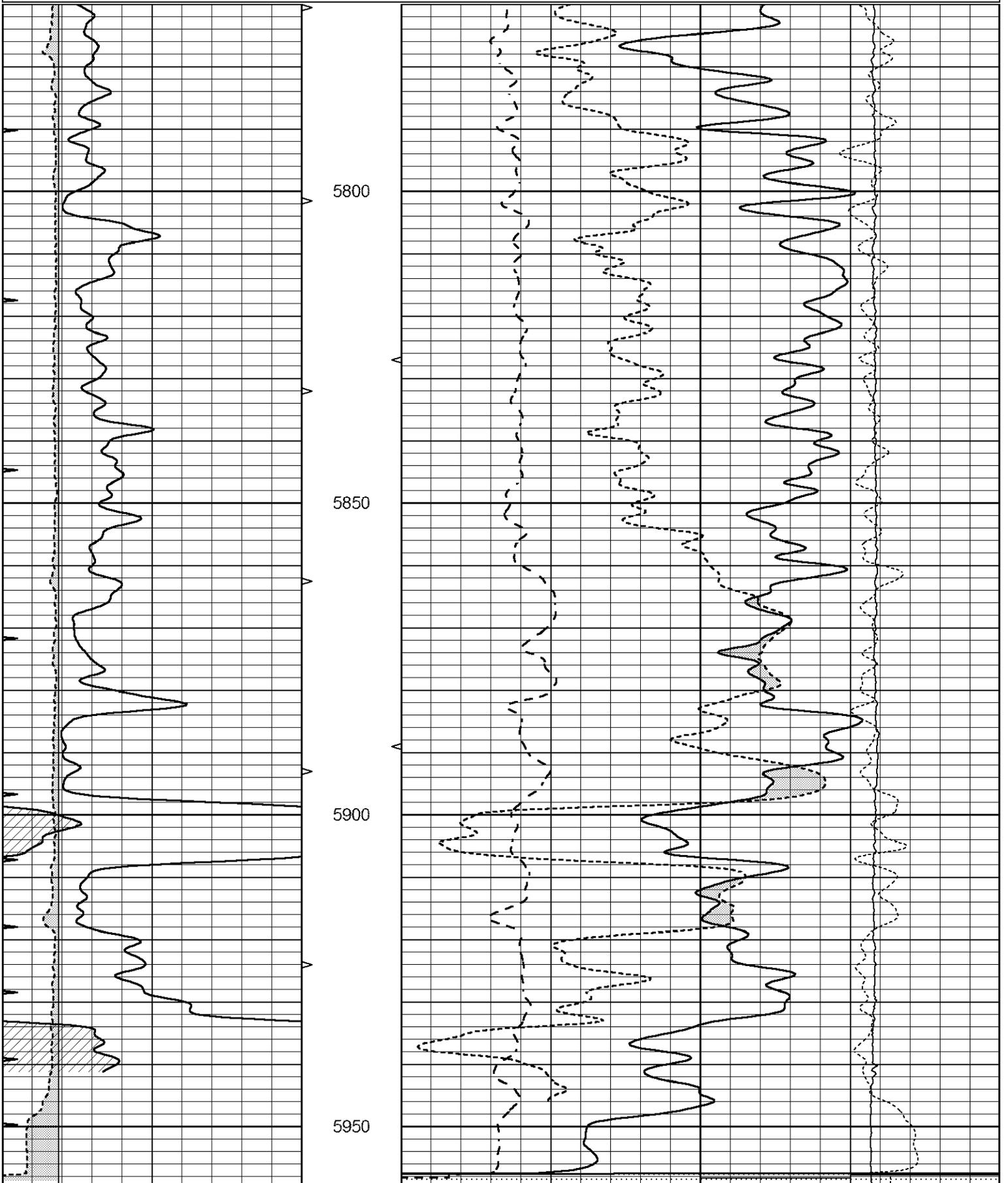


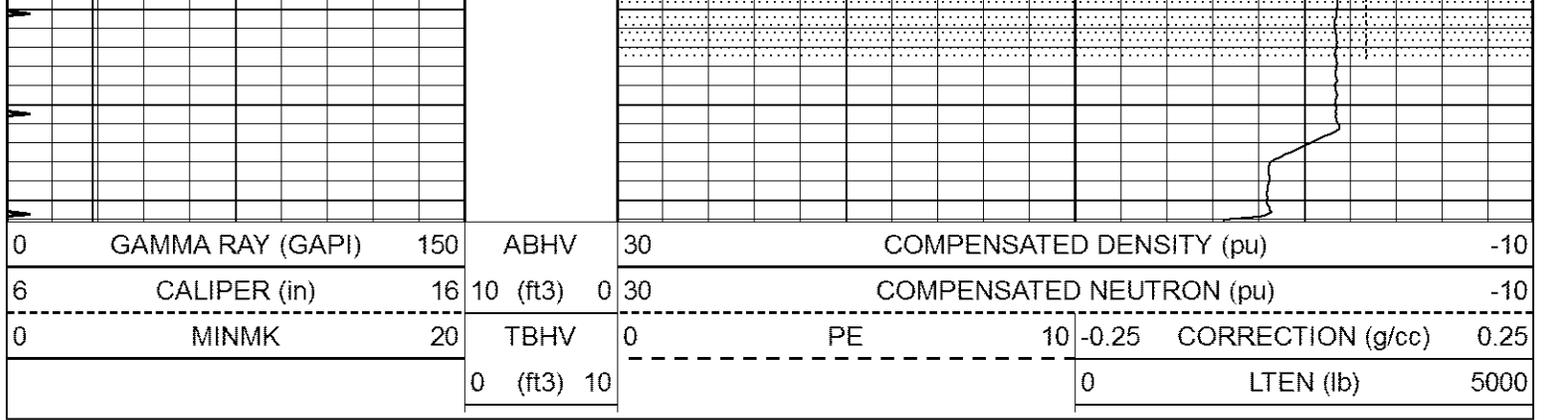




REPEAT SECTION

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	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10		0	LTEN (lb)	5000





Calibration Report

Database File C:\Users\User\Desktop\7017pe.db
 Dataset Pathname pass4D
 Dataset Creation Fri Sep 16 10:21:53 2022

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									
Loop:	Readings				References			Results	
	Air	Loop			Air	Loop		m	b
Deep	0.011	0.656	V	1.000	400.000	mmho/m	650.000	-3.000	
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	-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: 140704
 Model: V4_10P
 Source Number: 74GBq-19

	<u>Background</u>	<u>Aluminum</u>	<u>Magnesium</u>		
Window 1	503.67	5439.20	23645.11	cps	
Window 2	40.11	1218.66	5702.60	cps	
Window 4	221.18	1240.69	5295.43	cps	
Window 5	542.56	7631.48	14305.13	cps	
Window 6	41.67	1209.53	2345.40	cps	
Window 8	256.91	2493.92	4591.85	cps	
Bulk Density	-	2.6020	1.6830	g/cc	
Pe	-	3.0000	2.5070	b/e	
LS Alpha:	: -1.8302	SS Alpha:	: -0.7503	LS CPE:	: 1.1699
LS Beta:	: 122464.5983	SS Beta:	: 16307.0478	SS CPE:	: 1.6095

Before Survey Background Counts Verification Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

After Survey Background Counts Verification Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

Lithodensity Caliper Calibration Performed: Wed Jul 20 12:36:34 2022

Results		Readings		References (in)		Gain	Offset
<u>Low</u>	<u>High</u>	<u>Low</u>	<u>High</u>				
11331.0	15645.5	8.0	14.0			0.0	-7.0

Before Survey Caliper Verification Performed:

	Reference	Reading
Caliper (in)	_____	_____

After Survey Caliper Verification Performed:

	Reference	Reading
Caliper (in)	_____	_____

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	