

RECON

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

Date	11-APR-2015				
Run No.	ONE				
TD Driller	3120	ft.		ft.	
TD RECON	3122	ft.		ft.	
Bot Logged Interval	3121	ft.		ft.	
Top Logged Interval	250	ft.		ft.	
Casing Depth Driller	8 5/8	in.	264	in.	264
Casing Depth RECON	8 5/8	in.	264	in.	264
Bit Size	7 7/8	in.		in.	
Drilling Fluid Type	WBM				
Density	8.7	Viscosity	45		
Fluid Loss	10	PH	10.8		
Source Of Sample	Flowline				
RM @ Measured Temp	1.57	Ohmm	75	Ohmm	75
RMF @ Measured Temp	1.18	Ohmm	75	Ohmm	75
RMC @ Measured Temp	1.96	Ohmm	75	Ohmm	75
RM @ MRT	1.23	Ohmm	98	Ohmm	98
Max Recorded Temp	98	DegF		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	Location	S406	OKLAHOMA CITY,	OK	
Recorded By	K.HELDERMON				
Witnessed By	K.LEBLANC				D.MCGINNNESS

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

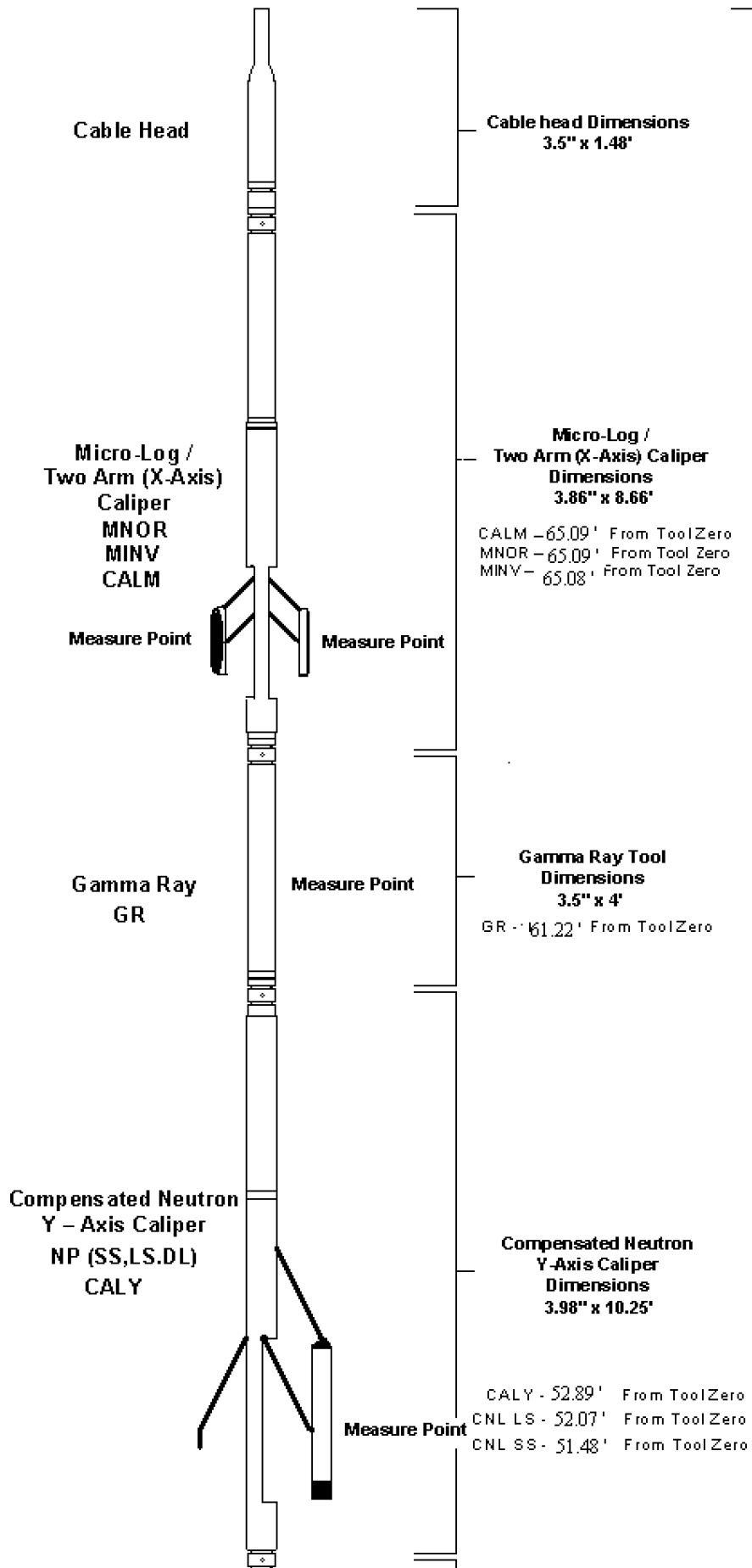
RIG INFORMATION

Drill Contr/Rig#	BLUE LINE #3

GENERAL REMARKS SECTION

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'**

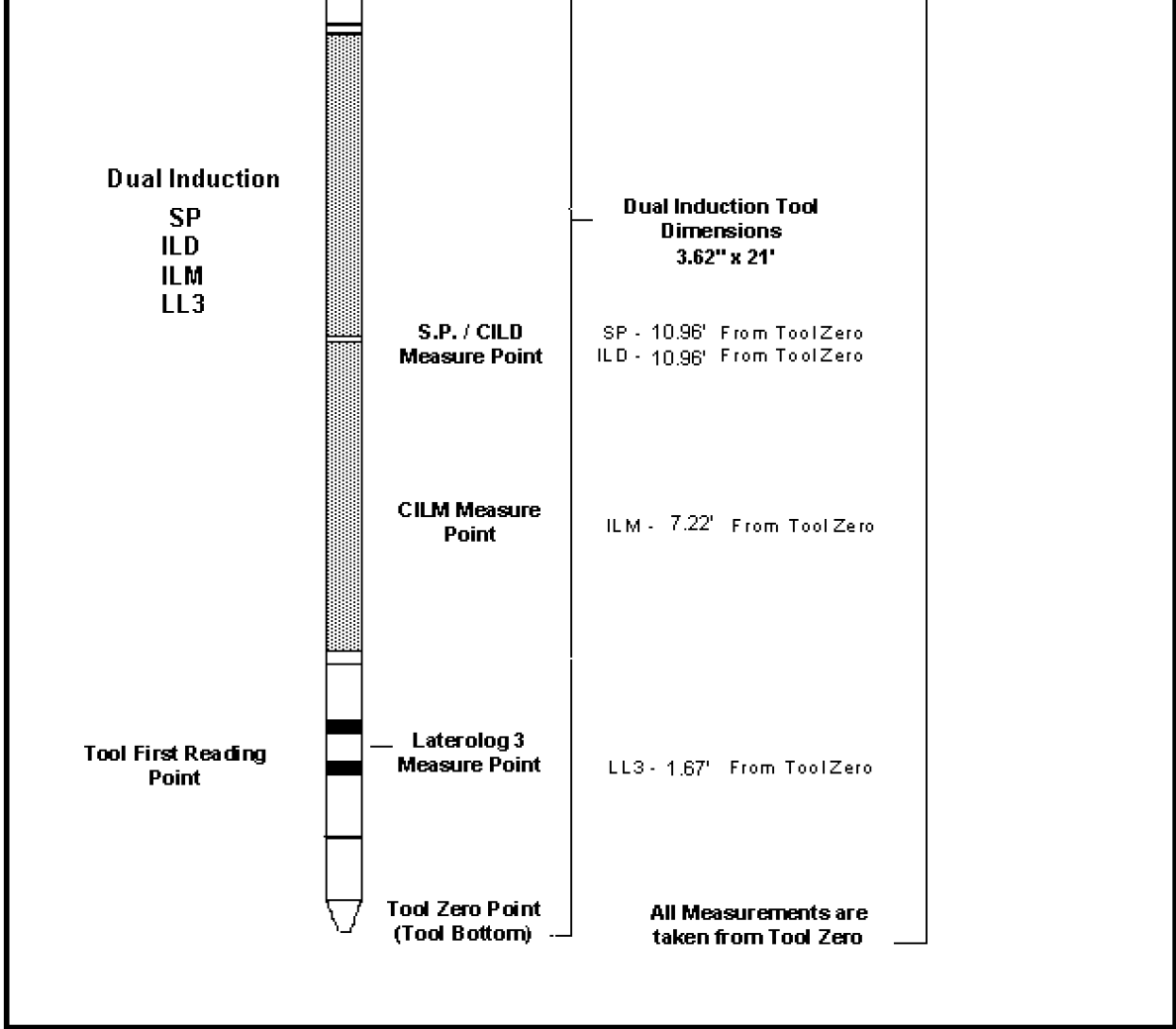
T1R1 - 33.35' From ToolZero
T1R2 - 31.35' From ToolZero

