

COMPENSATED DENSITY/NEUTRON LOG

Company	DOWNING-NELSON OIL COMPANY, INC.		
Well	HFI #5-27		
Field	HOUSE FARMS		
County	RAWLINS		
State	KANSAS		
Location:	API # : 15-153-21360-0000		Other Services
	2063 FNL & 802 FWL NW - SE - SW - NW		DIL/MEL
Permanent Datum	SEC 27	TWP 04S	RGE 36W
Log Measured From	GROUND LEVEL Elevation 3359 KELLY BUSHING 11' A.G.L.		
Drilling Measured From	KELLY BUSHING		
Elevation	K.B. 3370 D.F. 3368 G.L. 3359		
Date	12/2/25		
Run Number	ONE		
Depth Driller	4860		
Depth Logger	4861		
Bottom Logged Interval	4837		
Top Log Interval	3600		
Casing Driller	8.625 @480		
Casing Logger	480		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.870		
pH / Fluid Loss	8.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.80 @ 88F		
Rmf @ Meas. Temp	1.35 @ 88F		
Rmc @ Meas. Temp	2.16 @ 88F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	1.28 @ 124F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	12:15 AM		
Maximum Recorded Temperature	124F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBBEN		
Witnessed By	MARC DOWNING		
	TJ DREILING		

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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:

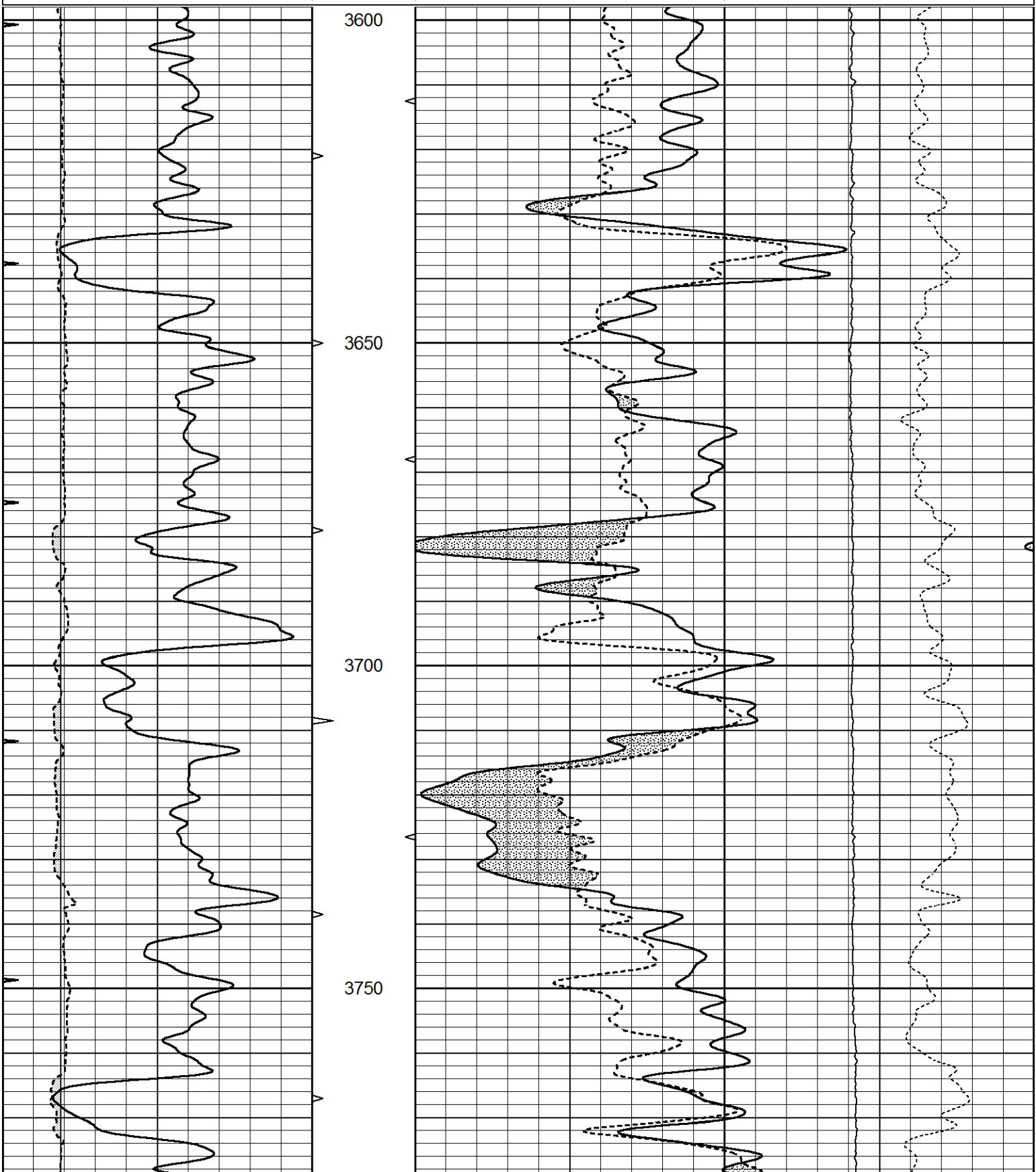
FROM BREWSTER, KANSAS - NORTH 25 MILES ON ROAD 2 TO COUNTY ROAD 'H', 1 MILE EAST, NORTH INTO

