



COMPENSATED DENSITY/NEUTRON LOG

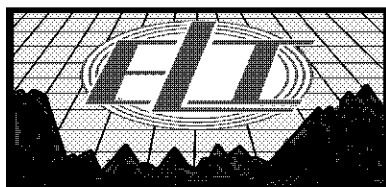
Company CASTLE RESOURCES, INC.		Company CASTLE RESOURCES, INC.	
Well	HJP #1	Well	HJP #1
Field	WILDCAT	Field	WILDCAT
County	SALINE	County	SALINE
State	KANSAS	State	KANSAS
Location:		API # : 15-169-20361-0000	
1850' FNL & 100' FWL		Other Services DIL/MEL	
SEC 34 TWP 16S RGE 3W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	K.B. 1314
Log Measured From	KELLY BUSHING 5' A.G.L		D.F. 1312
Drilling Measured From	KELLY BUSHING		G.L. 1309
Date	10/1/18		
Run Number	ONE		
Depth Driller	3517		
Depth Logger	3517		
Bottom Logged Interval	3493		
Top Log Interval	2200		
Casing Driller	8 5/8" @ 374'		
Casing Logger	374		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2000 PPM	
Density / Viscosity	9.4/41		
pH / Fluid Loss	9.5/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.40 @ 81F		
Rmt @ Meas. Temp	1.05 @ 81F		
Rmc @ Meas. Temp	1.68 @ 81F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	1.01 @ 112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	112F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPELLUCCI		
Witnessed By	JERRY GREEN	RANDY HUTCHINSON	

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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

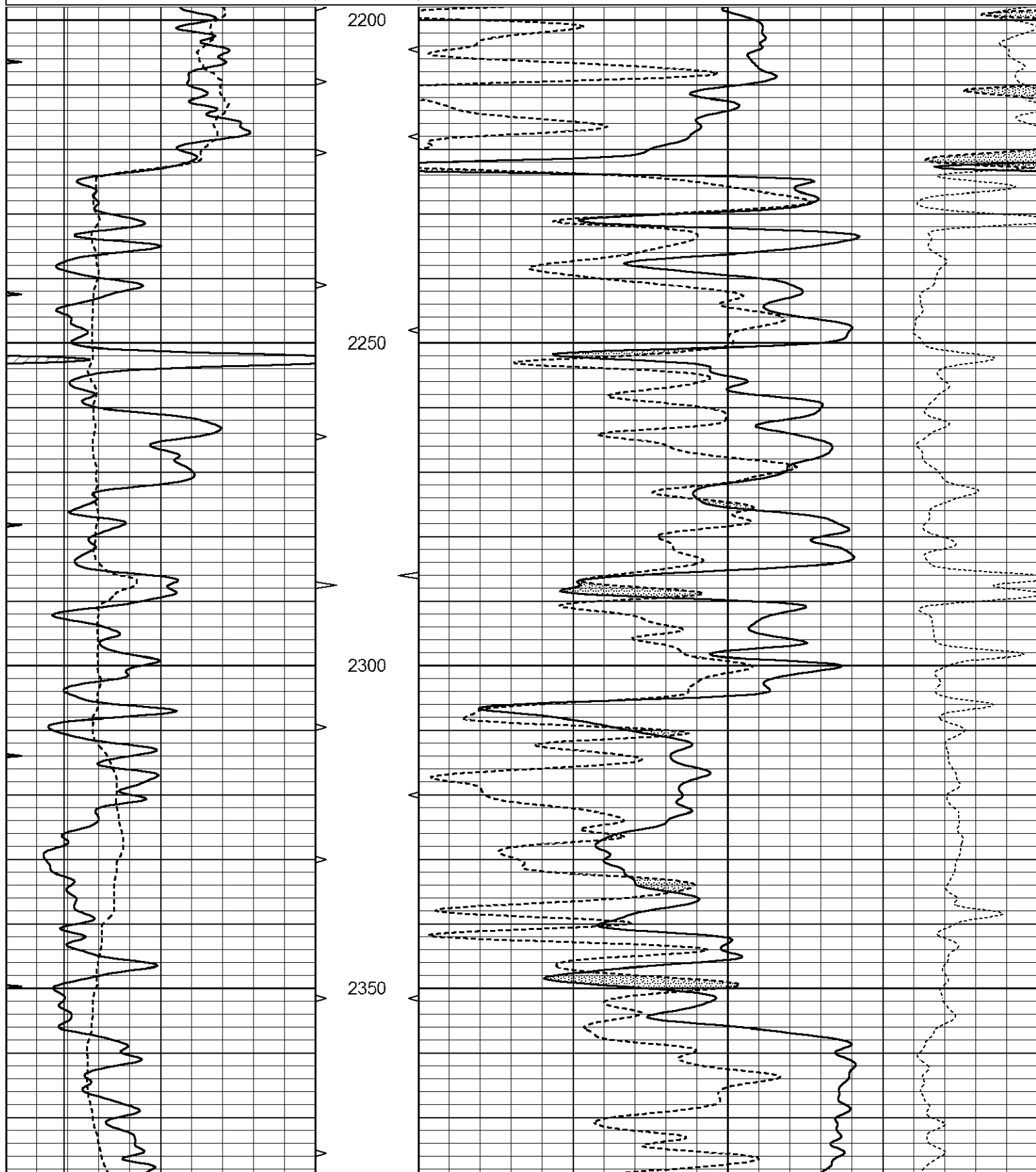
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
SALINA, KS. - SOUTH TO LINDSBORG EXIT 78 - 2 1/4 WEST - 1 1/4 NORTH - EAST INTO

