



COMPENSATED DENSITY/NEUTRON PE LOG

Company SHELBY RESOURCES, LLC.

Well WIFYOG #3-3

Field

County PAWNEE State KANSAS

Location: API #: 15-145-21865-0000

1685' FNL & 1845' FWL

Other Services
DIL/MEL
SON

SEC 3 TWP 22S RGE 16W

Permanent Datum GROUND LEVEL Elevation 1988
Log Measured From KELLY BUSHING 11' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1999
D.F. 1997
G.L. 1988

Date 2/7/21

Run Number ONE

Depth Driller 3975

Depth Logger 3976

Bottom Logged Interval 3942

Top Log Interval 1900

Casing Driller 8 5/8" @ 983

Casing Logger 983

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.4/58

pH / Fluid Loss 10.0/8.8

Source of Sample FLOWLINE

Rm @ Meas. Temp .60 @ 50F

Rmf @ Meas. Temp .45 @ 50F

Rmc @ Meas. Temp .72 @ 50F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .25 @ 116F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom

Maximum Recorded Temperature 116F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

Witnessed By JEREMY SCHWARTZ

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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

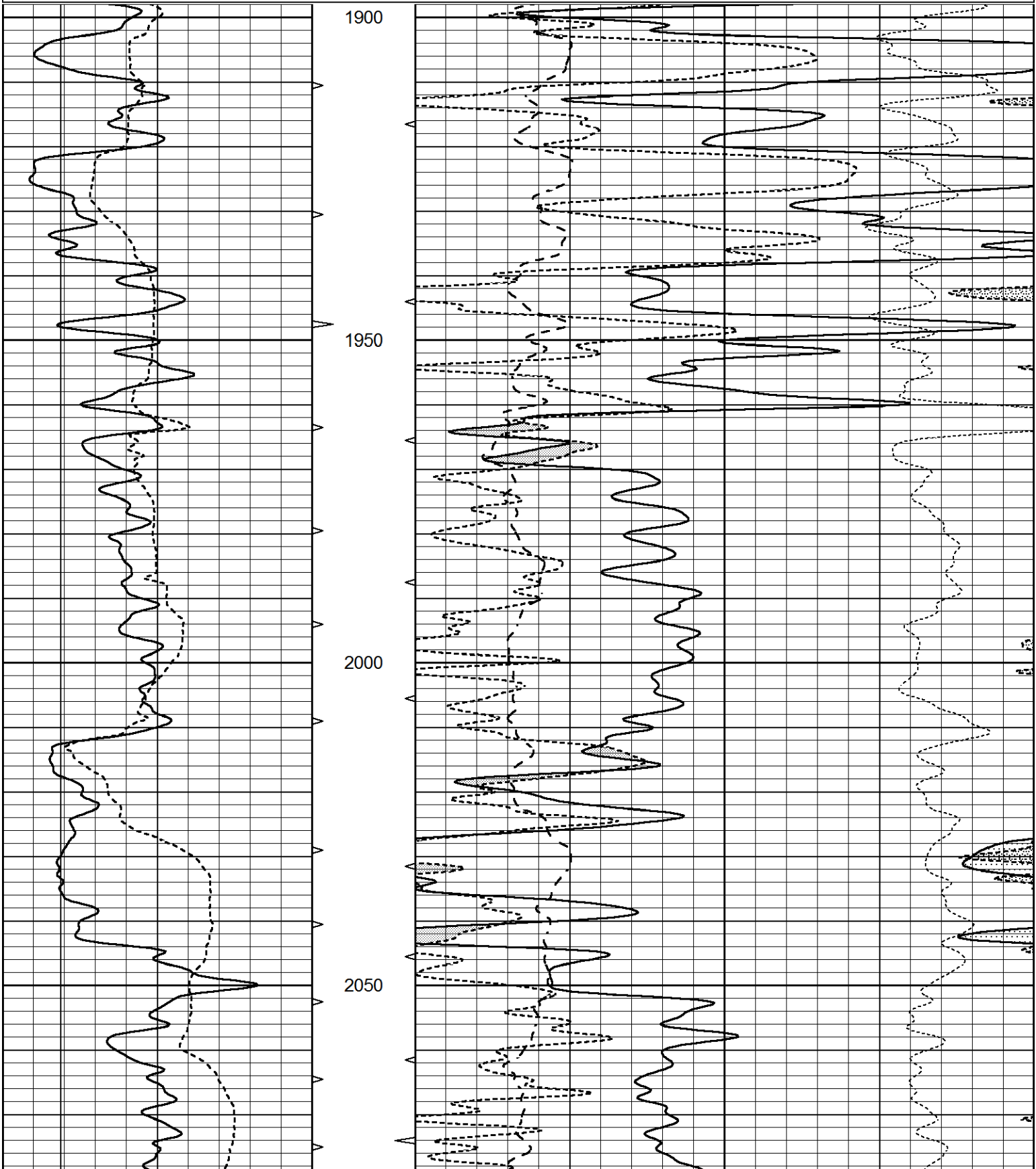
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
LARNED, KS. - AT K 56 & HWY 19 EAST TO RD. 100 - SOUTH TO THE T
SOUTH & EAST INTO THROUGH WHITE GATES

