



COMPENSATED DENSITY / NEUTRON PE LOG

Company	UNION VALLEY PETROLEUM CORP.		
Well	ALVIN #9		
Field	CALDWELL WEST		
County	SUMNER		
State	KANSAS		
Location:	API # : 15-191-22871-0000		Other Services
	1521' FSL & 330' FEL NE - SE - NE - SE		DIL/MEL
Permanent Datum	GROUND LEVEL	Elevation	1145
Log Measured From	KELLY BUSHING	13' A.G.L	
Drilling Measured From	KELLY BUSHING		
Date	4/29/26		
Run Number	ONE		
Depth Driller	4930		
Depth Logger	4926		
Bottom Logged Interval	4902		
Top Log Interval	3000		
Casing Driller	8.625@403		
Casing Logger	403		
Bit Size	7.785		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,600 PPM	
Density / Viscosity	9.3/42		
pH / Fluid Loss	11.5/6.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.600@72F		
Rmf @ Meas. Temp	.450@72F		
Rmc @ Meas. Temp	.720@72F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.348@124F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	10:15 P.M.		
Maximum Recorded Temperature	124F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	PAUL YOUNGBLOOD	DUSTY 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.

15-191-22871-0000

Comments

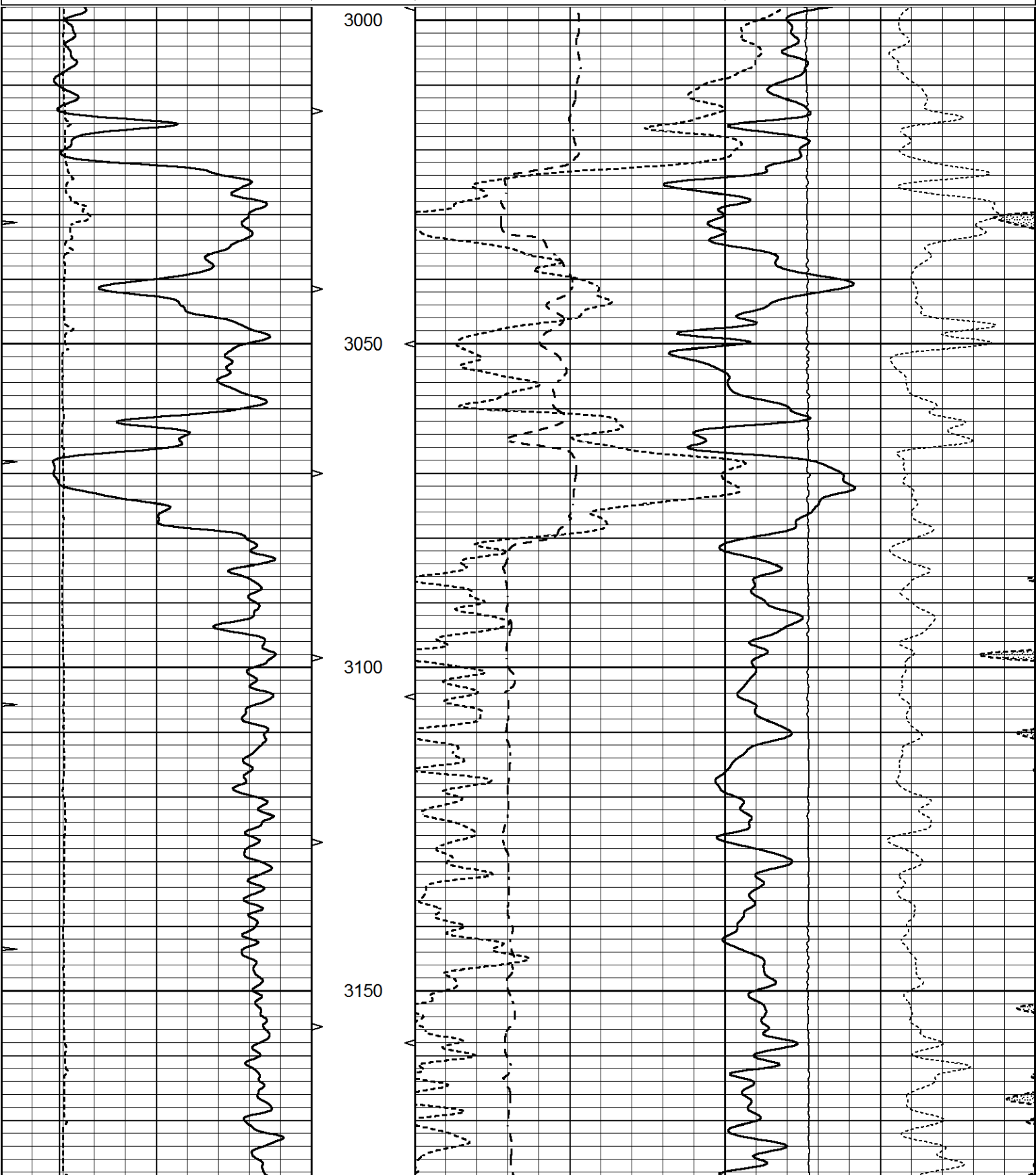
THANK YOU FOR USING ELI WIRELINE HAYS. KANSAS (785) 628-6395
DIRECTIONS
CALDWELL, KS., 3. ON 81 TO OSAGE, 5 1/2W. TO "CR 970", 1N. TO "W 200TH ST." 1 1/4E. TO GATE,
GO THROUGH NE GATE ANF FOLLOW LEASE RD, 2 MILES AND 3 MORE GATES