R-1
Receiver 1

R-2
Receiver 2

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

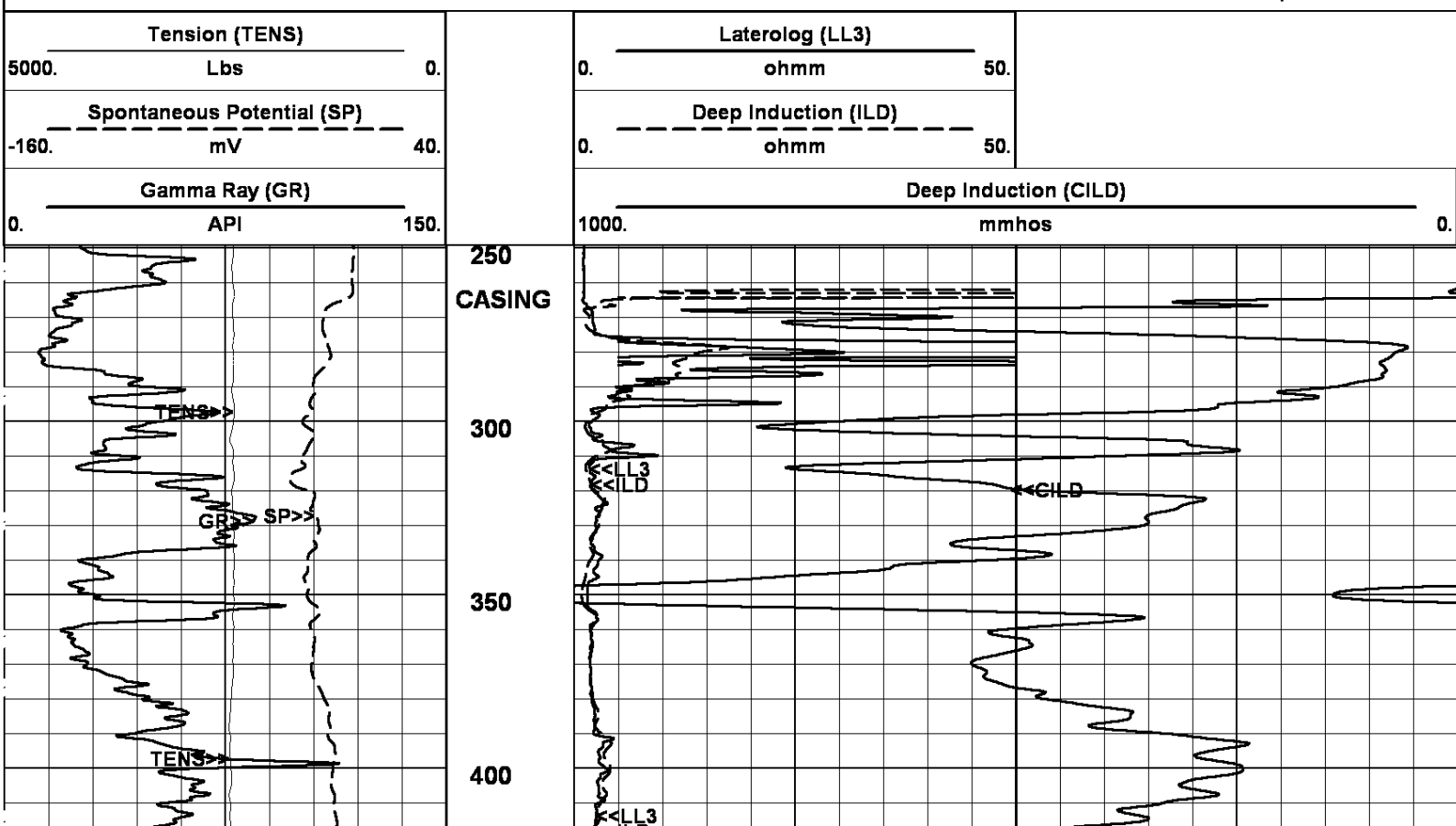
T-2
Transmitter 2

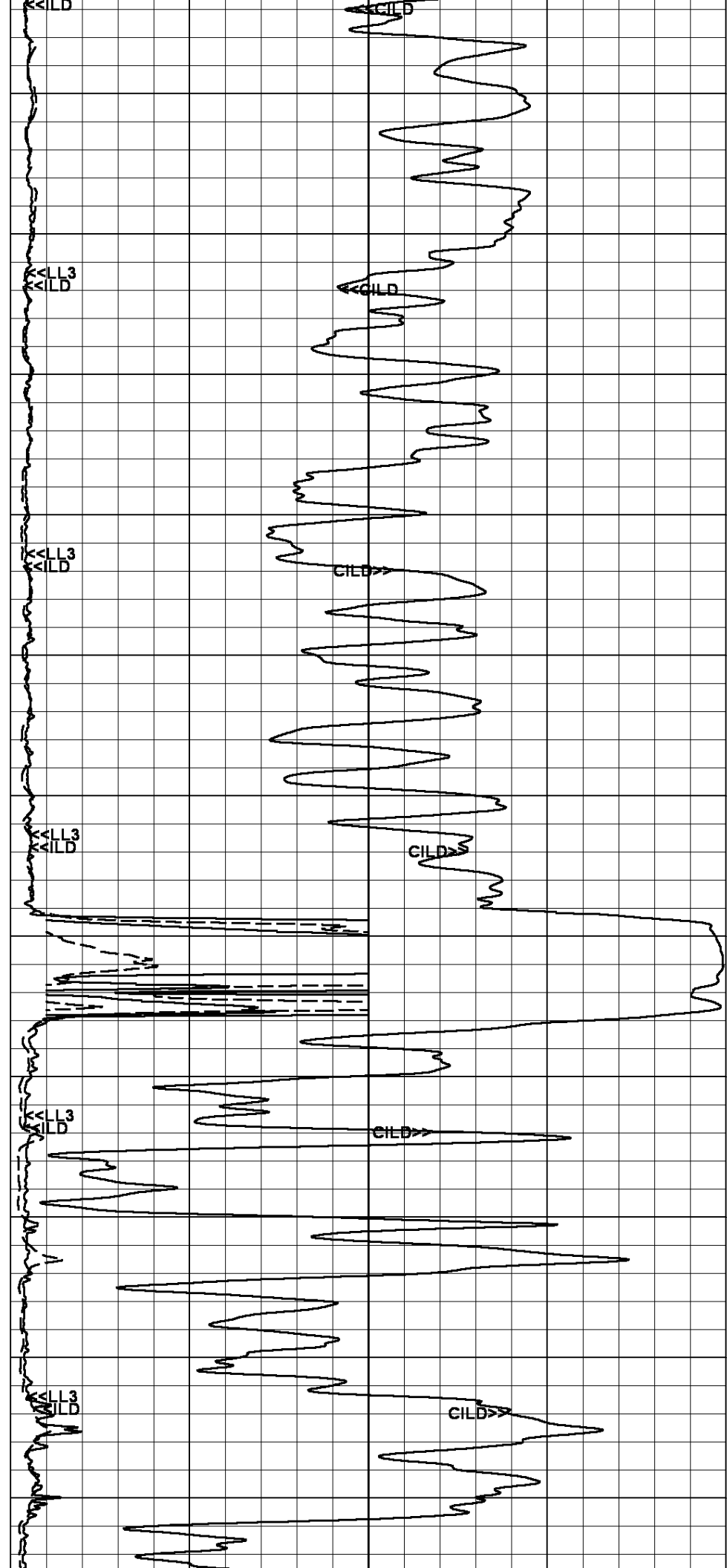
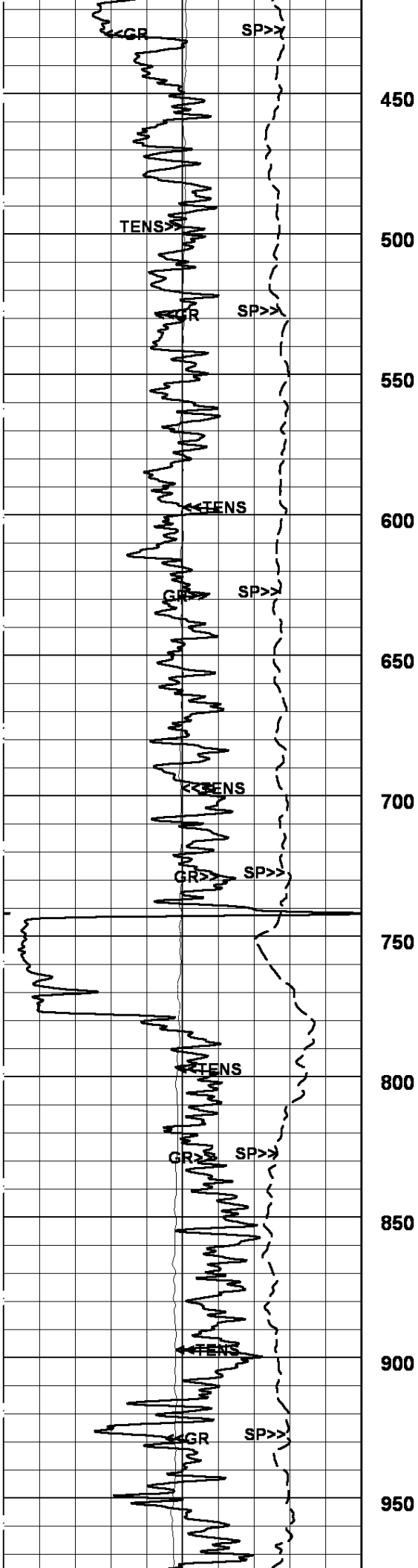


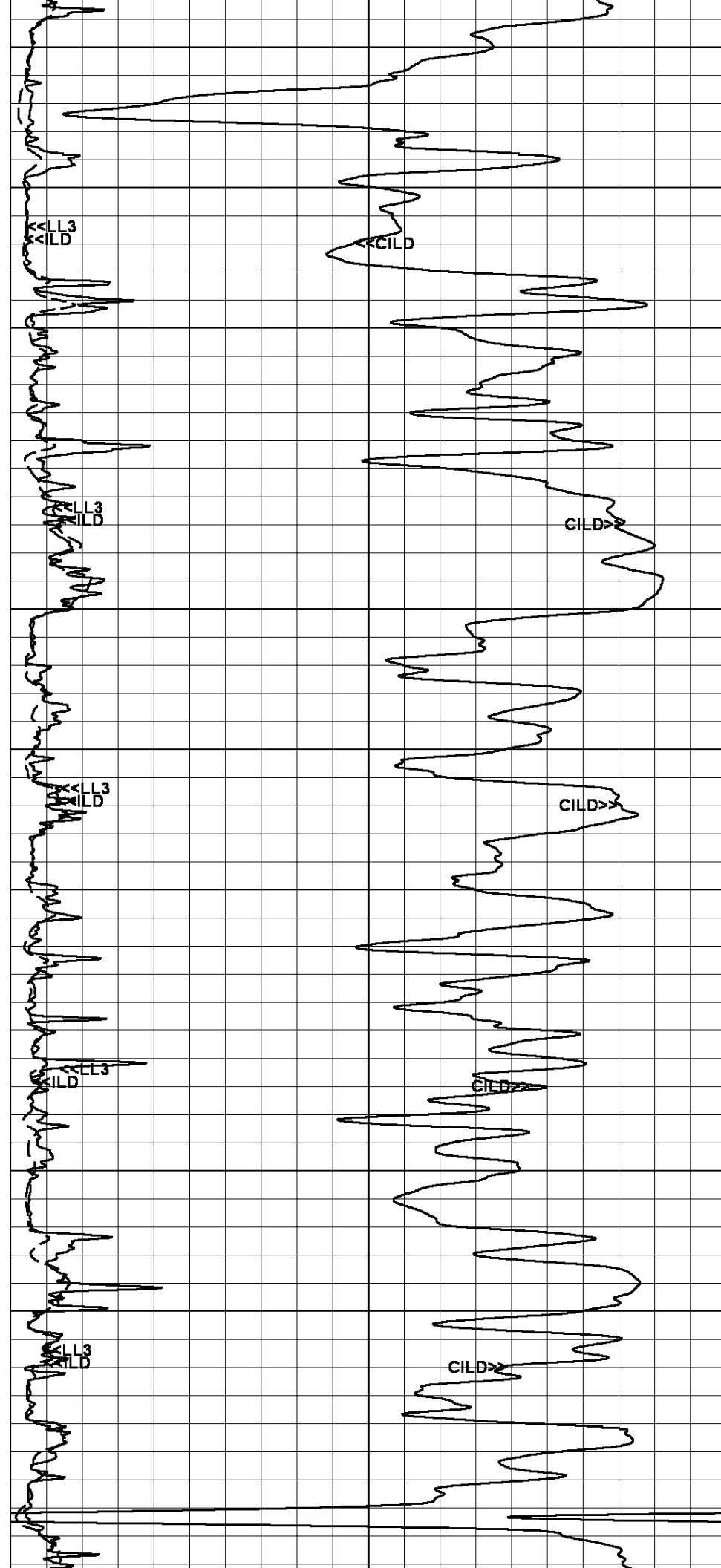
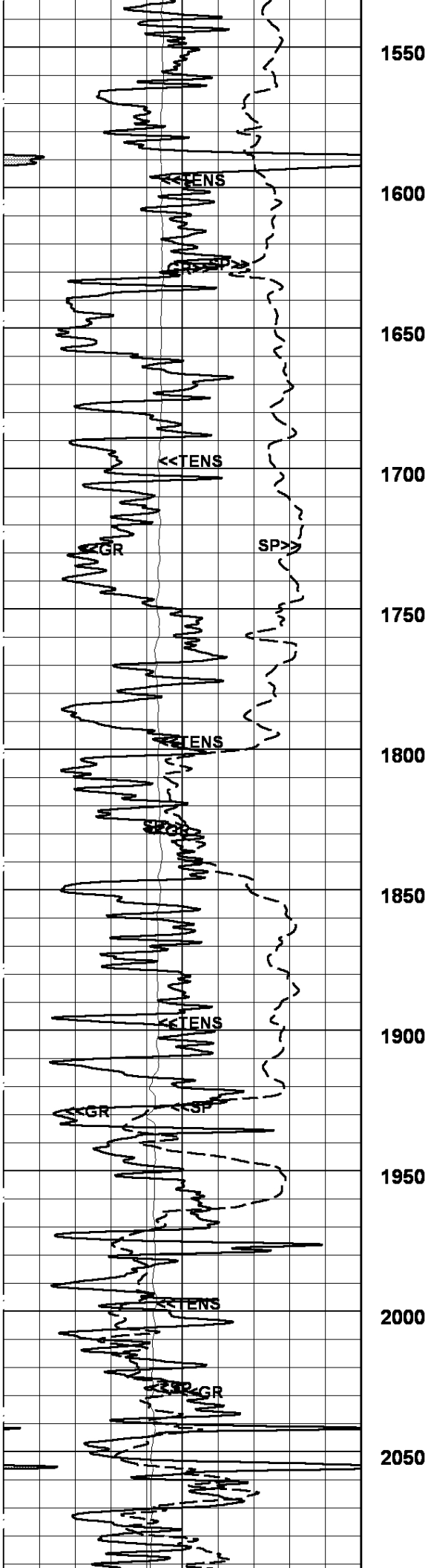
04/12/2015
04:56:17 => End Time

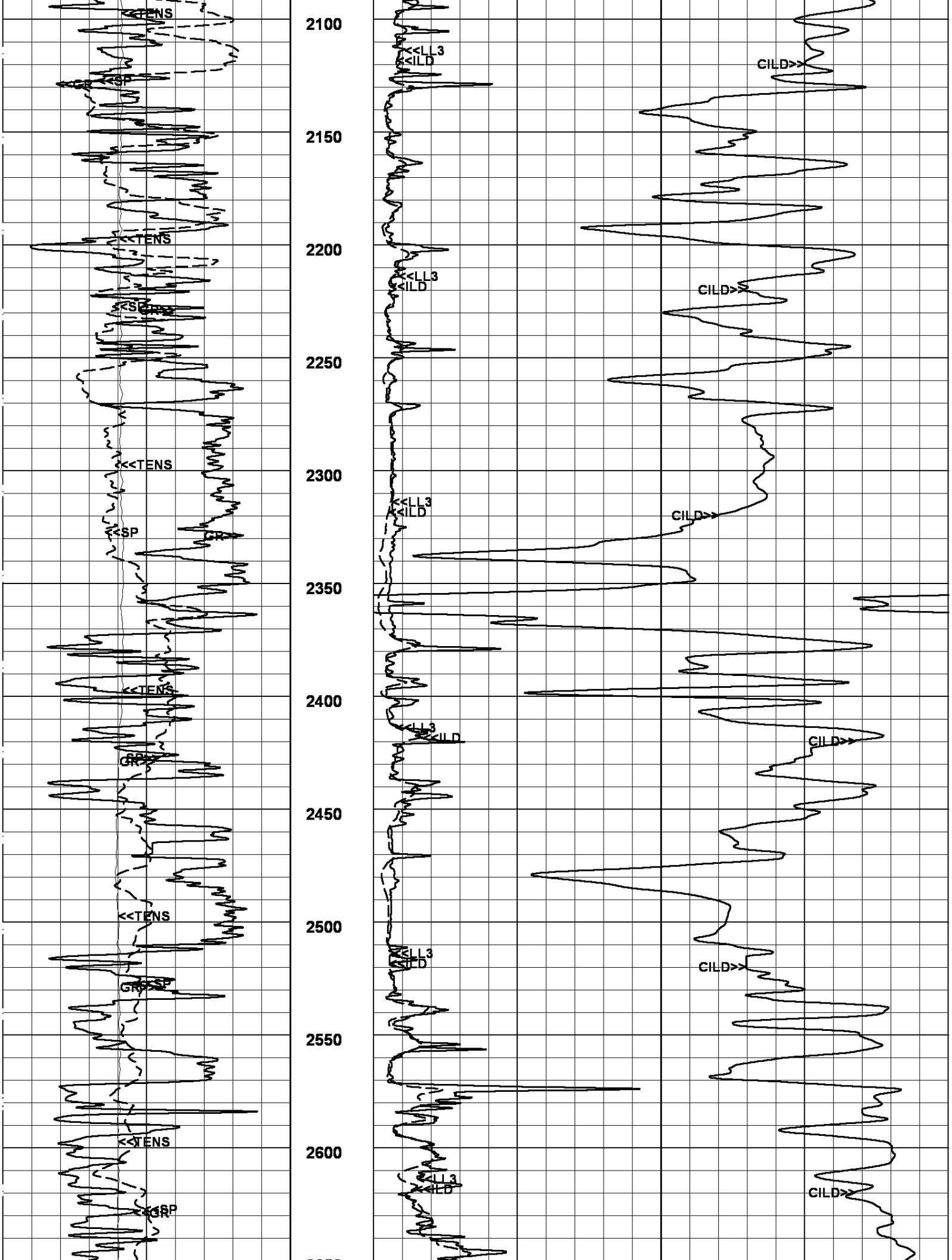
MAIN PASS (2"/100Ft)

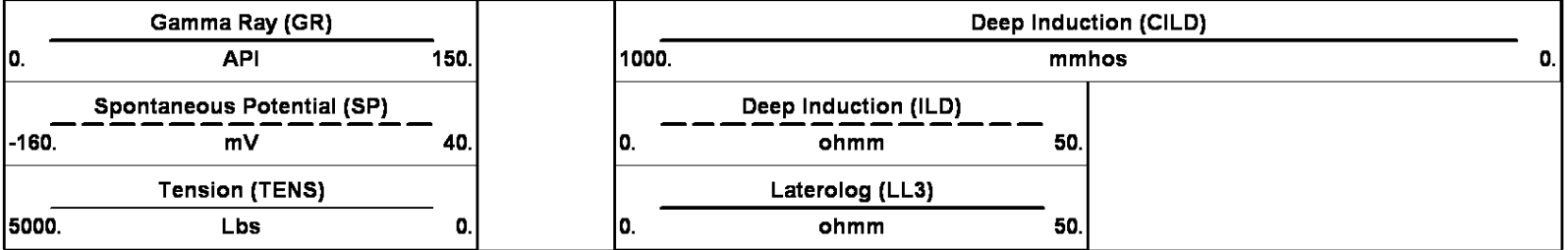
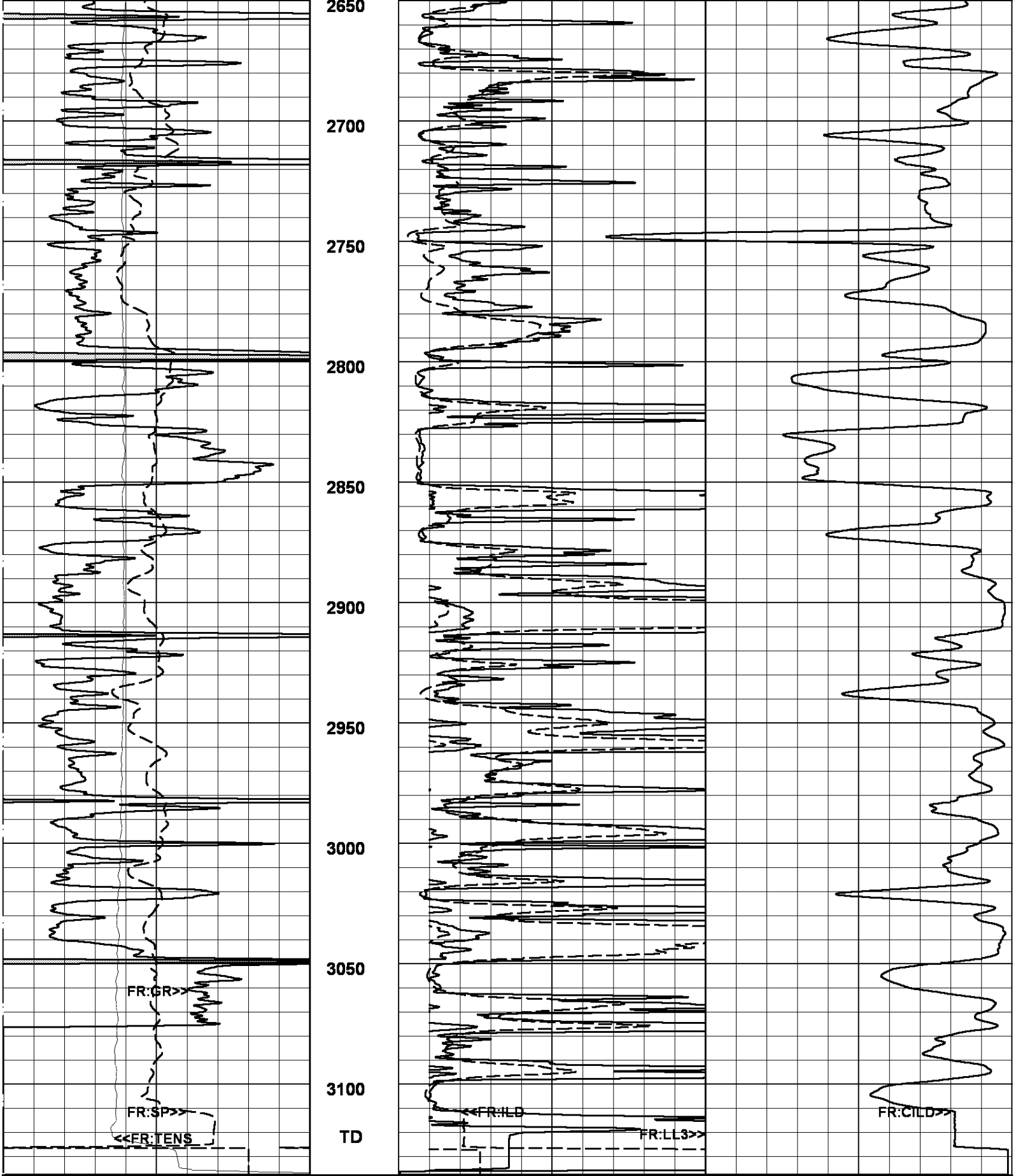
Log UP - (VER 11.19)
End Depth=> 249.75 Feet

