



COMPENSATED DENSITY/NEUTRON LOG

Company	PHILLIPS EXPLORATION CO. L.C.	Company	PHILLIPS EXPLORATION COMPANY, L.C.
Well	ERIC LITTLECHILD #1-34	Well	ERIC LITTLECHILD #1-34
Field	MARY HANNA	Field	MARY HANNA
County	GRAHAM	County	GRAHAM
State	KANSAS	State	KANSAS
Location:	API # : 15-065-24322-0000 1700' FSL & 1100' FWL NE - SE - NW - SW	Other Services DIL/MEL	
Permanent Datum	GROUND LEVEL	Elevation	2325
Log Measured From	KELLY BUSHING 5' A.G.L.	K.B. 2330 D.F. 2328 G.L. 2325	
Drilling Measured From	KELLY BUSHING		
Date	10/3/24		
Run Number	ONE		
Depth Driller	4000		
Depth Logger	4000		
Bottom Logged Interval	3976		
Top Log Interval	1800		
Casing Driller	8.625@220		
Casing Logger	220		
Bit Size	7.785		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5.000 PPM	
Density / Viscosity	9.1/58		
pH / Fluid Loss	10.5/6.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.750@89F		
Rmf @ Meas. Temp	.563@89F		
Rmc @ Meas. Temp	.900@89F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.575@116F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	3:30 P.M.		
Maximum Recorded Temperature	116F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	BLAKE MILLER		

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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.

15-065-24322-0000

Comments

THANK YOU FOR USING ELI WIRELINE HAYS. KANSAS (785) 628-6395
DIRECTIONS

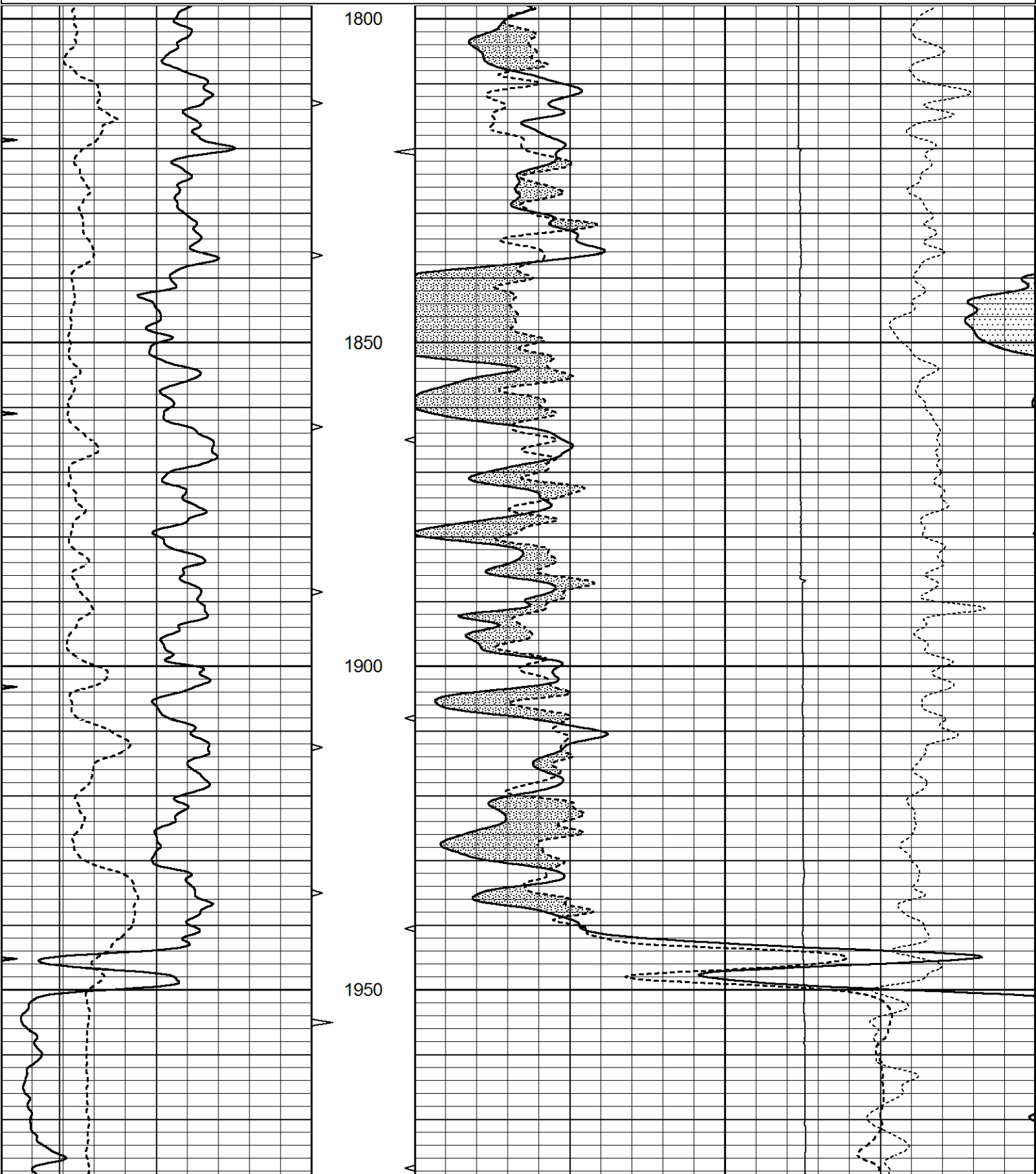
WAKEENEY, KS., (I-70 & HWY 283) 8N. OM HWY 283 TO "RD. B", 6W. TO "RD. 200", 1N., 1/2W. TO
CURVE, N. TO FARM DRIVE, W. INTO PAST SHED