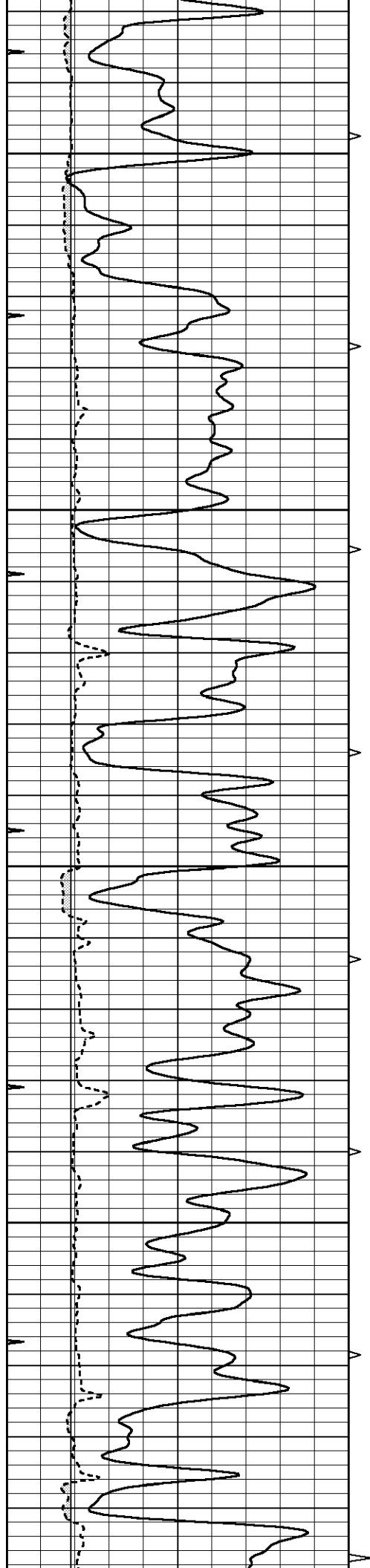


MAIN SECTION

Database File	9739ddn.db
Dataset Pathname	pass3.D
Presentation Format	_den_neu
Dataset Creation	Tue Dec 02 01:17:00 2025
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