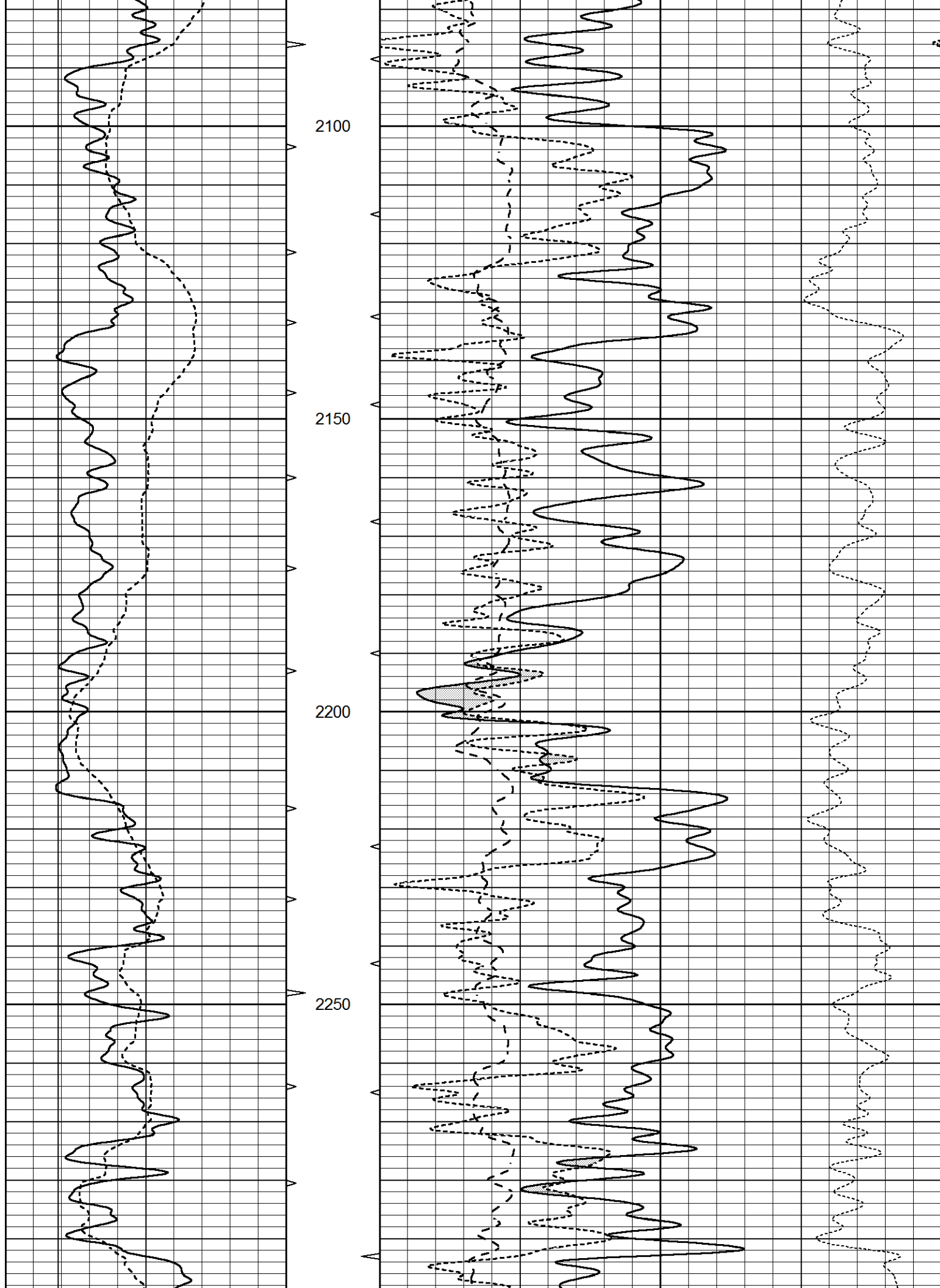


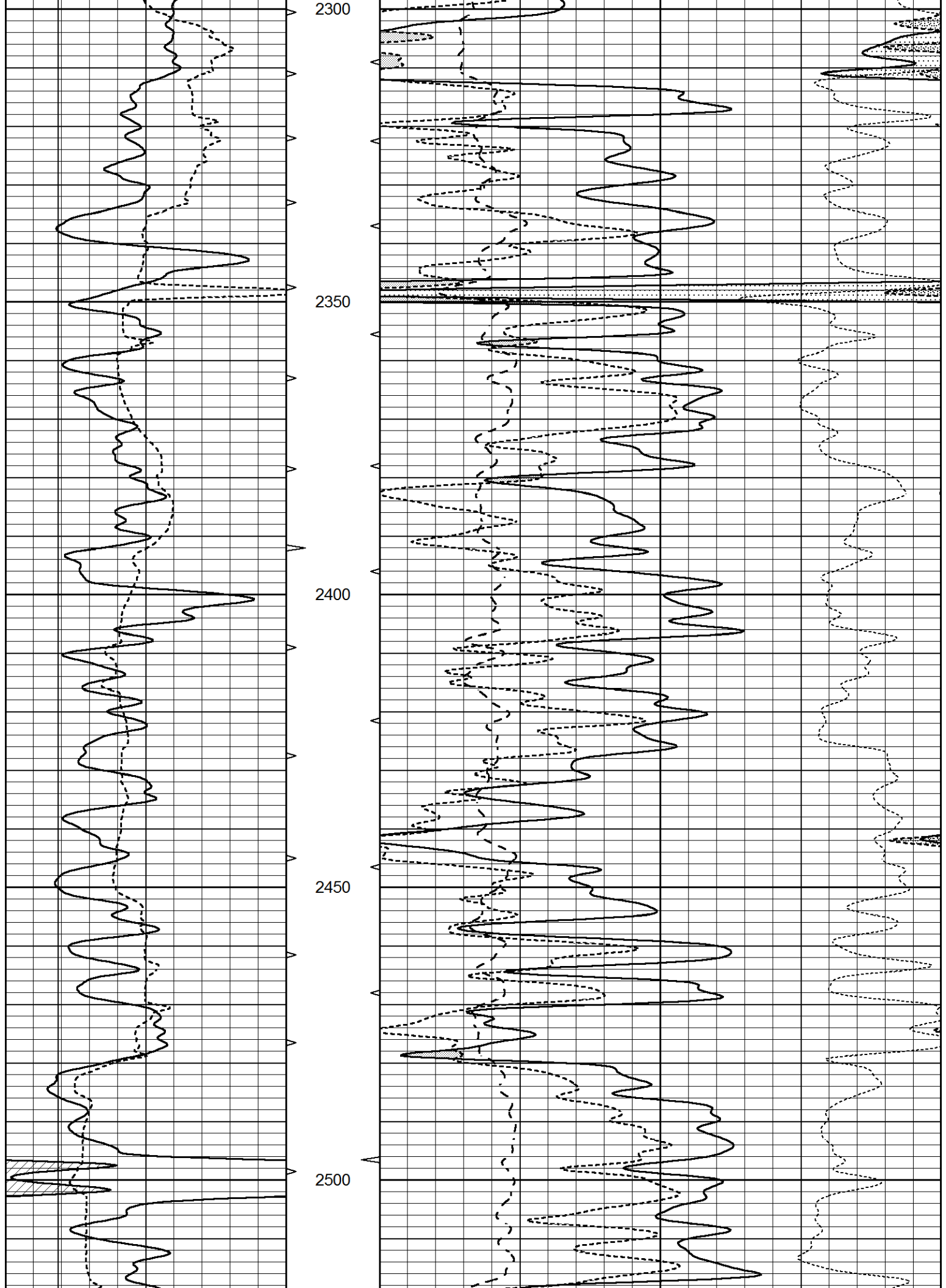
MAIN SECTION

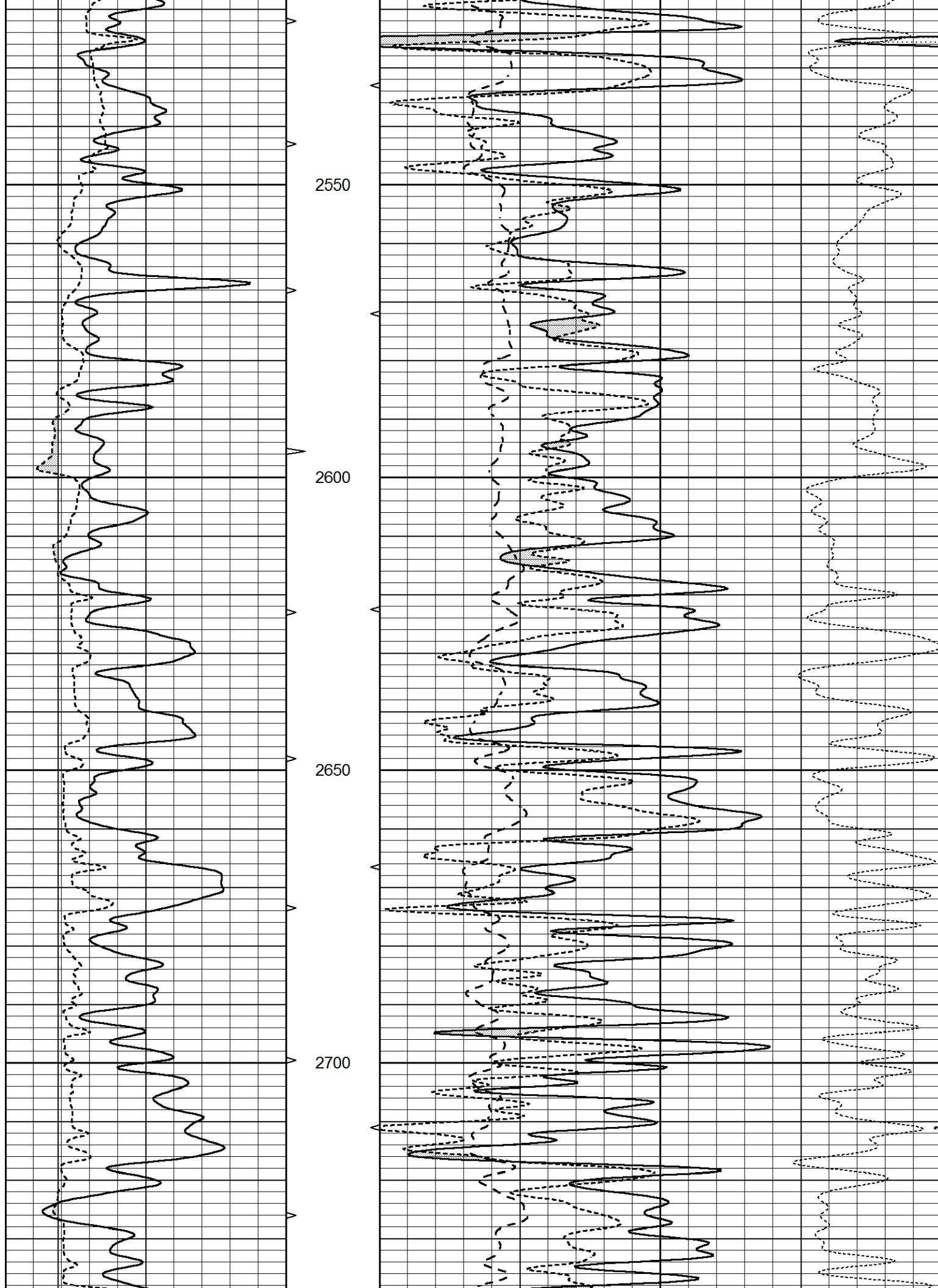
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Dataset Pathname	pass3.1
Presentation Format	_ldt_neu