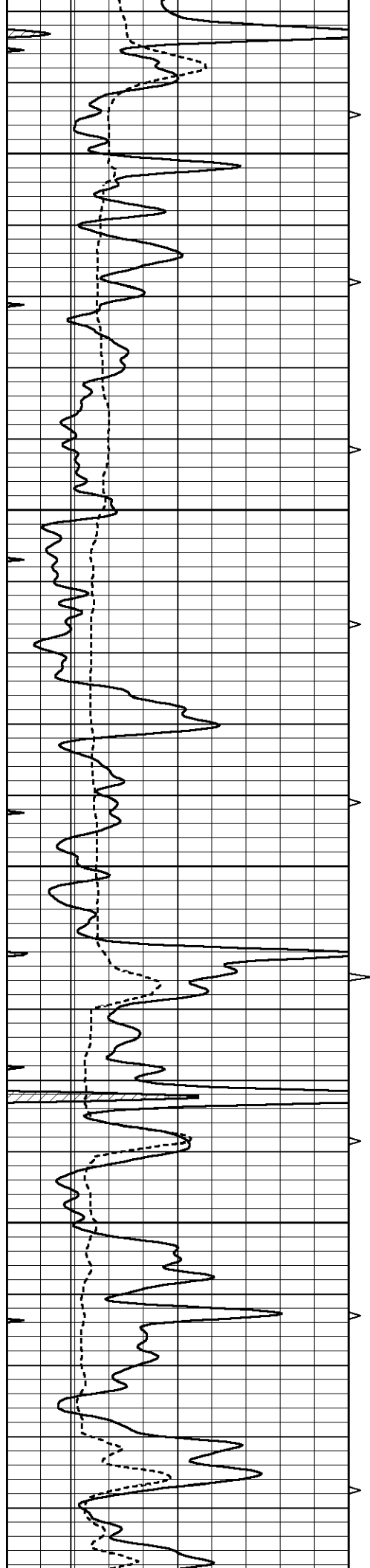


MAIN SECTION

Database File 3006ddn8.db
Dataset Pathname pass3.1
Presentation Format _den_neu
Dataset Creation Mon Oct 01 10:56:51 2018
Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
0	MINMK	20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
6	CALIPER (in)	16	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			