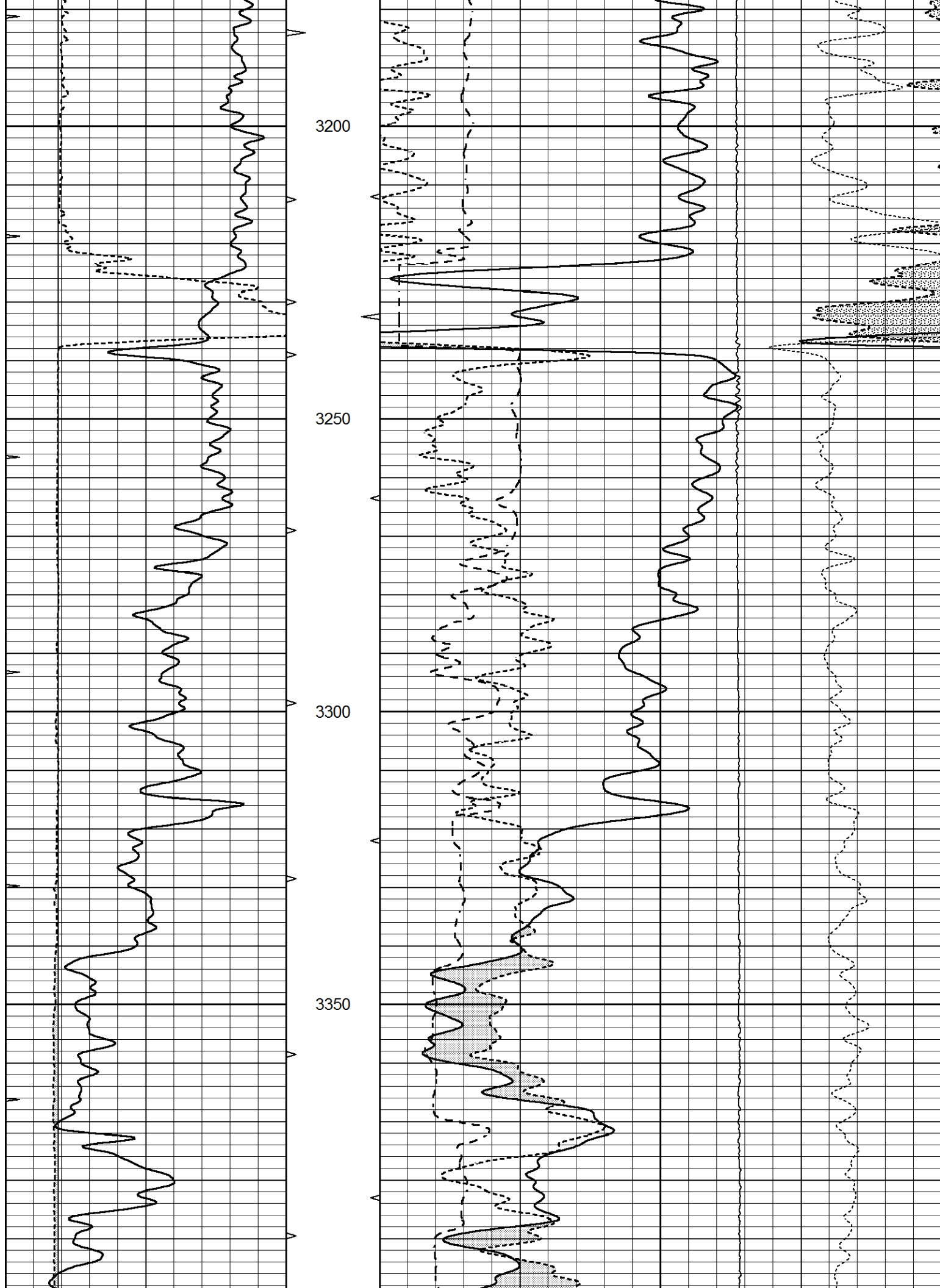


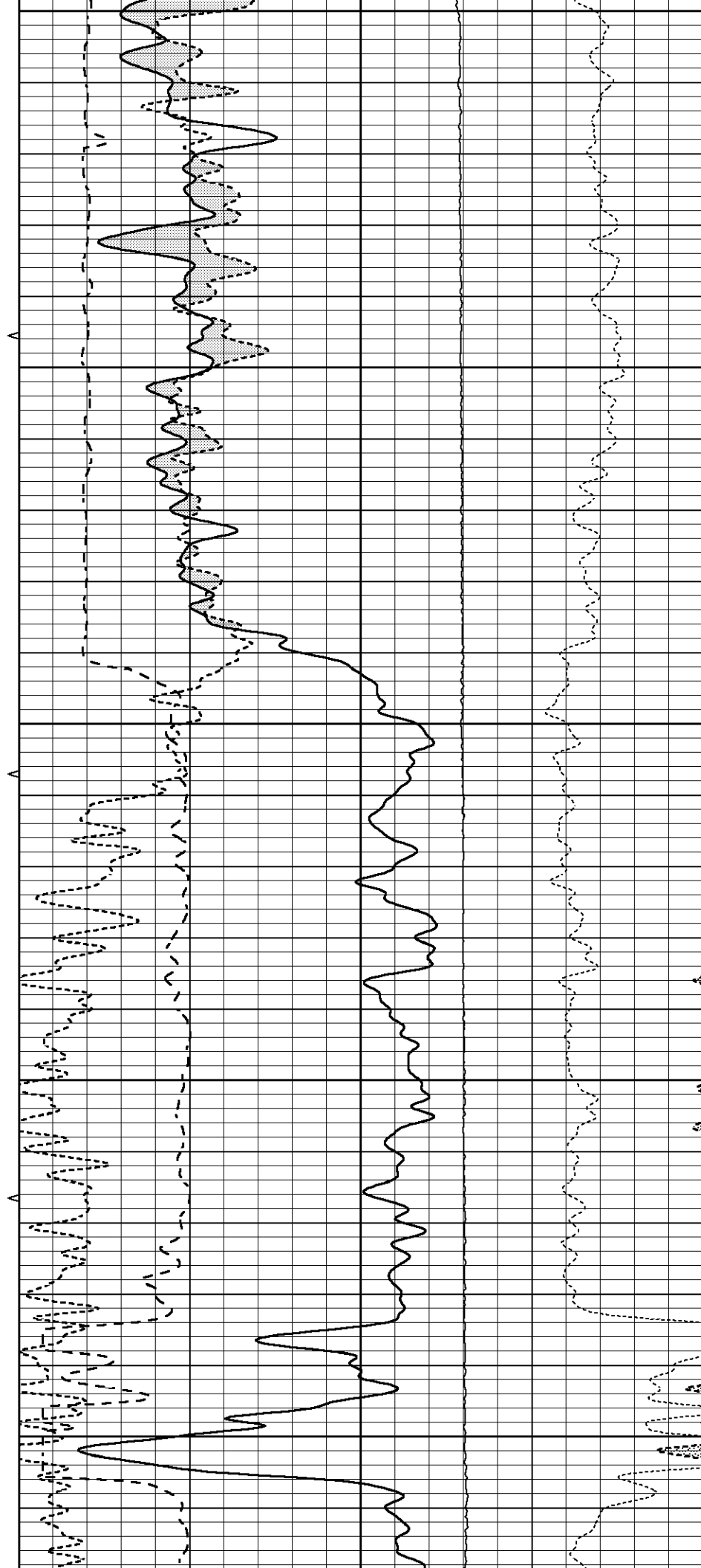
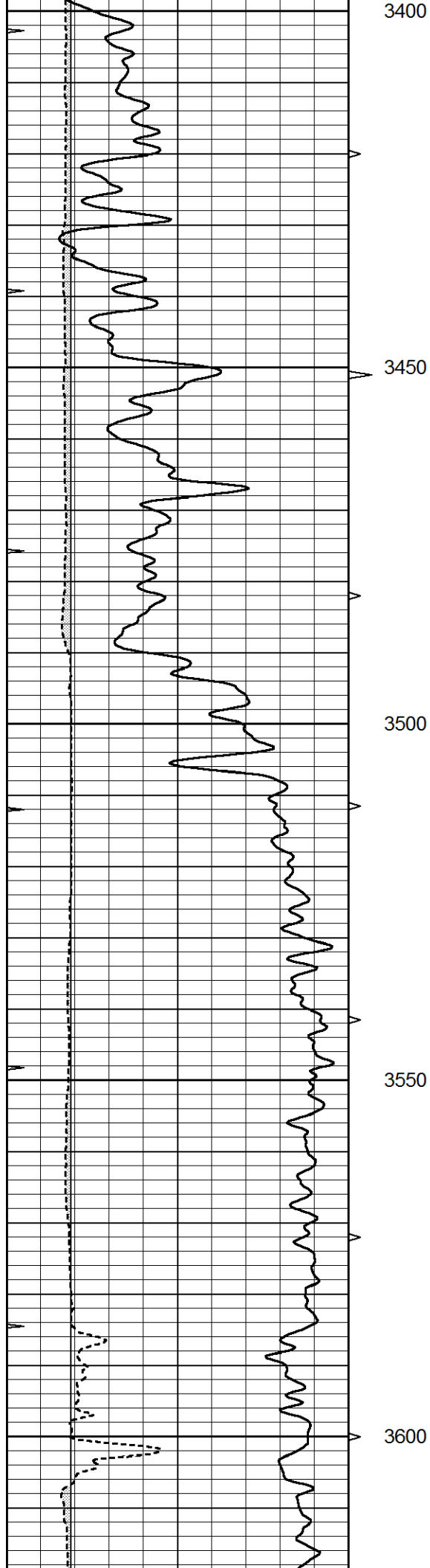
MAIN SECTION

