



COMPENSATED DENSITY/NEUTRON PE LOG

Company VINCENT OIL CORPORATION

Well KEOUGH #14-34

Field MULBERRY CREEK

County FORD State KANSAS

Location: API #: 15-057-21049-0000

460' FSL & 1440' FWL

SEC 34 TWP 28S RGE 23W

Permanent Datum GROUND LEVEL Elevation 2542
Log Measured From KELLY BUSHING 12' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
DIL/MEL
SONIC
Elevation
K.B. 2554
D.F. 2552
G.L. 2542

Date 3/10/21

Run Number ONE

Depth Driller 5340

Depth Logger 5343

Bottom Logged Interval 5319

Top Log Interval 4300

Casing Driller 8 5/8" @ 700

Casing Logger 700

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.1/58

pH / Fluid Loss 11.0/7.2

Source of Sample FLOWLINE

Rm @ Meas. Temp .56 @ 65F

Rmf @ Meas. Temp .42 @ 65F

Rmc @ Meas. Temp .67 @ 65F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .28 @ 128F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 1111

Maximum Recorded Temperature 128F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

Witnessed By TOM DUDGEON

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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

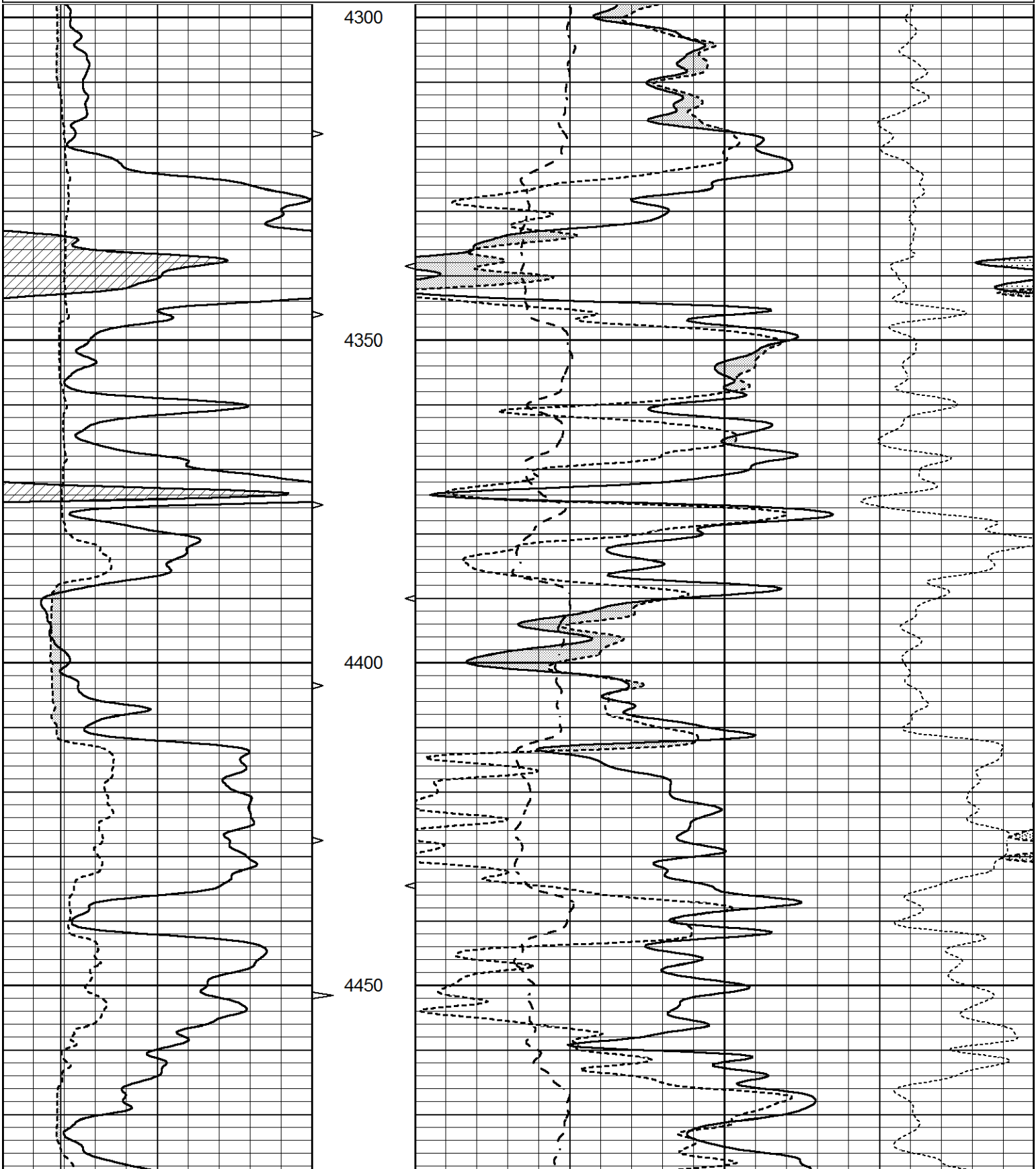
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
KINGSDOWN, KS. - 2 NORTH TO WILBURN RD. - 3 1/2 WEST - NORTH INTO

