



COMPENSATED
DENSITY/NEUTRON
PE LOG

Company		HERMAN L. LOEB, LLC.	
Well		NINA #2-10	
Field		FRALICK WEST	
County		KIOWA	State
KANSAS			
Location:		API #: 15-097-21864-0000	
Permanent Datum		GROUND LEVEL Elevation 2312	
Log Measured From		KELLY BUSHING 11' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 10 TWP 28S RGE 20W		Elevation	
		K.B. 2323	
		D.F. 2321	
		G.L. 2312	
Date	11/19/22		
Run Number	ONE		
Depth Driller	5000		
Depth Logger	5000		
Bottom Logged Interval	4976		
Top Log Interval	4000		
Casing Driller	8 5/8" @ 535		
Casing Logger	535		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 7.000 PPM	
Density / Viscosity	9.5/55		
pH / Fluid Loss	10.5/10.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.80 @ 64F		
Rmf @ Meas. Temp	1.35 @ 64F		
Rmc @ Meas. Temp	2.16 @ 64F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.922 @ 125F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	11:30 P.M.		
Maximum Recorded Temperature	125F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	COLE ROBEN		
Witnessed By	JON CHRISTENSEN		

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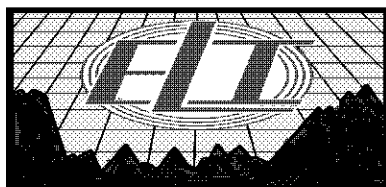
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

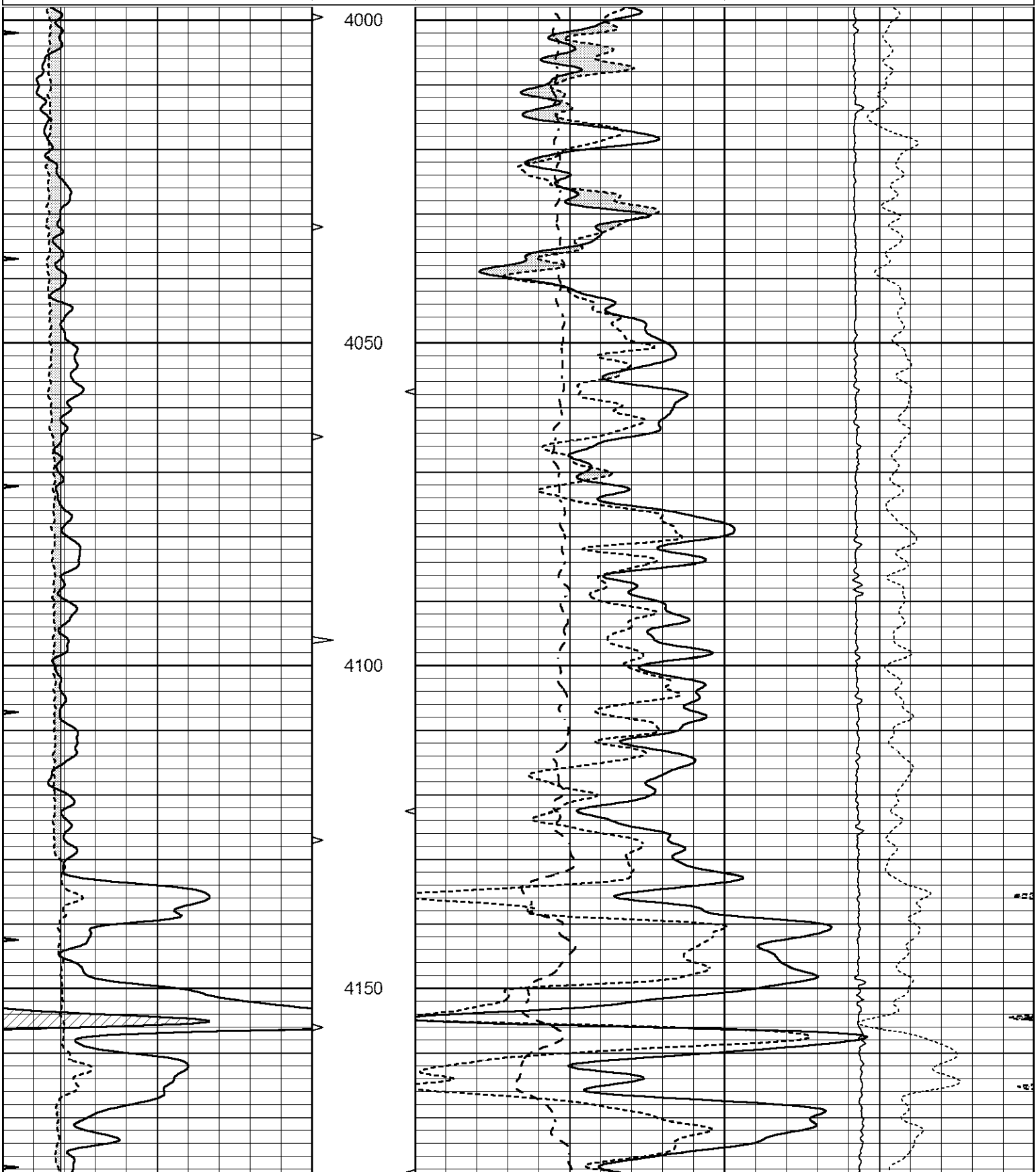
FROM MULLINVILLE GO NORTH ON TENTH AVENUE FOR 1.5 MILES, WEST ON 15 ST FOR 1.5 MILE
NORTH ON SEVENTH AVE 1 MILE, EAST INTO

