

Company **CMX, INC.**
Well **SUSANK2 #1-29**
Field **TRAPP**
County **BARTON**
State **KANSAS**

FULL WAVEFORM
SONIC
GAMMA RAY
X-Y CALIPER

RECON

SEC		TWP		RGE		OTHER SERVICES: DNL LDT
29		16S		13W		
Location, 940' FNL & 1210' FWL						
SURF. SAME		API#.		NE SE NW NW 15-009-26117-00-00		
Permanent Datum		Ground Level		Elev		ELEVATIONS K.B. 1952
Log Measured From		Kelly Bushing				G.L. 1944
Drilling Measured From		Kelly Bushing				D.F. 1950

Date	13-SEP-2015	
Run No.	ONE	
TD Driller	3395	ft.
TD RECON	3393	ft.
Bot Logged Interval	3392	ft.
Top Logged Interval	472	ft.
Casing Depth Driller	8 5/8	in. @ 473
Casing Depth RECON	8 5/8	in. @ 472
Bit Size	7 7/8	in.
Drilling Fluid Type	CARBONOX	
Density	9.3 ppg	60 sec/qt
Fluid Loss	8.0 ml/30min	10.5 strip
Source Of Sample	Flowline	
RM @ Measured Temp	1.594	Ohmm @ 75°F
RMF @ Measured Temp	1.195	Ohmm @ 75°F
RM @ Measured Temp	1.992	Ohmm @ 75°F
RM @ MRT	1.166	Ohmm @ 105°F
Max Recorded Temp	105°F	DegF
Time Drilling Stopped	13-SEP-2015	08:00
Time Circulation Stopped	13-SEP-2015	21:45
Time Logger On Bottom	14-SEP-2015	01:00
Unit Num	S409	OKLAHOMA CITY, OK
Recorded By	H. GARCIA	
Witnessed By	MR. K. LeBLANC	

All interpretations are based on inferences from electrical or other readings, and therefore, RECON cannot and will not guarantee the accuracy of any interpretations of log data. RECON shall not be liable for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from

interpretations made by any of our officers, agents or employees, except in the case of provable Gross Negligence or willfull damage. Interpretations are also subject to the terms and conditions of our Price Schedule and General Service Agreement.

RIG INFORMATION

Drill Contr/Rig# DUKE DRLG. #2

GENERAL REMARKS SECTION

FIRST RUN IN THE HOLE
CNL AND LDT LOGGED IN A LIMESTONE MATRIX
TOP MARK - 470.7, BOTTOM MARK - 3273.7
CNL/LDT LOGGED MATRIX: 2.71 g/cc.

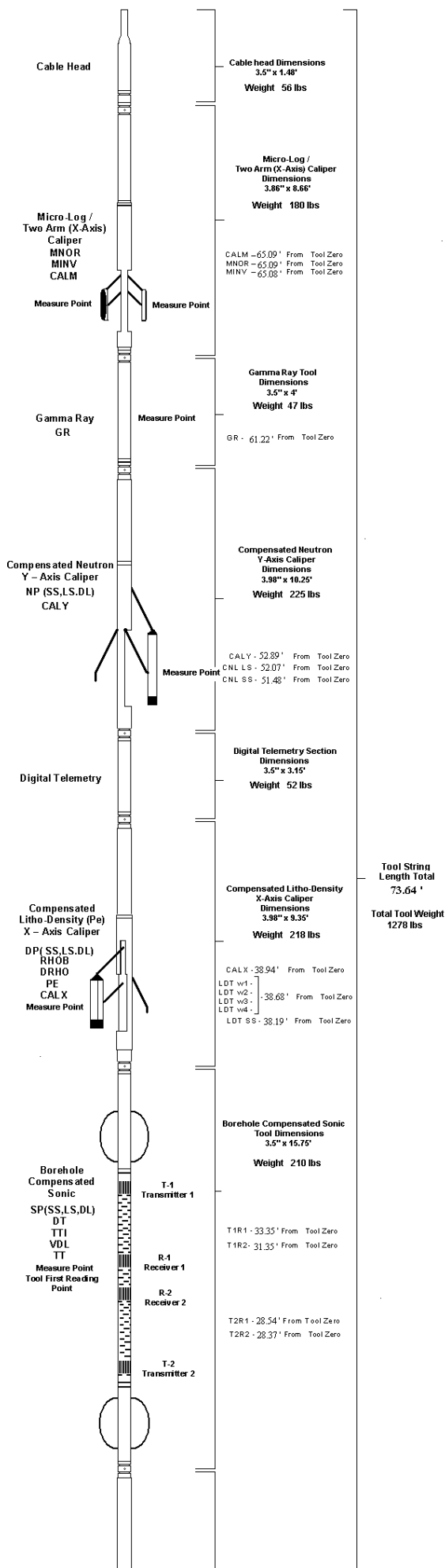
CHLORIDES: 7500 mg/l
LCM: 0 lb/bbl

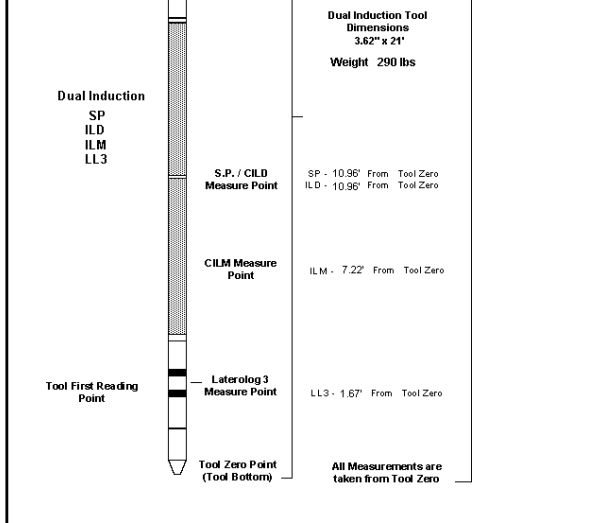
THANK YOU FOR USING RECON PETROTECHNOLOGIES LTD.

AHV CALCULATED ON 5.5" PROD. CASING

CREW: C. WILKES

DUAL INDUCTION - SP / BHC SONIC /
GAMMA RAY / LITHO-DENSITY / X-CALIPER
COMPENSATED NEUTRON / Y-CALIPER
MICRO-LOG / M-CALIPER

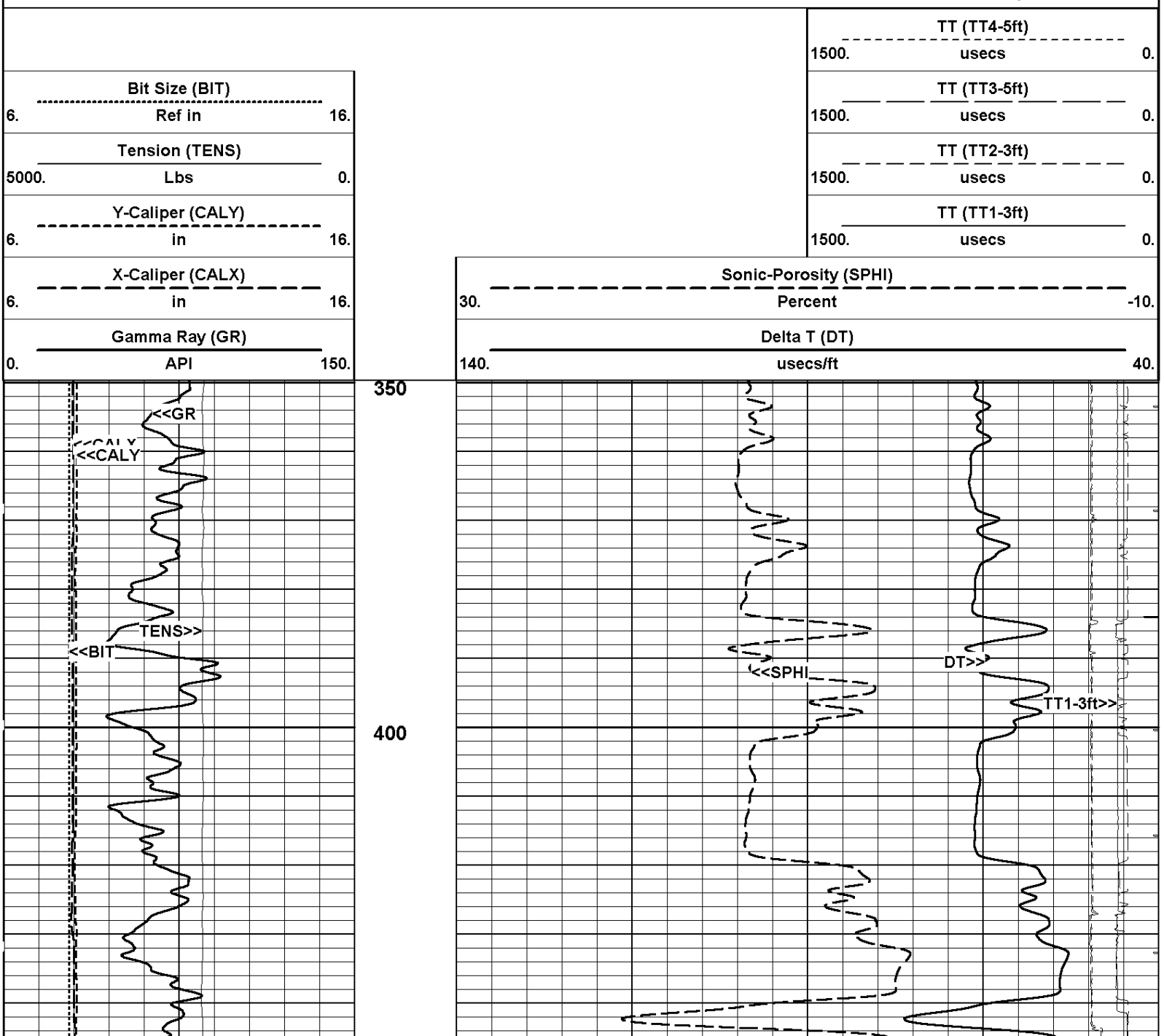


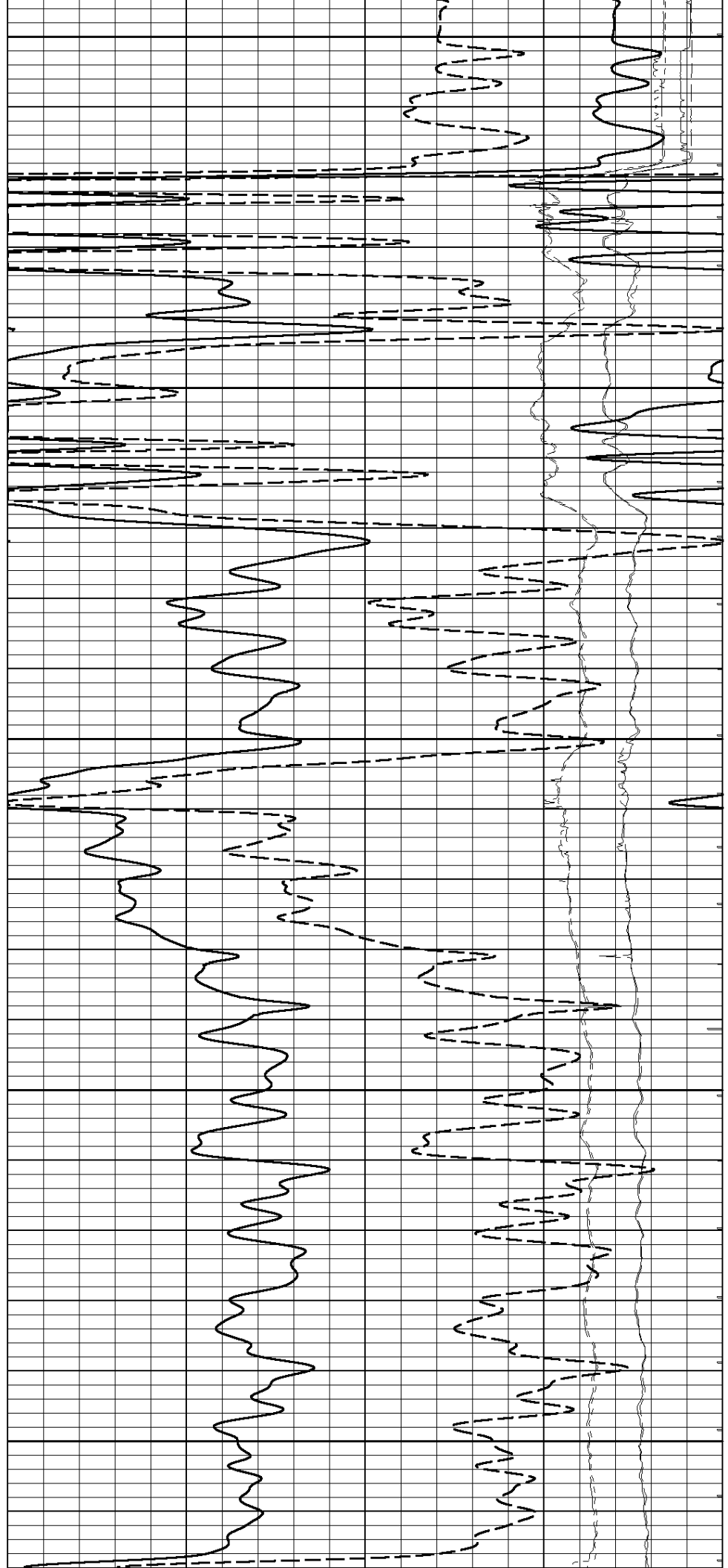
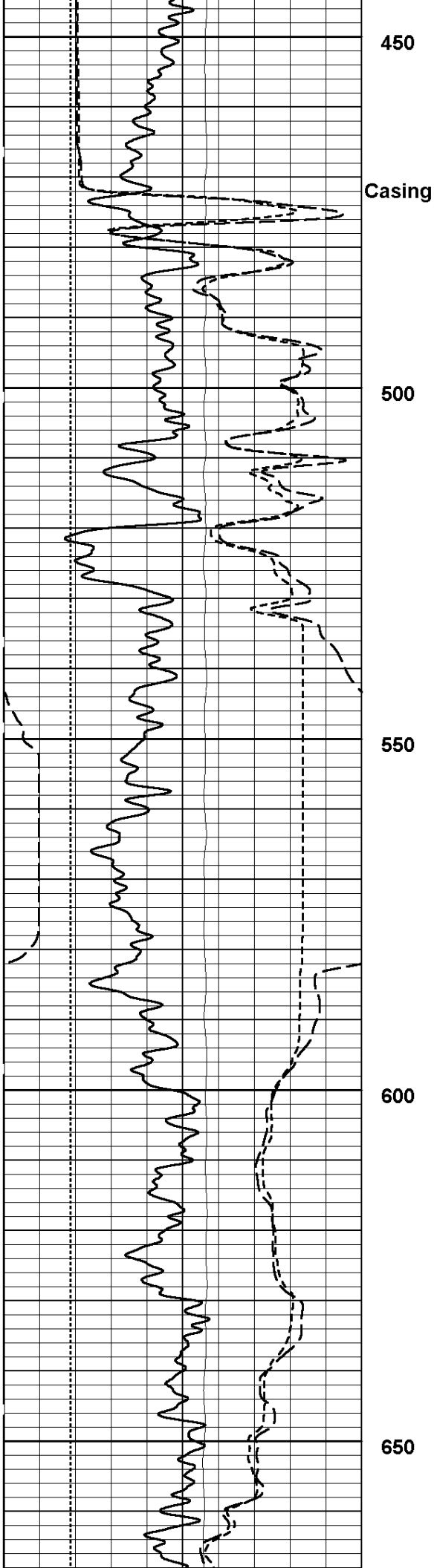


