

COMPENSATED
DENSITY/NEUTRON
PE LOG

Company	ABERCROMBIE ENERGY, LLC.	
Well	MORGAN #1-35	
Field	UNNAMED	
County	SCOTT	State KANSAS
Location:	API #: 15-171-21316-0000	
	2336 FNL & 670 FWL	
Permanent Datum	SEC 35 TWP 20S RGE 31W	DIL/MEL SONIC
Log Measured From	GROUND LEVEL Elevation 2899	Elevation
Drilling Measured From	KELLY BUSHING 7' A.G.L KELLY BUSHING	K.B. 2906 D.F. 2904 G.L. 2899
Date	2/15/24	
Run Number	ONE	
Depth Driller	5000	
Depth Logger	5000	
Bottom Logged Interval	4976	
Top Log Interval	3300	
Casing Driller	8.625 @ 347	
Casing Logger	347	
Bit Size	7.875	
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2.000 PPM
Density / Viscosity	9.2/52	
pH / Fluid Loss	10.5/7.2	
Source of Sample	FLOWLINE	
Rm @ Meas. Temp	1.90 @ 64F	
Rmt @ Meas. Temp	1.43 @ 64F	
Rmc @ Meas. Temp	2.28 @ 64F	
Source of Rmf / Rmc	MEASUREMENT	
Rm @ BHT	.973 @ 125F	
Time Circulation Stopped	2 HOURS	
Time Logger on Bottom	12:30 A.M.	
Maximum Recorded Temperature	125F	
Equipment Number	3802	
Location	HAYS, KANSAS	
Recorded By	COLE ROBEN	
Witnessed By	DAVE GOLDAK	

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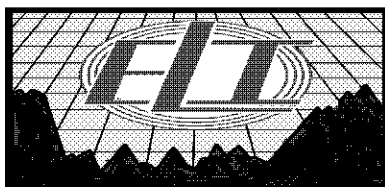
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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:

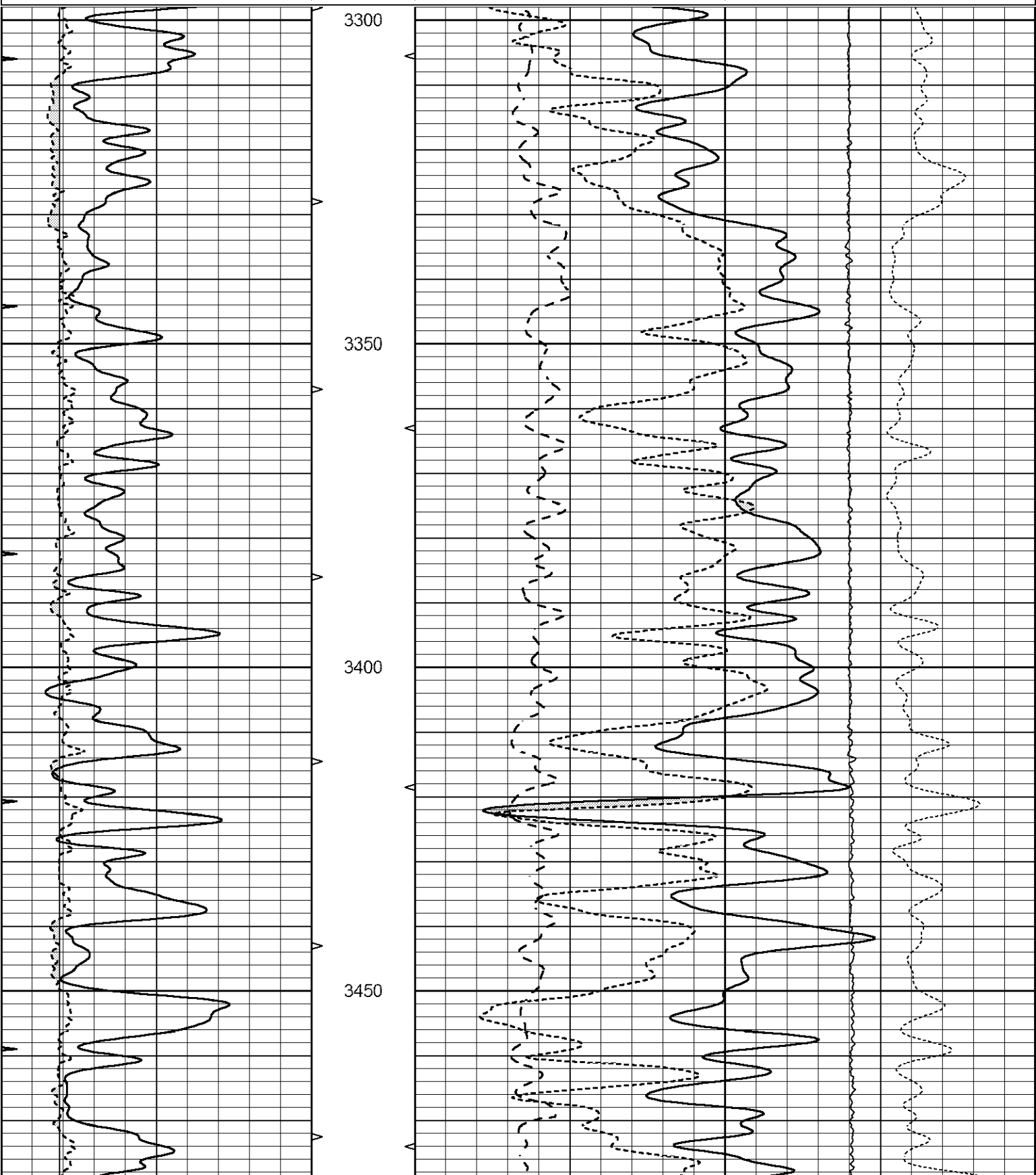
FROM SCOTT CITY, KANSAS GO SOUTH ON HIGHWAY 83 TO FINNEY/SCOTT COUNTY ROAD,
EAST 9.3 MILES TO VENISON ROAD, NORTH 1/2 MILE, EAST INTO