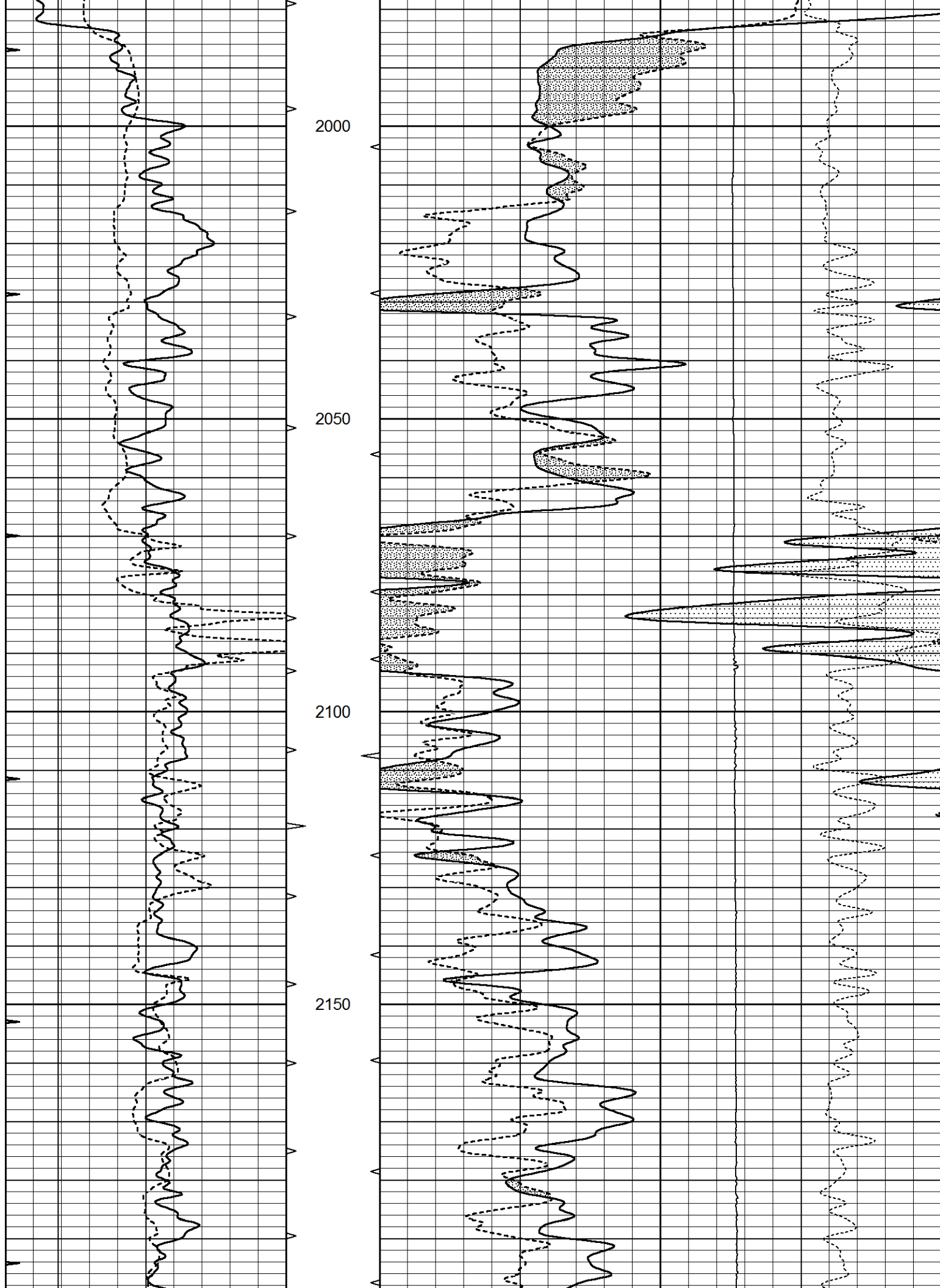


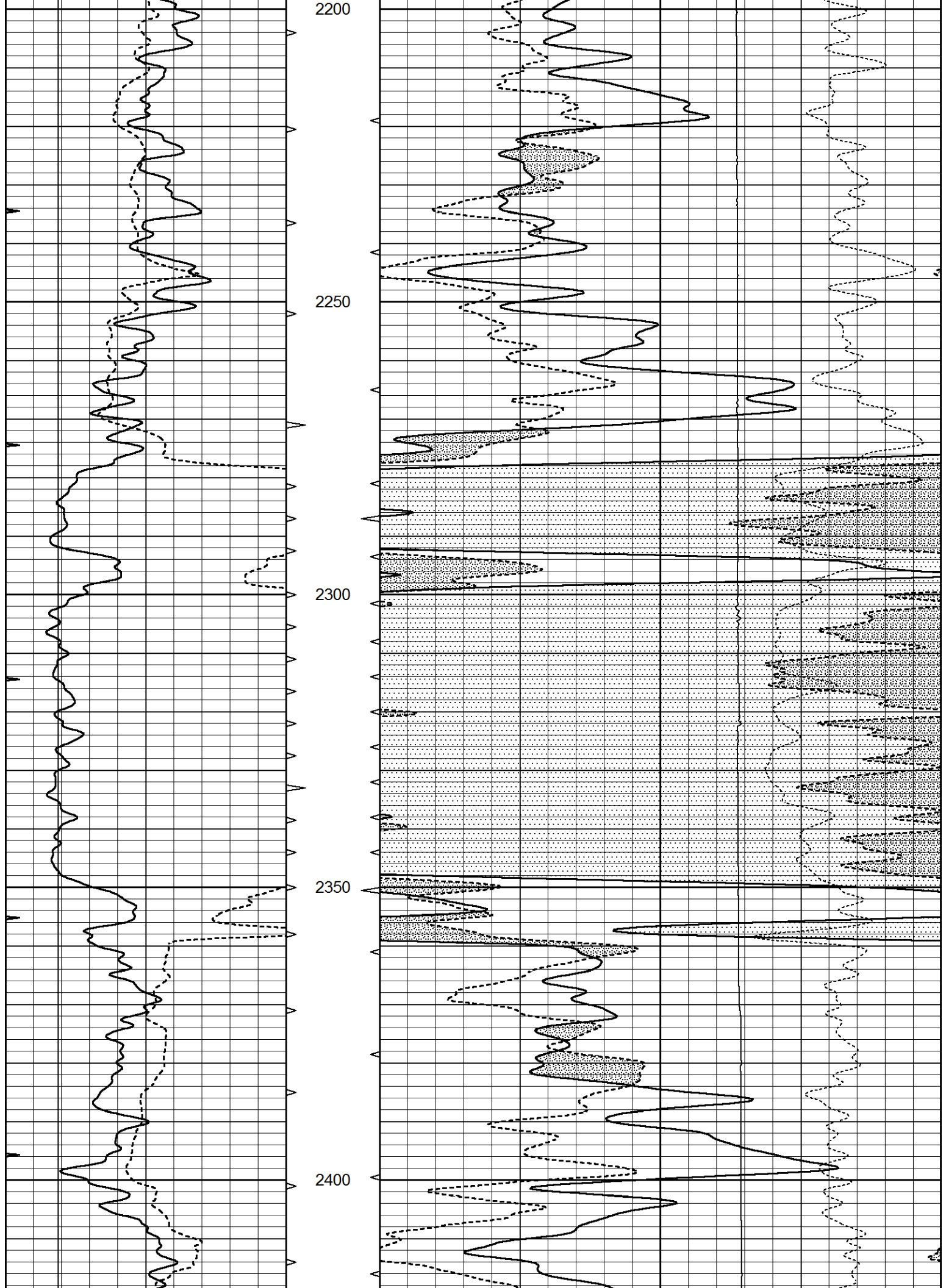
MAIN SECTION

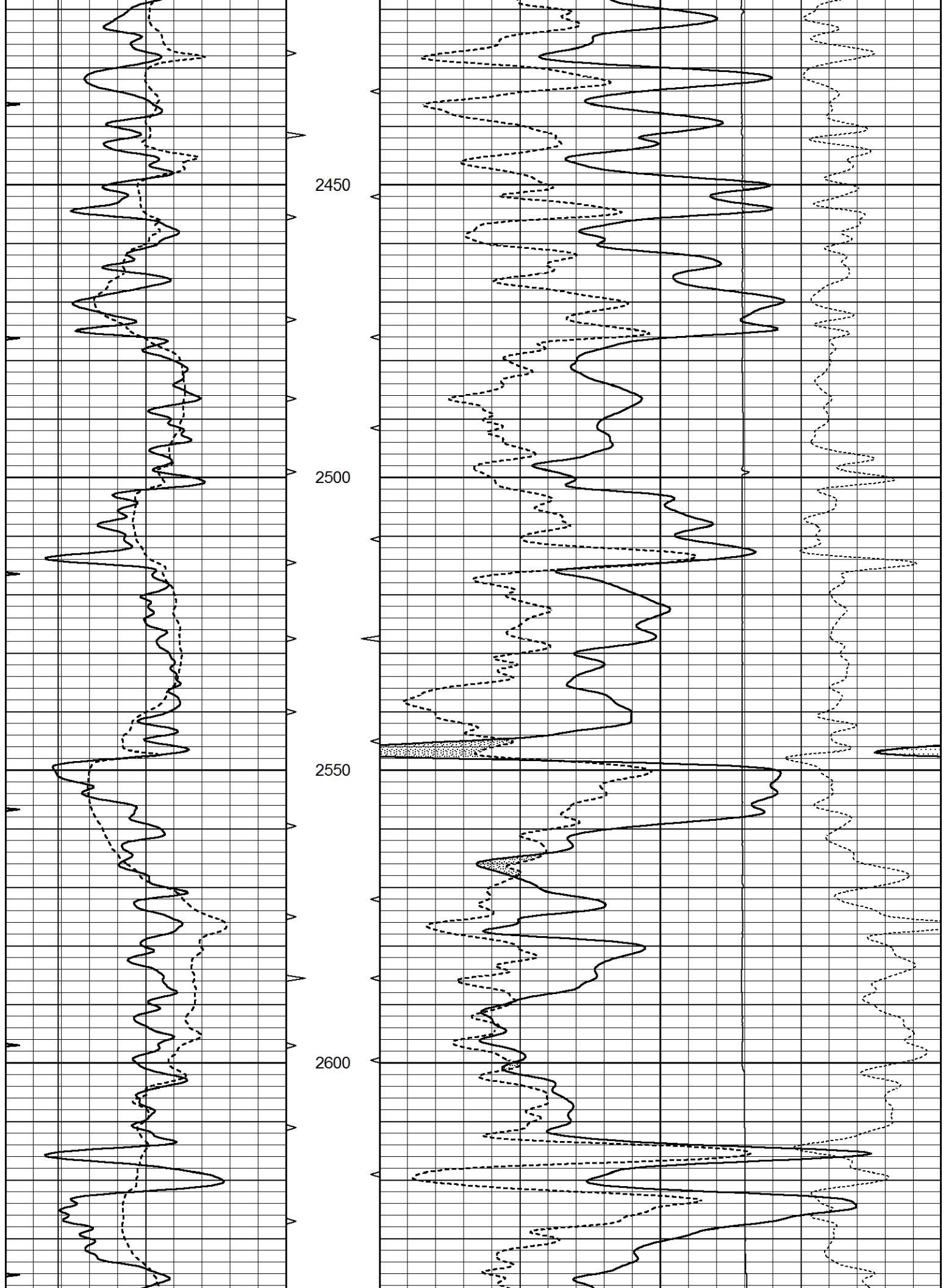
Database File	8954ddn.db
Dataset Pathname	pass3.1M
Presentation Format	_den_neu
Dataset Creation	Thu Oct 03 17:44:14 2024
Charted by	Depth in Feet scaled 1:240

