

COMPENSATED DENSITY/NEUTRON PE LOG

Company VINCENT OIL CORPORATION

Well BORGER #1-5

Field LAPPIN SW

County HODGEMAN State KANSAS

Location: API #: 15-083-21986-0000

2310' FNL & 2678' FEL

Other Services
DIL/MEL
SONIC

SEC 5 TWP 24S RGE 23W

Elevation

Permanent Datum GROUND LEVEL Elevation 2447
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

K.B. 2452
D.F. 2450
G.L. 2447

Date 6/15/21

Run Number ONE

Depth Driller 4830

Depth Logger 4834

Bottom Logged Interval 4810

Top Log Interval 3850

2500 - 2800

Casing Driller 8 5/8" @ 355

Casing Logger 355

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.3/45

pH / Fluid Loss 9.0/10.8

Source of Sample FLOWLINE

Rm @ Meas. Temp .60 @ 82F

Rmf @ Meas. Temp .45 @ 82F

Rmc @ Meas. Temp .72 @ 82F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .40 @ 123F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 1111

Maximum Recorded Temperature 123F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

Witnessed By TOM DUDGEON

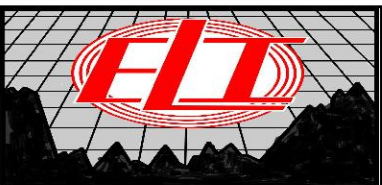
<<< Fold Here >>>

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

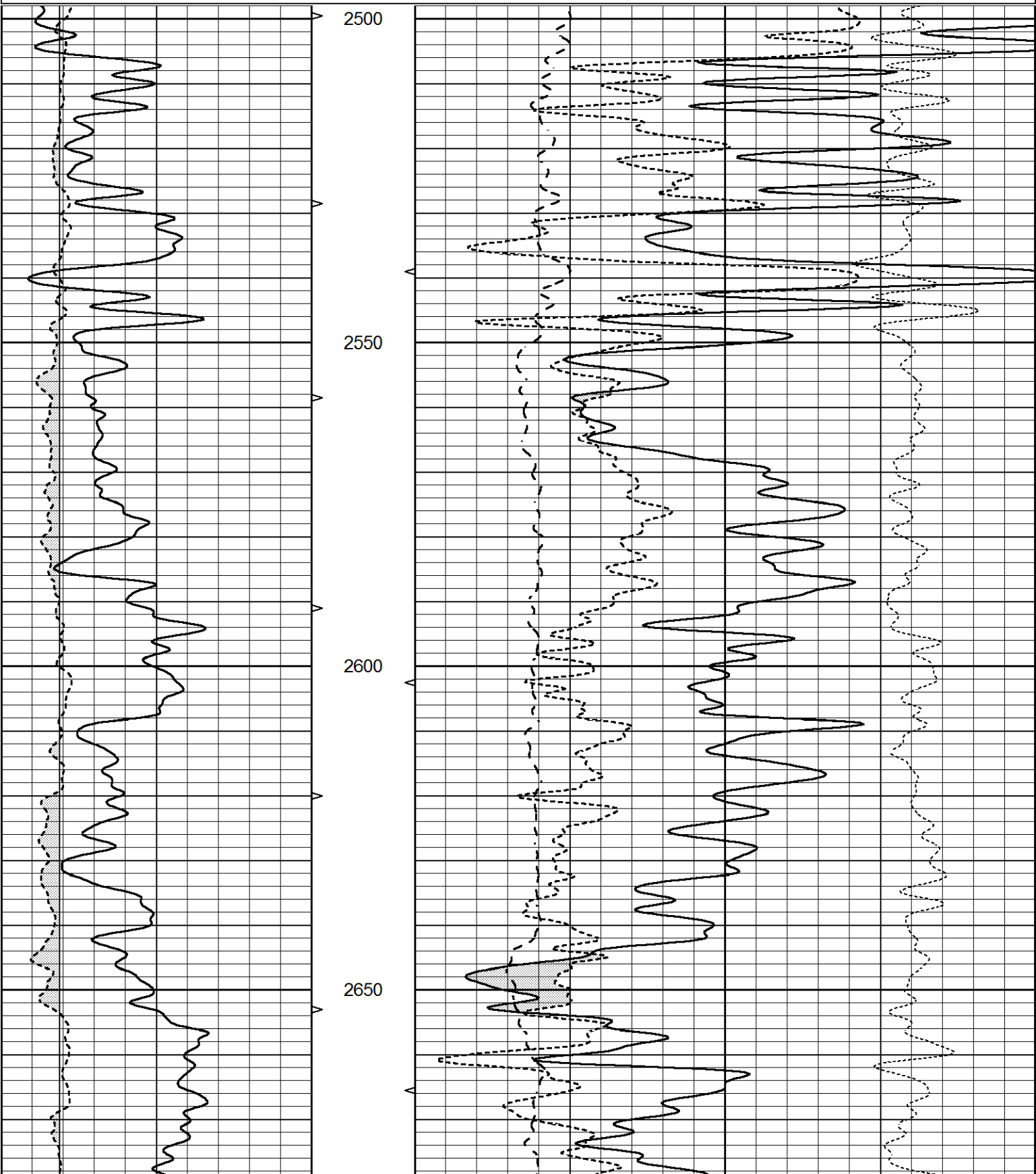
JETMORE, KS. - 6 SOUTH TO RD. G - 1 1/2 EAST - SOUTH INTO JUST WEST OF THE FARM

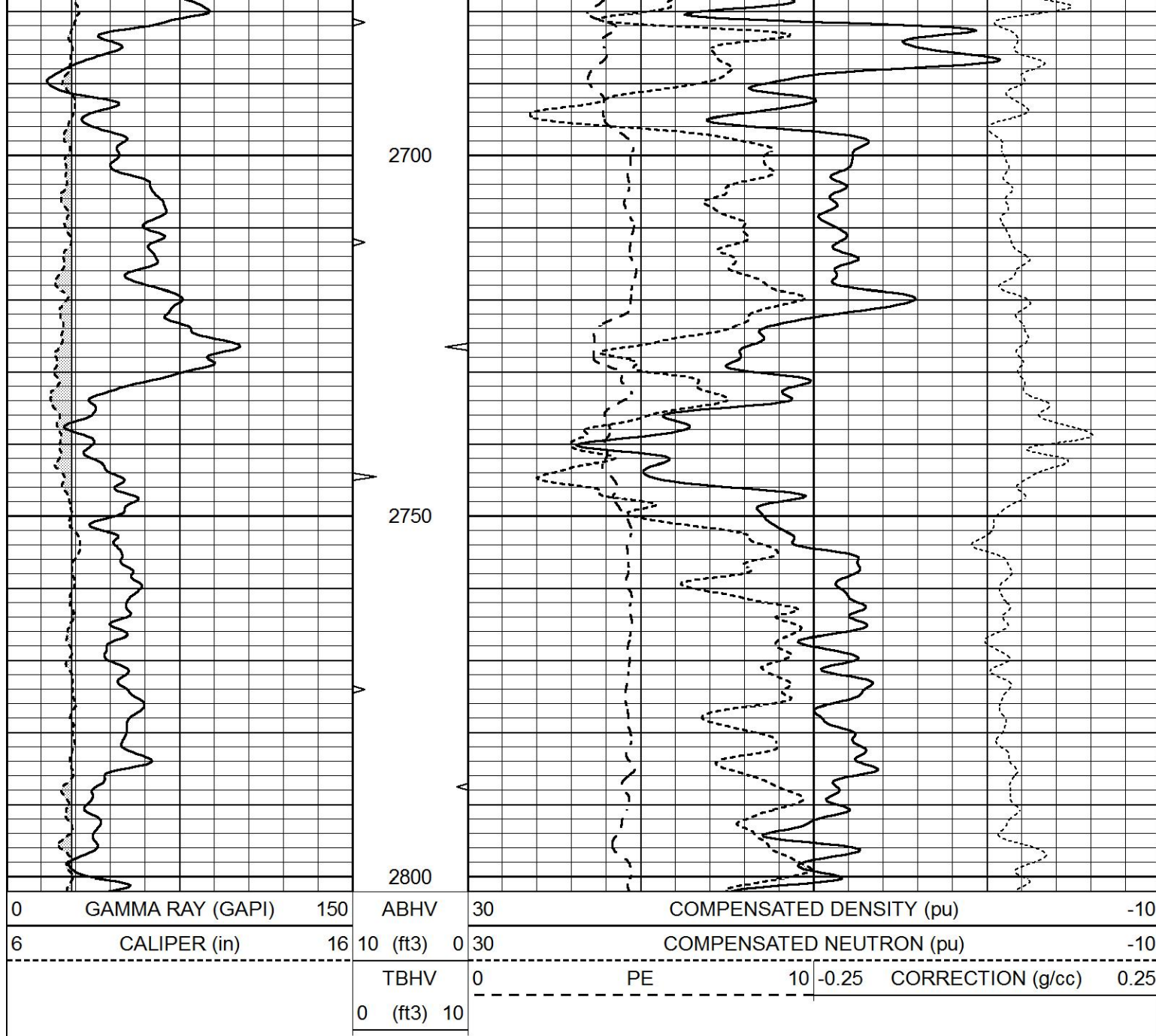


UPPER SECTION

Database File	5224pe.db
Dataset Pathname	pass3.2
Presentation Format	_ldt_neu
Dataset Creation	Wed Jun 16 01:24:07 2021
Charted by	Depth in Feet scaled 1:240

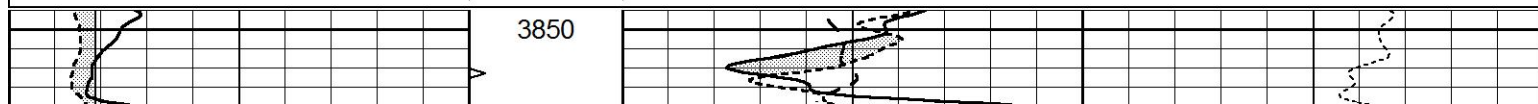
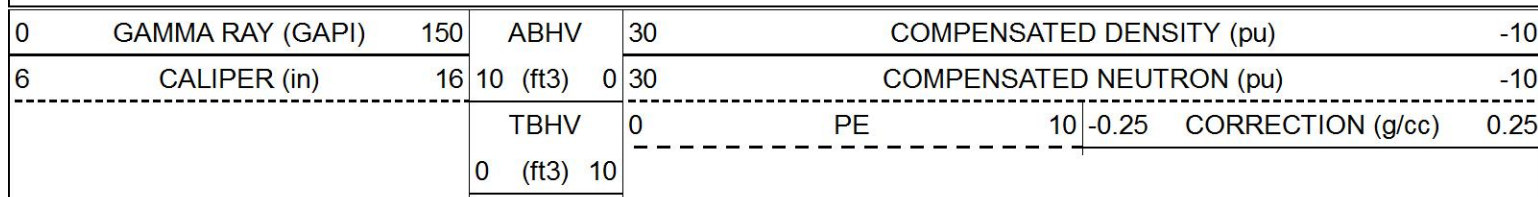
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0	COMPENSATED NEUTRON (pu)	-10
			TBHV	0	PE	10 -0.25
			0 (ft3)	10	CORRECTION (g/cc)	0.25

