



**COMPENSATED  
DENSITY/NEUTRON  
PE LOG**

Company UNION VALLEY PETROLEUM CORP.  
Well KING #1-36  
Field NORTH CALDWELL  
County SUMNER  
State KANSAS

Company UNION VALLEY PETROLEUM CORPORATION  
Well KING #1-36  
Field NORTH CALDWELL  
County SUMNER State KANSAS

Location: API #: 15-191-22863-0000  
1420' FNL & 870' FEL  
NE - NW - SE - NE  
SEC 36 TWP 33S RGE 4W  
Permanent Datum GROUND LEVEL Elevation 1221  
Log Measured From KELLY BUSHING 13' A.G.L  
Drilling Measured From KELLY BUSHING  
Other Services  
DILMEL  
SONIC  
Elevation  
K.B. 1234  
D.F. 1232  
G.L. 1221

Date	3/25/24
Run Number	ONE
Depth Driller	4675
Depth Logger	4675
Bottom Logged Interval	4651
Top Log Interval	3000
Casing Driller	8.625@310
Casing Logger	310
Bit Size	7.785
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3/55
pH / Fluid Loss	10.0/10.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.880@72F
Rmf @ Meas. Temp	.660@72F
Rmc @ Meas. Temp	1.06@72F
Source of Rmf / Rmc	MEASUREMENT
Rm @ BHT	.519@122F
Time Circulation Stopped	3 HOURS
Time Logger on Bottom	5:30 A.M.
Maximum Recorded Temperature	122F
Equipment Number	922339
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	DUSTIN JOHNSON

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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.

15-191-22863-0000 Comments

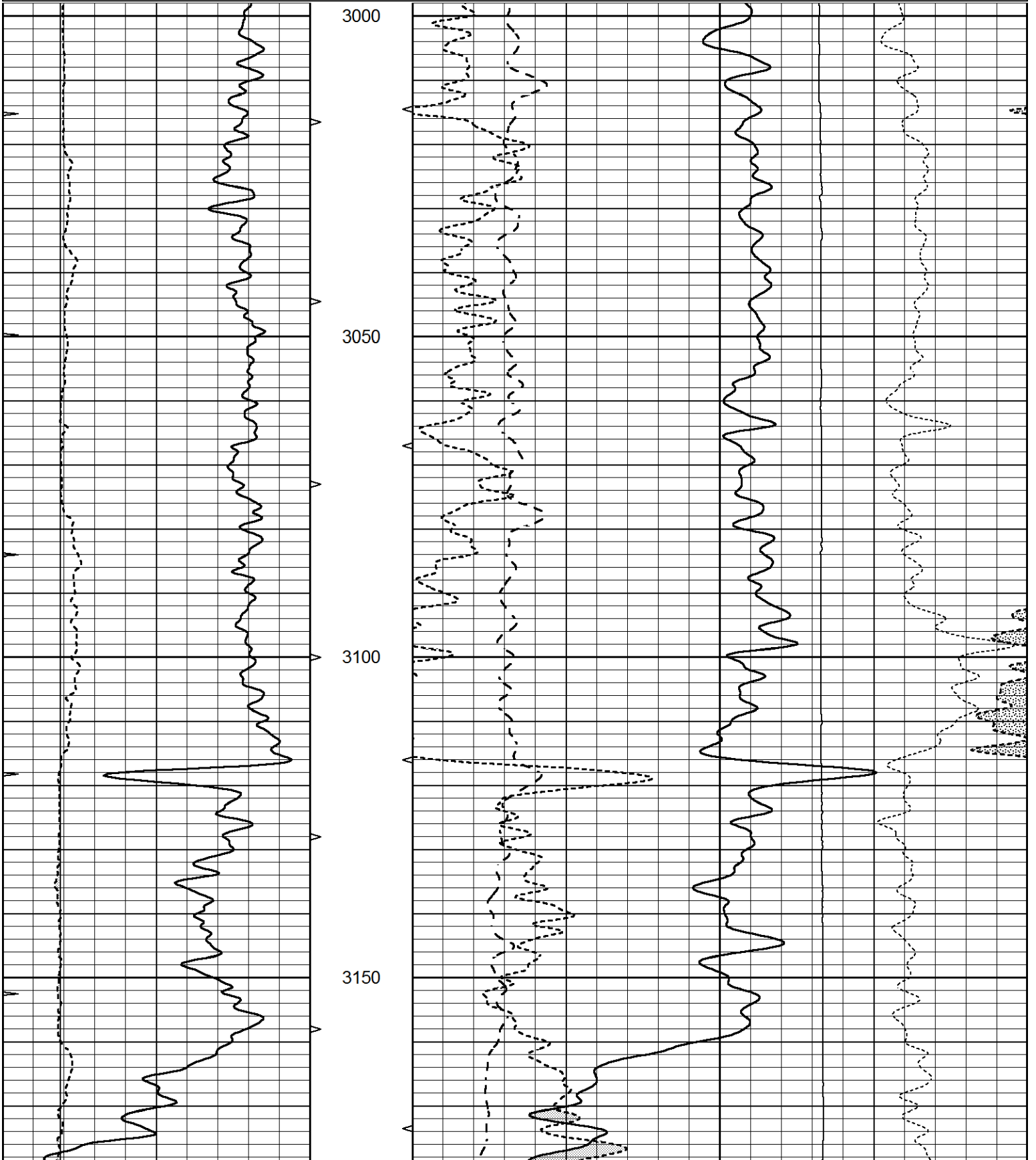
THANK YOU FOR USING ELI WIRELINE HAYS. KANSAS (785) 628-6395  
DIRECTIONS  
ANTHONY, KS., APPROX. 19E. ON HWY 44 TO "BLUFF RD." 1S., S.W. INTO