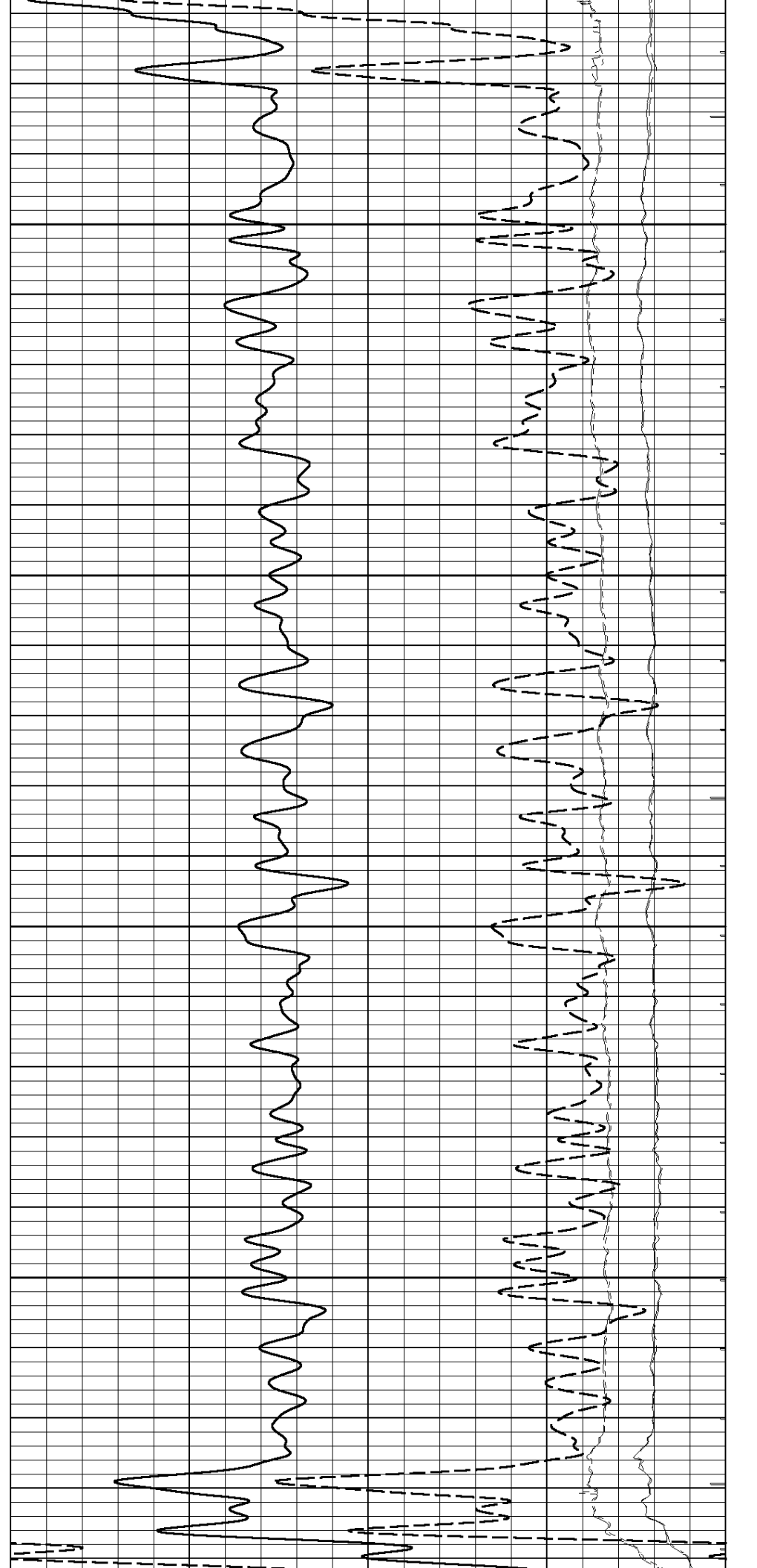
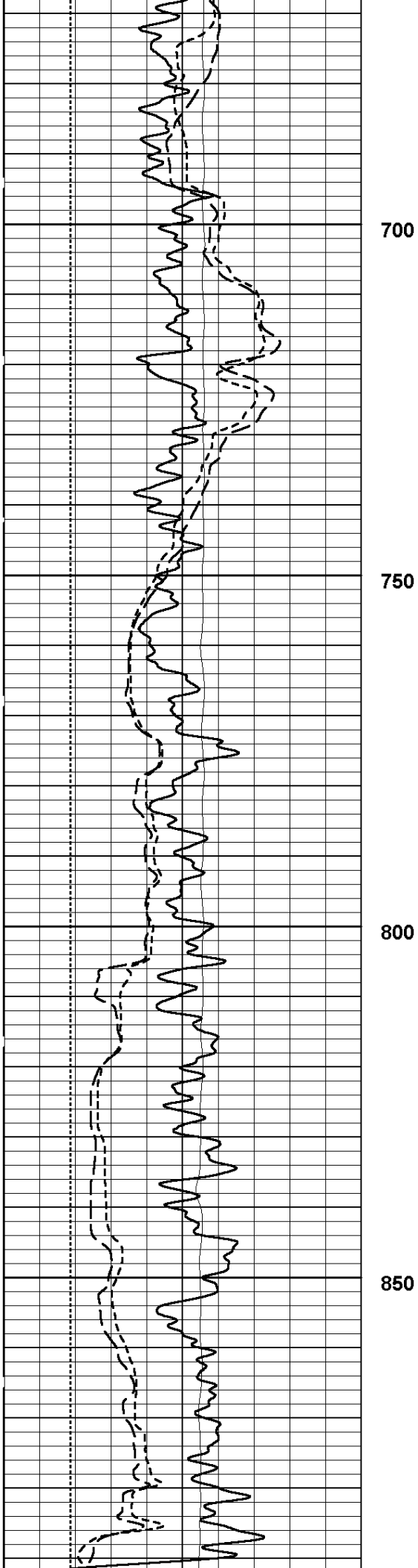
09/14/2015
03:05:01 => End Time

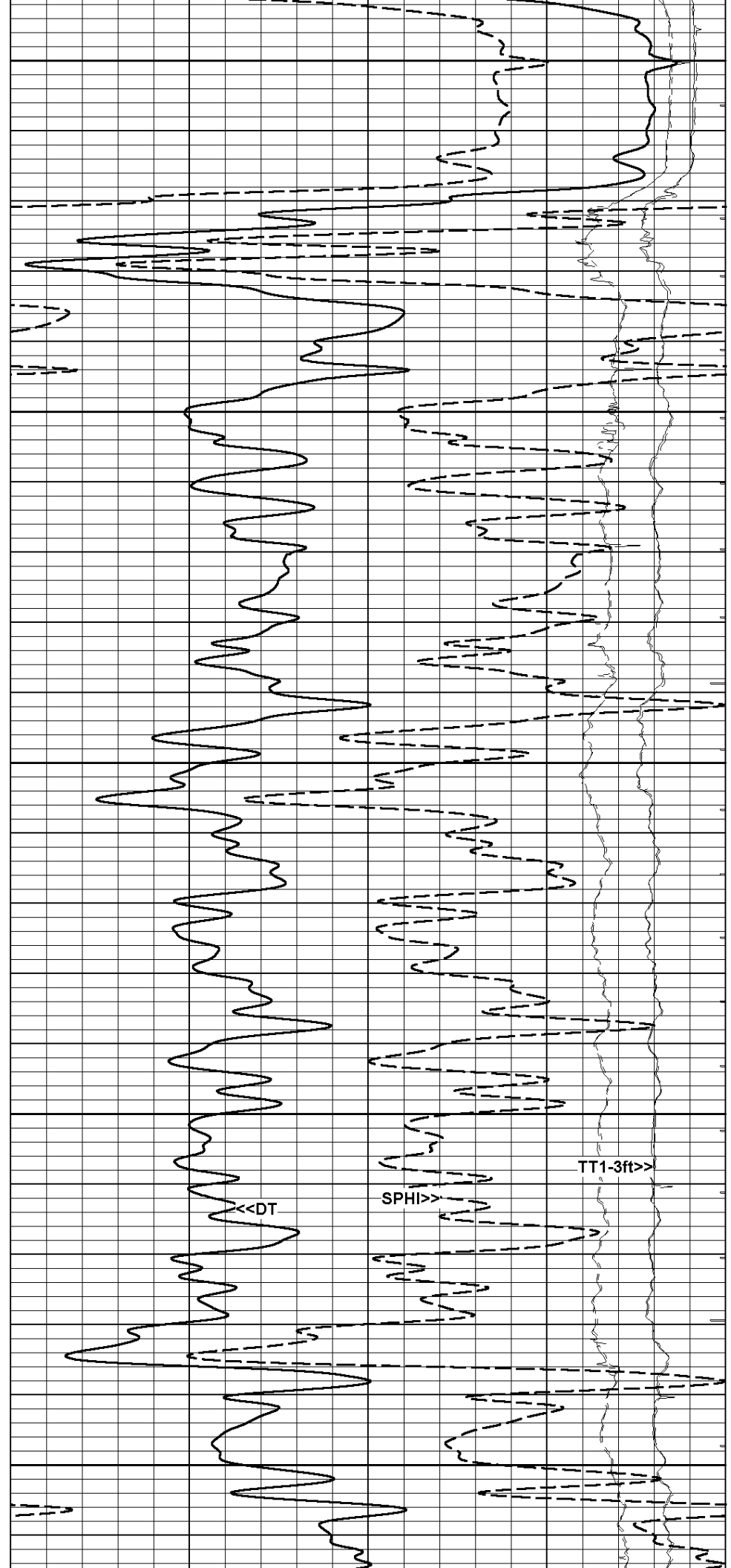
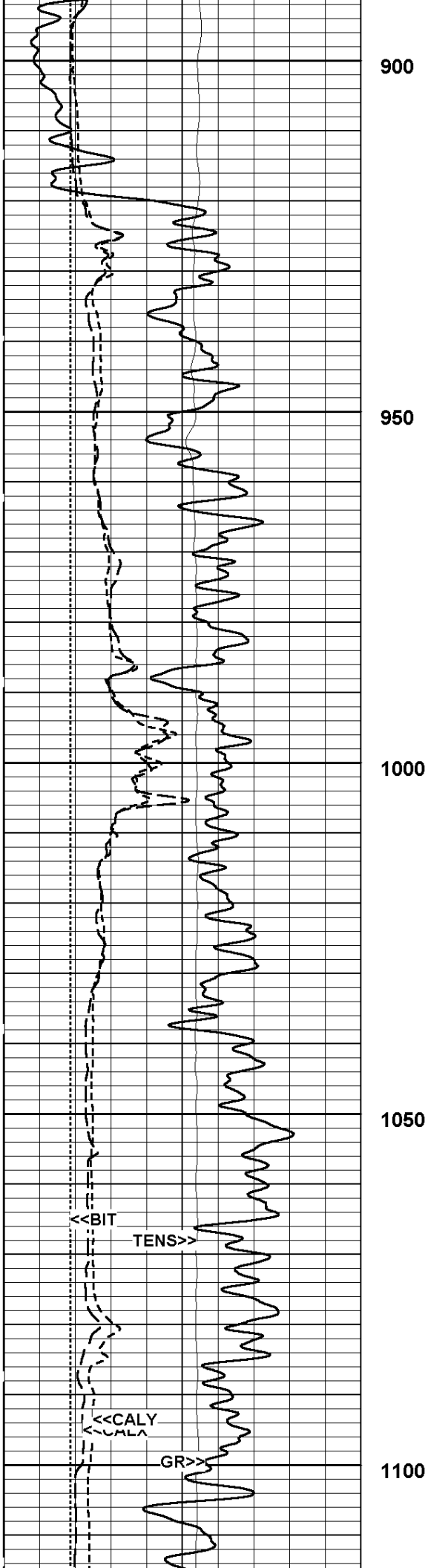
MAIN PASS (5"/100ft)

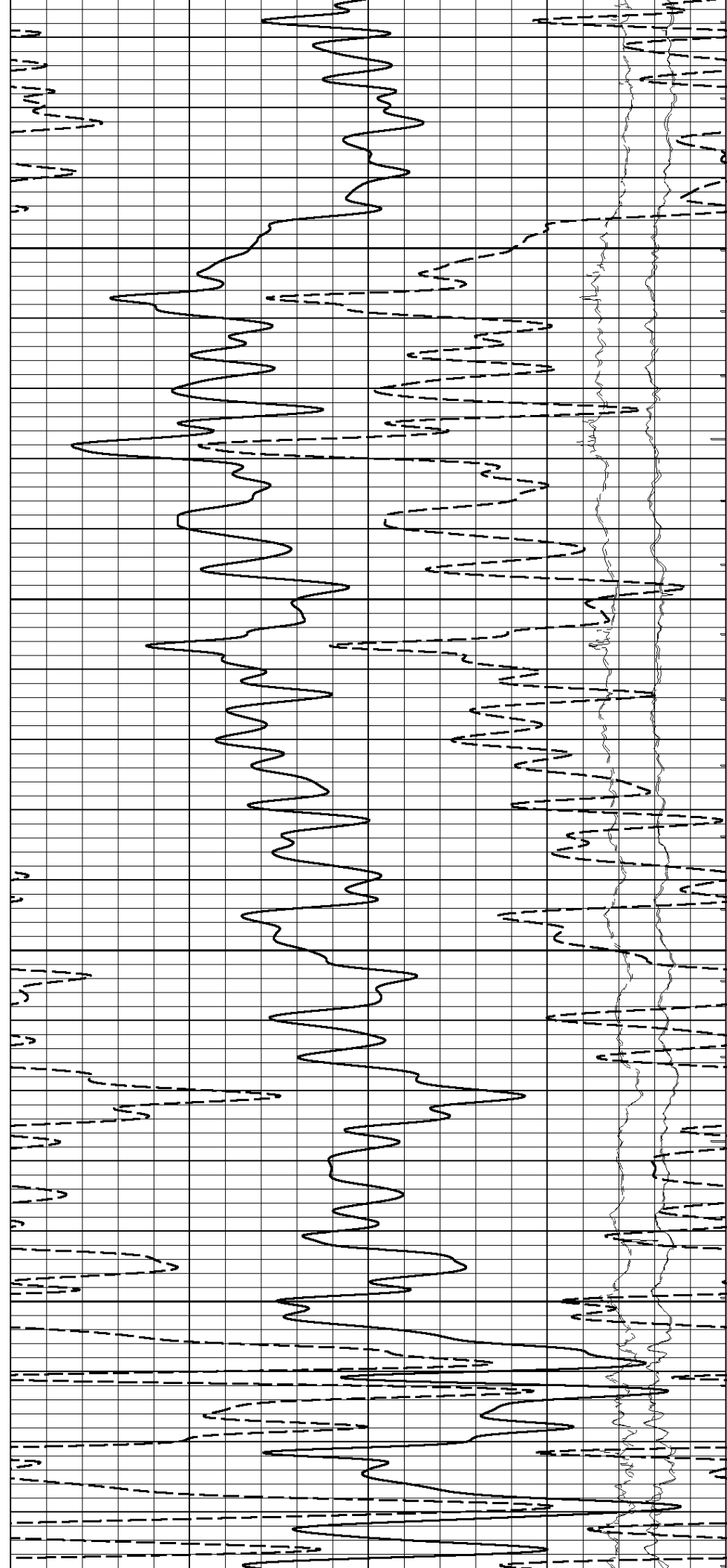
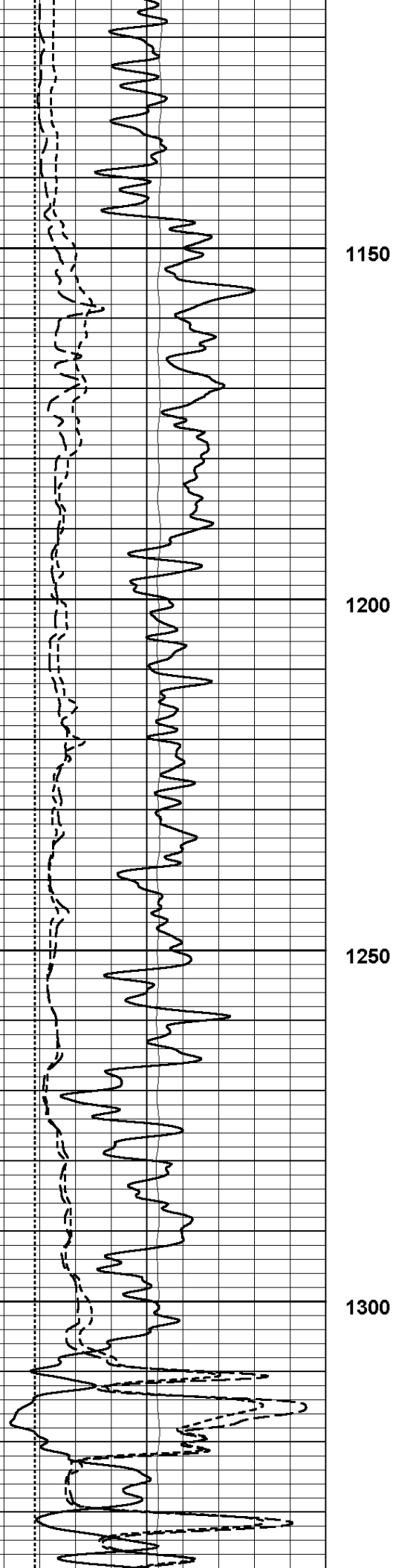
Log UP - (VER 11.27)
End Depth=> 349.90 Feet

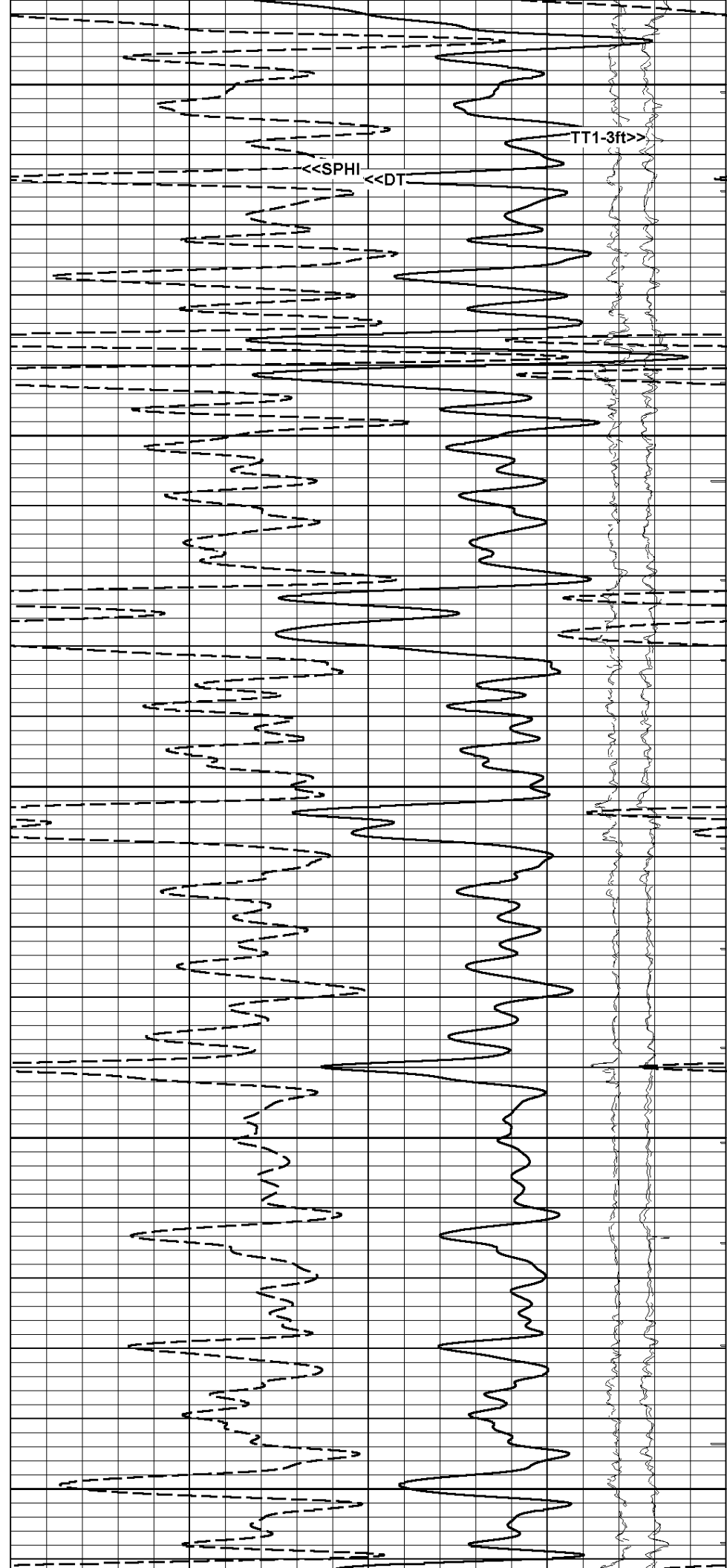
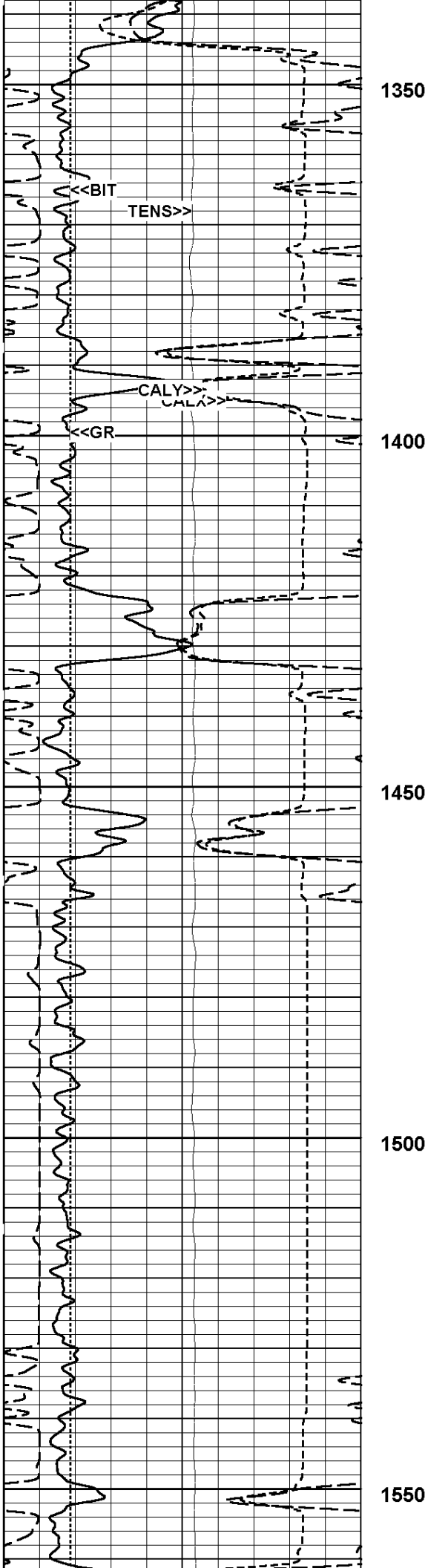