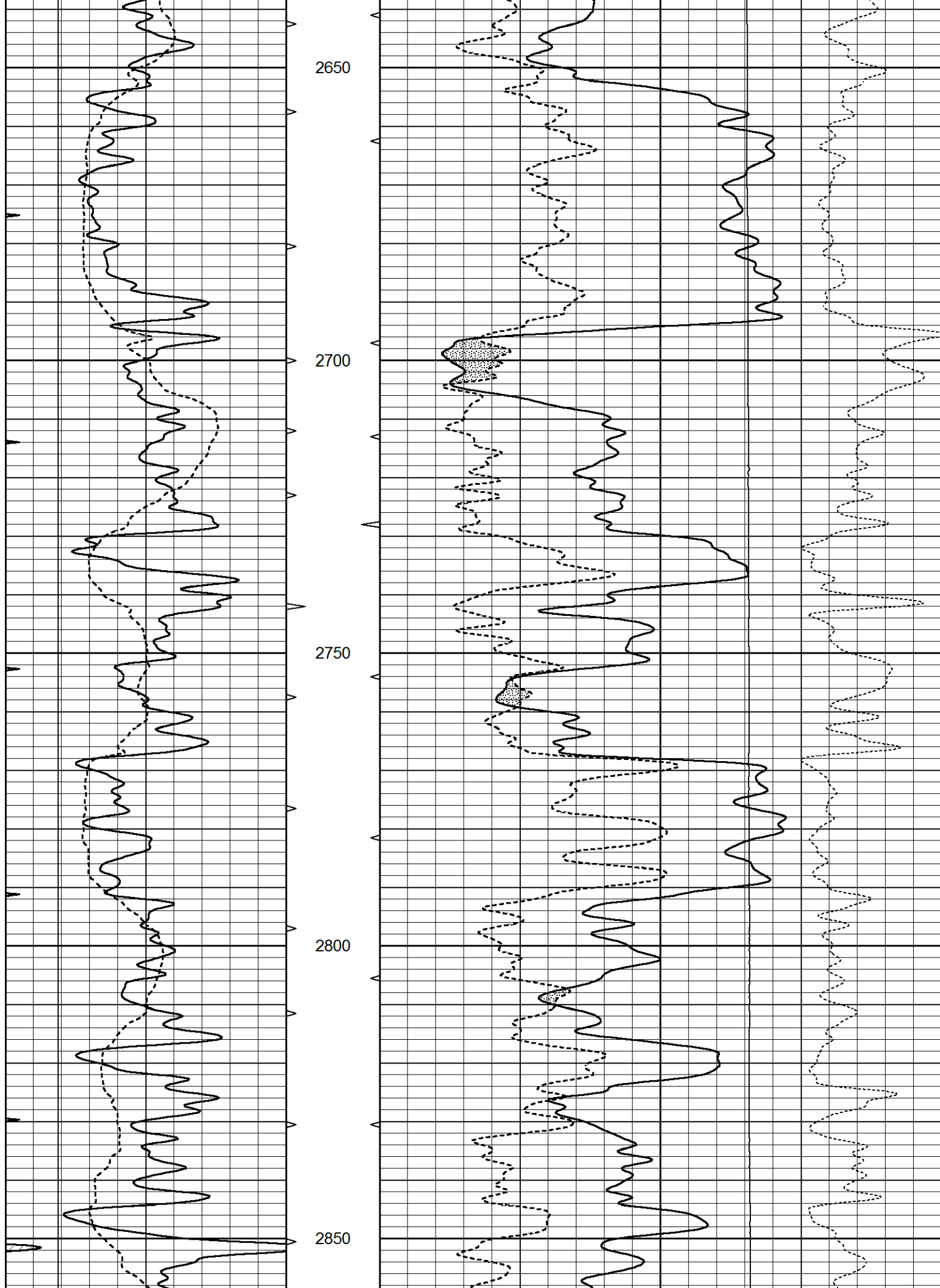
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)			-10	
6	DCAL (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)			-10
0	MINMK	20	TBHV			-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3)	10		0	LTEN (lb)	5000	