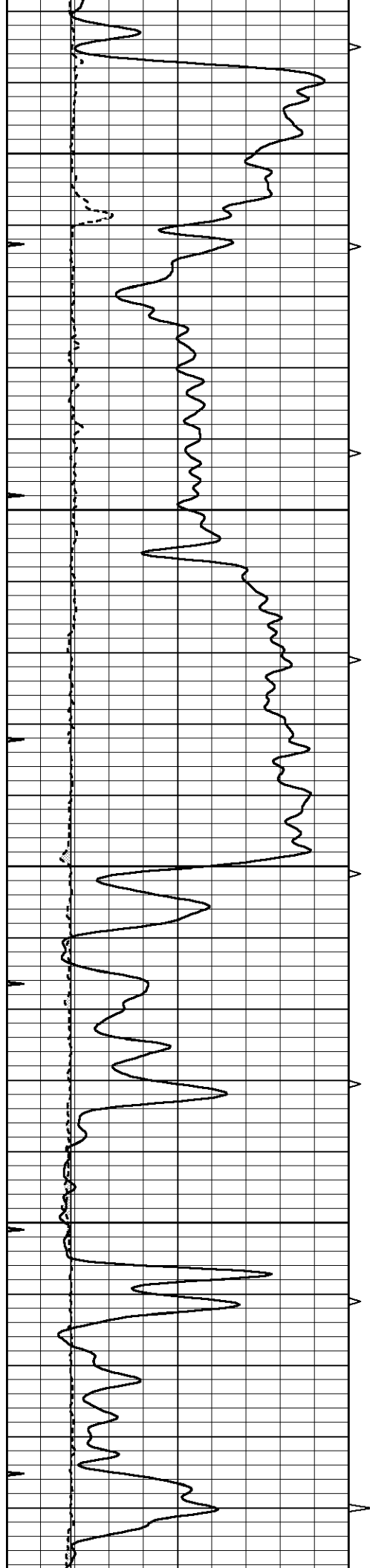


MAIN SECTION

Database File	7379pe.db
Dataset Pathname	pass3.2
Presentation Format	_ldt_neu
Dataset Creation	Sun Nov 20 00:57:03 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 (ft3)	10	-0.25	CORRECTION (g/cc)
					0	LTEN (lb)
						5000