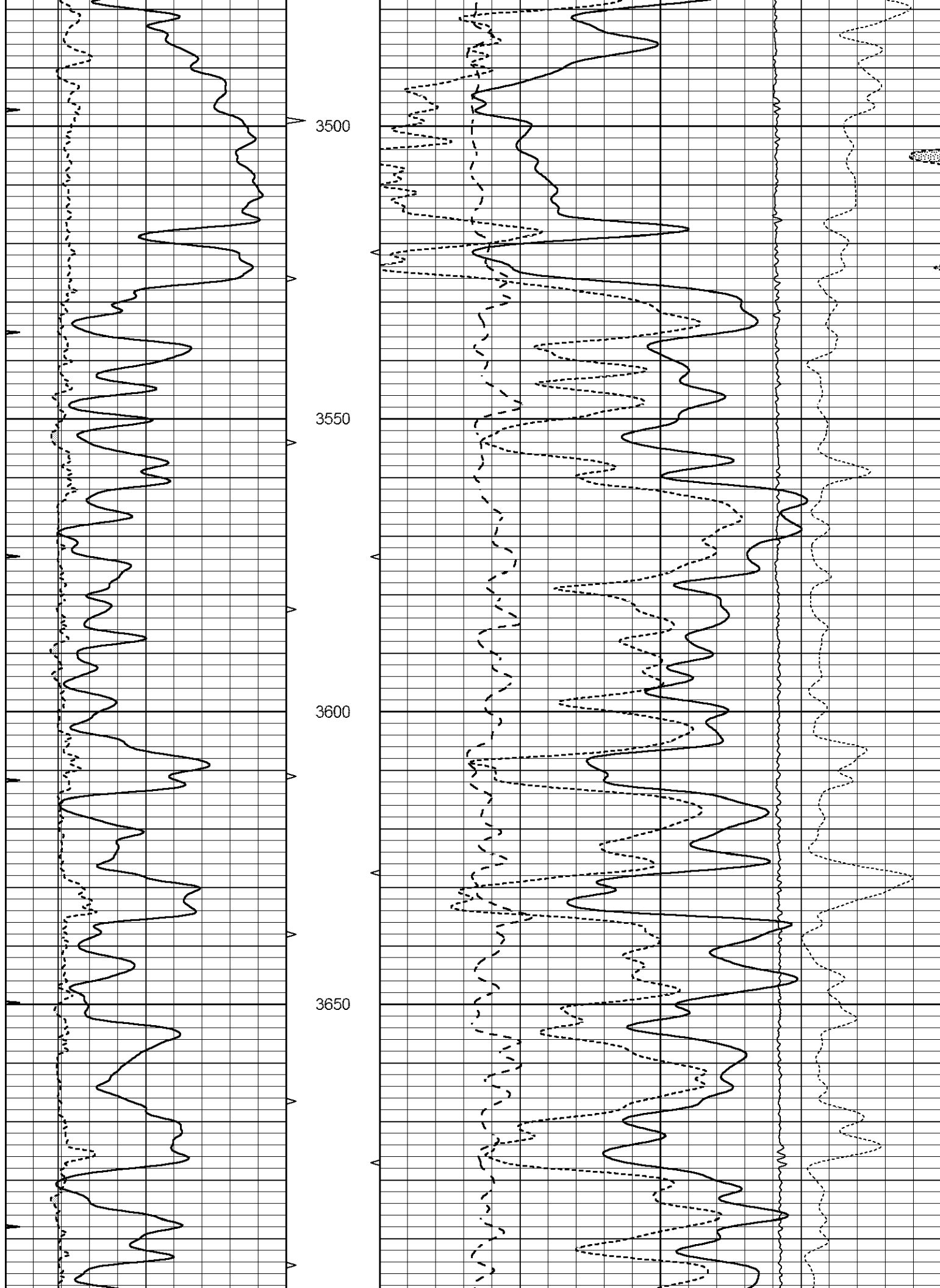


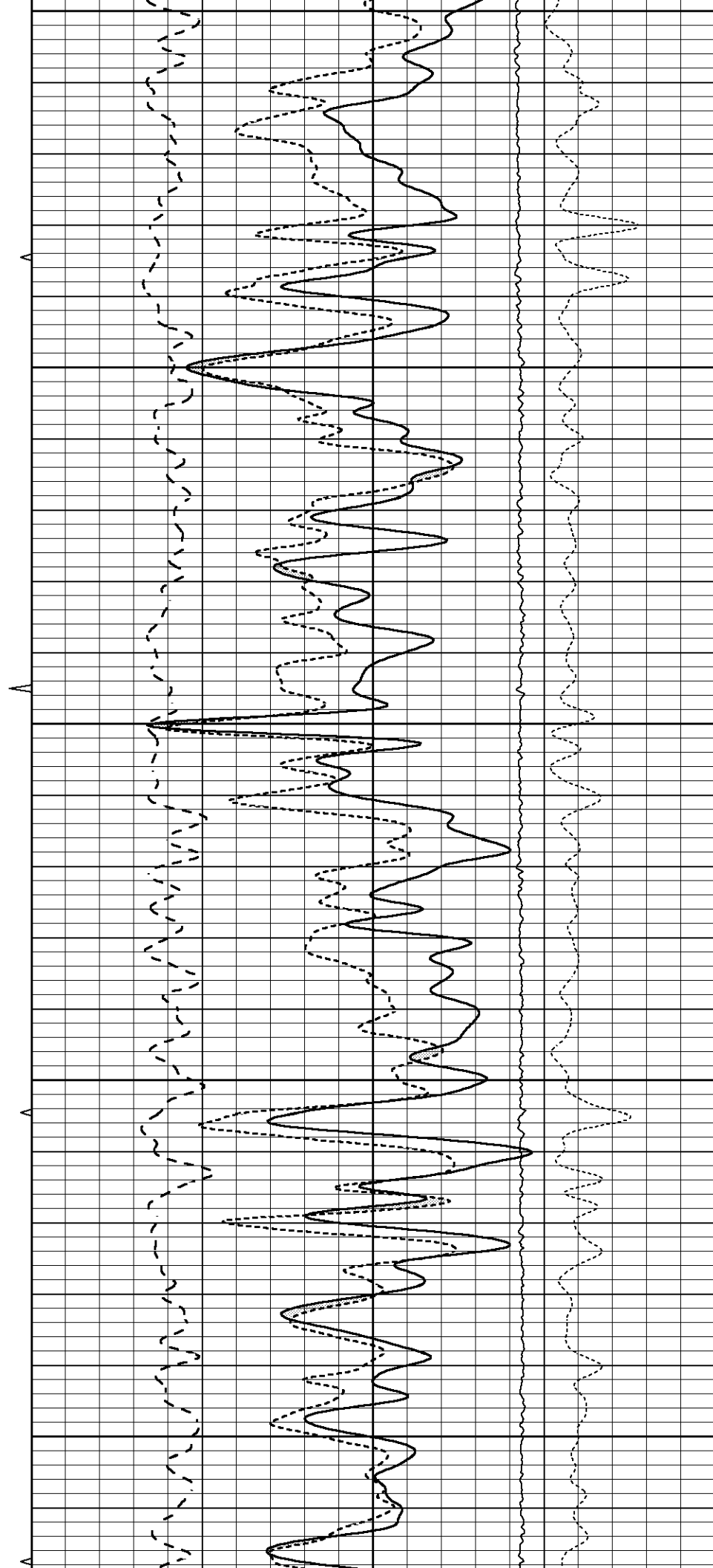
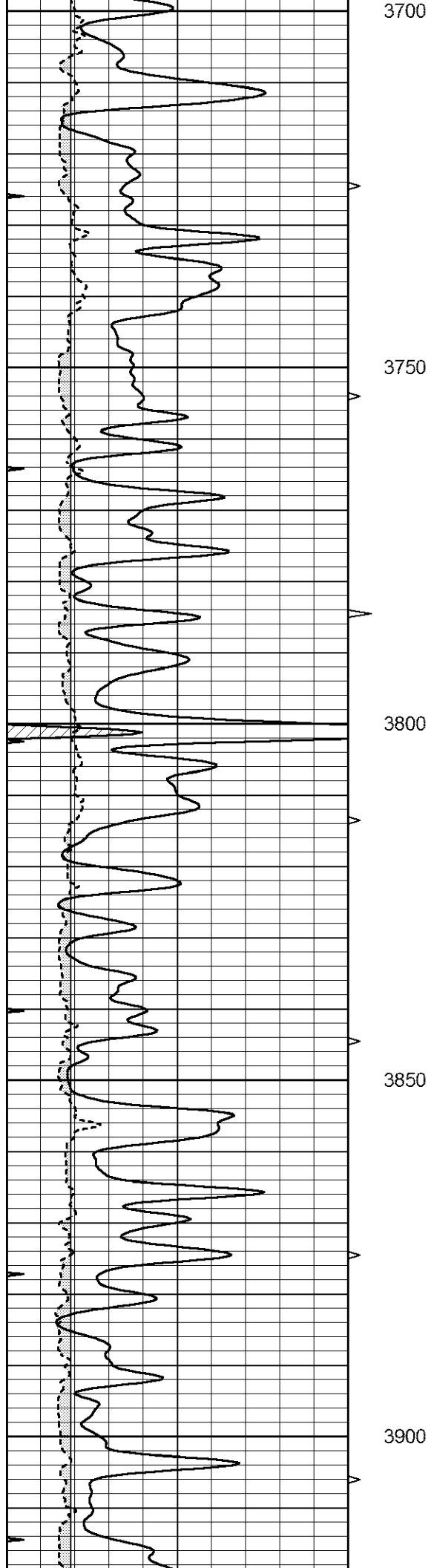
MAIN SECTION