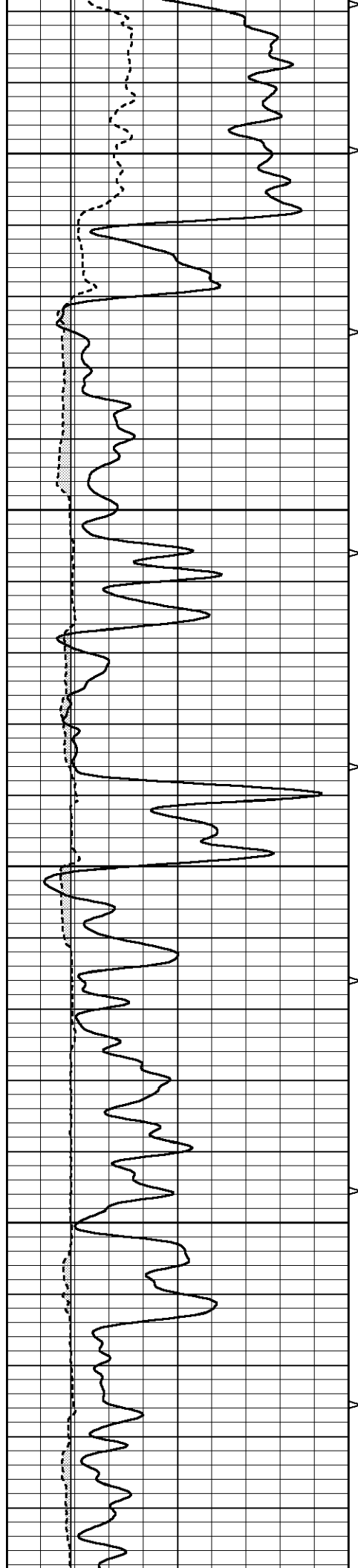


MAIN SECTION

Database File	5210pe.db
Dataset Pathname	pass3.1
Presentation Format	_ldt_neu
Dataset Creation	Wed Mar 10 05:36:02 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