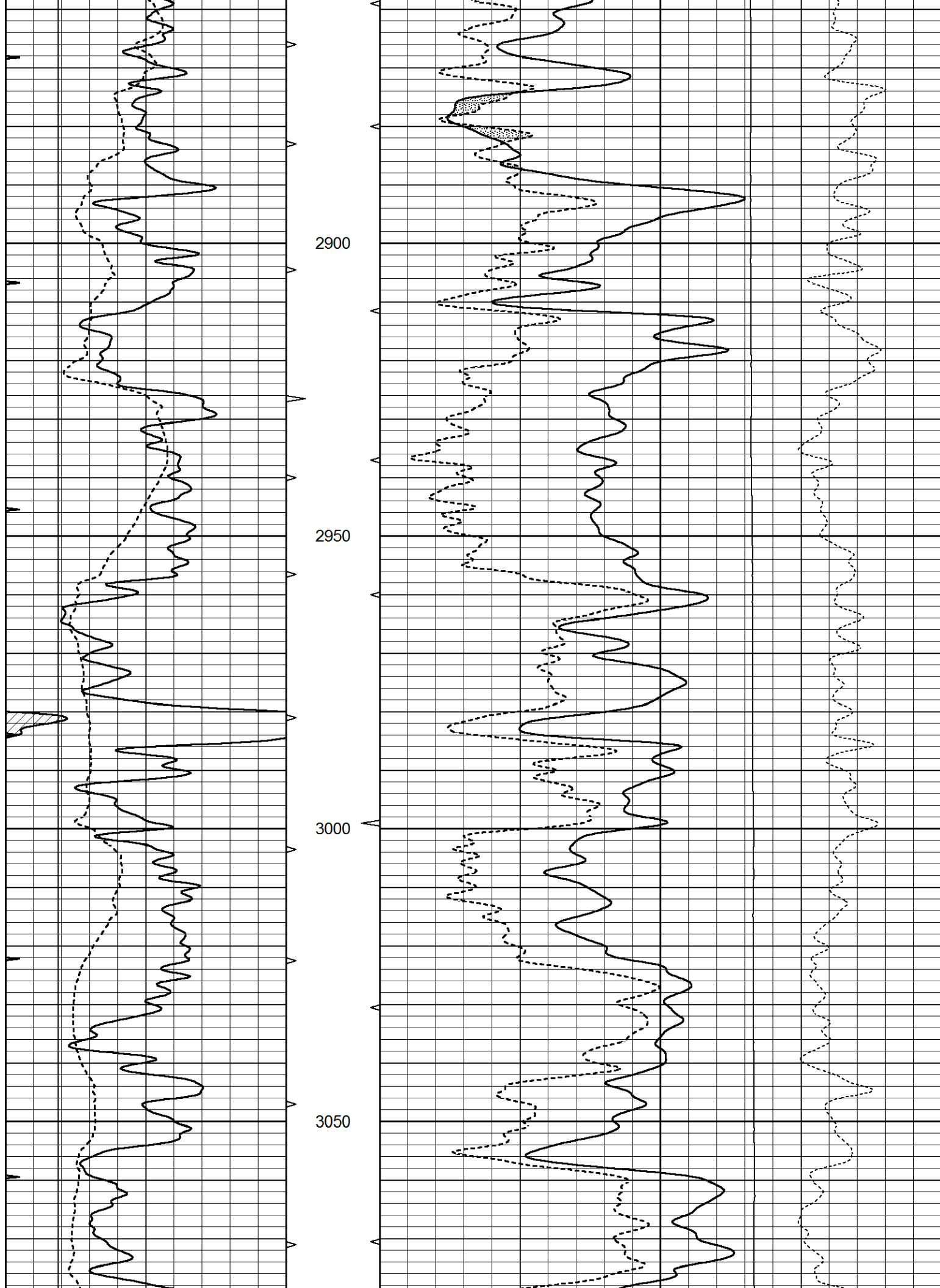


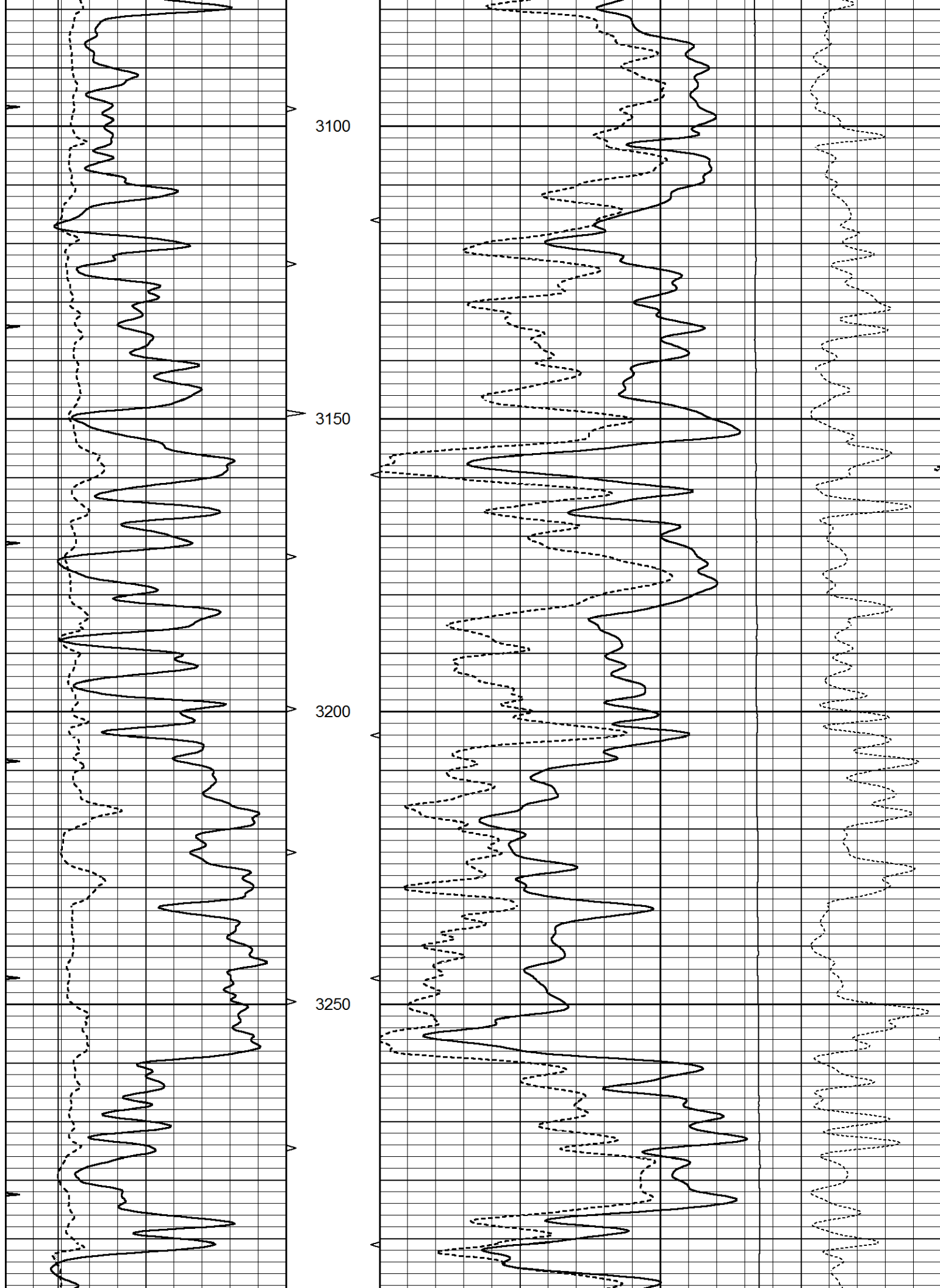


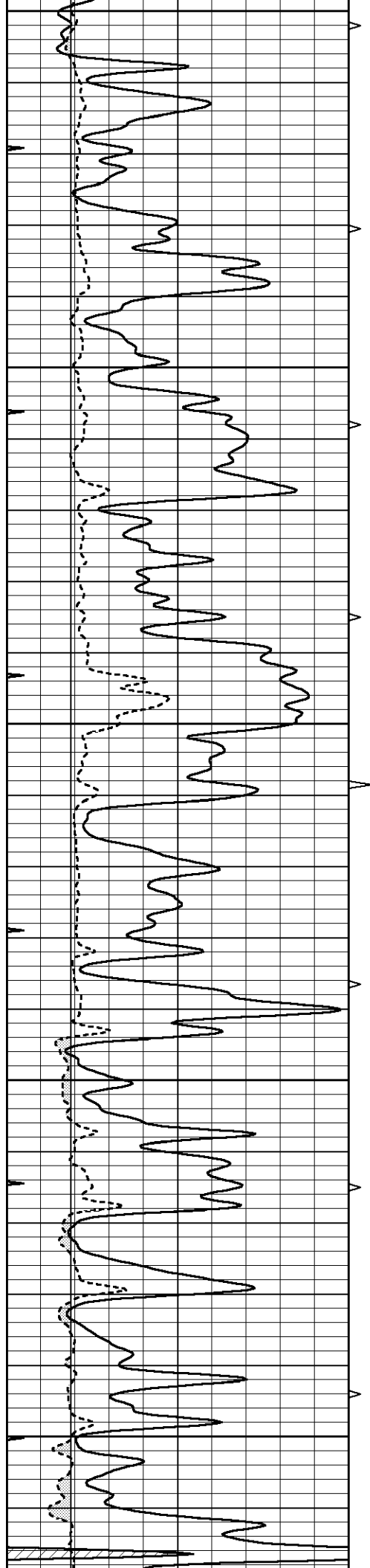