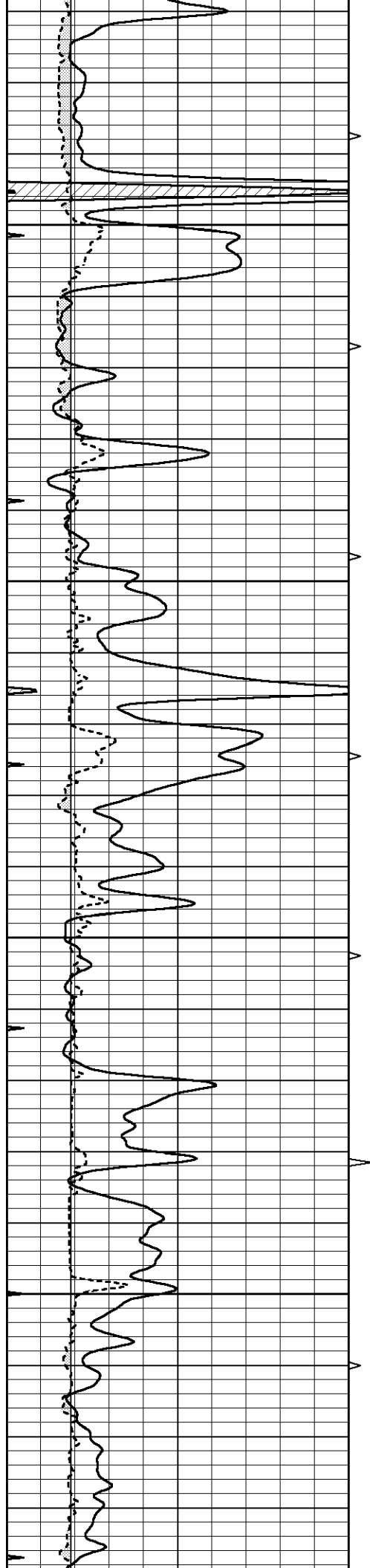
Database File	7065pe.db
Dataset Pathname	pass3MAIN
Presentation Format	_ldt_neu
Dataset Creation	Thu Feb 15 03:32:14 2024
Charted by	Depth in Feet scaled 1:240