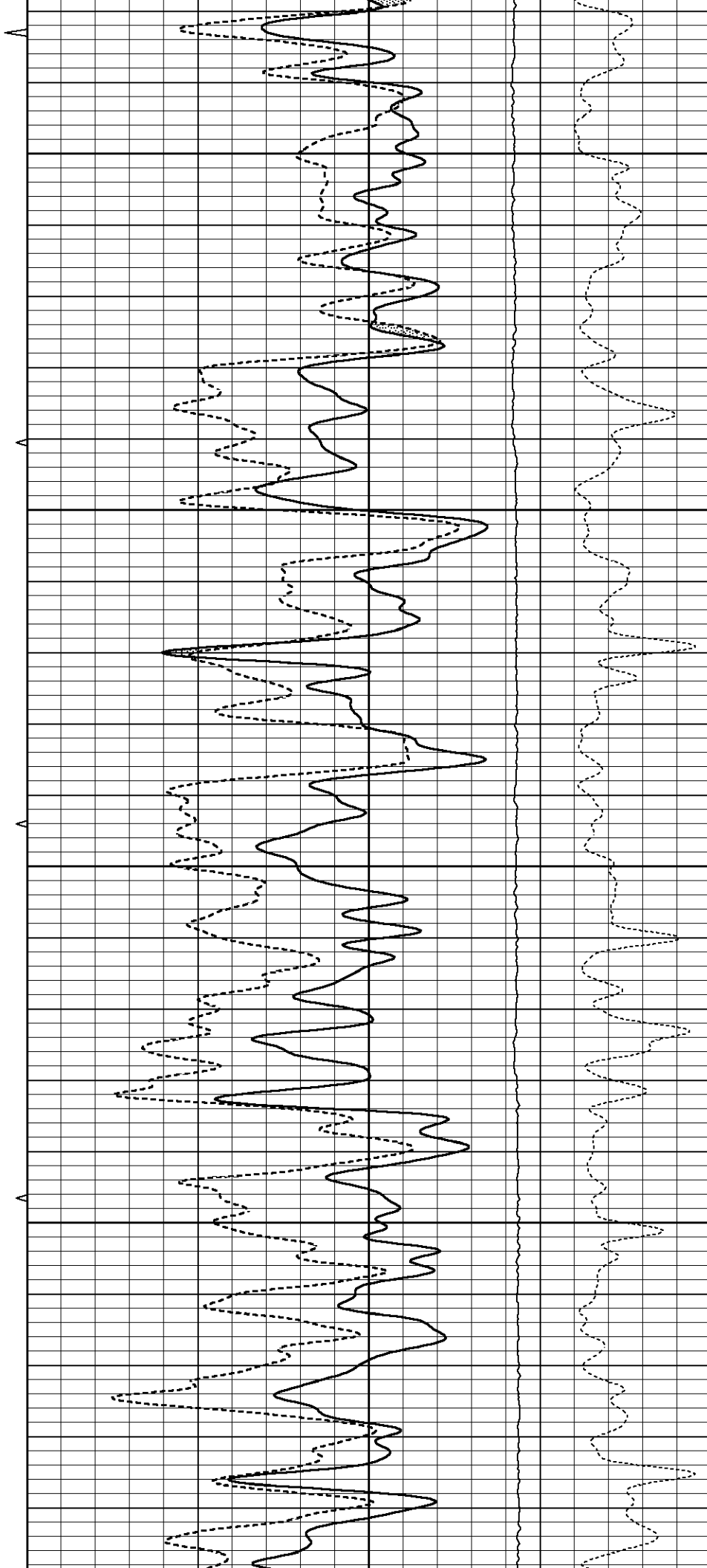


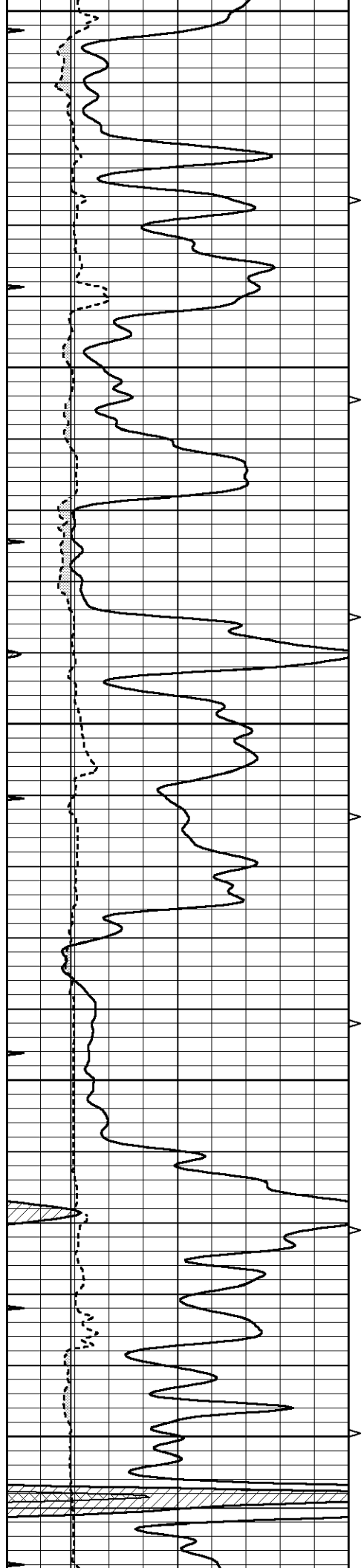
3800

3850