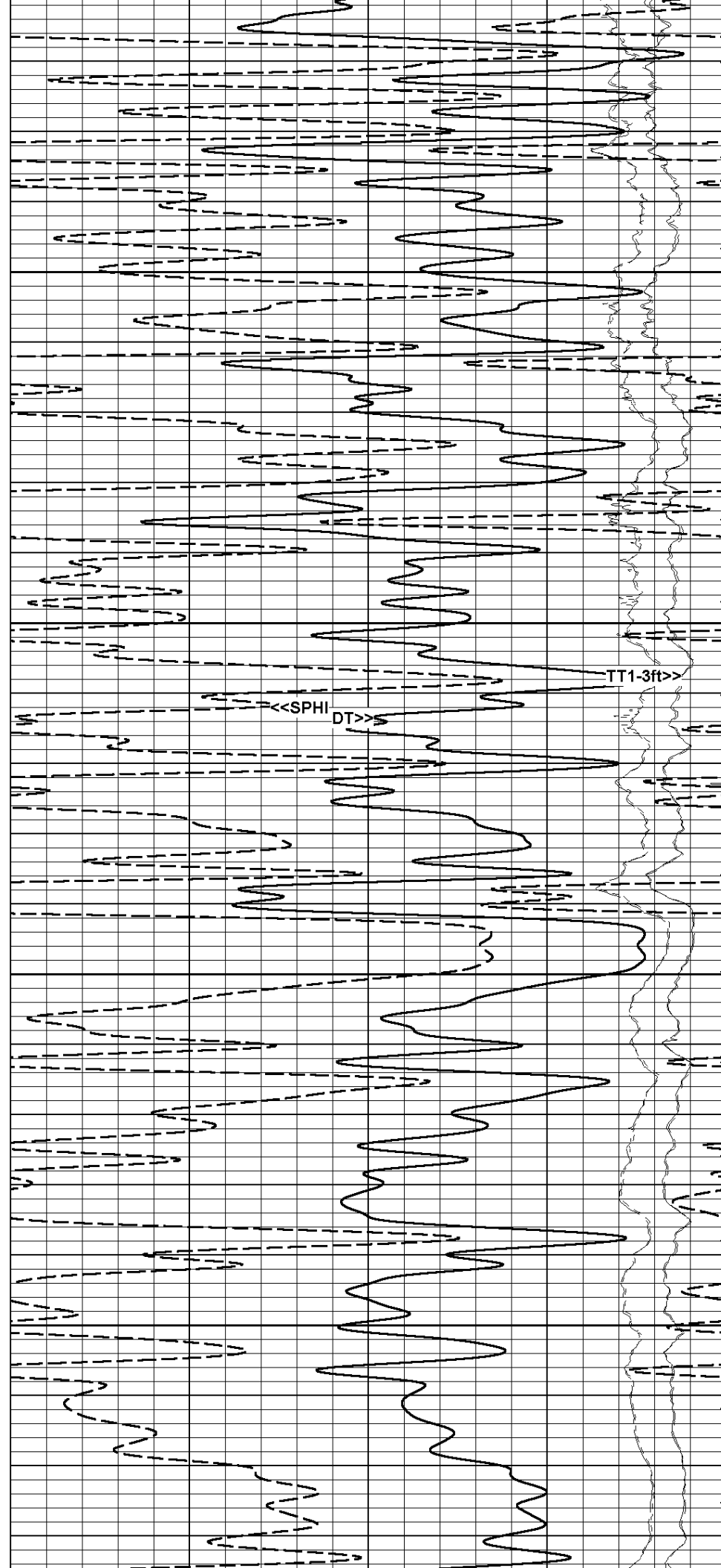
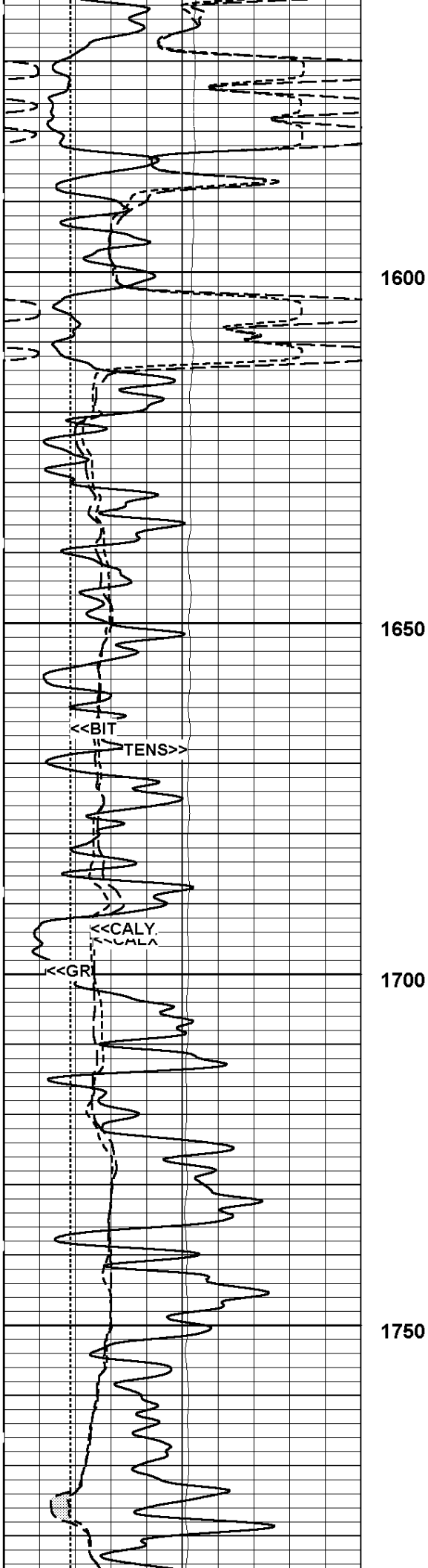


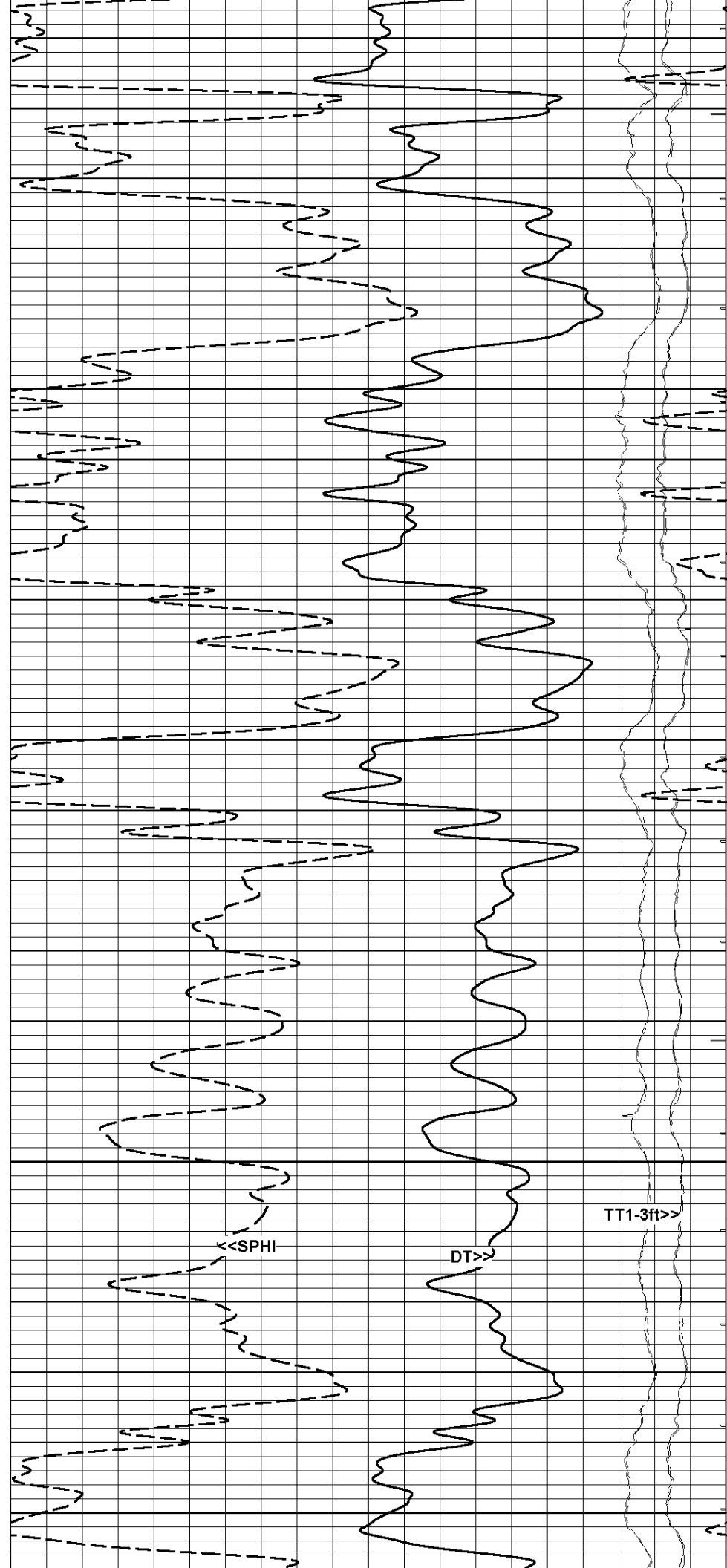
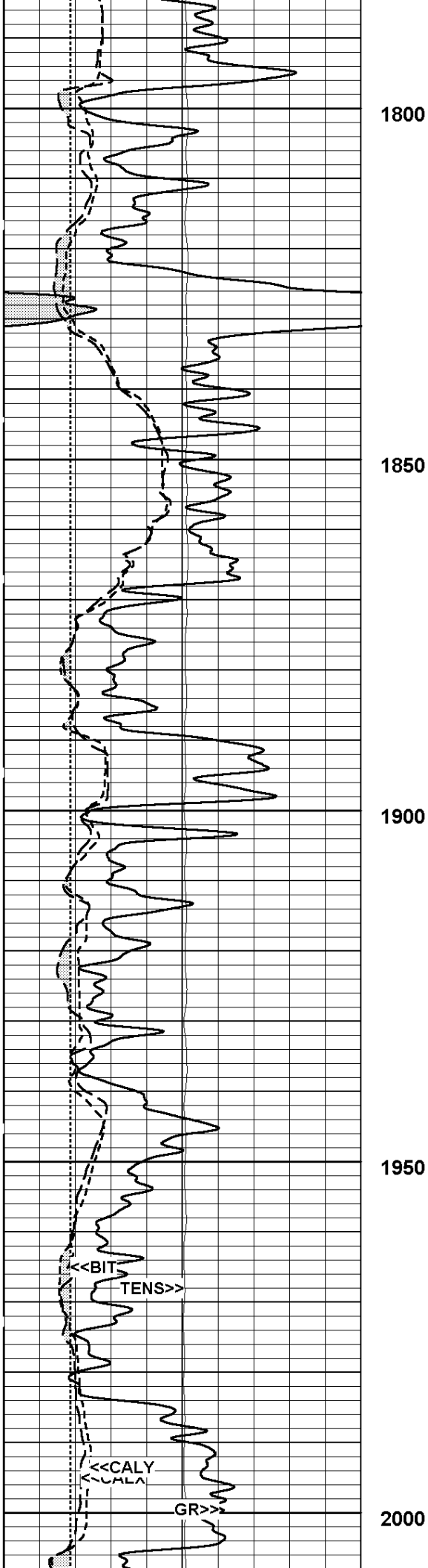