Dataset Creation	Mon Feb 08 00:08:26 2021
Charted by	Depth in Feet scaled 1:240

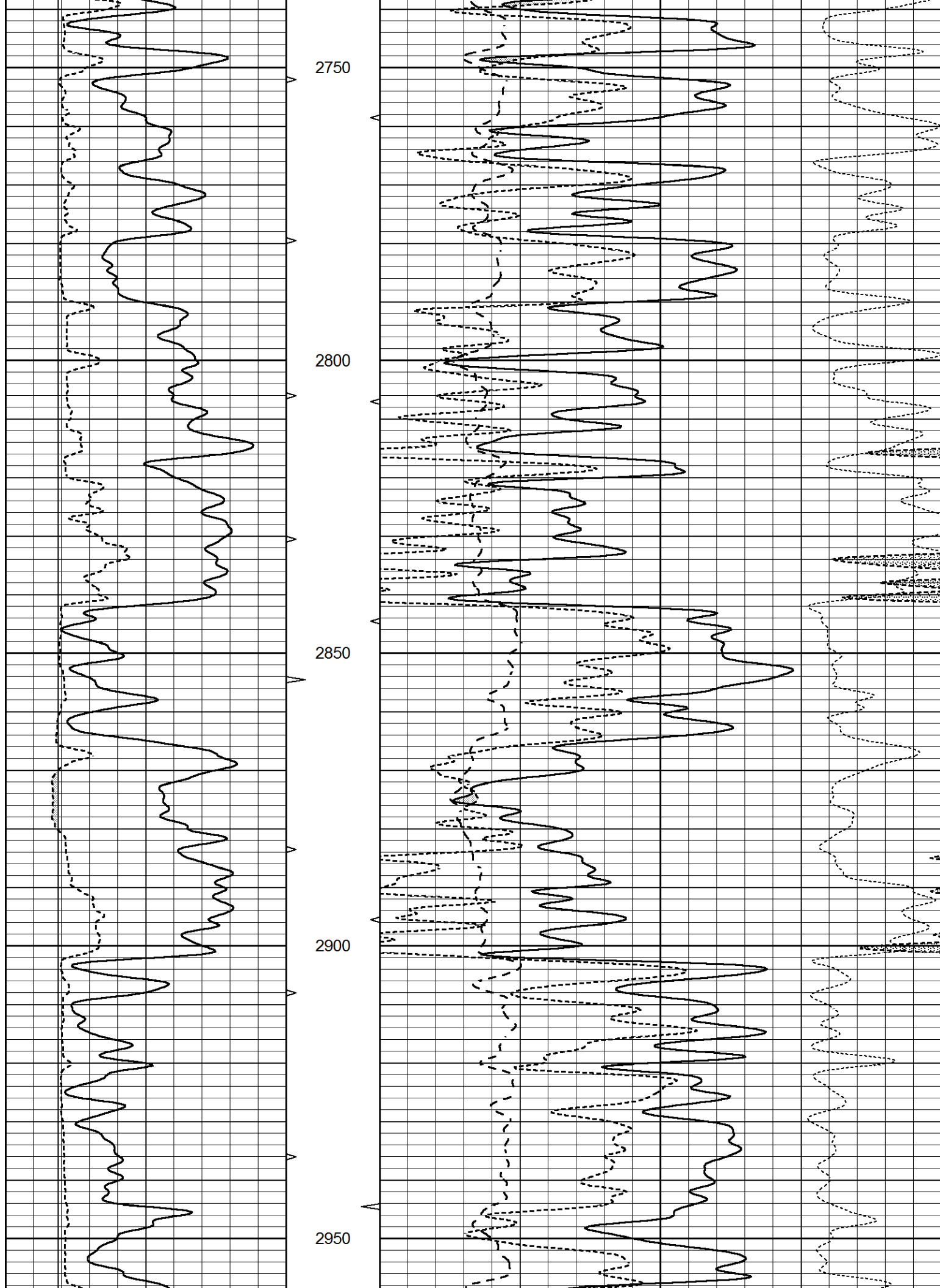
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
			TBHV	0	PE	10 -0.25
			0 (ft3) 10	CORRECTION (g/cc) 0.25		

