



COMPENSATED
DENSITY / NEUTRON
PE LOG

Company	SHAKESPEARE OIL COMPANY, INC.		
Well	WGM COMM #1-22		
Field	UNNAMED		
County	WICHITA	State	KANSAS
Location:	API # : 15-203-20381-0000 1970' FSL & 2614' FWL NE - SE - NE - SW		
Permanent Datum	GROUND LEVEL	Elevation	3195
Log Measured From	KELLY BUSHING 10' A.G.L.	Other Services DILMEL Elevation K.B. 3205 D.F. 3203 G.L. 3195	
Drilling Measured From	KELLY BUSHING		
Date	4/7/23		
Run Number	ONE		
Depth Driller	4825		
Depth Logger	4826		
Bottom Logged Interval	4802		
Top Log Interval	3700		
Casing Driller	8 5/8" @ 228'		
Casing Logger	228		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5,500 PPM	
Density / Viscosity	9.4/56		
pH / Fluid Loss	11.0/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.600 @ 64F		
Rmf @ Meas. Temp	.450 @ 64F		
Rmc @ Meas. Temp	.720 @ 64F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.312 @ 123F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	11:15 A.M.		
Maximum Recorded Temperature	123F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	VERN SCHRAG		

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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.

15-203-20381-0000

Comments

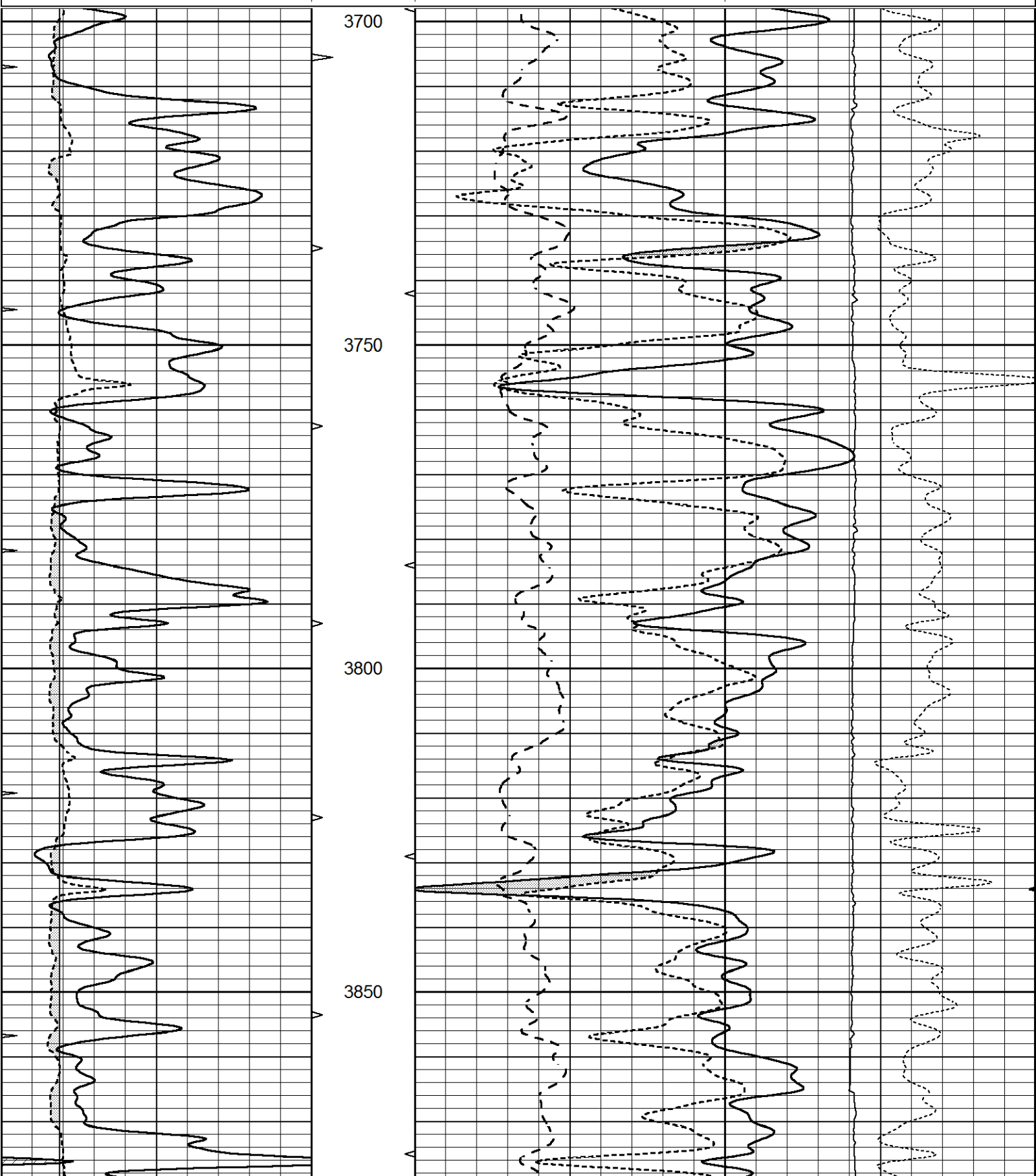
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
MARIENTHAL, KS. & HWY 96, 11N. ON "RD. 20" TO "RD. E", 2 1/2E., N. INTO