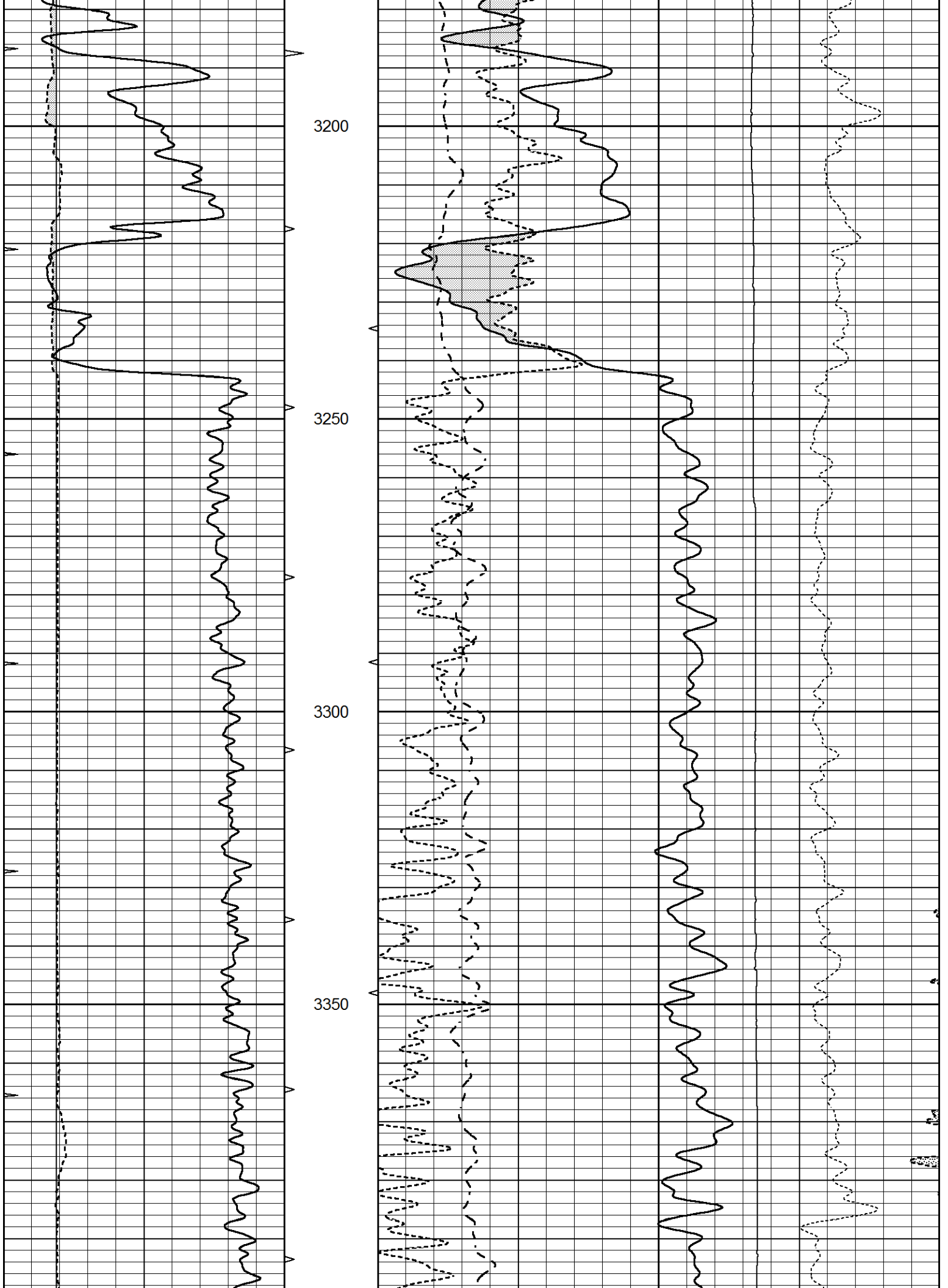


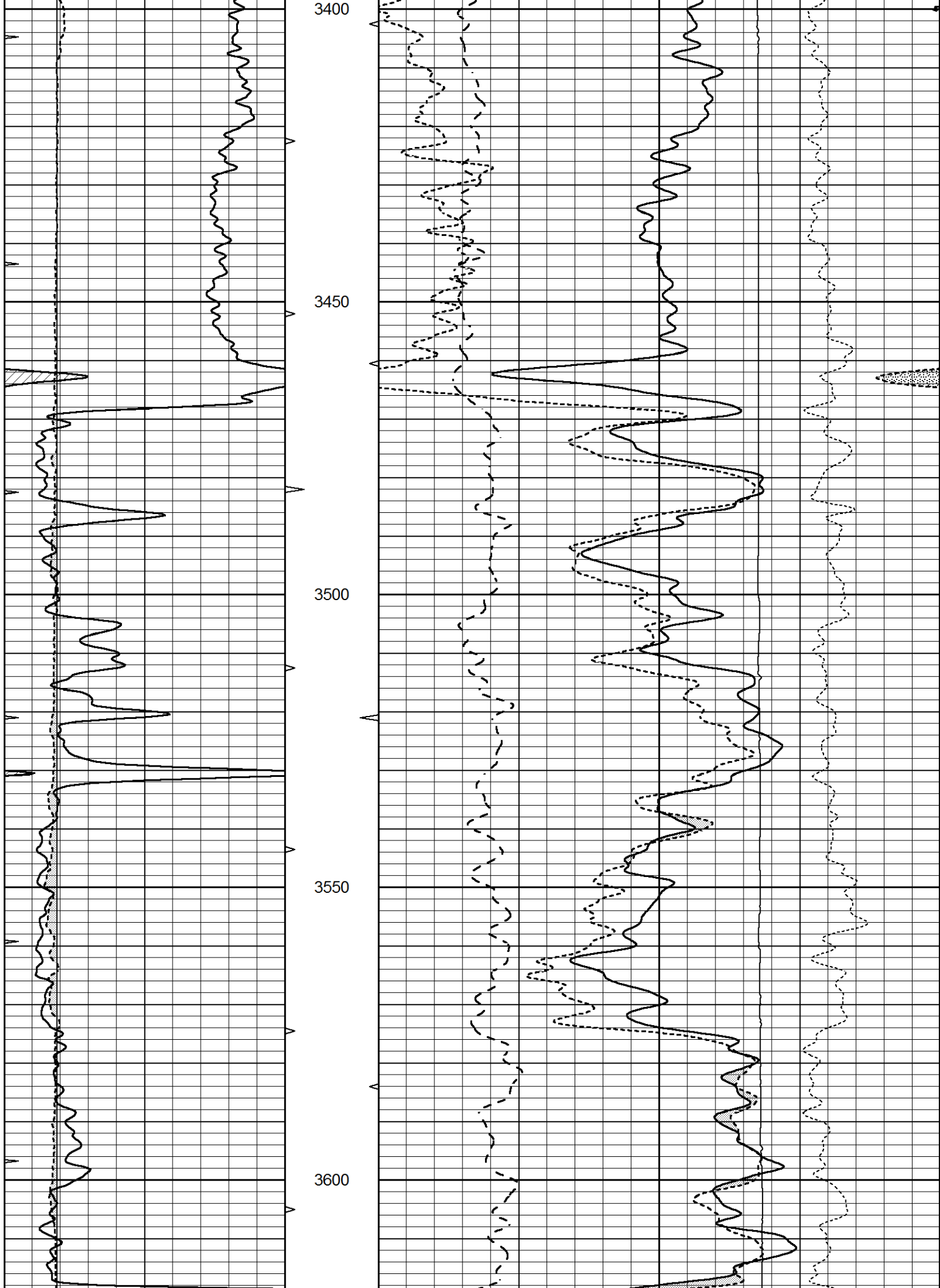
# MAIN SECTION

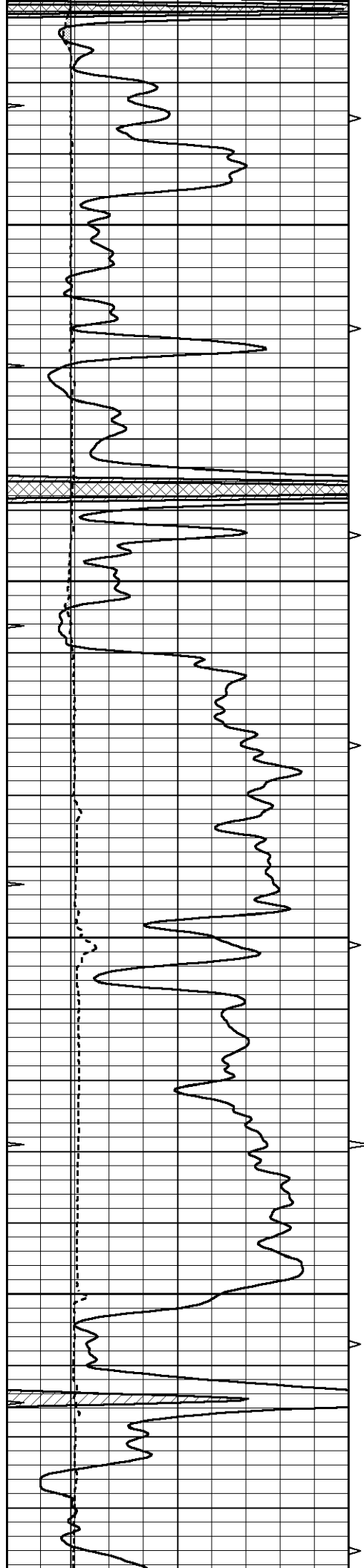
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 Dataset Pathname pass3.1M  
 Presentation Format \_ldt\_neu  
 Dataset Creation Mon Mar 25 08:05:42 2024  
 Charted by Depth in Feet scaled 1:240