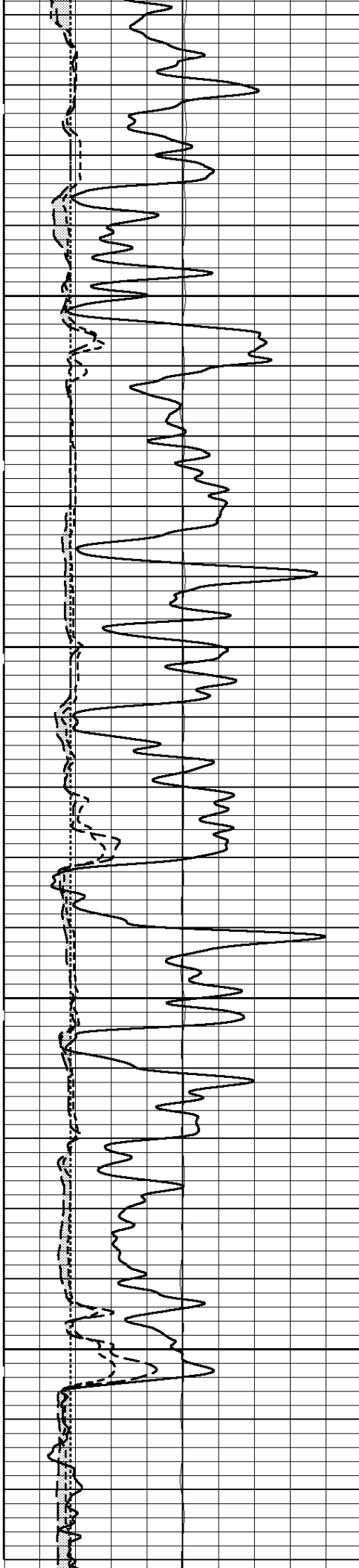










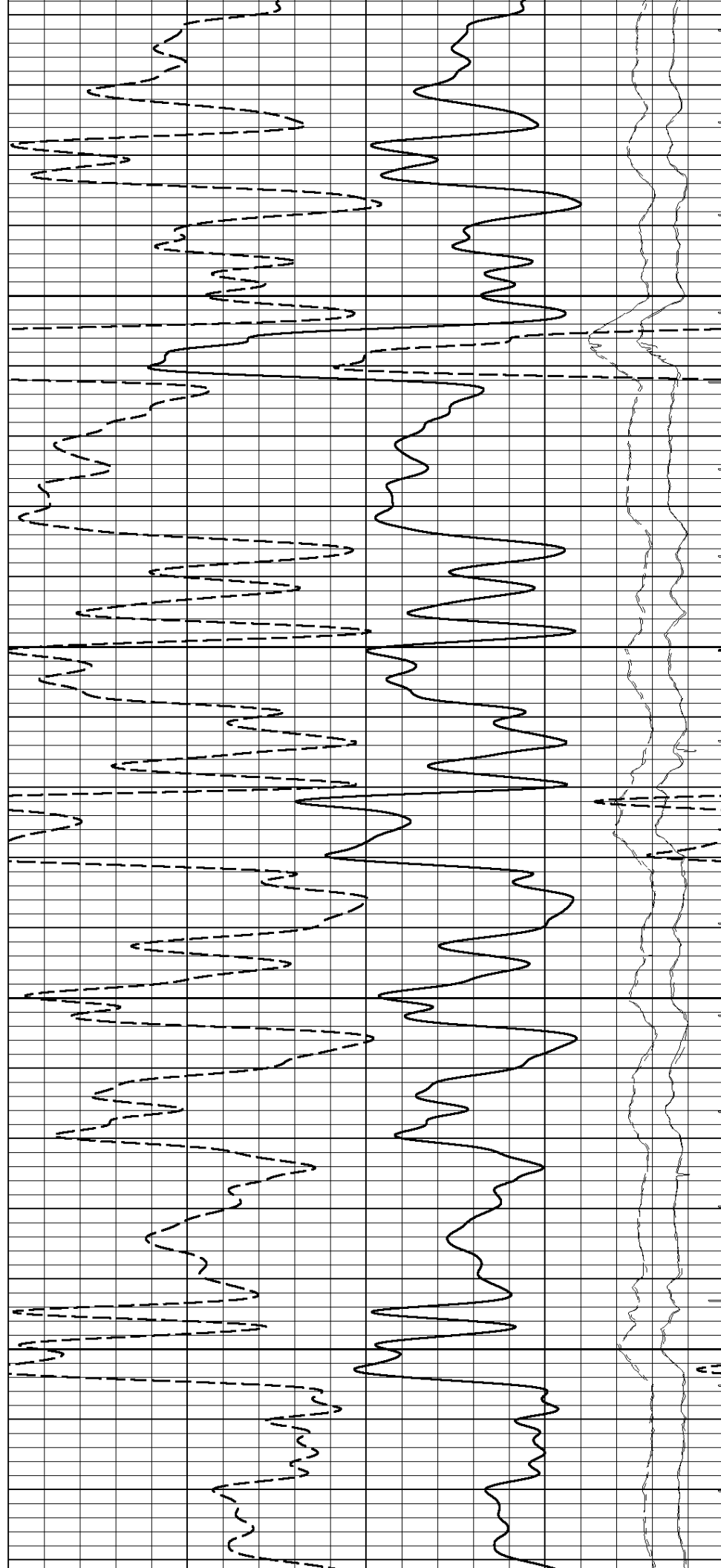


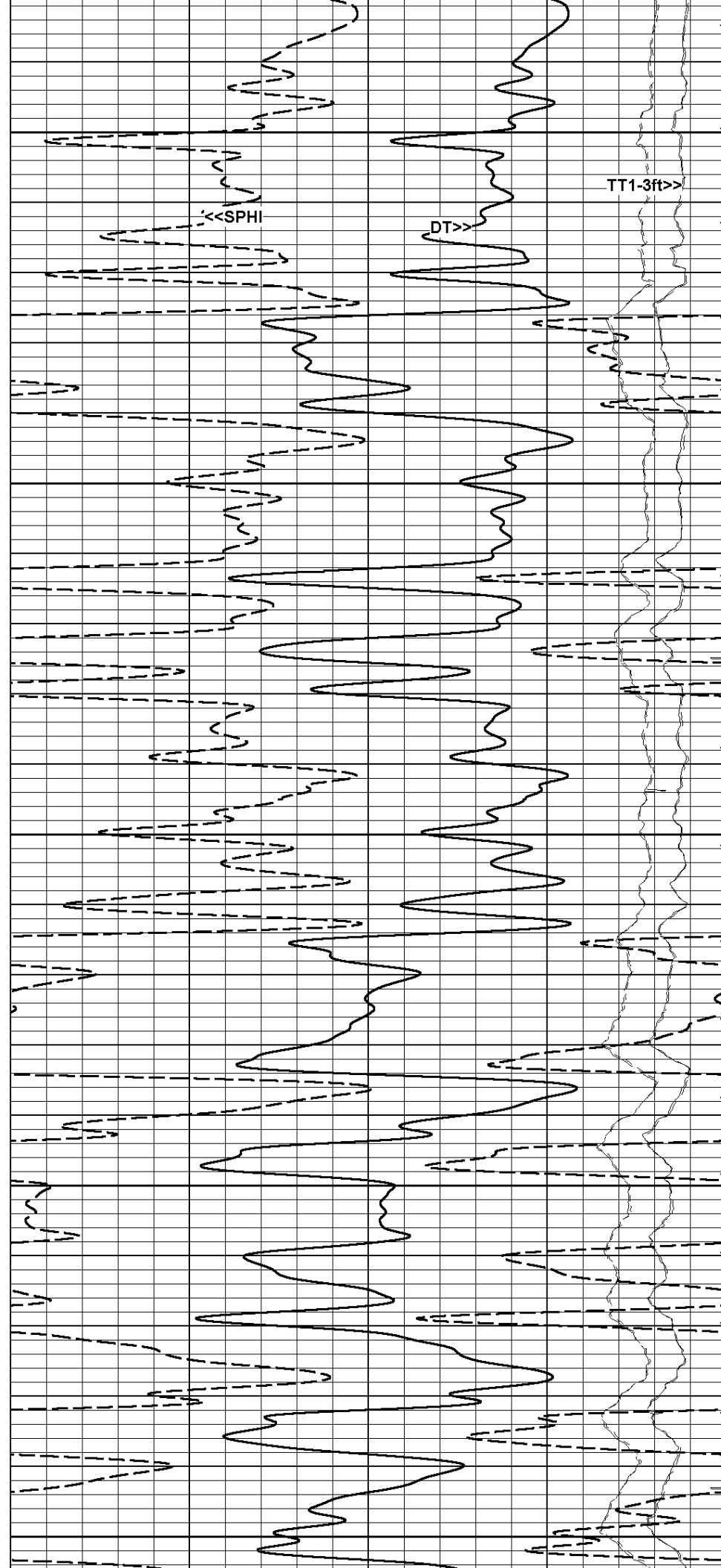
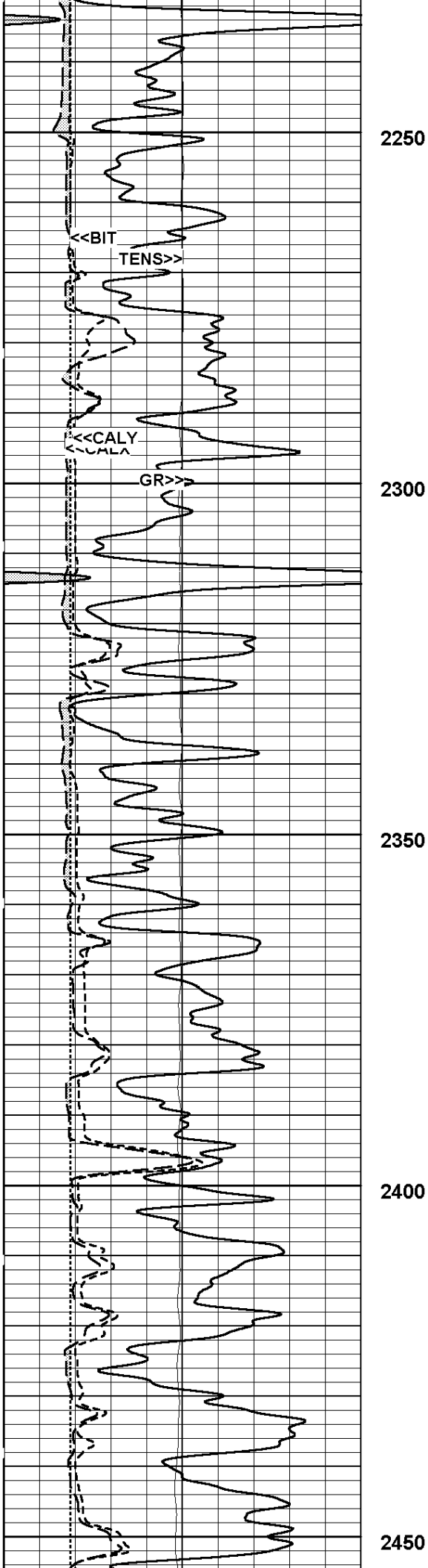
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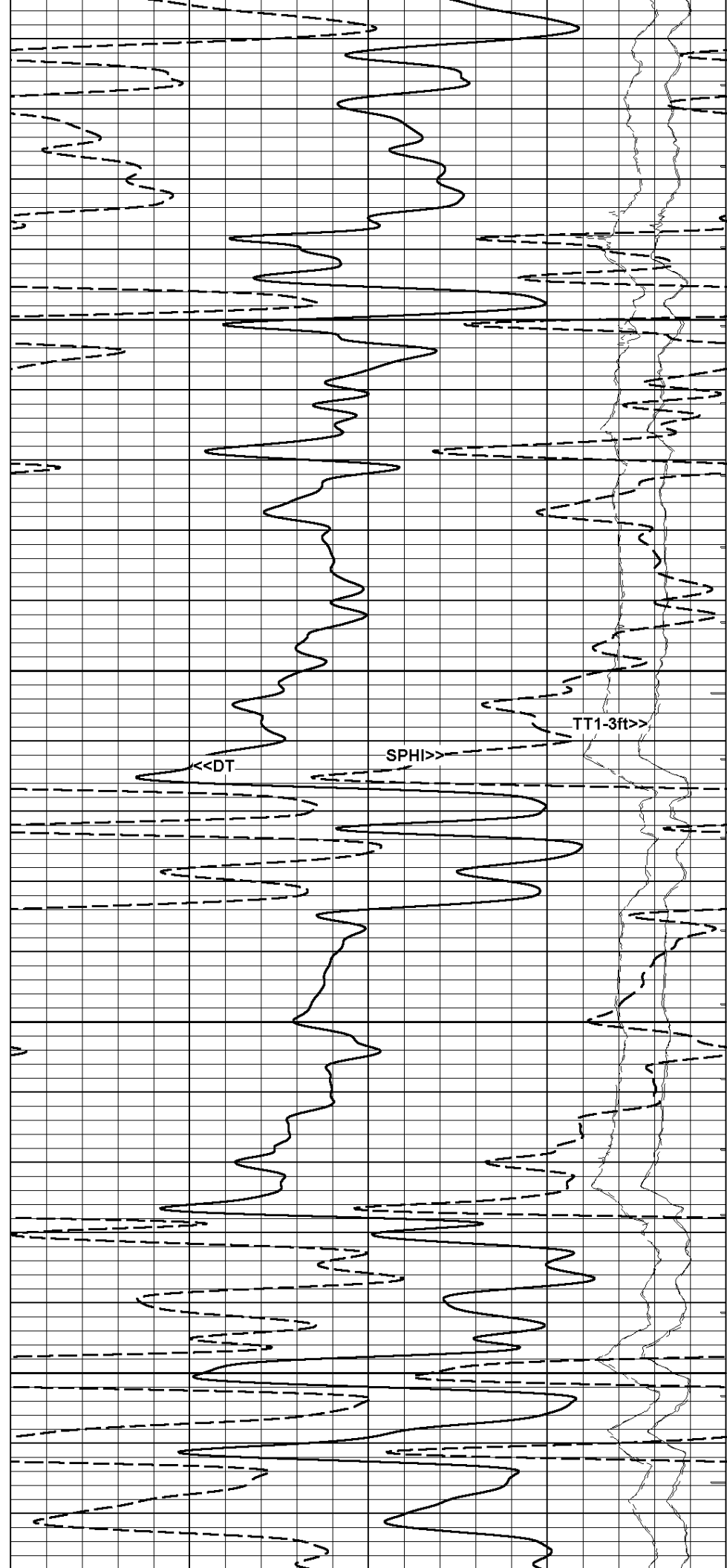
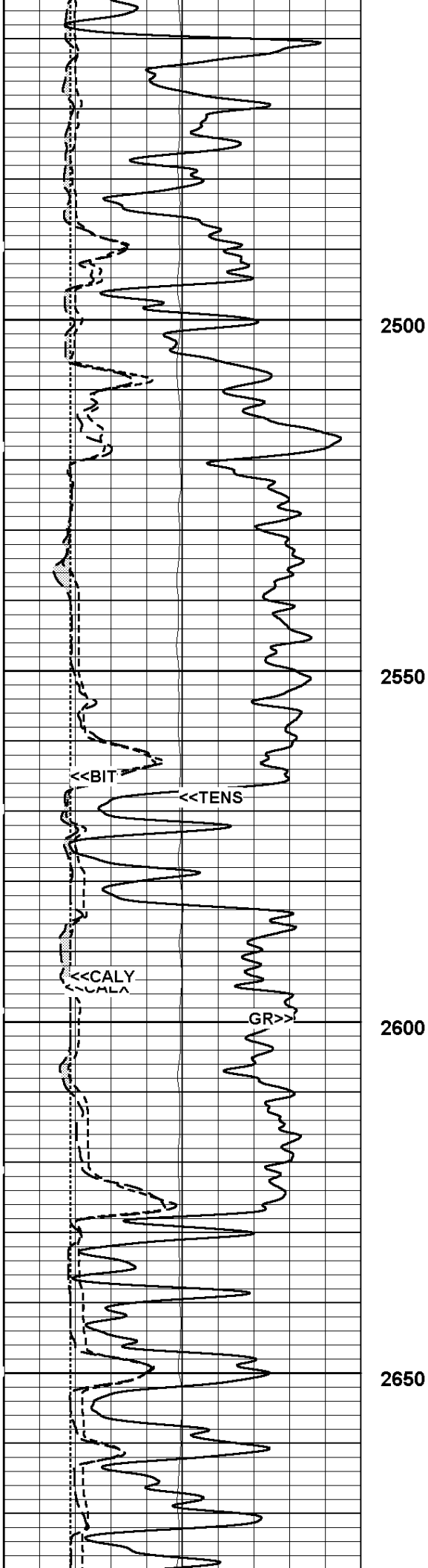
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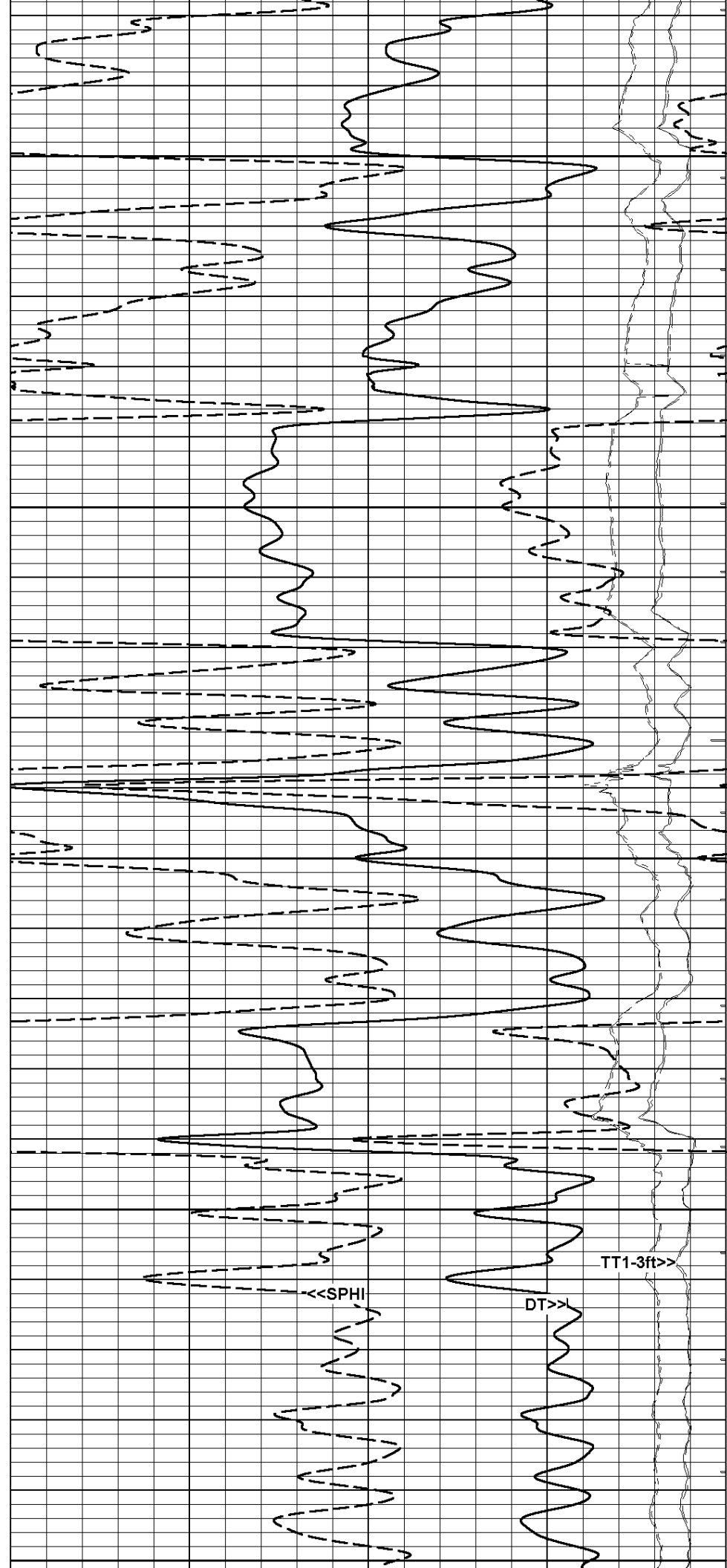
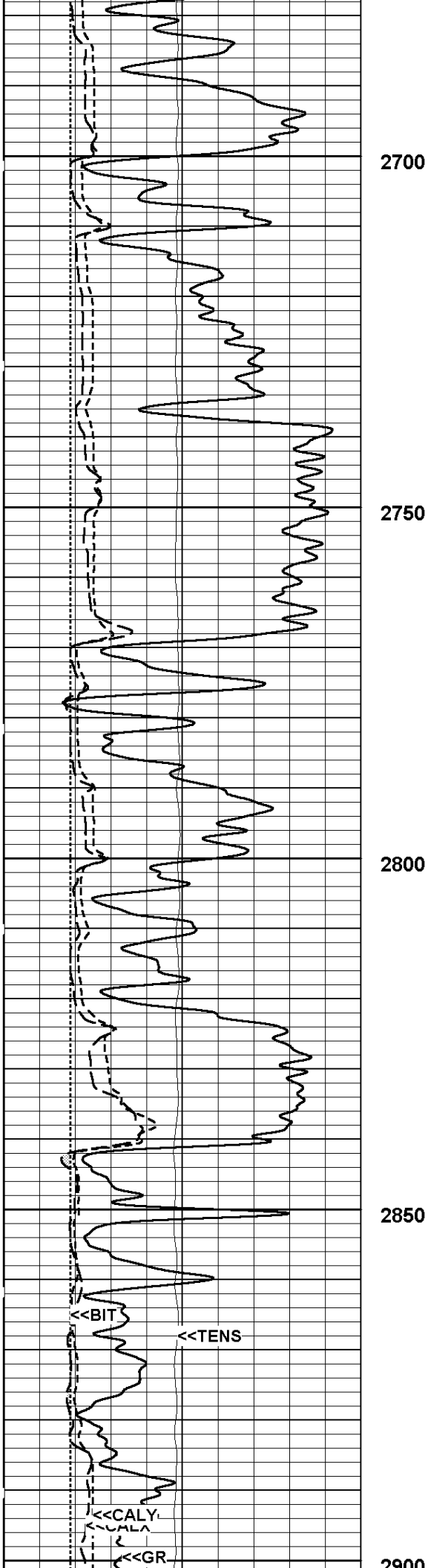
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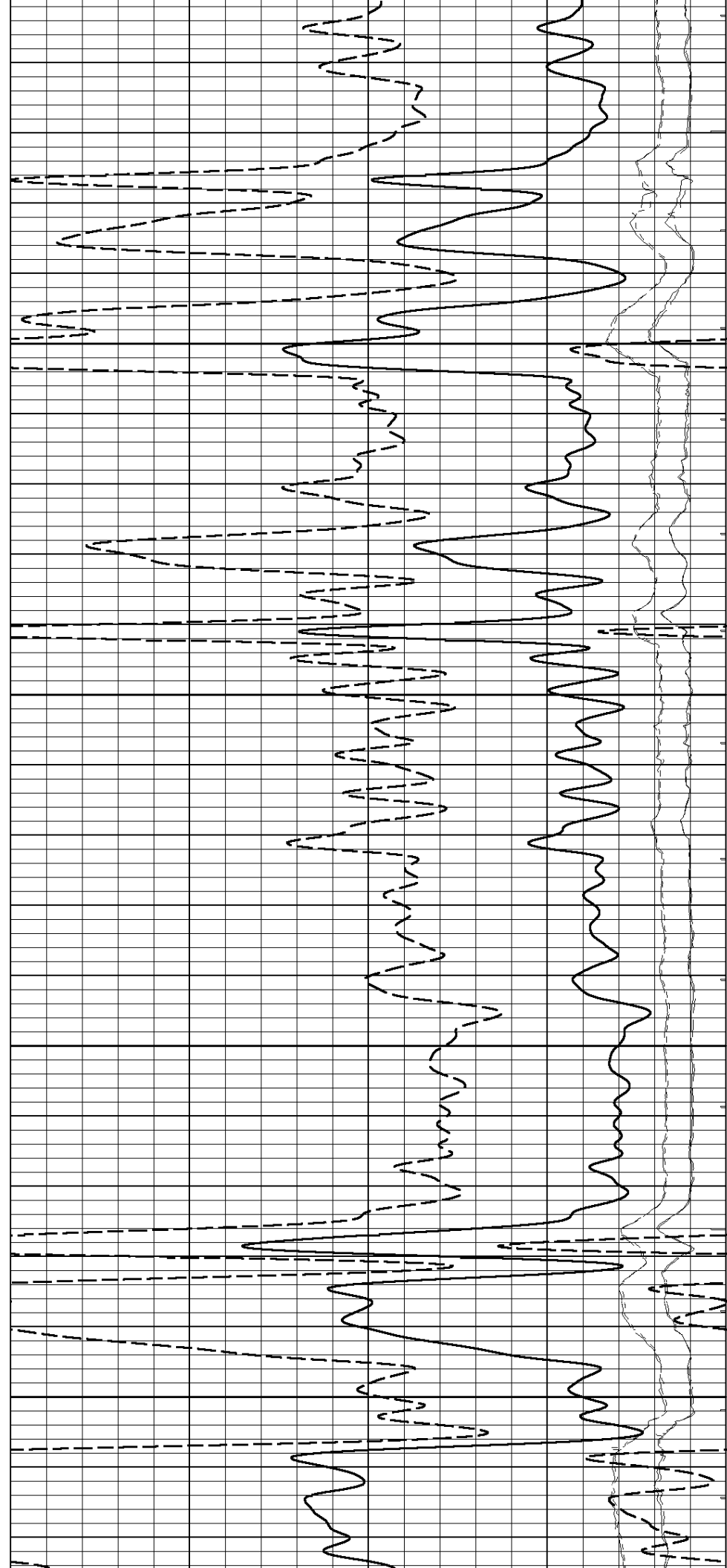
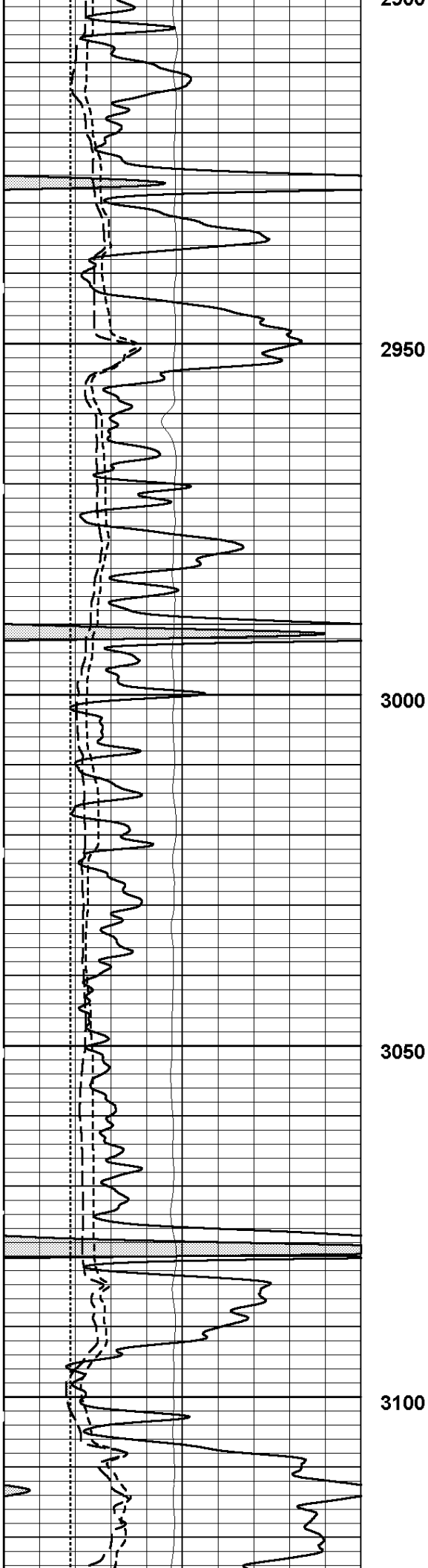
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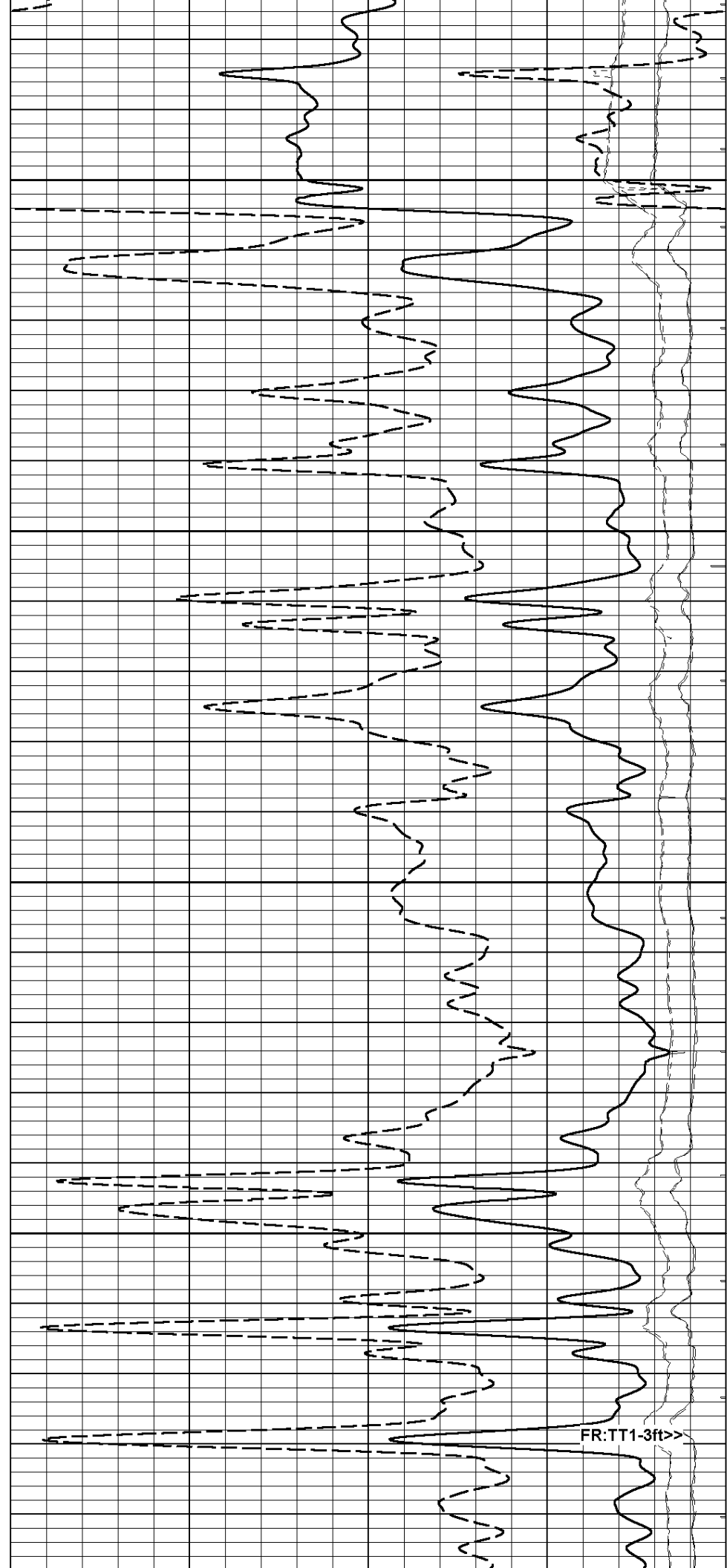
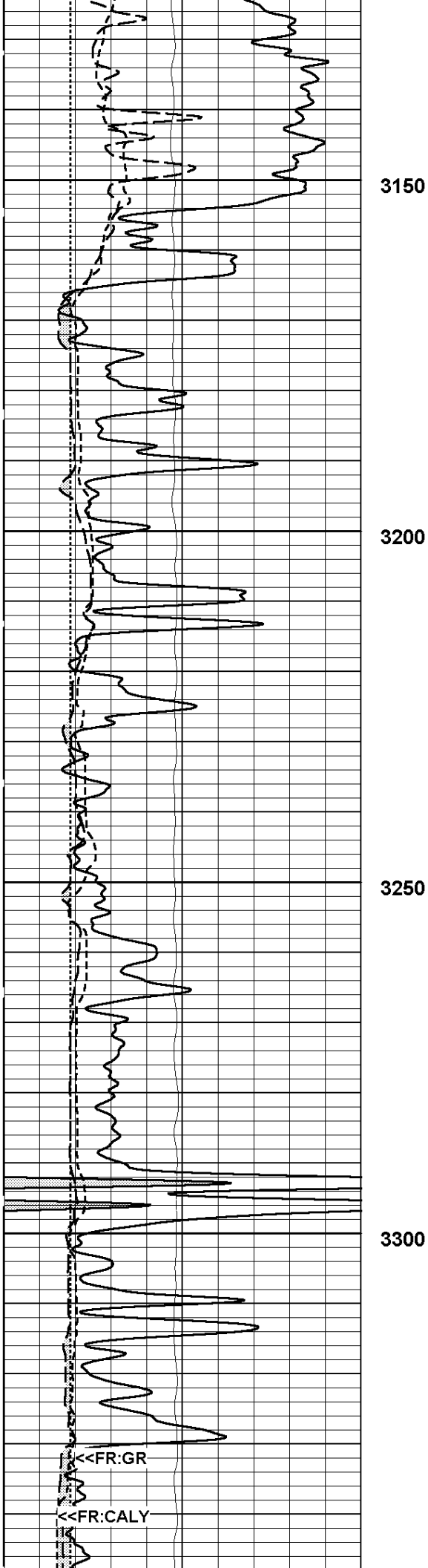


