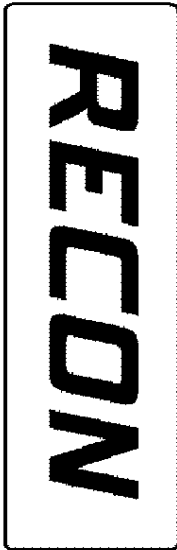


Company **CMX INCORPORATED**
Well **WOELK #1-18**
Field **GORHAM**
County **RUSSELL**
State **KANSAS**



MICROLOG
GAMMA RAY
CALIPER

SEC	TWP	RGE	OTHER SERVICES: LDT XY CALIPER MICROLOG BHC
18	13S	14W	
Location: 1780' FNL & 790' FEL		SEINW/SEINE	
SURF. SAME	API#	015-167-24029-00-00	
Permanent Datum	Ground Level	Elev	ELEVATIONS K.B. 1687
Log Measured From	Kelly Bushing		G.L. 1674
Drilling Measured From	Kelly Bushing		D.F. 1685

Date	11-APR-2015	
Run No.	ONE	
TD Driller	3120	ft.
TD RECON	3122	ft.
Bot Logged Interval	3121	ft.
Top Logged Interval	250	ft.
Casing Depth Driller	8 5/8	in.
Casing Depth RECON	8 5/8	in.
Bit Size	7 7/8	in.
Drilling Fluid Type	WBM	
Density	8.7	
Viscosity		
Fluid Loss	10	
PH		
Source Of Sample	Flowline	
RM @ Measured Temp	1.57	Ohmm
RMF @ Measured Temp	1.18	Ohmm
RMC @ Measured Temp	1.96	Ohmm
RM @ MRT	1.23	Ohmm
Max Recorded Temp	98	DegF
Time Drilling Stopped	11-APR-2015	14:40
Time Circulation Stopped	11-APR-2015	15:35
Time Logger On Bottom	12-APR-2015	01:40
Unit Num	S406	OKLAHOMA CITY, OK
Recorded By	K.HELDERMON	
Witnessed By	K.LEBLANC	D.MCGINNISS

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

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

RIG INFORMATION

Drill Contr/Rig# BLUE LINE #3

GENERAL REMARKS SECTION

FIRST RUN IN THE HOLE
CNL AND LDT LOGGED IN A LIMESTONE MATRIX
TOP MARK - 239, BOTTOM MARK - 3041.4
CNL/LDT LOGGED MATRIX: 2.71 g/cc.

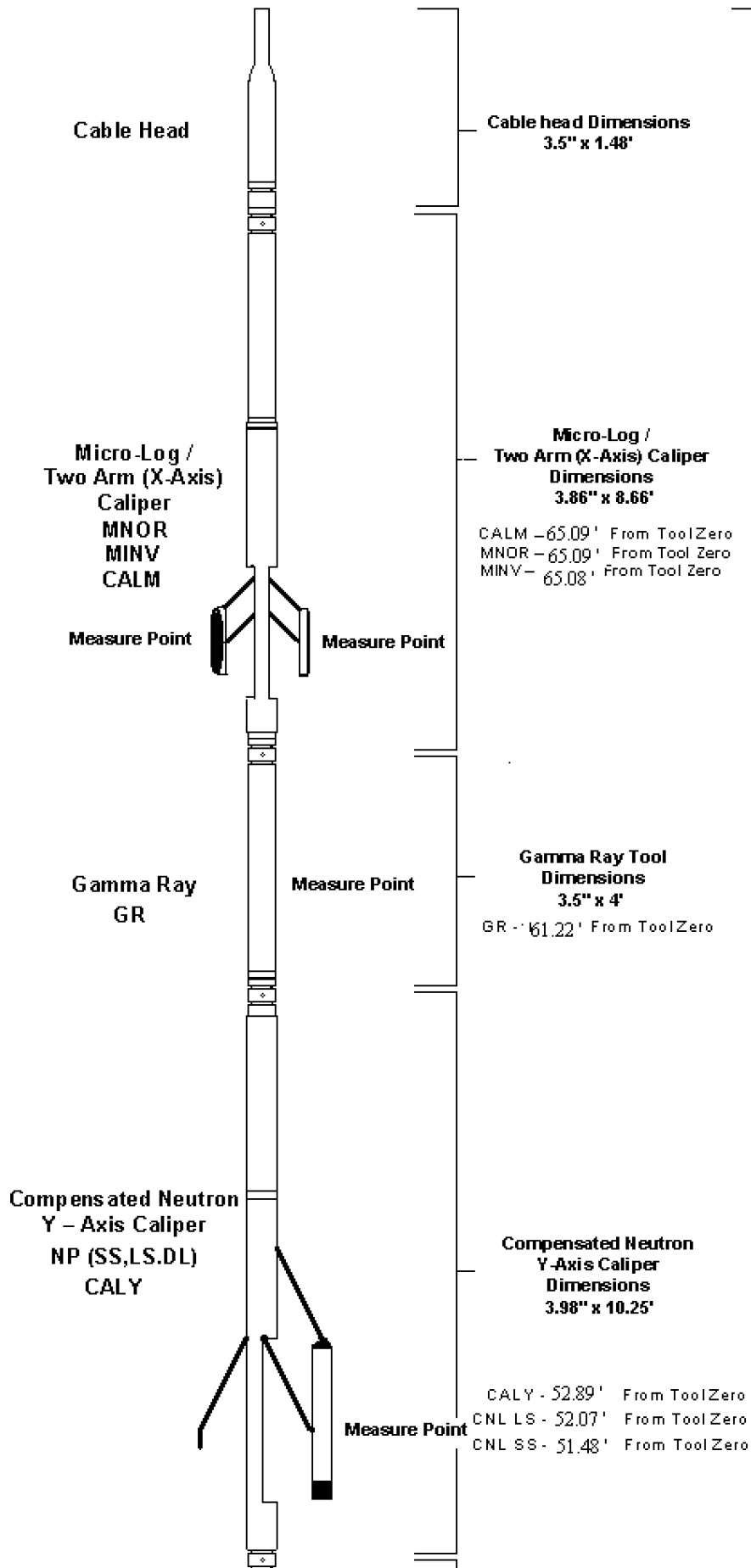
CHLORIDES: 5000
LCM: N/A

AHV CALCULATED ON 5.5" PROD. CASING

THANK YOU FOR USING RECON PETROTECHNOLOGIES LTD.

CREW: J.ROSE, J.THOMAS

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



Digital Telemetry

**Digital Telemetry Section
Dimensions
3.5" x 3.15'**

**Tool String
Length Total
73.64 '**

**Compensated
Litho-Density (Pe)
X - Axis Caliper**

DP(SS,LS,DL)
RHOB
DRHO
PE
CALX
Measure Point

**Compensated Litho-Density
X-Axis Caliper
Dimensions
3.98" x 9.35'**

CALX - 38.94' From ToolZero
LDT w1 -
LDT w2 - -38.68' From ToolZero
LDT w3 -
LDT w4 -
LDT SS - 38.19' From ToolZero

**Borehole
Compensated
Sonic**

SP(SS,LS,DL)
DT
TTI
VDL
TT
Measure Point
Tool First Reading
Point

T-1
Transmitter 1

**Borehole Compensated Sonic
Tool Dimensions
3.5" x 15.75'**

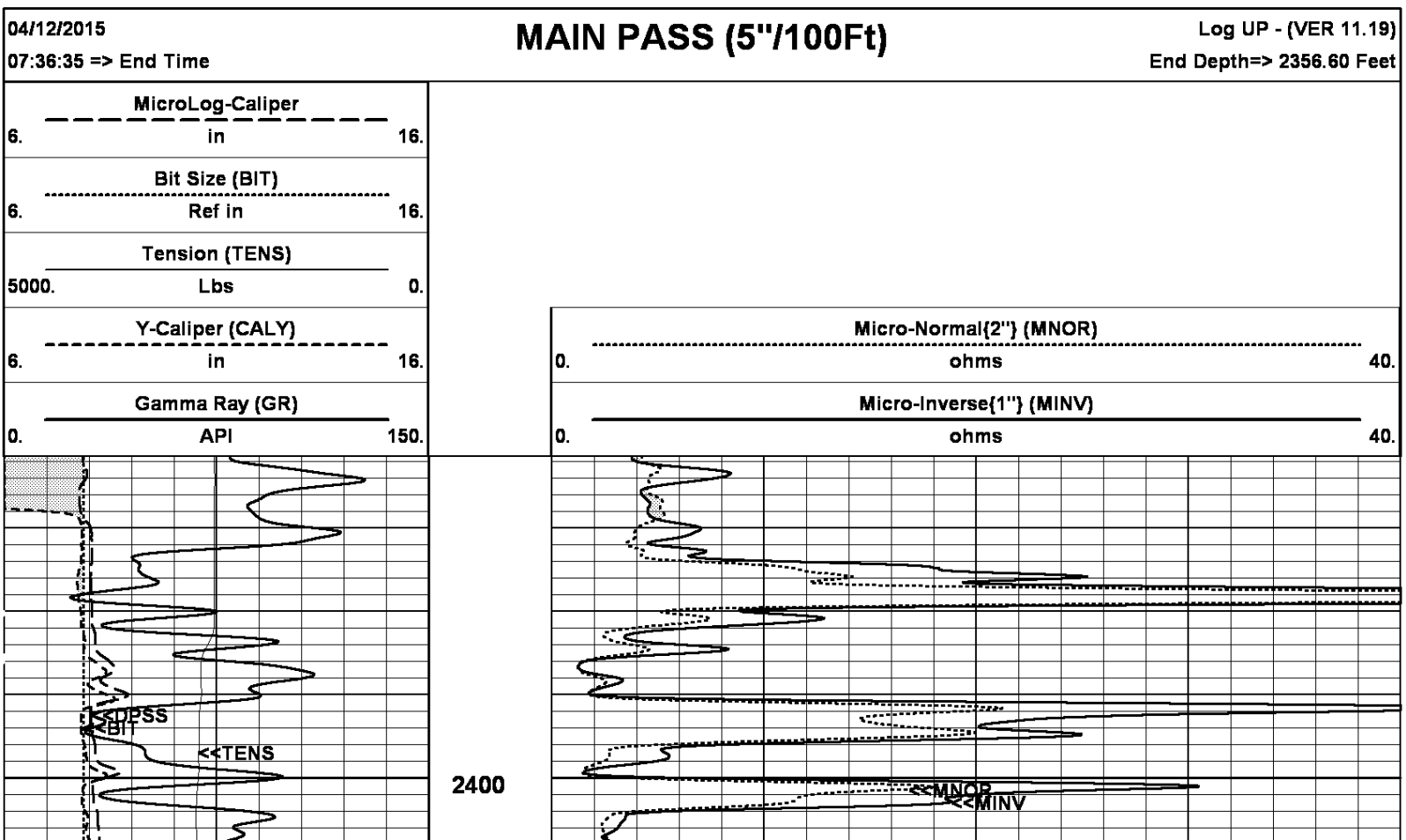
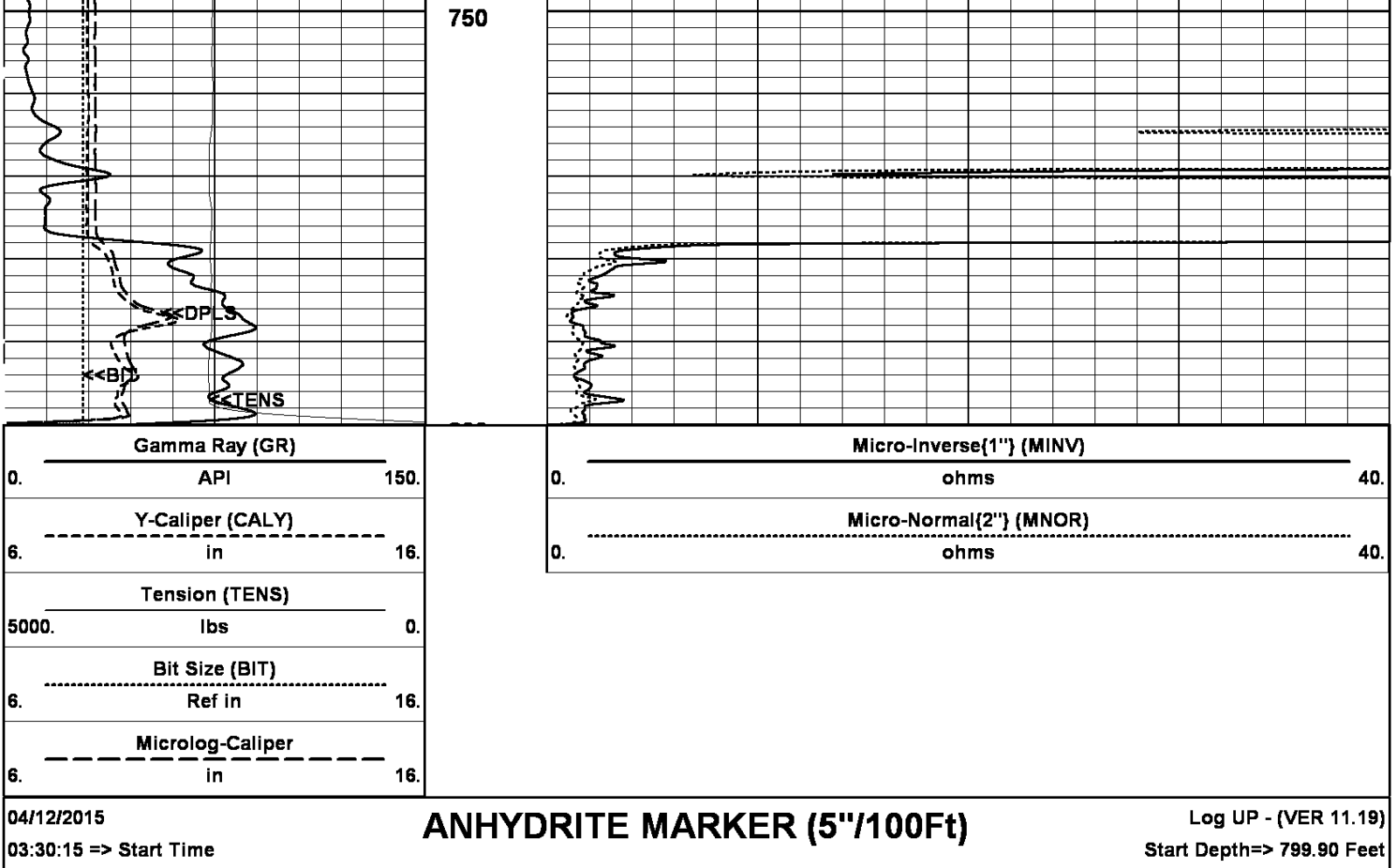
T1R1 - 33.35' From ToolZero
T1R2 - 31.35' From ToolZero