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	







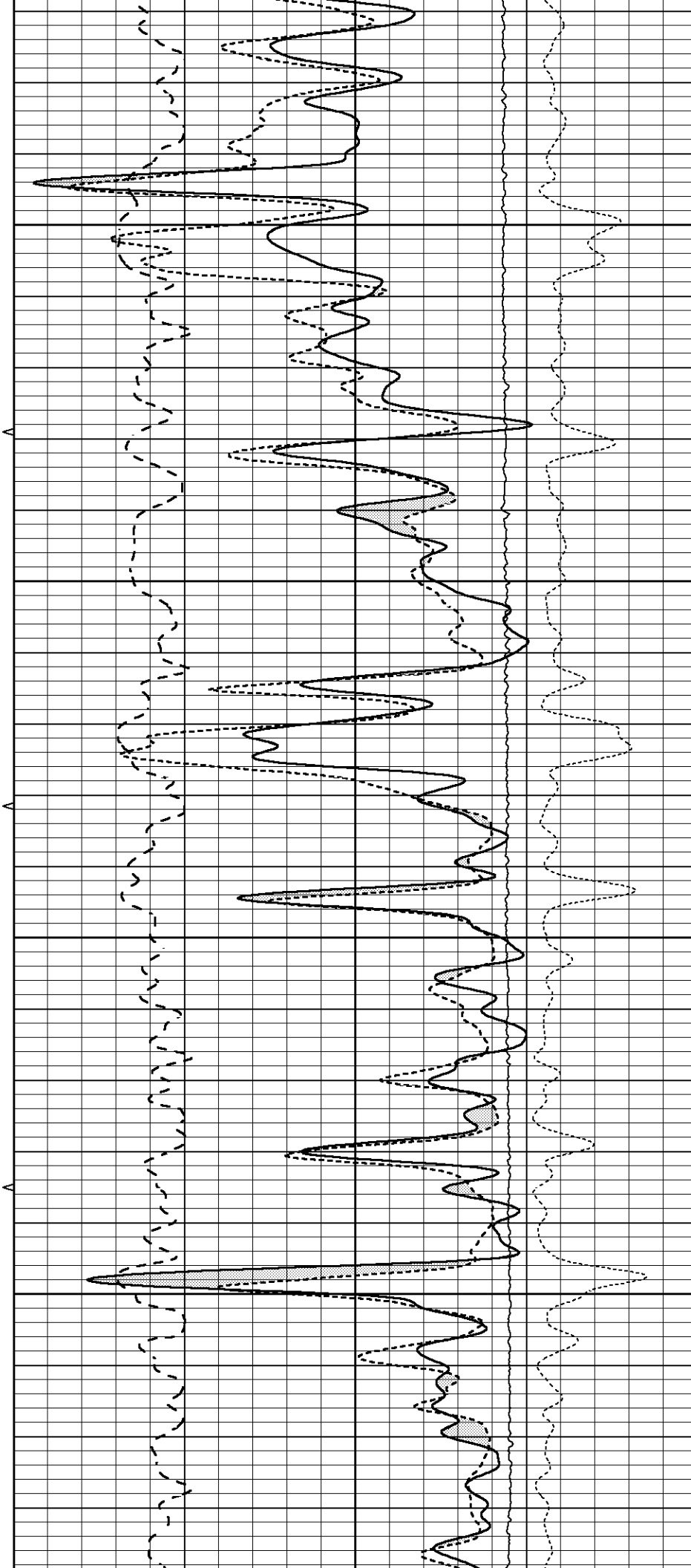


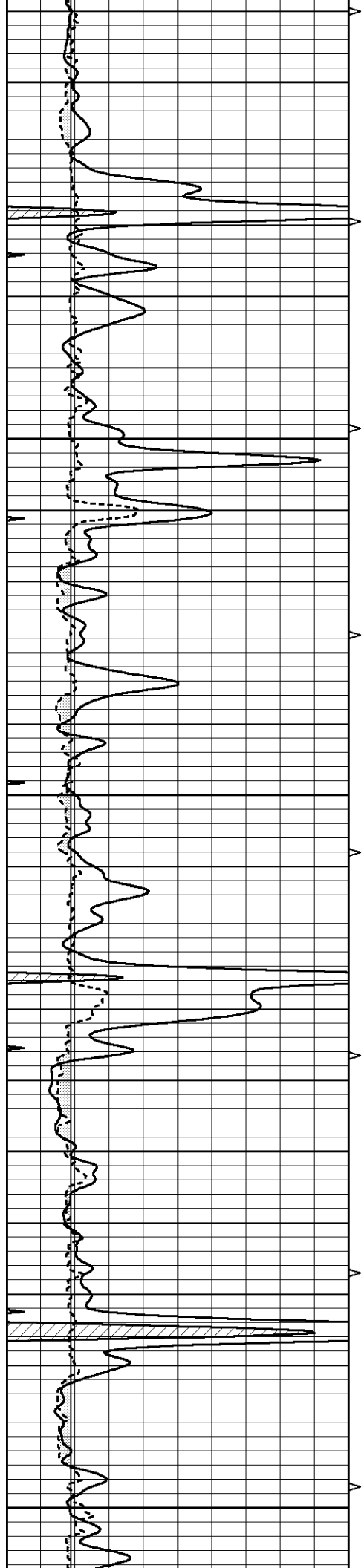
3950

4000

4050

4100