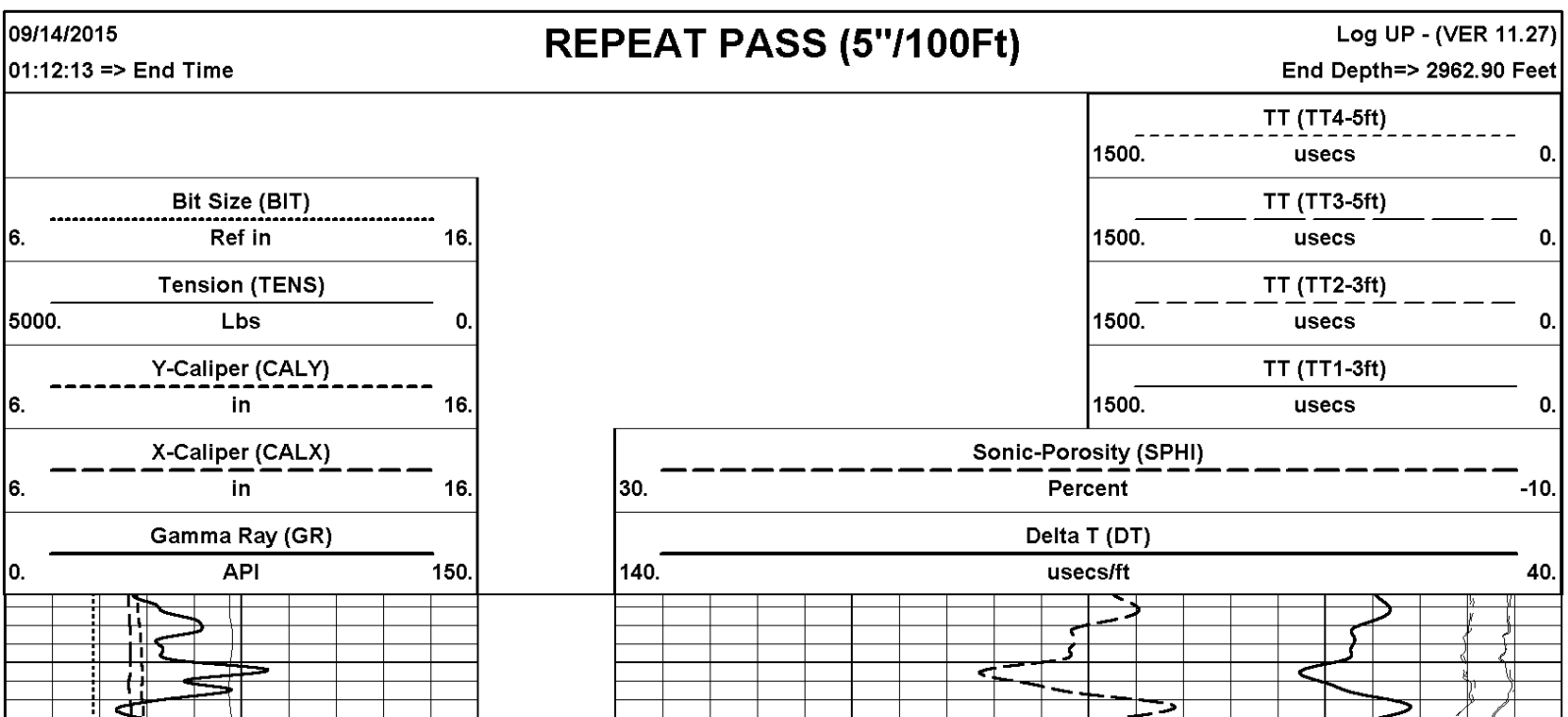
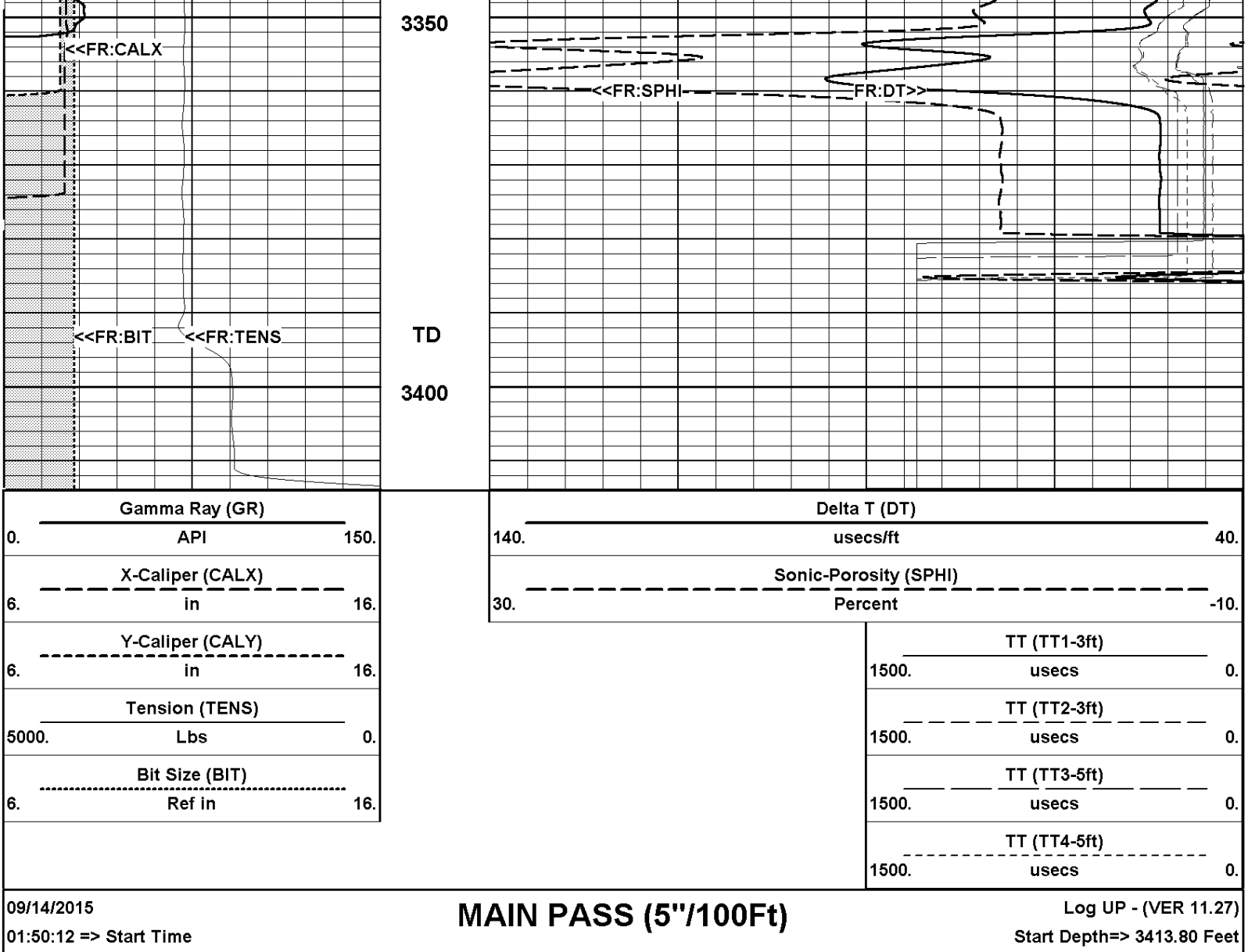