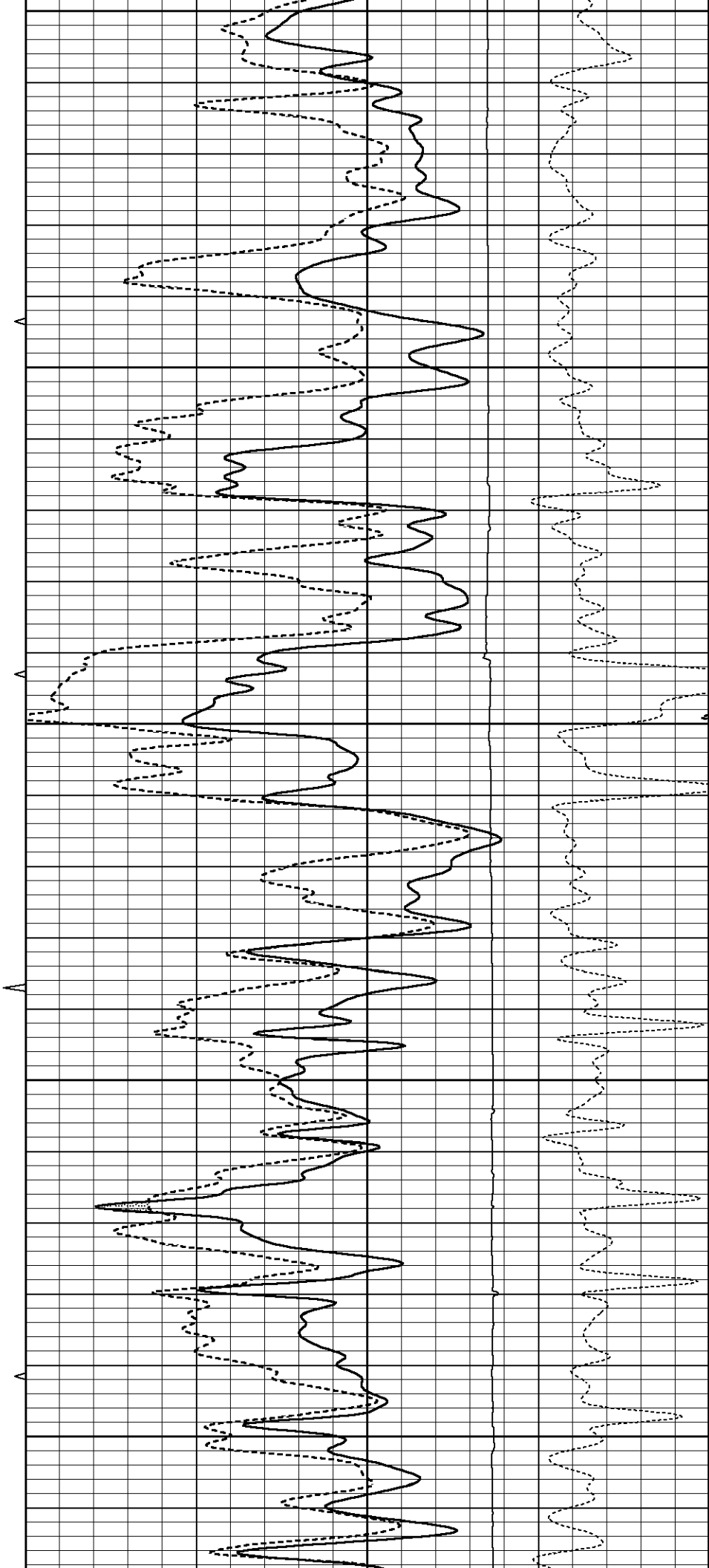
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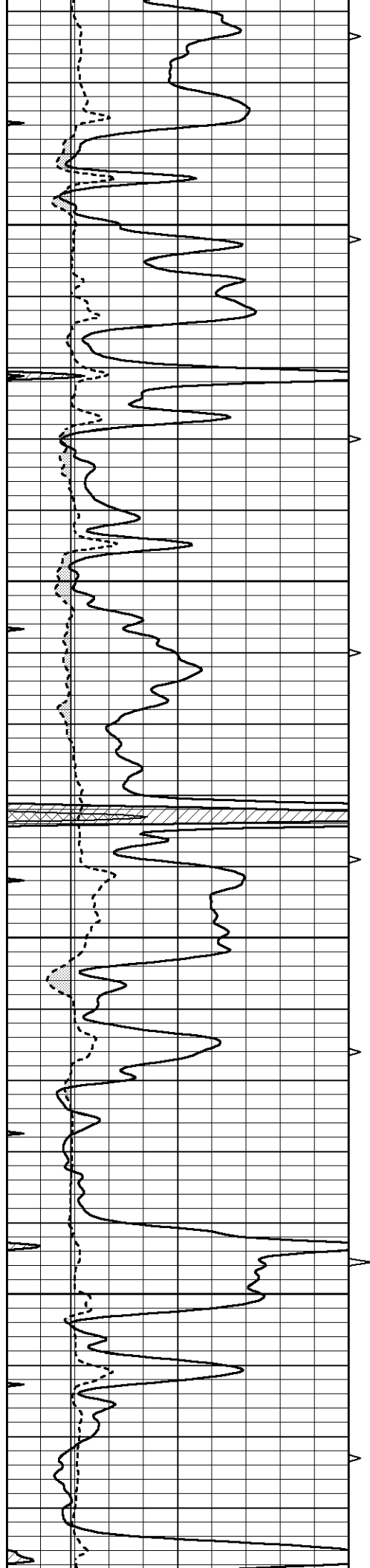
3350