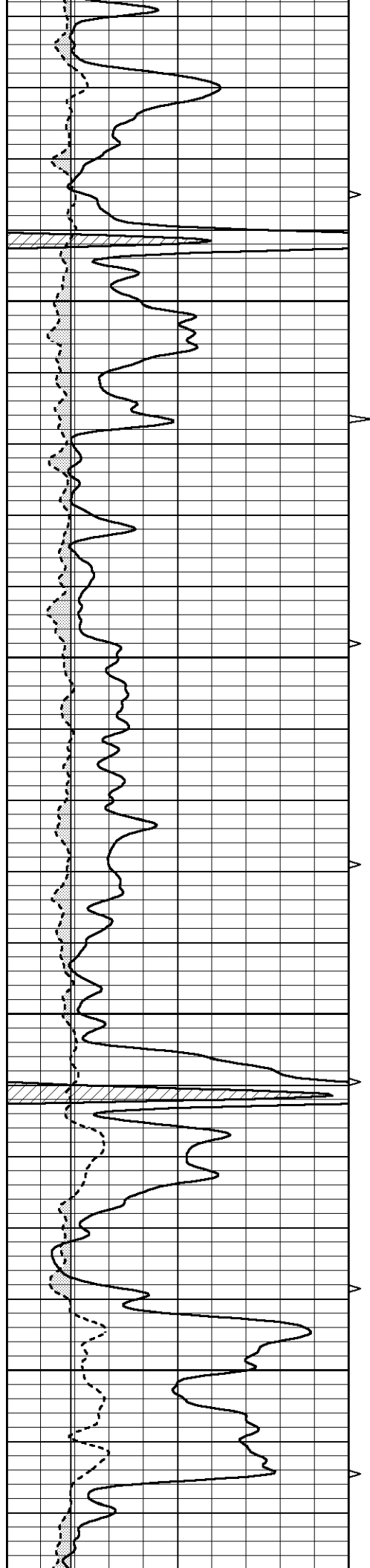




MAIN SECTION

Database File 5224pe.db
 Dataset Pathname pass3.1
 Presentation Format _ldt_neu
 Dataset Creation Wed Jun 16 01:06:09 2021
 Charted by Depth in Feet scaled 1:240