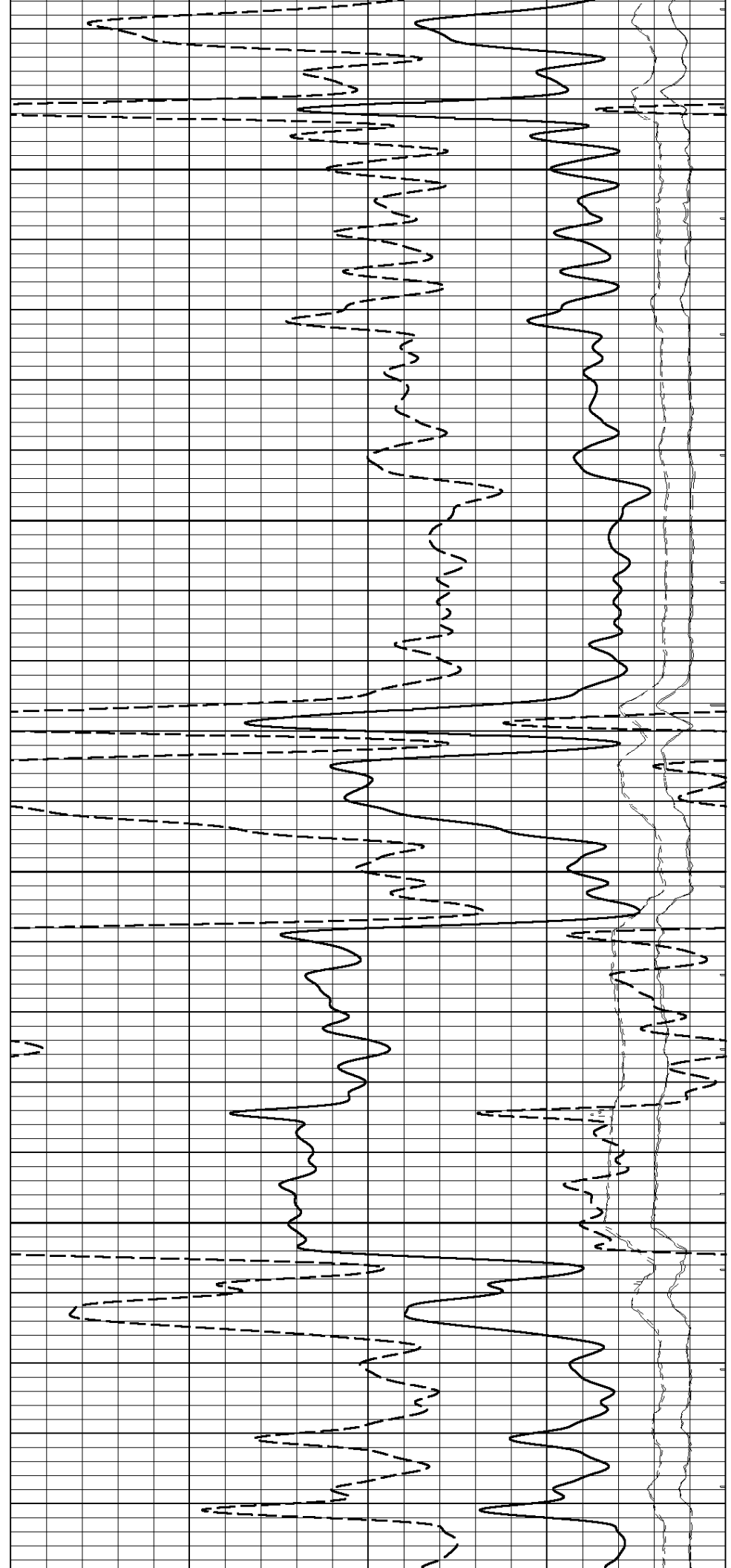
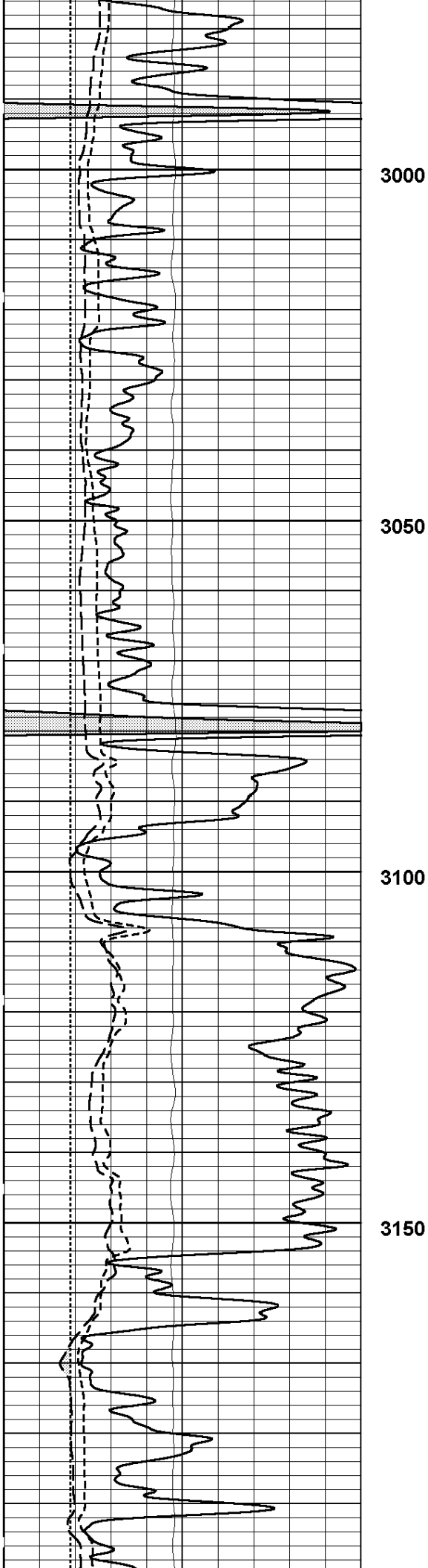


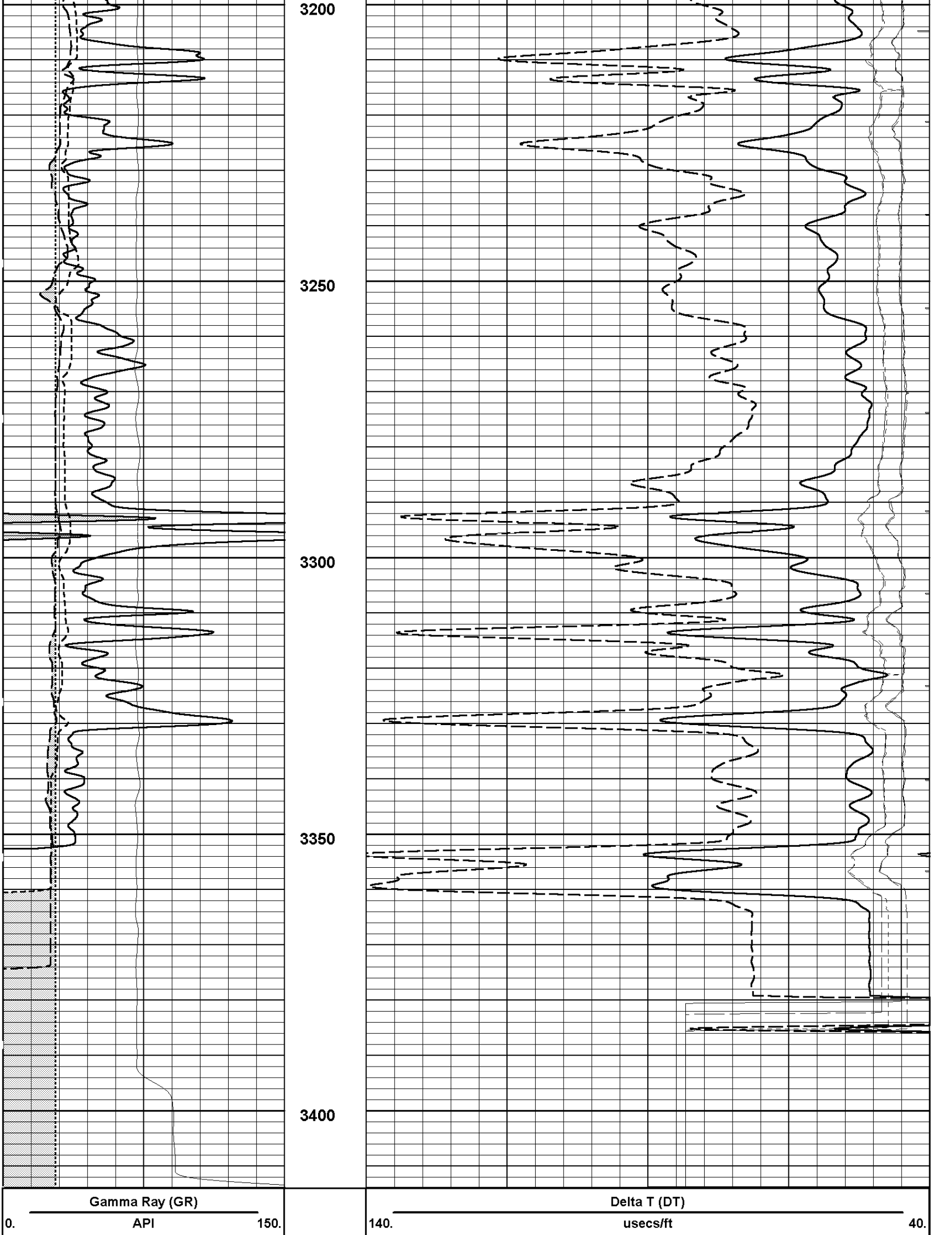


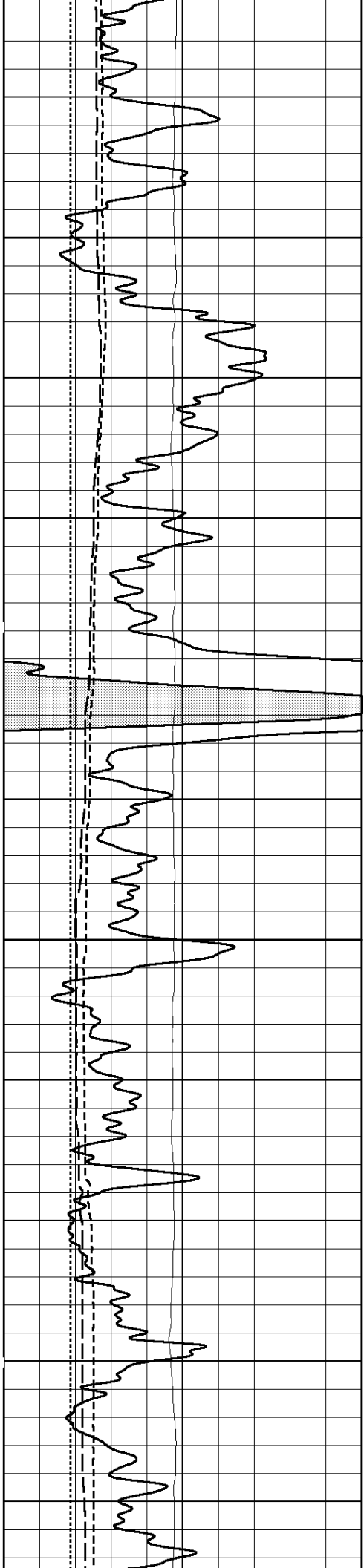






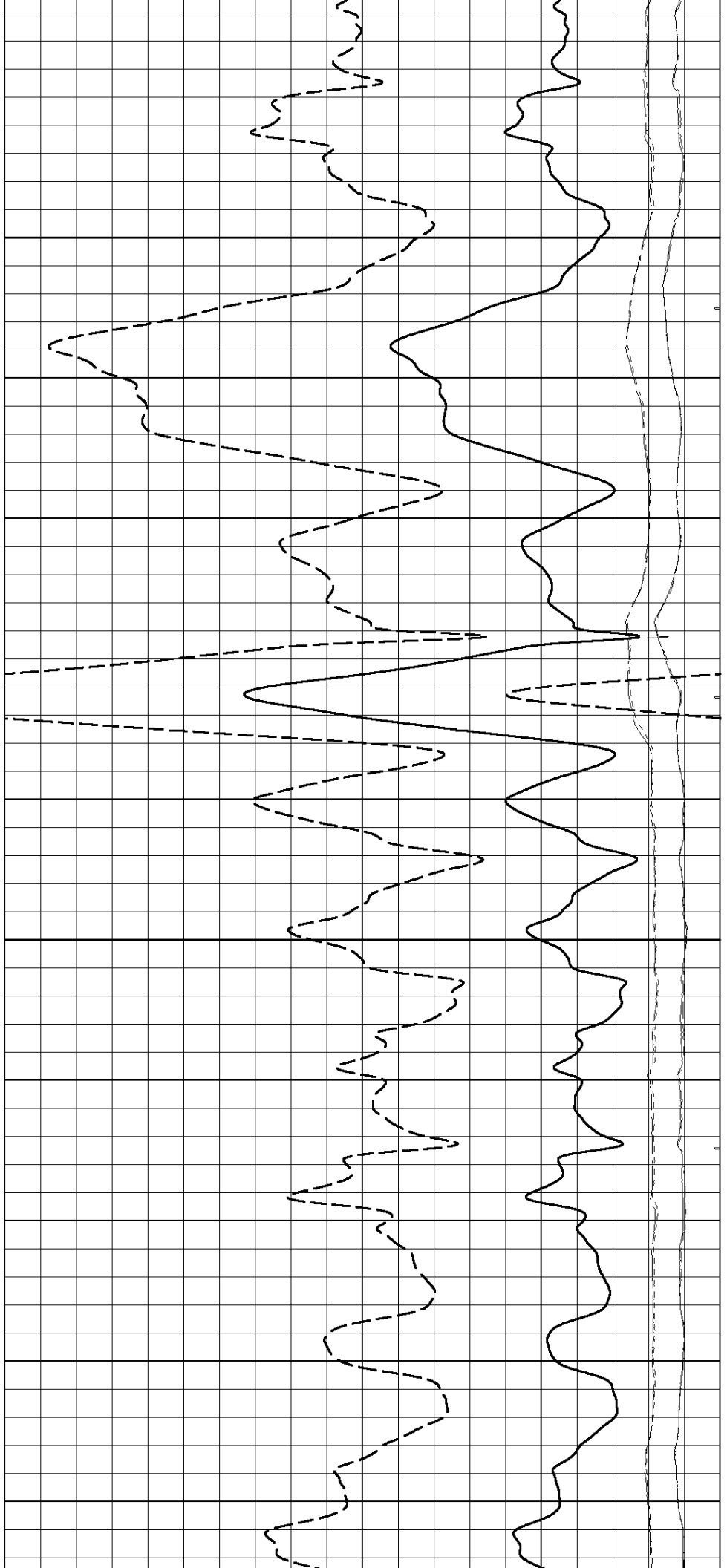


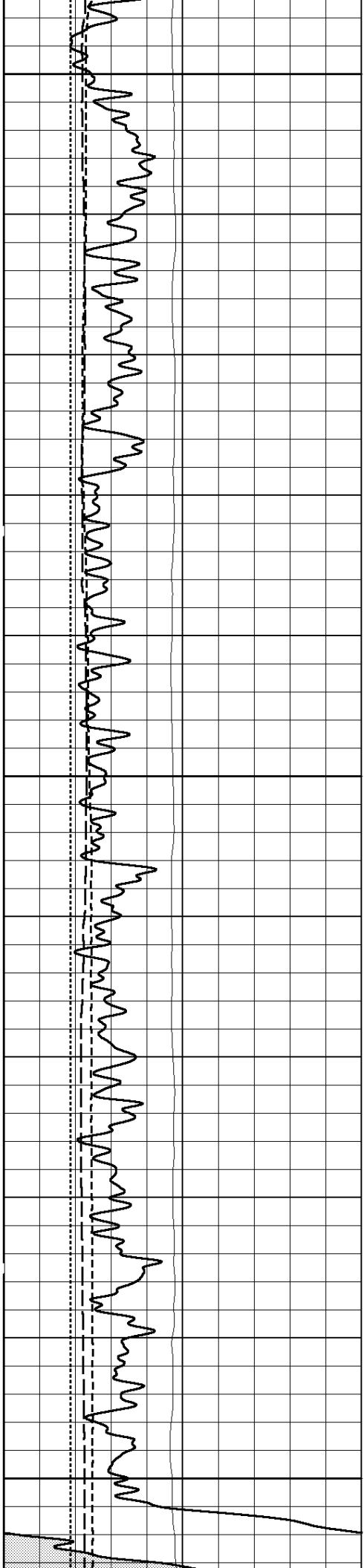




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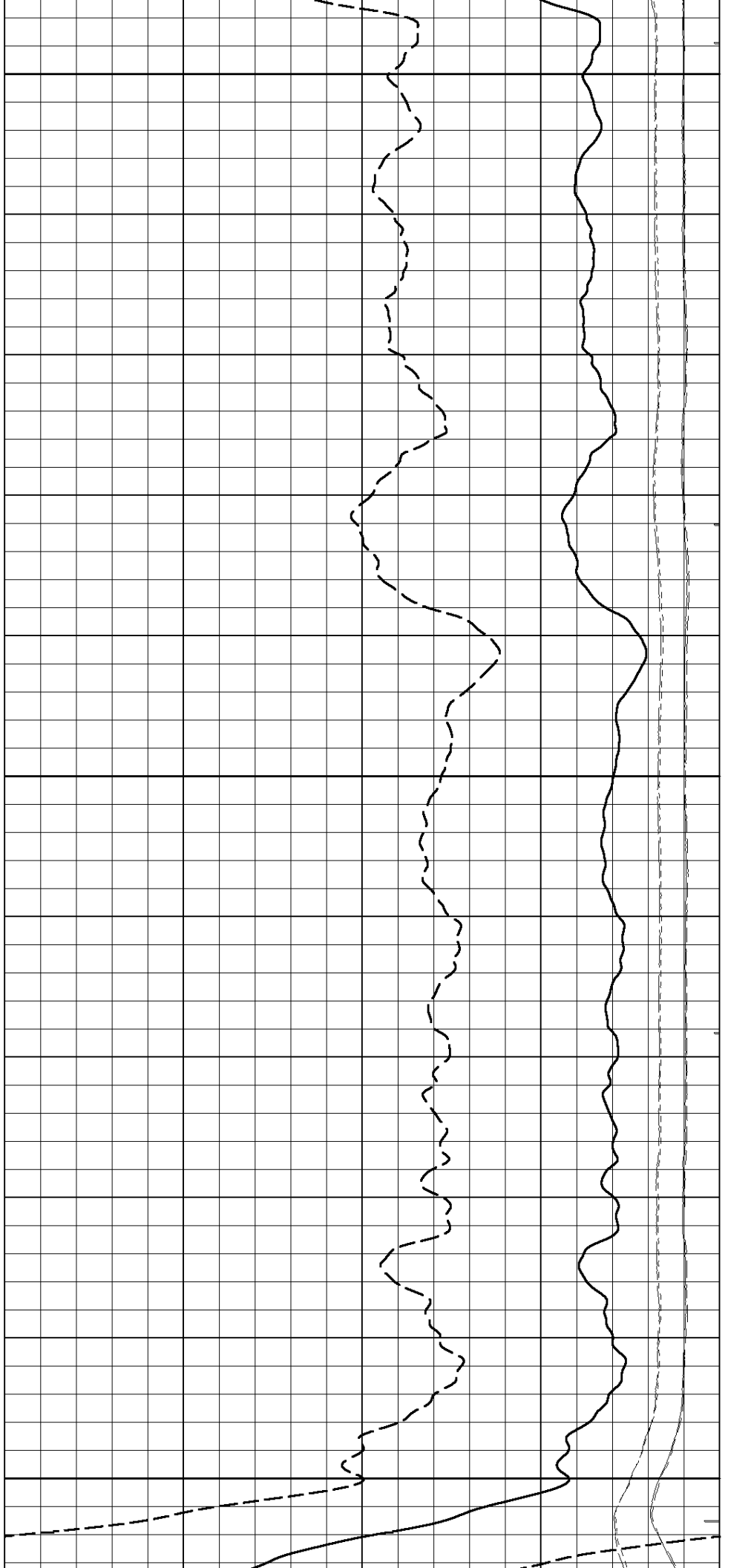