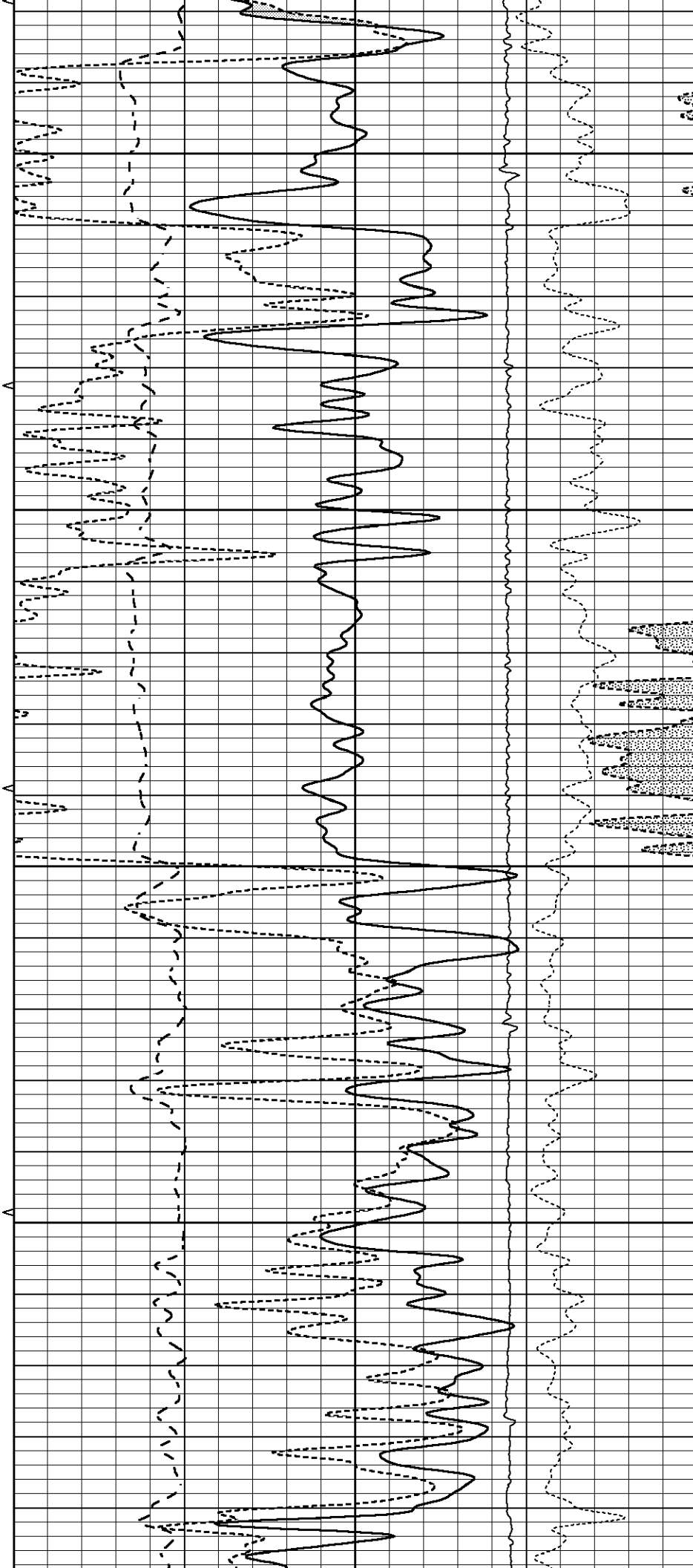


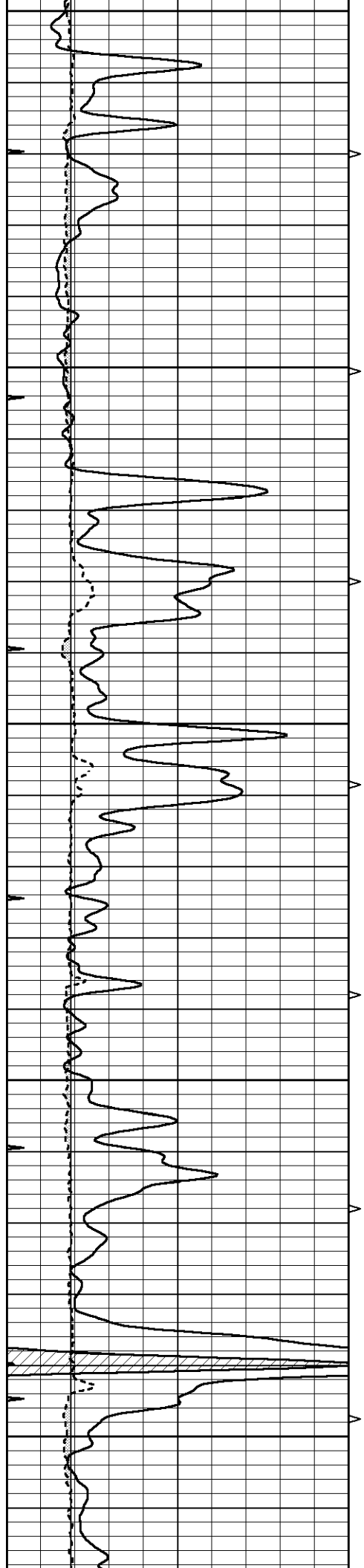
4200