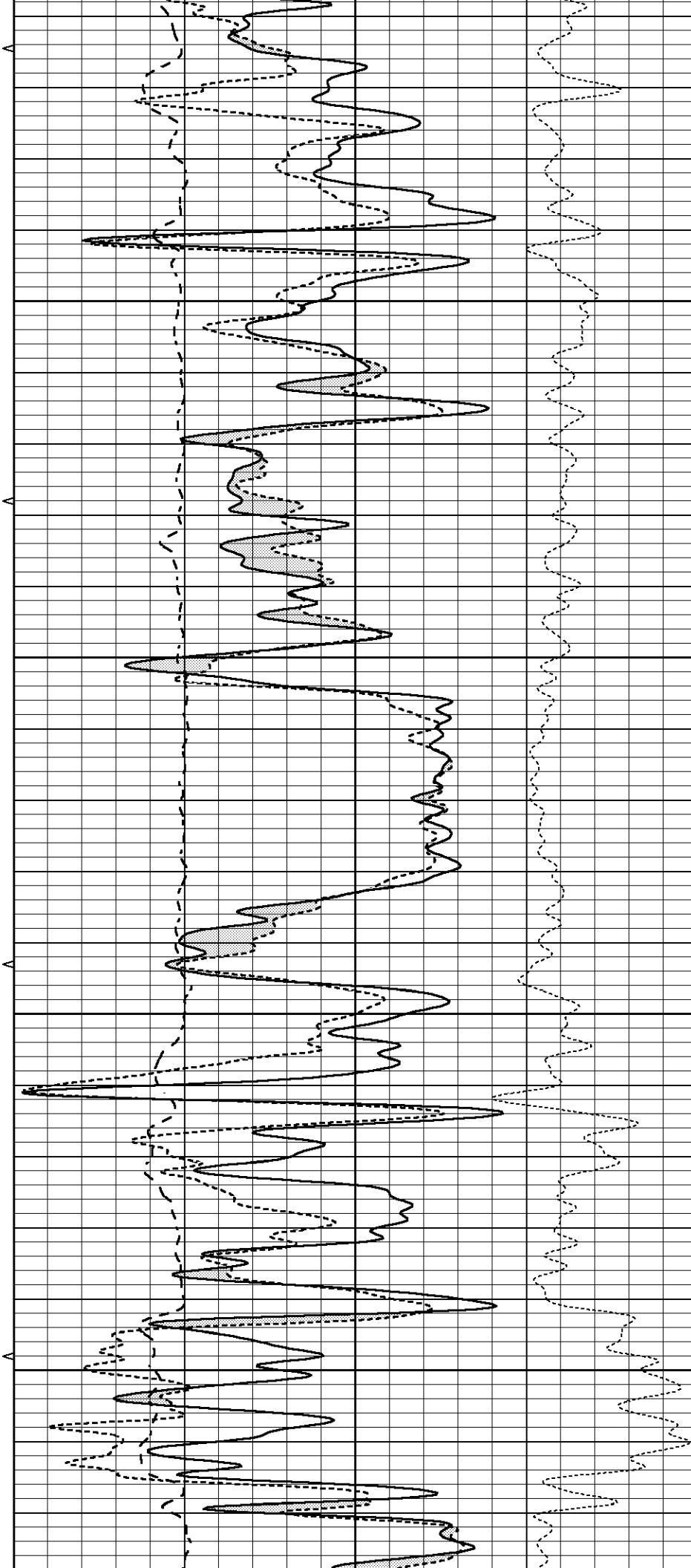


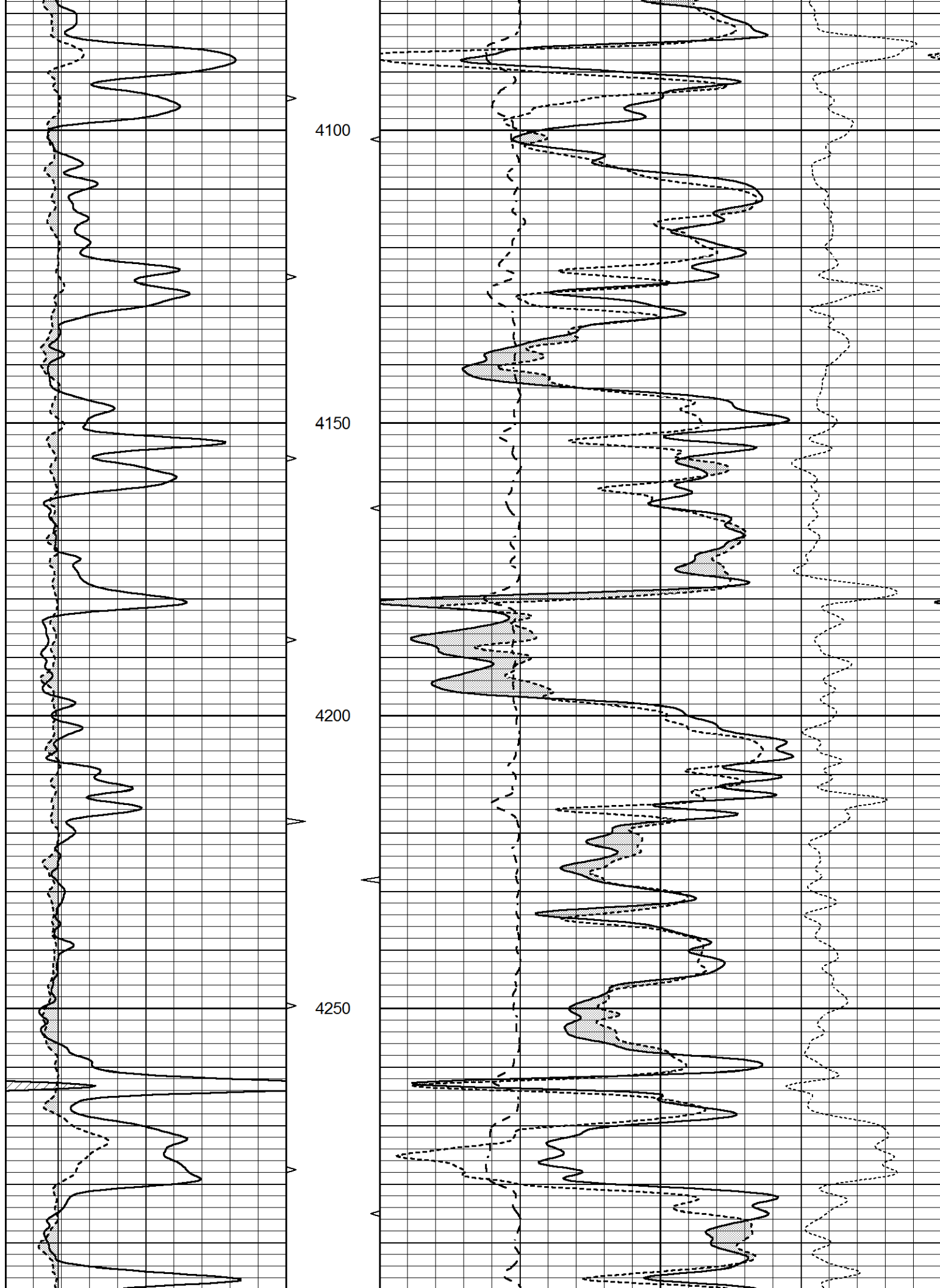
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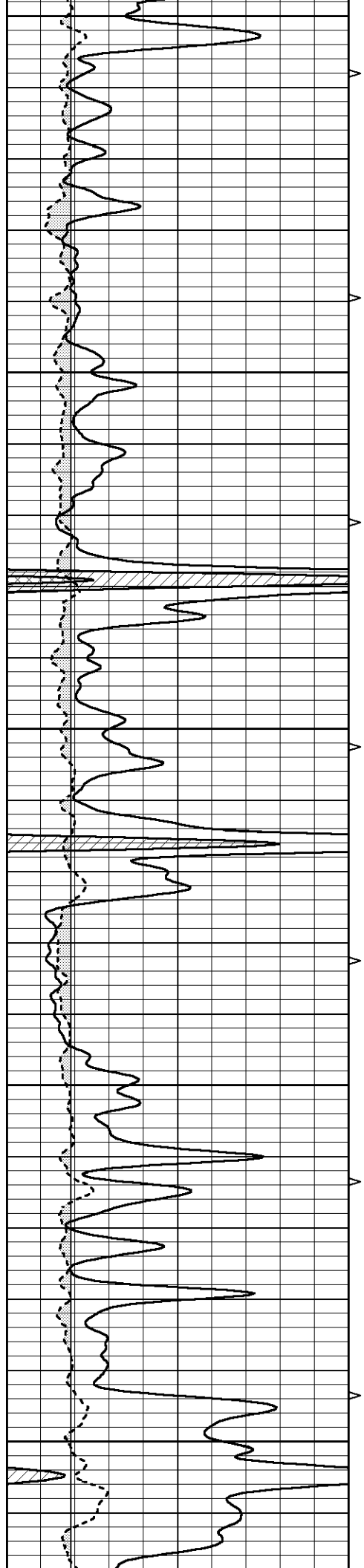
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4000