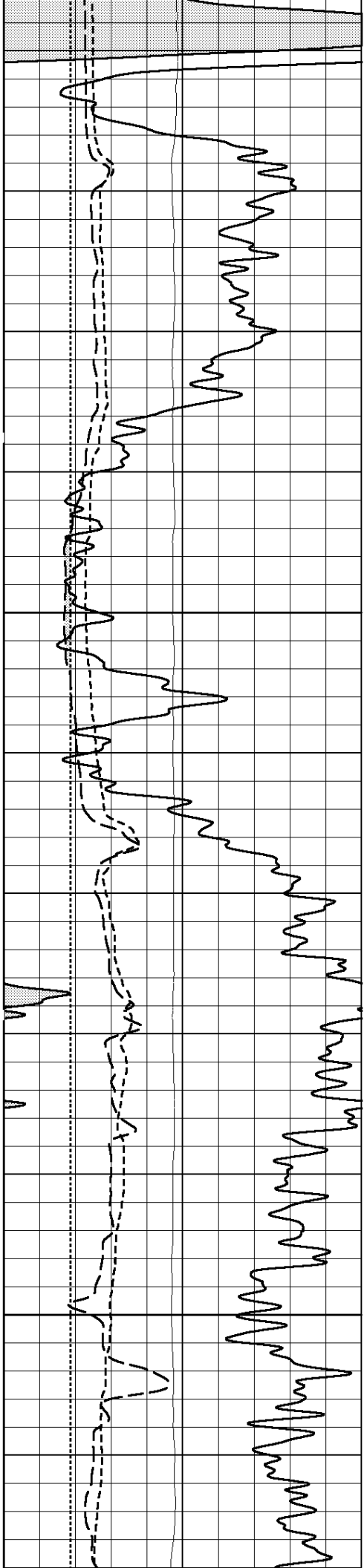


3025

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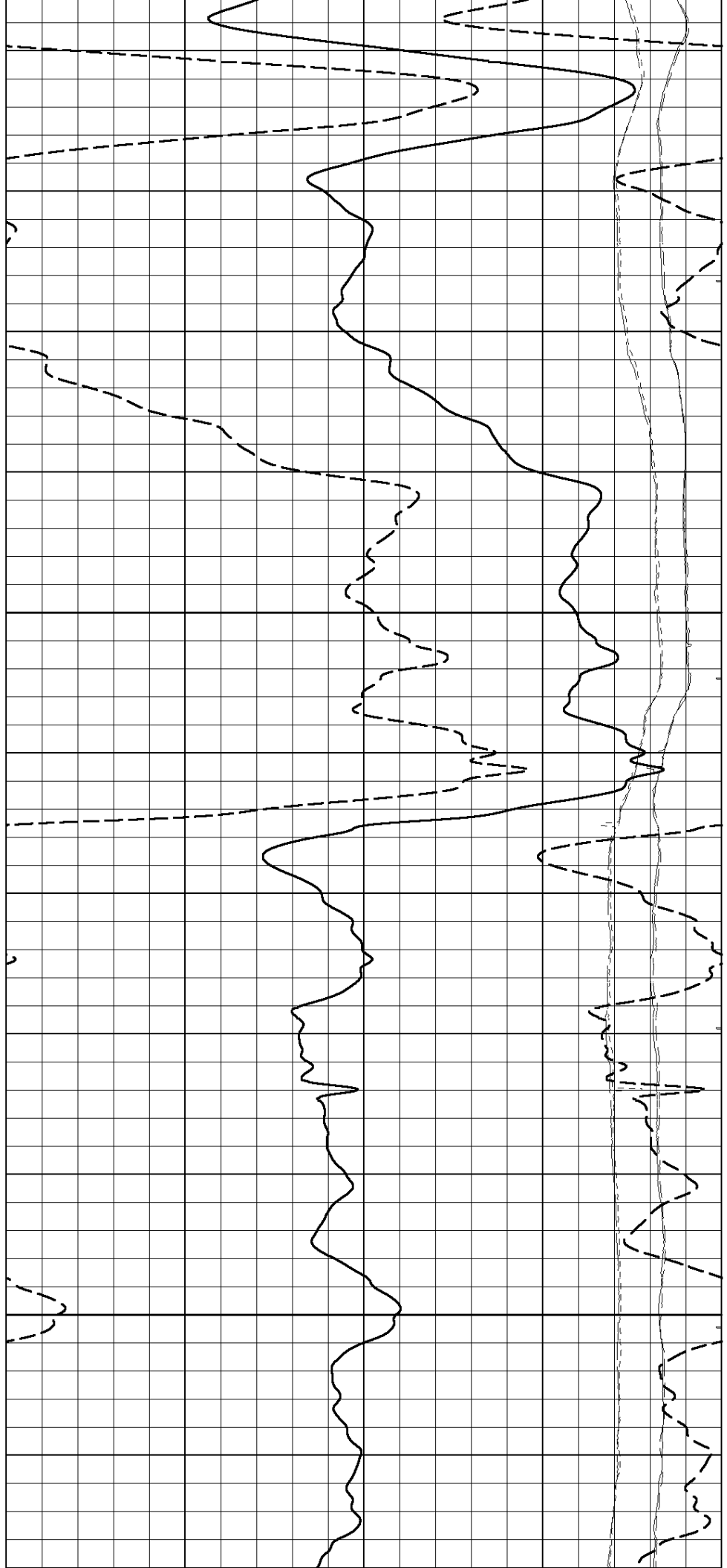
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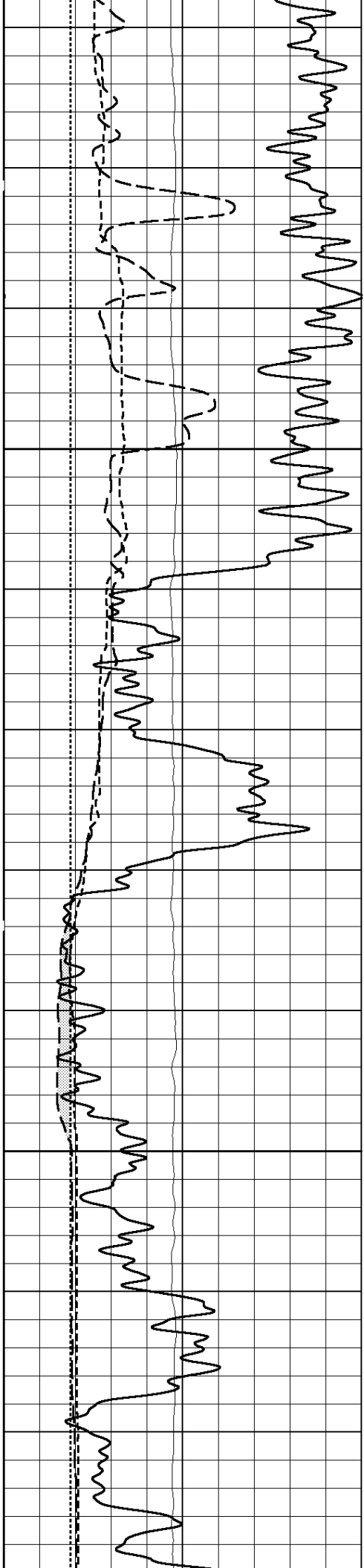




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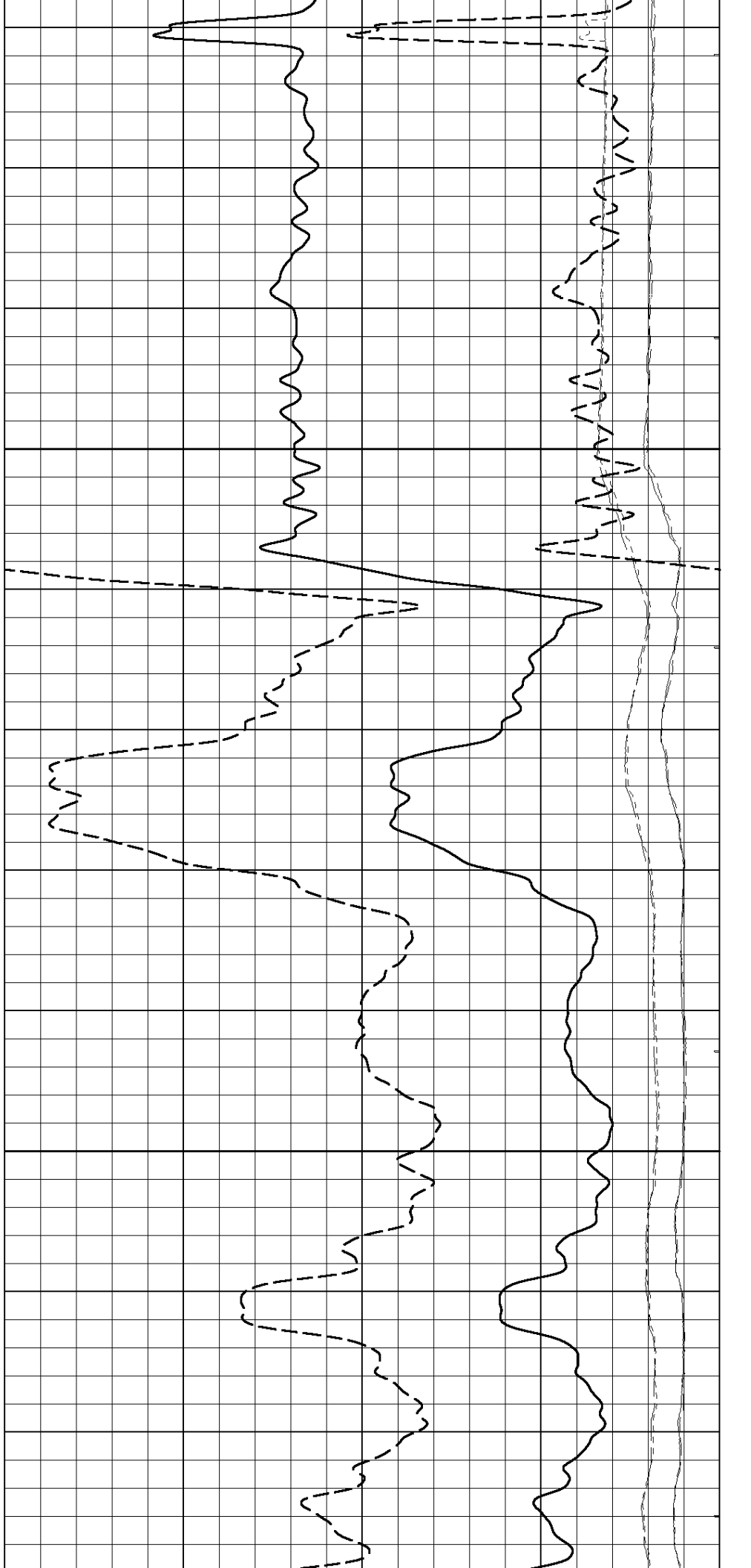
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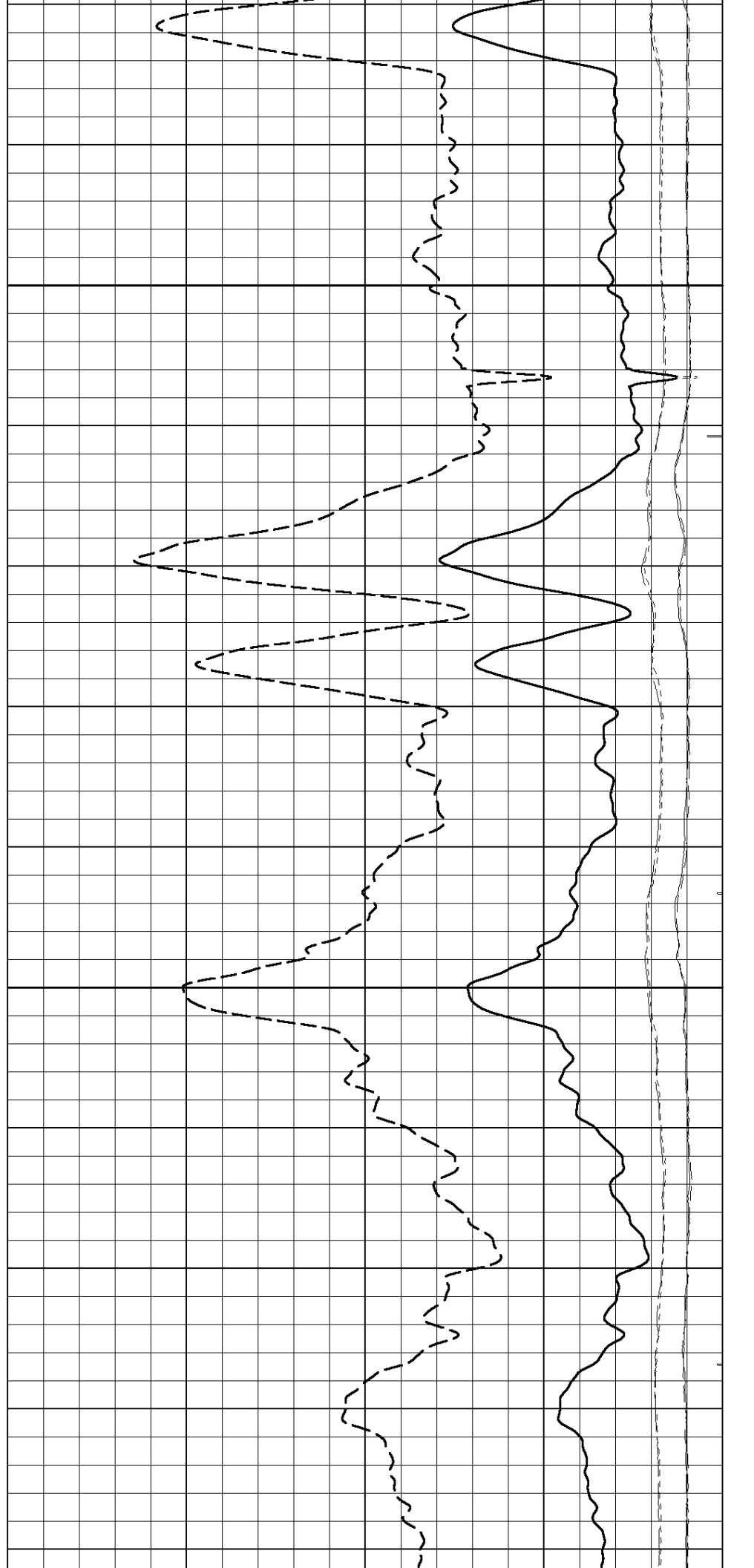
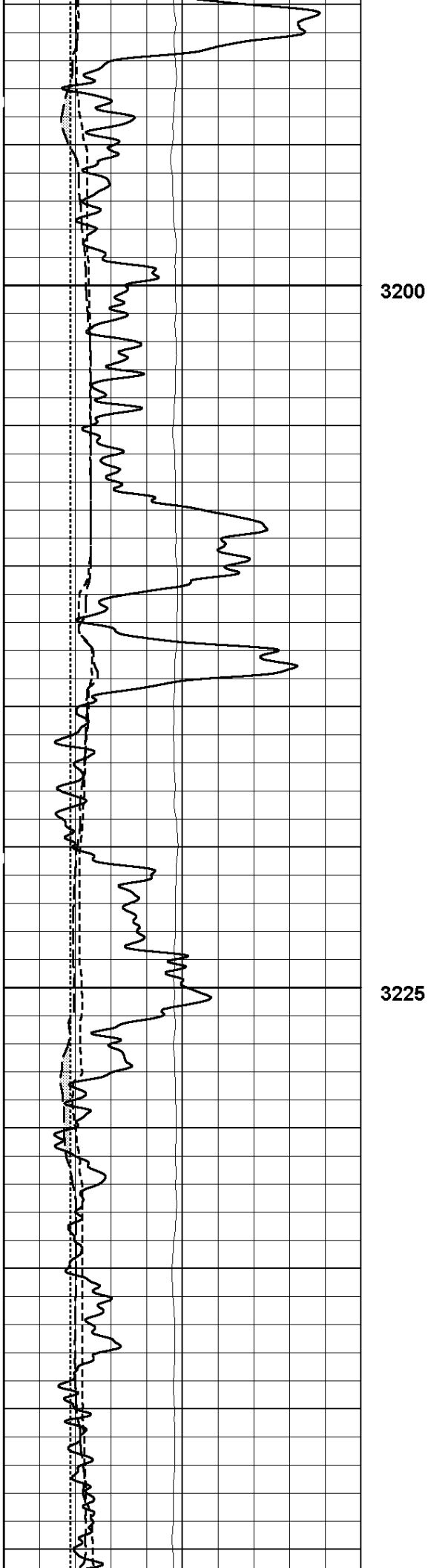