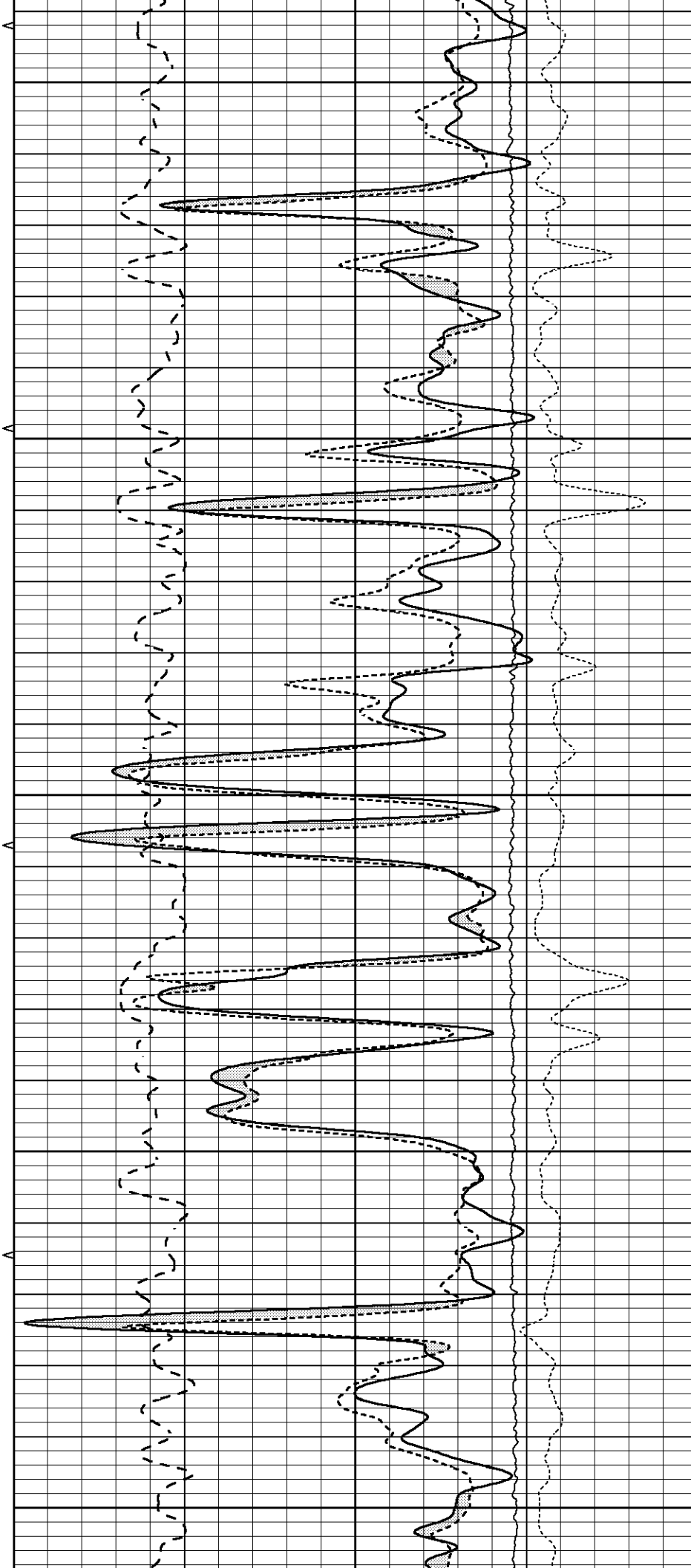
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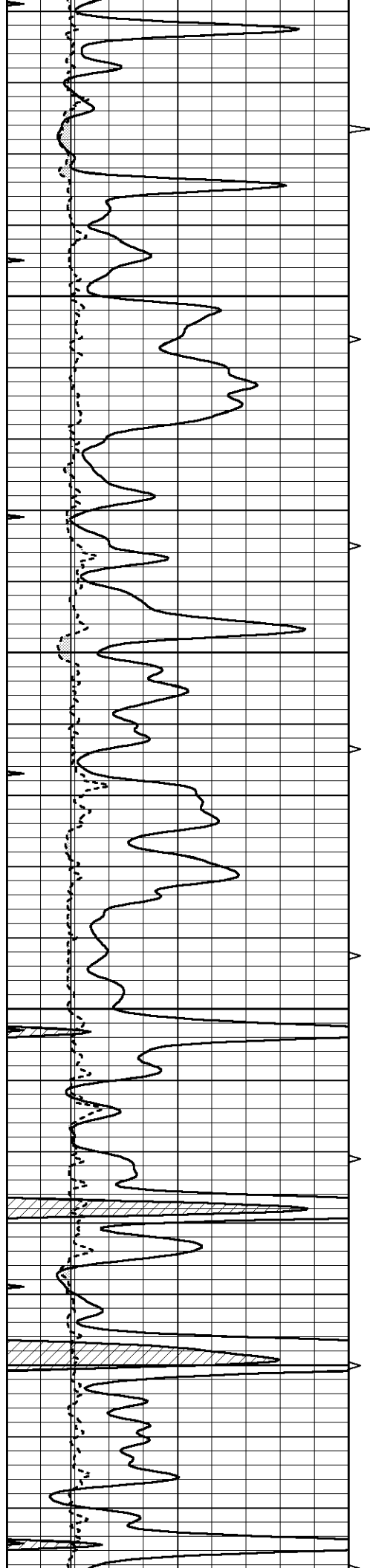
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4250