4050







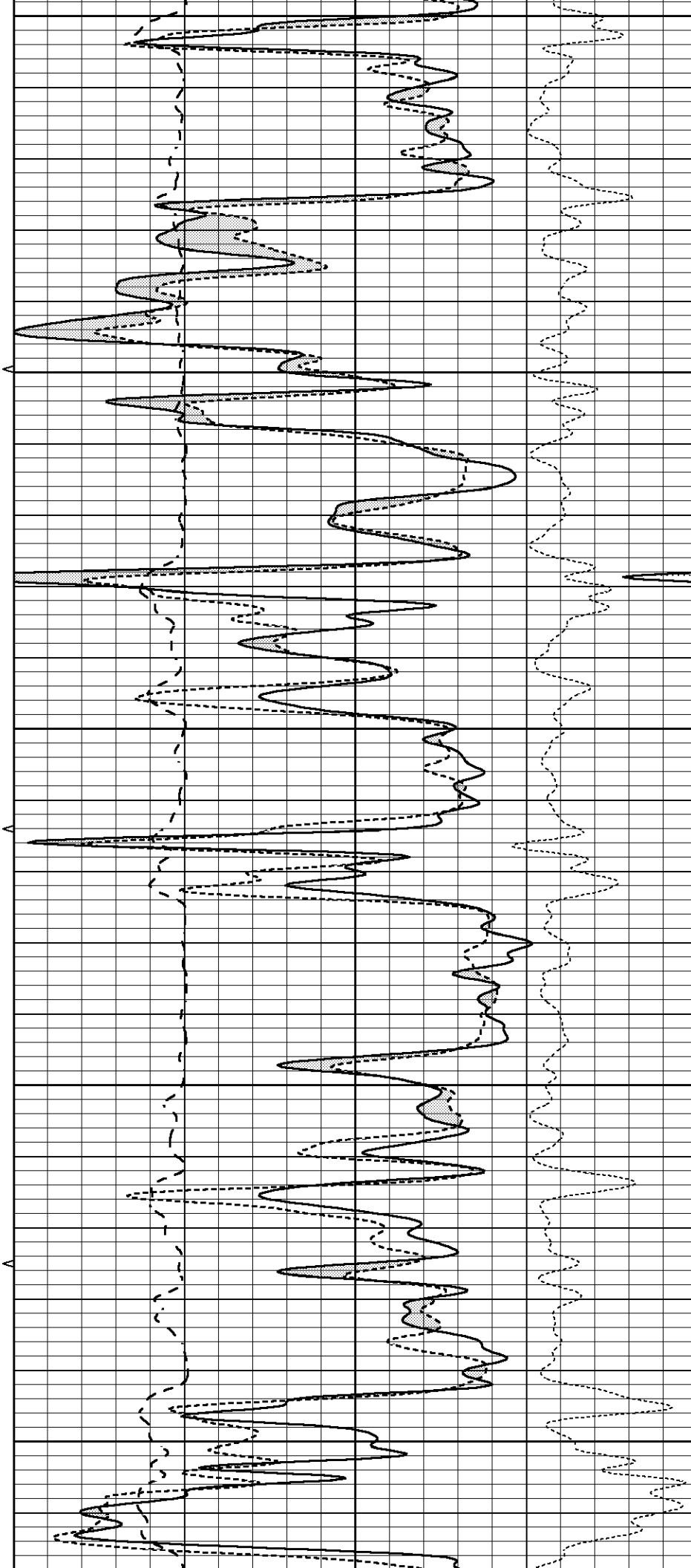
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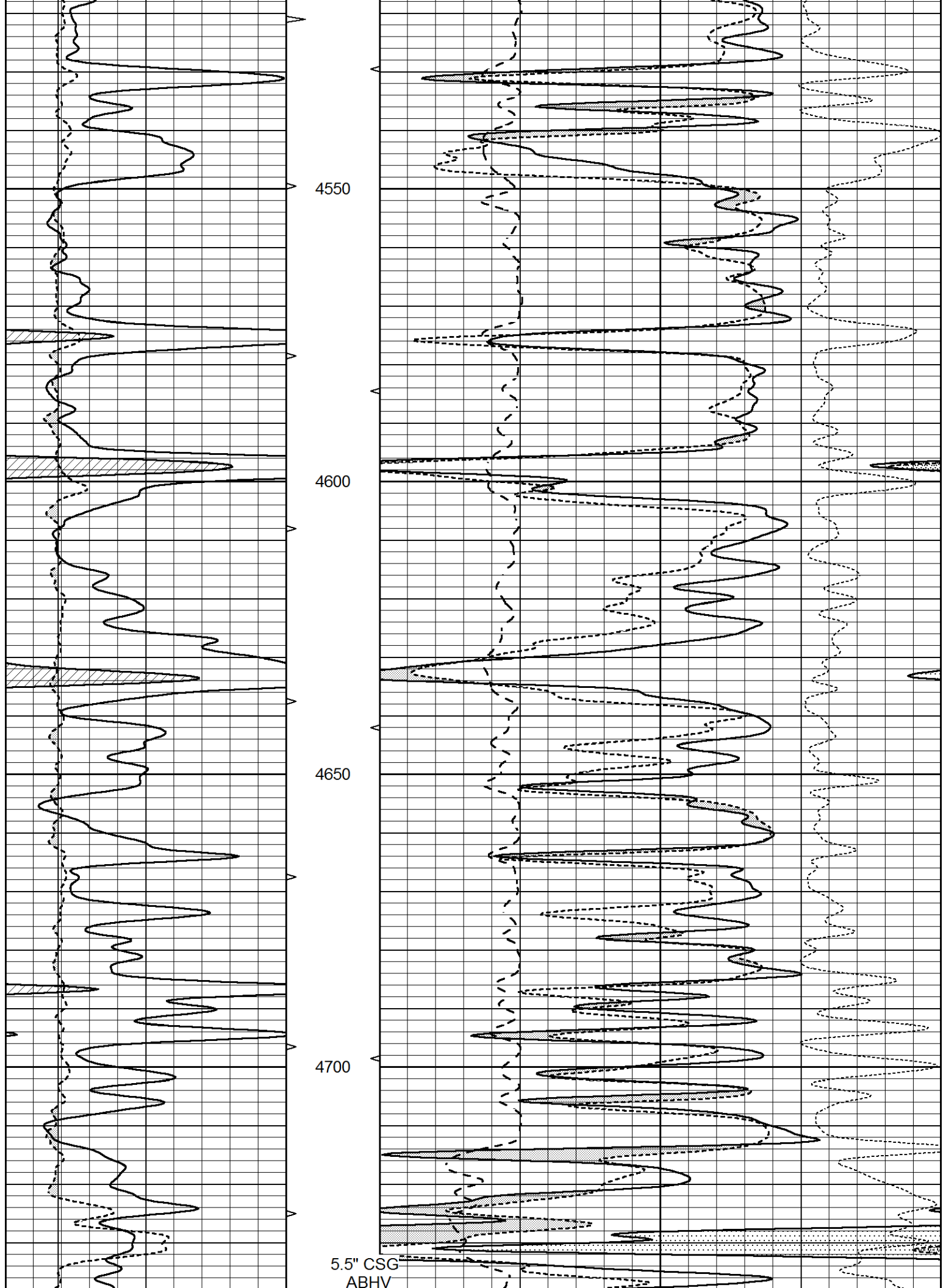