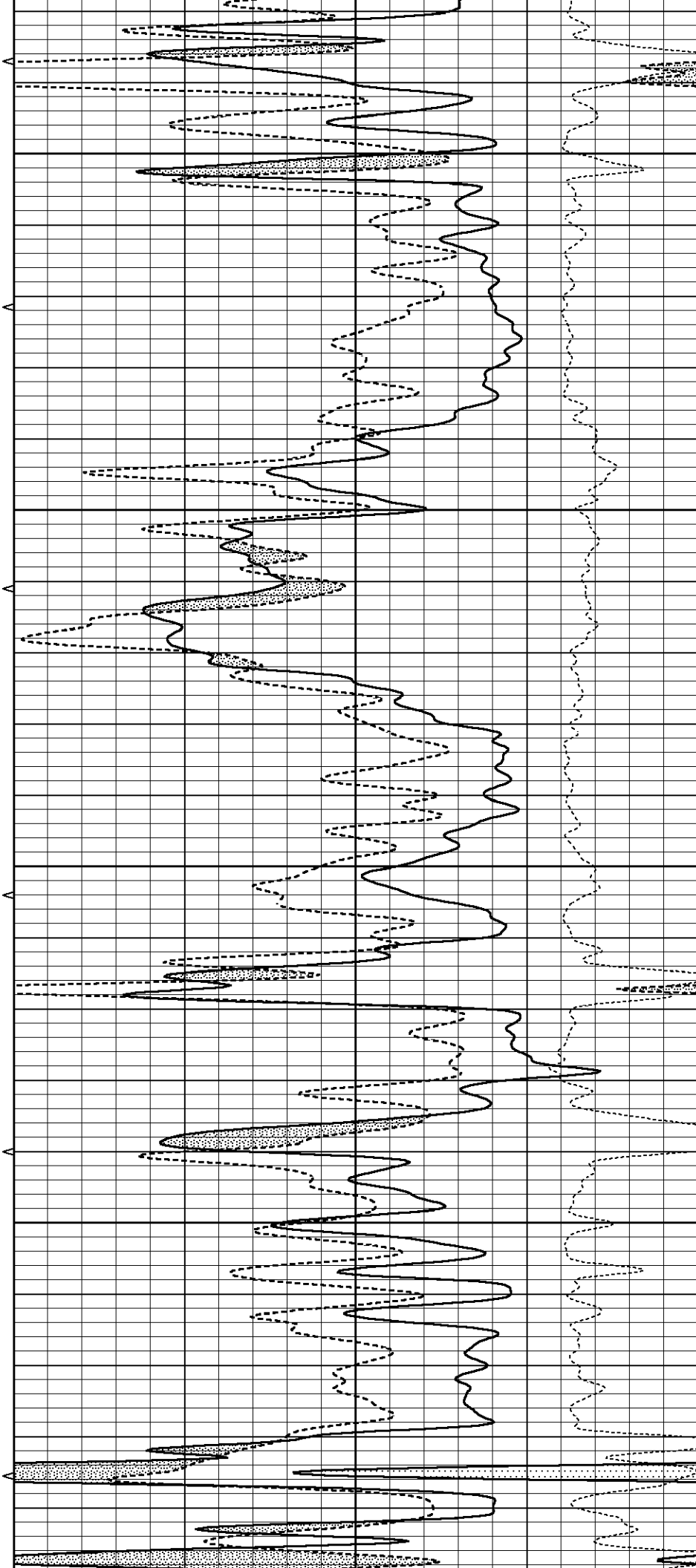


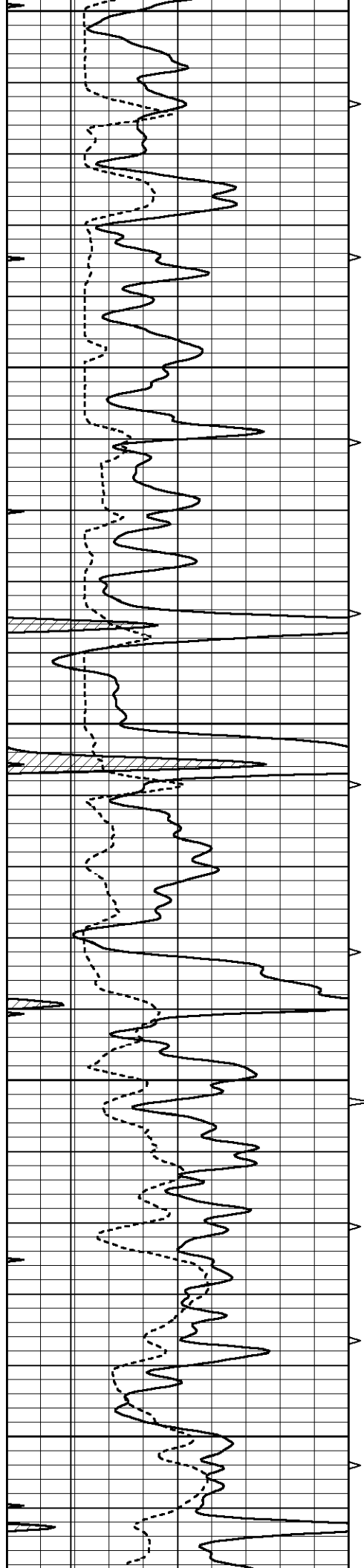
2400

2450

2500

2550