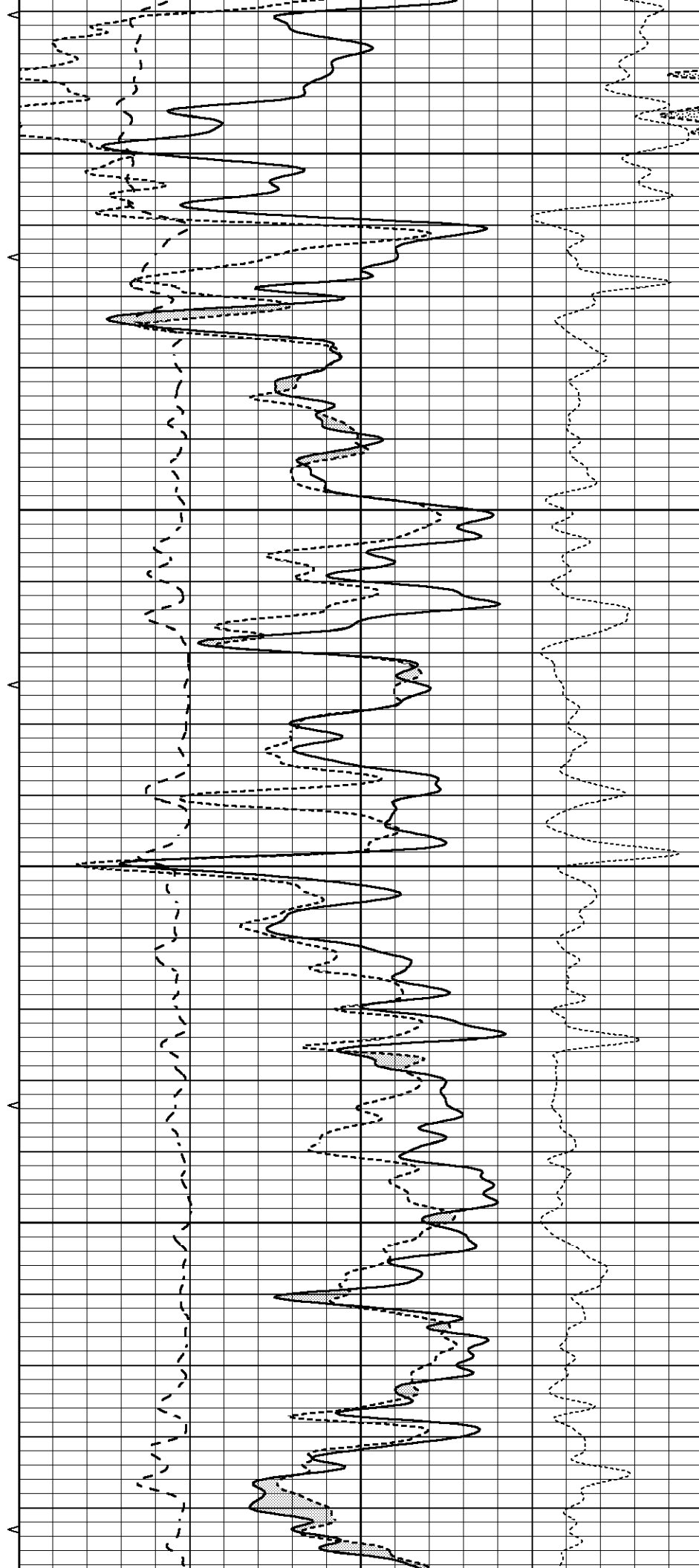


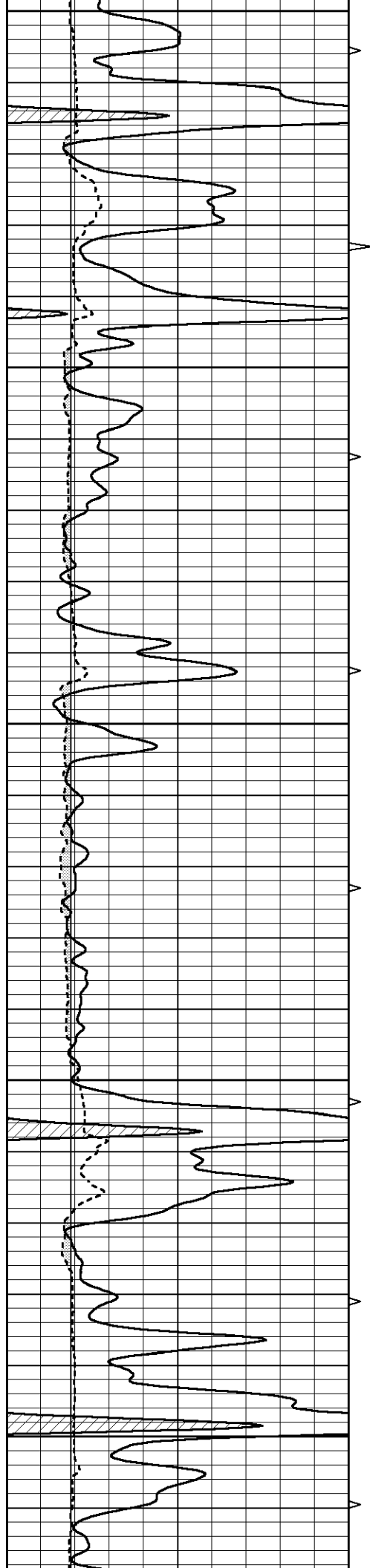
4500

4550

4600