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			0	LTEN (lb)	5000	







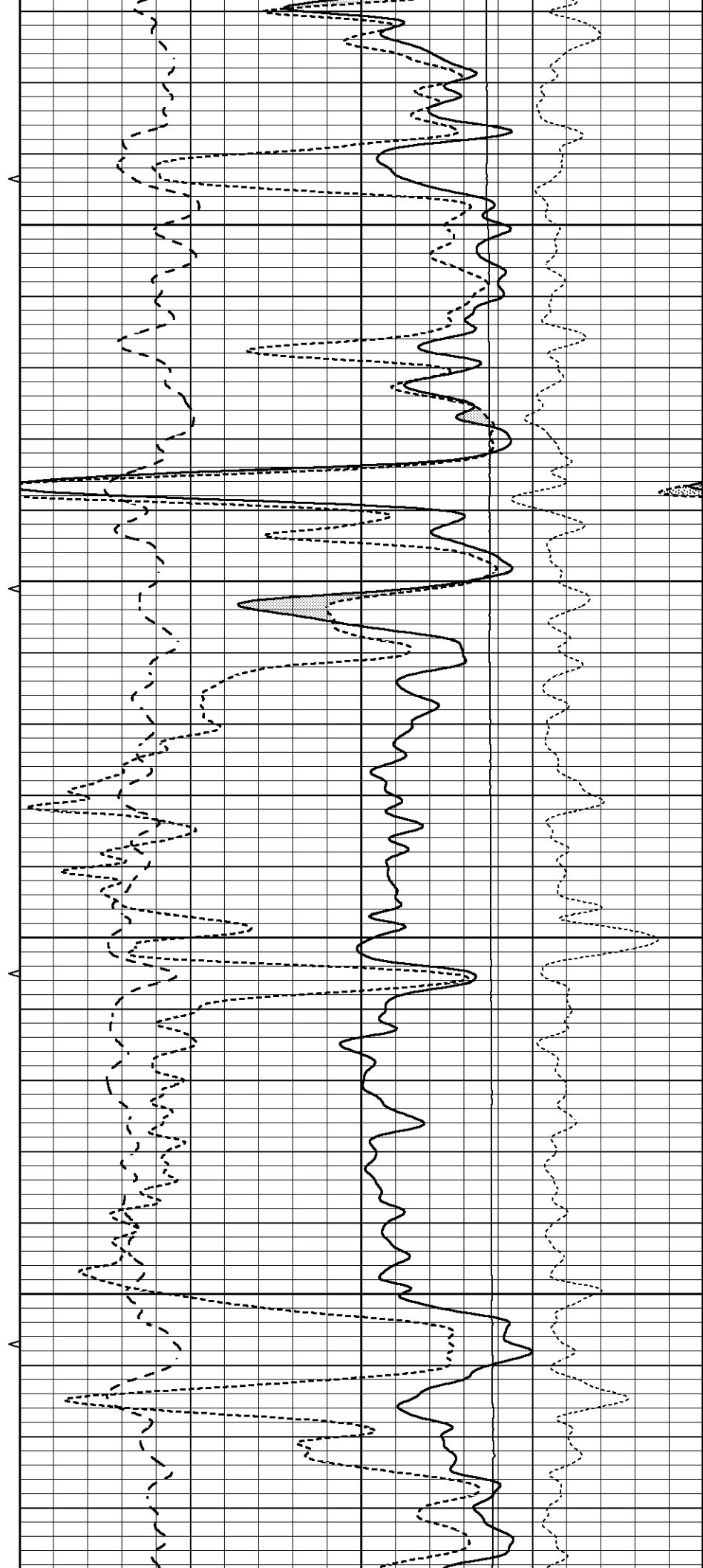


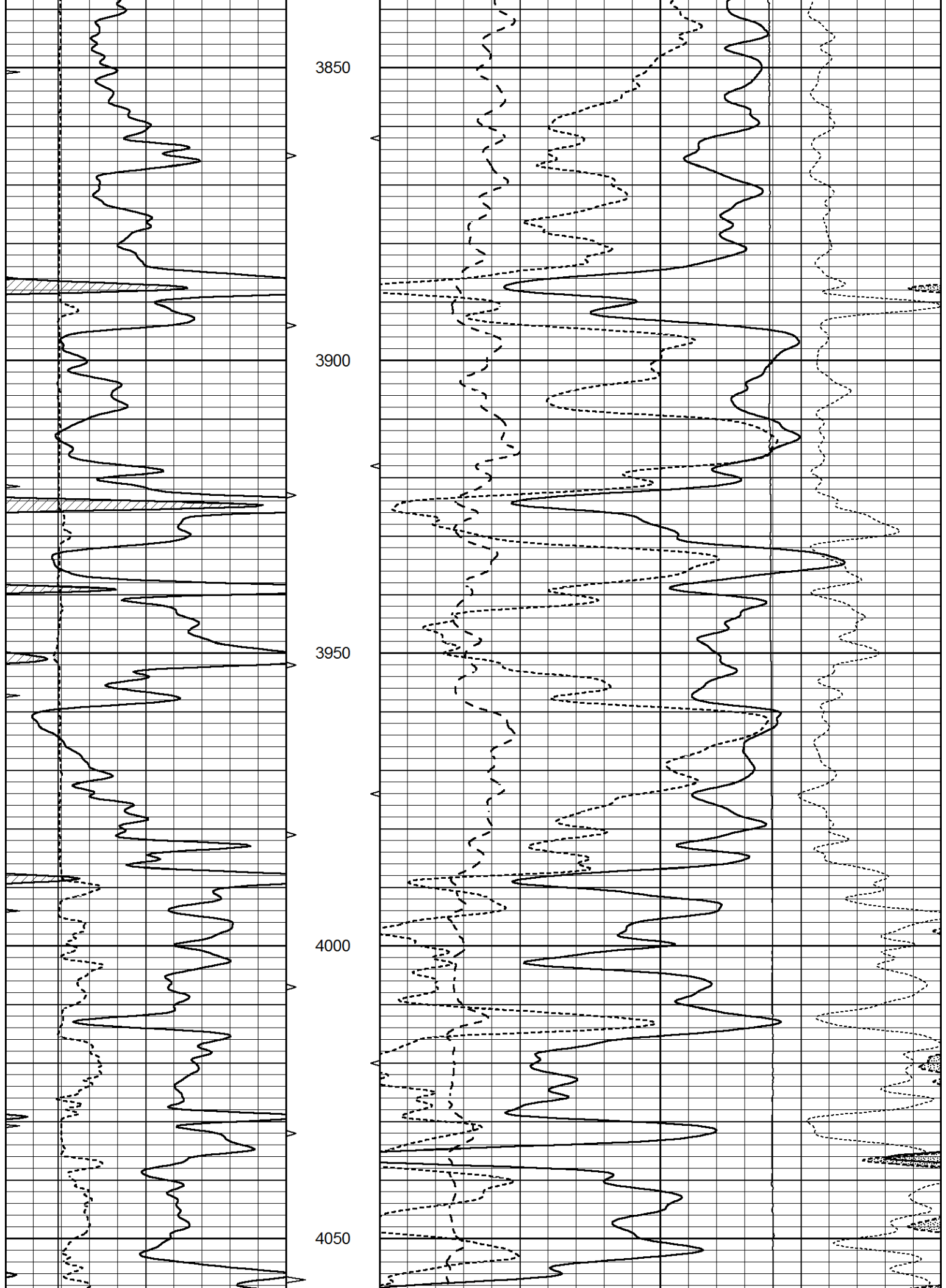