4300

4350



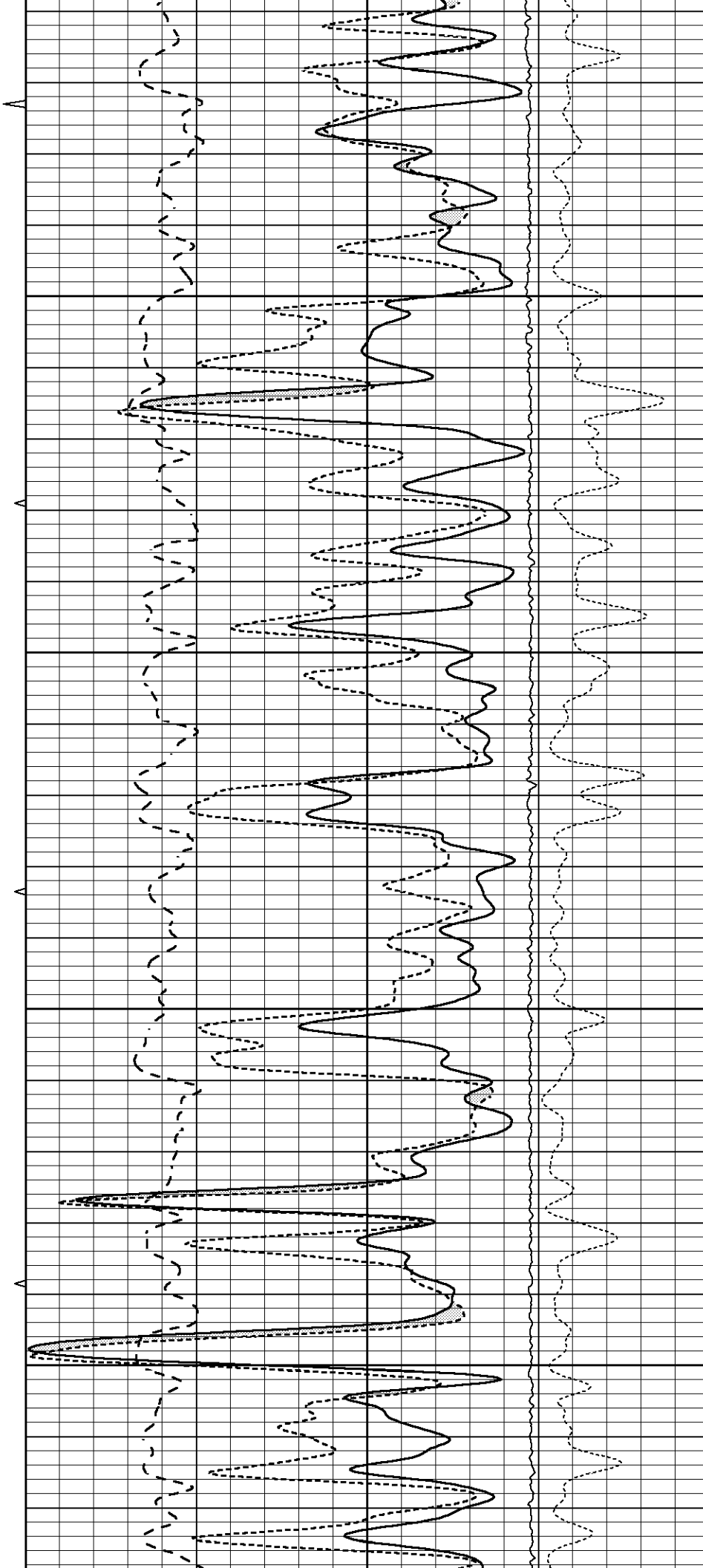


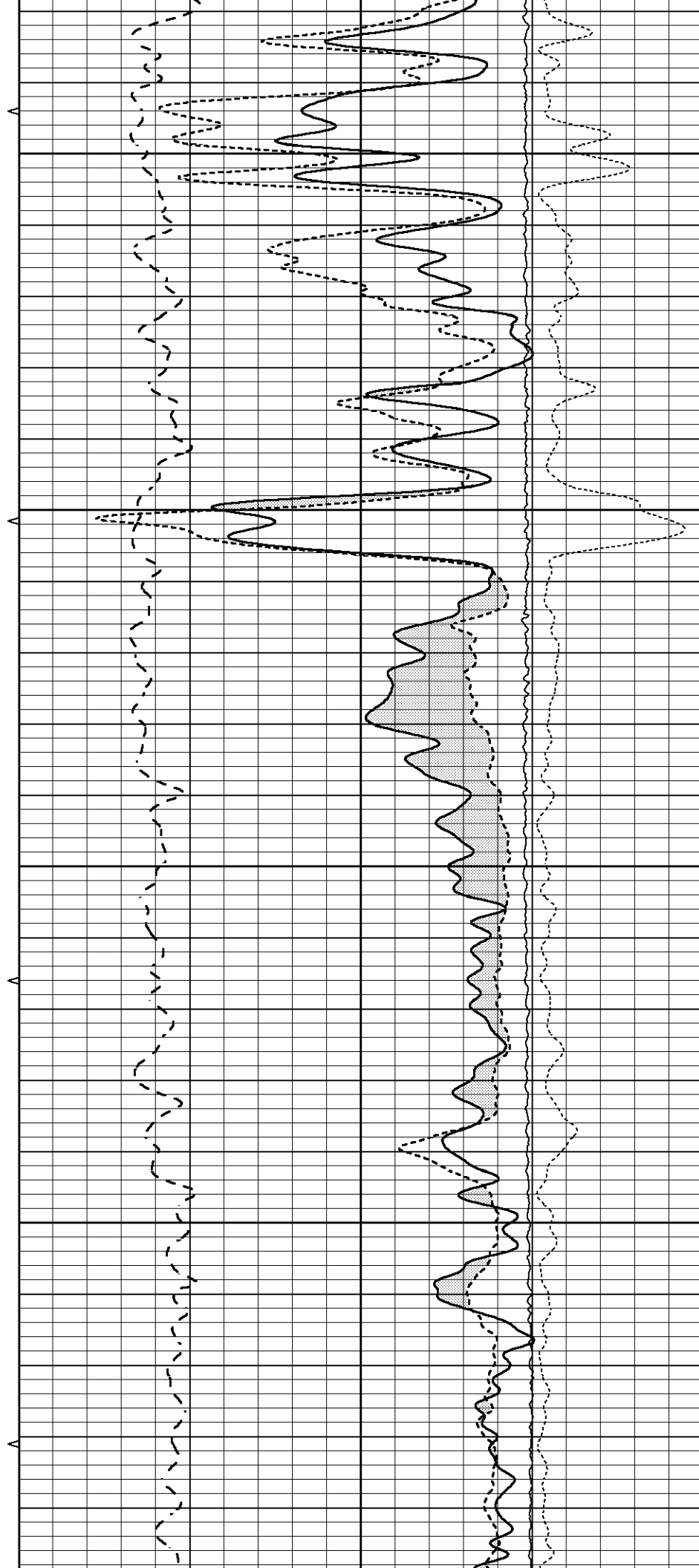
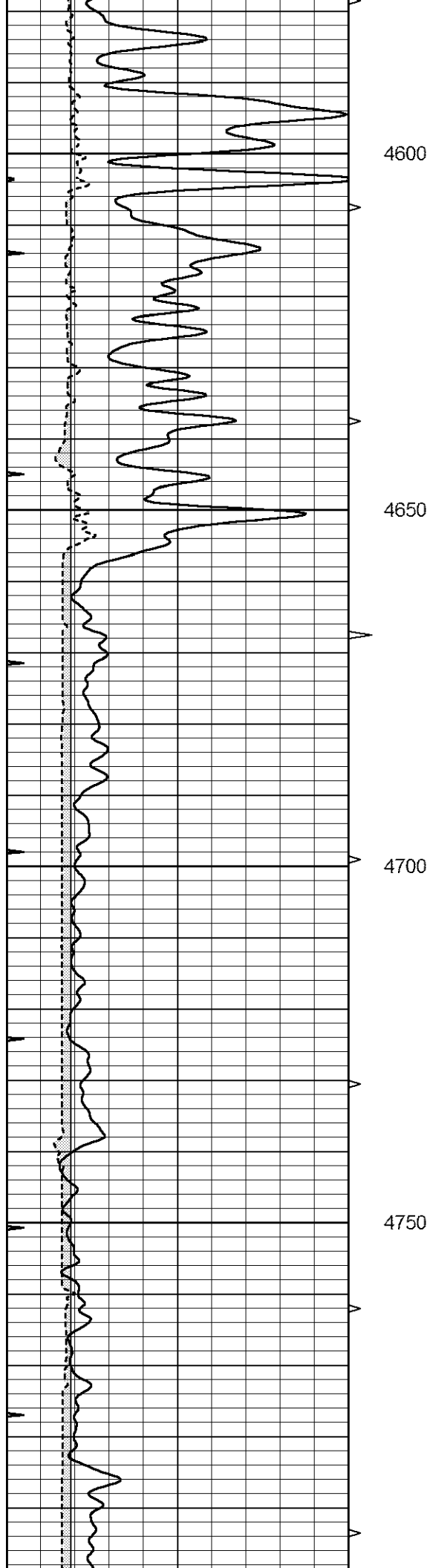
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