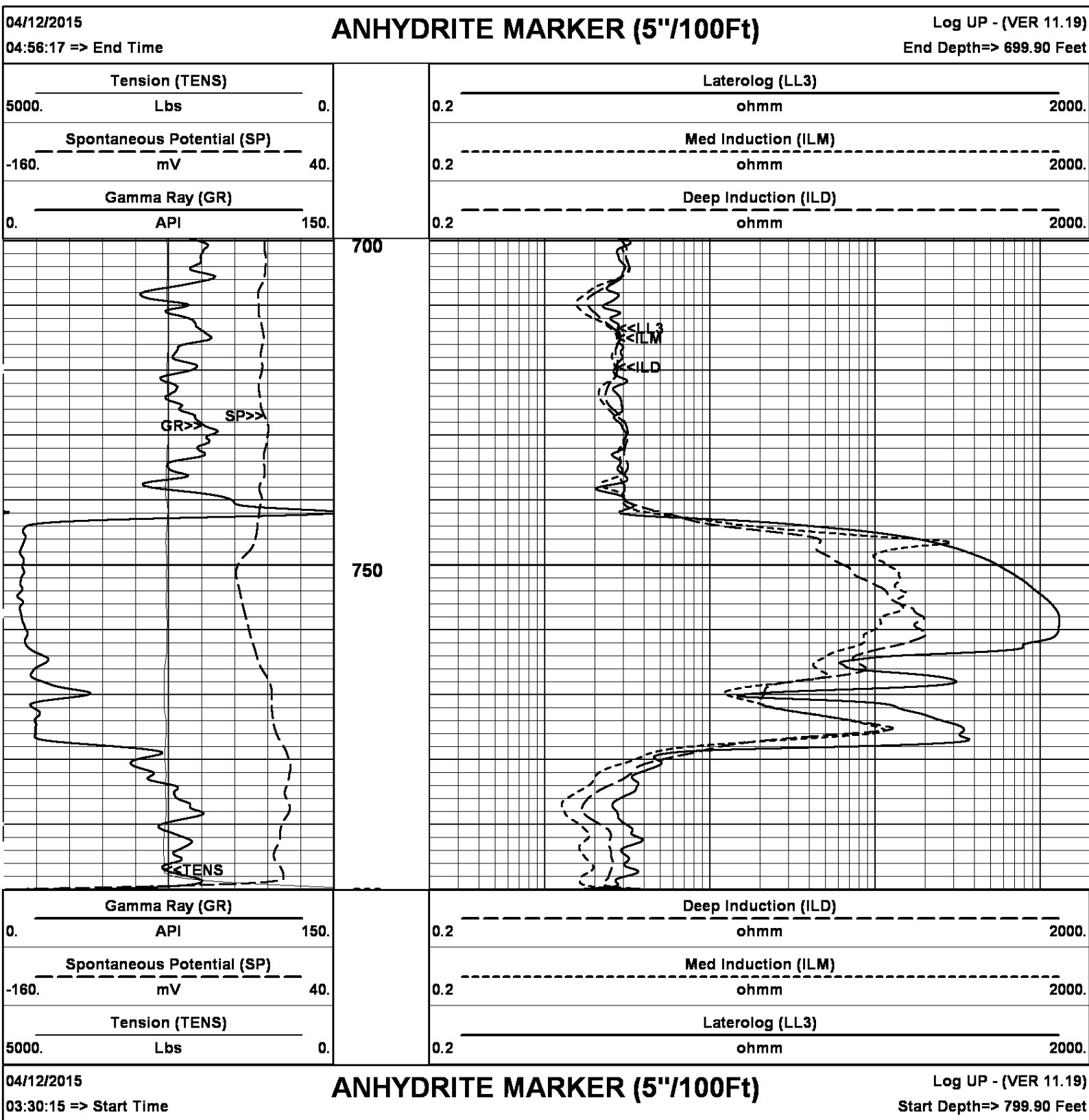


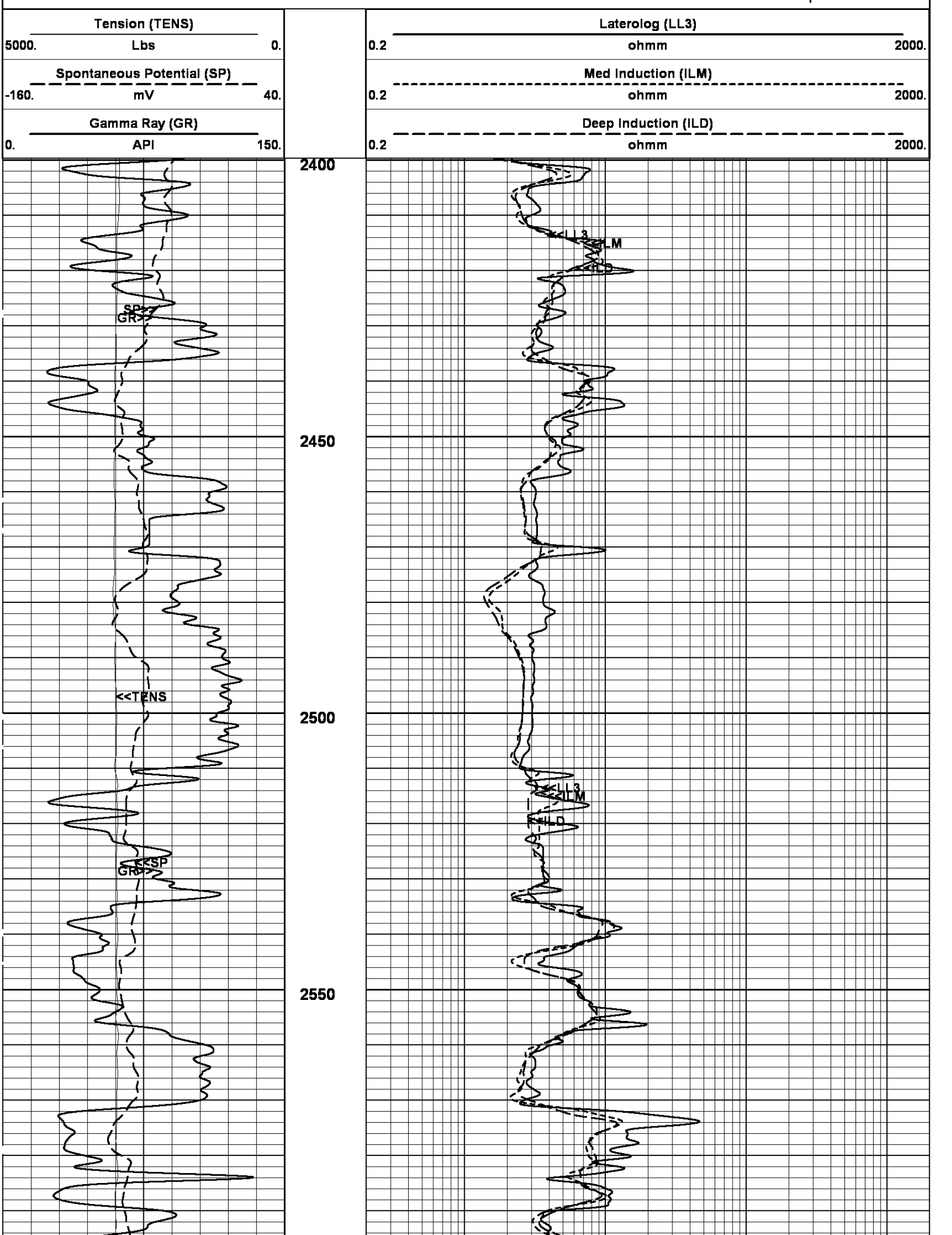


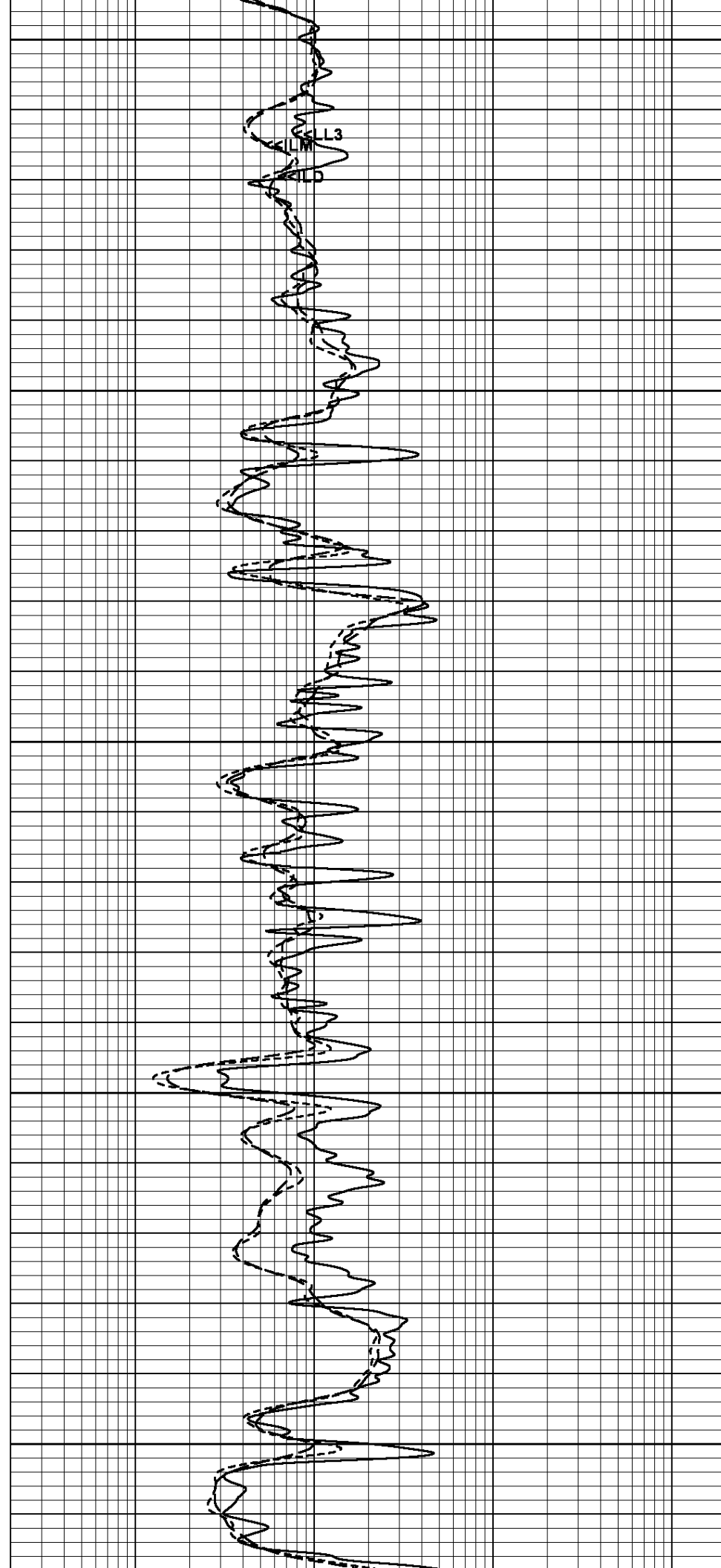
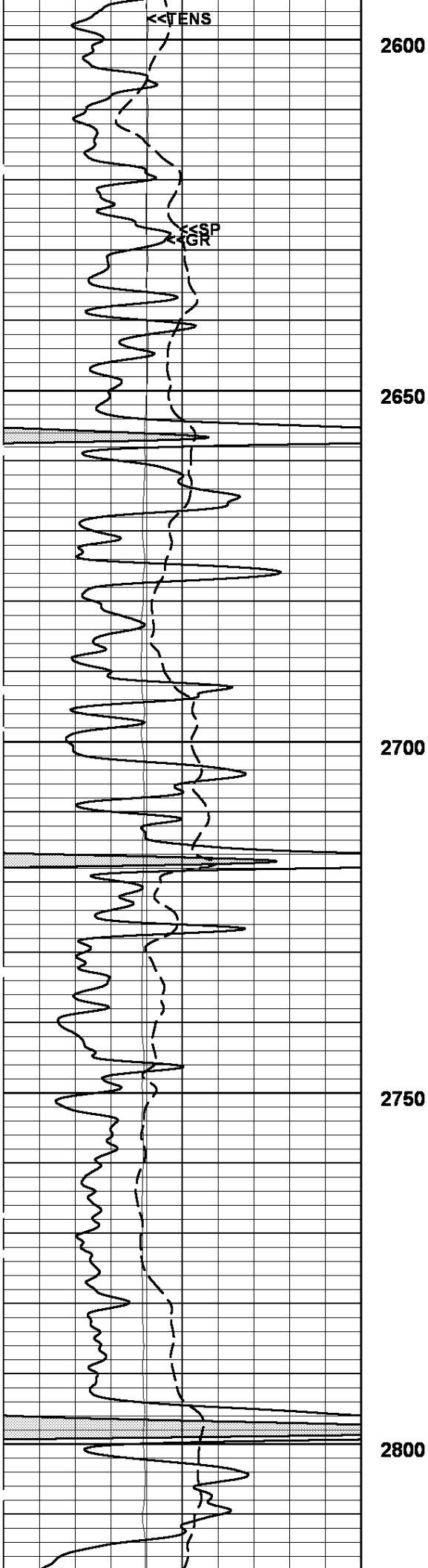