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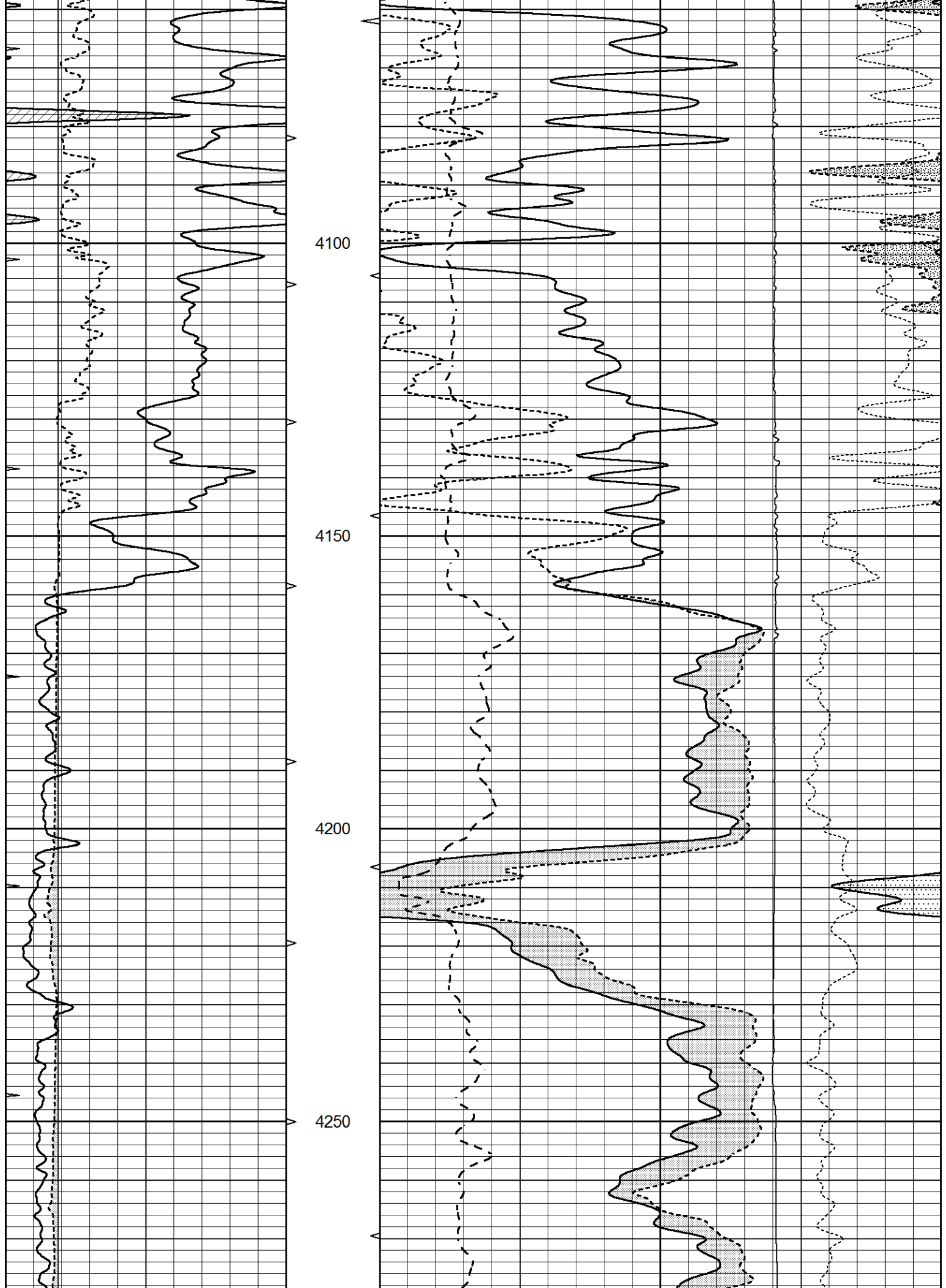
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