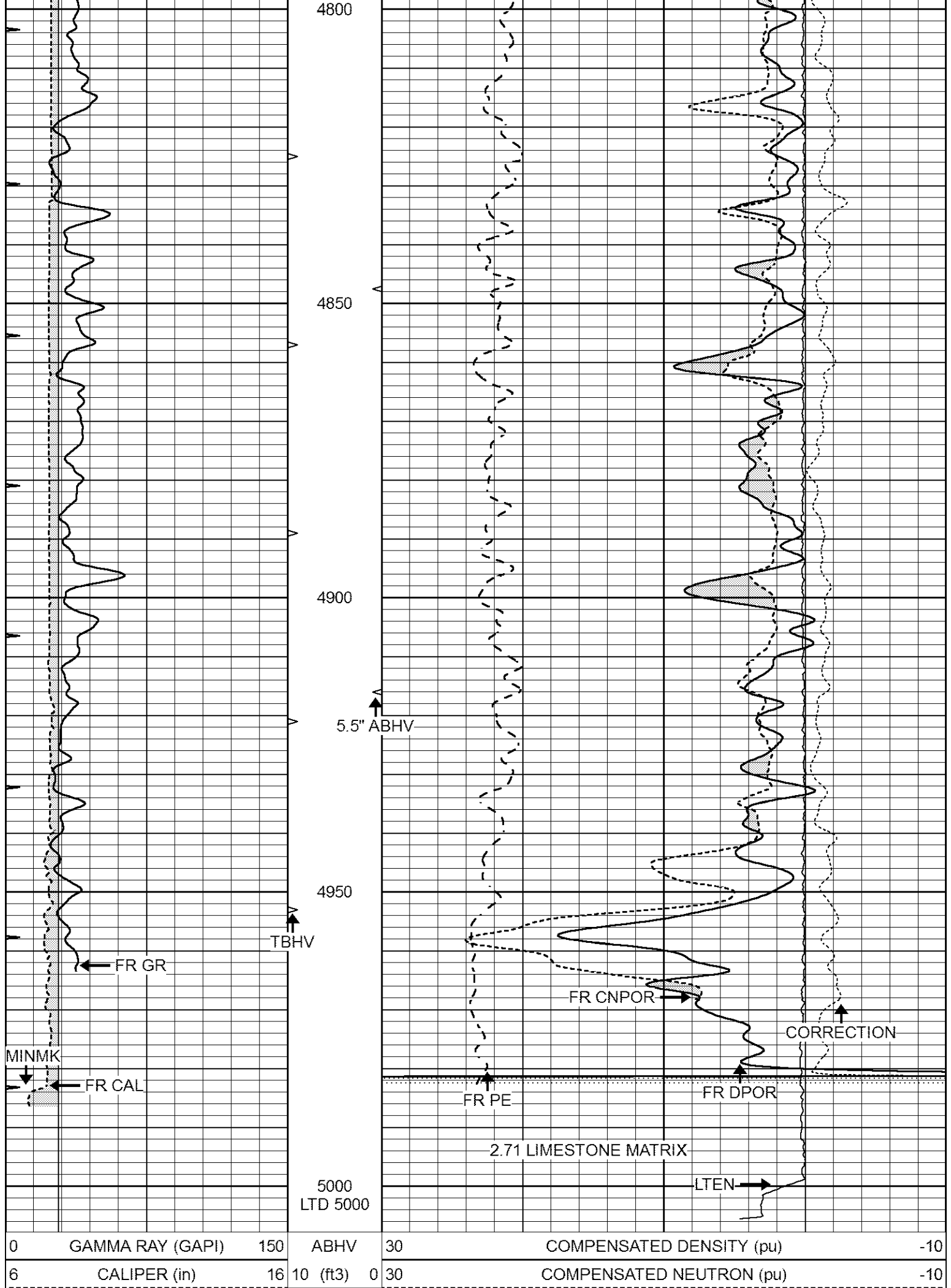
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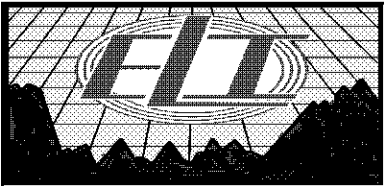
4550