3400

3450

3500



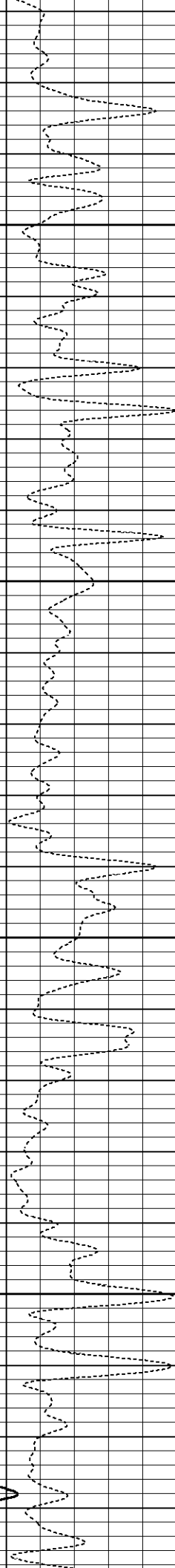
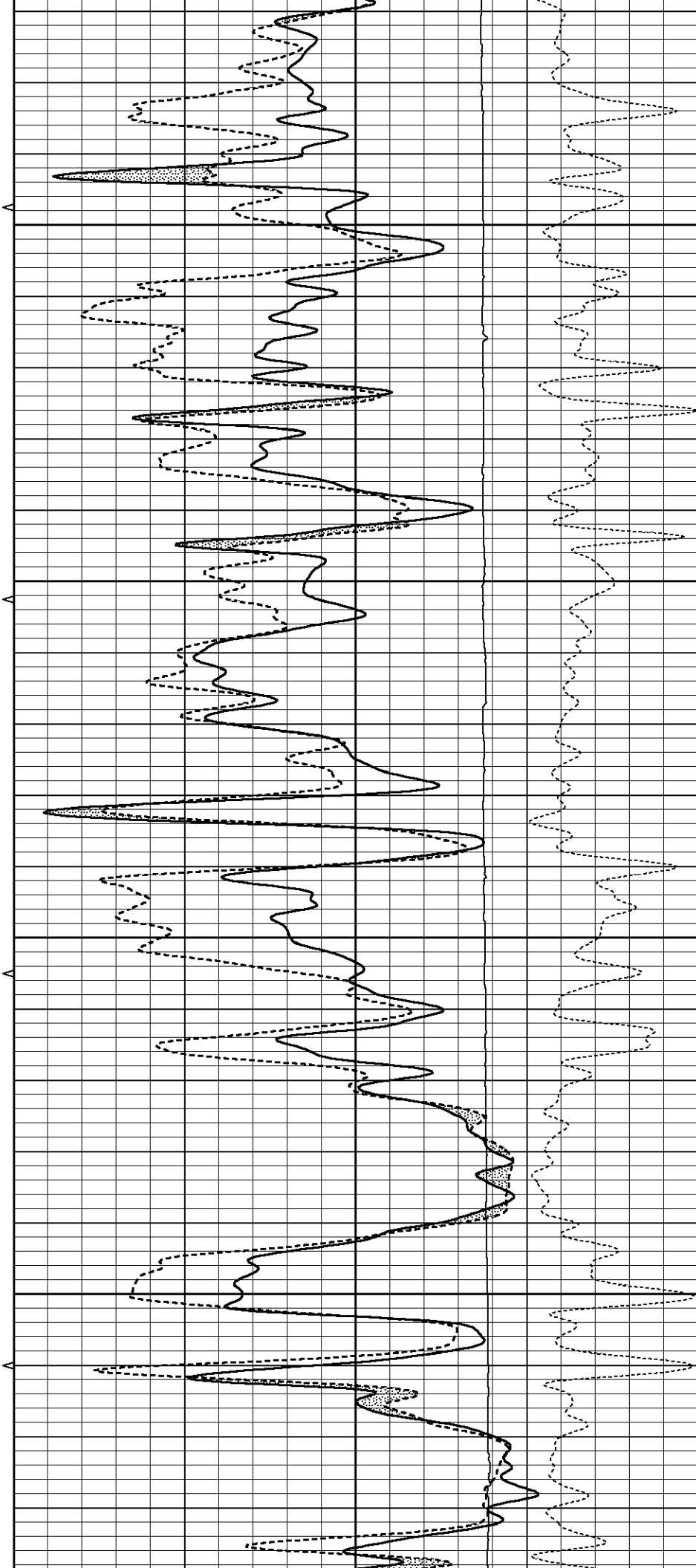