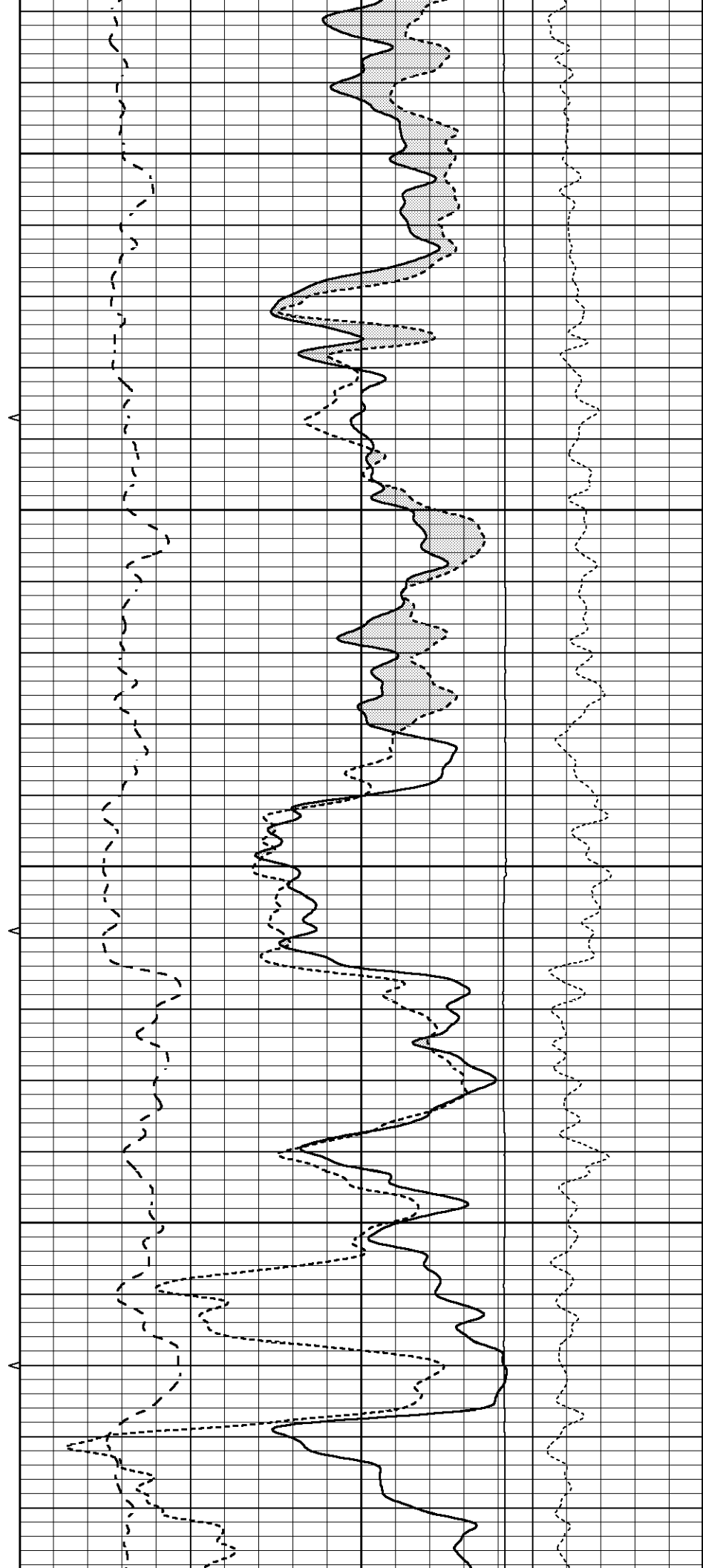
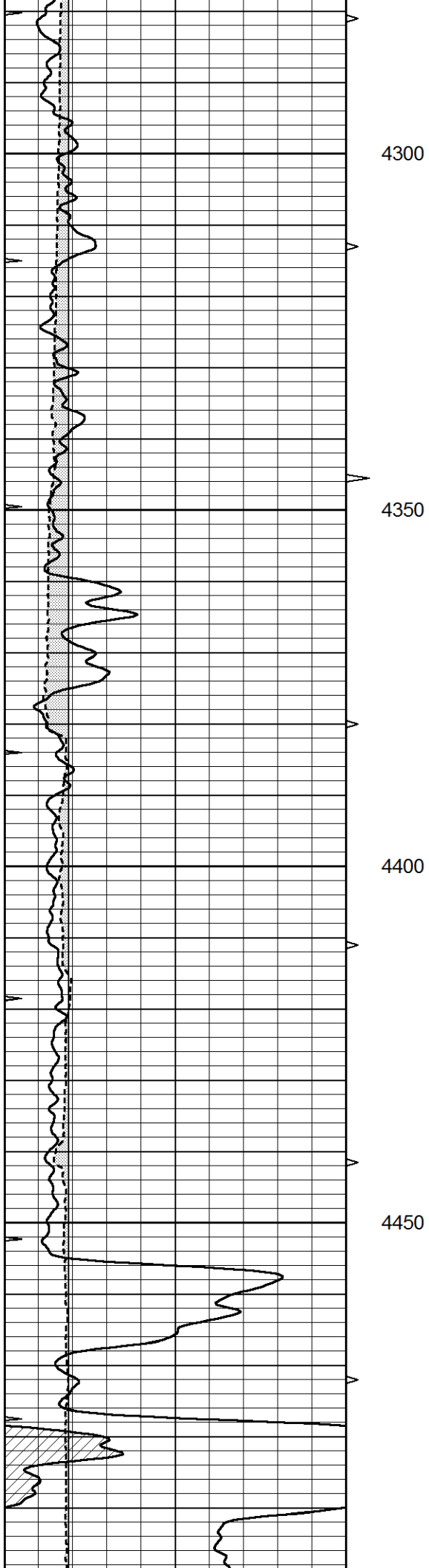
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