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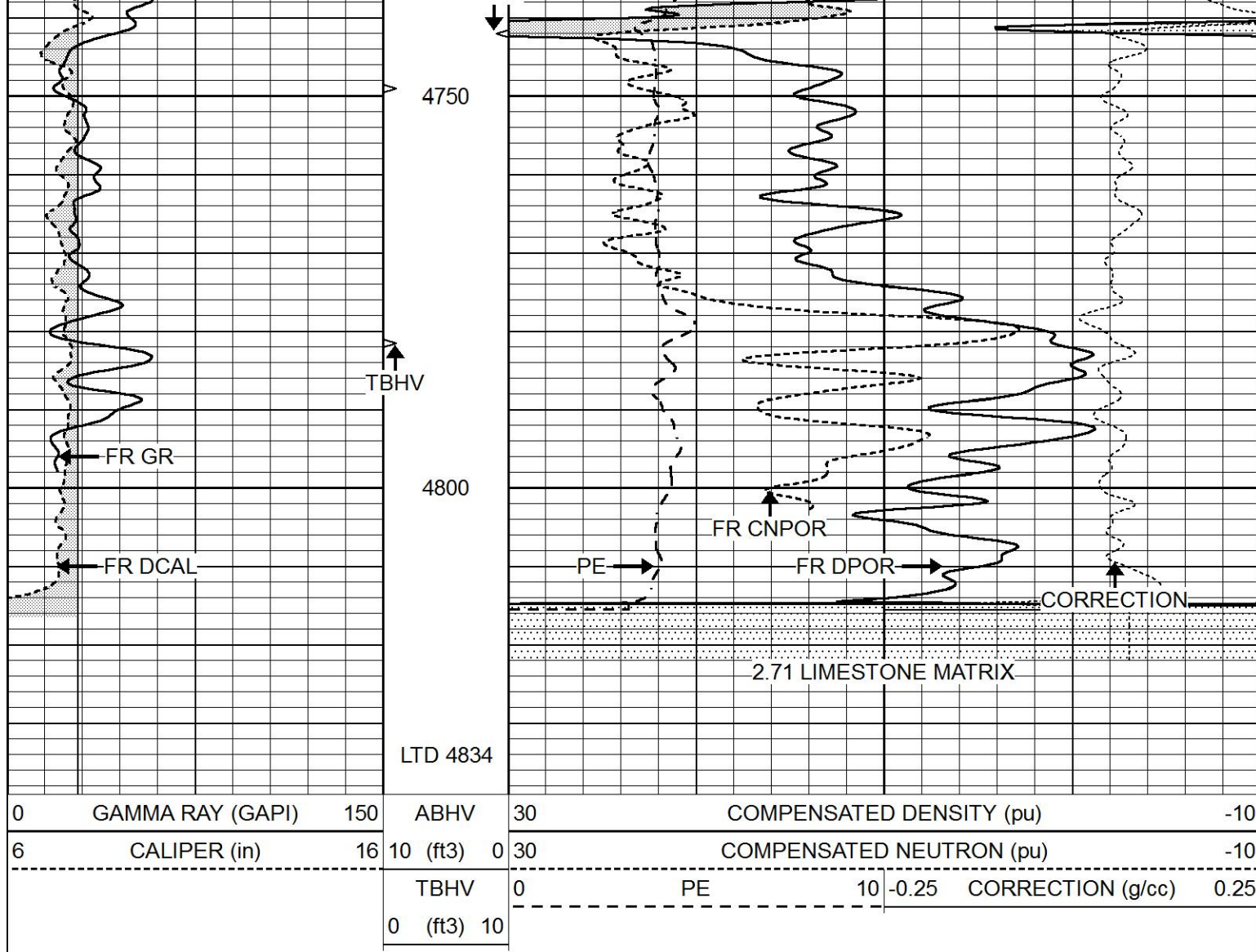
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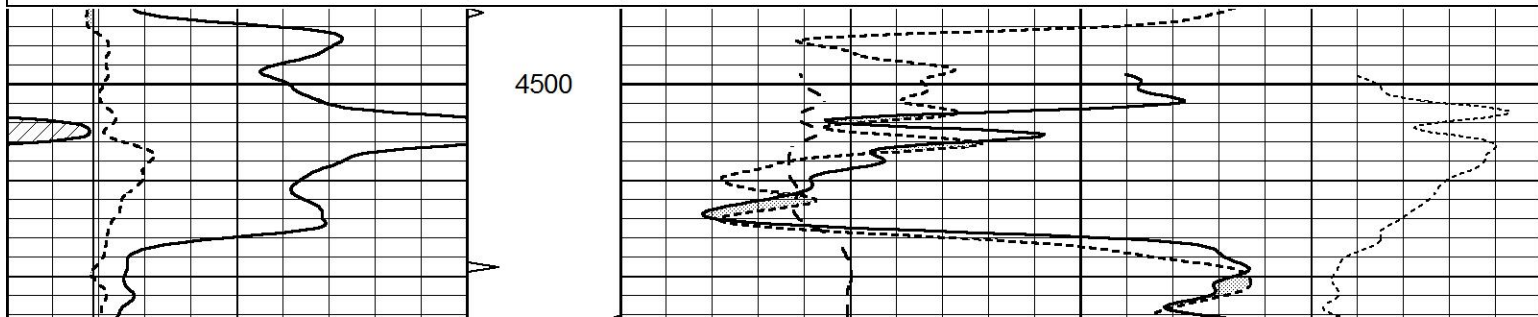