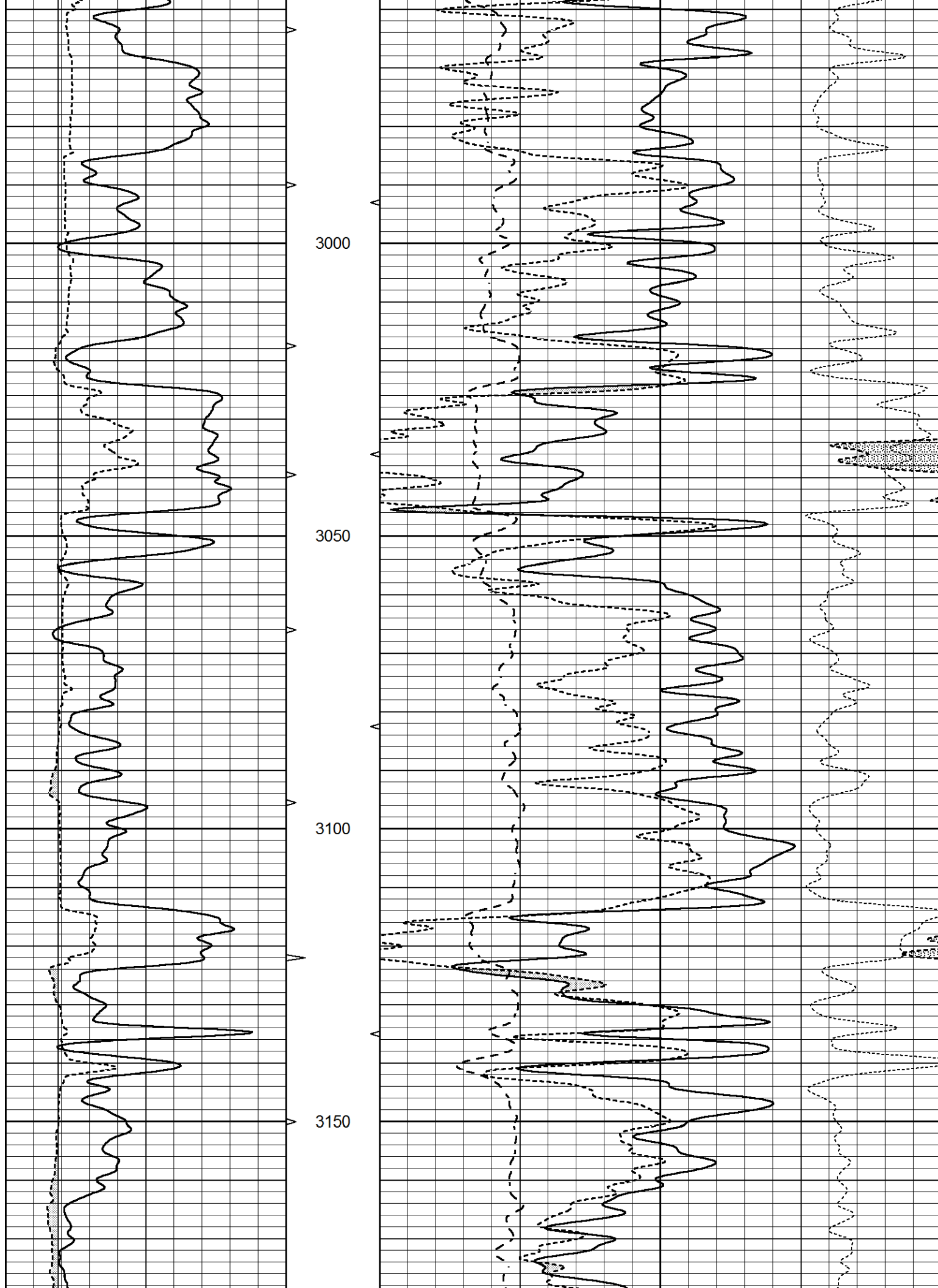


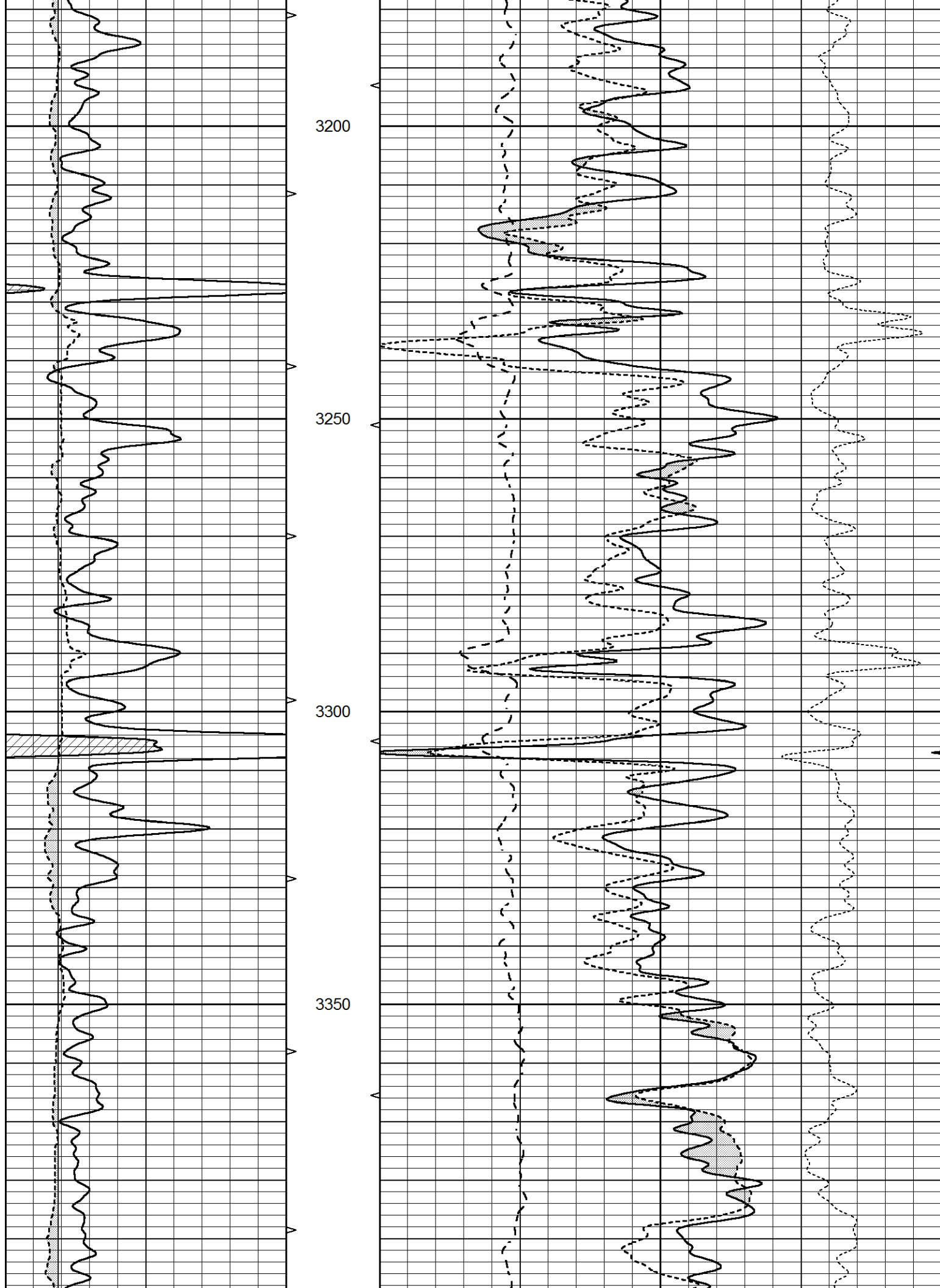


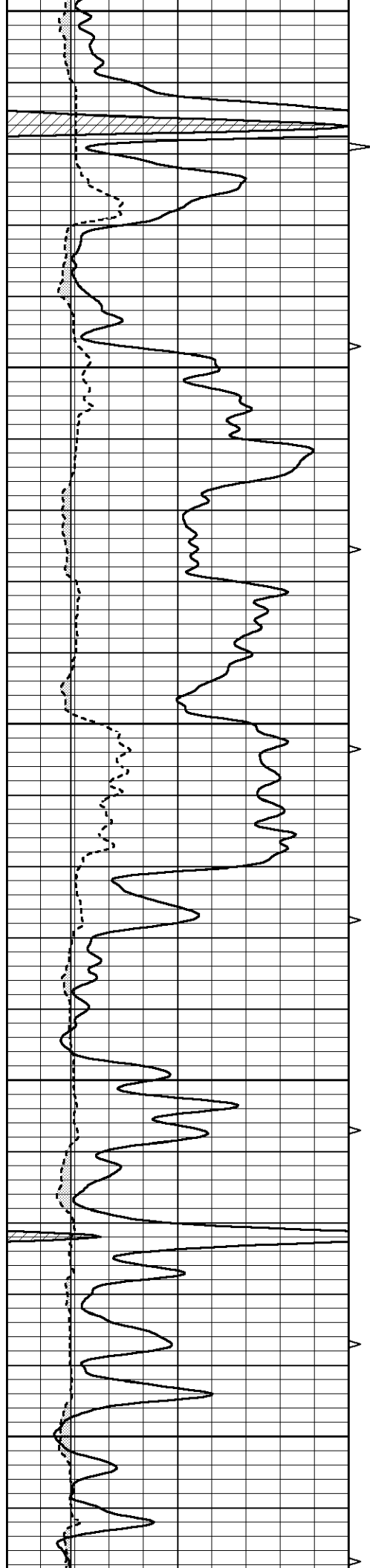