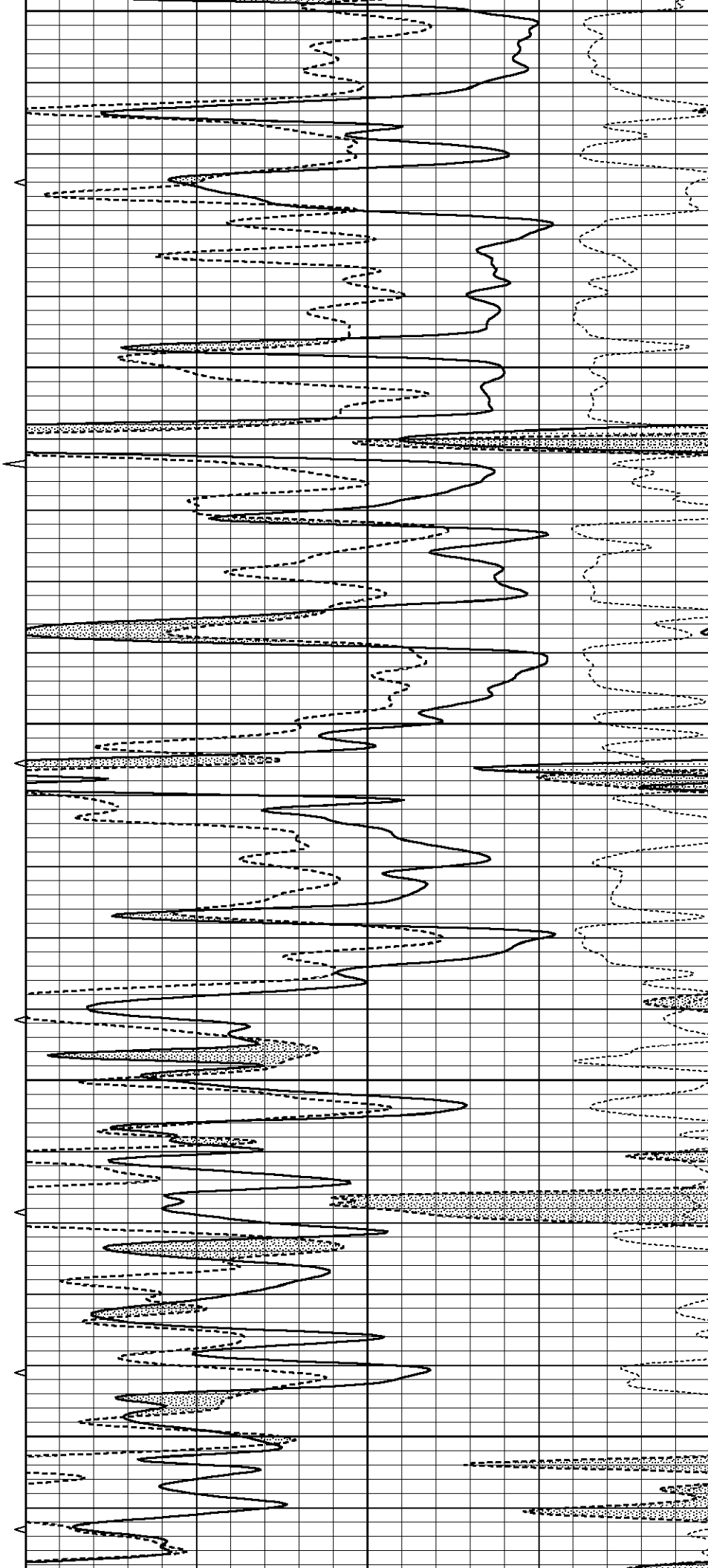
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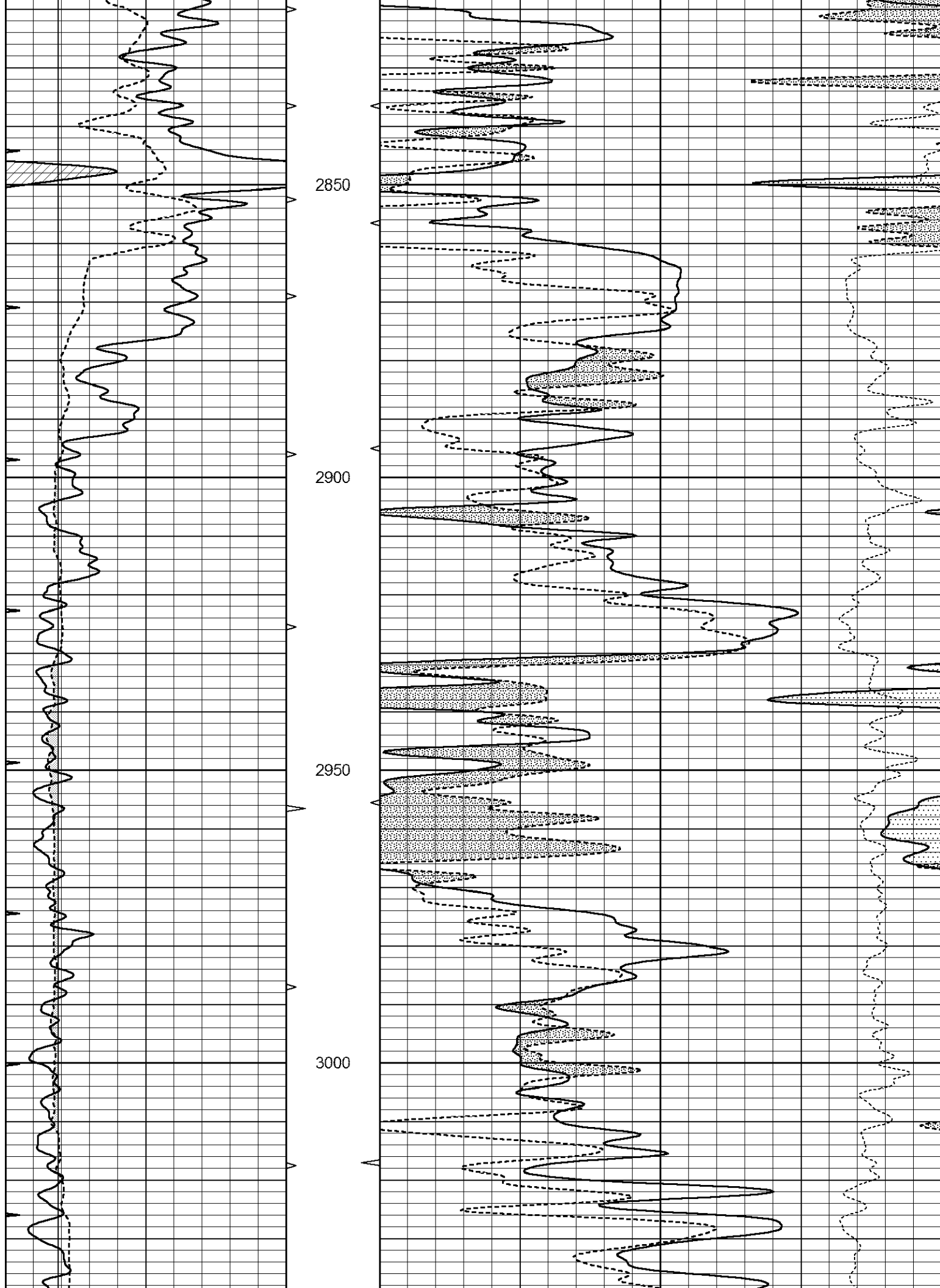