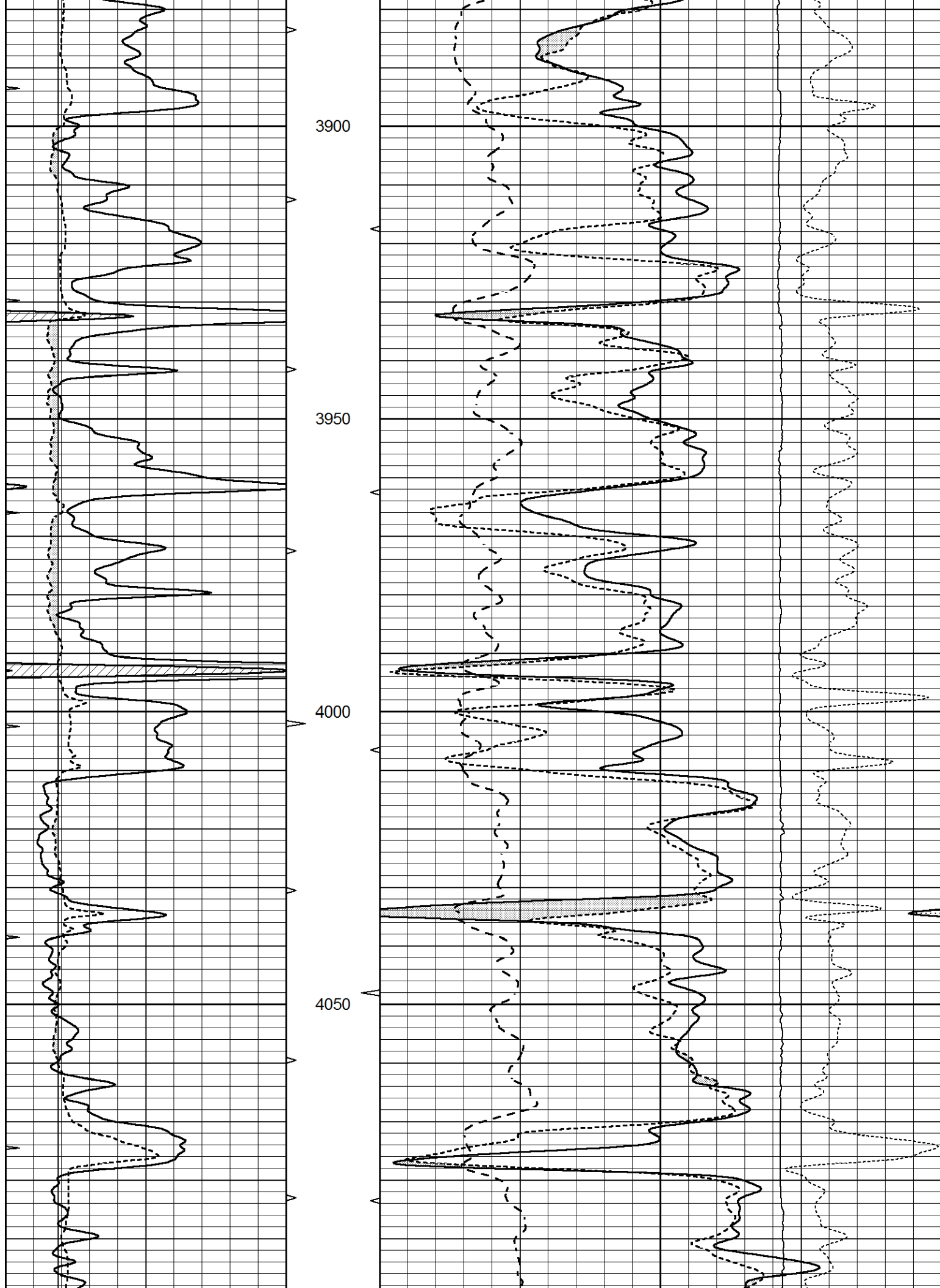


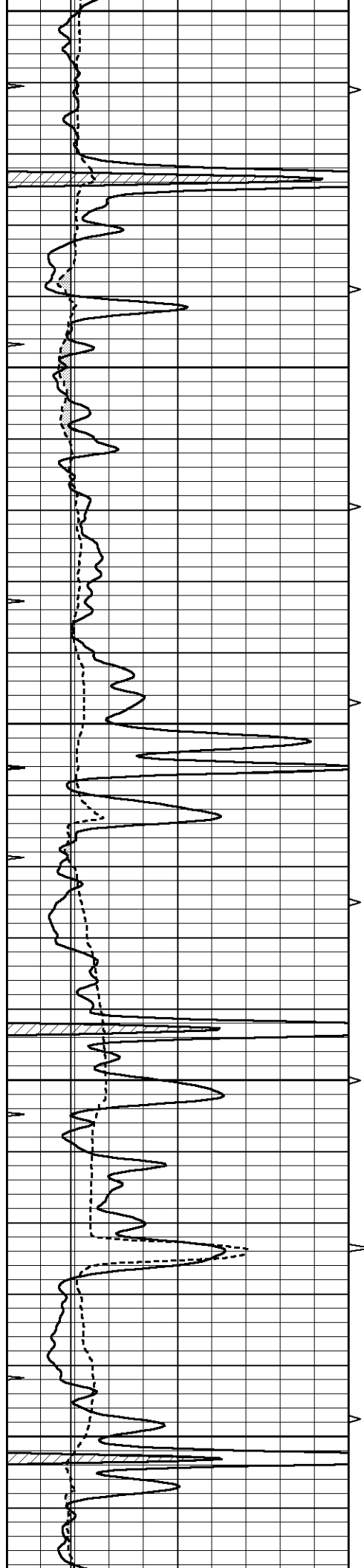
MAIN SECTION

Database File	7268pe.db
Dataset Pathname	pass3.1M
Presentation Format	_ldt_neu
Dataset Creation	Fri Apr 07 13:17:02 2023
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 -0.25
			0 (ft3)	10		CORRECTION (g/cc) 0.25
					0	LTEN (lb) 5000