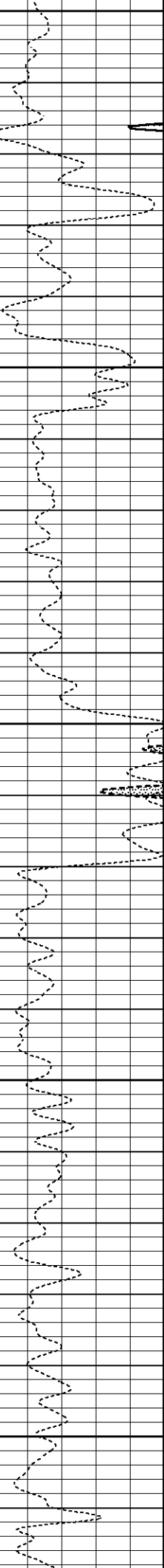
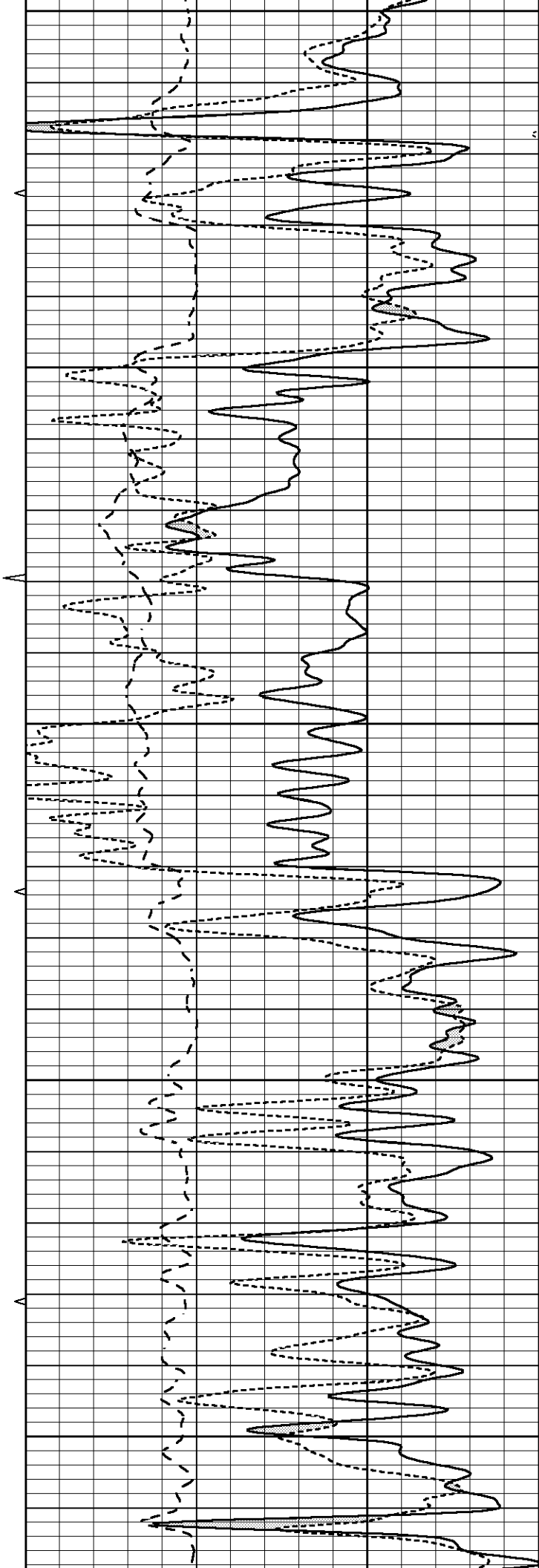