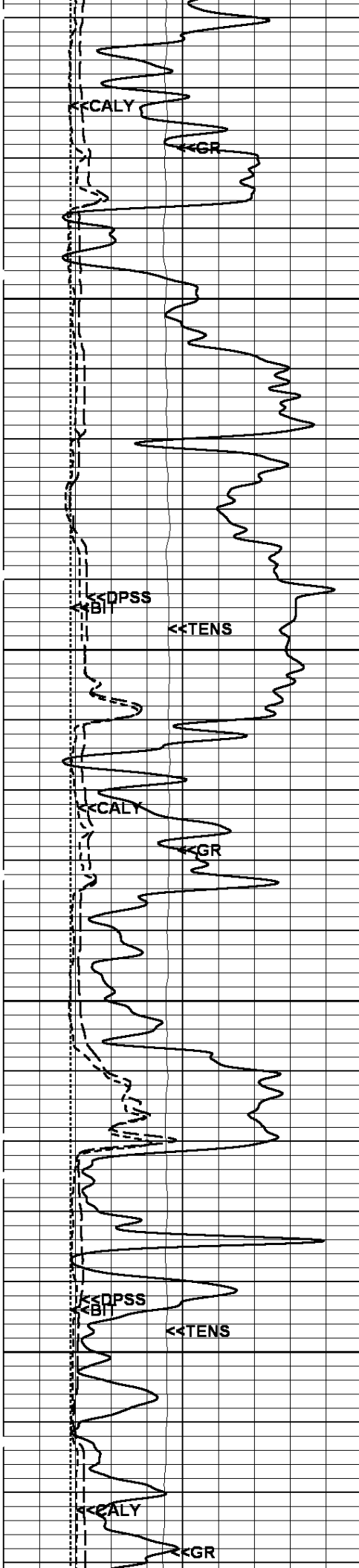
R-1
Receiver 1

R-2
Receiver 2

T2R1 - 28.54' From ToolZero
T2R2 - 28.37' From ToolZero

T-2
Transmitter 2



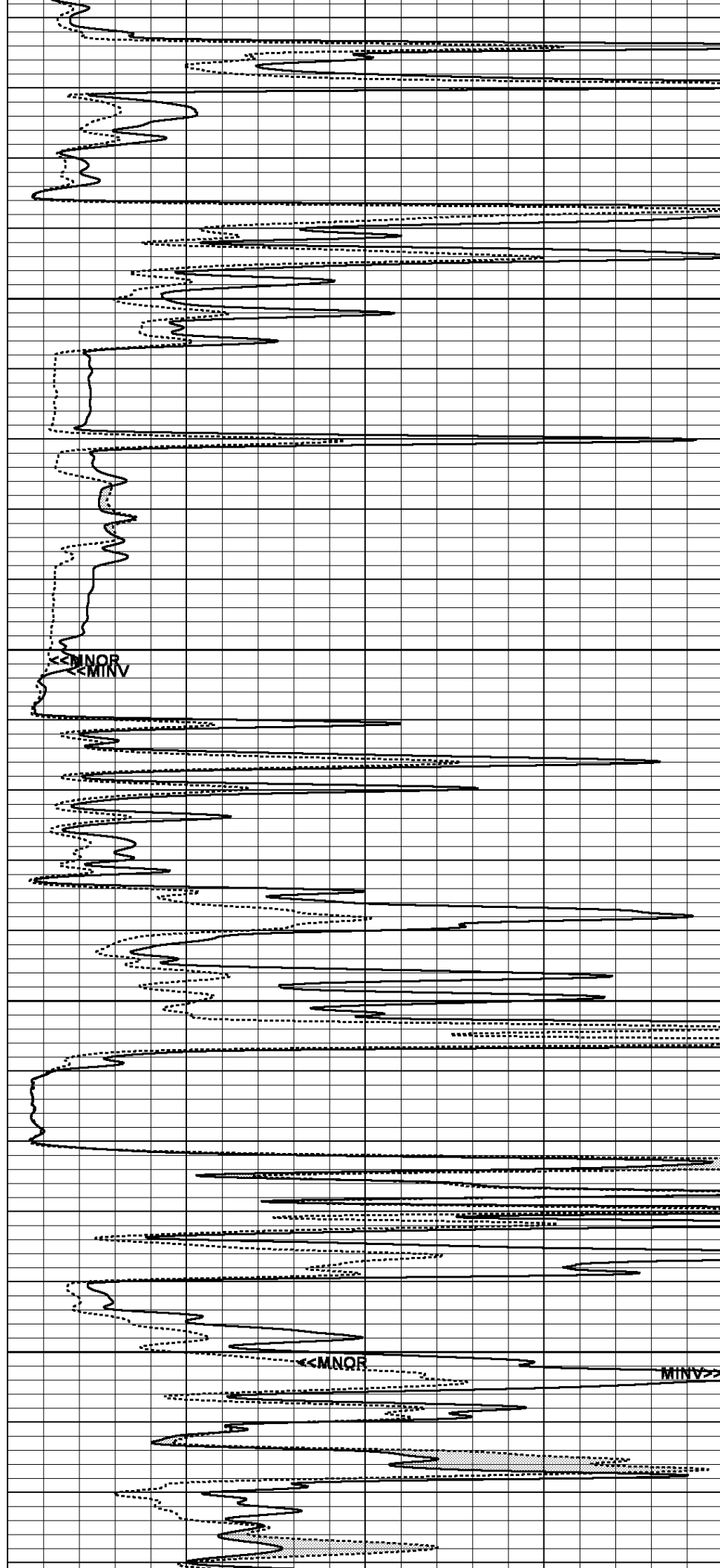


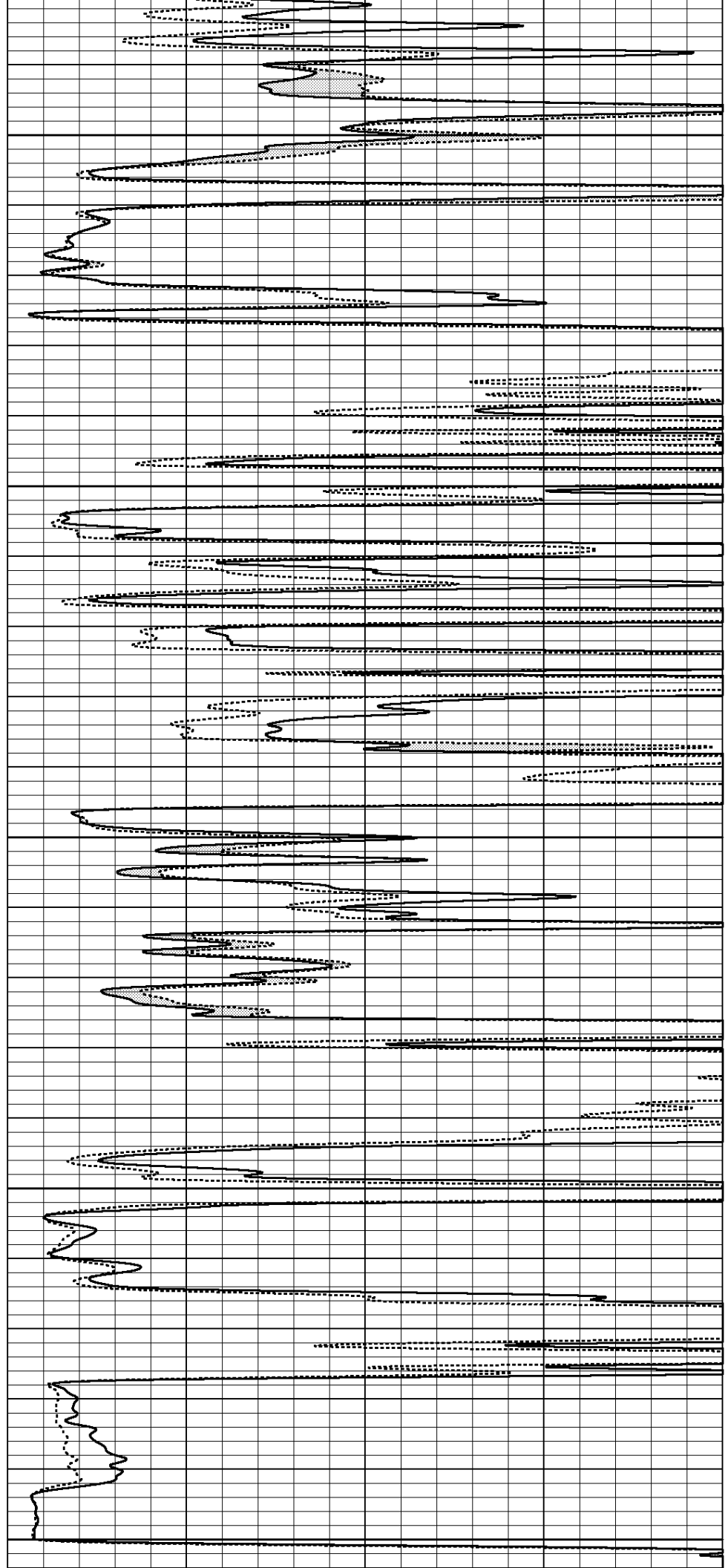
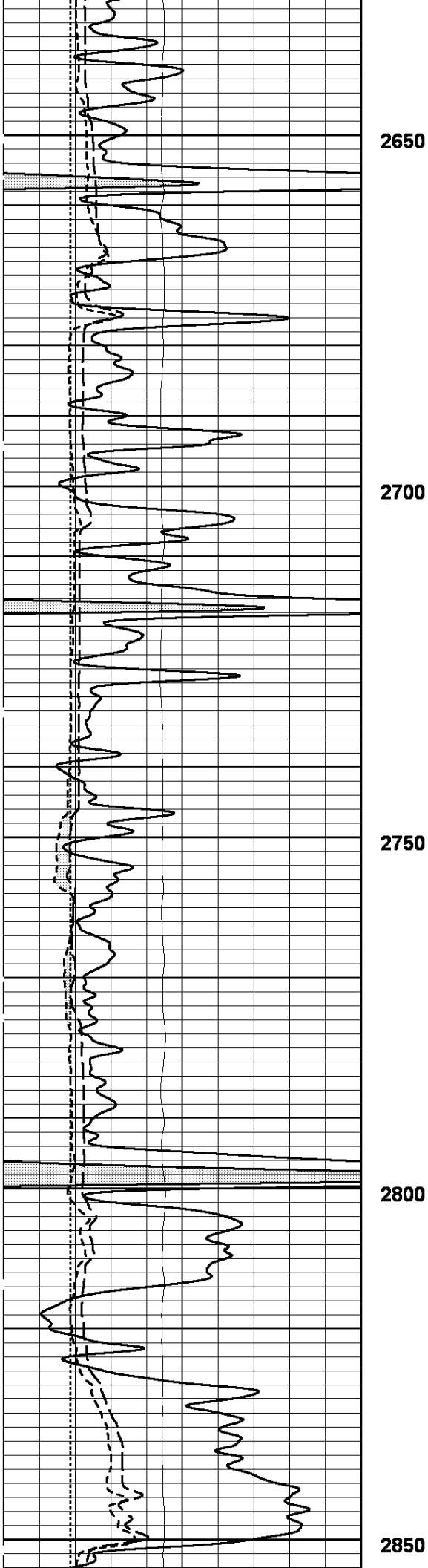
2450

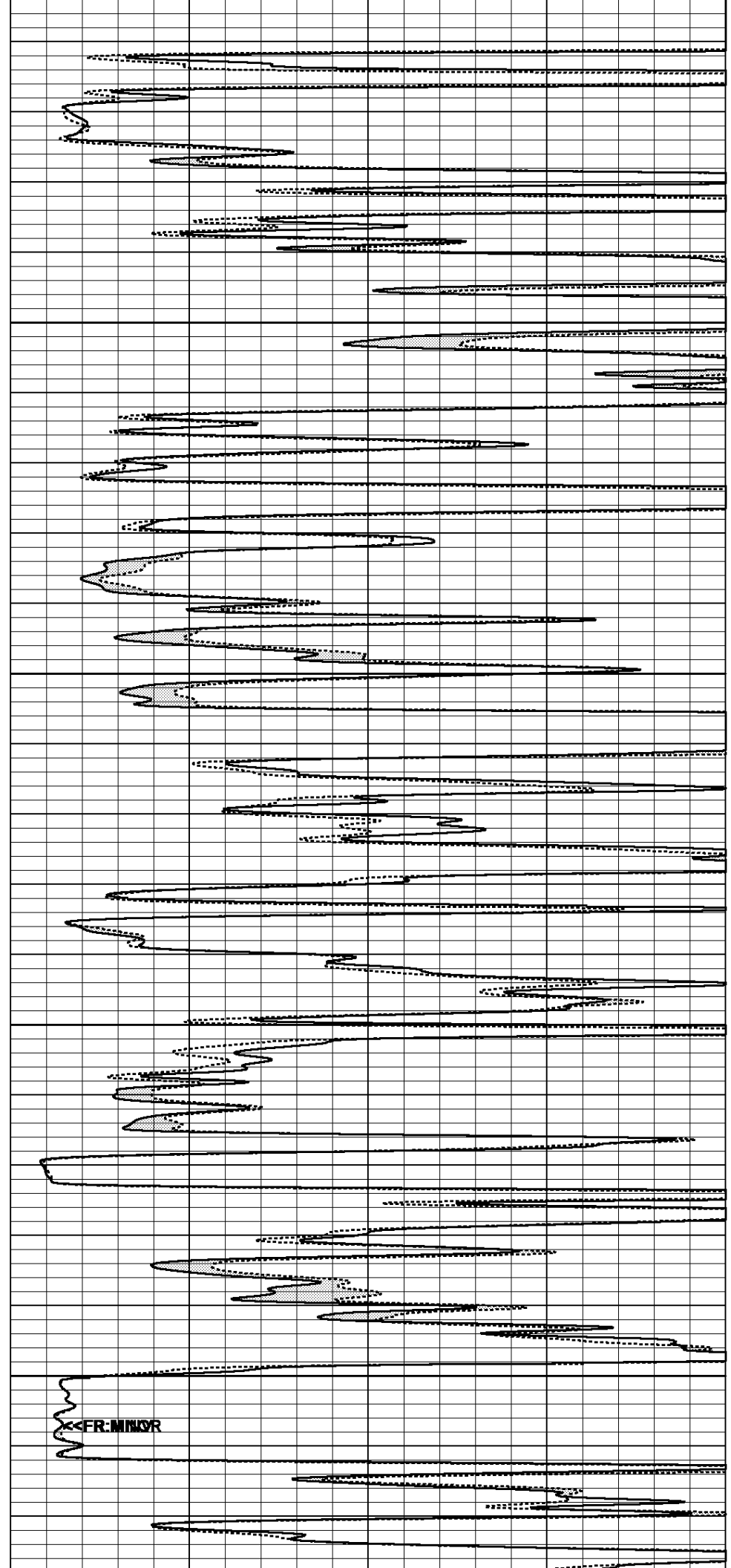
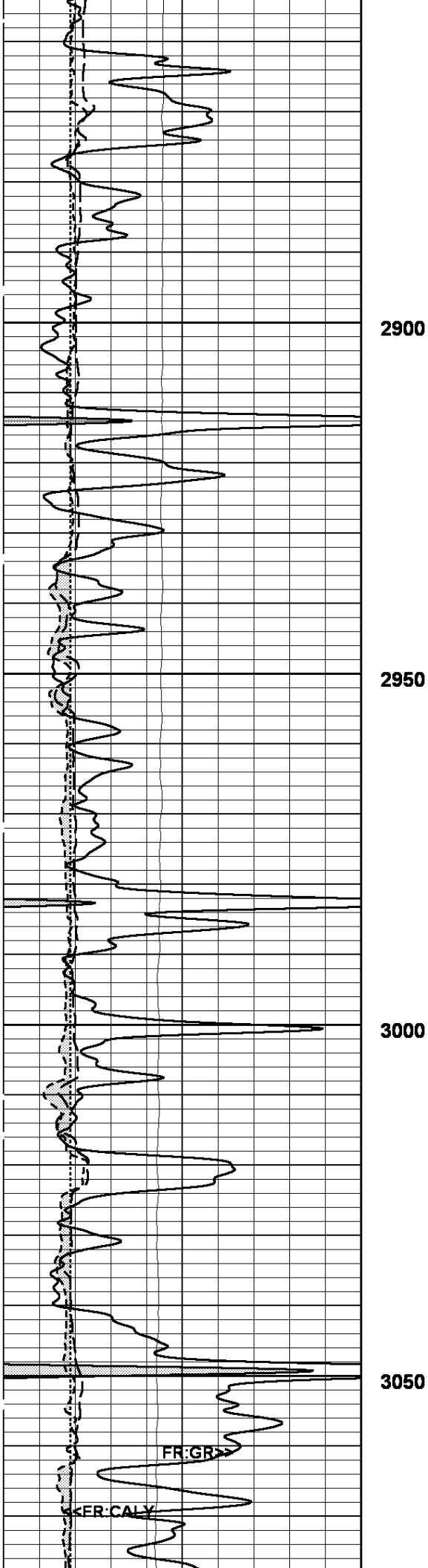
2500