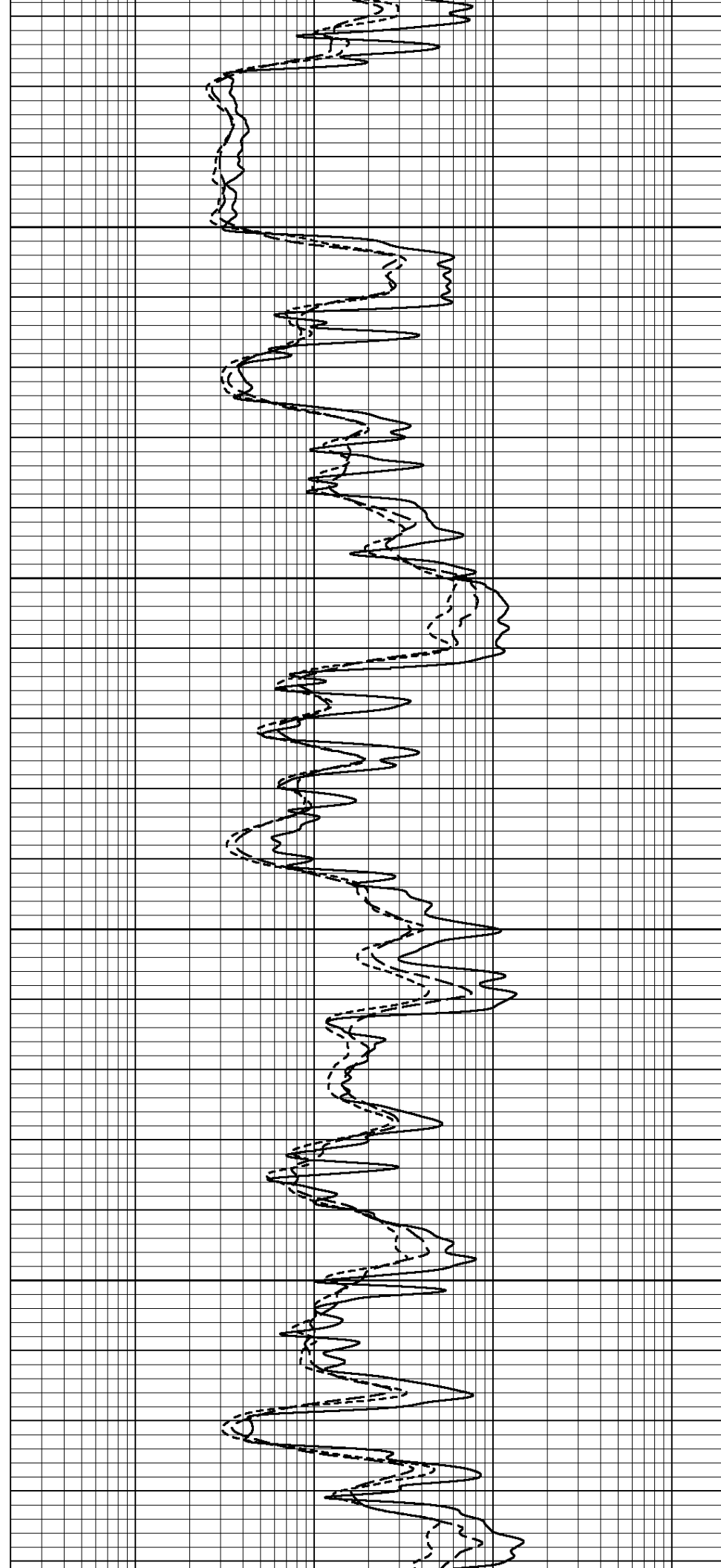
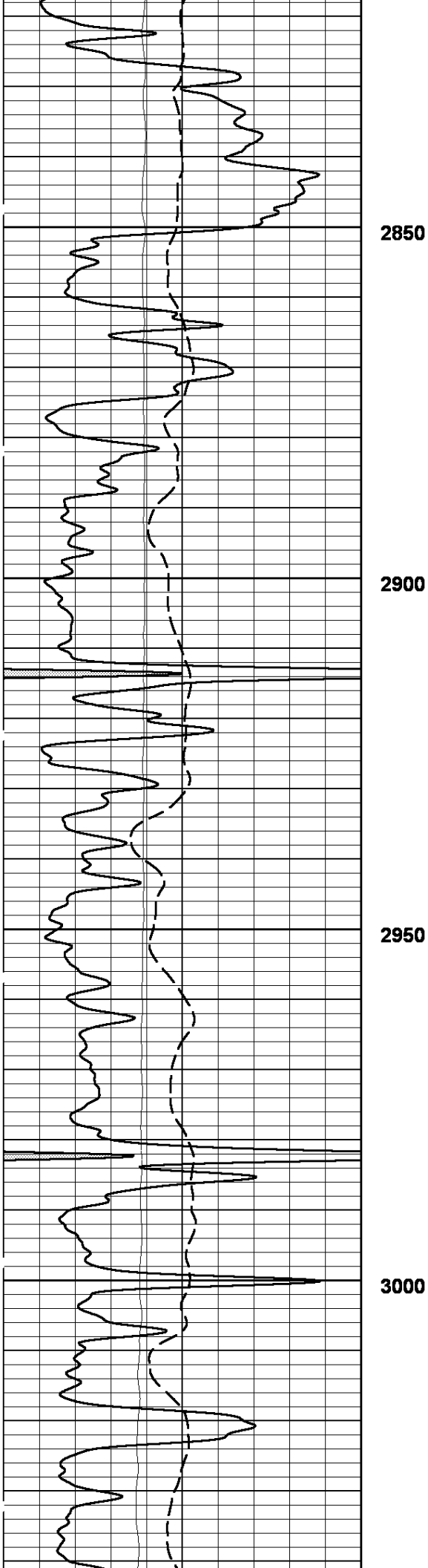


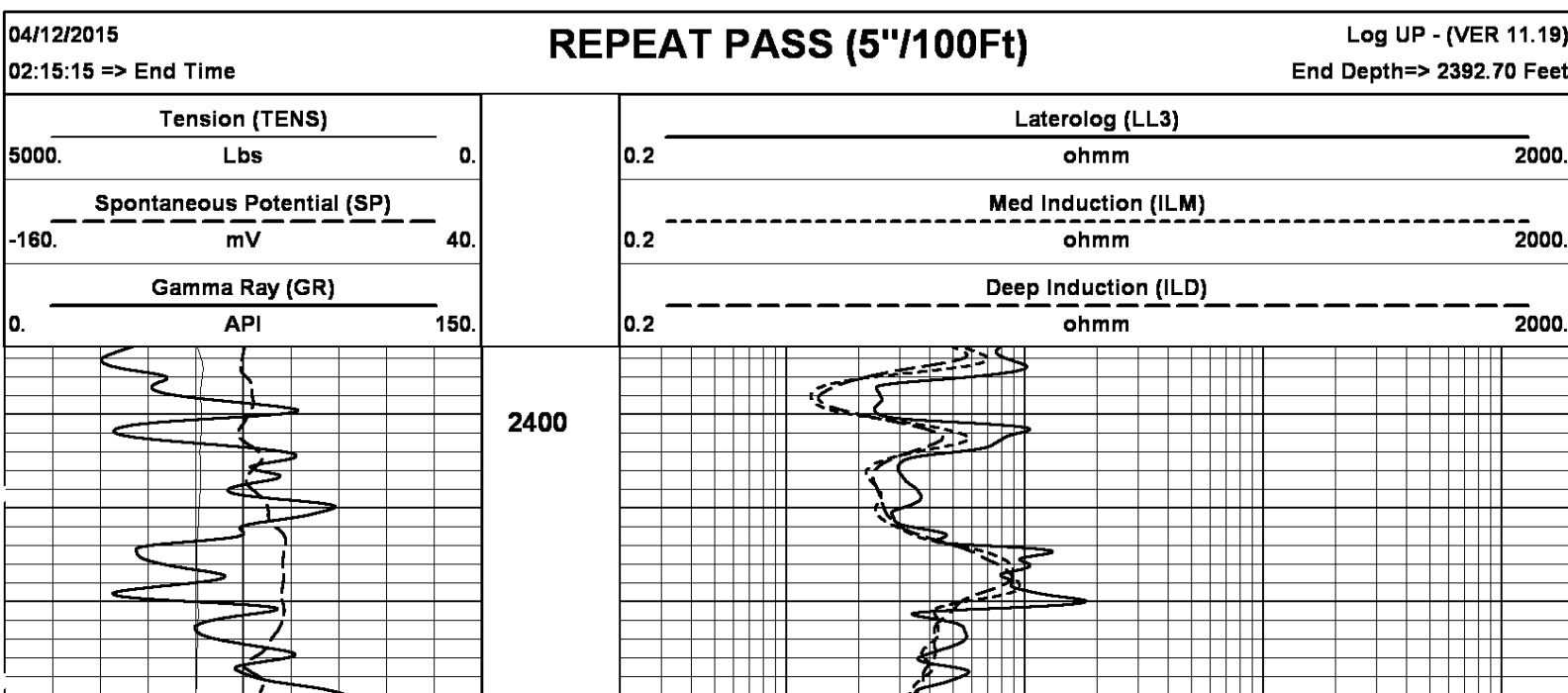
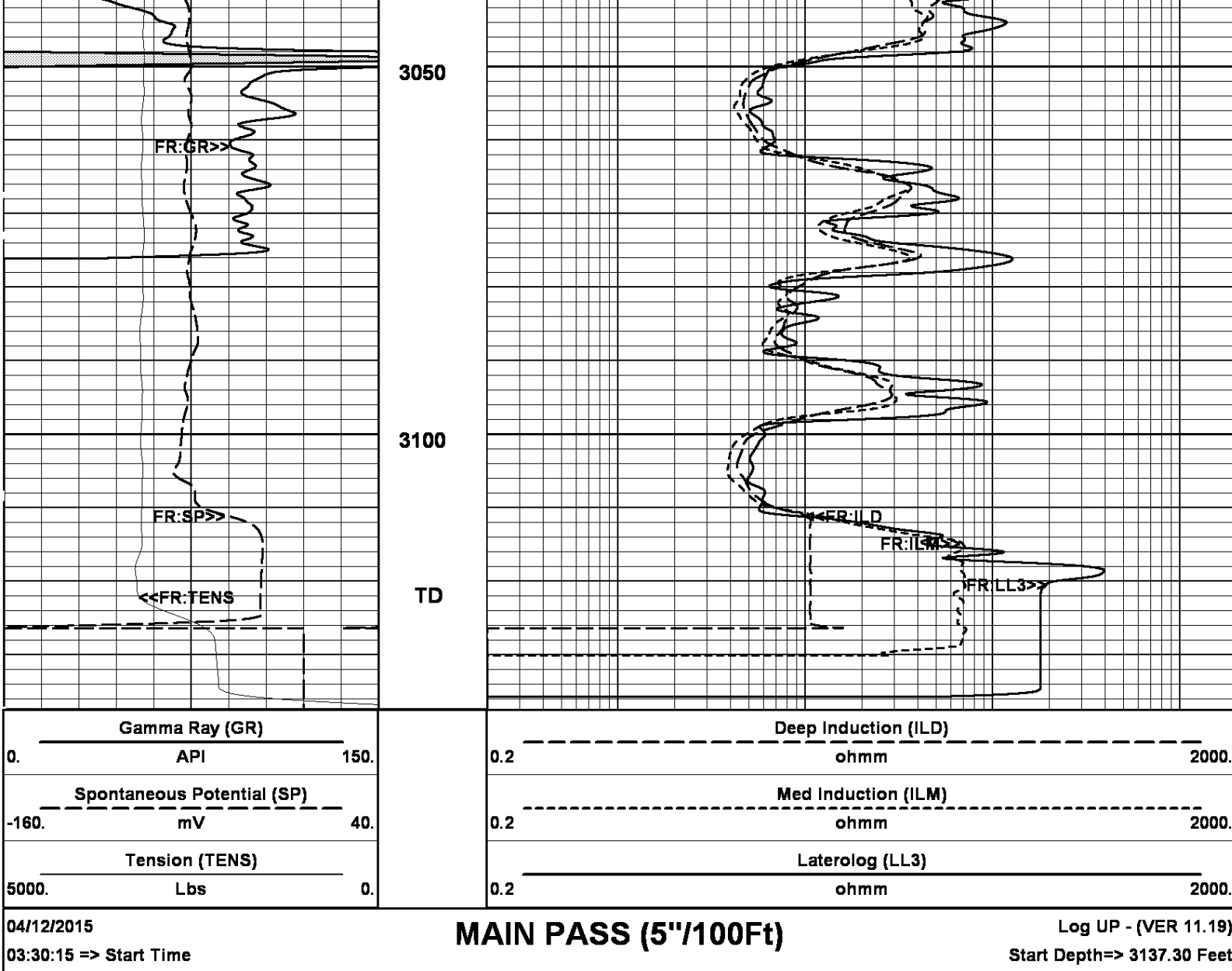