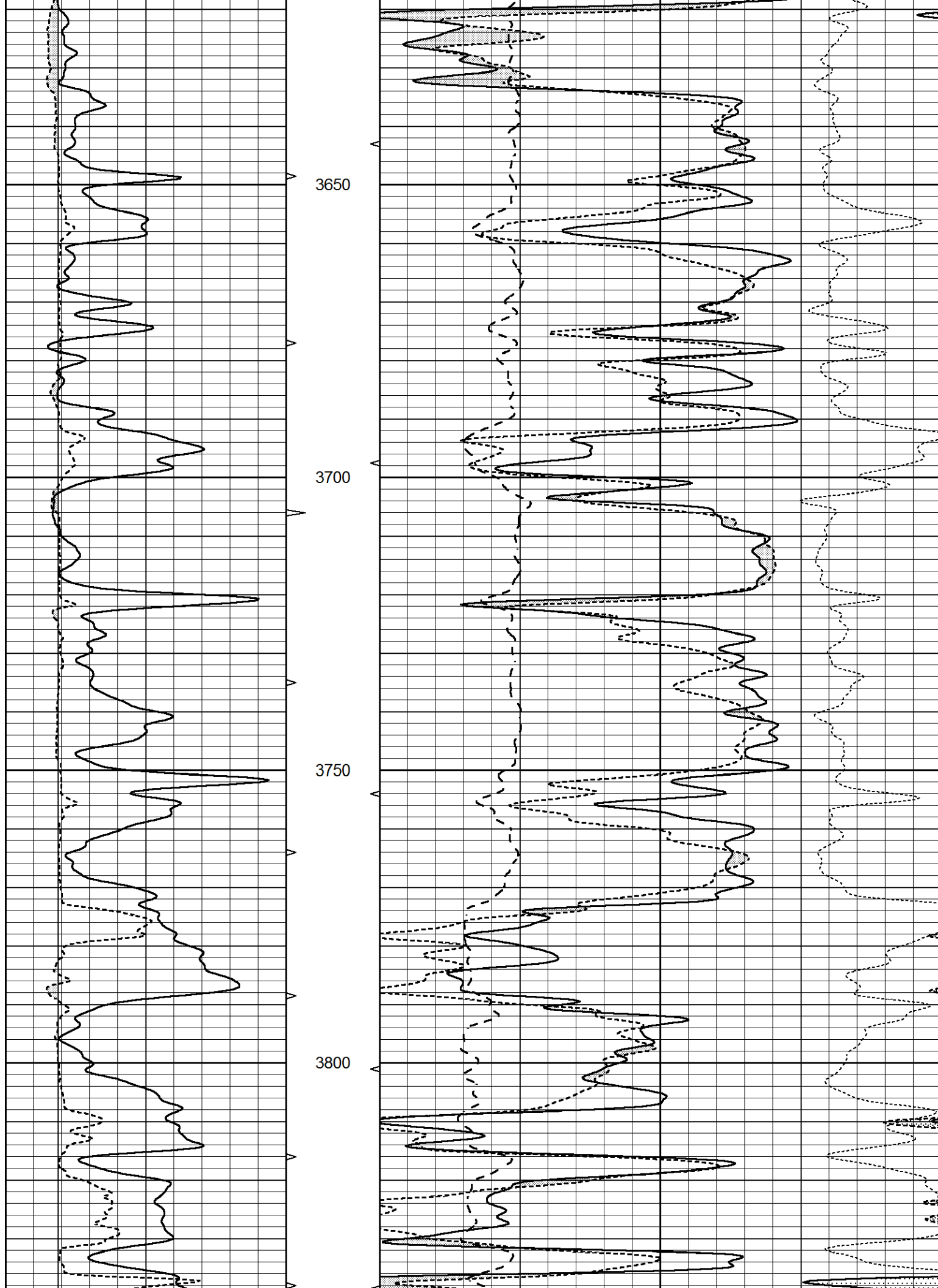


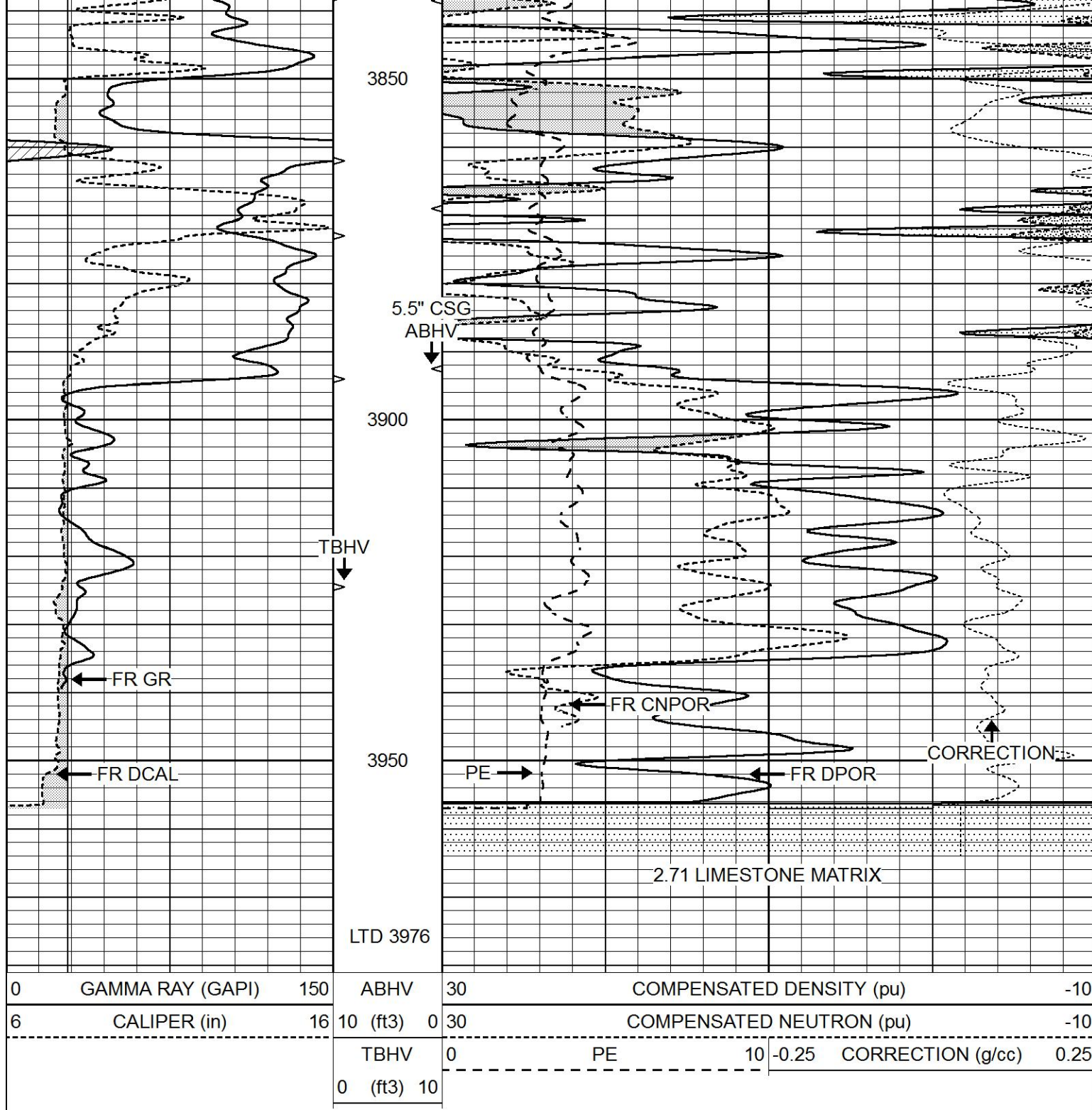




3400
3450
3500
3550
3600







REPEAT SECTION

Database File 5208ddn.db
 Dataset Pathname pass2.1
 Presentation Format _ldt_neu
 Dataset Creation Sun Feb 07 23:15:24 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			