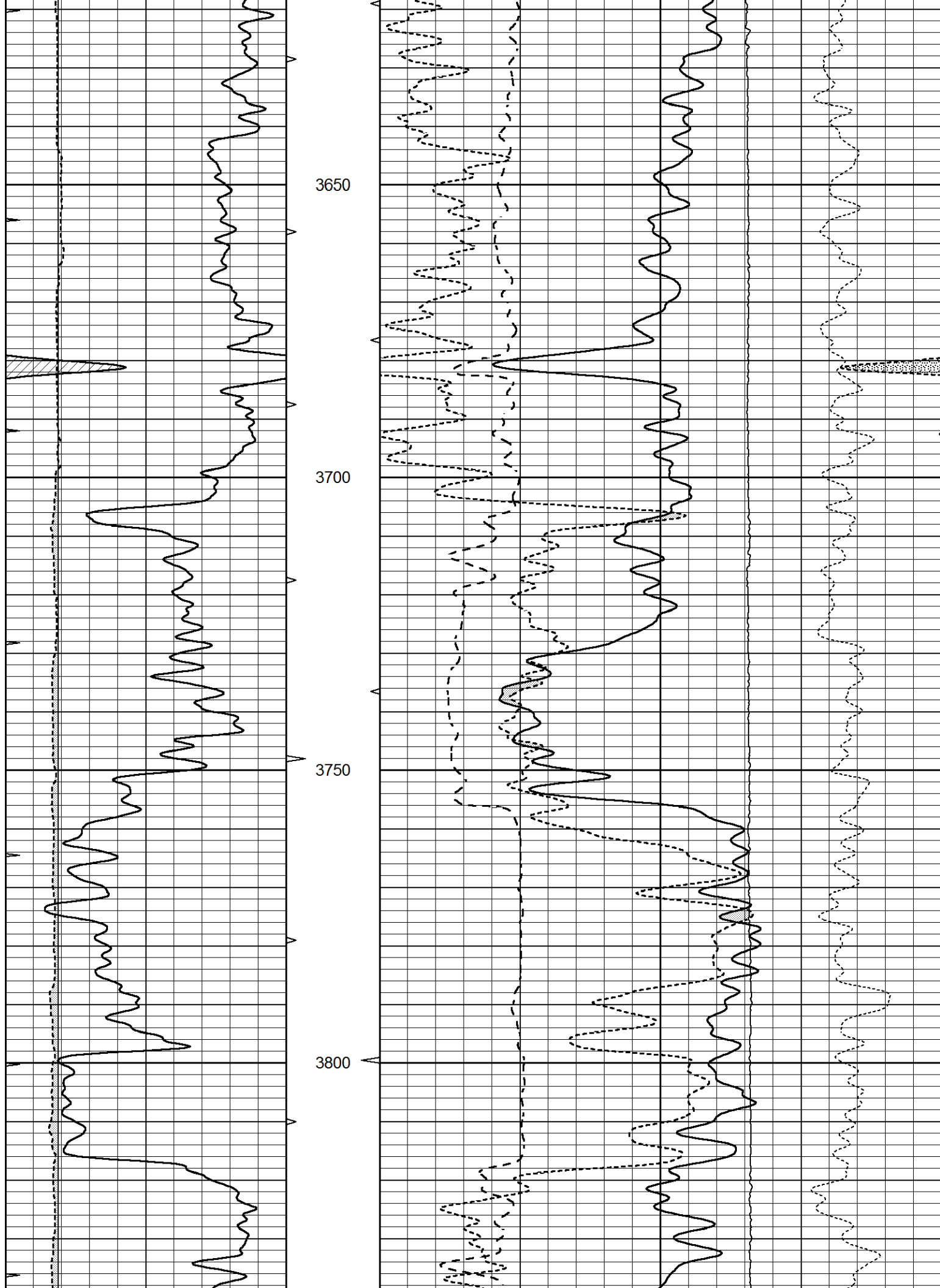
Database File	10006pe.db
Dataset Pathname	pass5.1M
Presentation Format	_ldt_neu
Dataset Creation	Thu Apr 30 00:20:39 2026
Charted by	Depth in Feet scaled 1:240

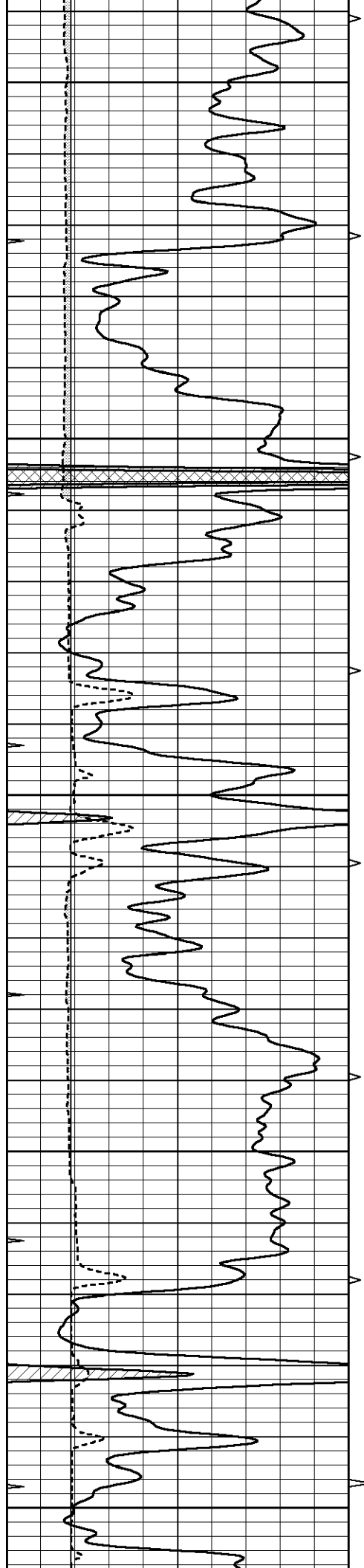
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10		0	LTEN (lb) 5000