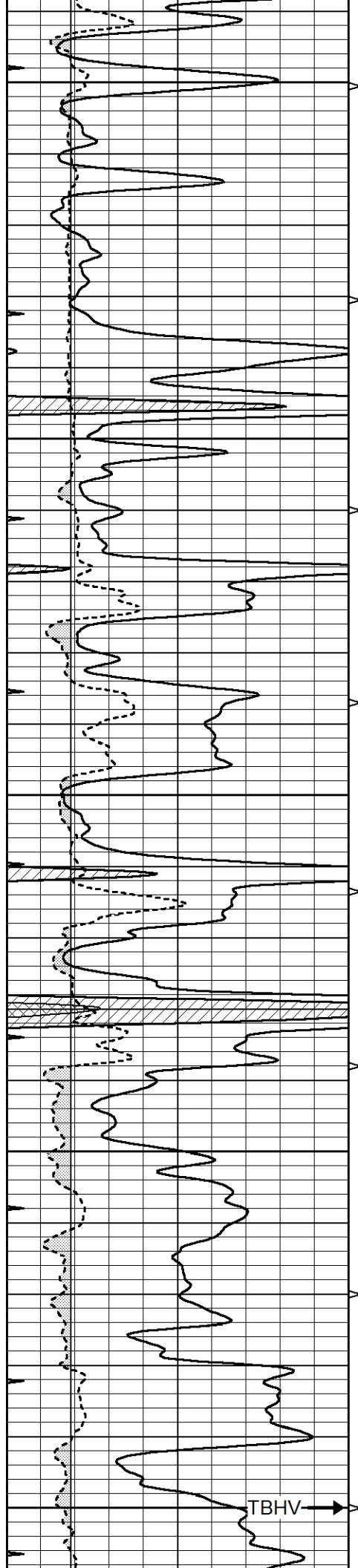
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3600