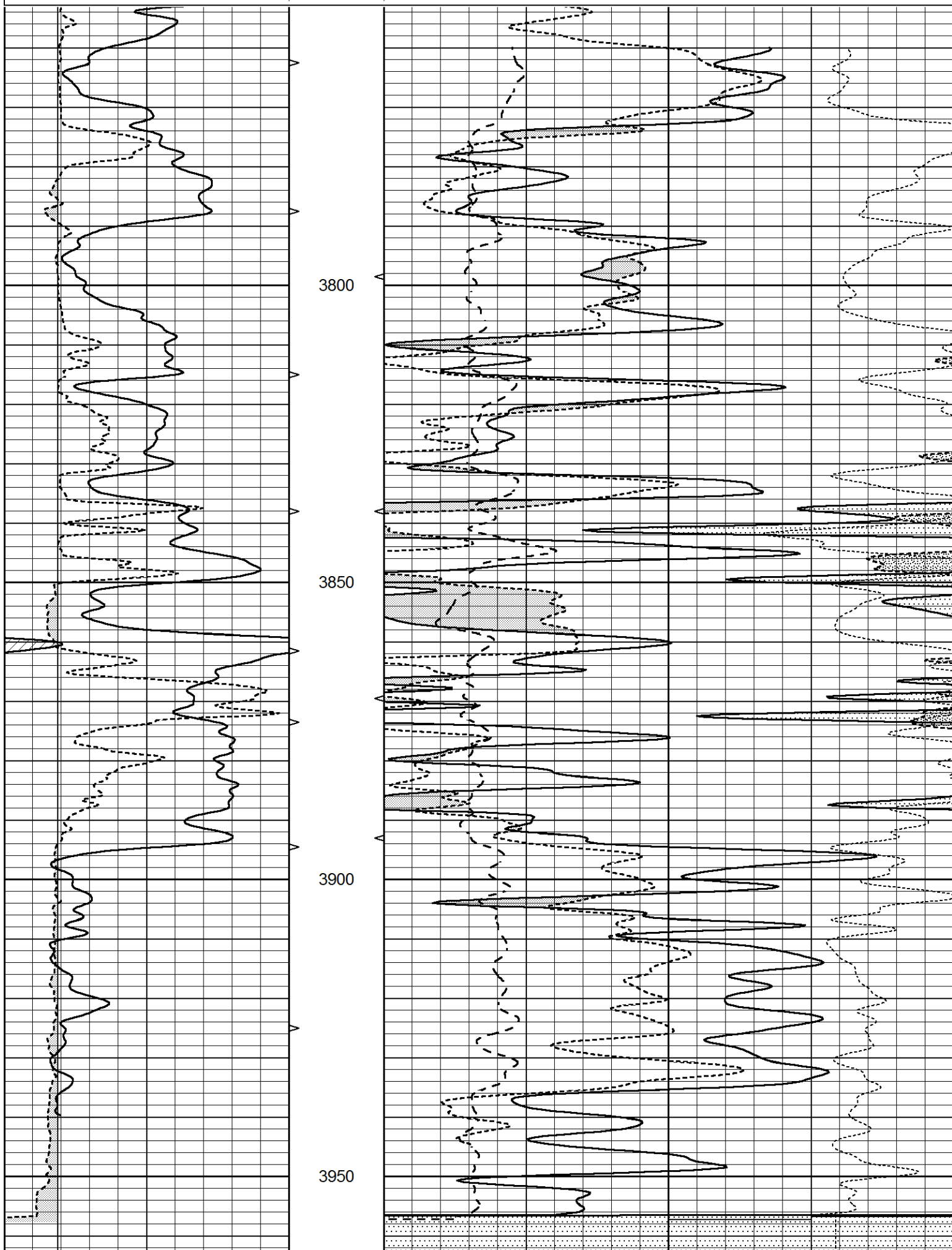
IBHV
0 (ft3) 10

0 PE

10 -0.25

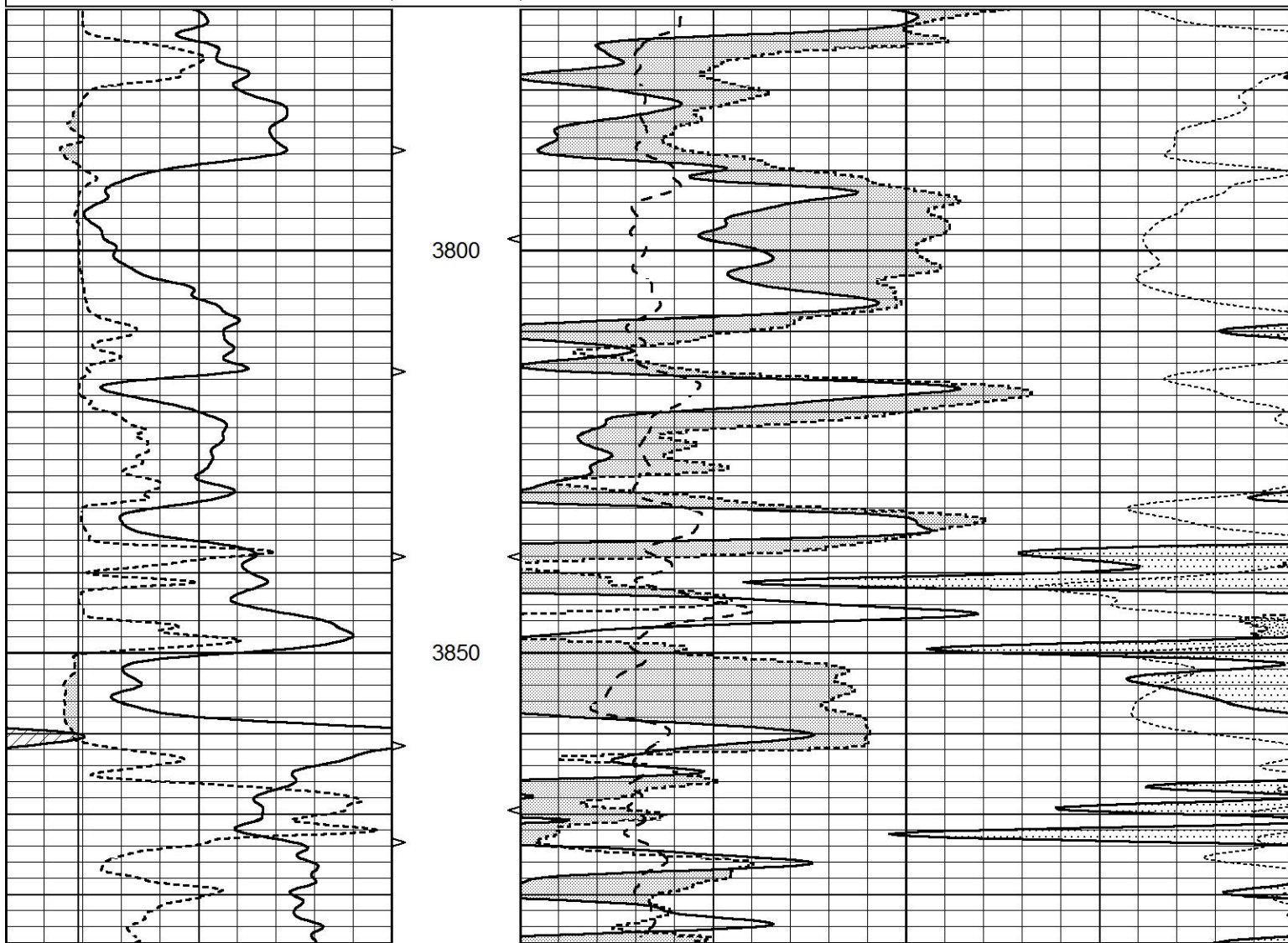
CORRECTION (g/cc)