4650





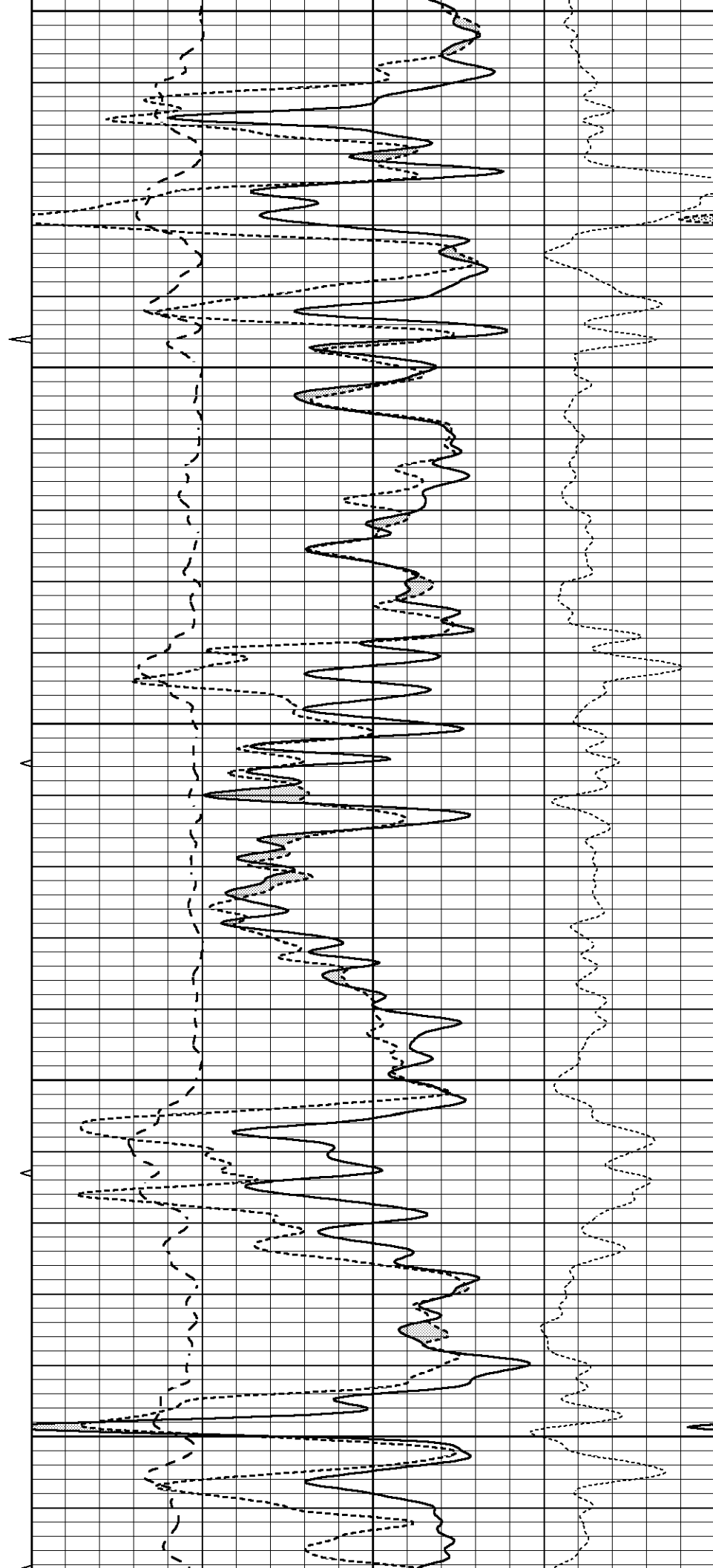
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