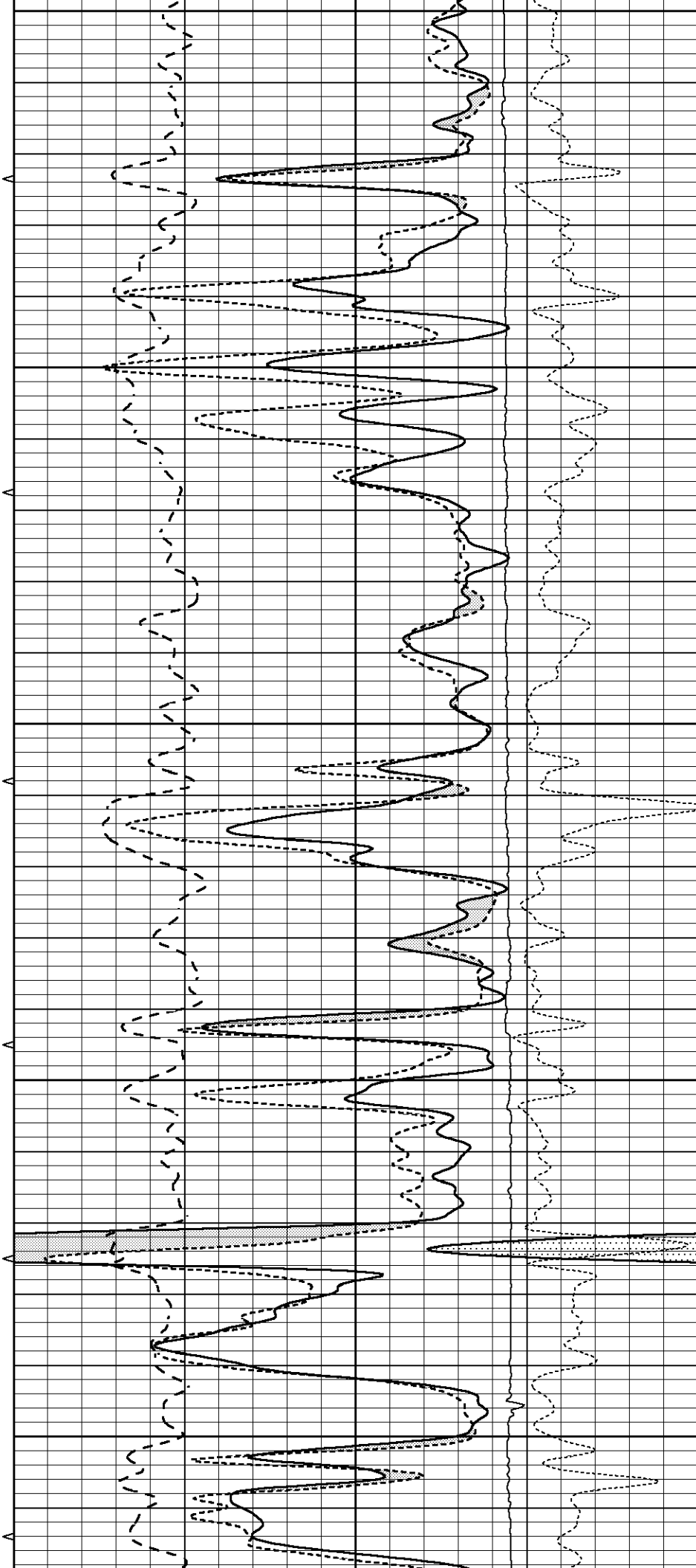
4100

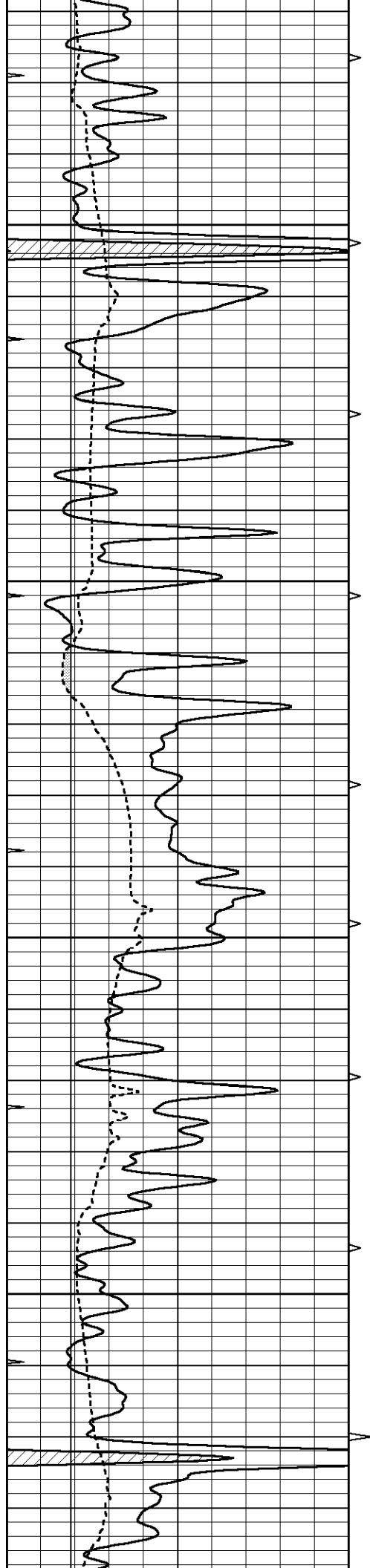