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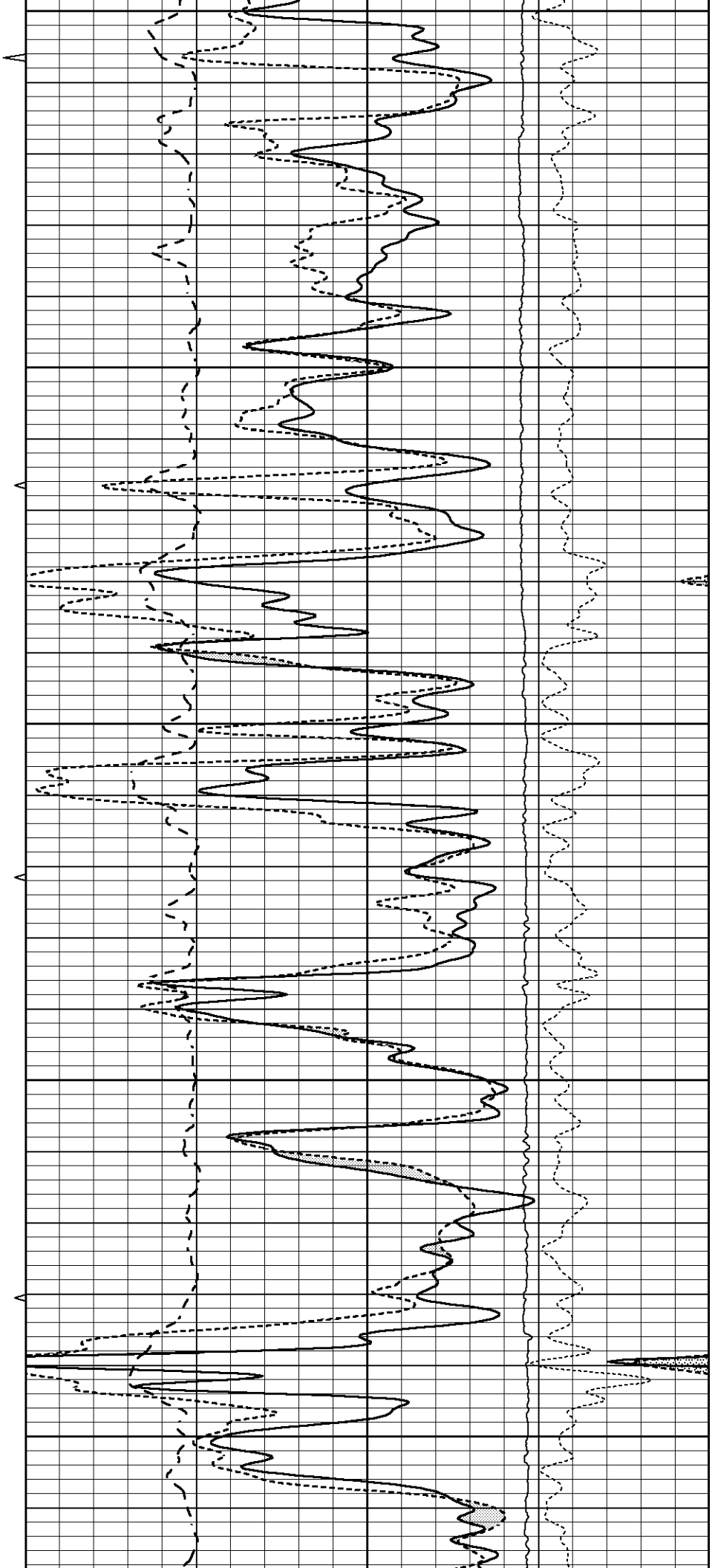