3650

3700





3750

3800

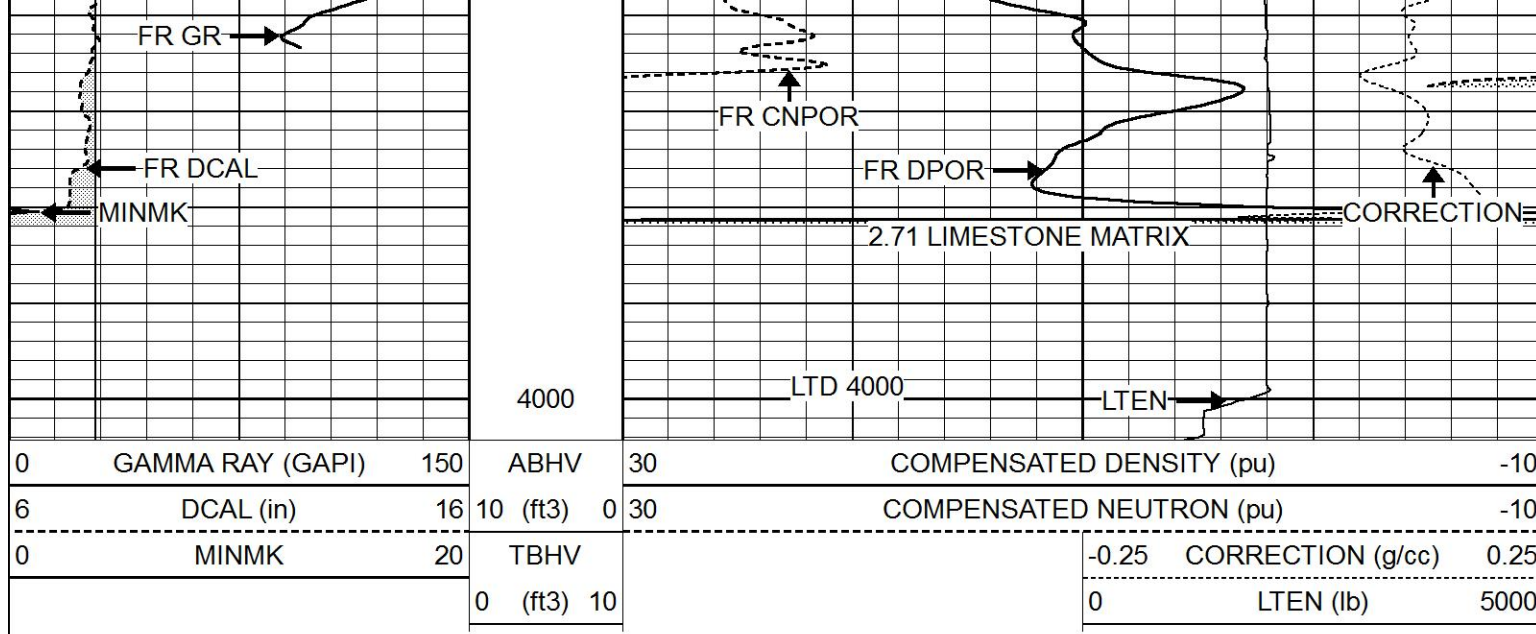
3850

3900

5.5" ABHV

TBHV

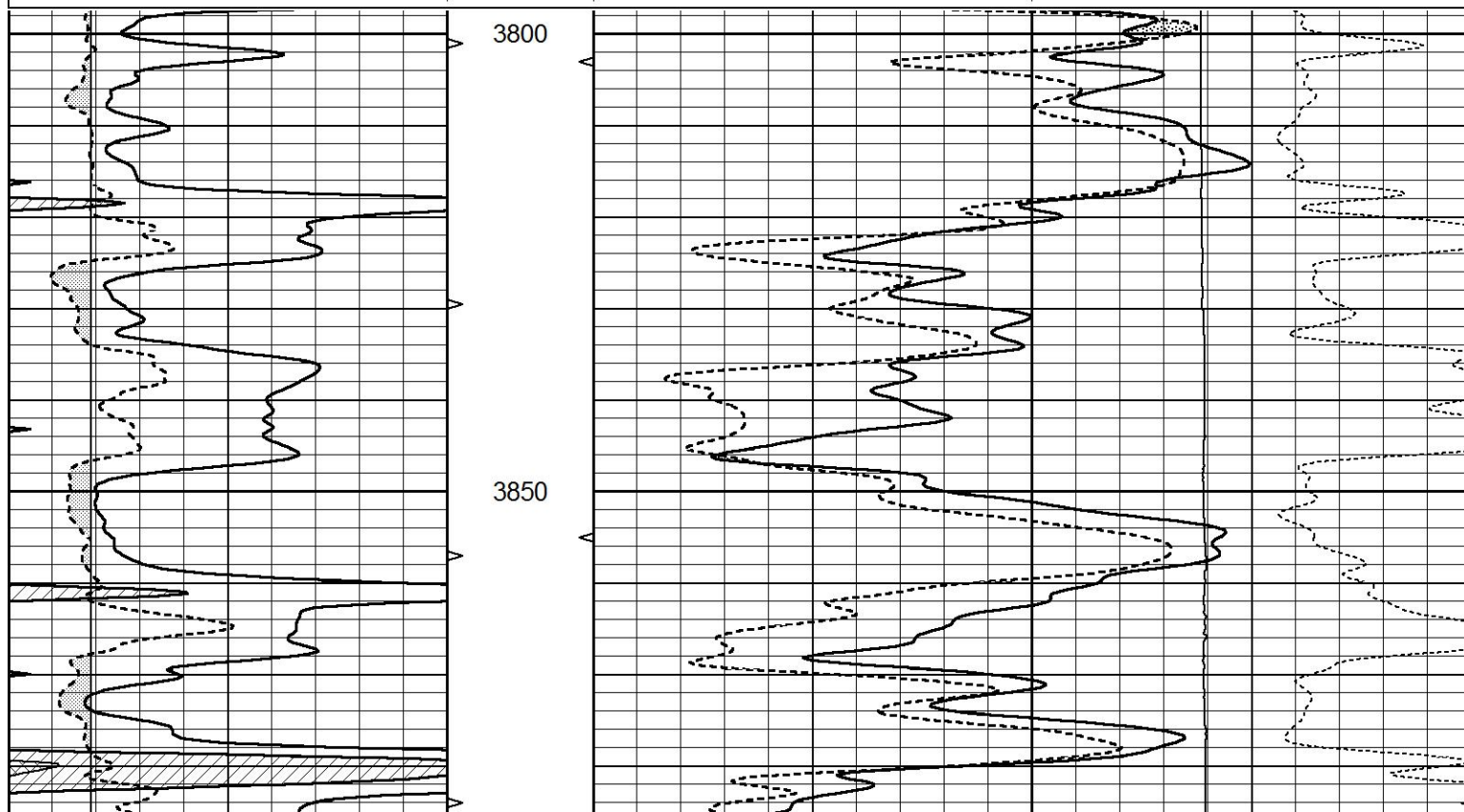
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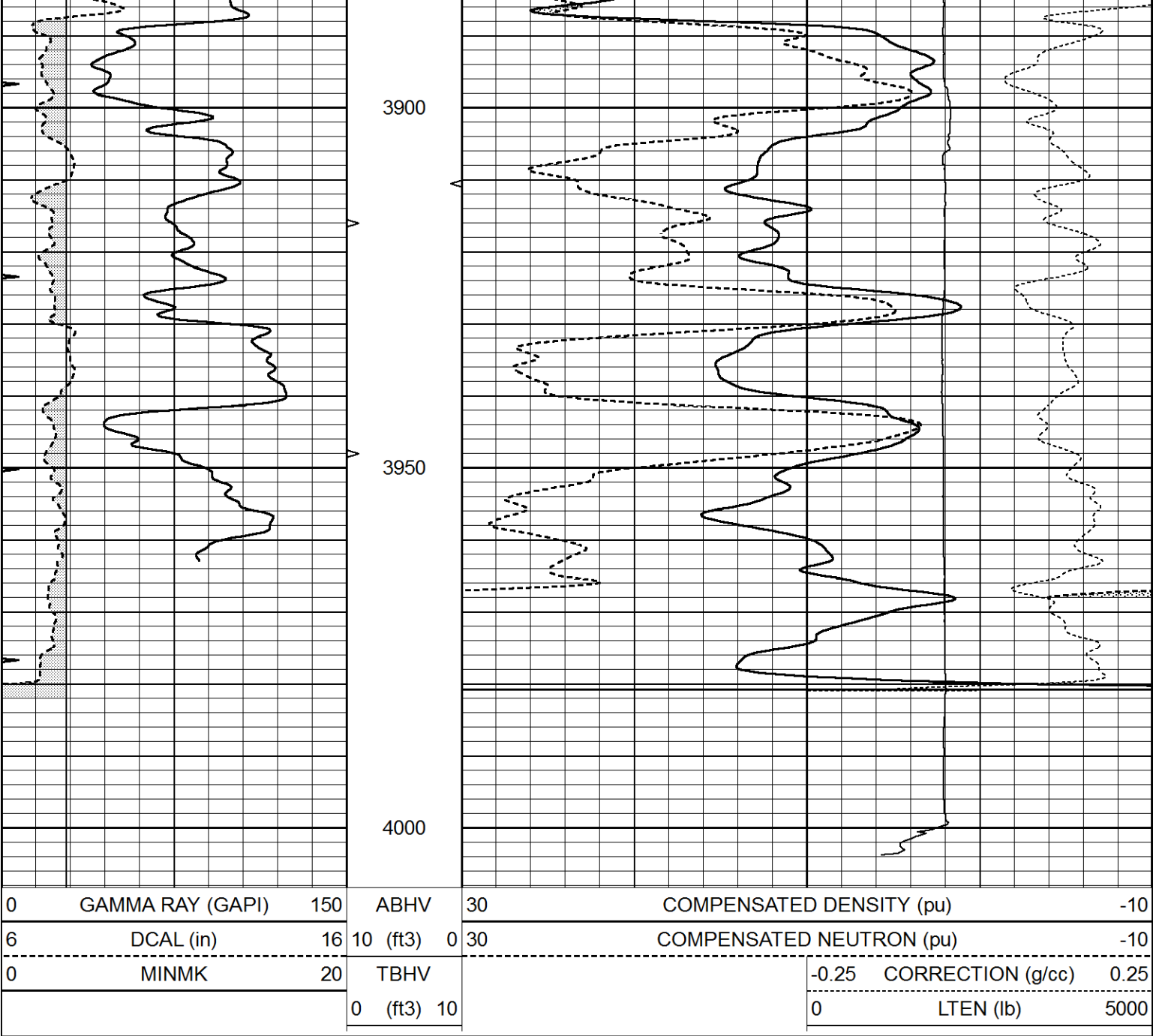


REPEAT SECTION

Database File 8954ddn.db
 Dataset Pathname pass2.1R
 Presentation Format _den_neu
 Dataset Creation Thu Oct 03 17:31:17 2024
 Charted by Depth in Feet scaled 1:240

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





Calibration Report								
Database File	8954ddn.db							
Dataset Pathname	pass3.1M							
Dataset Creation	Thu Oct 03 17:44:14 2024							
Dual Induction Calibration Report								
Serial-Model:			PROBE8-DILG					
Surface Cal Performed:			Thu Oct 03 16:51:45 2024					
Downhole Cal Performed:			Mon Aug 14 00:39:25 2023					
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	680.000	6.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	650.000	-6.000
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 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:		Fri Aug 23 11:44:05 2024			
Calibrator Value:		1.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		1.0	cps		
Sensitivity:		0.3000	GAPI/cps		