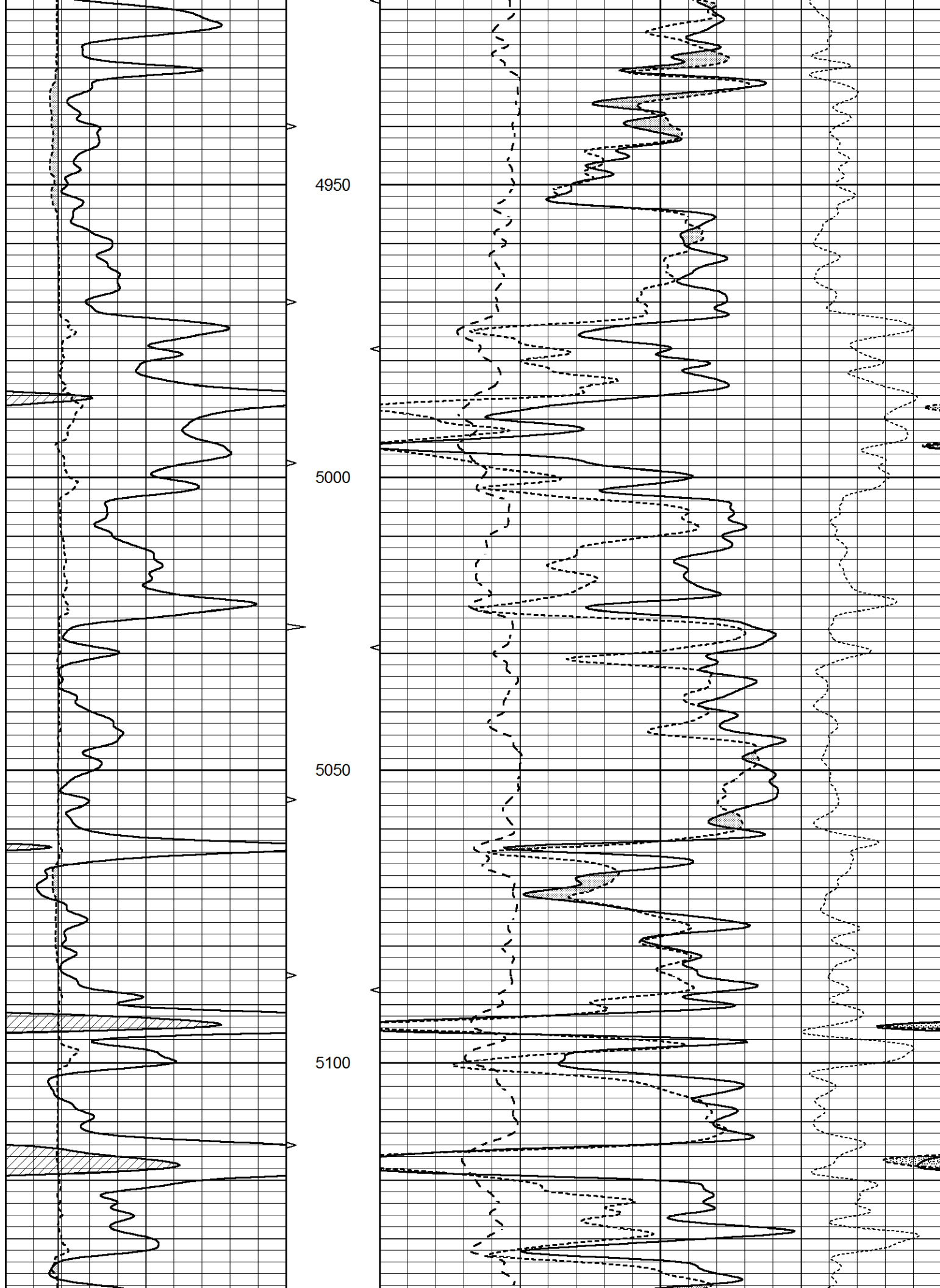
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