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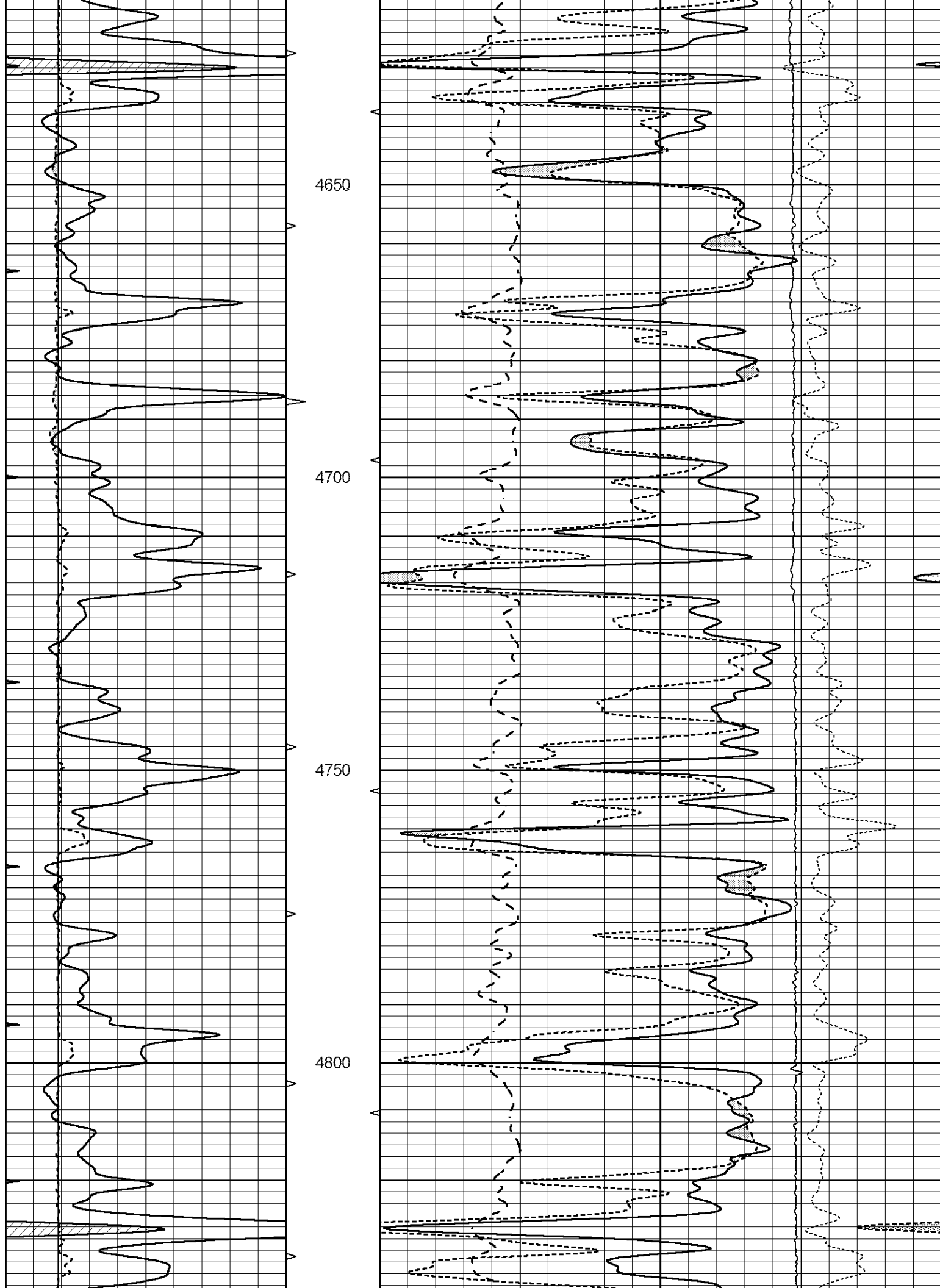