4150

4200

4250

4300



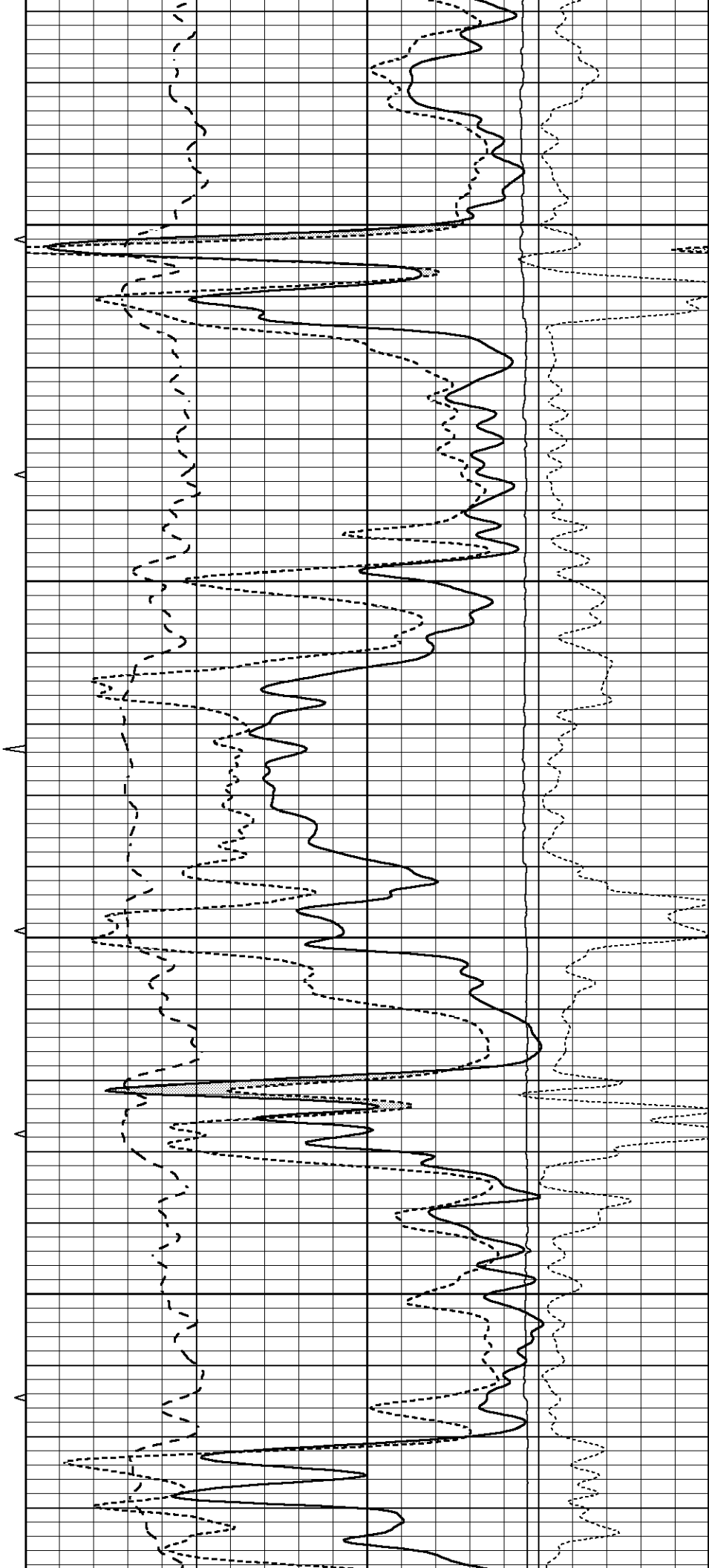