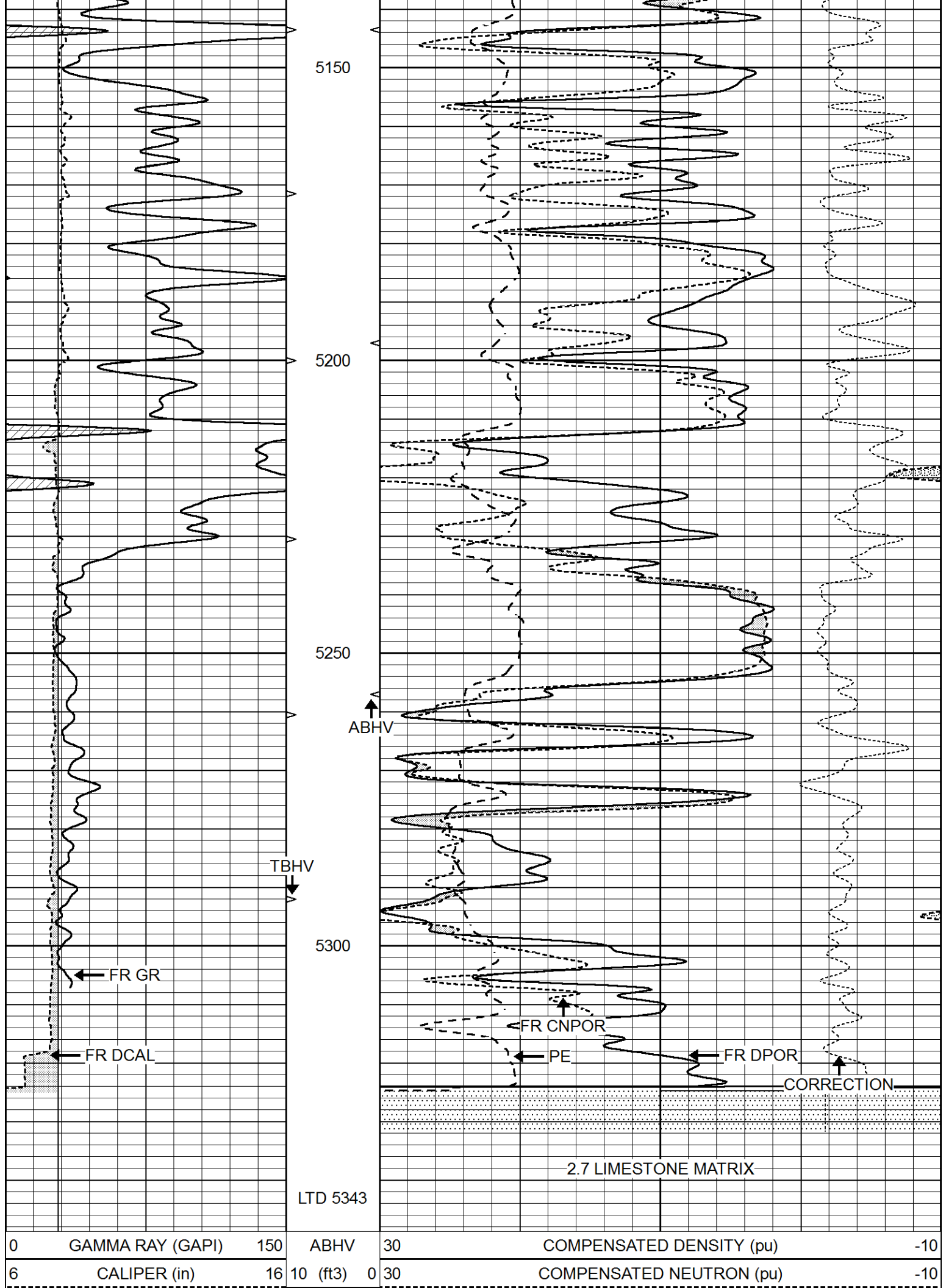
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