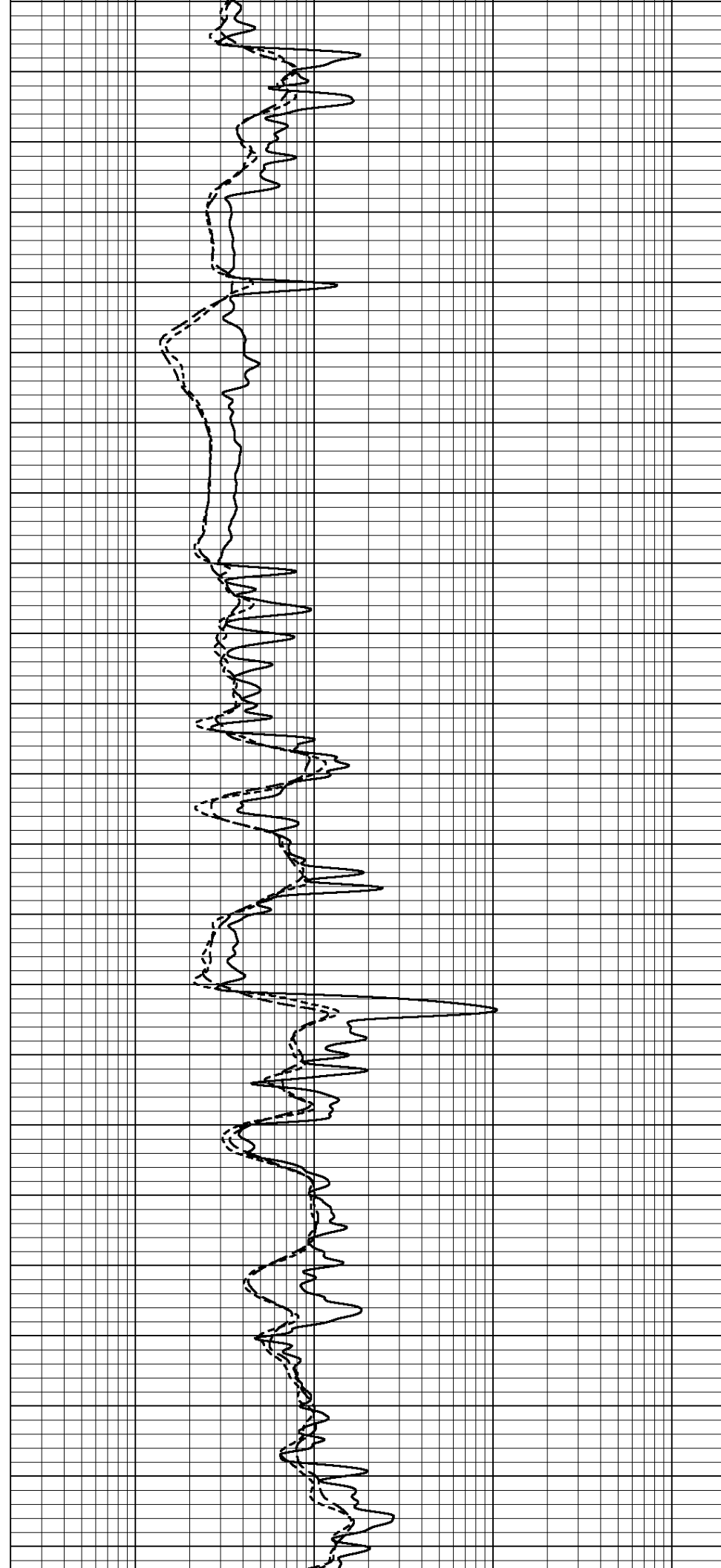
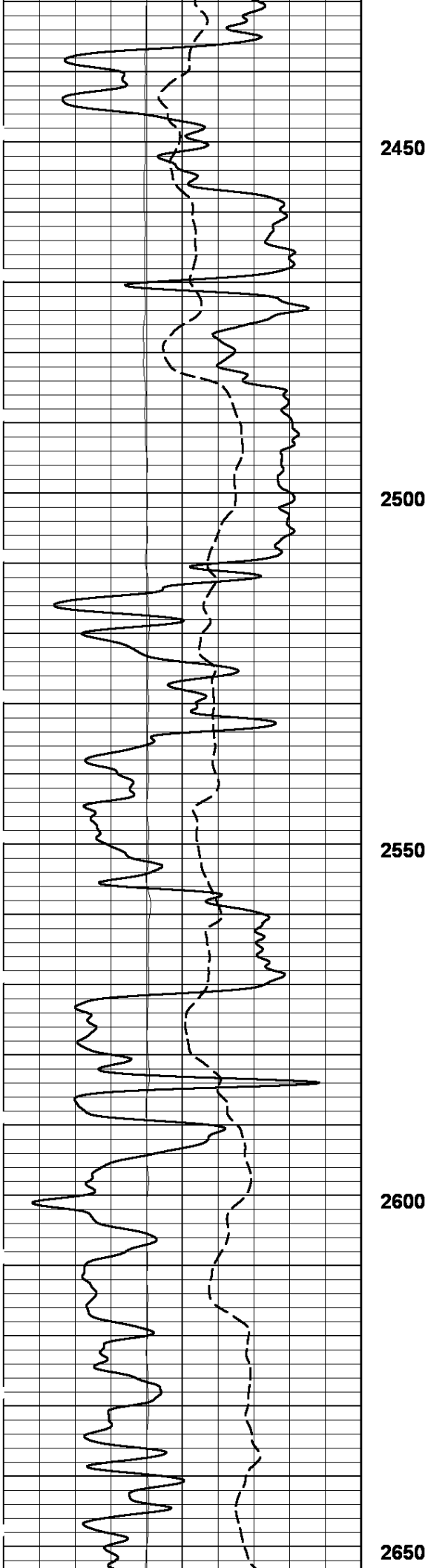


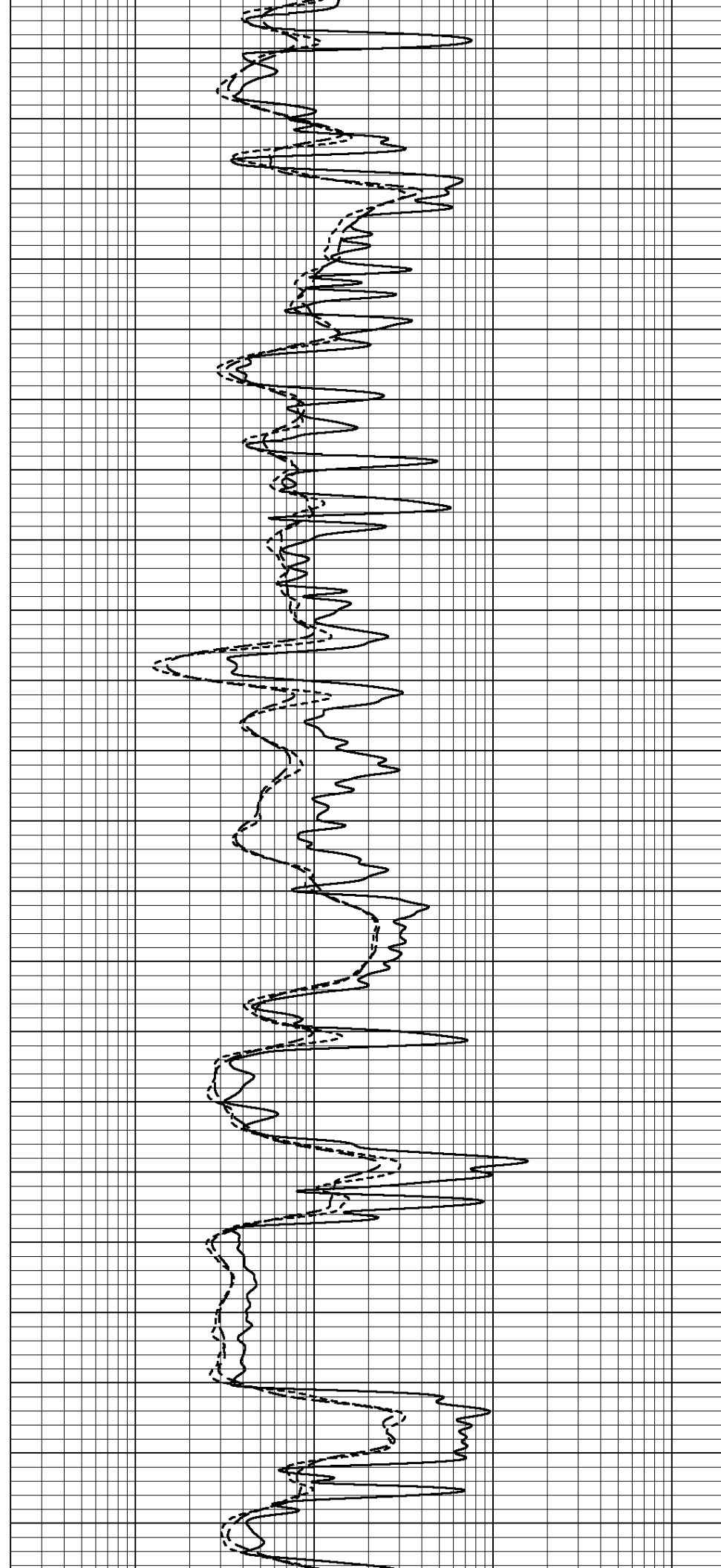
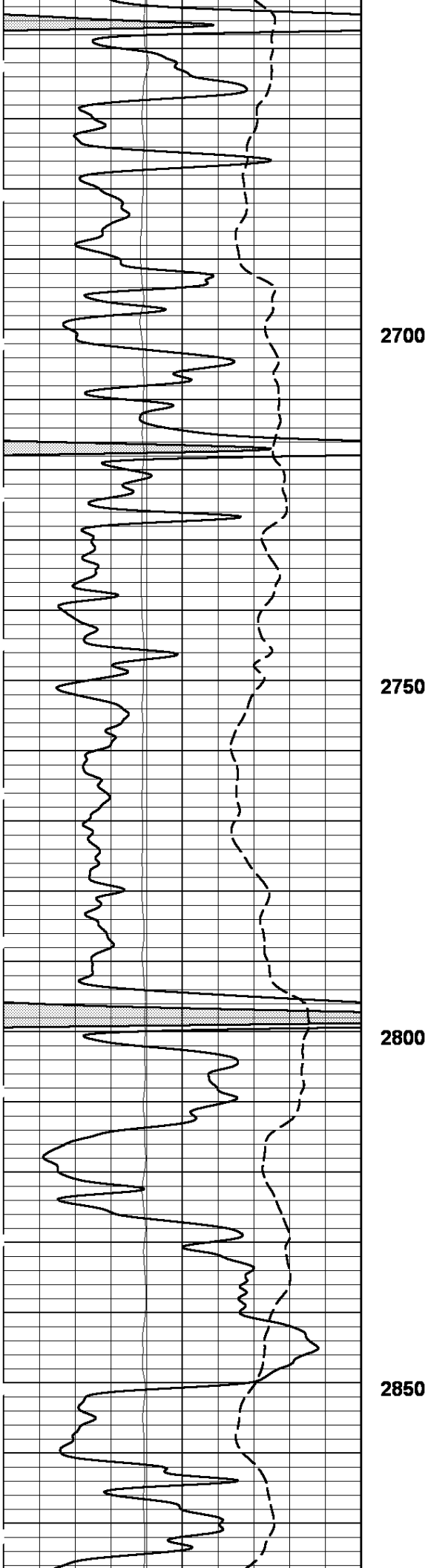


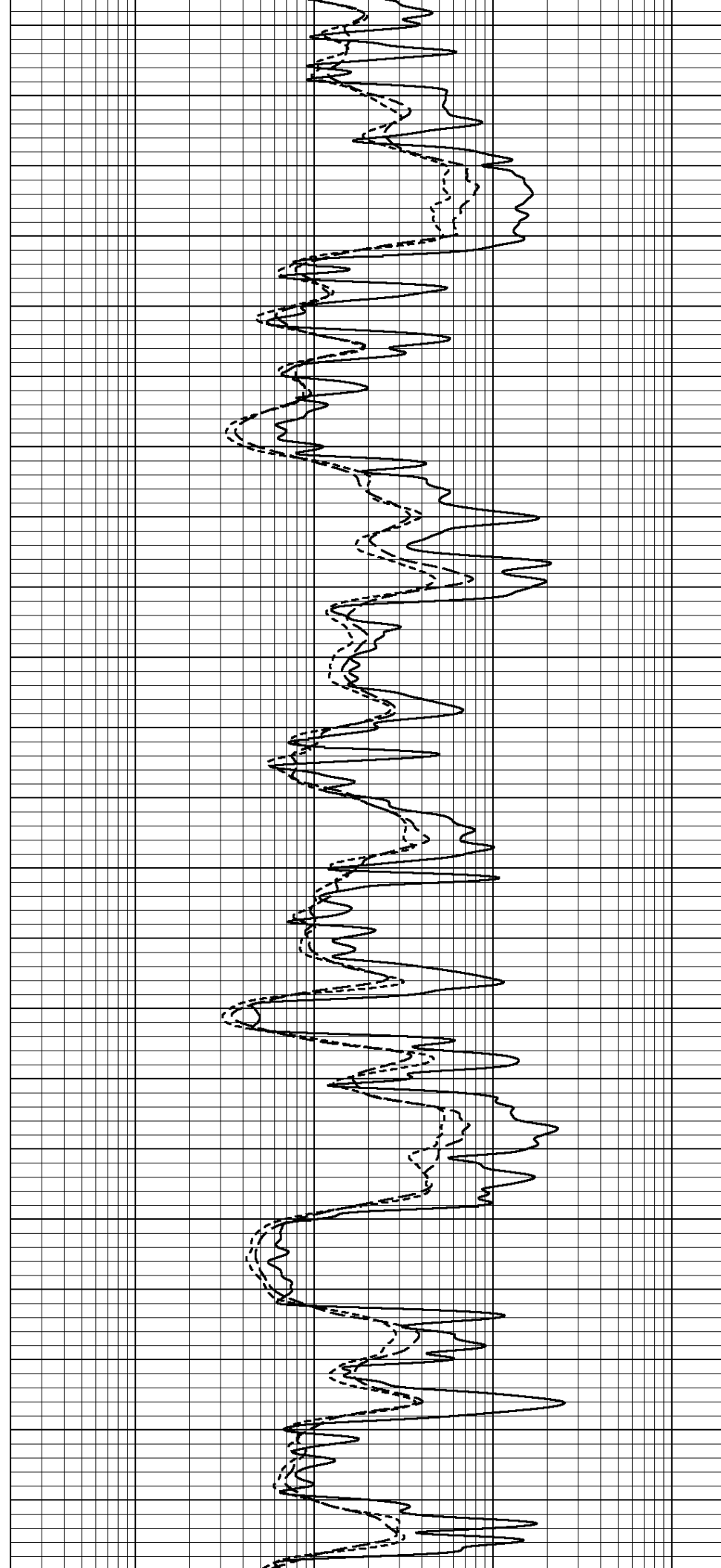
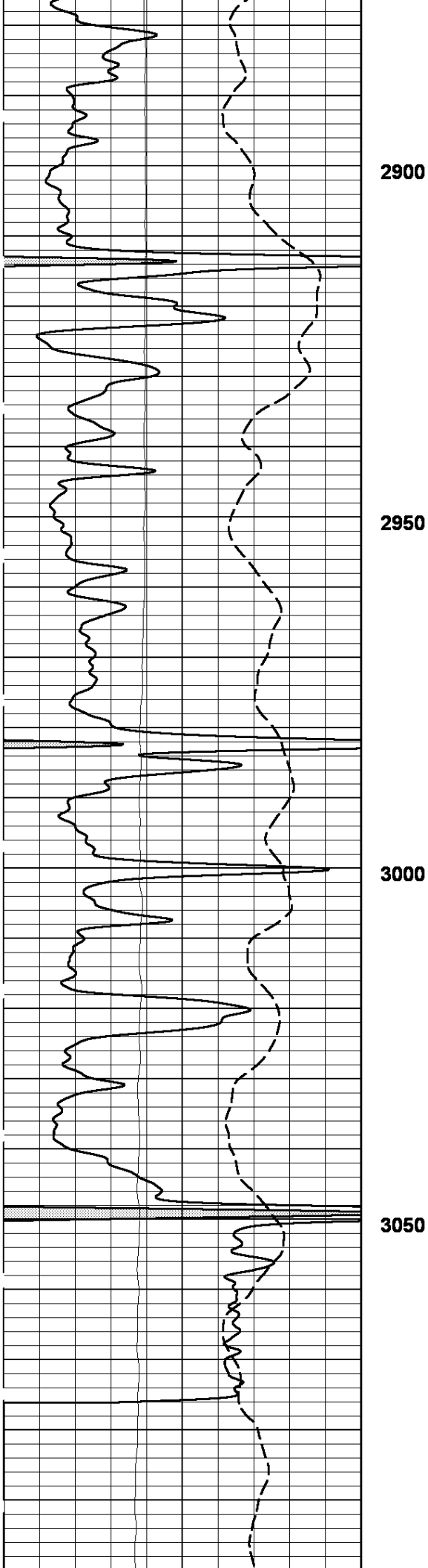