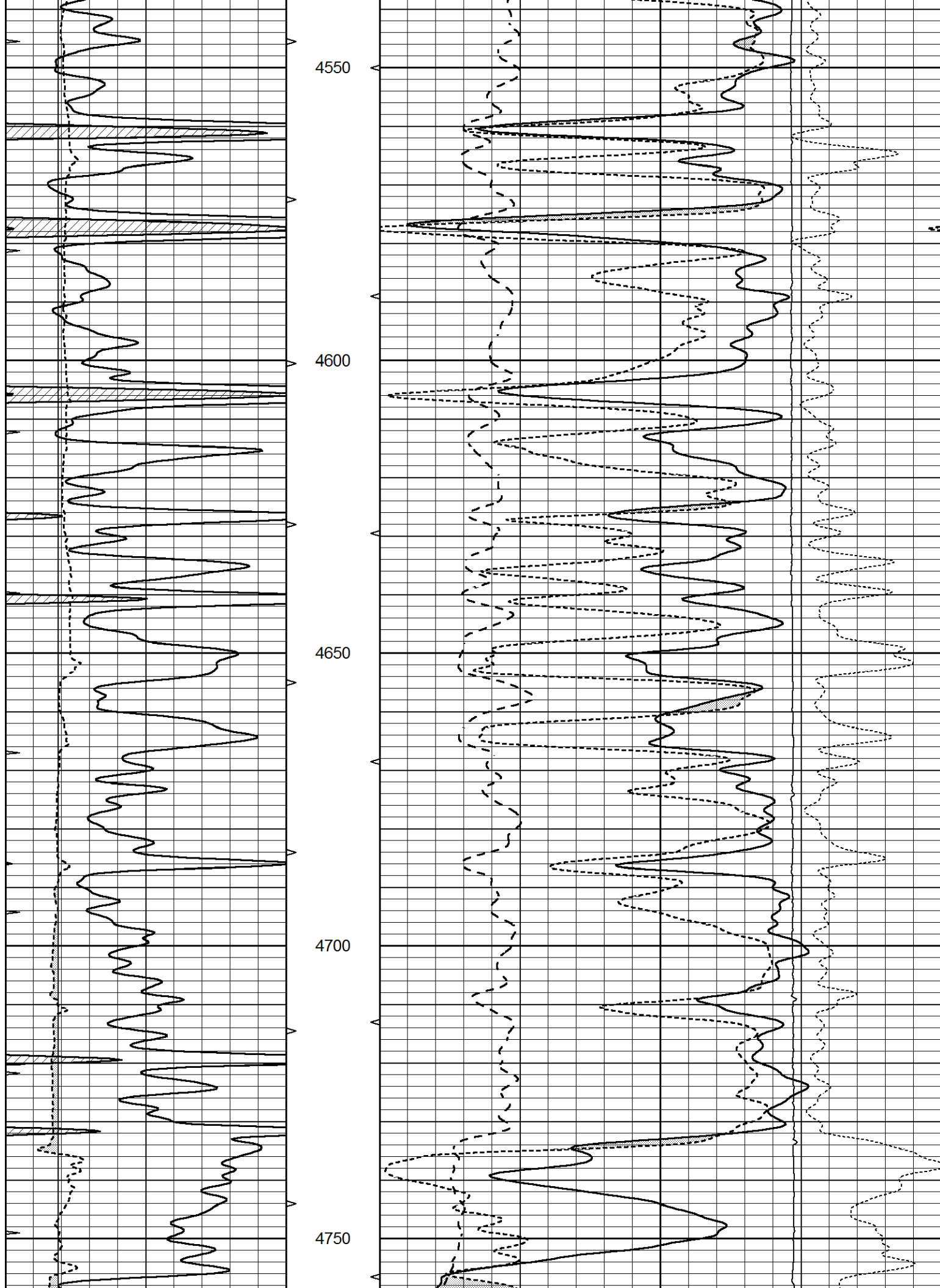
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