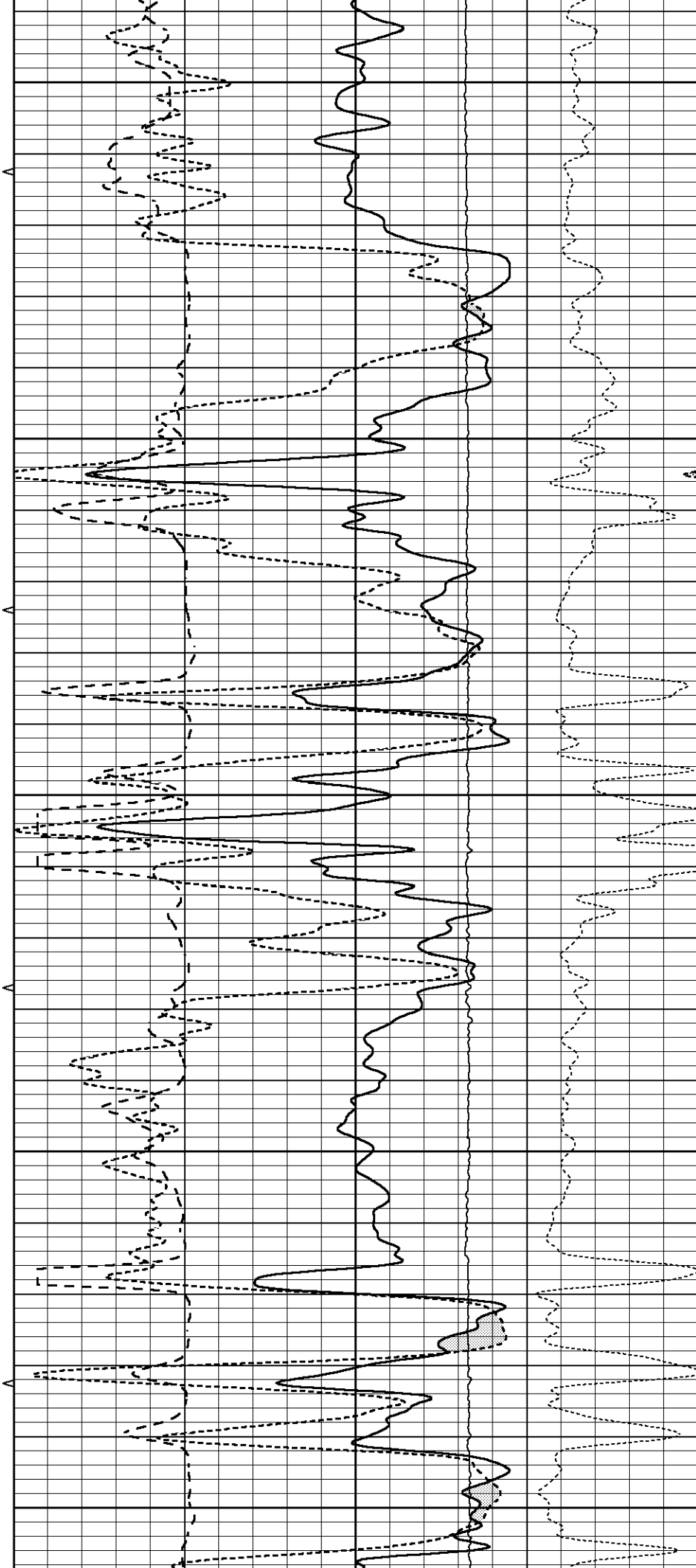
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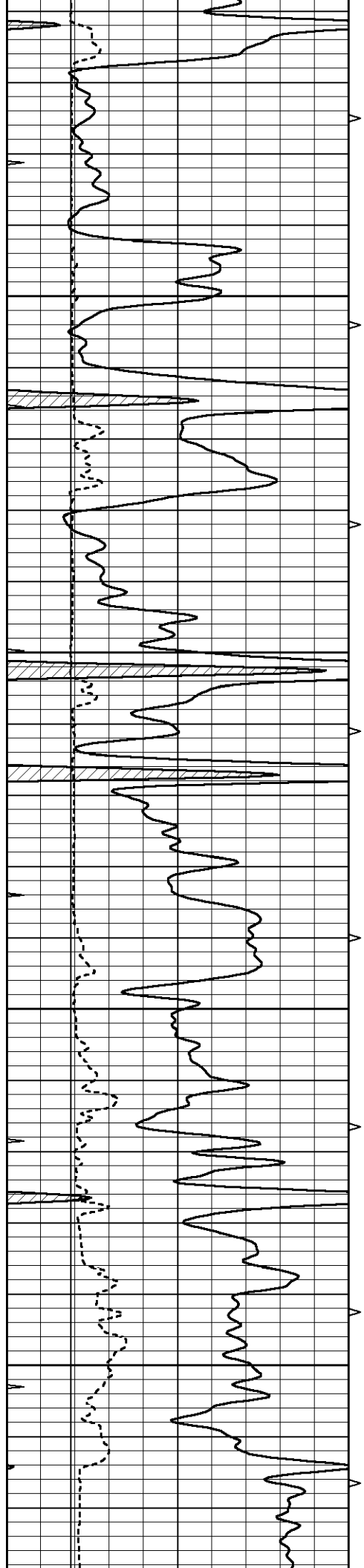
3900