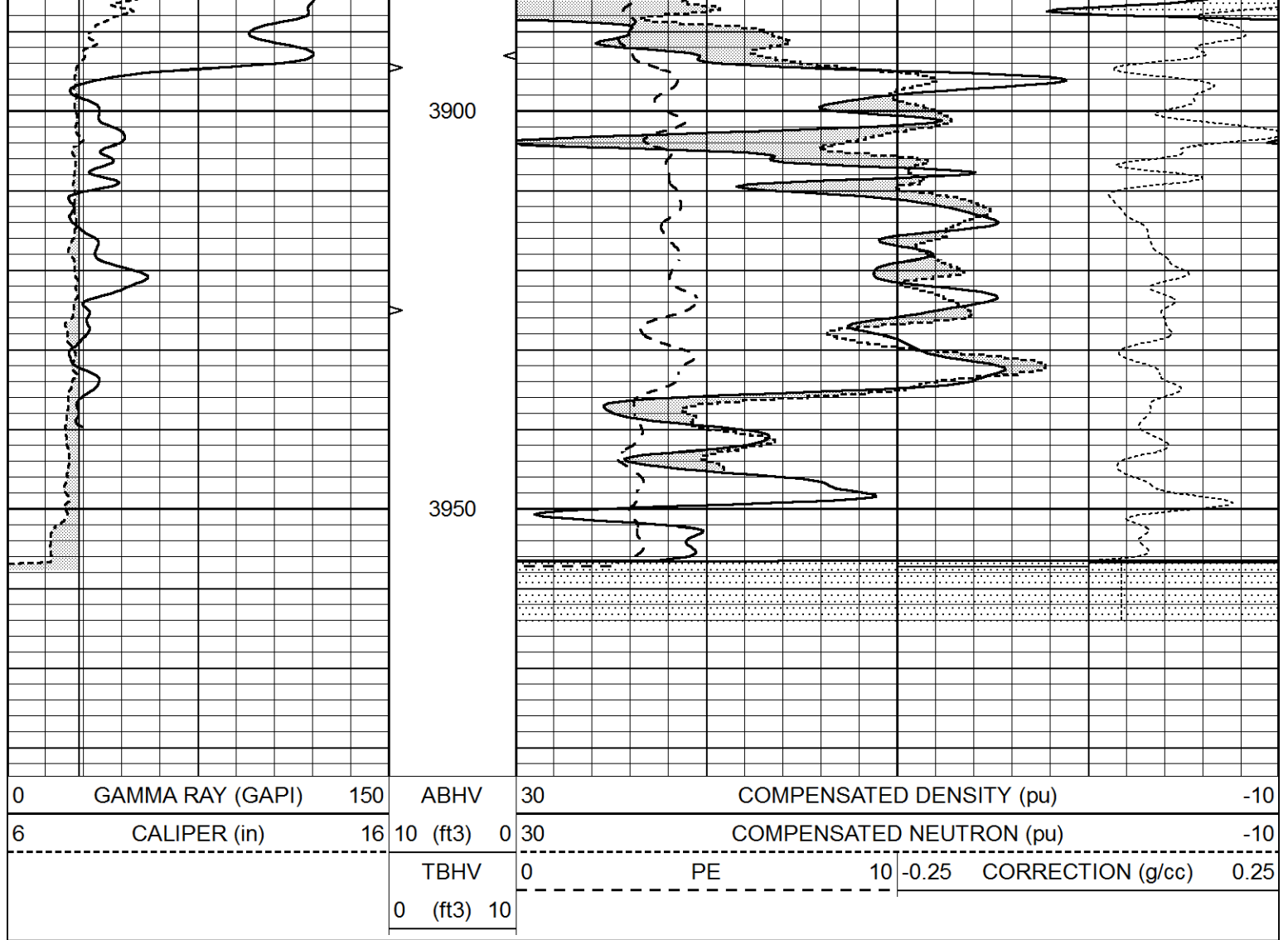
0.25



Database File	5208ddn.db
Dataset Pathname	pass2.2
Presentation Format	_ldt_neu
Dataset Creation	Sun Feb 07 23:21:11 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						





Calibration Report

Database File 5208ddn.db
 Dataset Pathname pass2.1
 Dataset Creation Sun Feb 07 23:15:24 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

Loop:	Readings			References			Results	
	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: 140703 Model: V4_10P Source Number: 74GBq-19								
Master Calibration					Performed: Wed Dec 02 12:04:44 2020			
	Background		Aluminum	Magnesium				
Window 1	595.38		5386.50	23898.92		cps		
Window 2	52.78		1248.21	5993.75		cps		
Window 4	251.36		1200.30	5155.55		cps		
Window 5	545.15		9066.30	17240.12		cps		
Window 6	43.35		1491.73	2929.24		cps		
Window 8	258.76		2917.82	5450.26		cps		
Bulk Density	-		2.6020	1.6830		g/cc		
Pe	-		3.0000	2.5070		b/e		
LS Alpha:	: -1.8726		SS Alpha:	: -0.7656		LS CPE:	: 1.0742	
LS Beta:	: 127345.0723		SS Beta:	: 20293.3834		SS CPE:	: 1.5427	
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: Wed Dec 02 12:04:44 2020			
Results	Readings		References (in)		Gain		Offset	
	Low	High	Low	High				

8003.0	11159.9	8.0	14.0	0.0	-7.2
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		