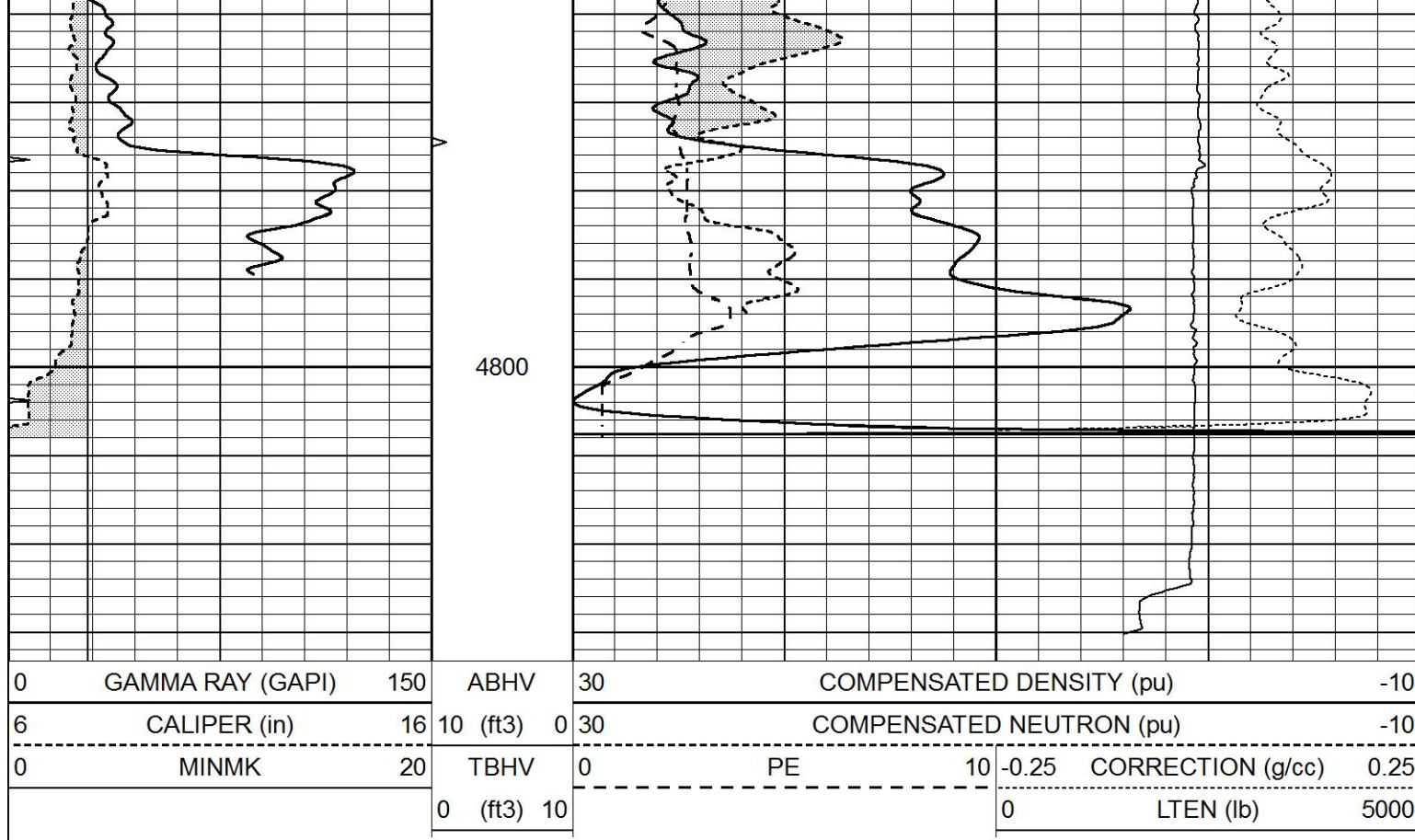
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4450