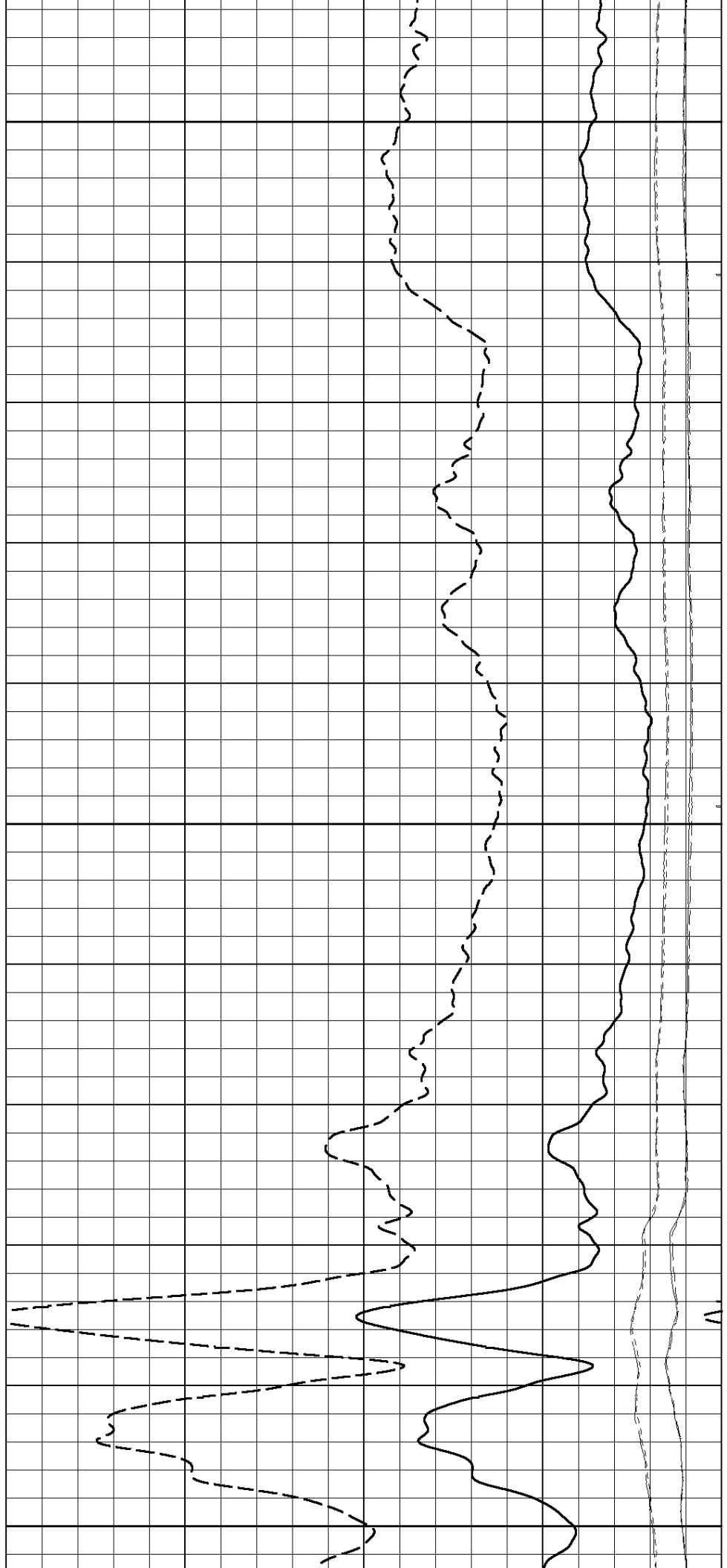
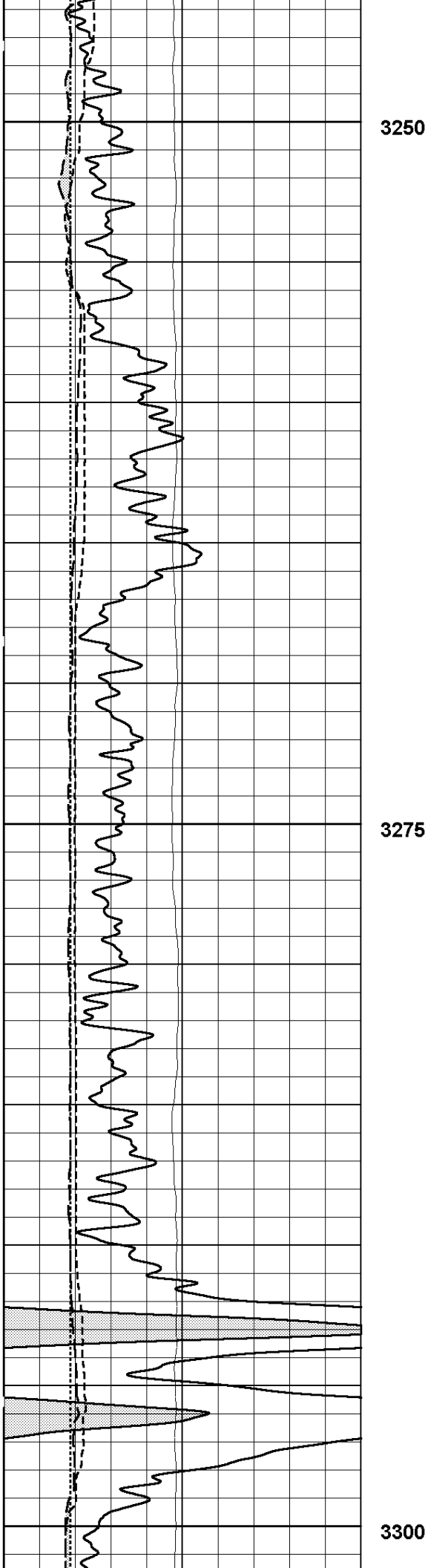


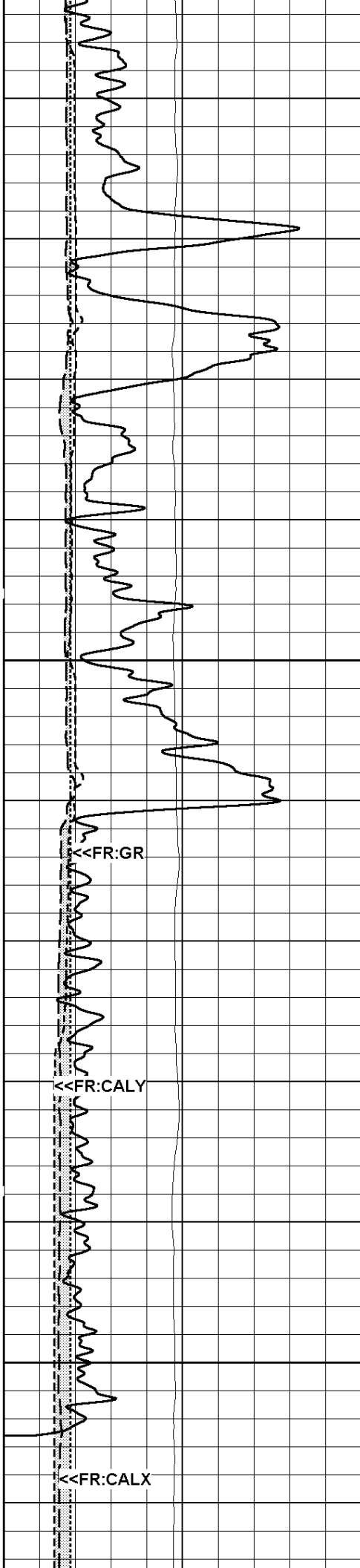
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3175



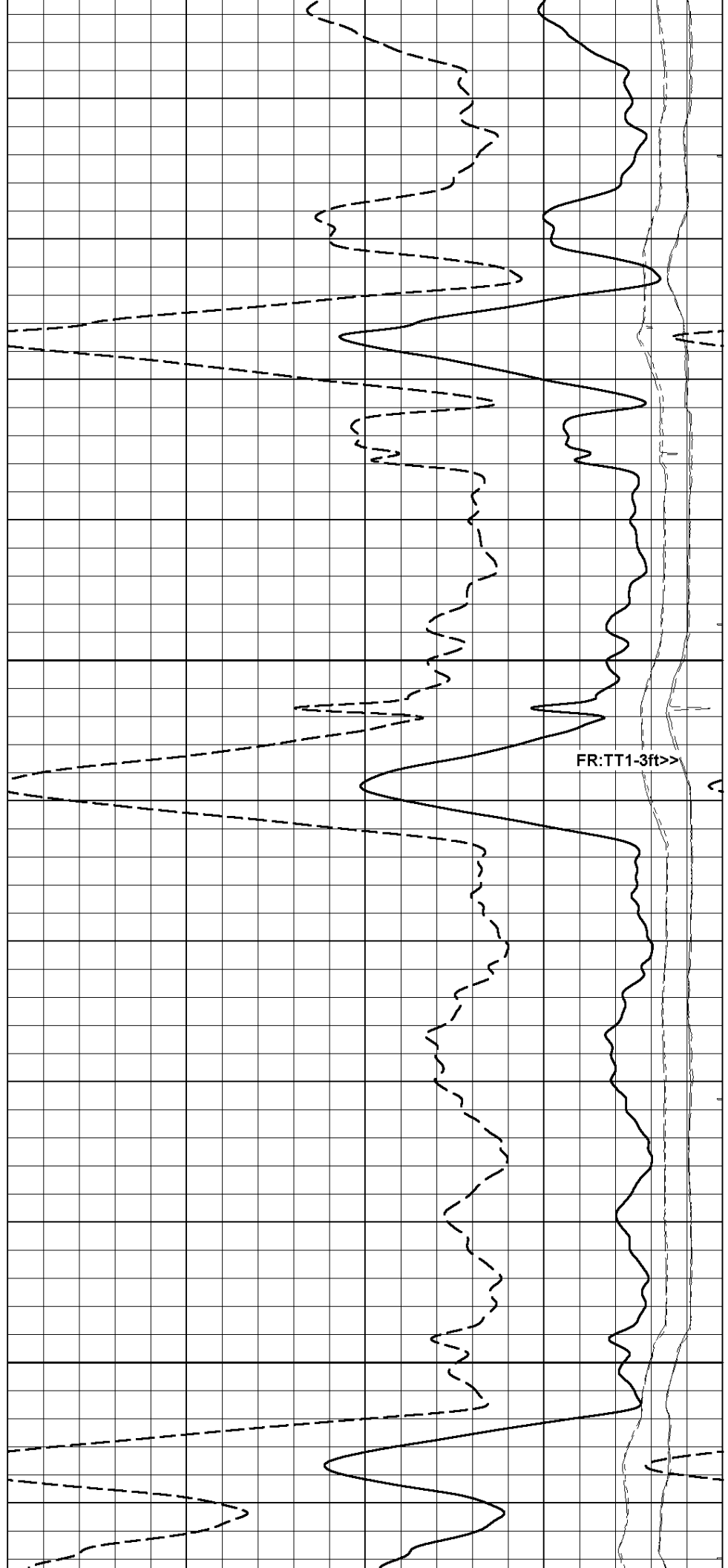


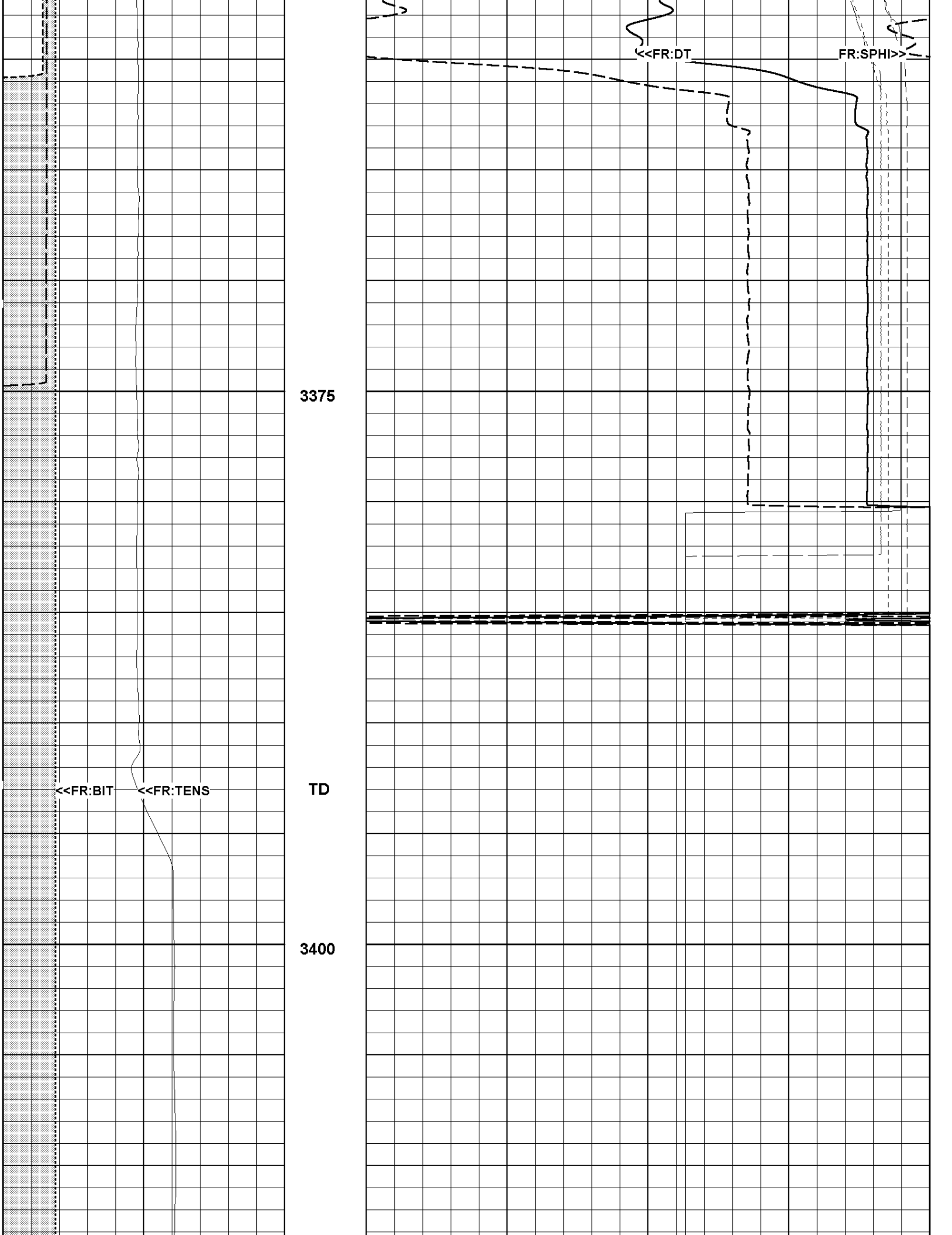




3325

3350





<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="3" style="text-align: center;">Gamma Ray (GR)</td></tr> <tr><td style="width:33%;">0.</td><td style="width:34%; text-align: center;">API</td><td style="width:33%; text-align: right;">150.</td></tr> <tr><td colspan="3" style="text-align: center;">X-Caliper (CALX)</td></tr> <tr><td>6.</td><td style="text-align: center;">in</td><td style="text-align: right;">16.</td></tr> <tr><td colspan="3" style="text-align: center;">Y-Caliper (CALY)</td></tr> <tr><td>6.</td><td style="text-align: center;">in</td><td style="text-align: right;">16.</td></tr> <tr><td colspan="3" style="text-align: center;">Tension (TENS)</td></tr> <tr><td>5000.</td><td style="text-align: center;">Lbs</td><td style="text-align: right;">0.</td></tr> <tr><td colspan="3" style="text-align: center;">Bit Size (BIT)</td></tr> <tr><td>6.</td><td style="text-align: center;">Ref in</td><td style="text-align: right;">16.</td></tr> </table>	Gamma Ray (GR)			0.	API	150.	X-Caliper (CALX)			6.	in	16.	Y-Caliper (CALY)			6.	in	16.	Tension (TENS)			5000.	Lbs	0.	Bit Size (BIT)			6.	Ref in	16.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="3" style="text-align: center;">Delta T (DT)</td></tr> <tr><td style="width:33%;">140.</td><td style="width:34%; text-align: center;">usecs/ft</td><td style="width:33%; text-align: right;">40.</td></tr> <tr><td colspan="3" style="text-align: center;">Sonic-Porosity (SPHI)</td></tr> <tr><td>30.</td><td style="text-align: center;">Percent</td><td style="text-align: right;">-10.</td></tr> </table>	Delta T (DT)			140.	usecs/ft	40.	Sonic-Porosity (SPHI)			30.	Percent	-10.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td colspan="3" style="text-align: center;">TT (TT1-3ft)</td></tr> <tr><td style="width:33%;">1500.</td><td style="width:34%; text-align: center;">usecs</td><td style="width:33%; text-align: right;">0.</td></tr> <tr><td colspan="3" style="text-align: center;">TT (TT2-3ft)</td></tr> <tr><td>1500.</td><td style="text-align: center;">usecs</td><td style="text-align: right;">0.</td></tr> <tr><td colspan="3" style="text-align: center;">TT (TT3-5ft)</td></tr> <tr><td>1500.</td><td style="text-align: center;">usecs</td><td style="text-align: right;">0.</td></tr> <tr><td colspan="3" style="text-align: center;">TT (TT4-5ft)</td></tr> <tr><td>1500.</td><td style="text-align: center;">usecs</td><td style="text-align: right;">0.</td></tr> </table>	TT (TT1-3ft)			1500.	usecs	0.	TT (TT2-3ft)			1500.	usecs	0.	TT (TT3-5ft)			1500.	usecs	0.	TT (TT4-5ft)			1500.	usecs	0.
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09/14/2015 HIGH DEFINITION PASS (20"/100Ft) Log UP - (VER 11.27) 01:22:35 => Start Time Start Depth=> 3413.80 Feet																																																																				

Gamma Ray Calibrations									
<table style="width:100%;"> <tr> <td style="width:15%;">SERIAL NUM</td> <td style="border: 1px solid black; padding: 2px;">RG3018</td> </tr> <tr> <td>BLANKET NUM</td> <td style="border: 1px solid black; padding: 2px;">1A</td> </tr> </table>						SERIAL NUM	RG3018	BLANKET NUM	1A
SERIAL NUM	RG3018								
BLANKET NUM	1A								
MASTER CALIBRATIONS									
	LowVal: 0.000 API	HighVal: 159.000 API	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME				
BASE CALS	0.000 - raw	406.454 - raw	0.467 - gain 0.000 - off	M/D/Y> 8/20/2015	H:M:S> 8:48:30				

X CALIPER									
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SERIAL NUM	RL4103								
MASTER CALIBRATIONS									
	LowVal: 6.000 mm	HighVal: 10.000 mm	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME				
BASE CALS	3497.306 - raw	5450.914 - raw	0.002 - gain -1.161 - off	M/D/Y> 8/12/2015	H:M:S> 17:8:59				

Y CALIPER CALIBRATIONS									
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SERIAL NUM	RN2004								
MASTER CALIBRATIONS									
	LowVal: 6.000 IN	HighVal: 10.000 IN	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME				
BASE CALS	1038.392 - raw	1750.977 - raw	0.006 - gain 0.171 - off	M/D/Y> 8/20/2015	H:M:S> 8:24:20				

Company	CMX, INC.
Well	SUSANK2 #1-29
Field	TRAPP

County

BARTON

State

KANSAS

RECON

FULL WAVEFORM

SONIC

GAMMA RAY

X-Y CALIPER