3950

4000

4050



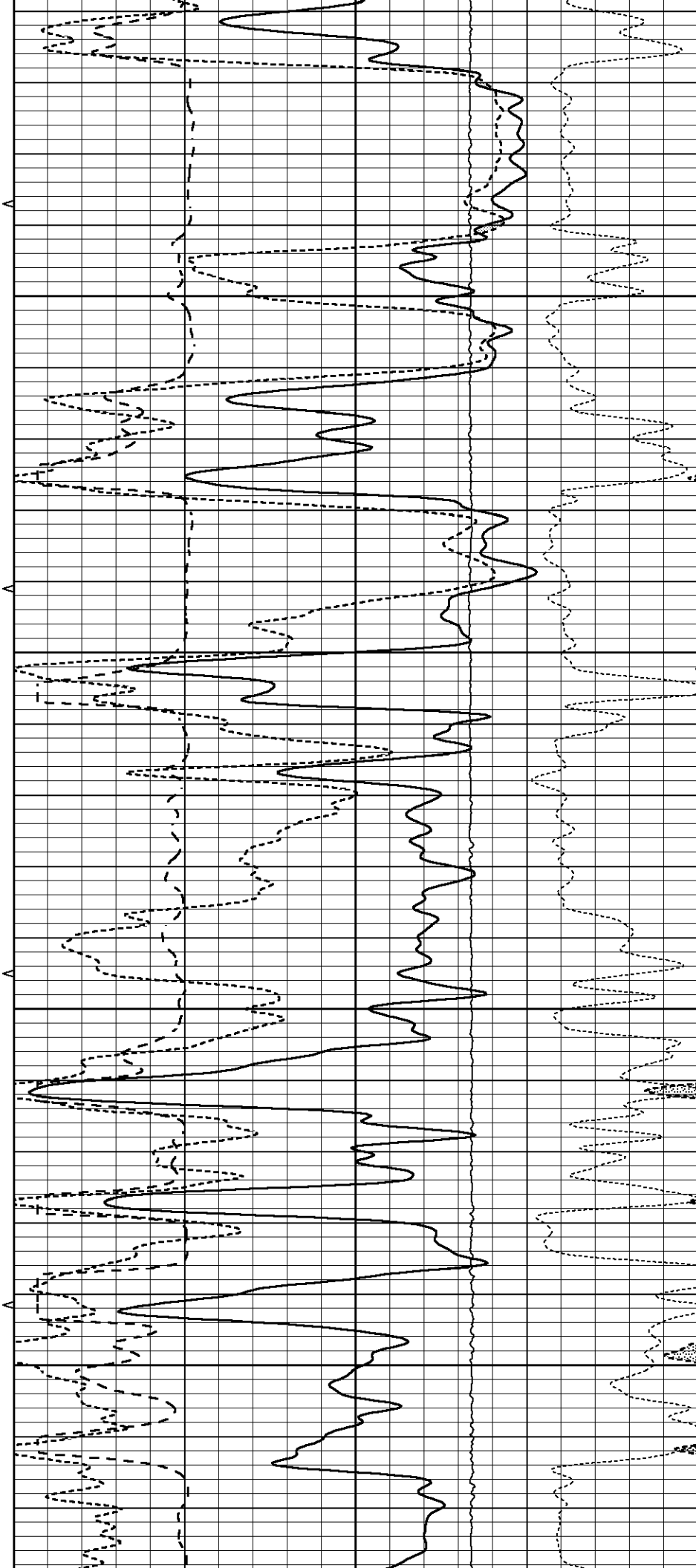


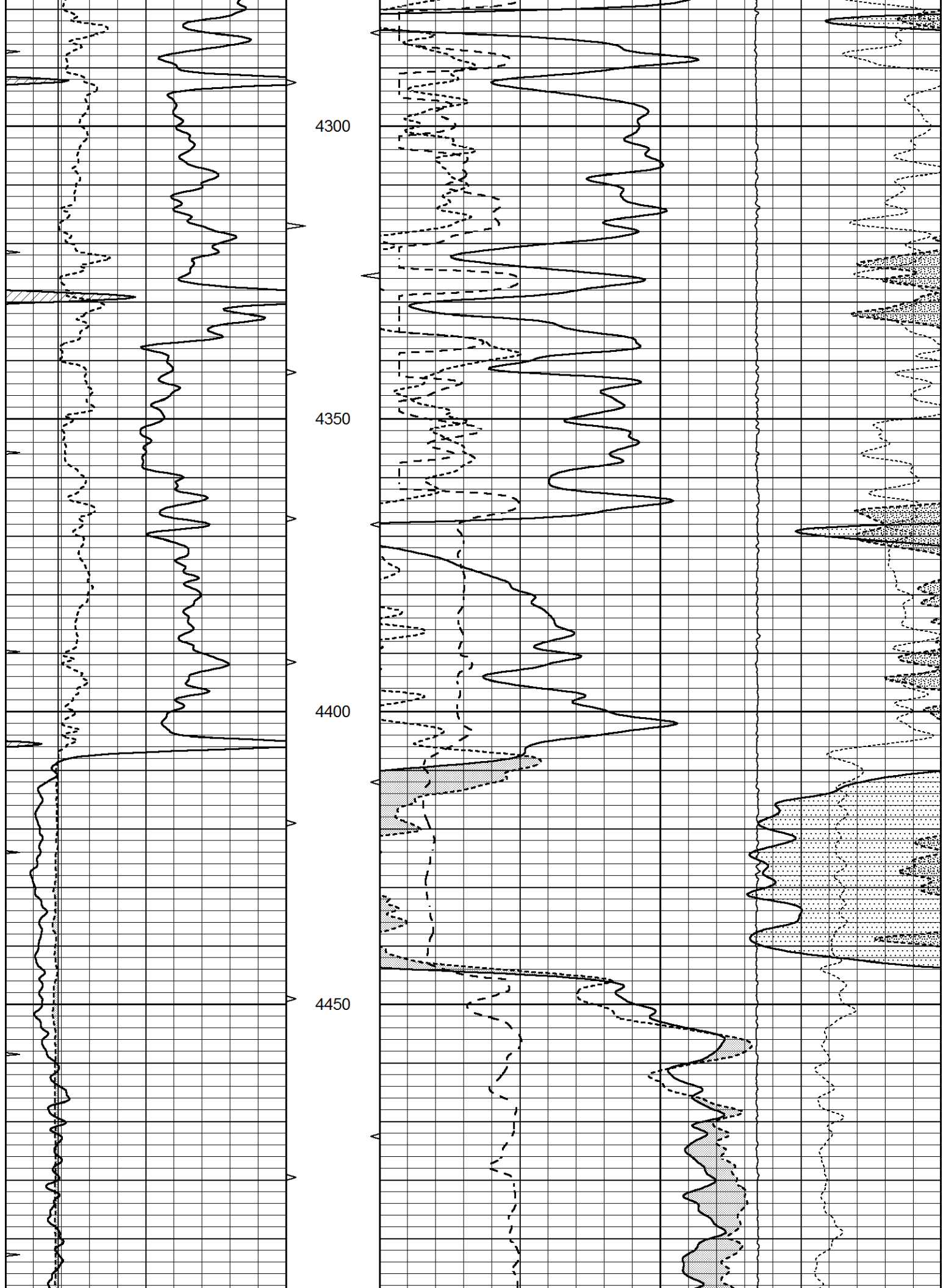
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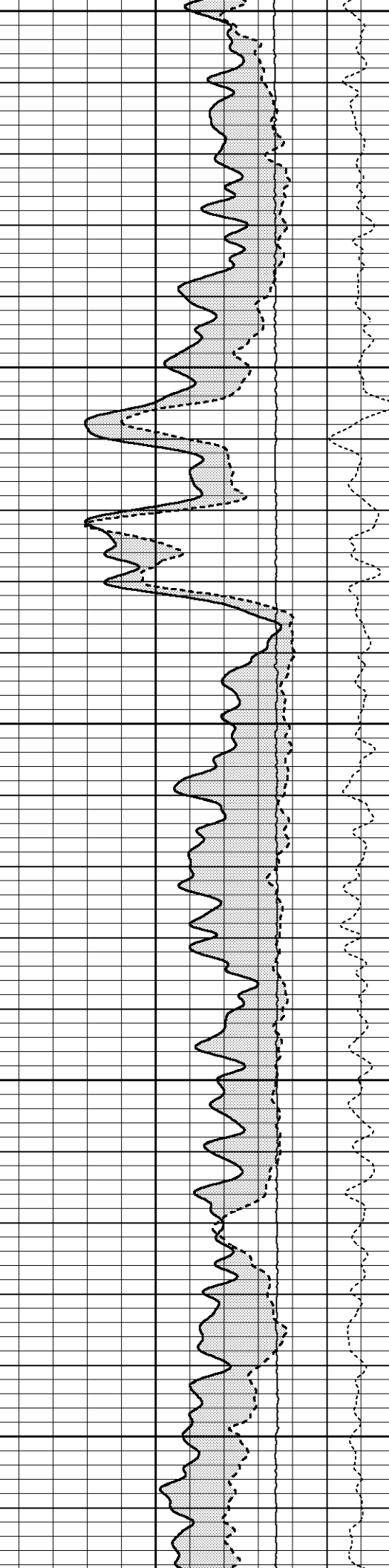