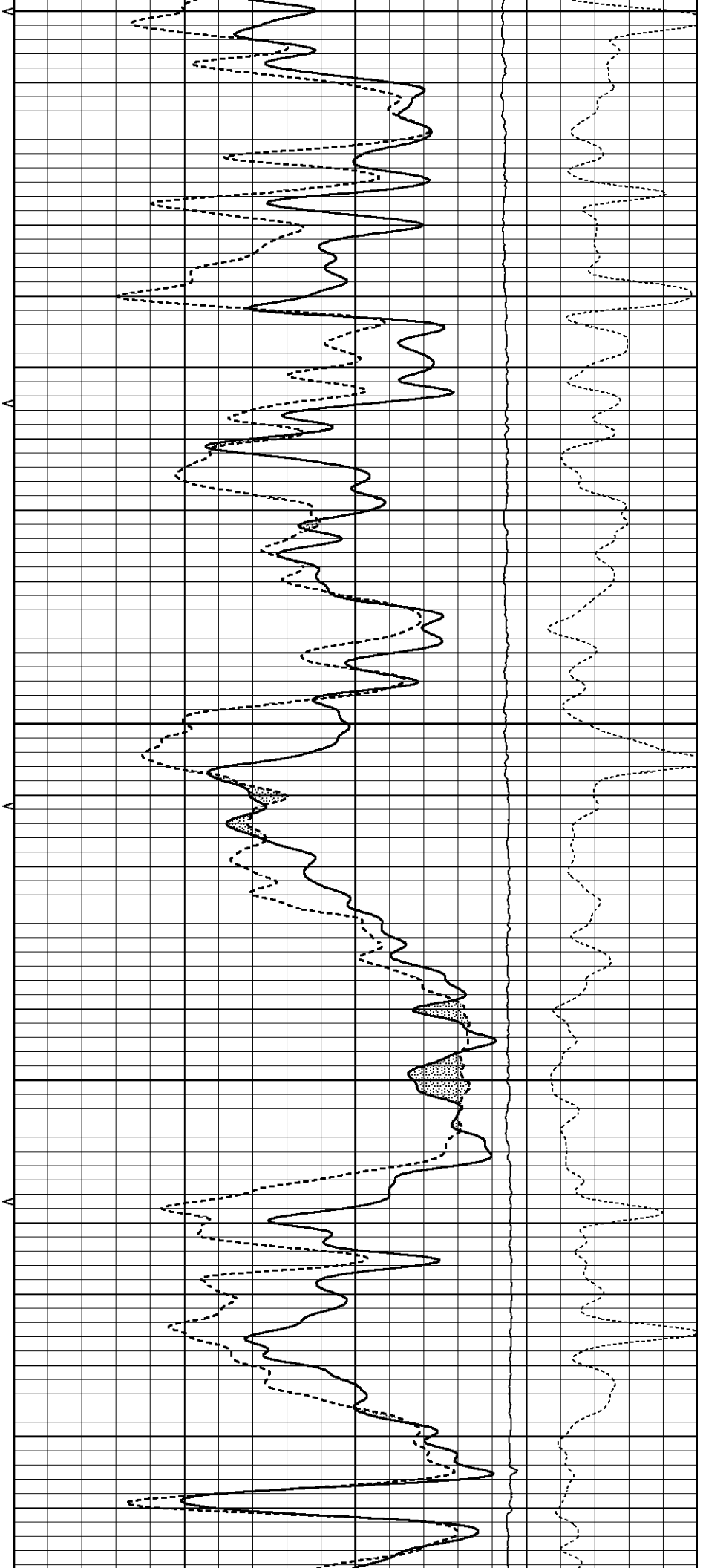
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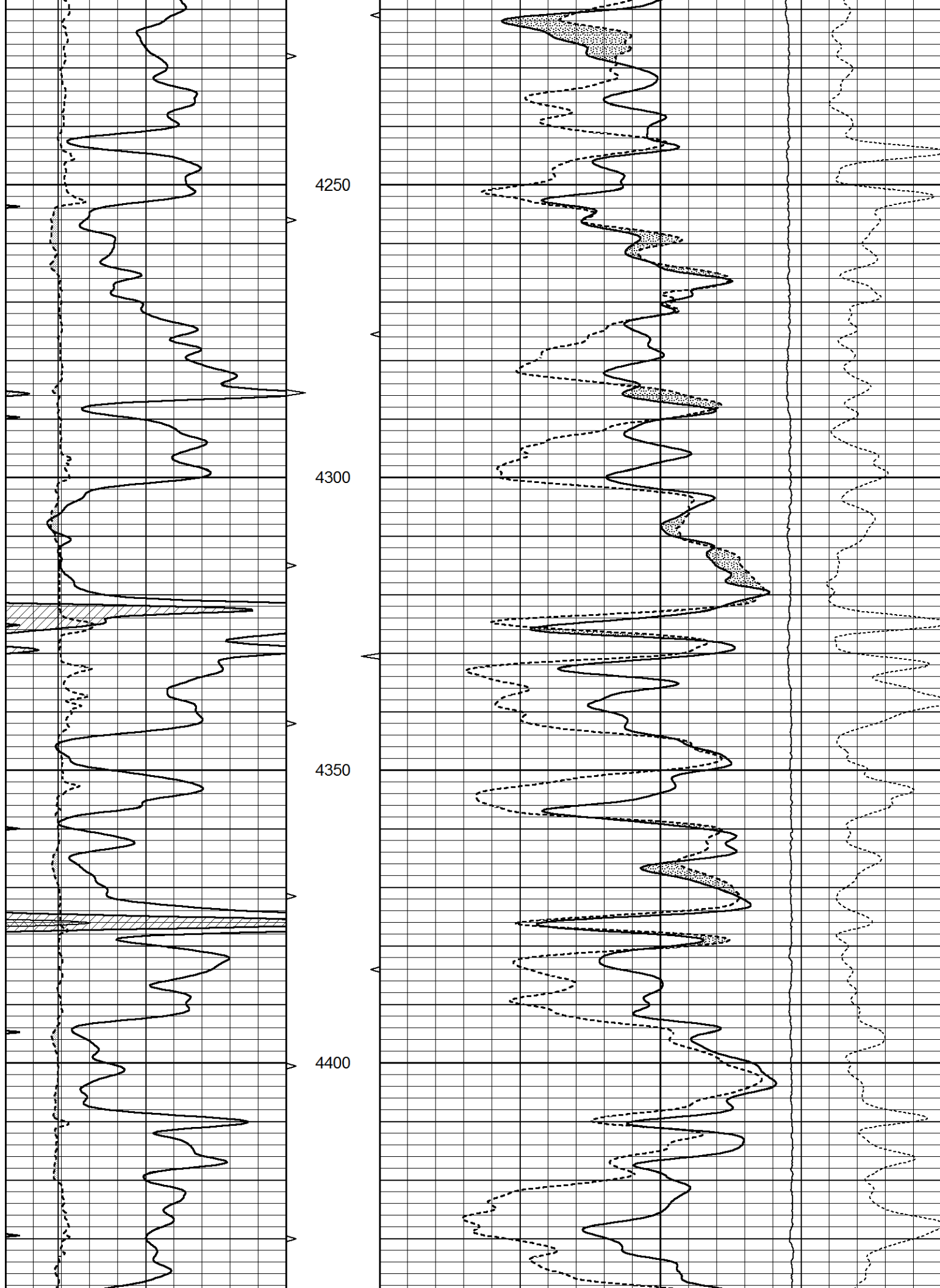