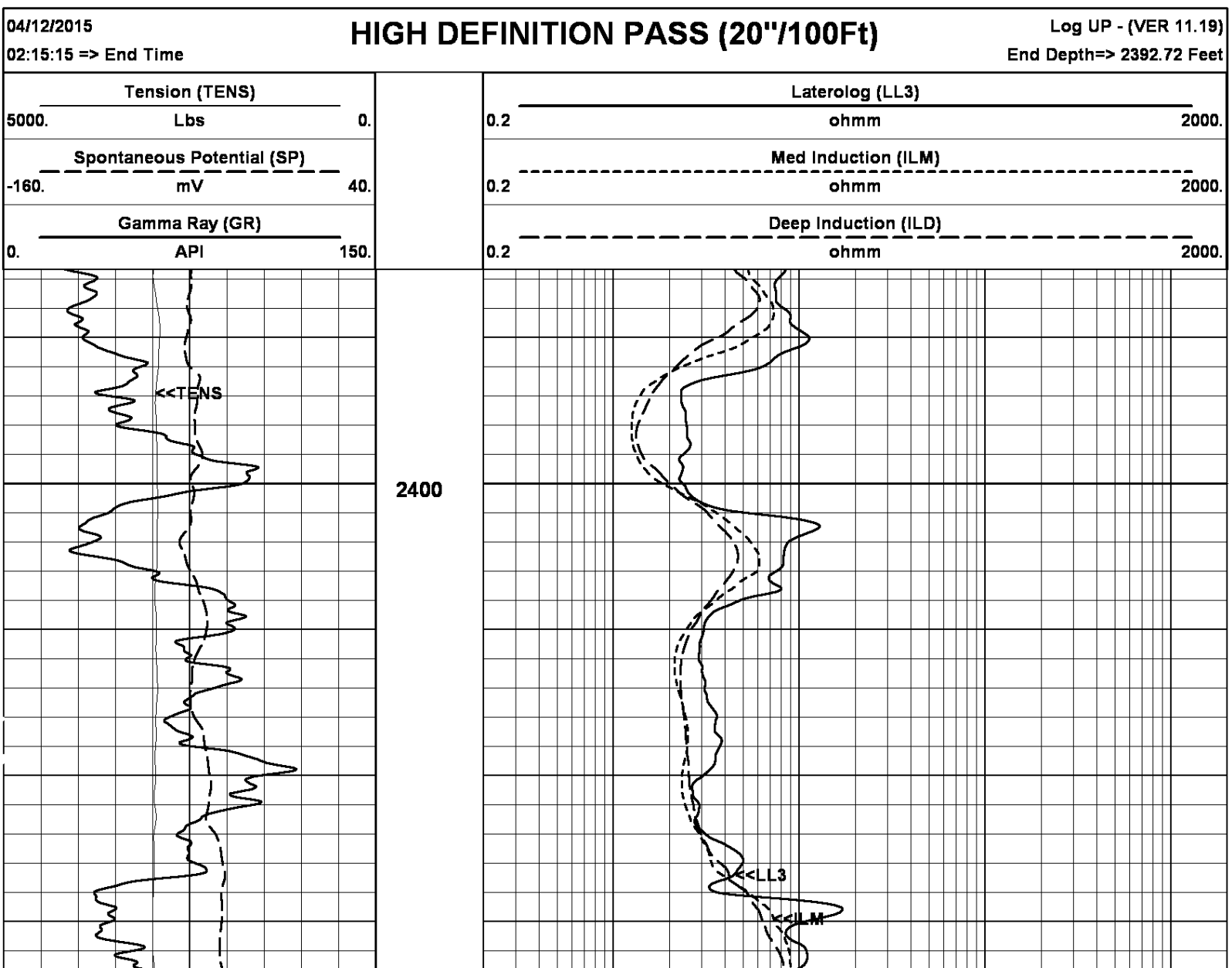
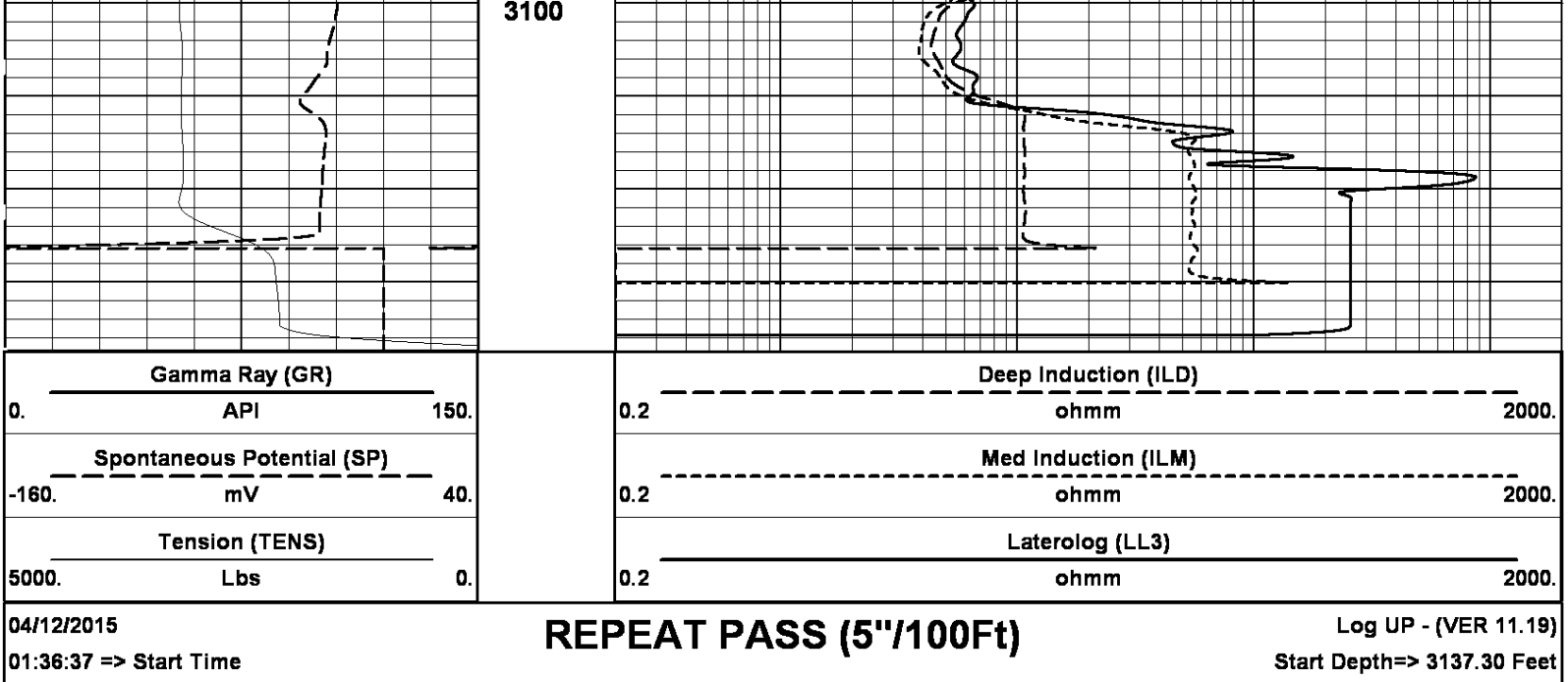