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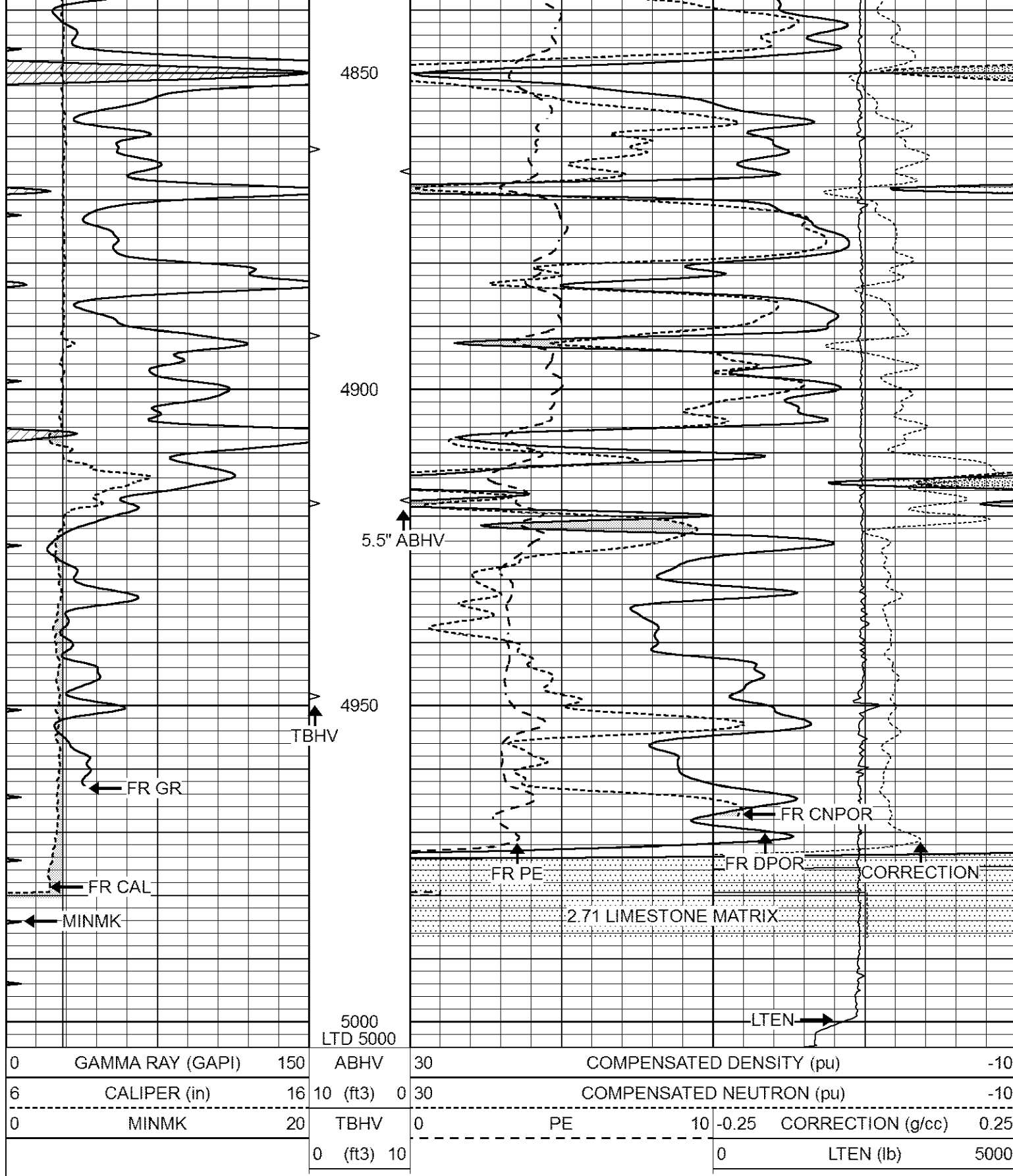