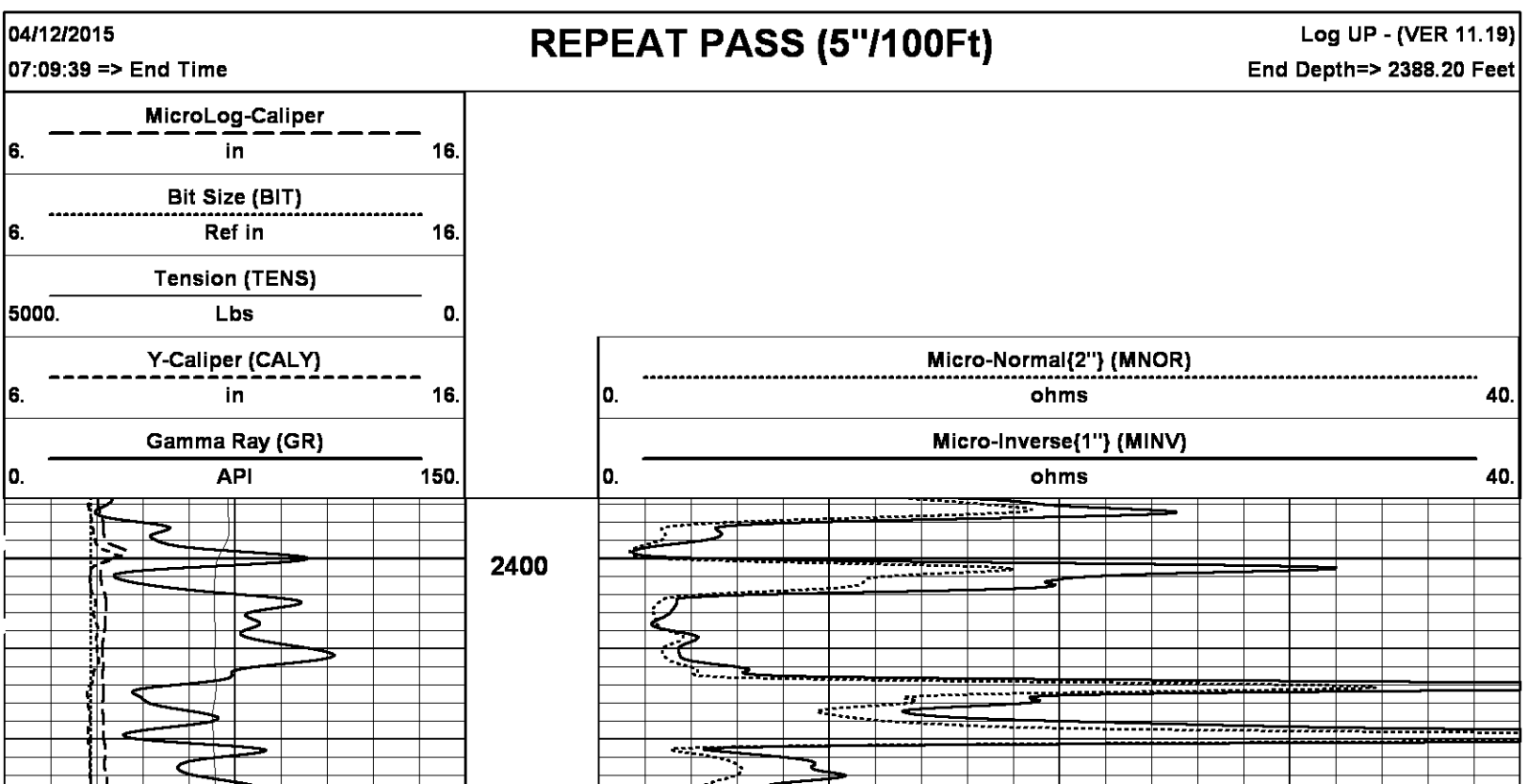
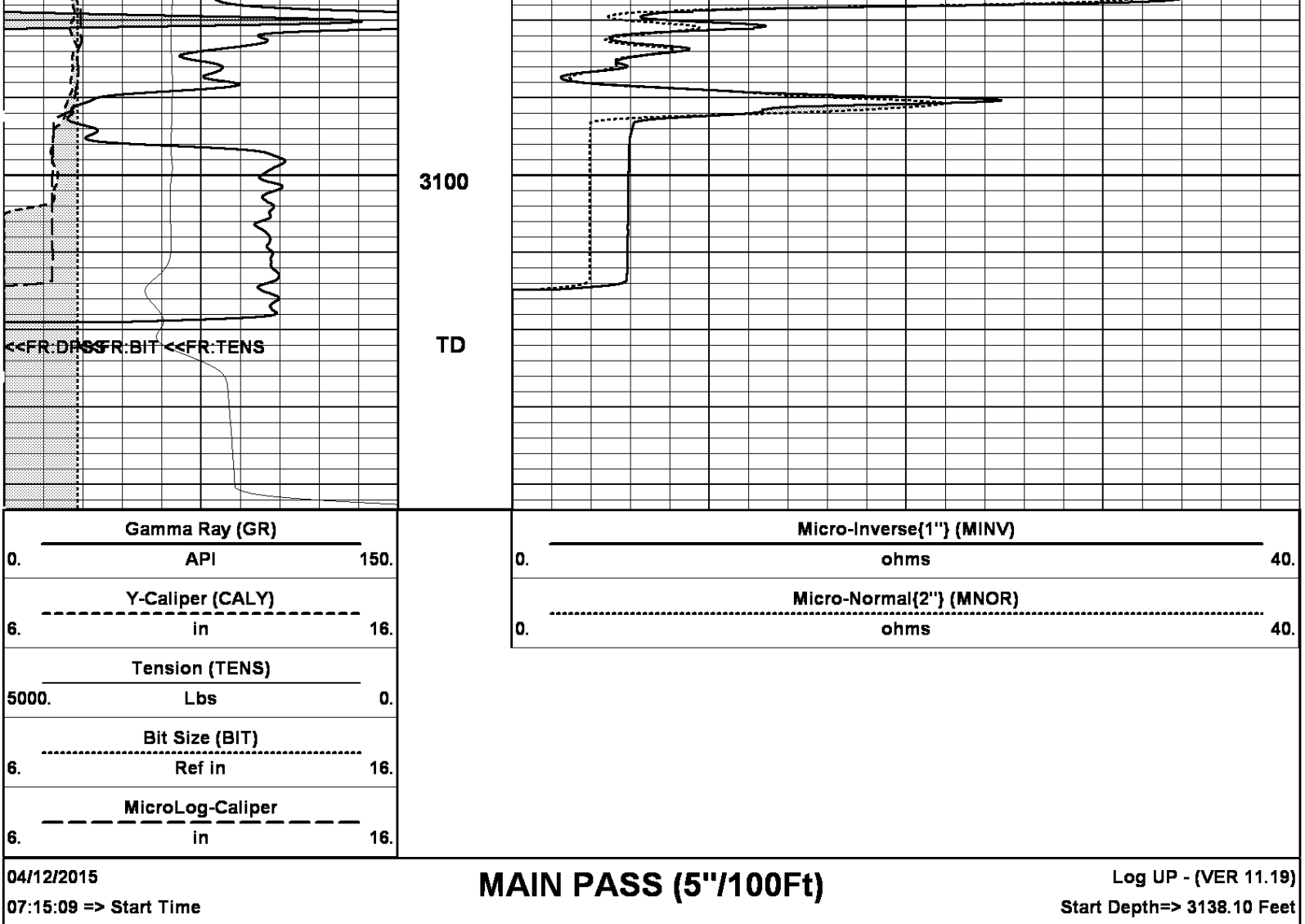
2550

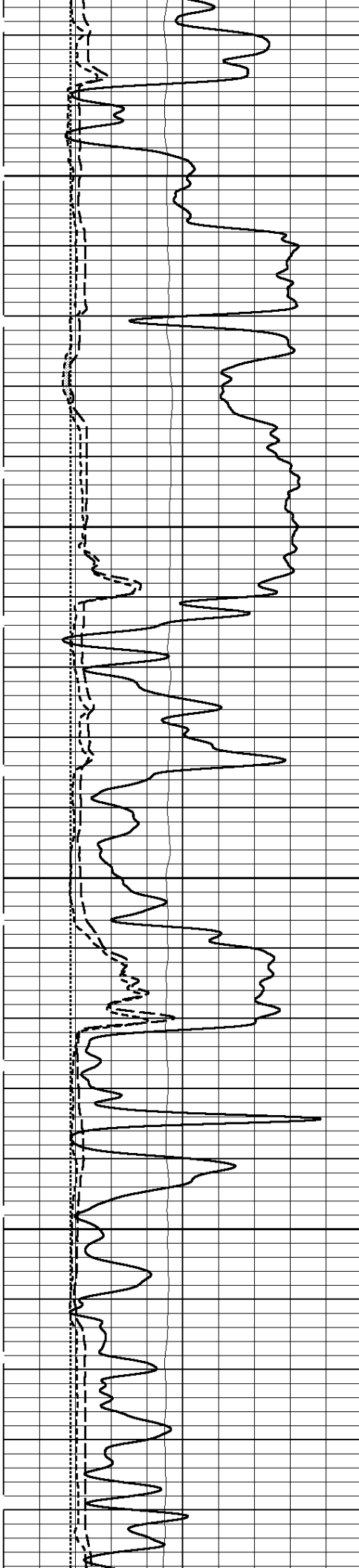
2600









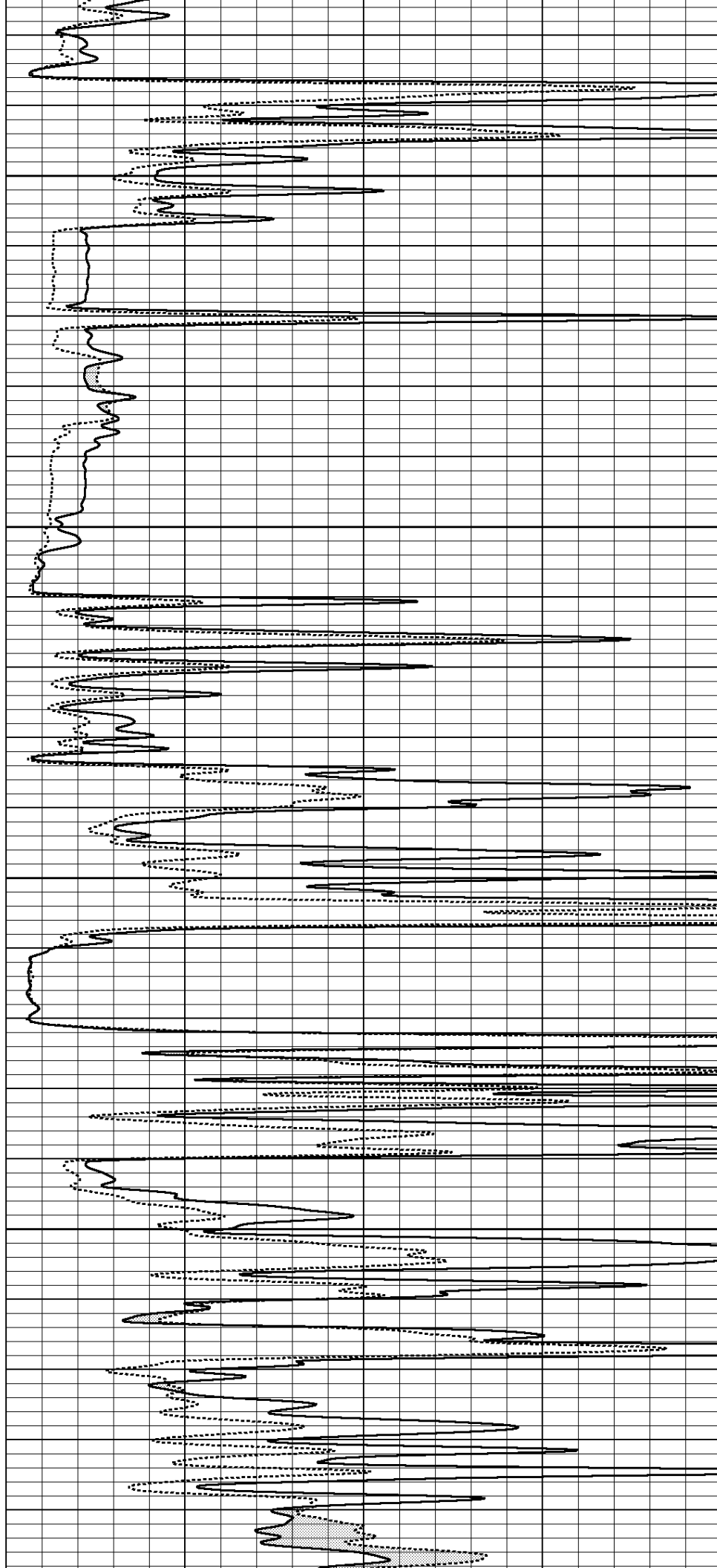


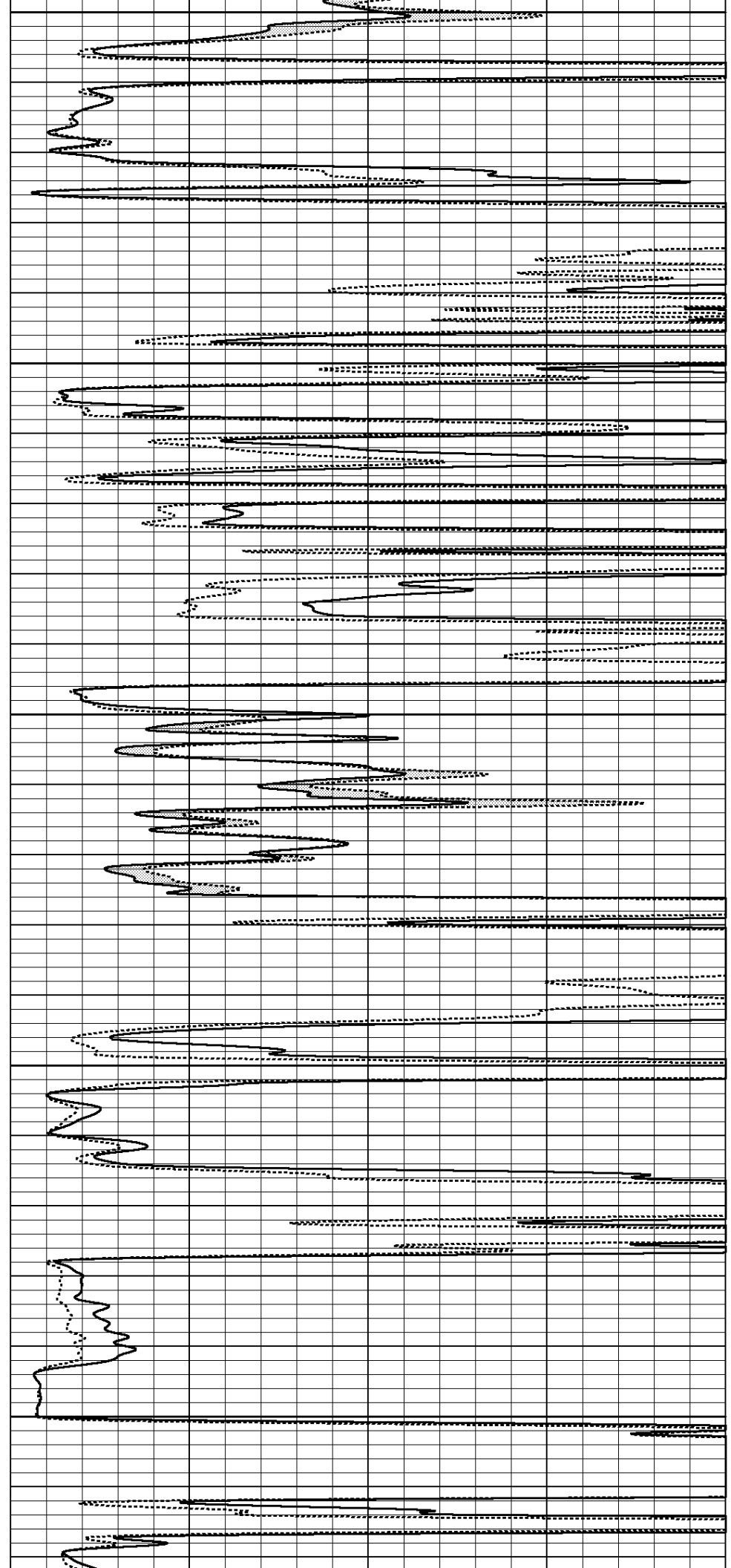
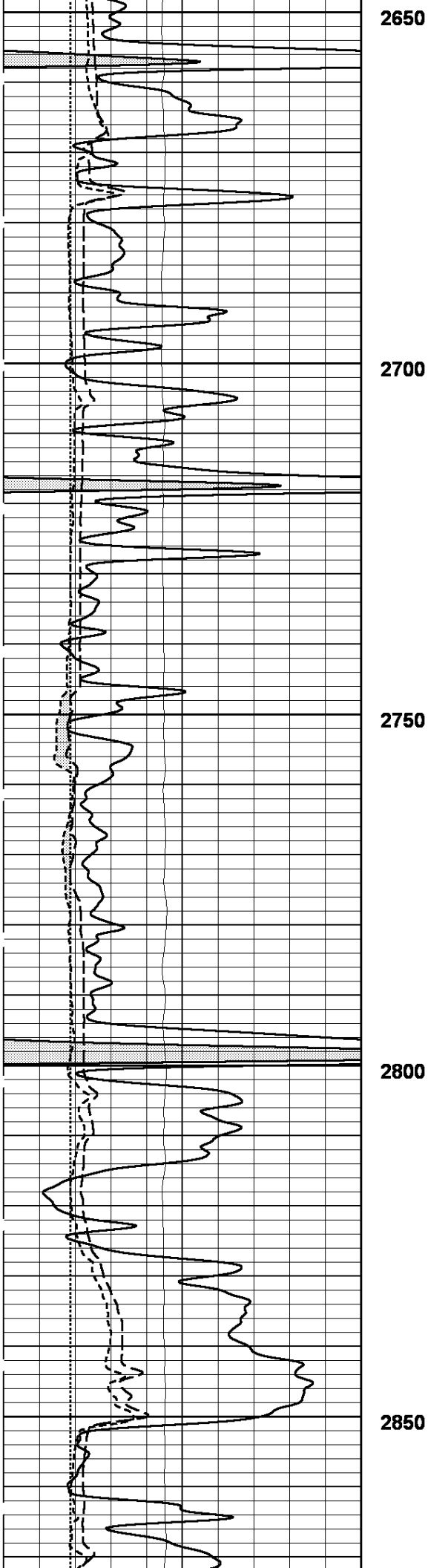
2450