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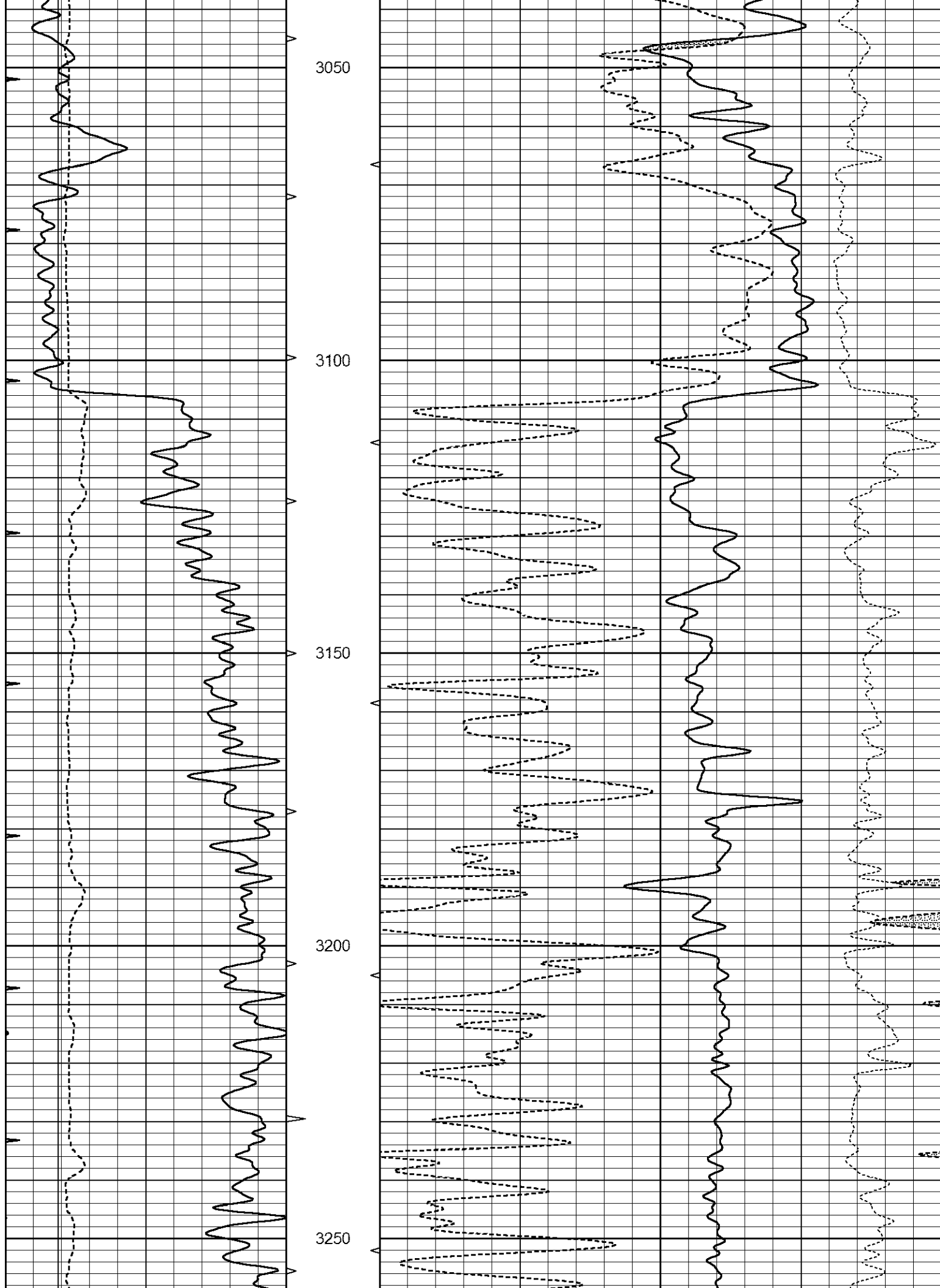
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