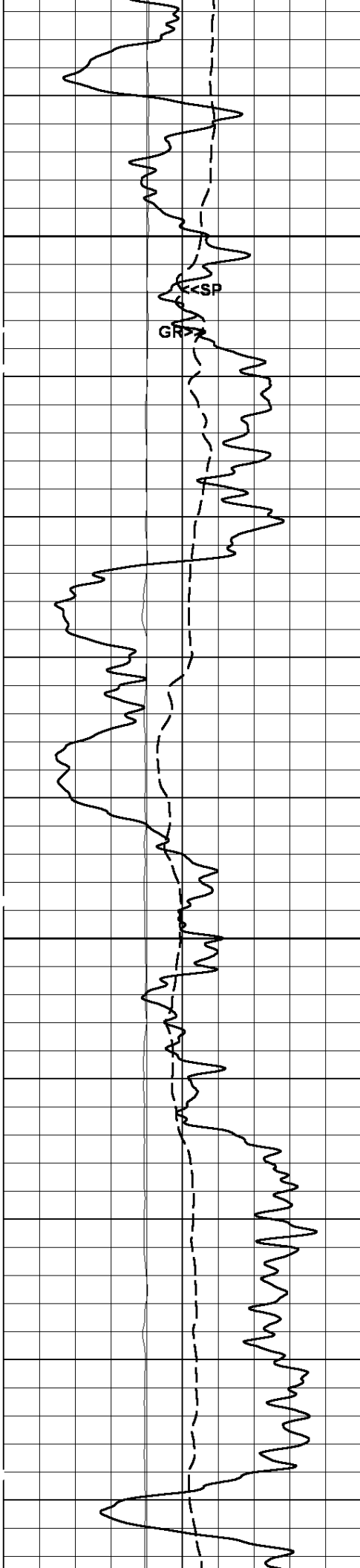






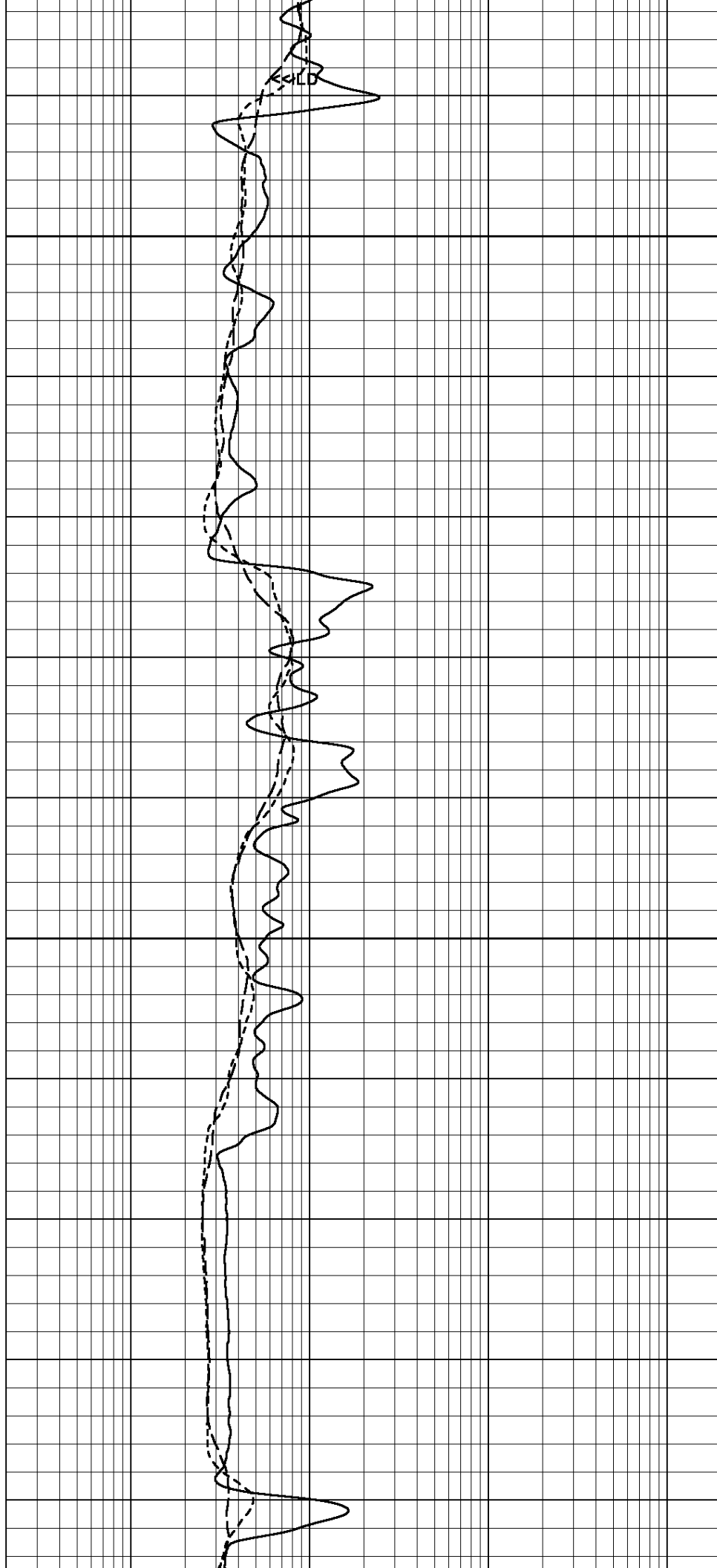






2425

2450



2475

<<TENS

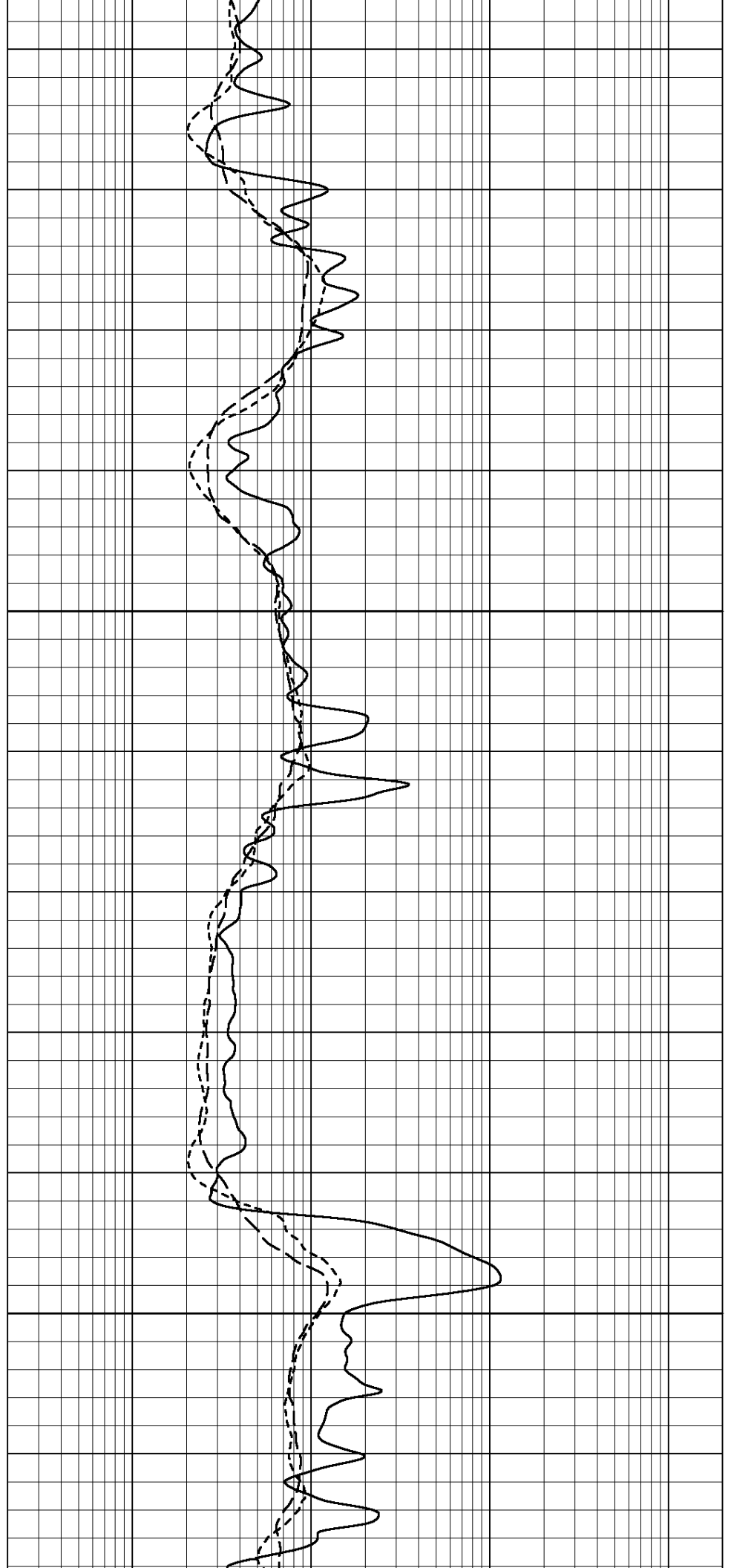
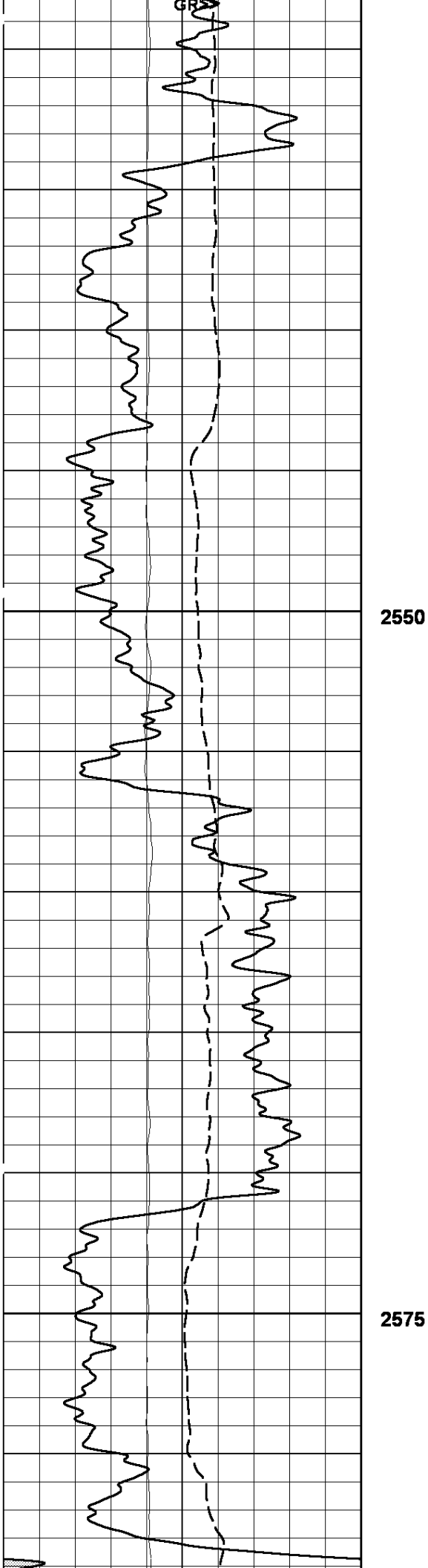
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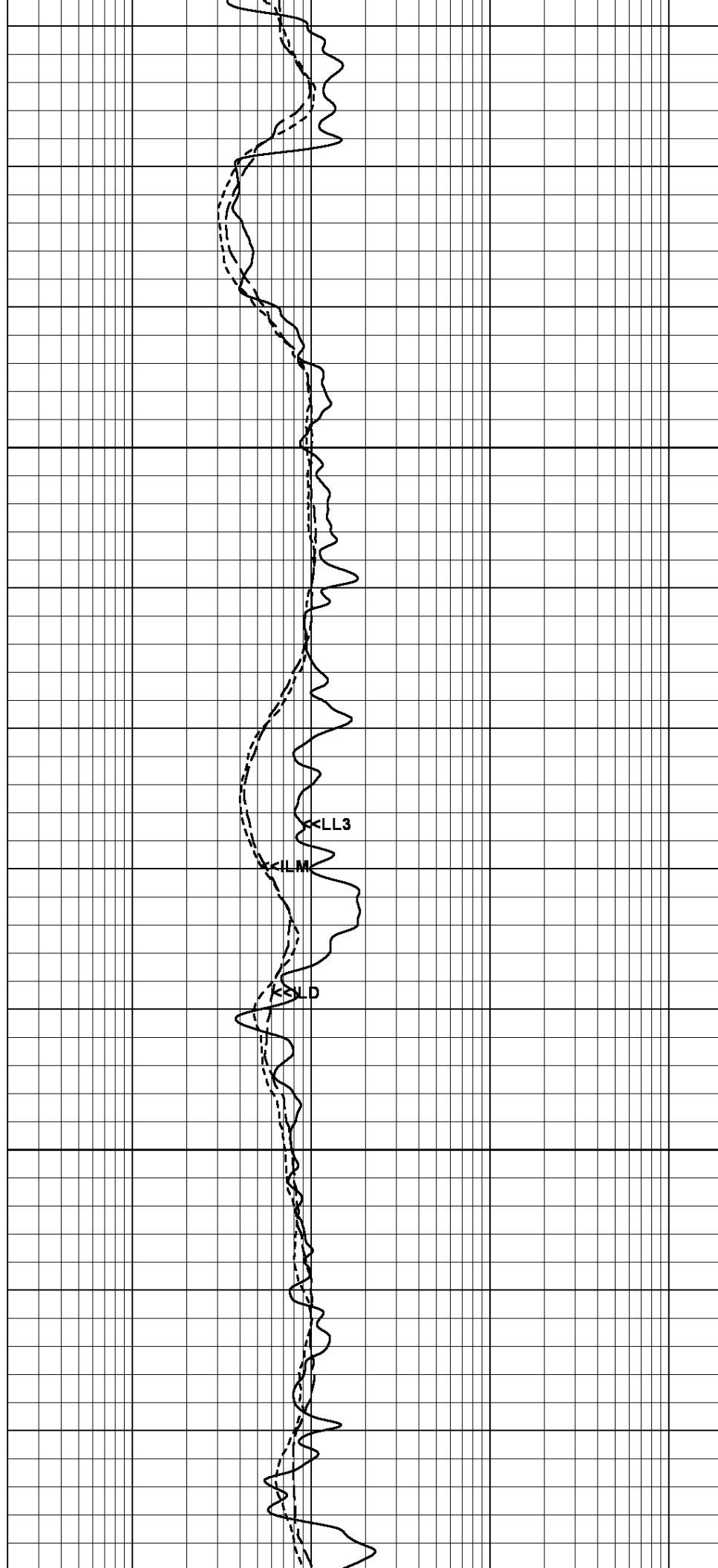
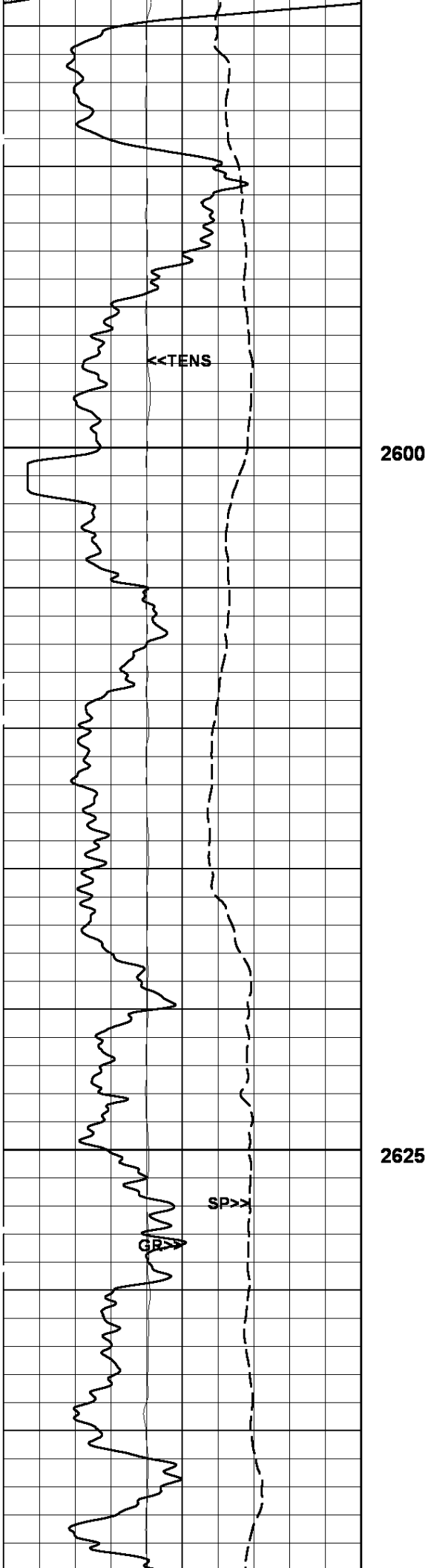
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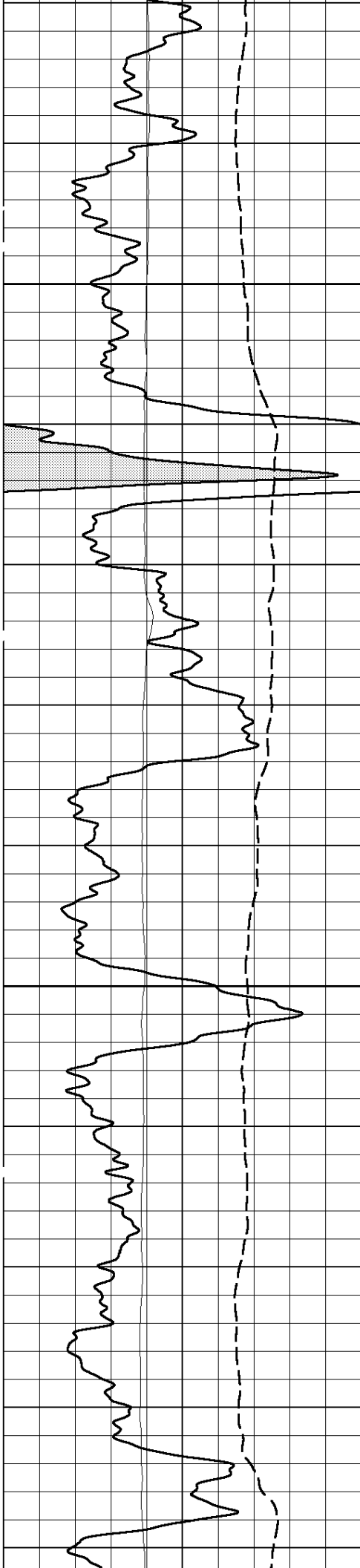
<<LL3