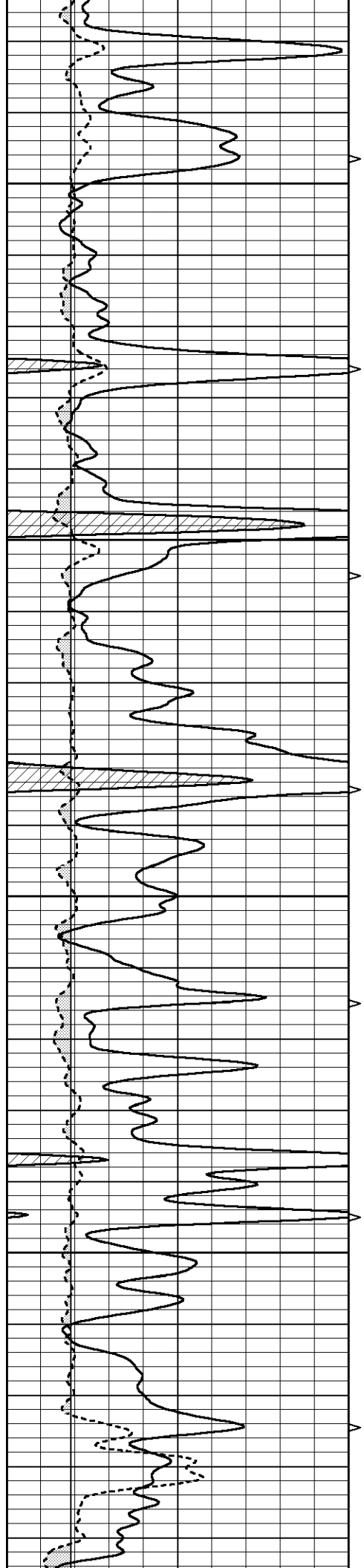


REPEAT SECTION

Database File 5224pe.db
Dataset Pathname pass2.1
Presentation Format _ldt_neu
Dataset Creation Wed Jun 16 01:04:27 2021
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
			TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10			