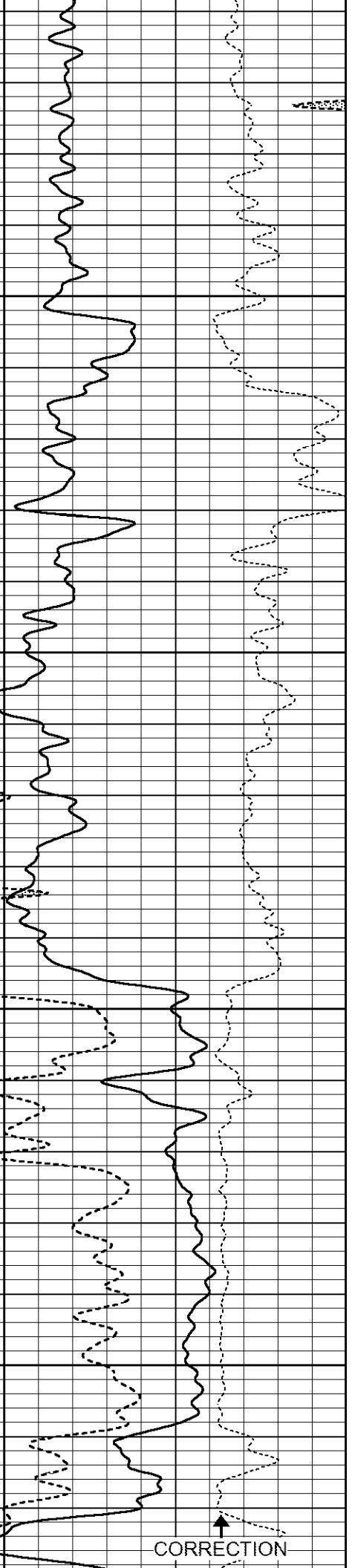
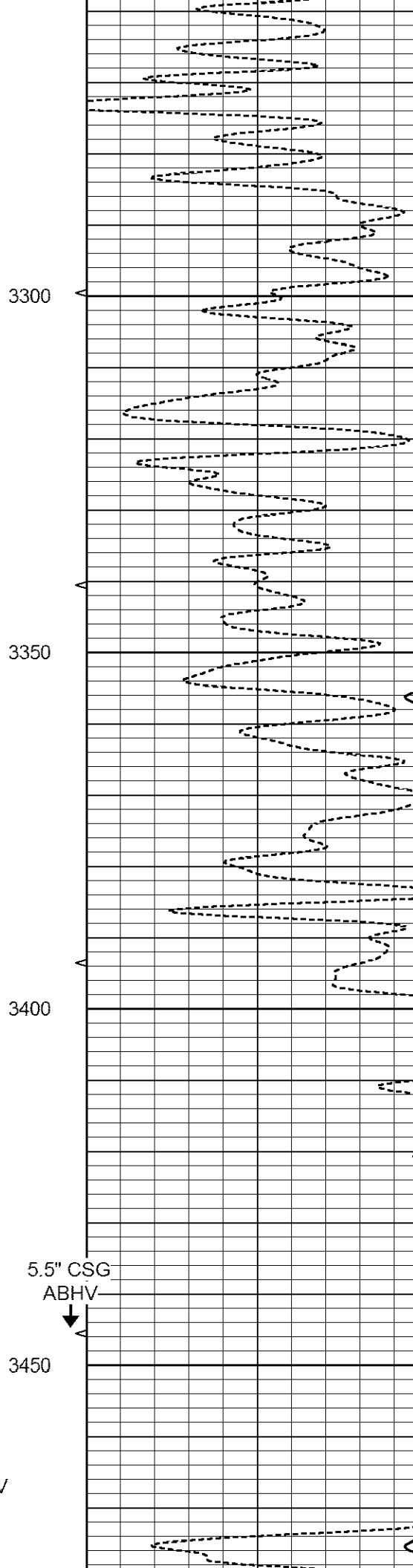
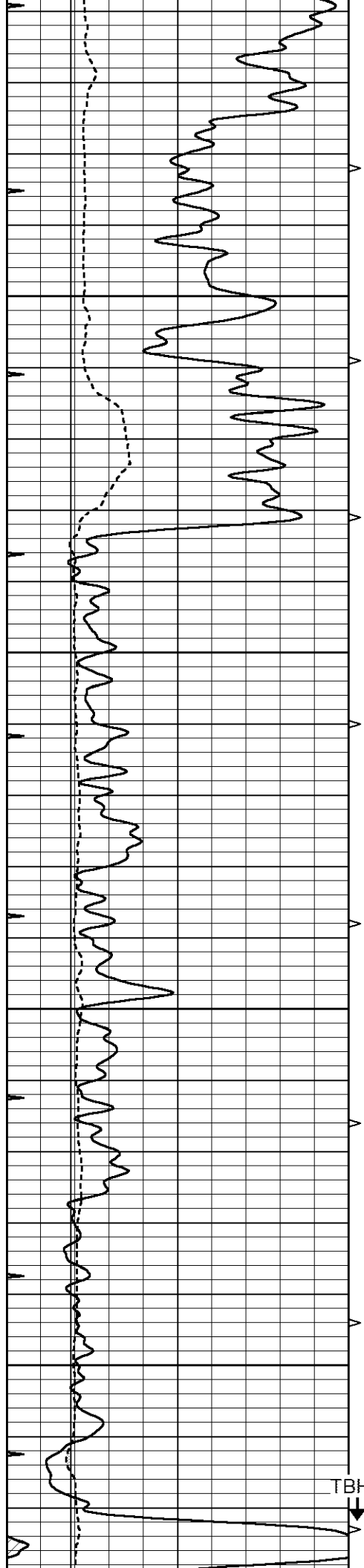
2750