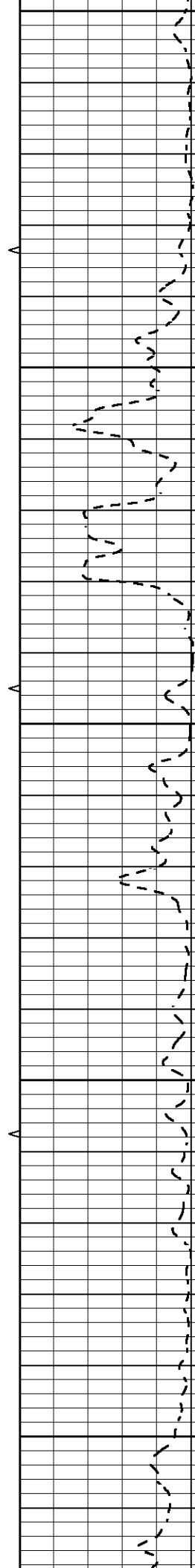
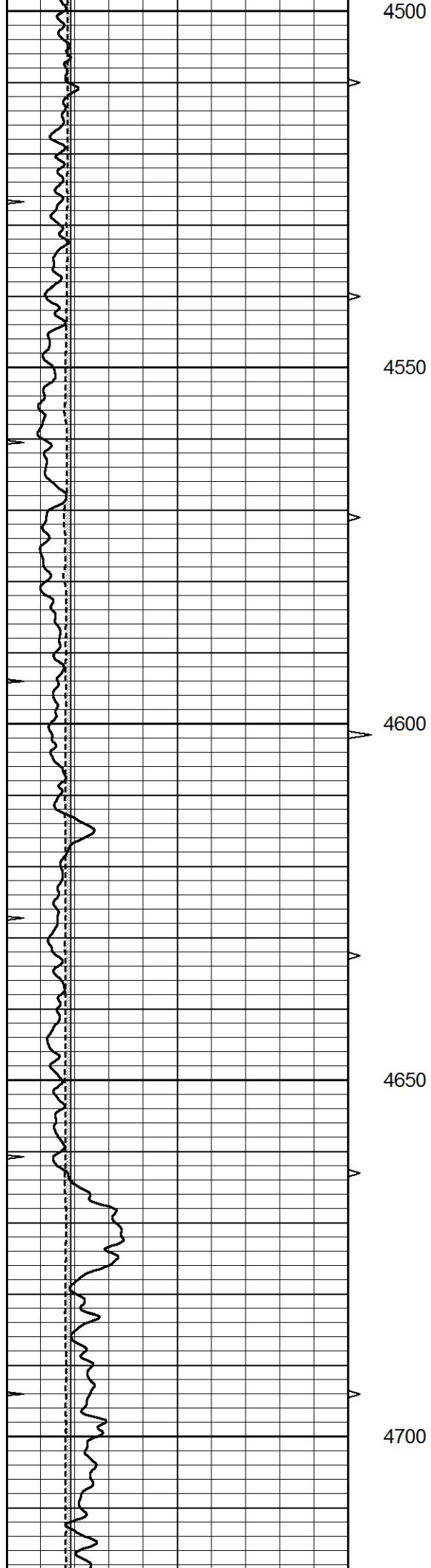
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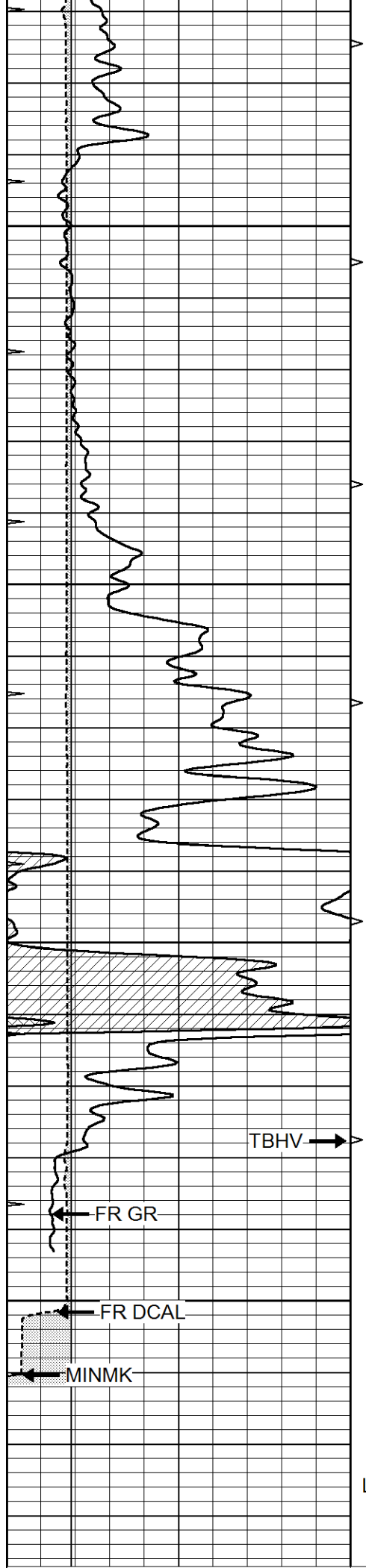
4200