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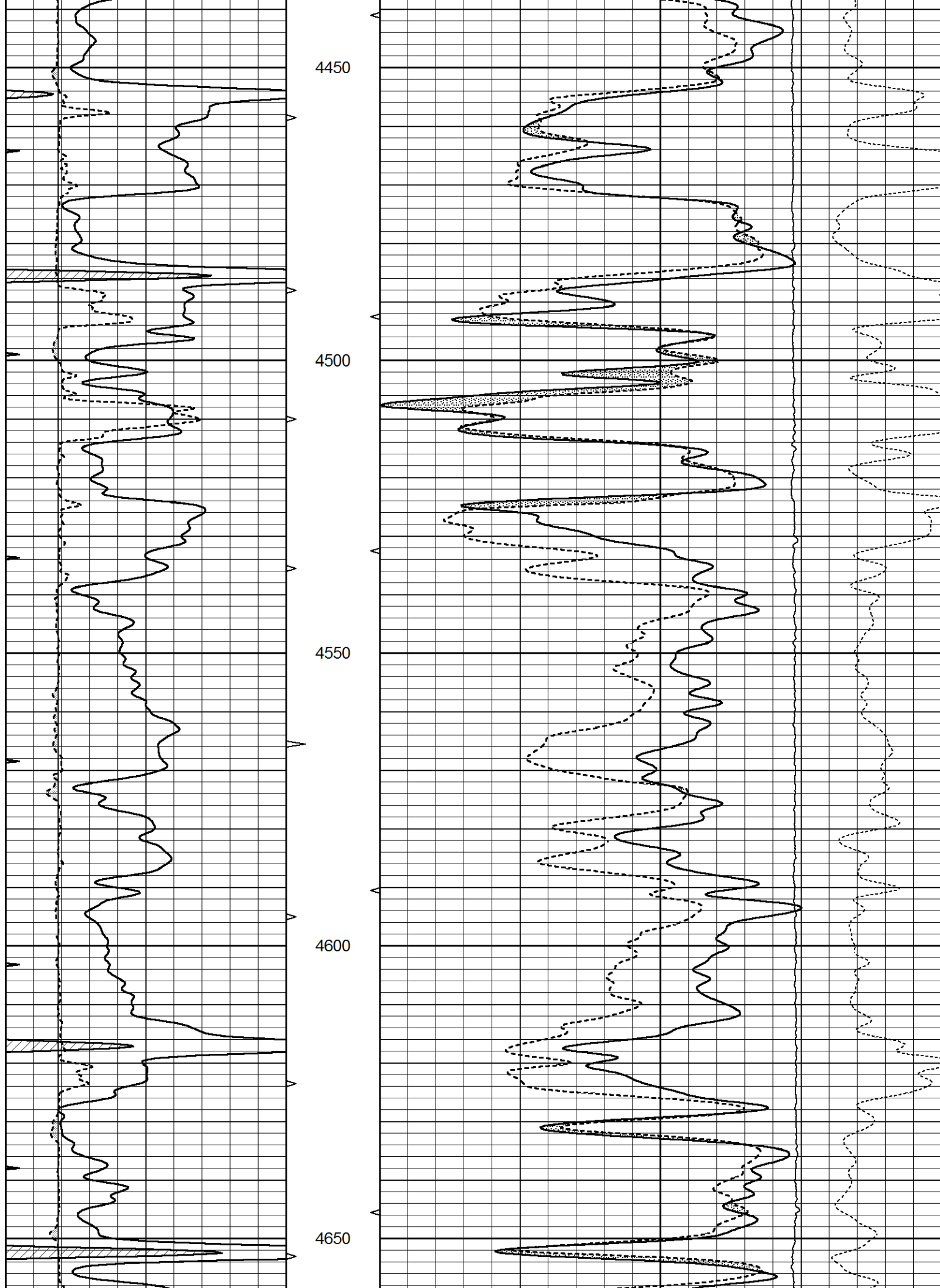