2800









3300

3350

3400

3450

5.5" CSG
ABHV

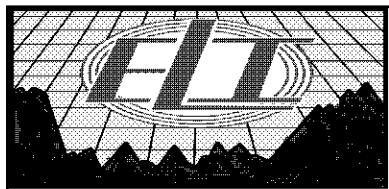
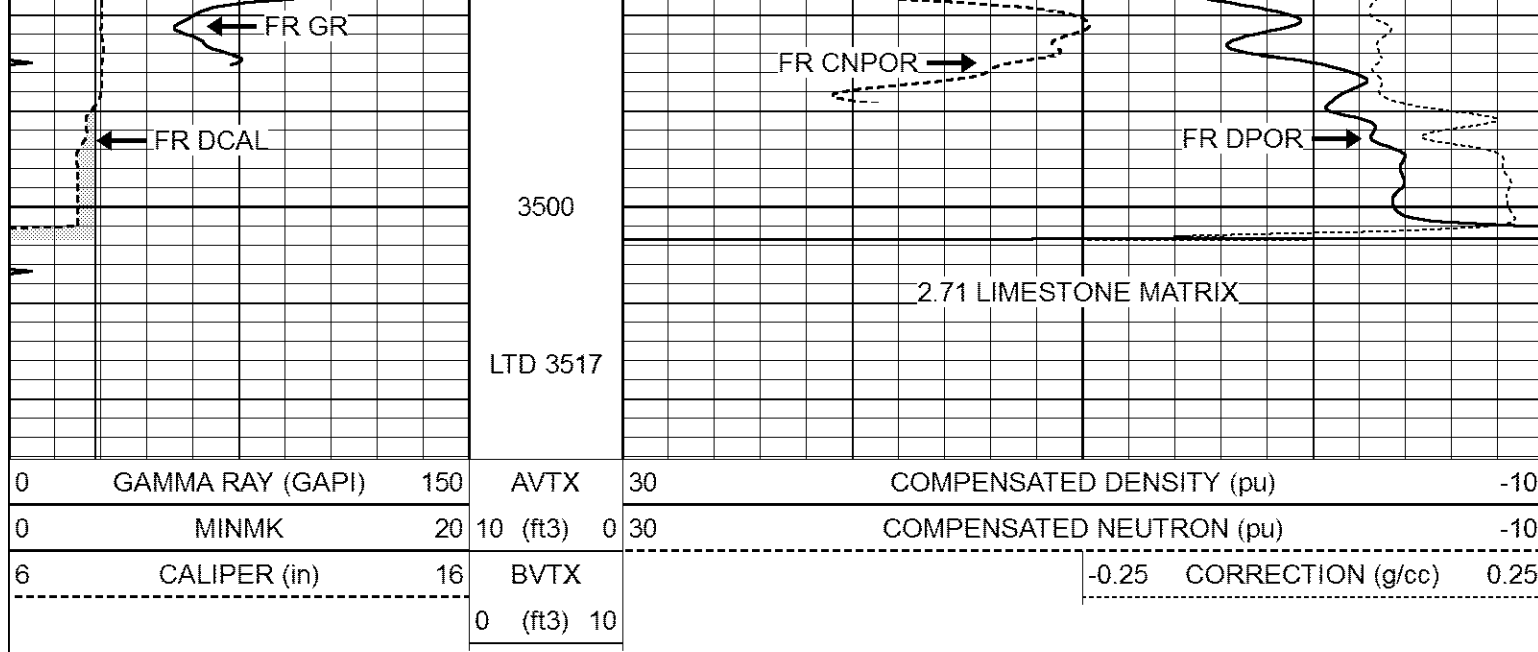