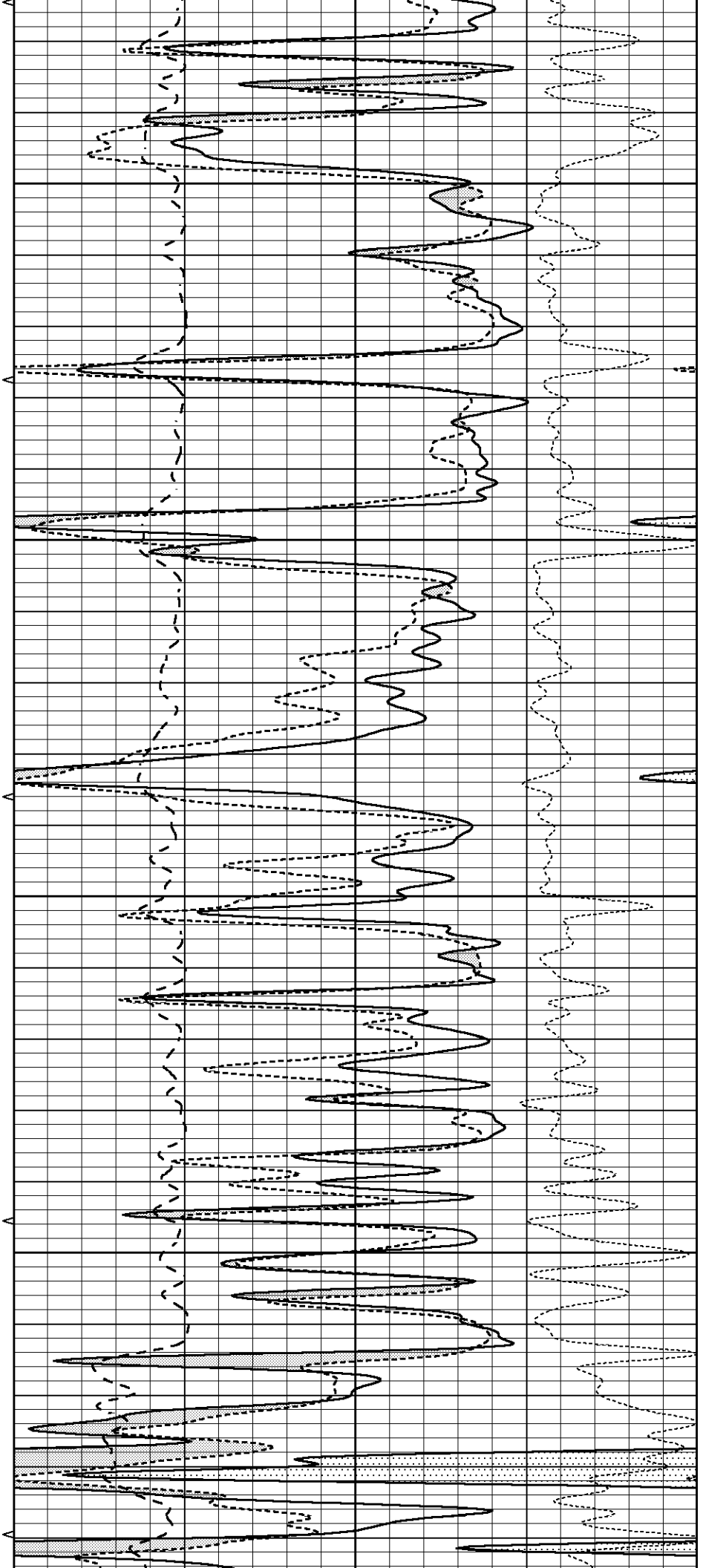


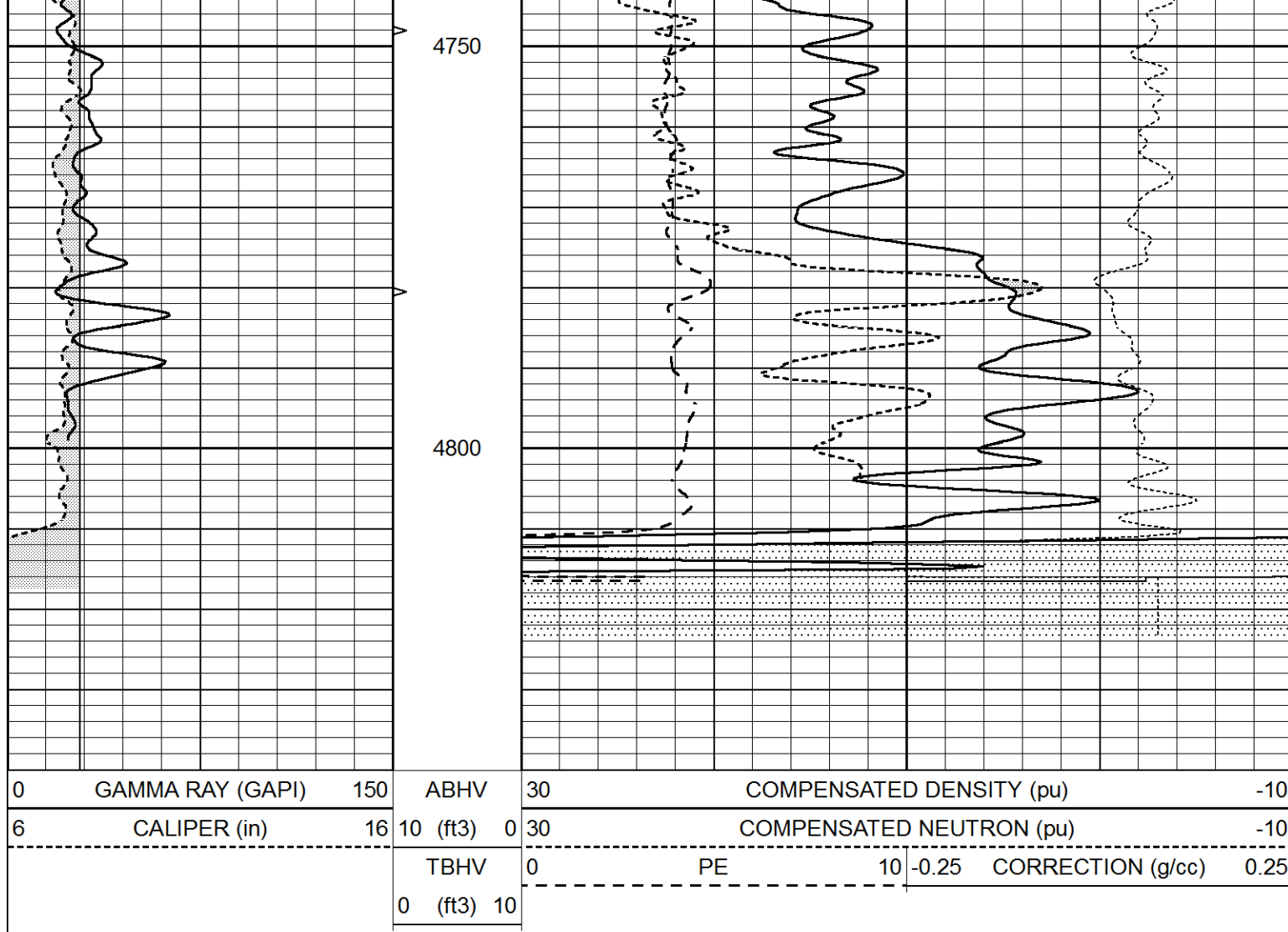
4550

4600

4650

4700





Calibration Report									
Database File	5224pe.db								
Dataset Pathname	pass2.1								
Dataset Creation	Wed Jun 16 01:04:27 2021								
Dual Induction Calibration Report									
Serial-Model:		FW1410-55-Probe							
Surface Cal Performed:		Tue Feb 19 11:44:18 2019							
Downhole Cal Performed:		Tue Feb 19 11:44:24 2019							
After Survey Verification Performed:		Tue Feb 19 11:44:27 2019							
Surface Calibration									
		Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.011	0.656	V	1.000	400.000	mmho/m	618.595	-5.524	
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	1.197	
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								
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Master Calibration				Performed: Mon Dec 07 12:12:14 2020				
	Background		Aluminum	Magnesium				
Window 1	557.73		5525.14	24361.20		cps		
Window 2	47.08		1245.09	5901.17		cps		
Window 4	239.06		1250.70	5456.76		cps		
Window 5	564.08		8300.56	16134.07		cps		
Window 6	44.21		1356.78	2705.40		cps		
Window 8	267.87		2686.97	5150.30		cps		
Bulk Density	-		2.6020	1.6830		g/cc		
Pe	-		3.0000	2.5070		b/e		
LS Alpha:	: -1.8719		SS Alpha:	: -0.8000		LS CPE:	: 1.1424	
LS Beta:	: 135562.6841		SS Beta:	: 20128.7209		SS CPE:	: 1.5489	

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: Mon Dec 07 12:12:14 2020				
Results	Readings		References (in)					
	Low	High	Low	High	Gain		Offset	
	664.3	1102.8	8.0	14.0	0.0		-1.0	

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:	Tue Jan 19 17:50:08 2021	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5300	GAPI/cps