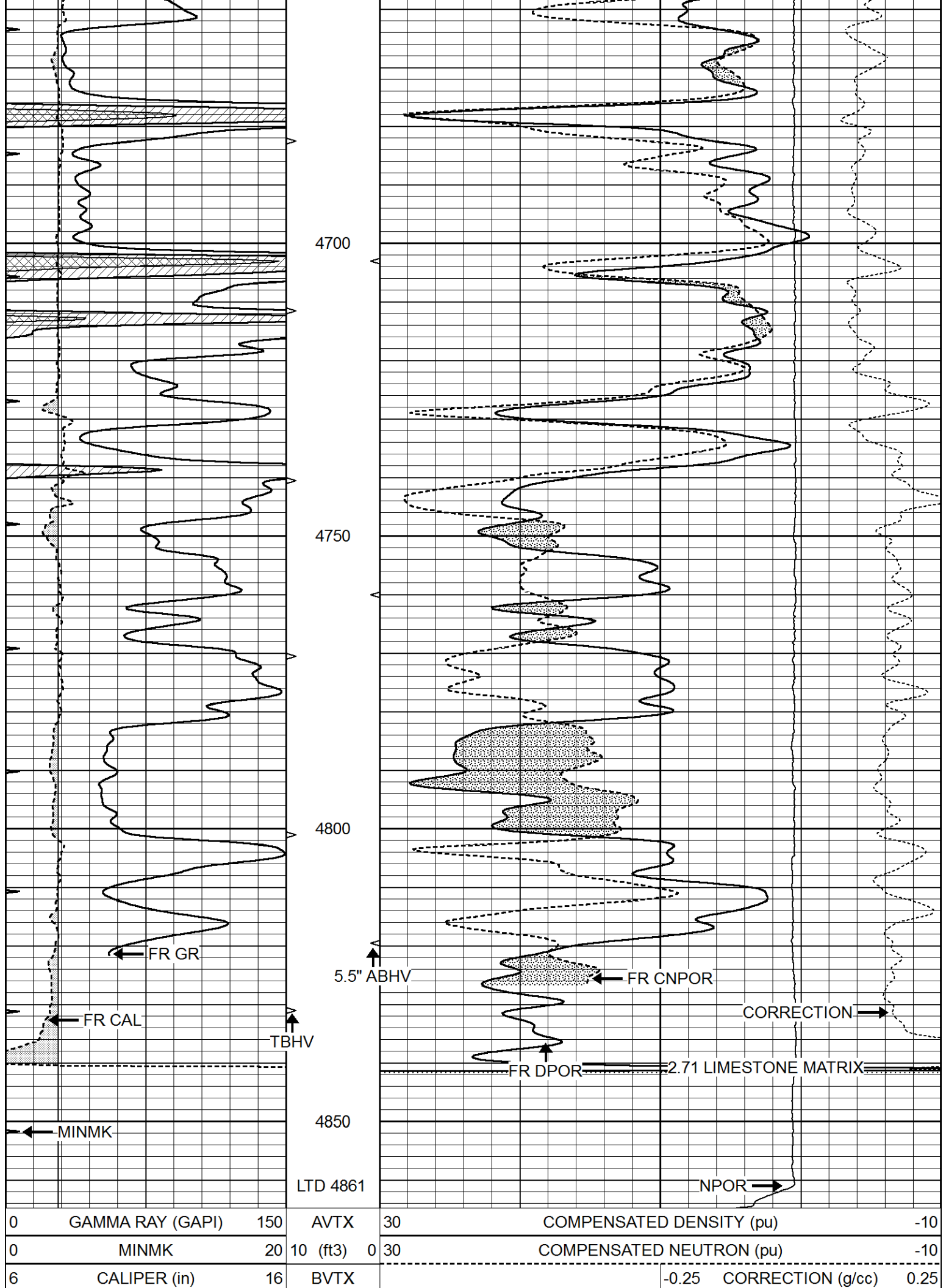


4000
4050
4100
4150
4200







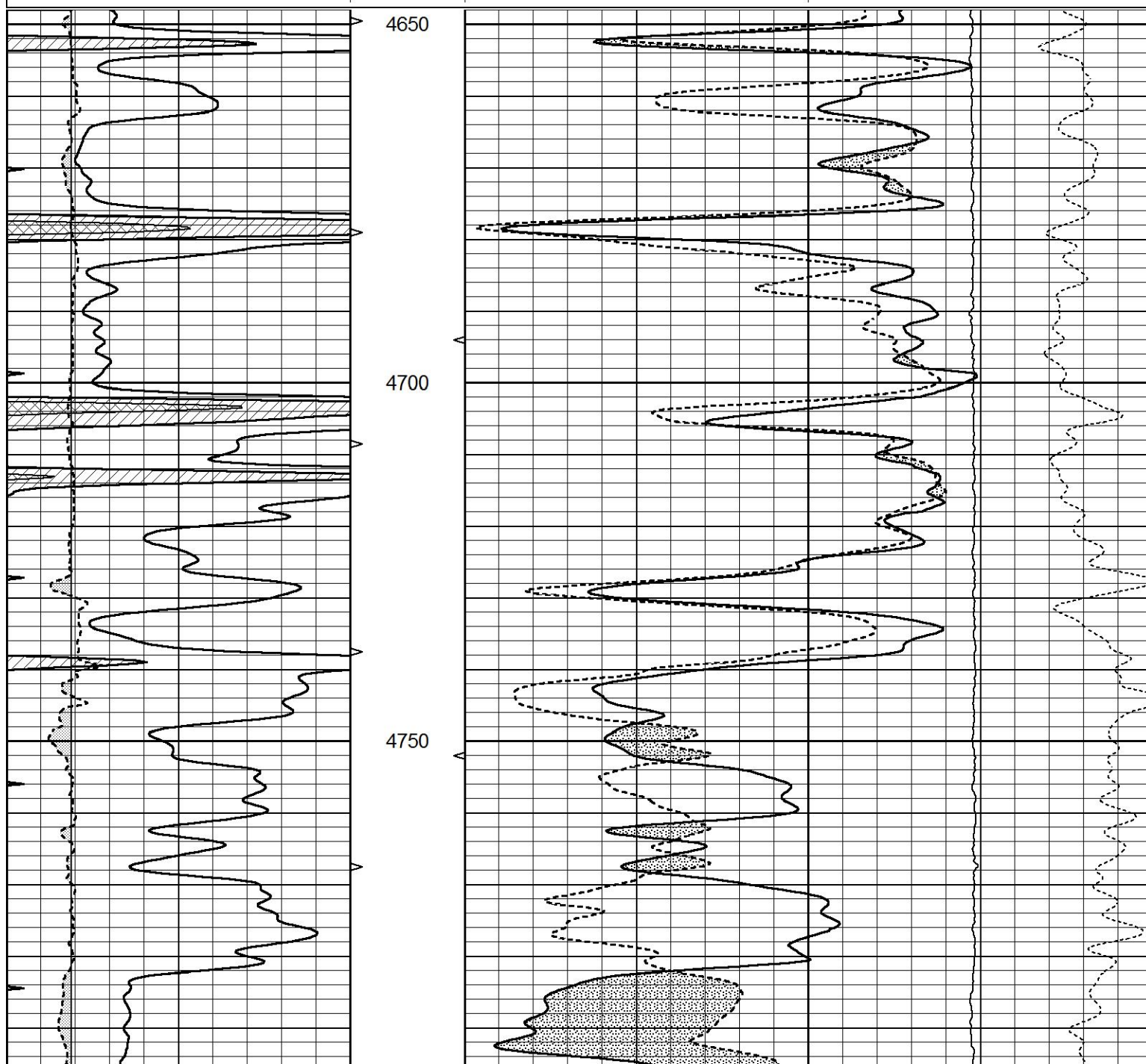


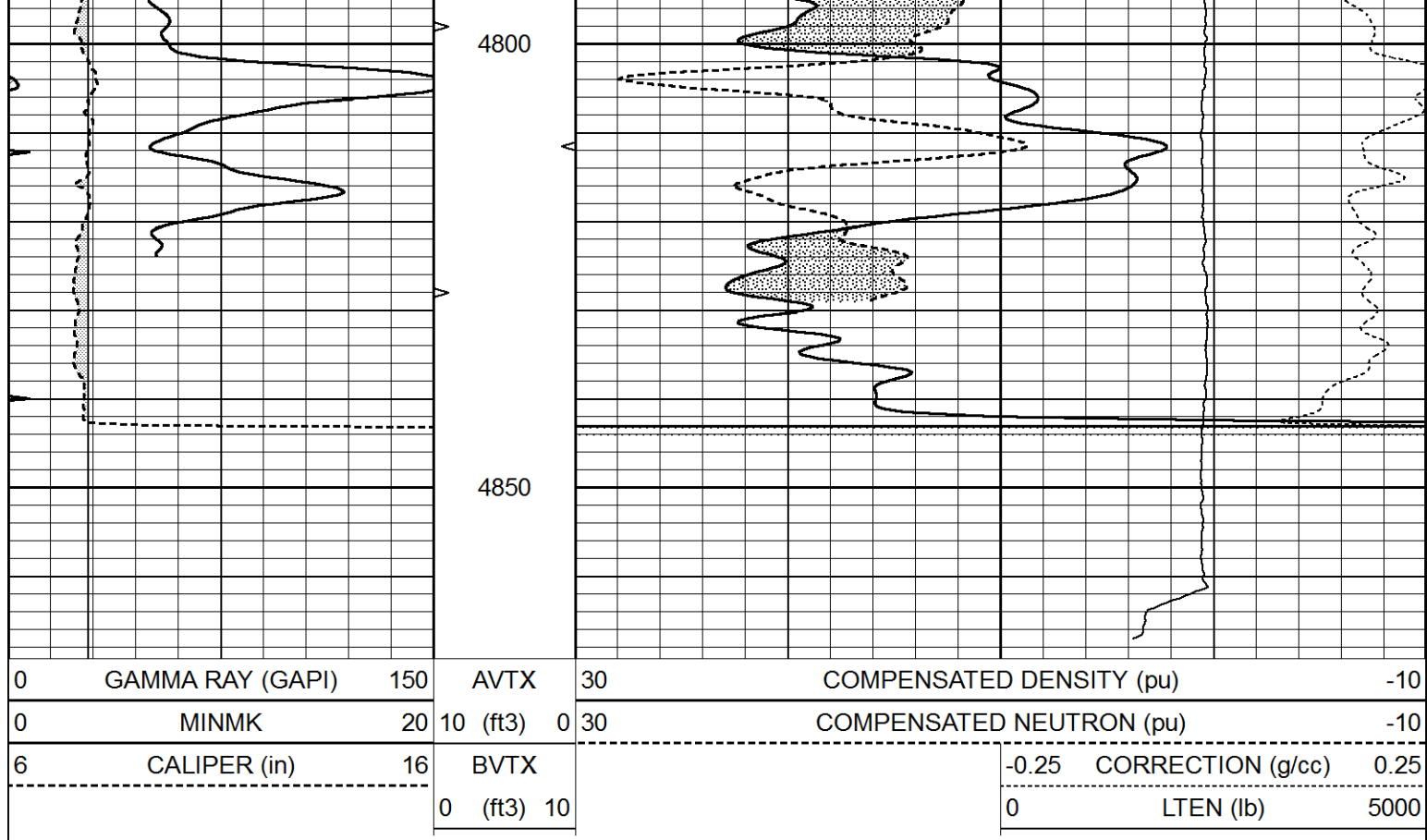


REPEAT SECTION

Database File 9739ddn.db
Dataset Pathname pass2.R
Presentation Format _den_neu
Dataset Creation Tue Dec 02 01:22:28 2025
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





	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.647	301.329	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	38.256	411.013	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: 003			Model: PRB					

Master Calibration			Performed Fri Aug 01 11:20:47 2025					
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	1424.0	7274.5	2614.8	2400.8			cps	
Window 2	1319.8	6538.4	2382.0	2203.6			cps	
Window 3	1217.6	5121.1	2012.2	1909.9			cps	
Window 4	332.0	333.7	334.9	328.8			cps	
Long Space	0.0	5218.6	1062.2	883.8			cps	
Short Space	1.8	2242.5	1399.2	1191.8			cps	
Rho		1.7100	2.5900	0.0000			g/cc	
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 43.5	Rib Slope	: 0.949	Density/Spine Ratio			: 0.530	
Spine Angle	: 73.5	Spine Slope	: 3.375	Spine Intercept			: -17.5	

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:			080621PMC					
Tool Model:			NABORS					

PRE-SURVEY VERIFICATION								
Detector	Readings	Measured	Target					

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:	46001		
Tool Model:	Probe1		
Performed:	Thu Apr 20 09:55:57 2023		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.4300	GAPI/cps	