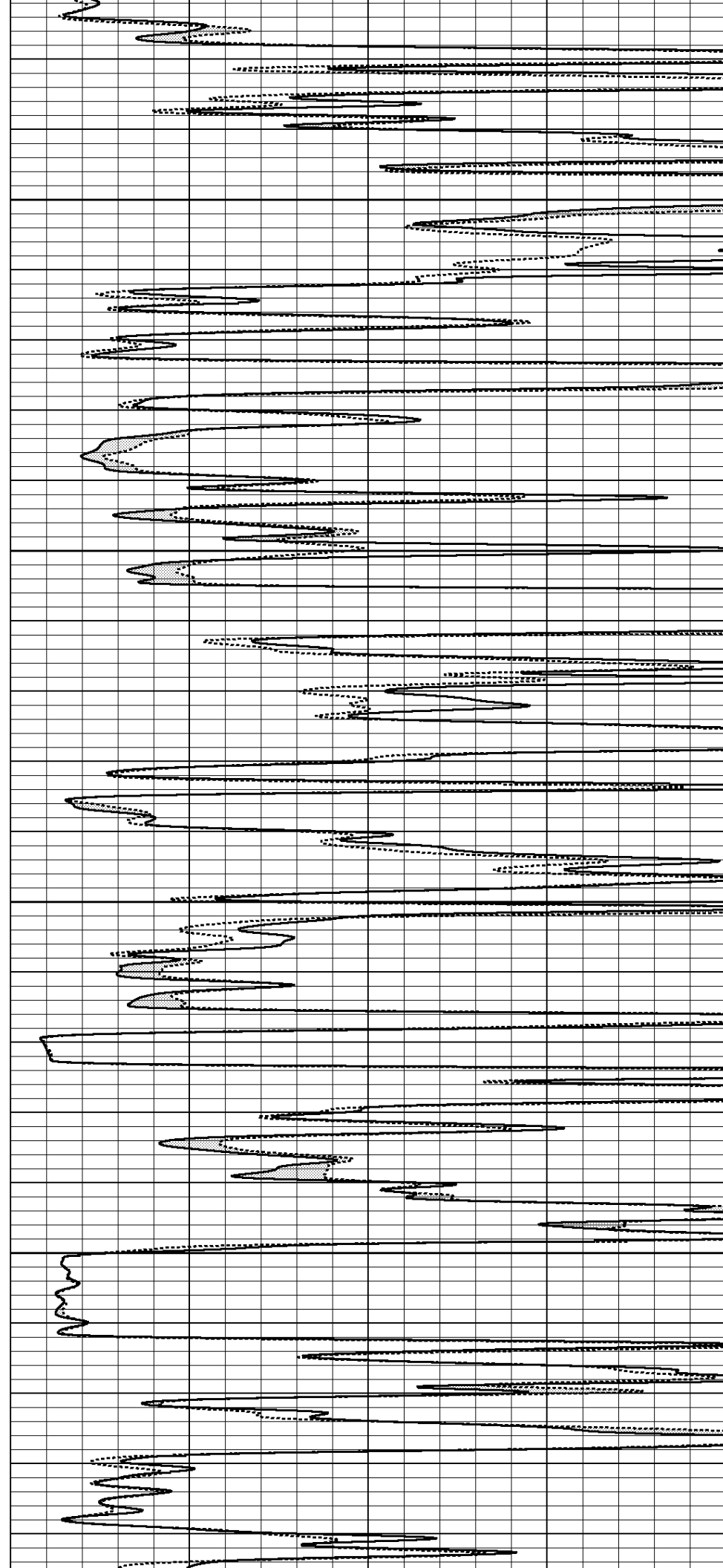
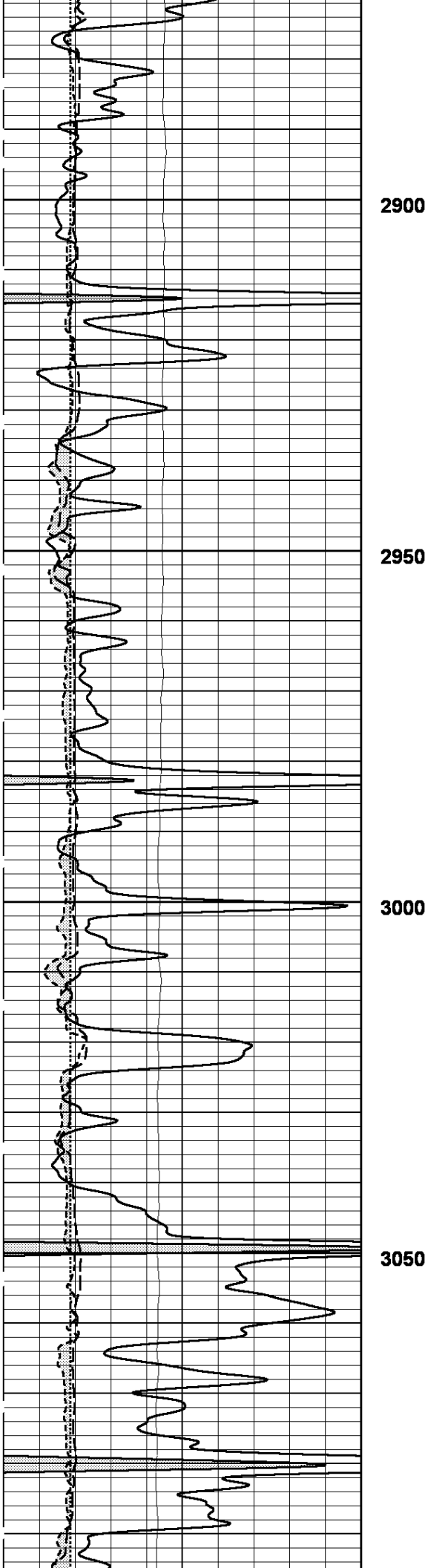
2500

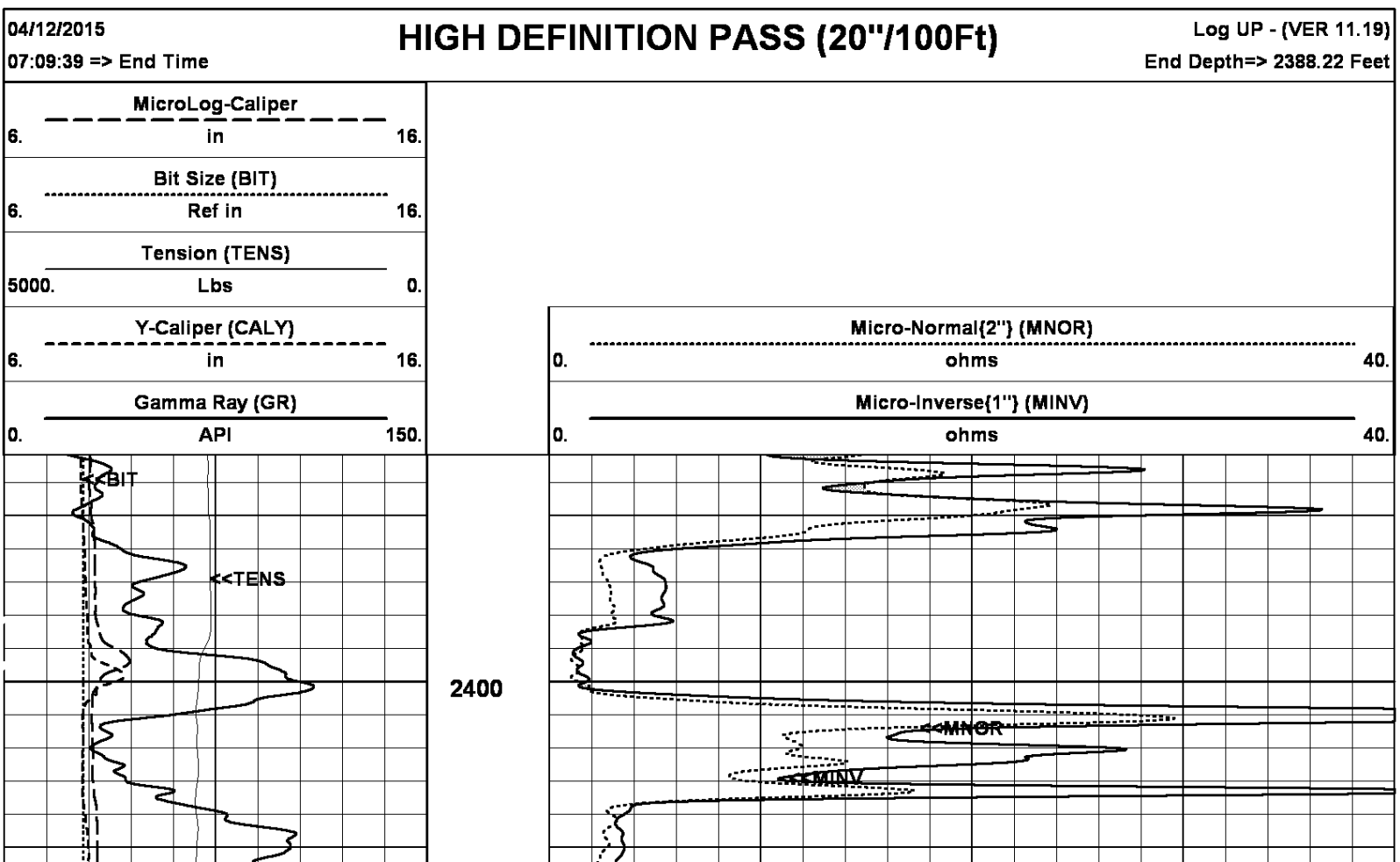
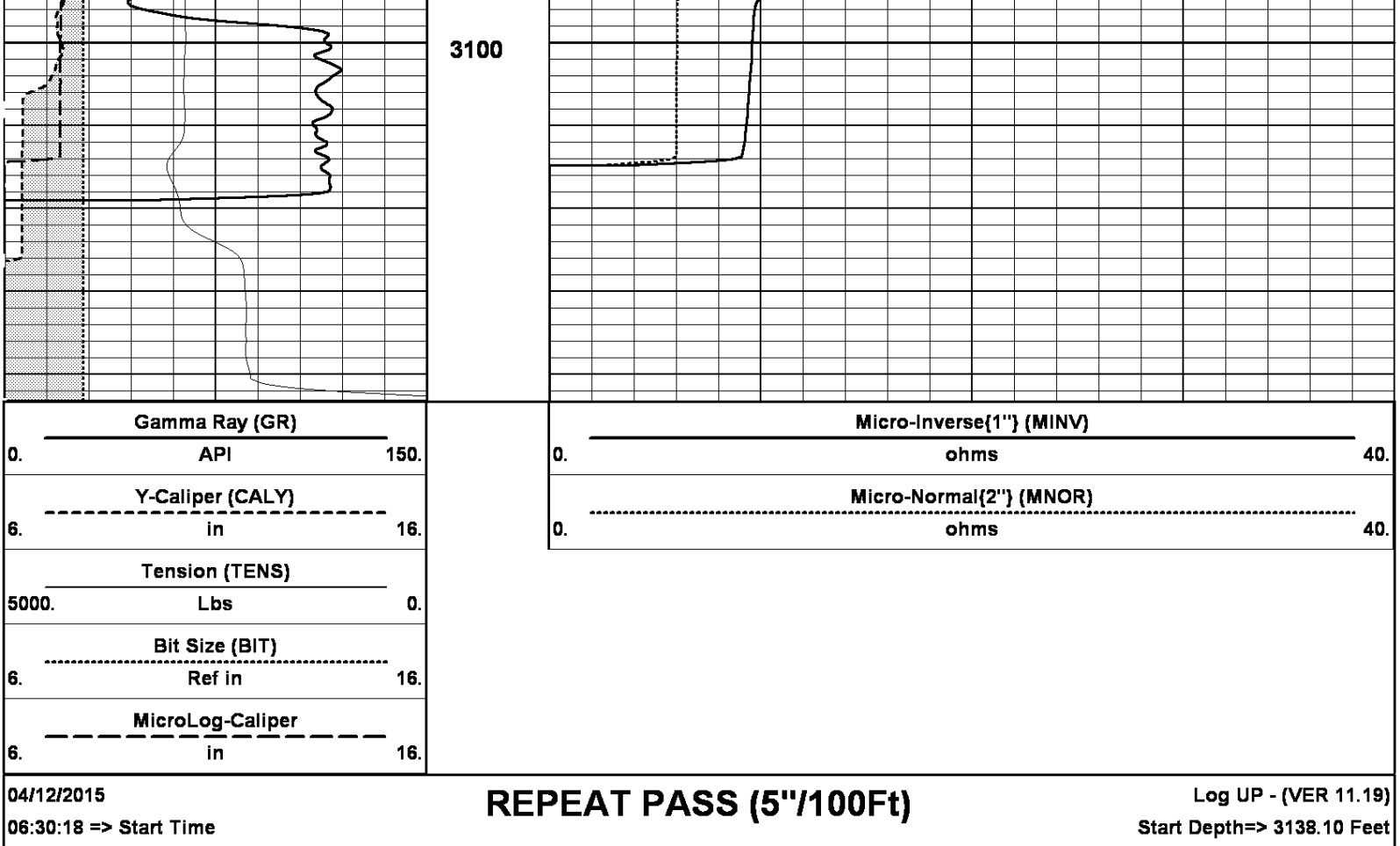
2550