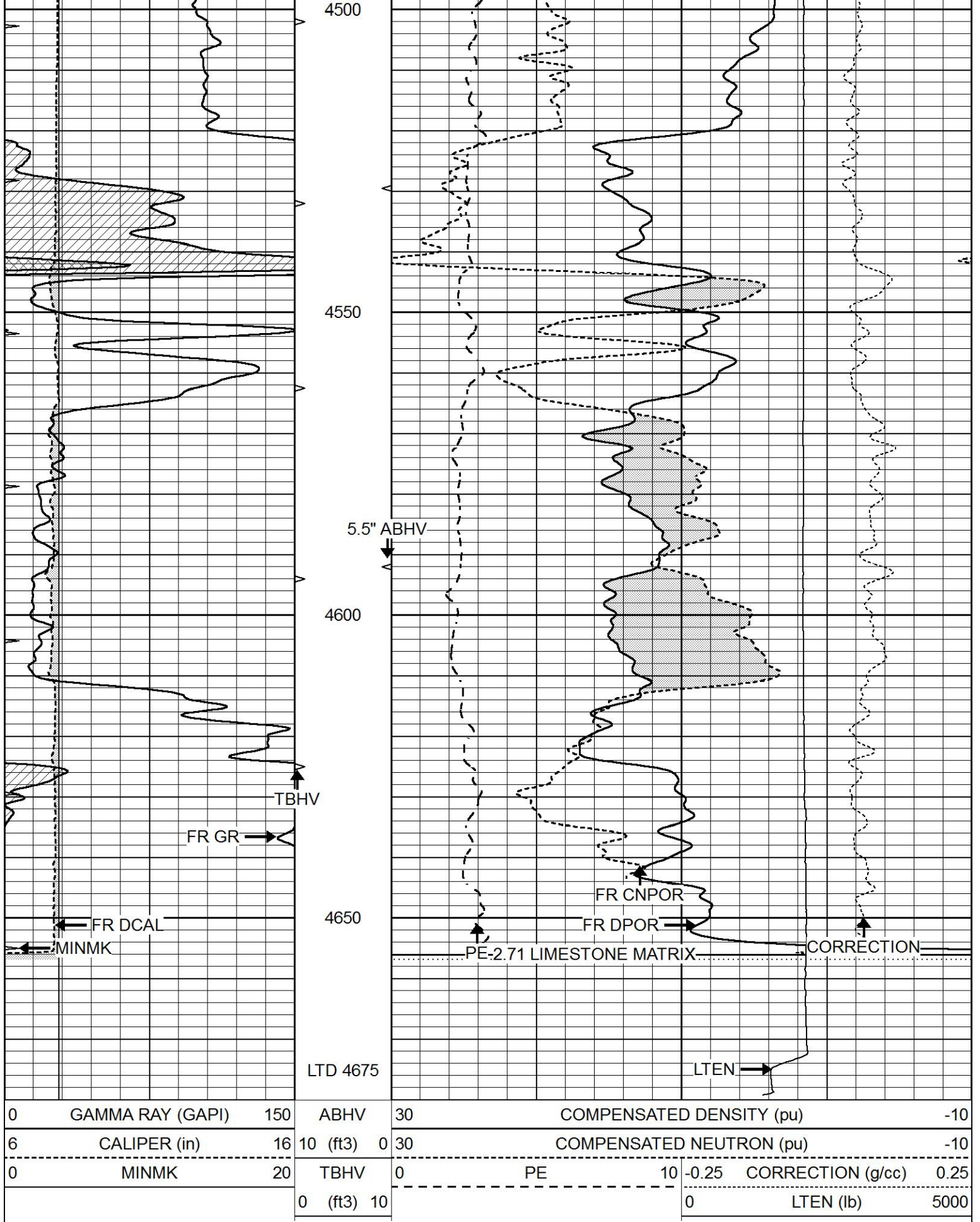
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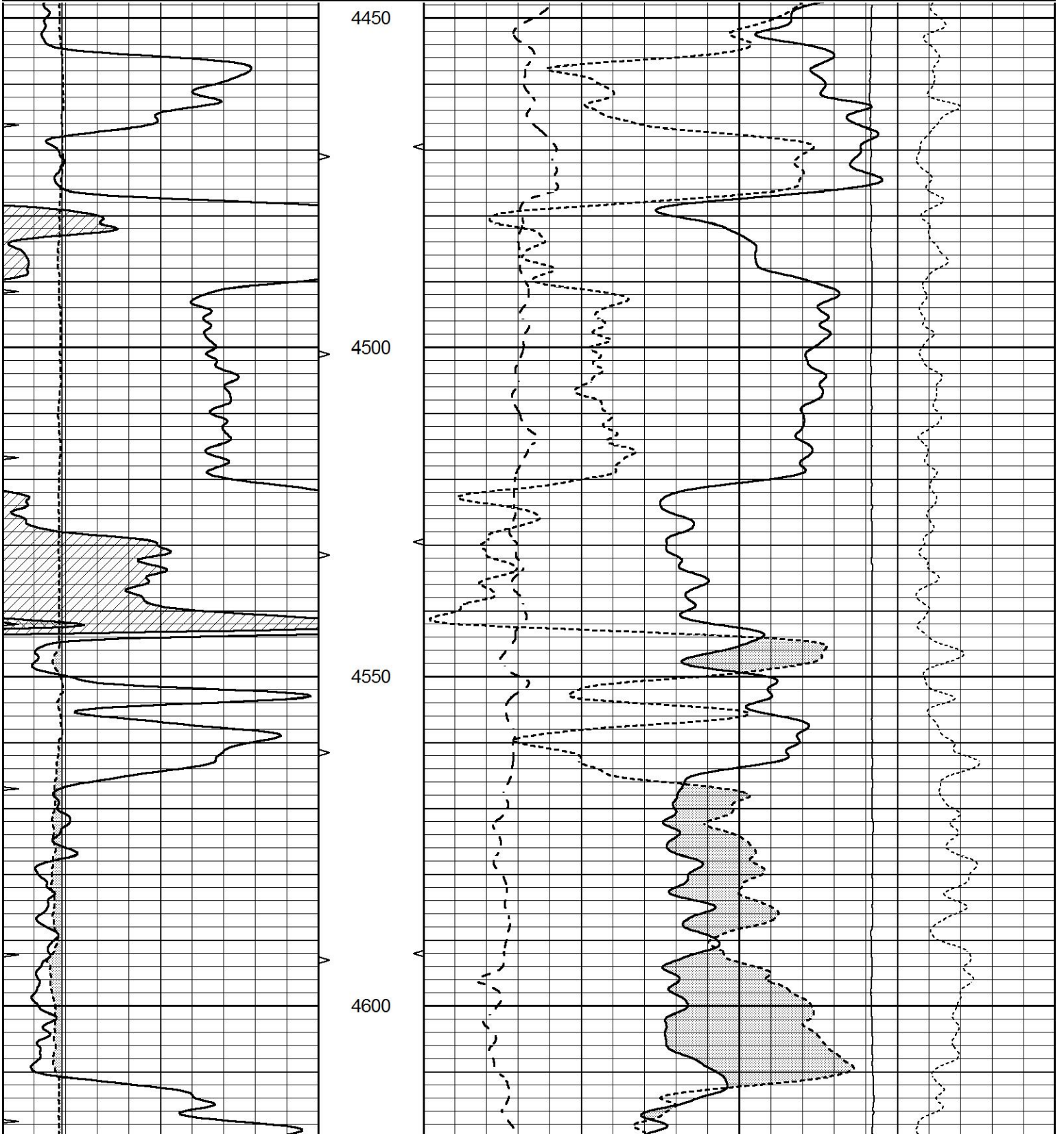