4500



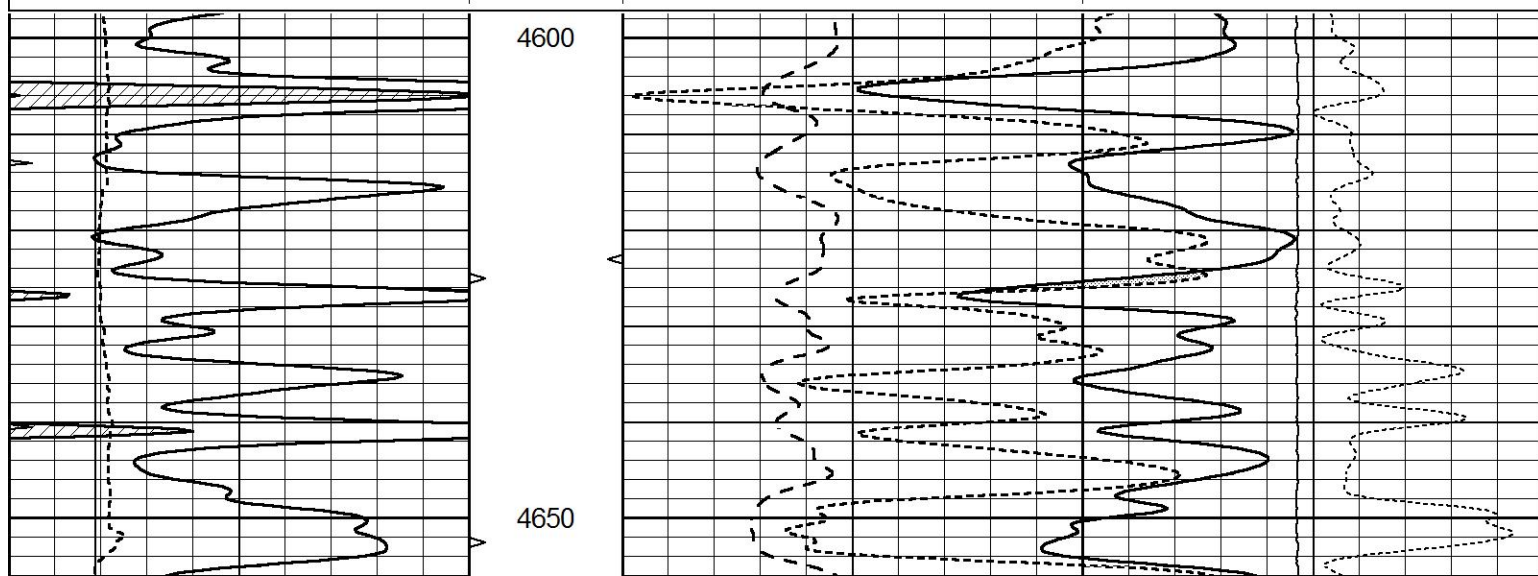


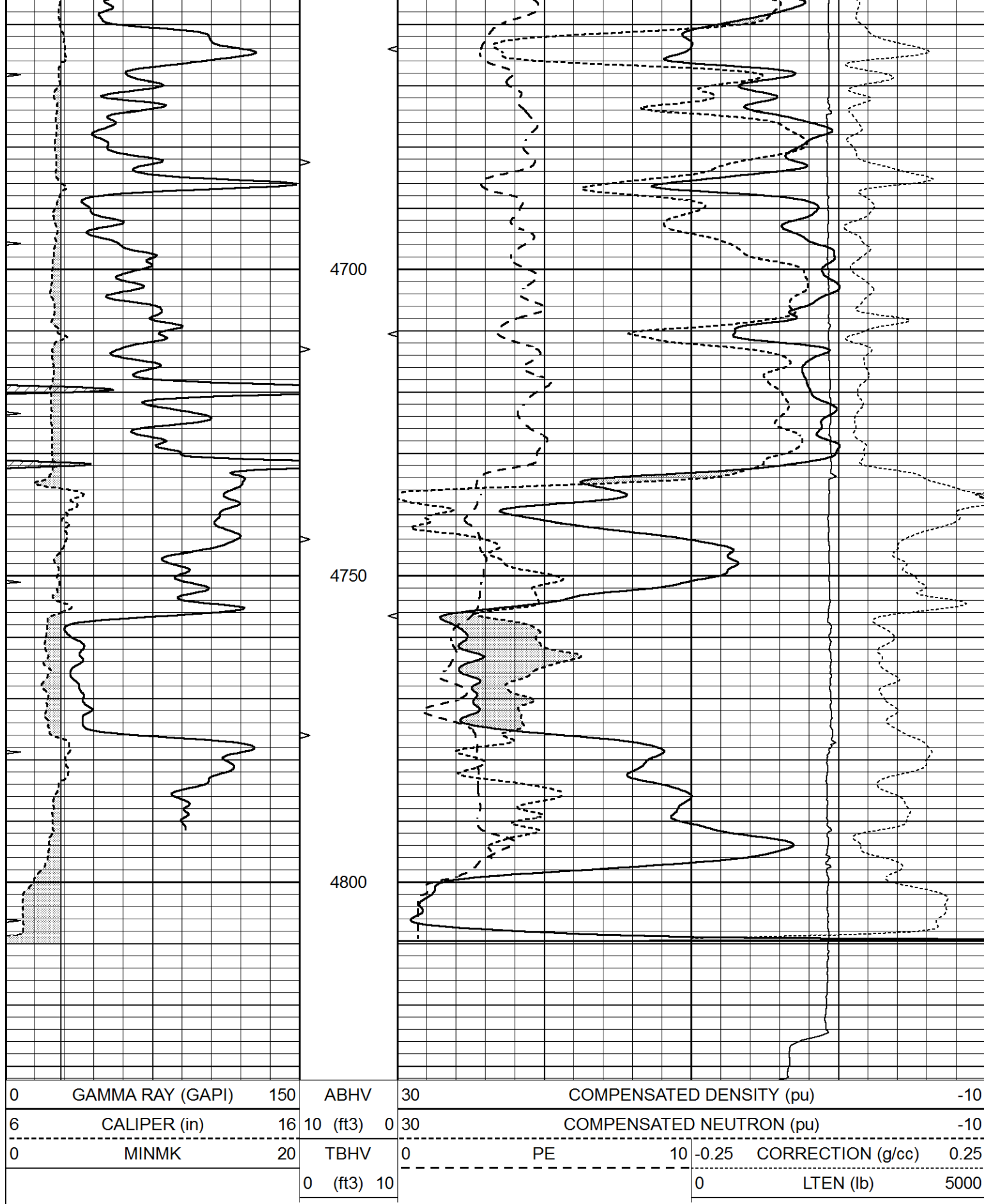


REPEAT SECTION

Database File 7268pe.db
 Dataset Pathname pass2.1R
 Presentation Format _ldt_neu
 Dataset Creation Fri Apr 07 13:30:29 2023
 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 7268pe.db
 Dataset Pathname pass3.1M
 Dataset Creation Fri Apr 07 13:17:02 2023

Dual Induction Calibration Report								
Serial-Model:			PROBE8-DILG					
Surface Cal Performed:			Fri Apr 07 11:58:49 2023					
Downhole Cal Performed:			Mon Jul 28 11:08:27 2008					
After Survey Verification Performed:			Mon Jul 28 11:08:27 2008					
Surface Calibration								
Readings			References				Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	640.000	18.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	625.000	2.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739
Downhole Calibration								
Readings			References				Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	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
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	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: 004			Model: PRB					
Master Calibration								
Performed Tue Aug 02 11:29:35 2022								
	Background		Magnesium		Aluminum		Aluminum+Fe	
Window 1	1154.2		10019.5		3137.9		2795.6	cps
Window 2	1054.4		8597.6		2733.4		2469.5	cps
Window 3	902.3		5241.4		1832.1		1719.3	cps
Window 4	251.9		261.1		255.8		252.9	cps
Long Space	0.0		7543.2		1679.0		1415.0	cps
Short Space	4.4		2049.3		1321.7		1116.8	cps
Rho			1.7100		2.5900		0.0000	g/cc
Pe			2.0000		2.7500		5.7900	
Rib Angle	: 43.7		Rib Slope	: 0.957	Density/Spine Ratio		: 0.562	
Spine Angle	: 73.7		Spine Slope	: 3.426	Spine Intercept		: -17.2	
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 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	

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Compensated Neutron Calibration Report
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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:	070558	
Tool Model:	OPEN_GR	
Performed:	Fri Apr 07 09:33:04 2023	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2800	GAPI/cps