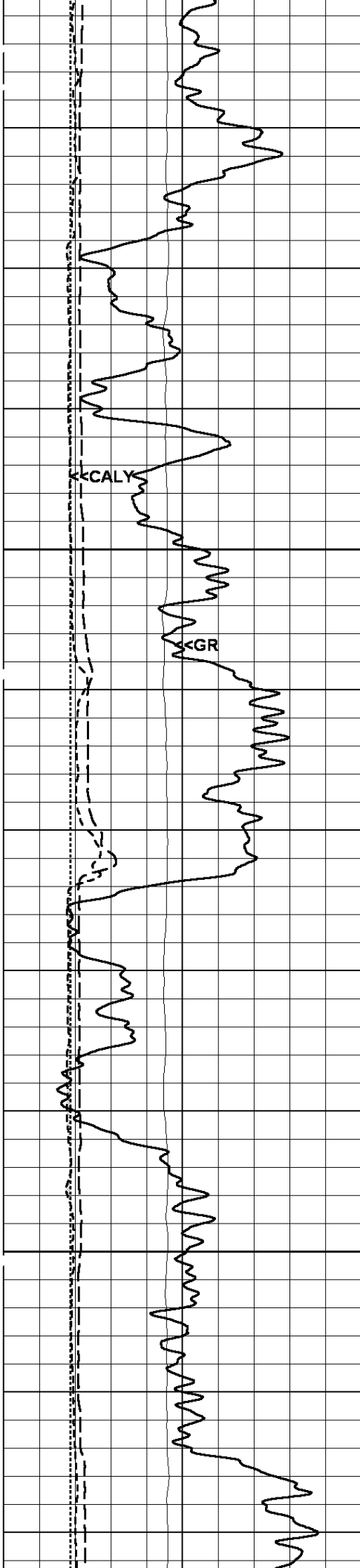
2600





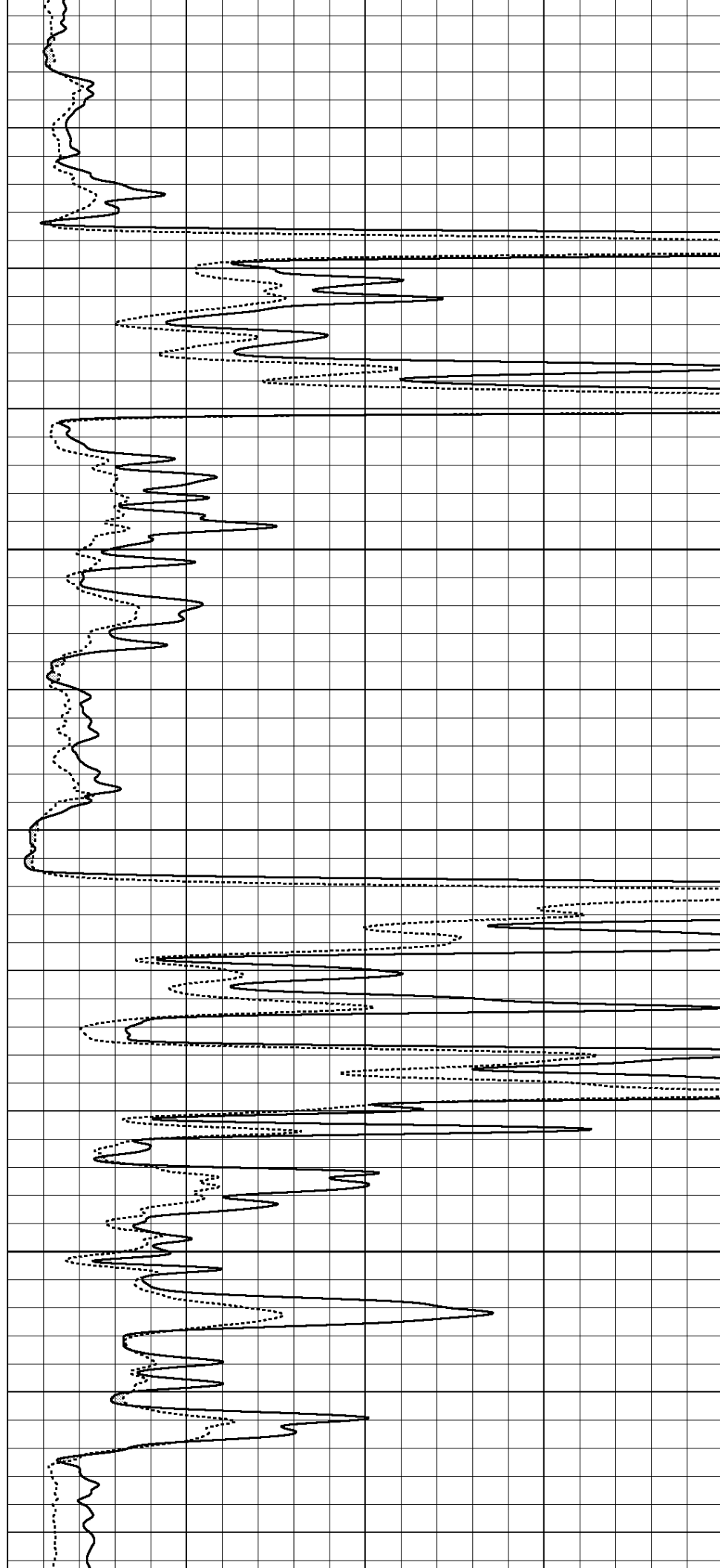


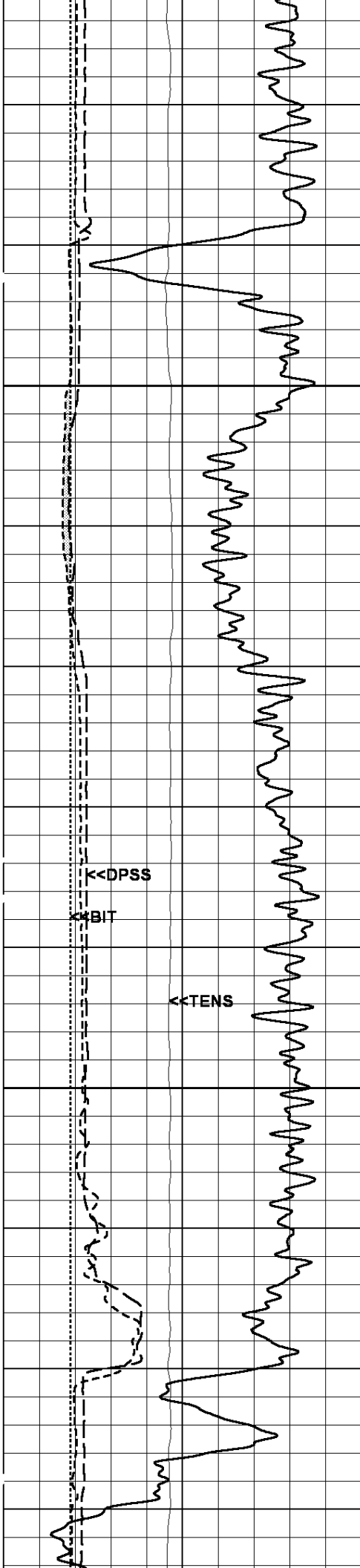




2425

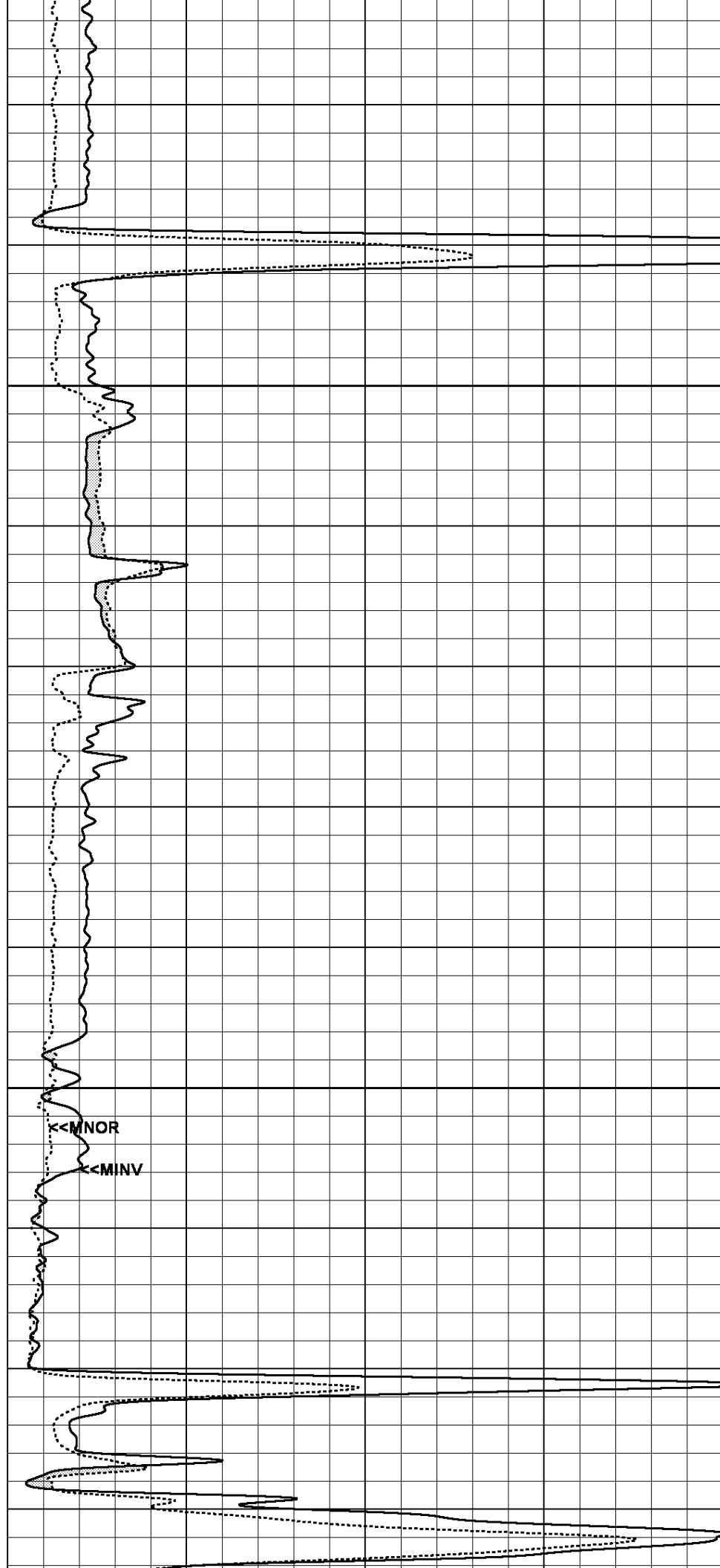
2450

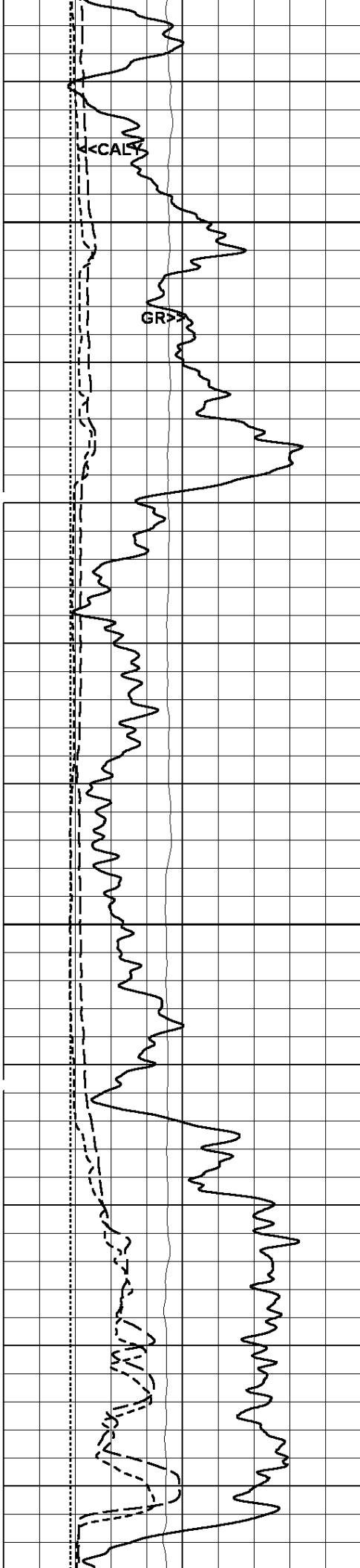




2475

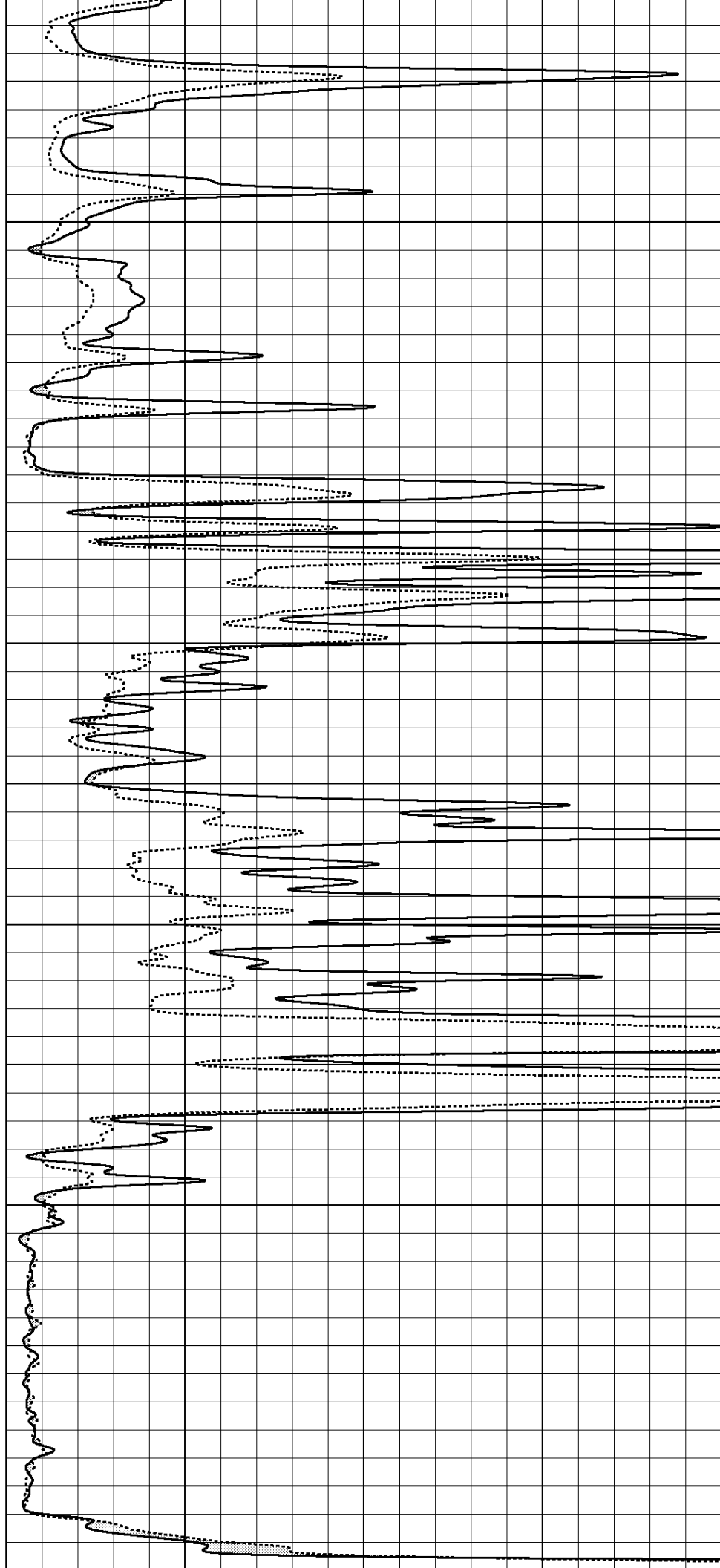
2500

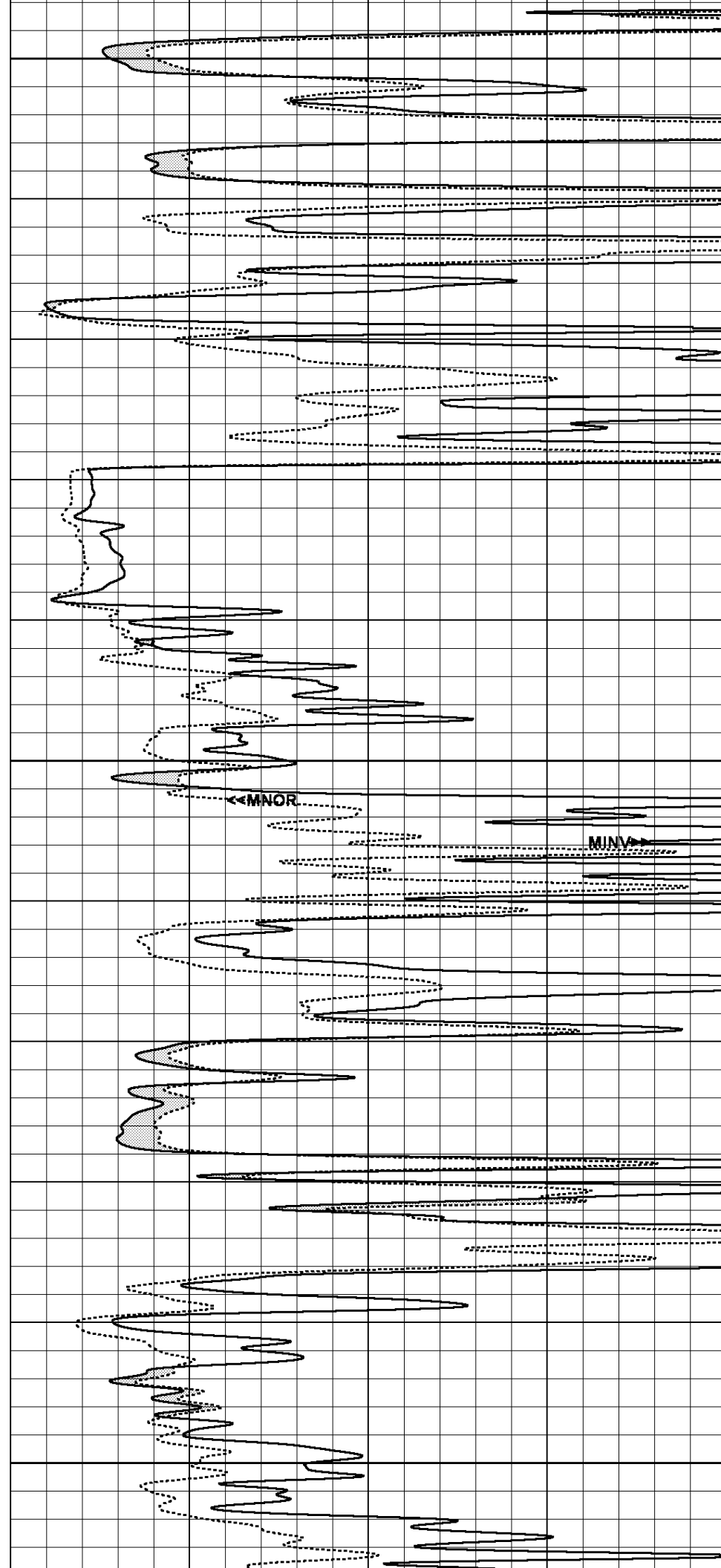
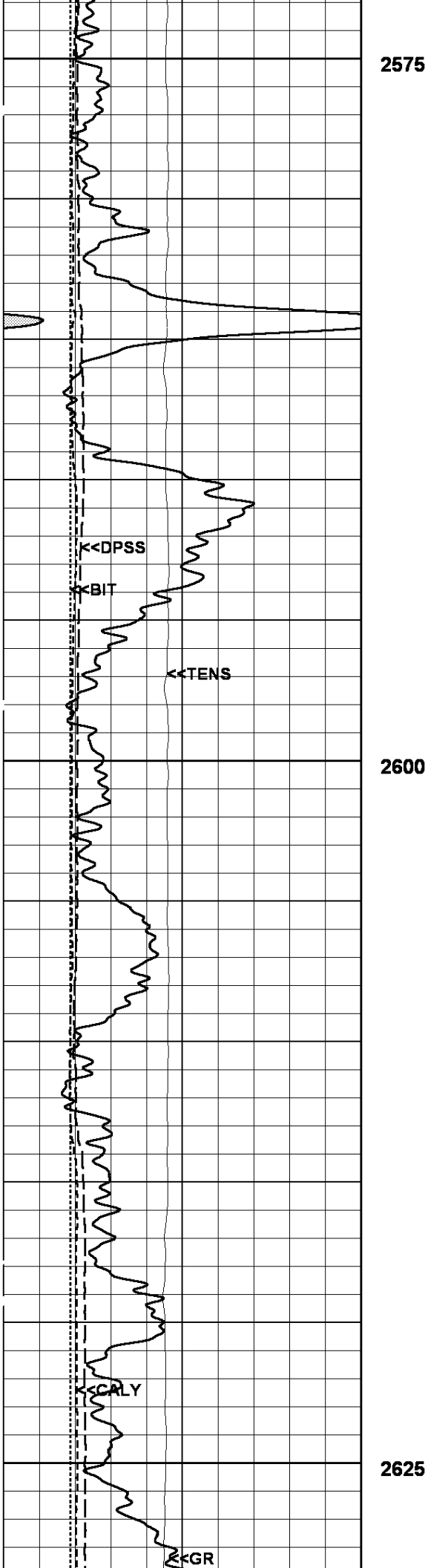