4400
4450
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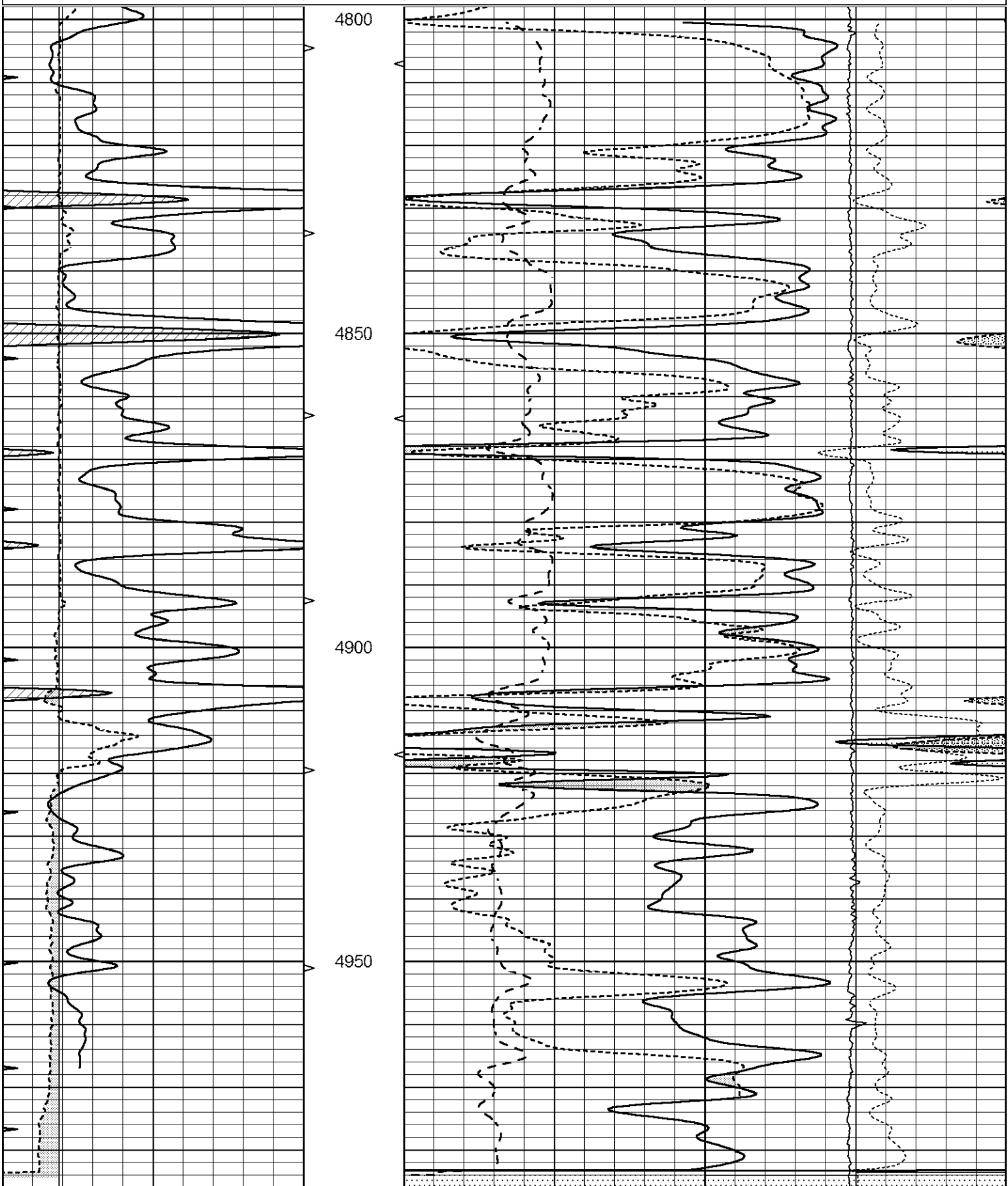






REPEAT SECTION

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



	Background	Aluminum	Magnesium		
Window 1	501.98	5377.33	23235.87	cps	
Window 2	38.66	1167.13	5462.52	cps	
Window 4	219.95	1265.38	5296.65	cps	
Window 5	535.47	7345.58	14269.59	cps	
Window 6	42.48	1172.64	2113.12	cps	
Window 8	252.82	2368.74	4743.90	cps	
Bulk Density	-	2.6020	1.6830	g/cc	
Pe	-	3.0000	2.5070	b/e	
LS Alpha:	: -1.8018	SS Alpha:	: -0.8503	LS CPE:	: 1.2527
LS Beta:	: 116585.8005	SS Beta:	: 19984.2984	SS CPE:	: 1.5732

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: Tue Oct 25 14:02:07 2022	
Results	Readings	References (in)			
Low	High	Low	High	Gain	Offset
9378.6	12243.0	8.0	14.0	0.0	-11.9

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					
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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	