TBHV



CORRECTION

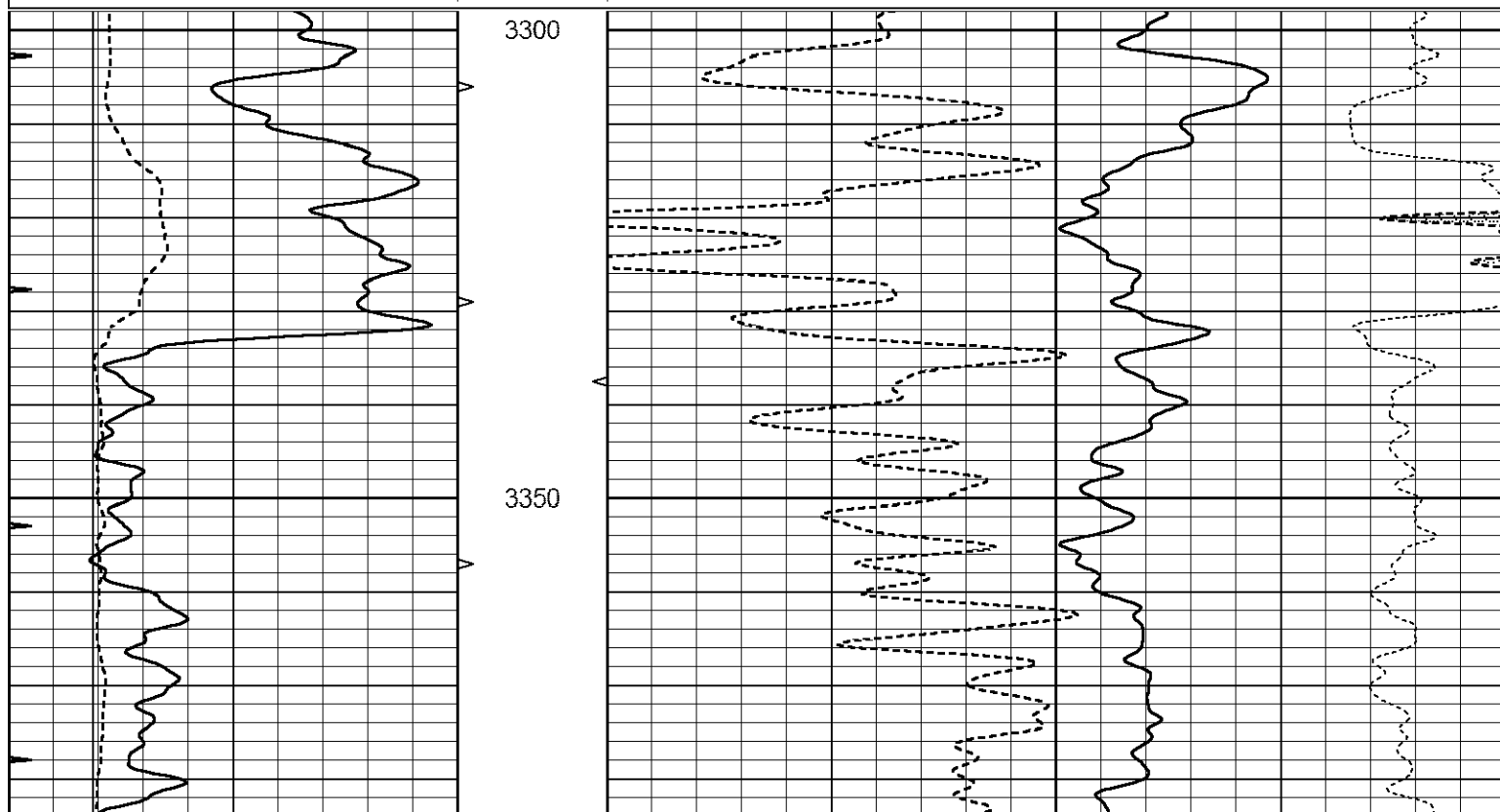


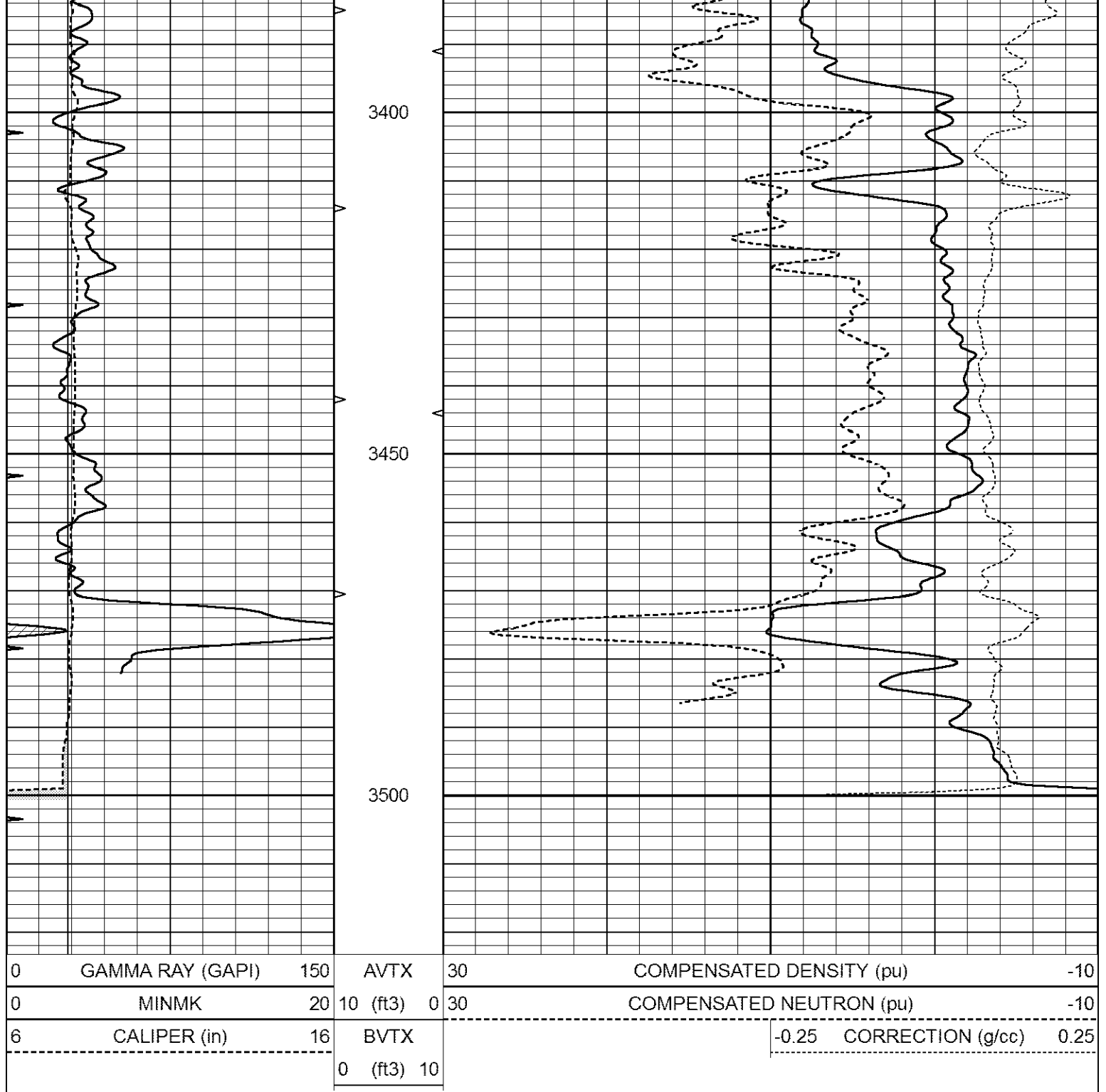


REPEAT SECTION

Database File 3006ddn8.db
 Dataset Pathname pass2.2
 Presentation Format _den_neu
 Dataset Creation Mon Oct 01 11:03:24 2018
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	AVTX	30	COMPENSATED DENSITY (pu)	-10
0	MINMK	20	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
6	CALIPER (in)	16	BVTX		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			





Calibration Report

Database File 3006ddn8.db
 Dataset Pathname pass2.2
 Dataset Creation Mon Oct 01 11:03:24 2018

Dual Induction Calibration Report

Serial-Model: FW1410-55-Probe
 Surface Cal Performed: Mon May 22 14:23:32 2017
 Downhole Cal Performed: Thu Mar 12 09:29:20 2015
 After Survey Verification Performed: Thu Mar 12 09:29:20 2015

Surface Calibration

Readings		References		Results	
Loop:	Air	Loop	Air	Loop	b
				m	

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		

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Compensated Neutron Calibration Report								
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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								
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Serial Number:			7					
Tool Model:			Probe1					
Performed:			Wed Jun 29 11:10:58 2016					
Calibrator Value:			1.0		GAPI			
Background Reading:			0.0		cps			
Calibrator Reading:			1.0		cps			
Sensitivity:			0.4300		GAPI/cps			