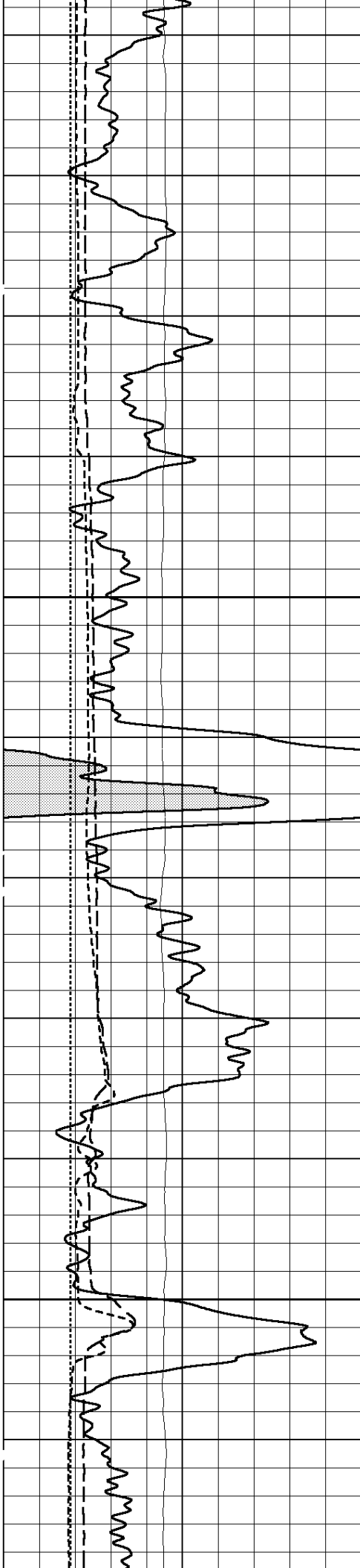


2525

2550

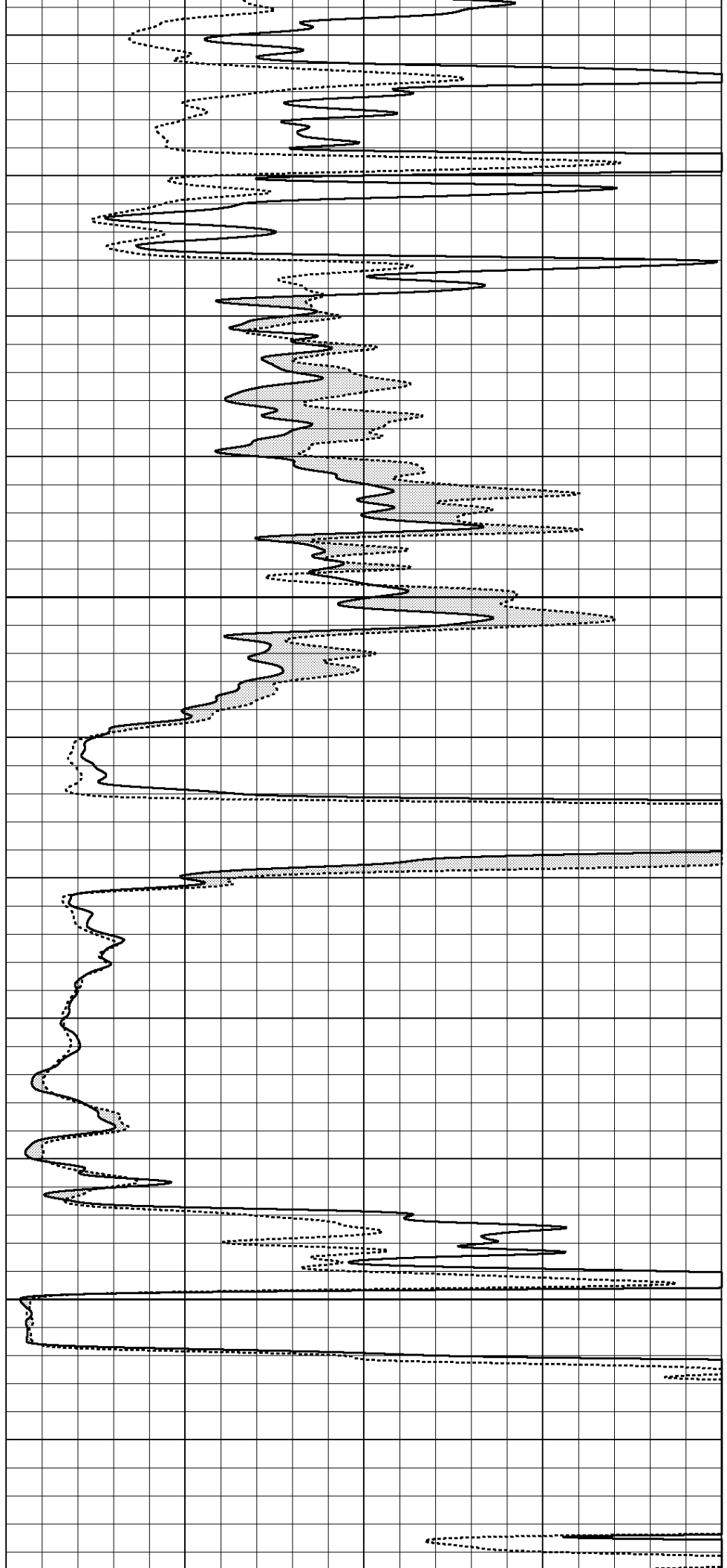


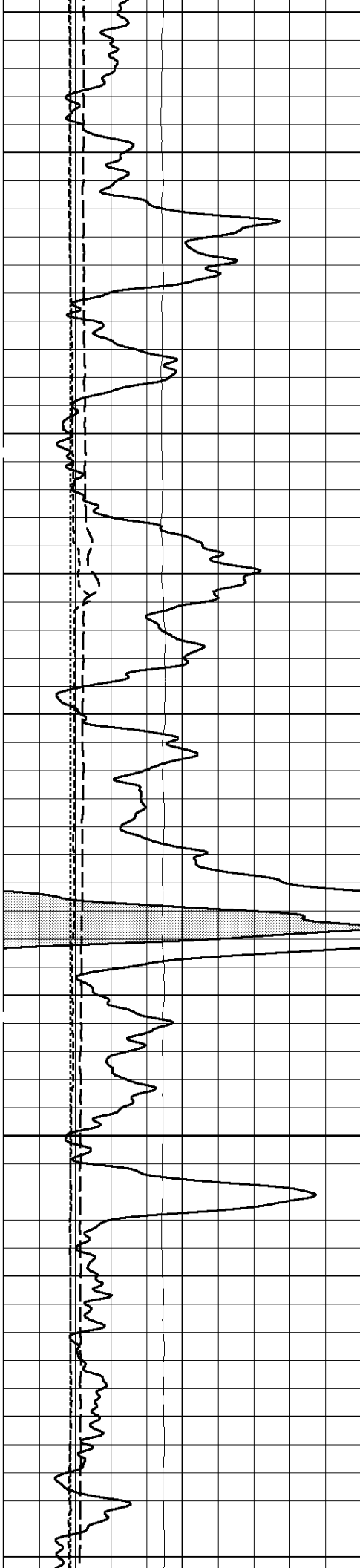




2650

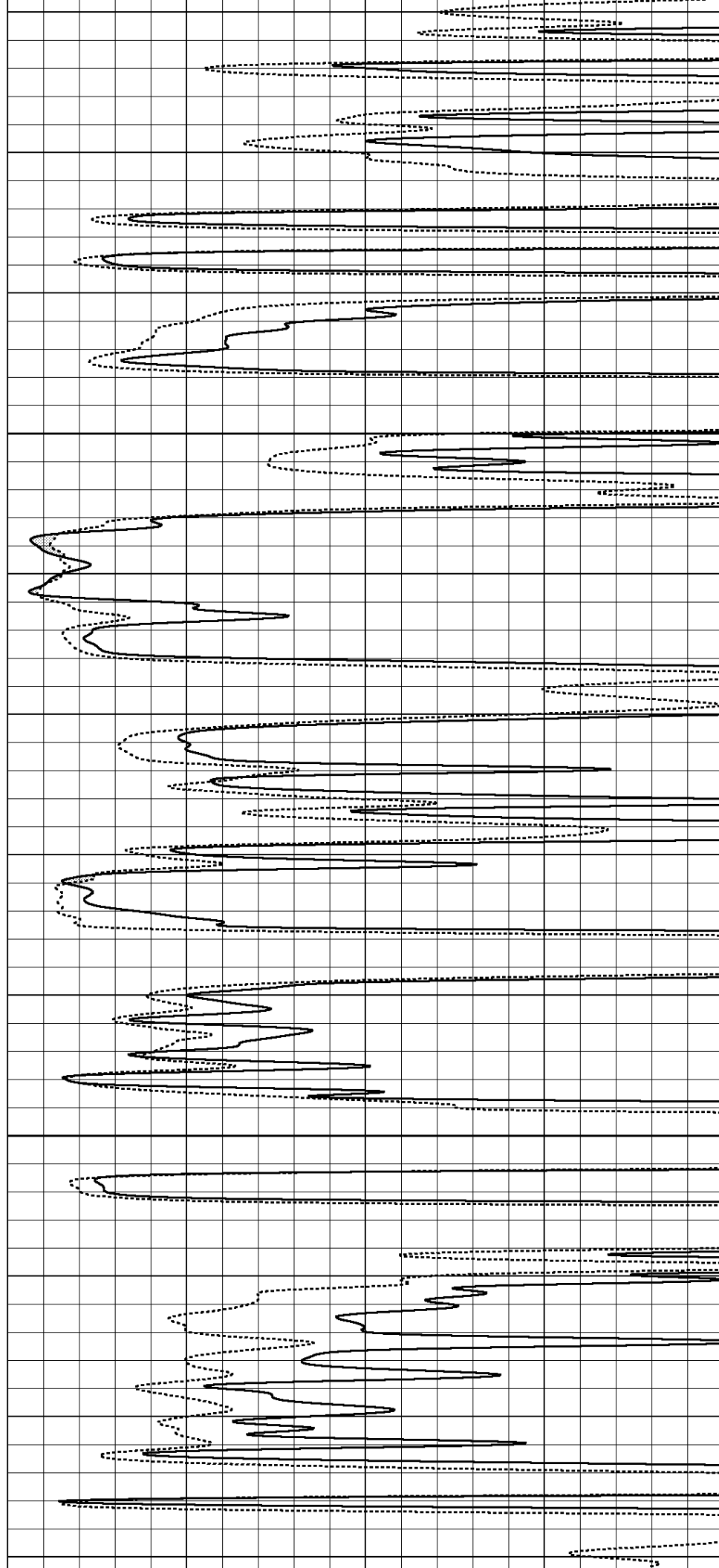
2675

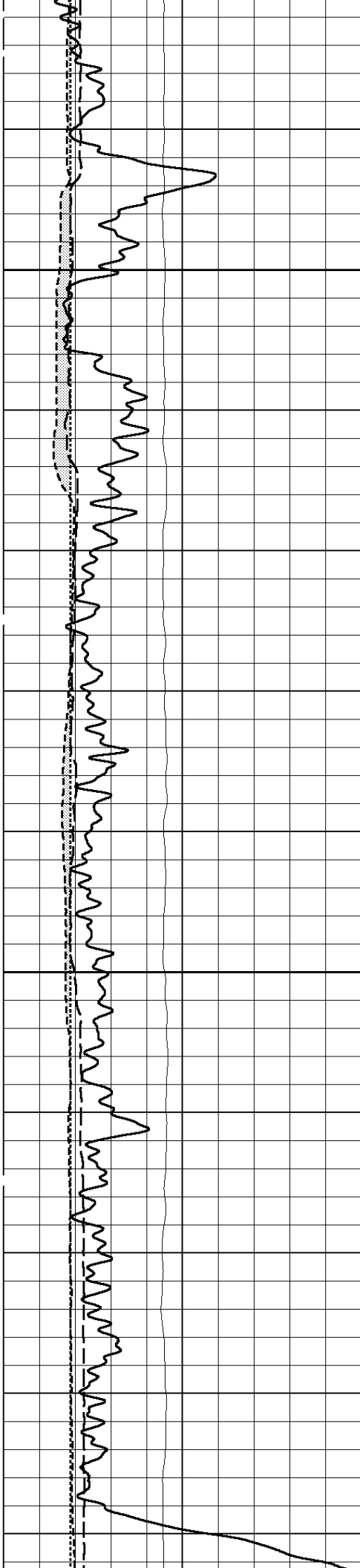




2700

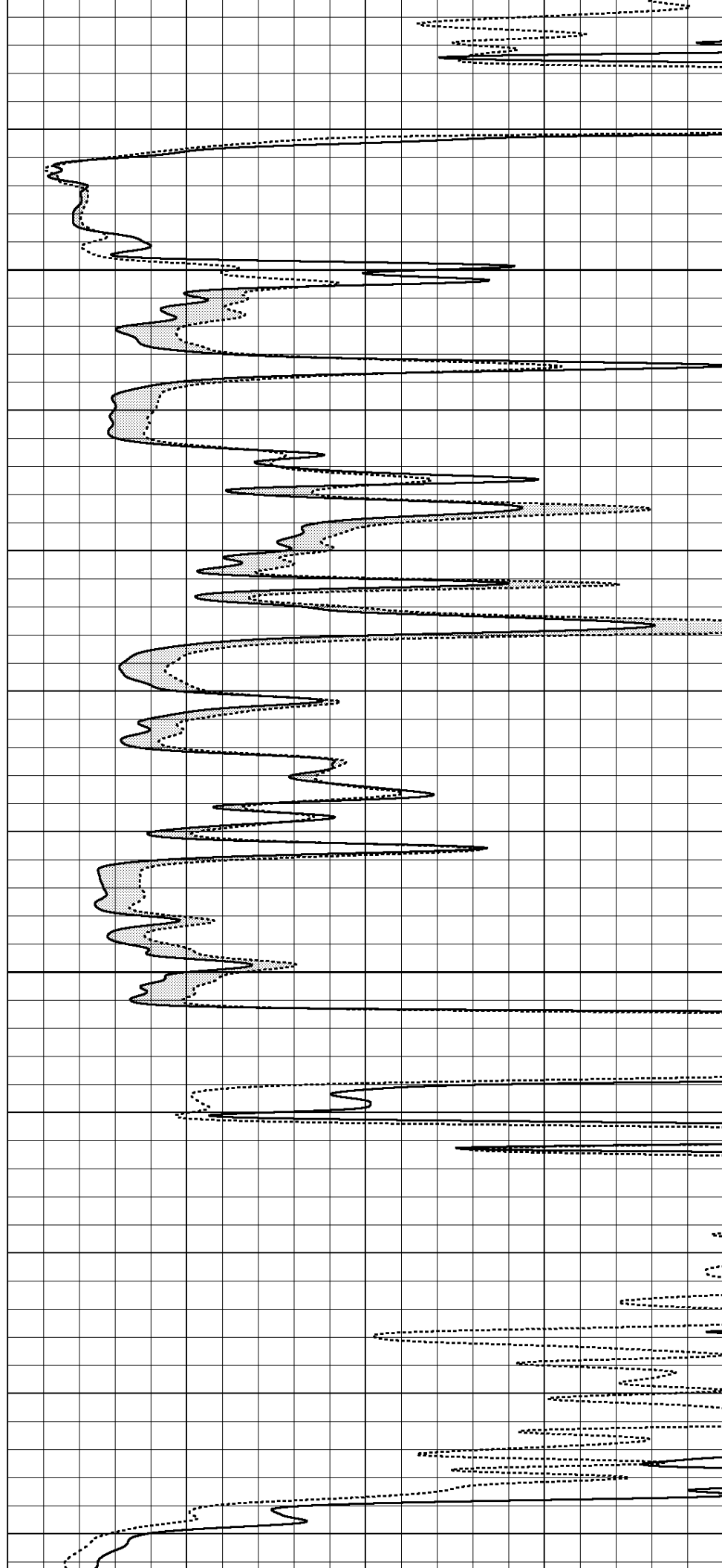
2725

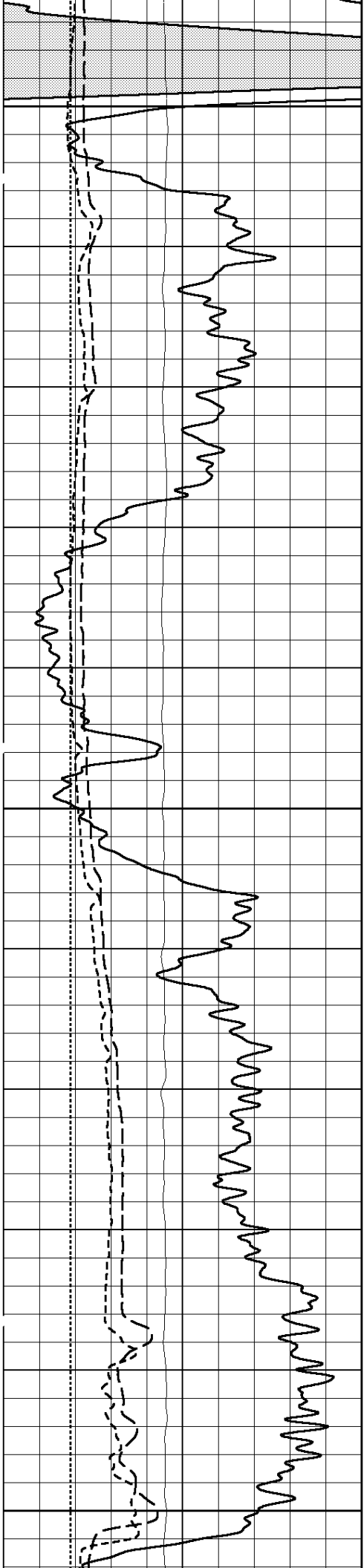




2750

2775

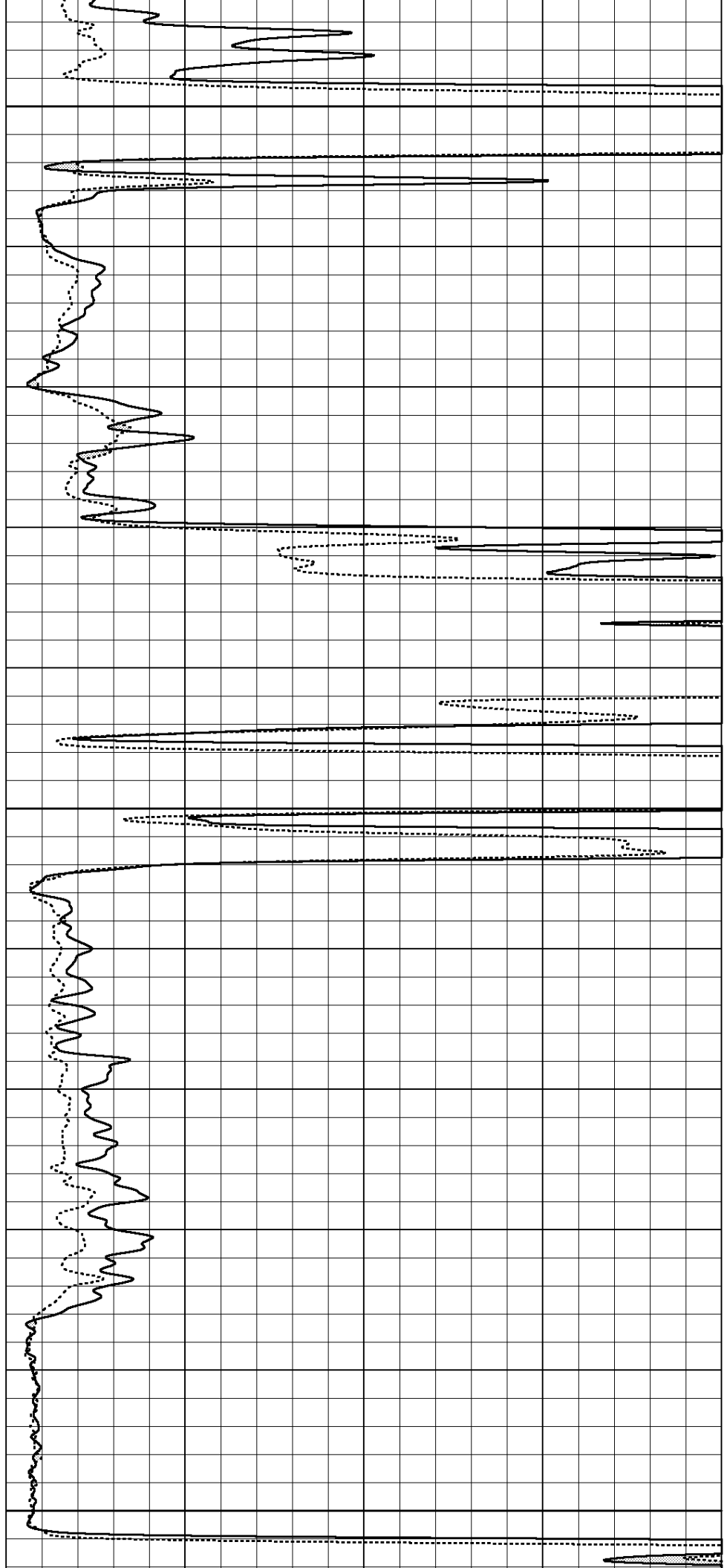


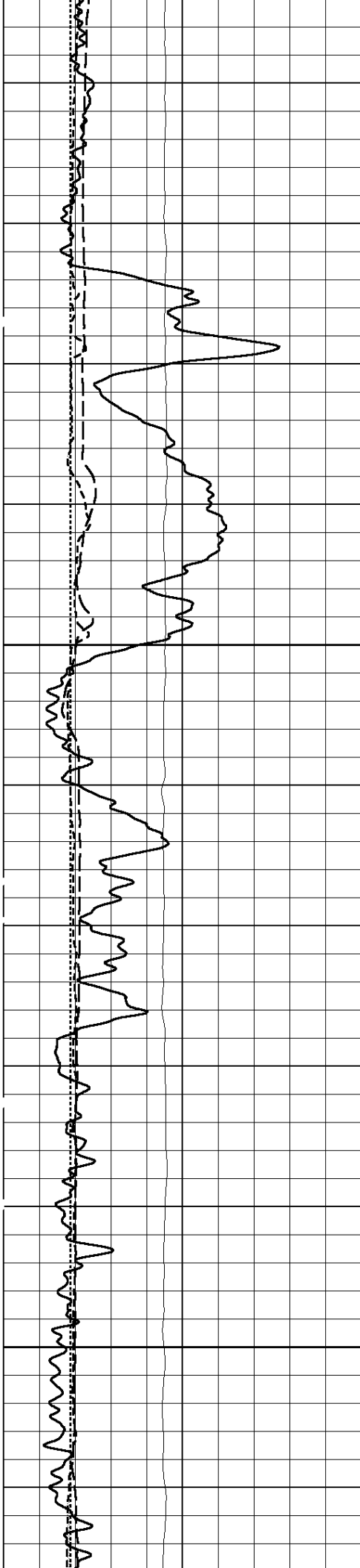


2800

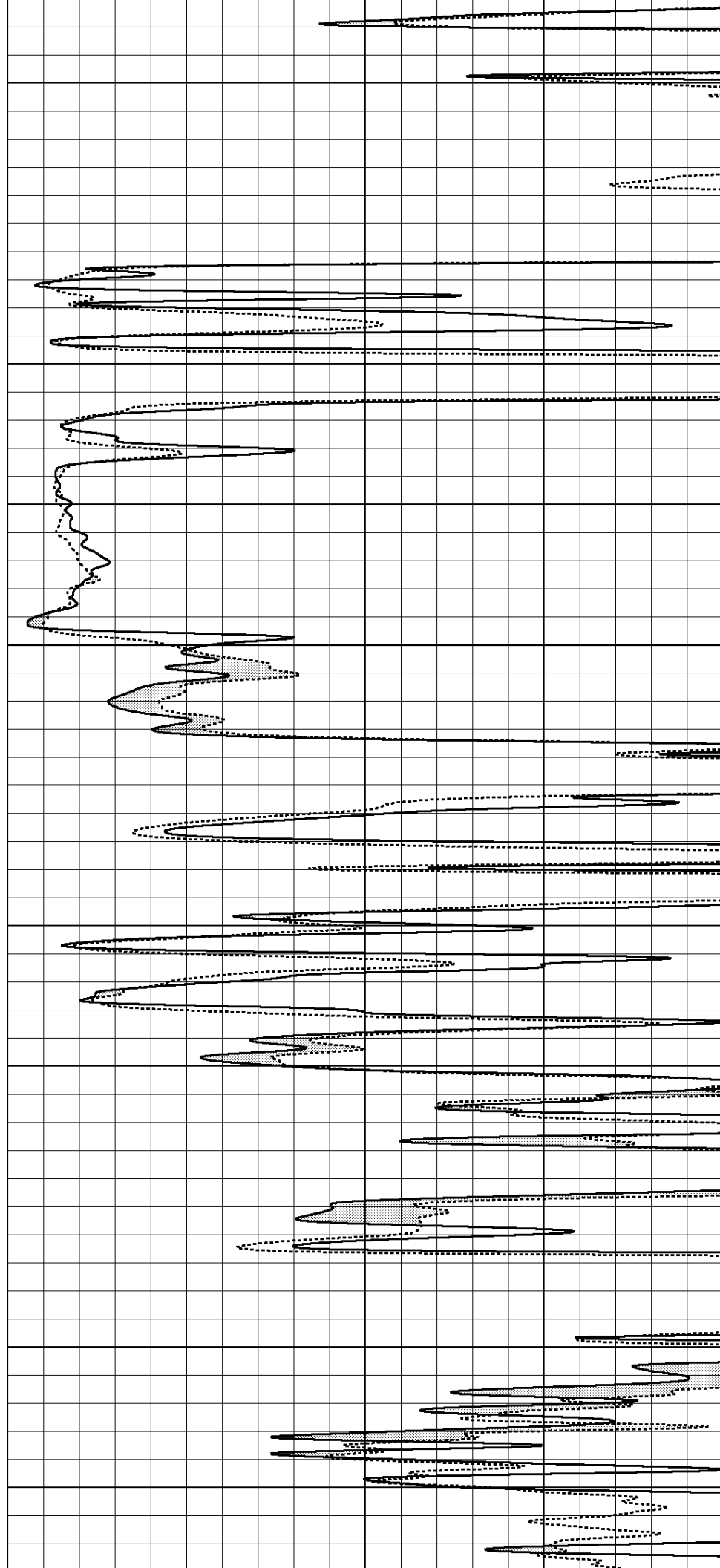
2825

2850

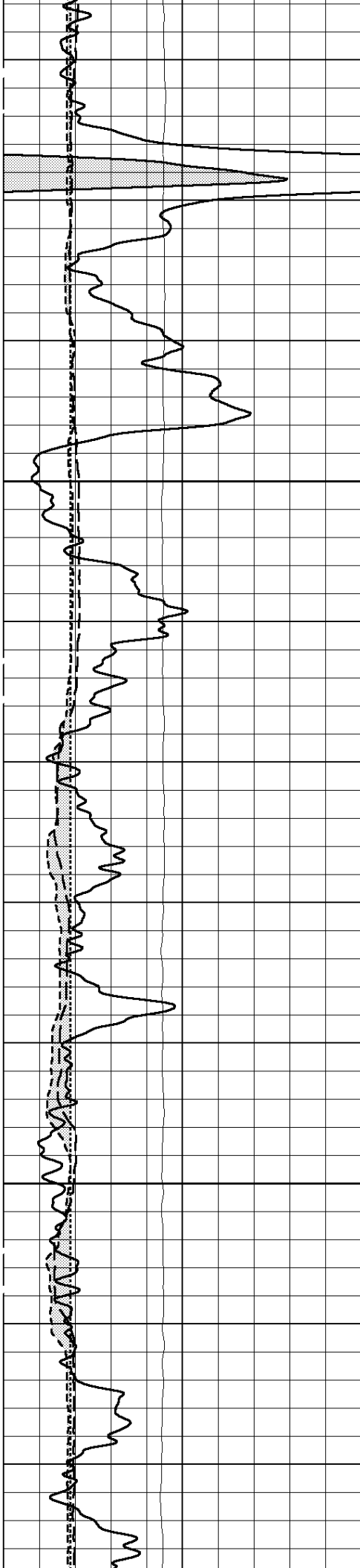




2875

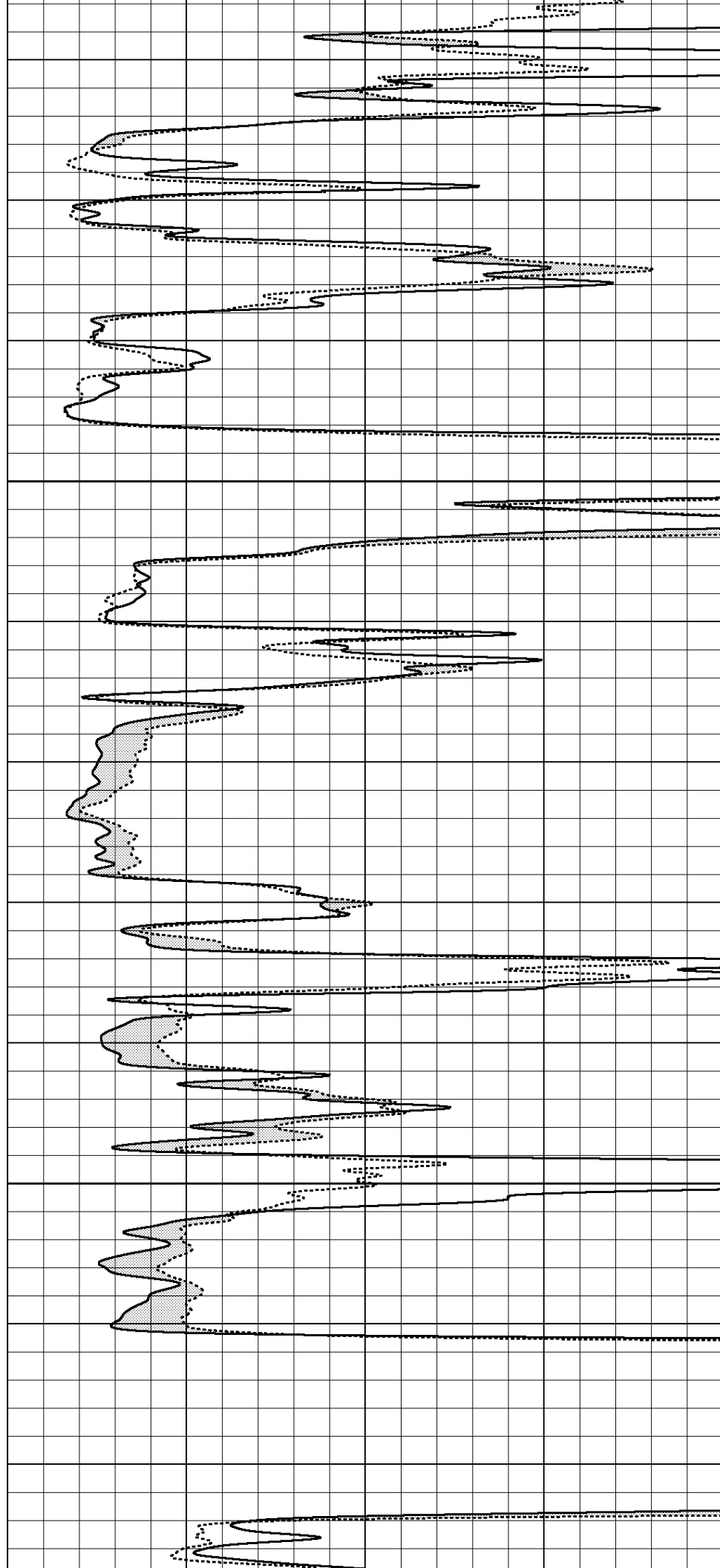


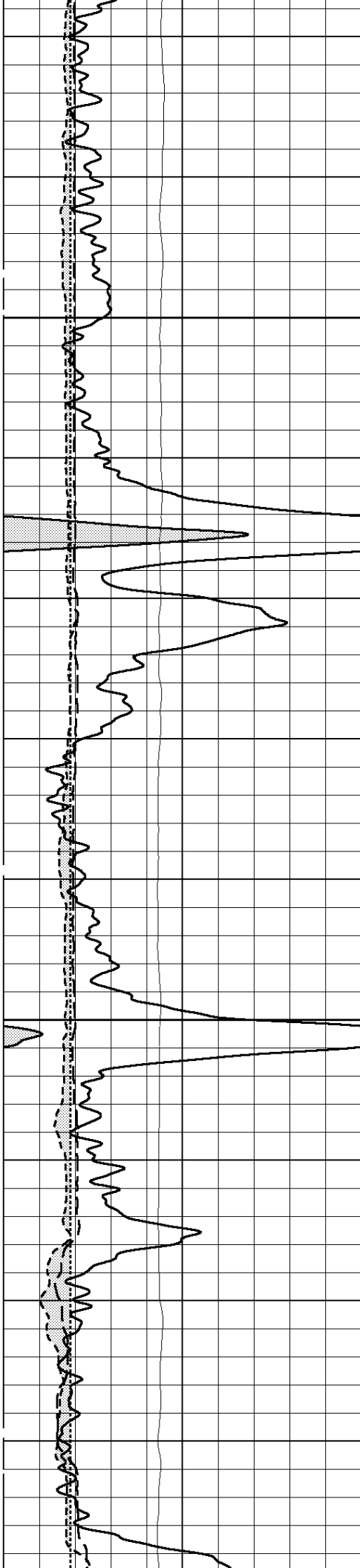
2900



2925

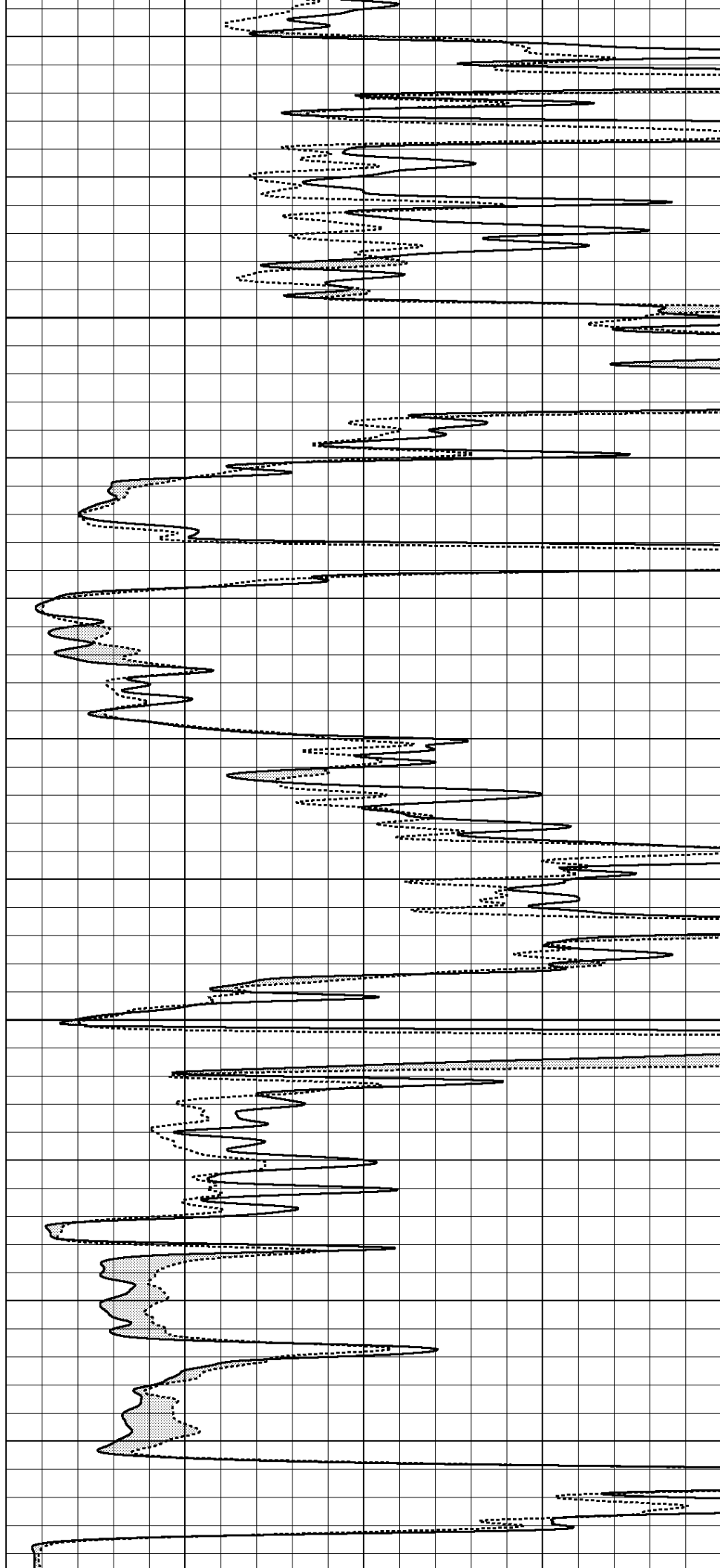
2950

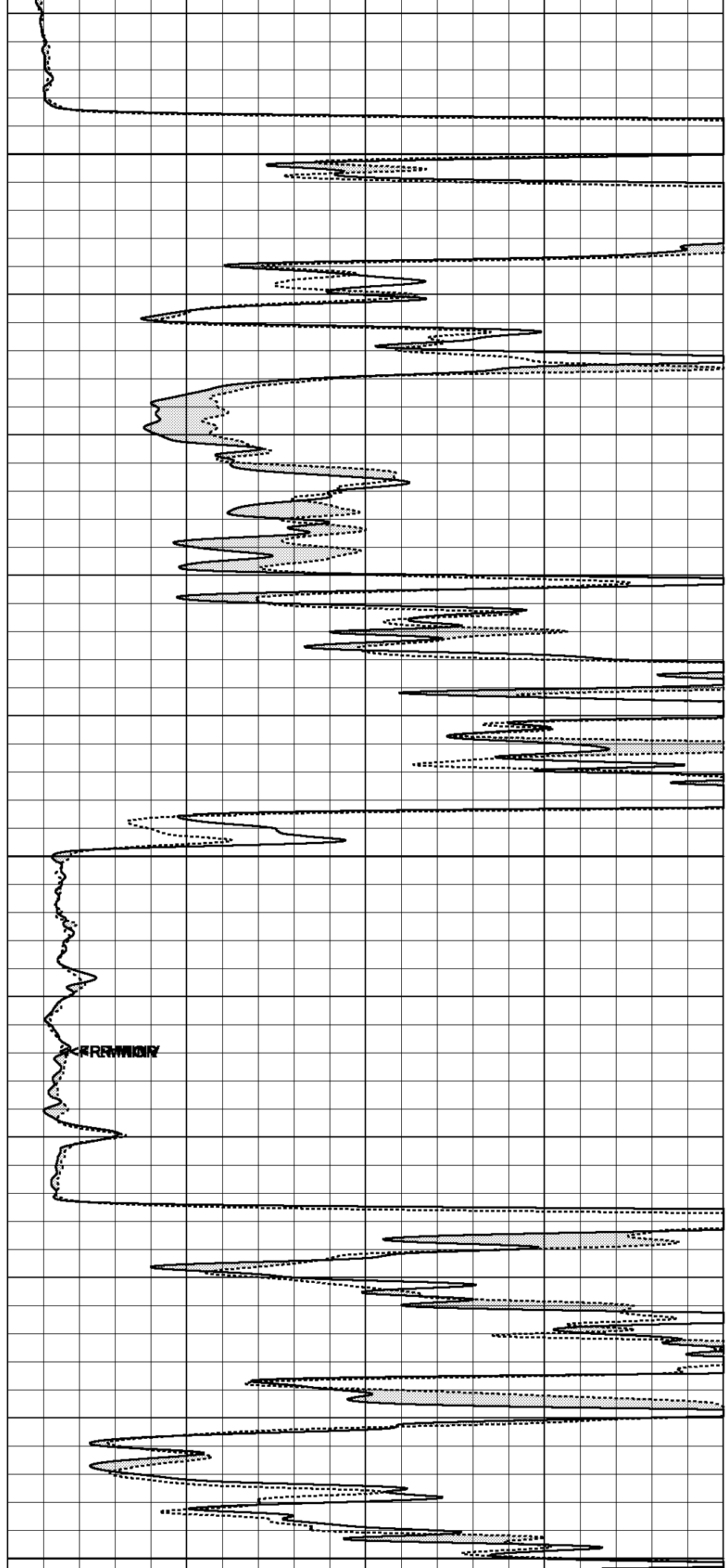
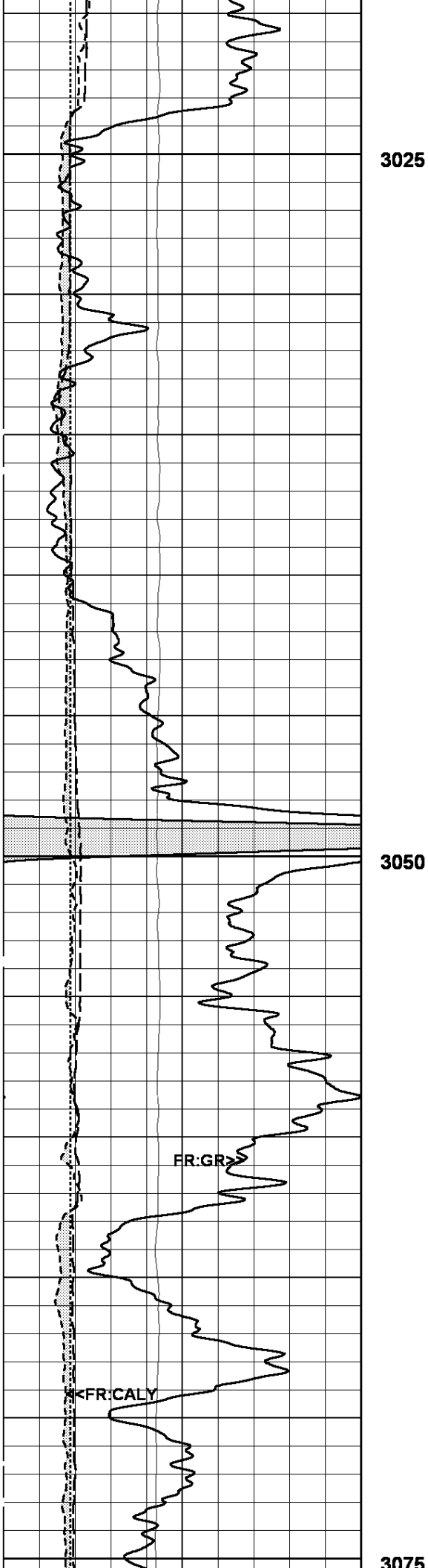


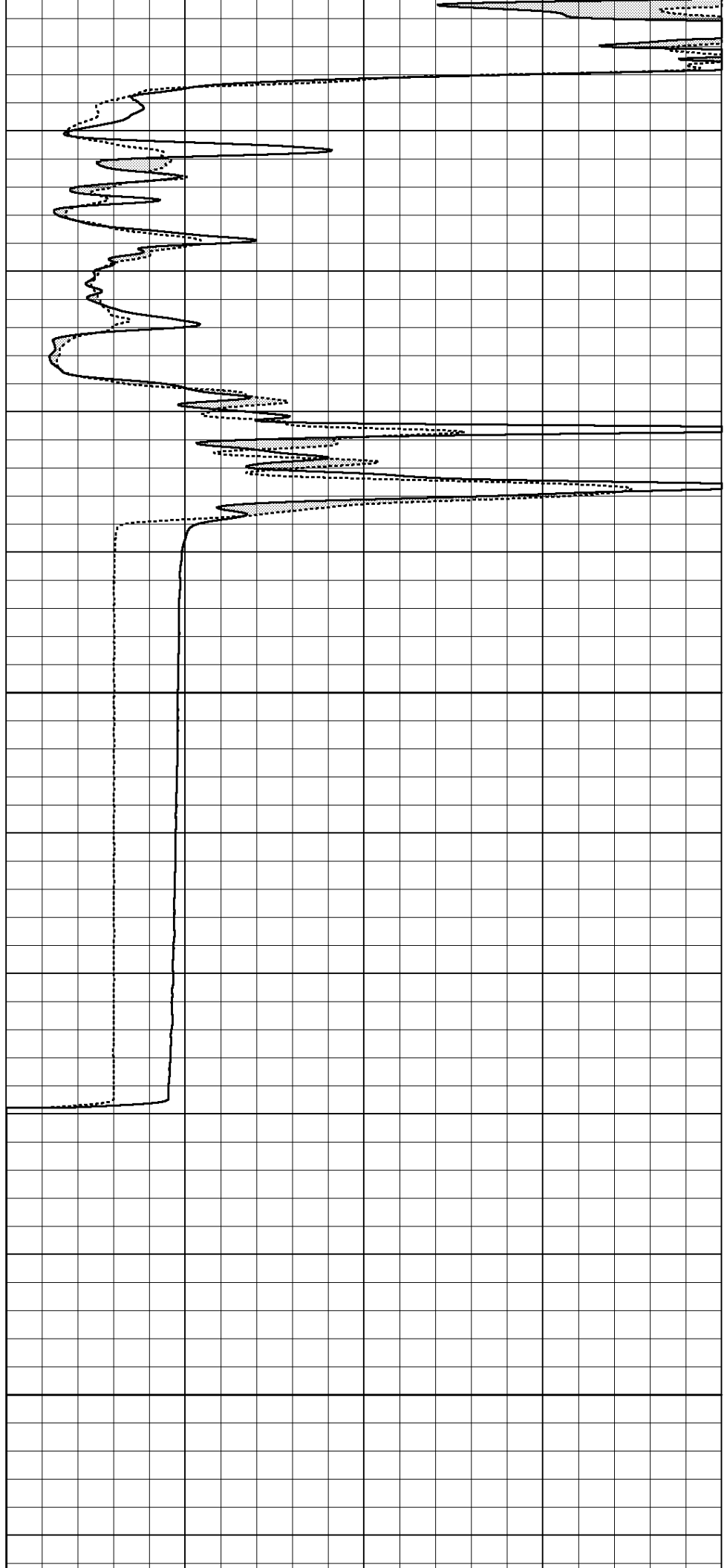
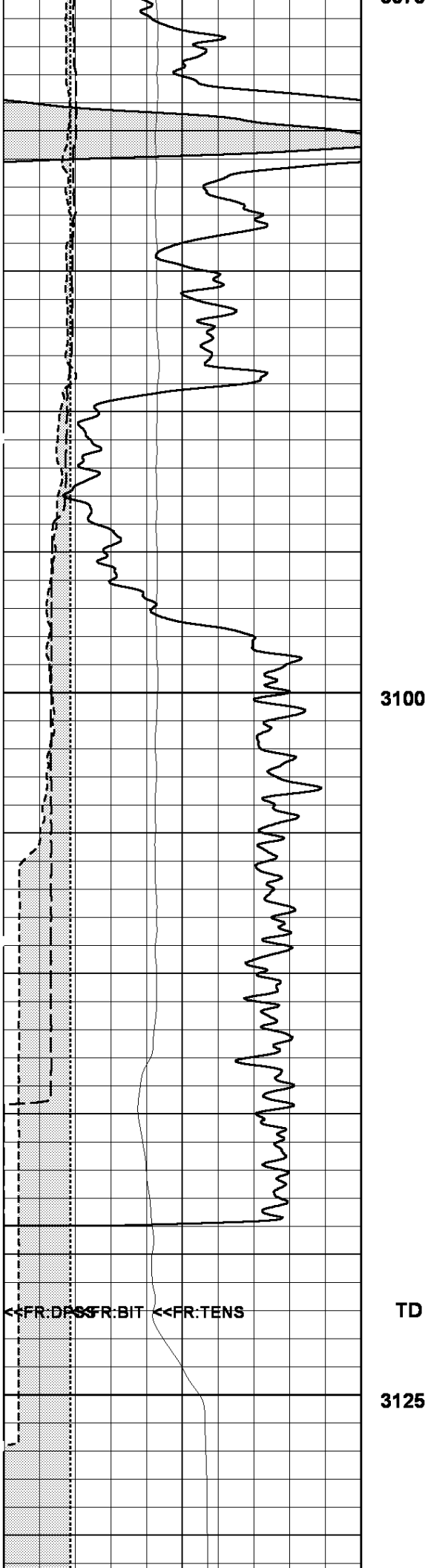


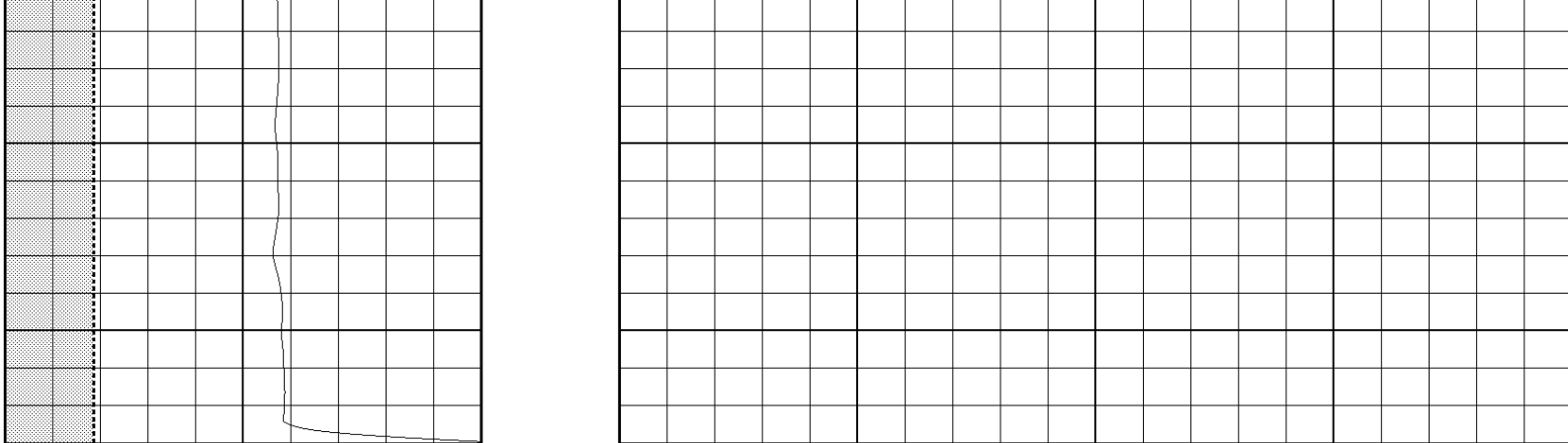
2975