4250









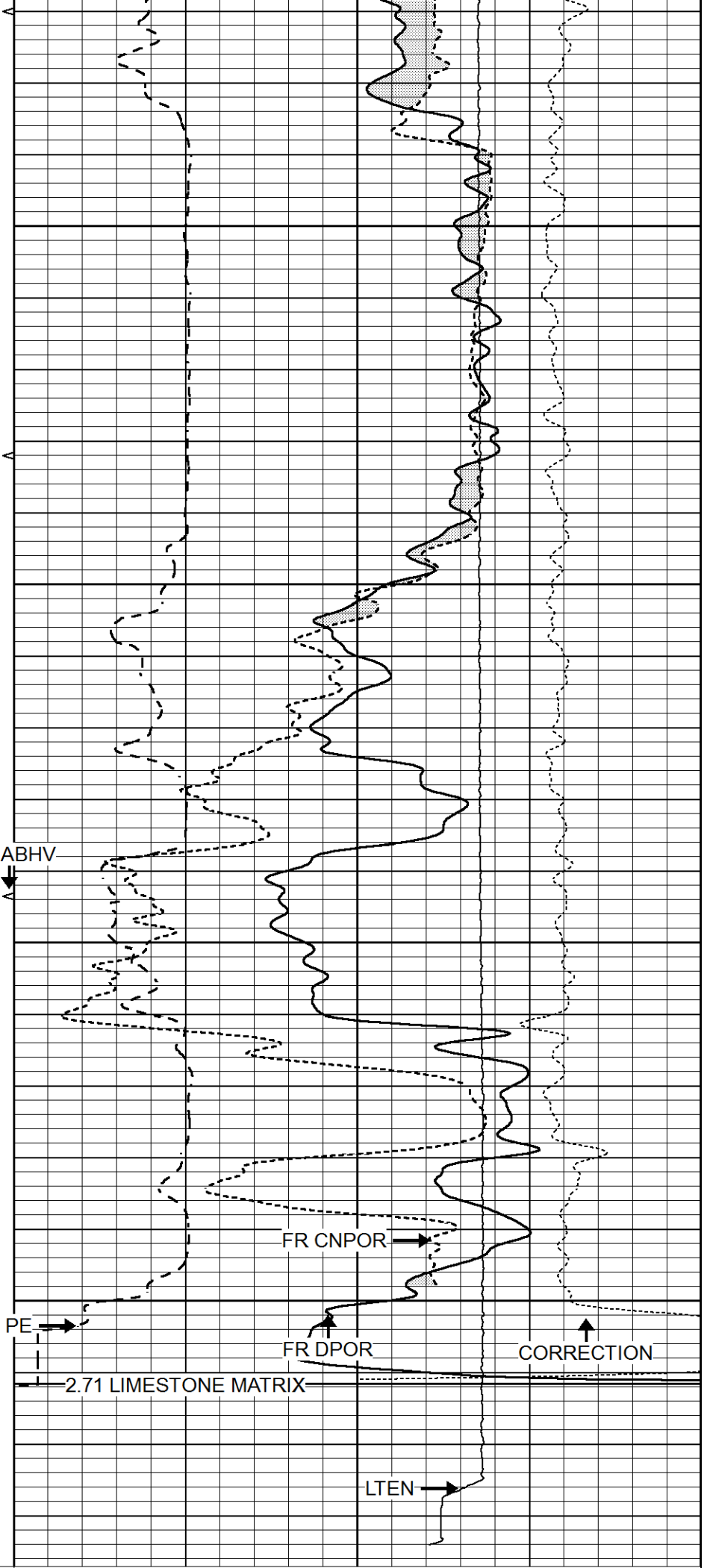
4750

4800

4850

4900

LTD 4926



5.5" ABHV

FR CNPOR

PE

FR DPOR

CORRECTION

2.71 LIMESTONE MATRIX

LTEN

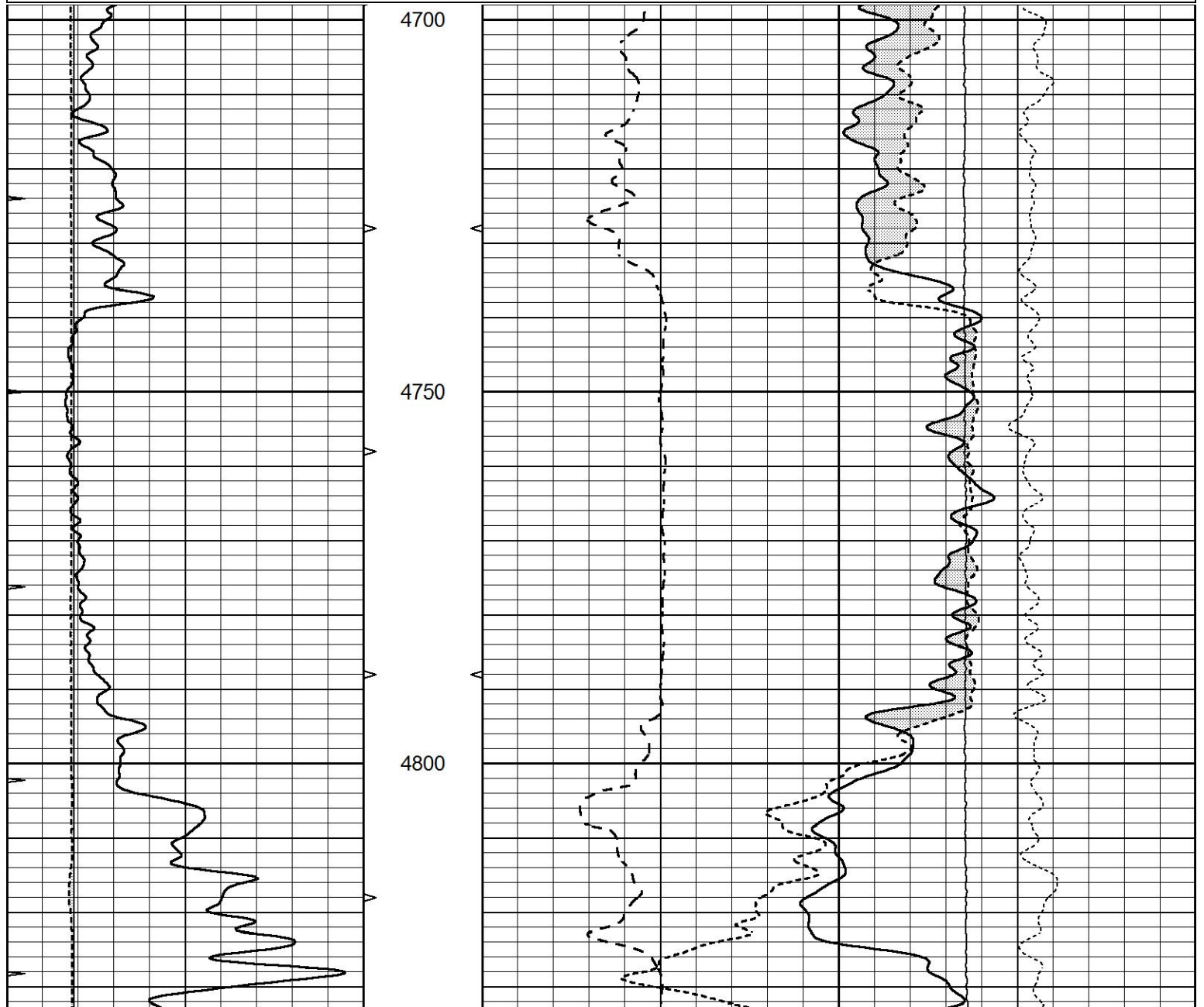
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10		0	LTEN (lb) 5000