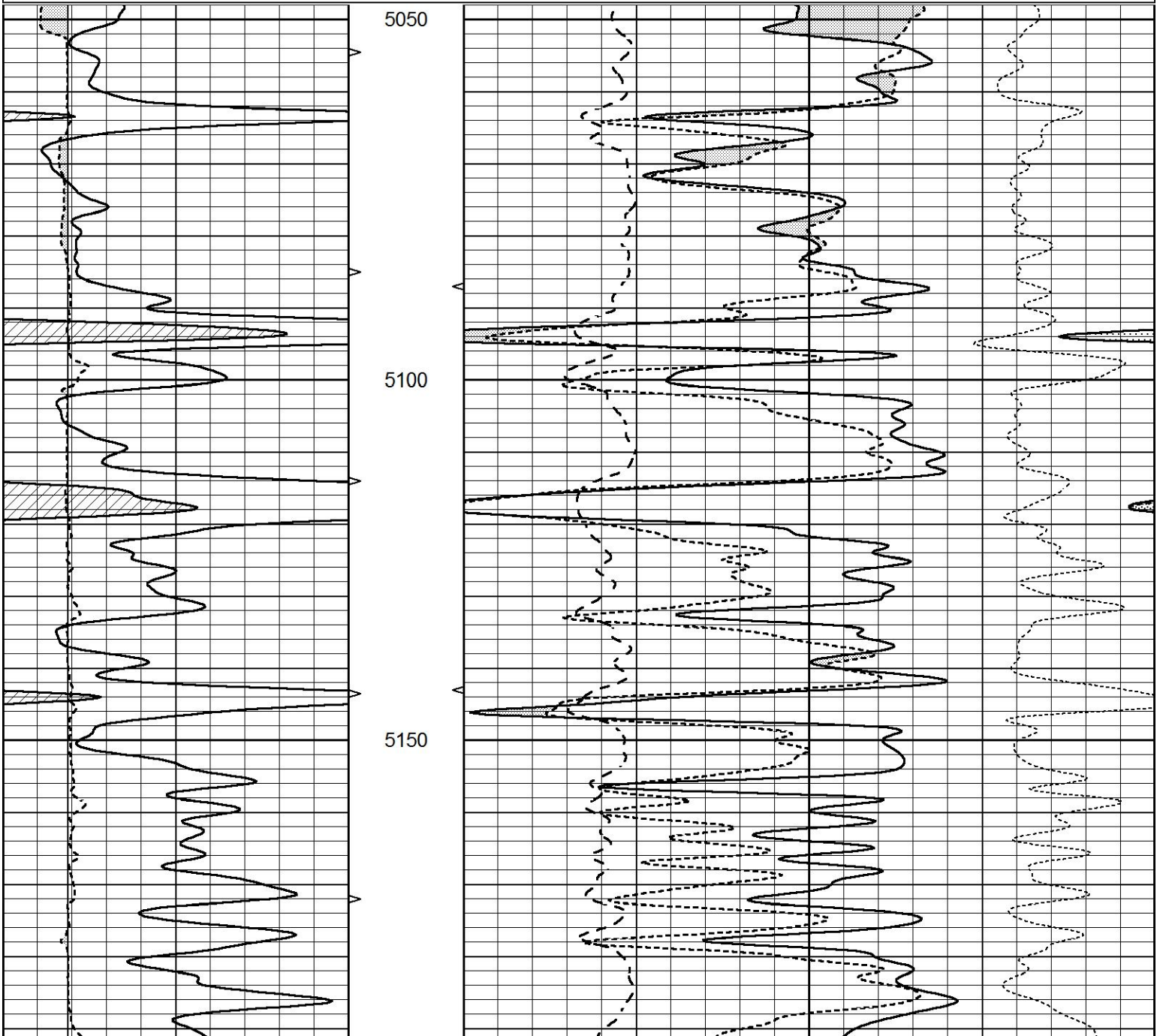
TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25
0 (ft3)	10					