3000









Gamma Ray (GR) 0. _____ 150. API	Micro-Inverse{1"} (MINV) 0. _____ 40. ohms
Y-Caliper (CALY) 6. ----- 16. in	Micro-Normal{2"} (MNOR) 0. ----- 40. ohms
Tension (TENS) 5000. _____ 0. Lbs	
Bit Size (BIT) 6. ----- 16. Ref in	
MicroLog-Caliper 6. ----- 16. in	

04/12/2015	HIGH DEFINITION PASS (20"/100Ft)	Log UP - (VER 11.19)
06:30:18 => Start Time		Start Depth=> 3138.10 Feet

MICRO INVERSE CALIBRATIONS

SERIAL NUM

RM8007

MASTER CALIBRATIONS

ZeroVal: 0.200 ohmm

CalVal: 10.000 ohmm

Gain/Offset

CALIBRATION DATE

CALIBRATION TIME

BASE CALS

14.853 - raw

278.493 - raw

0.037 - gain
-0.352 - off

M/D/Y> 4/7/2015

H:M:S> 11:0:54

MICRO NORMAL CALIBRATIONS

SERIAL NUM

RM8007

MASTER CALIBRATIONS

ZeroVal: 0.200 ohmm

CalVal: 10.000 ohmm

Gain/Offset

CALIBRATION DATE

CALIBRATION TIME

BASE CALS

28.036 - raw

367.563 - raw

0.029 - gain
-0.609 - off

M/D/Y> 4/7/2015

H:M:S> 11:5:56

GAMMA RAY CALIBRATION

SERIAL NUM

RG3006

BLANKET NUM

1A

MASTER CALIBRATIONS

	BackGrnd	CalVal: 175.000 API	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	95.407 - raw	651.300 - raw	0.315 - gain 0.000 - off	M/D/Y> 4/7/2015	H:M:S> 12:37:49

Y CALIPER CALIBRATIONS

SERIAL NUM	RN2008
------------	-------------------

MASTER CALIBRATIONS

	ZeroVal: 6.000 in	CalVal: 10.000 in	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	980.201 - raw	1665.613 - raw	0.006 - gain 0.280 - off	M/D/Y> 4/9/2015	H:M:S> 11:37:58

MICRO CALIPER CALIBRATIONS

SERIAL NUM	RM8007
------------	-------------------

MASTER CALIBRATIONS

	ZeroVal: 6.000 in	CalVal: 10.000 in	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	2626.944 - raw	4610.595 - raw	0.002 - gain 0.703 - off	M/D/Y> 4/7/2015	H:M:S> 11:13:19

Company	CMX INCORPORATED
Well	WOELK #1-18
Field	GORHAM
County	RUSSELL
State	KANSAS

RECON**MICROLOG
GAMMA RAY
CALIPER**