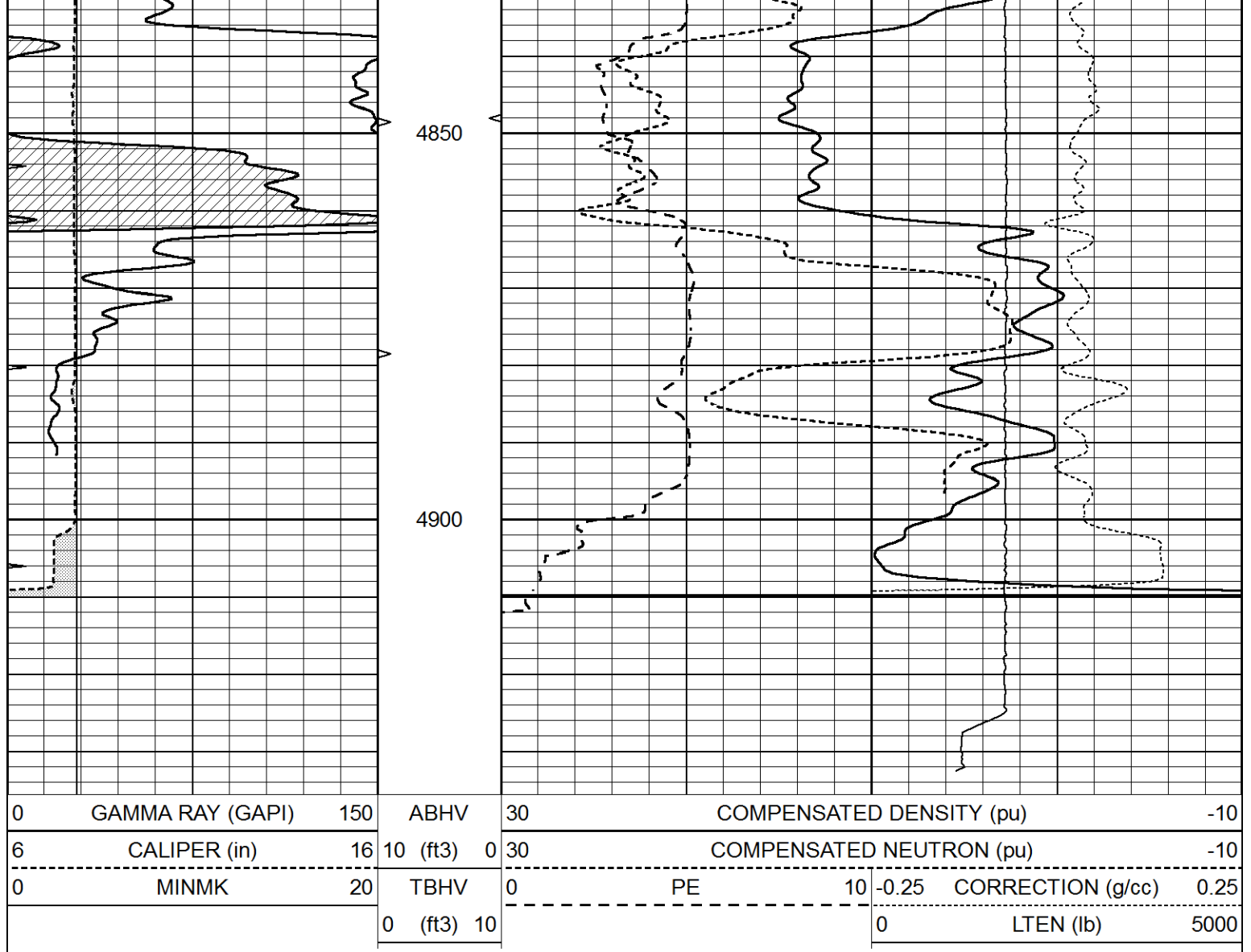


REPEAT SECTION

Database File 10006pe.db
 Dataset Pathname pass4.1R
 Presentation Format _ldt_neu
 Dataset Creation Thu Apr 30 00:05:21 2026
 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	10006pe.db							
Dataset Pathname	pass5.1M							
Dataset Creation	Thu Apr 30 00:20:39 2026							
Dual Induction Calibration Report								
Serial-Model:			PROBE7-DILG					
Surface Cal Performed:			Wed Apr 29 23:25:50 2026					
Downhole Cal Performed:			Thu Mar 12 11:45:10 2020					
After Survey Verification Performed:			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	680.000	28.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	720.000	-126.000
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	0.000		
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000	0.000		
LL3		1.000	Ohm-m		1.000	Ohm-m					
		0.000	Ohm-m		0.000	Ohm-m					
		1.000	mmho-m		1.000	mmho-m					
Litho Density Calibration Report											
Serial: 002 Model: PRB											
Master Calibration						Performed Tue Apr 28 14:58:21 2026					
Background			Magnesium	Aluminum			Aluminum+Fe				
Window 1	686.2		9139.9	2516.7			2202.2			cps	
Window 2	630.7		7880.1	2204.3			1964.8			cps	
Window 3	503.4		3797.8	1207.7			1135.1			cps	
Window 4	149.4		154.5	149.4			150.9			cps	
Long Space	0.0		7249.4	1573.6			1334.1			cps	
Short Space	0.9		1671.6	1114.8			958.7			cps	
Rho			1.7100	2.5900			0.0000			g/cc	
Pe			2.0000	2.7500			5.7900				
Rib Angle	: 45.1		Rib Slope	: 1.005			Density/Spine Ratio			: 0.557	
Spine Angle	: 75.1		Spine Slope	: 3.770			Spine Intercept			: -19.1	
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:	070559		
Tool Model:	OPEN_GR		
Performed:	Sat Apr 25 13:25:04 2026		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.3000	GAPI/cps	