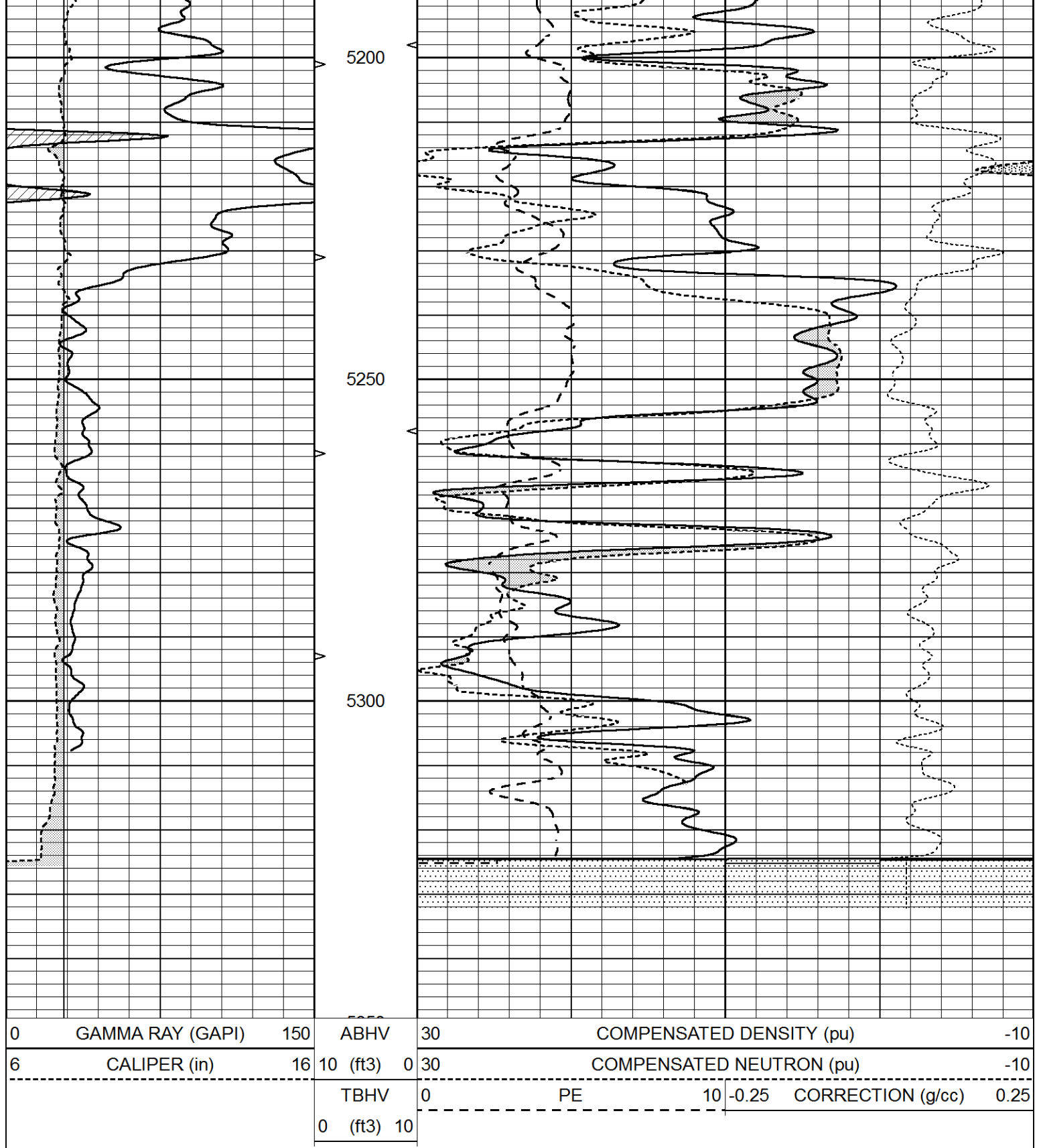


REPEAT SECTION

Database File 5210pe.db
 Dataset Pathname pass2.1
 Presentation Format _ldt_neu
 Dataset Creation Wed Mar 10 05:34:26 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	CORRECTION (g/cc)	0.25	
			0 (ft3)	10						





Calibration Report

Database File 5210pe.db
 Dataset Pathname pass2.1
 Dataset Creation Wed Mar 10 05:34:26 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: 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 80.00cps					
After Survey Background Counts VerificationPerformed: Wed Dec 31 18:00:00 1969					
Window 10.00cps					
Window 20.00cps					
Window 40.00cps					
Window 50.00cps					
Window 60.00cps					
Window 80.00cps					
Lithodensity Caliper CalibrationPerformed: Wed Dec 02 12:04:44 2020					
ResultsReadingsReferences (in)					
LowHighLowHighGainOffset					
8003.011159.98.014.00.0-7.2					
Before Survey Caliper VerificationPerformed:					
ReferenceReading					
Caliper (in)					
After Survey Caliper VerificationPerformed:					
ReferenceReading					
Caliper (in)					
Compensated Neutron Calibration Report					
Serial Number:080621PMC Tool Model:NABORS					
PRE-SURVEY VERIFICATION					
DetectorReadingsMeasuredTarget					
Short Spacecps					
Long Spacecpspu					
POST-SURVEY VERIFICATION					
DetectorReadingsMeasuredTarget					
Short Spacecps					
Long Spacecpspu					
Gamma Ray Calibration Report					
Serial Number:7 Tool Model:Probe1 Performed:Tue Jan 19 17:50:08 2021					
Calibrator Value:1.0GAPI					
Background Reading:0.0cps					
Calibrator Reading:1.0cps					
Sensitivity:0.5300GAPI/cps					