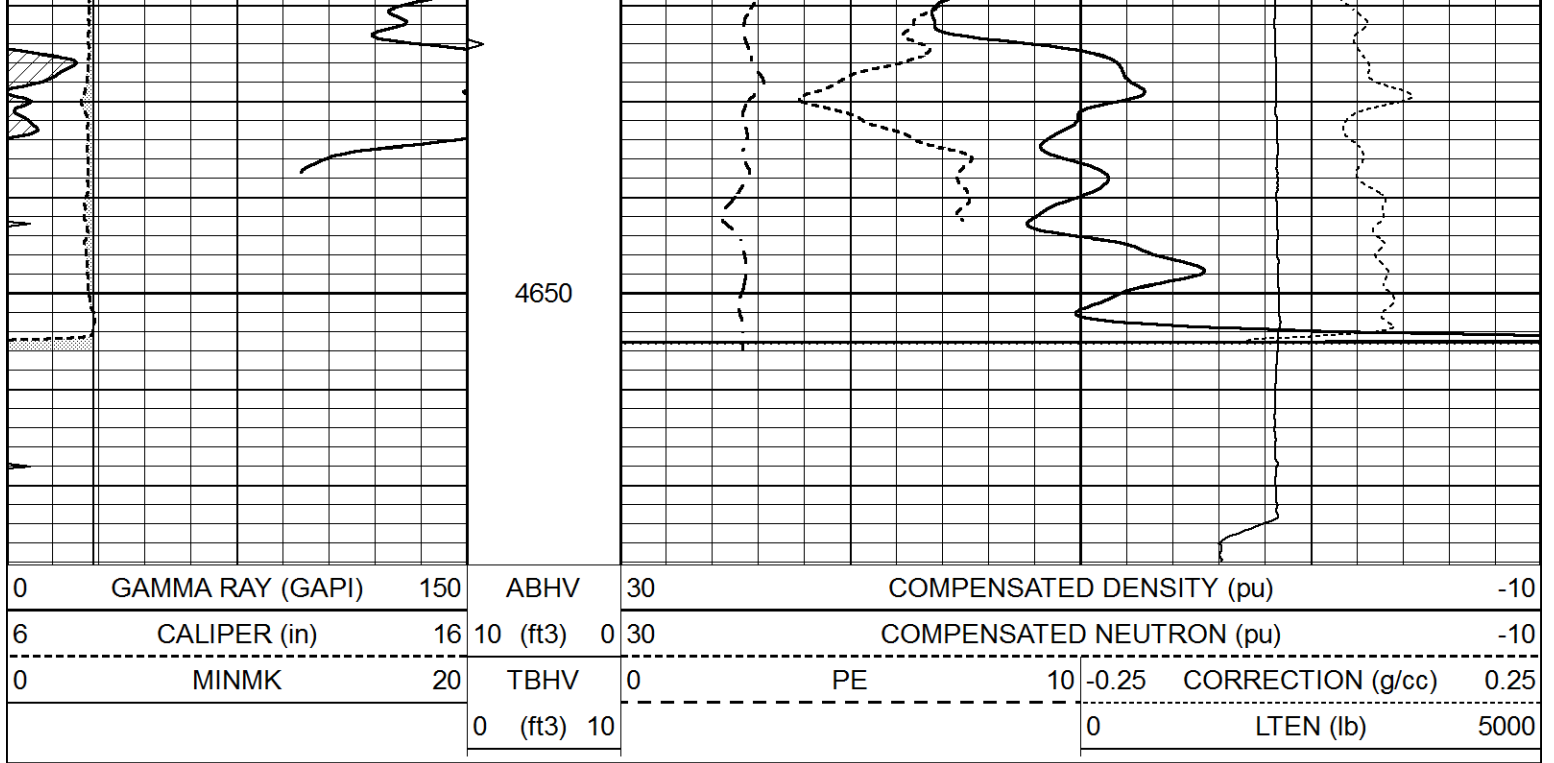


# REPEAT SECTION

Database File 8425pe.db  
 Dataset Pathname pass2.1R  
 Presentation Format \_ldt\_neu  
 Dataset Creation Mon Mar 25 08:08:05 2024  
 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		0	LTEN (lb)	5000





### Calibration Report

Database File 8425pe.db  
 Dataset Pathname pass3.1M  
 Dataset Creation Mon Mar 25 08:05:42 2024

### Dual Induction Calibration Report

Serial-Model: PROBE8-DILG  
 Surface Cal Performed: Mon Mar 25 06:45:32 2024  
 Downhole Cal Performed: Mon Aug 14 00:39:25 2023  
 After Survey Verification Performed: Mon Jul 28 11:08:27 2008

#### Surface Calibration

Loop:	Readings				References			Results	
	Air	Loop			Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	660.000	15.000	
Medium	0.029	0.796	V	0.000	464.000	mmho/m	650.000	5.000	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619	
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739	

#### Downhole Calibration

	Readings				References			Results	
	Zero	Cal			Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000	
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000	
LL3		7.500	V		1500.000	Ohm-m			
		0.000	V		20.000	Ohm-m			
		-7.200	V		3800.000	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	

Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	1.000	Ohm-m		1.000	Ohm-m		
LL3		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 Tue Aug 02 11:29:35 2022

	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1154.2	10019.5	3137.9	2795.6	cps
Window 2	1054.4	8597.6	2733.4	2469.5	cps
Window 3	902.3	5241.4	1832.1	1719.3	cps
Window 4	251.9	261.1	255.8	252.9	cps
Long Space	0.0	7543.2	1679.0	1415.0	cps
Short Space	4.4	2049.3	1321.7	1116.8	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	
Rib Angle	: 43.7	Rib Slope	: 0.957	Density/Spine Ratio	: 0.562
Spine Angle	: 73.7	Spine Slope	: 3.426	Spine Intercept	: -17.2

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 Mar 20 11:08:27 2024	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3000	GAPI/cps