0	MINMK	20	TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10			0	LTEN (lb)	5000



REPEAT SECTION

Database File

7065pe.db

Dataset Pathname

pass2R

Presentation Format

_ldt_neu

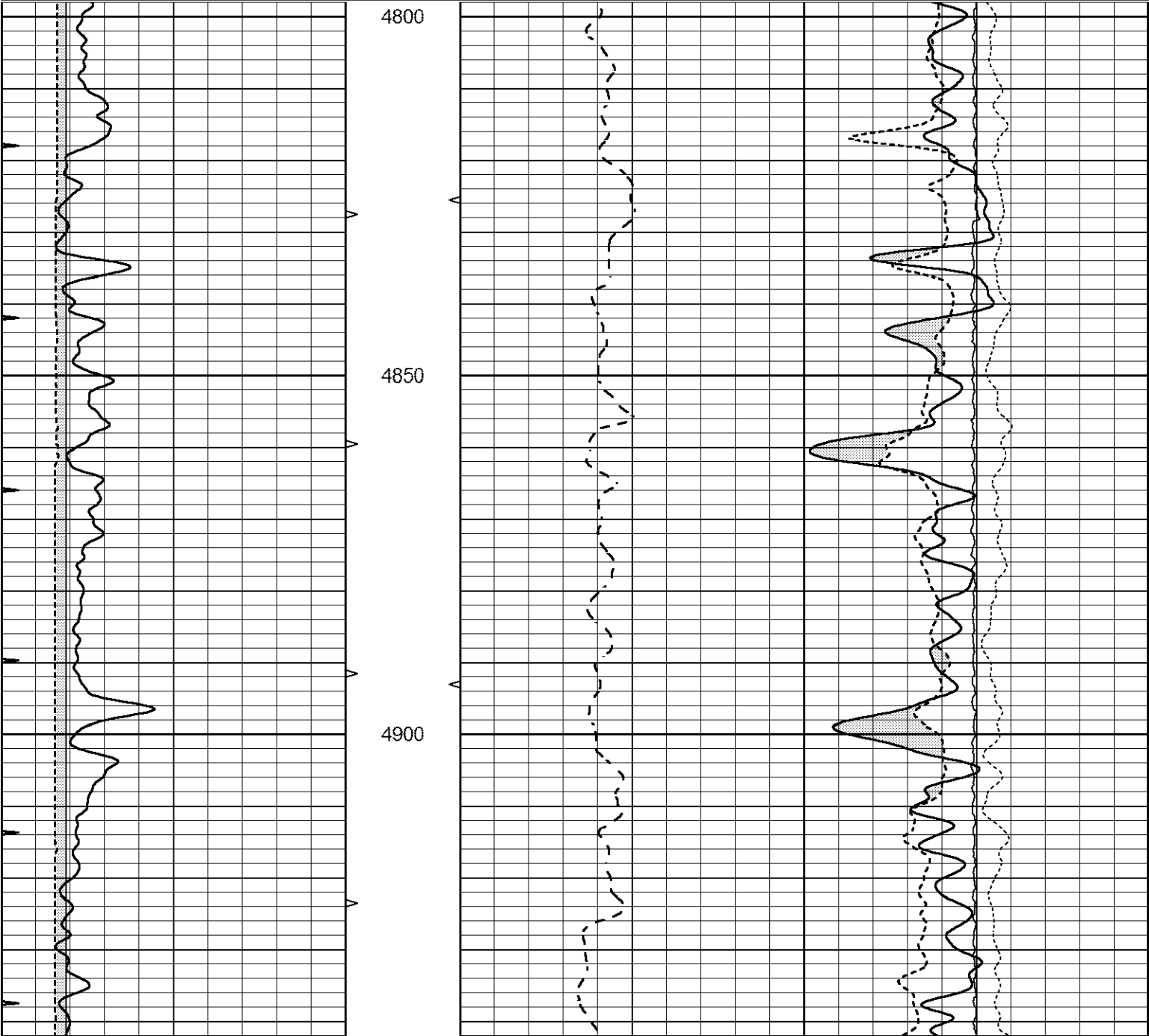
Dataset Creation

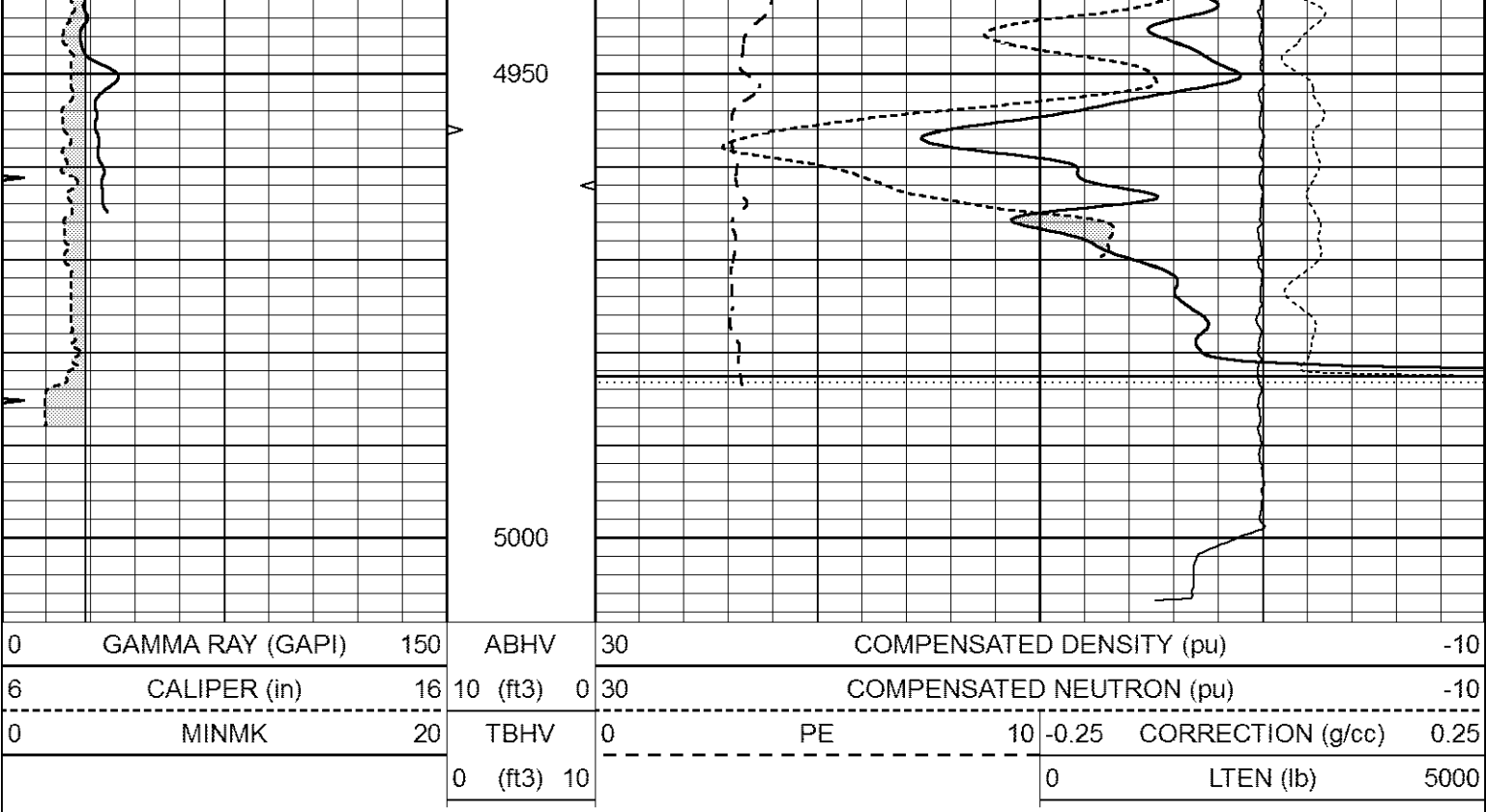
Thu Feb 15 03:21:42 2024

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 (ft3)	10	-0.25	CORRECTION (g/cc)
					0	LTEN (lb)
						5000





Calibration Report									
Database File	7065pe.db								
Dataset Pathname	pass3MAIN								
Dataset Creation	Thu Feb 15 03:32:14 2024								
Dual Induction Calibration Report									
Serial-Model:					FW1410-55-Probe				
Surface Cal Performed:					Sat Jul 29 01:57:42 2023				
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	565.000	-6.000	
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	530.000	-7.000	
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: 003 Model: PRB

Master Calibration			Performed Mon May 22 11:42:40 2023					
	Background		Magnesium		Aluminum		Aluminum+Fe	
Window 1	1512.3		7465.7		2749.0		2519.6	cps
Window 2	1398.8		6705.7		2507.3		2313.8	cps
Window 3	1289.2		5259.5		2124.1		2009.6	cps
Window 4	351.1		351.6		351.8		353.2	cps
Long Space	0.0		5306.9		1108.5		915.0	cps
Short Space	3.3		2239.9		1441.2		1212.0	cps
Rho			1.7100		2.5900		0.0000	g/cc
Pe			2.0000		2.7500		5.7900	
Rib Angle	: 44.3		Rib Slope	: 0.975	Density/Spine Ratio		: 0.541	
Spine Angle	: 74.3		Spine Slope	: 3.551	Spine Intercept		: -18.8	

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				

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Compensated Neutron Calibration Report

Serial Number:	080621PMC
Tool Model:	NABORS

PRE-SURVEY VERIFICATION			
Detector	Readings	Measured	Target
Short Space	cps		

	Short Space	cps	pu	pu
	Long Space			
POST-SURVEY VERIFICATION				
	Detector	Readings	Measured	Target
	Short Space	cps		
	Long Space	cps	pu	pu
Gamma Ray Calibration Report				
	Serial Number:	46001		
	Tool Model:	Probe1		
	Performed:	Thu Apr 20 09:55:57 2023		
	Calibrator Value:	1.0	GAPI	
	Background Reading:	0.0	cps	
	Calibrator Reading:	1.0	cps	
	Sensitivity:	0.4300	GAPI/cps	