<<LLM

<<LD

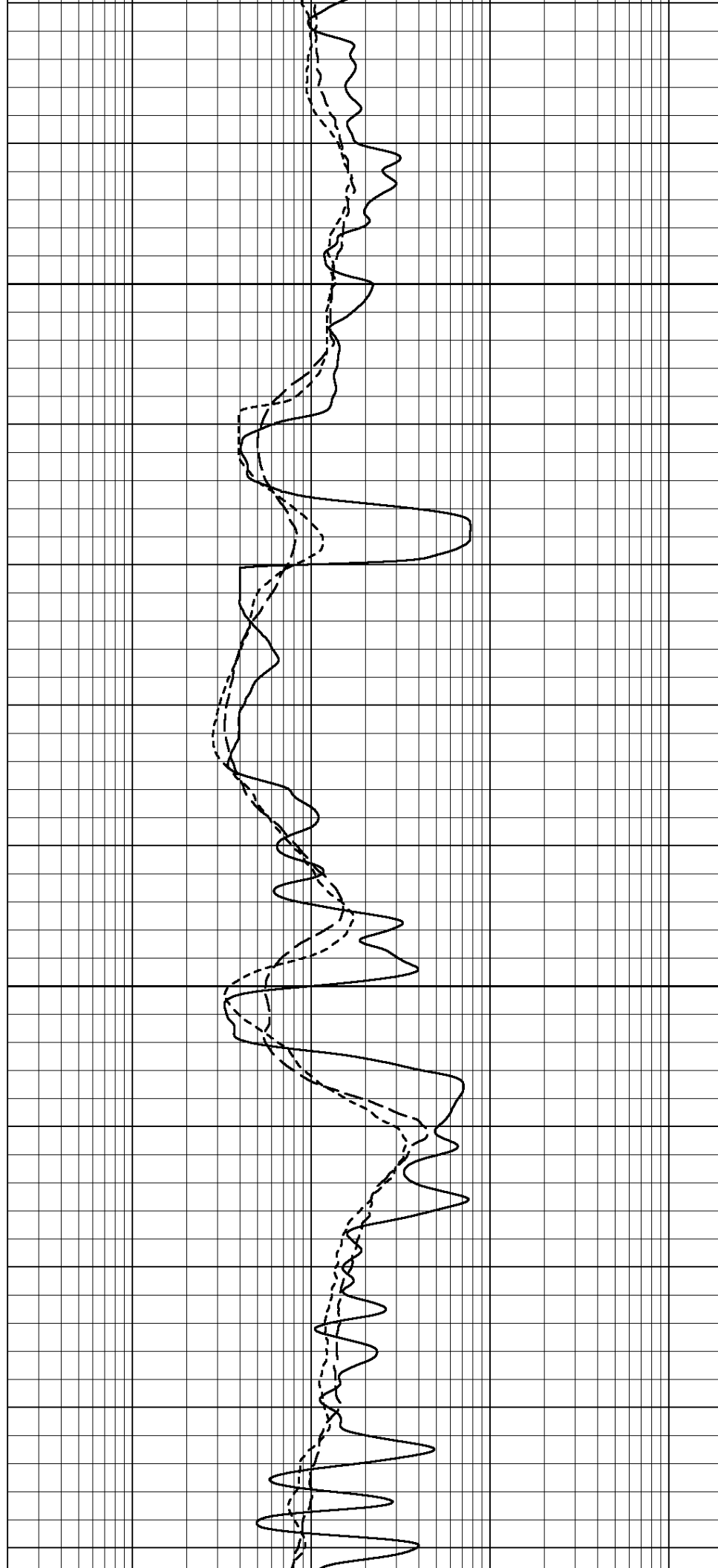


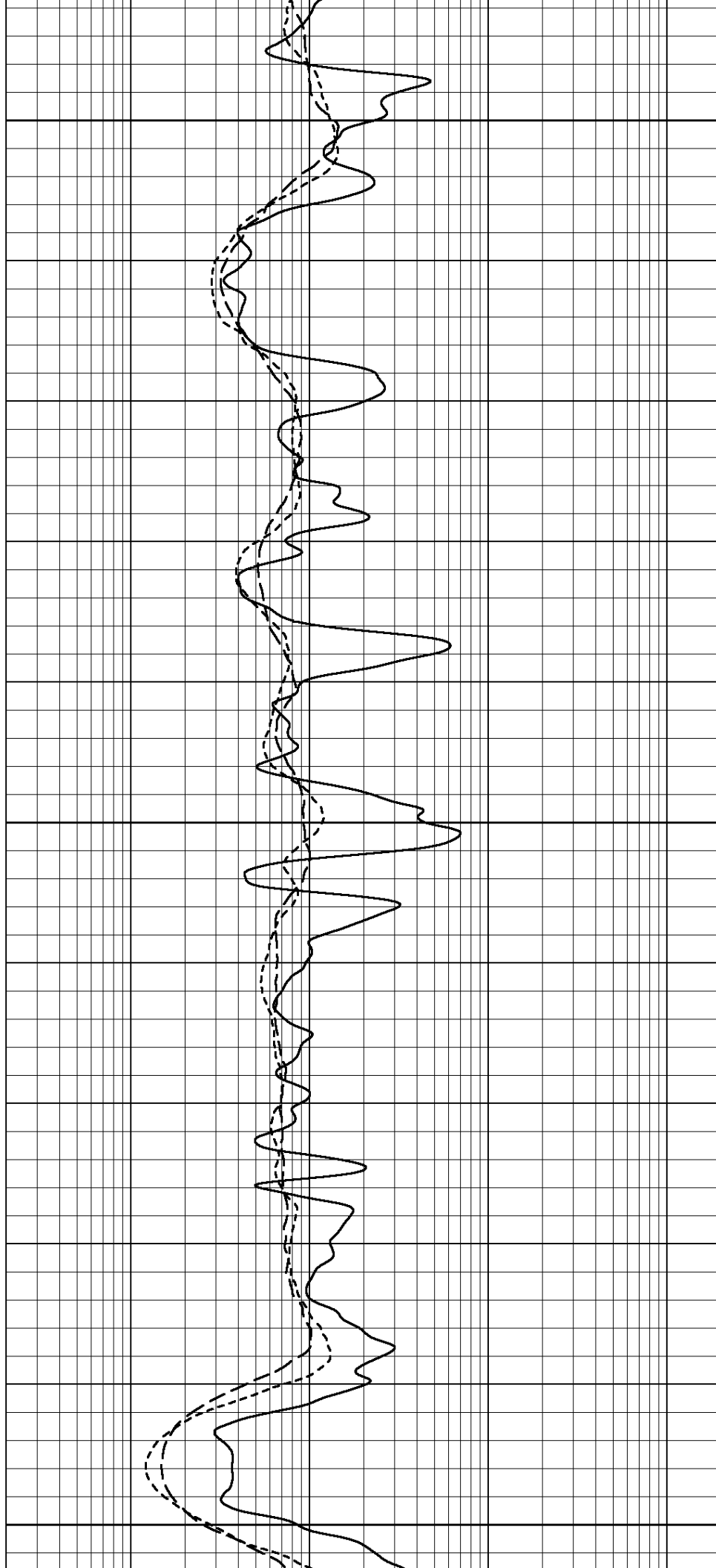
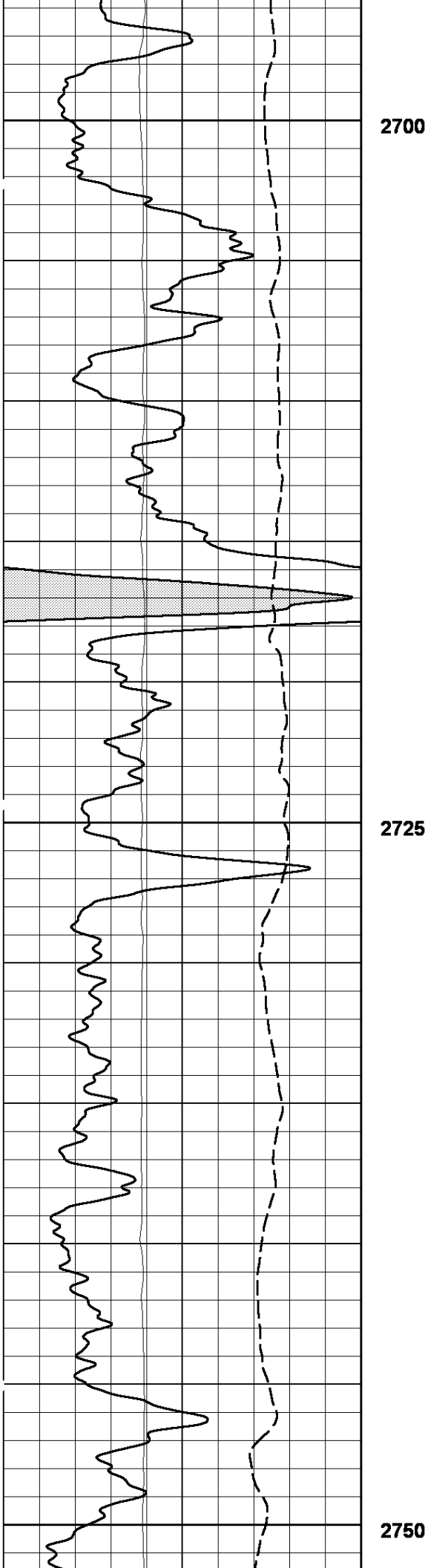


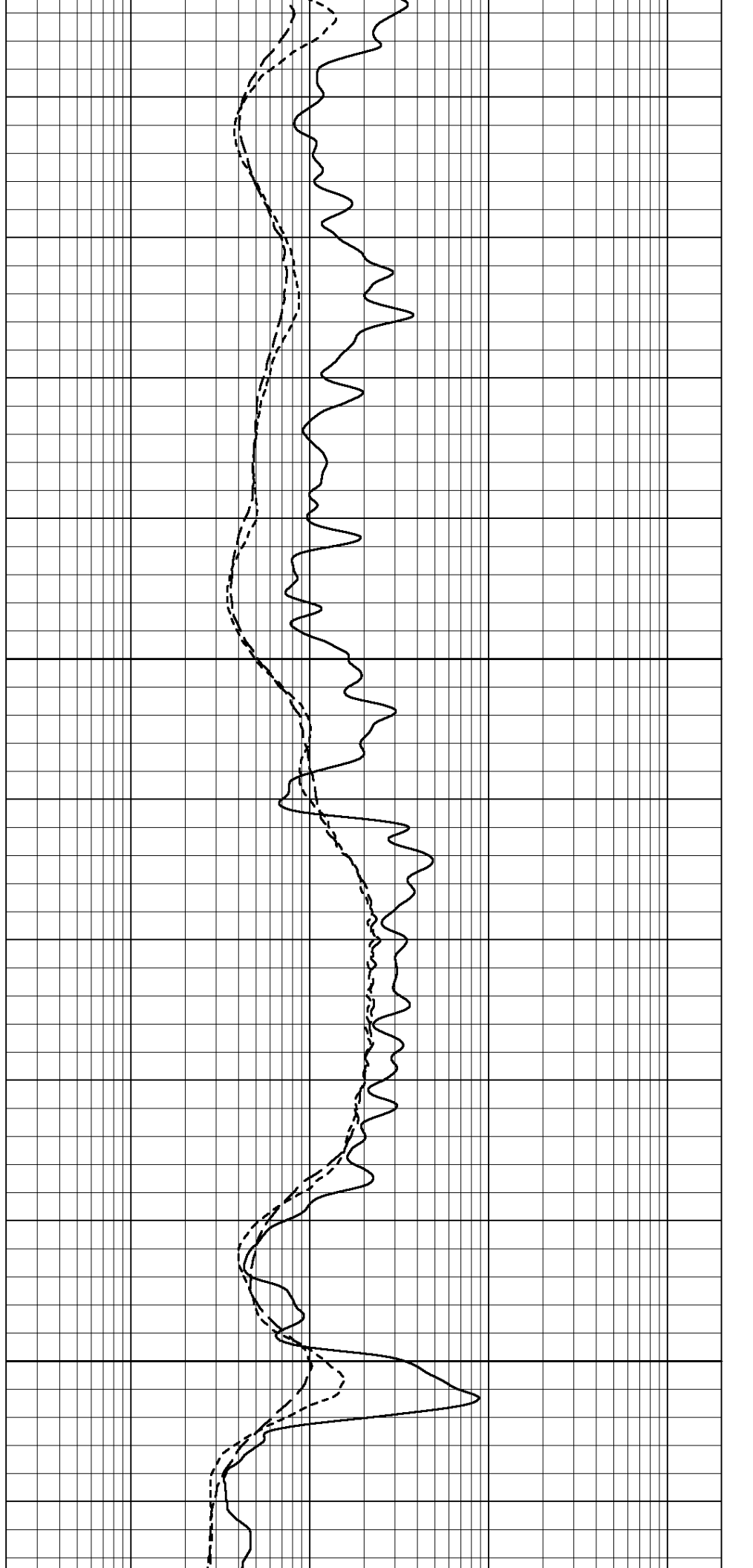
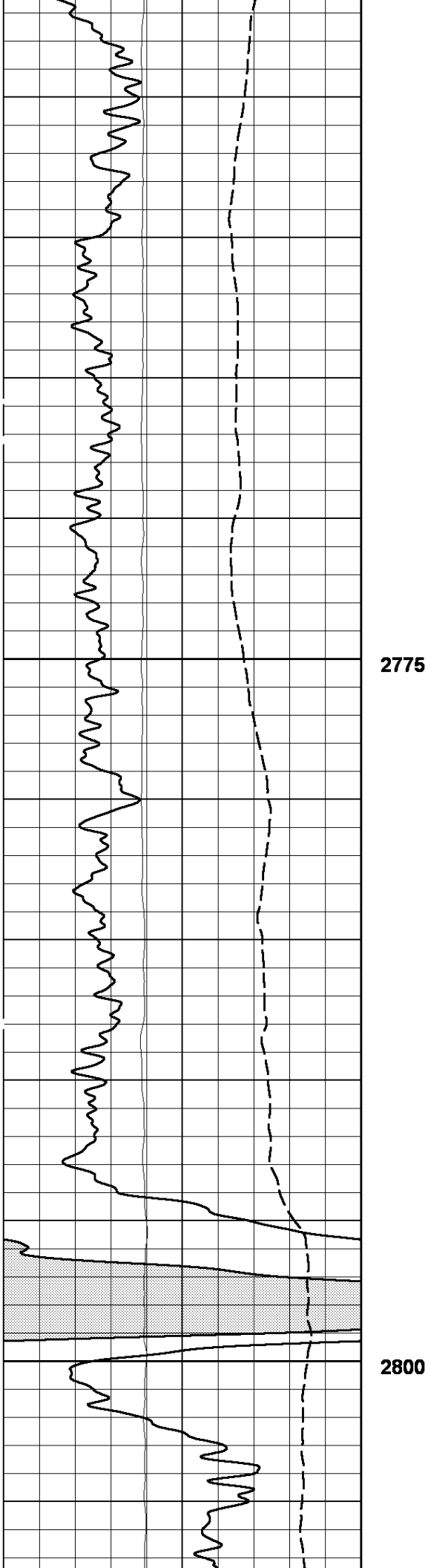


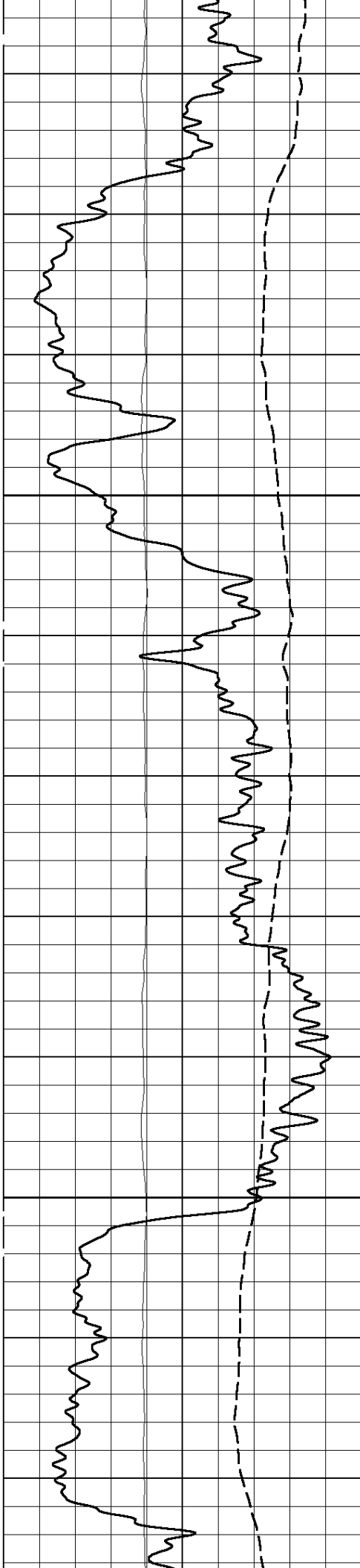
2650

2675



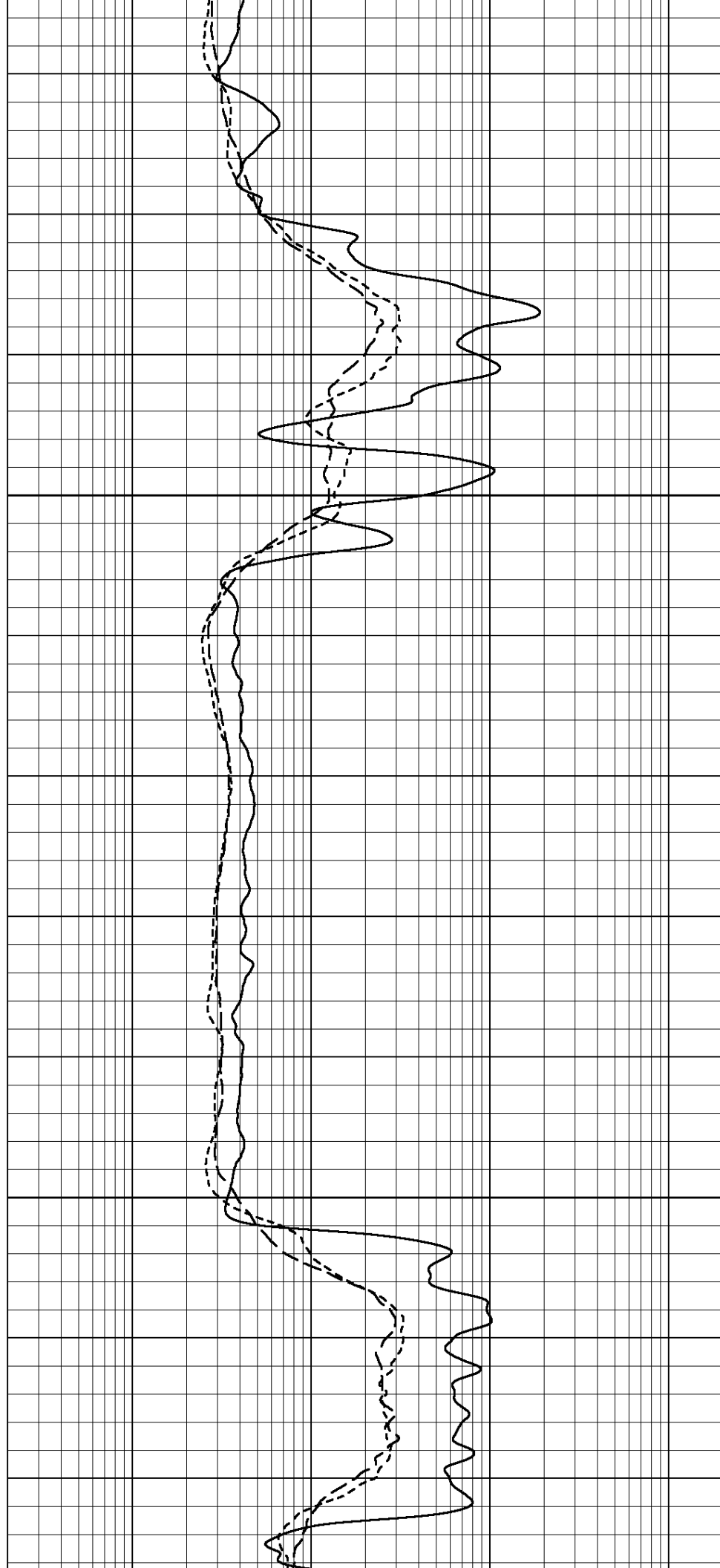


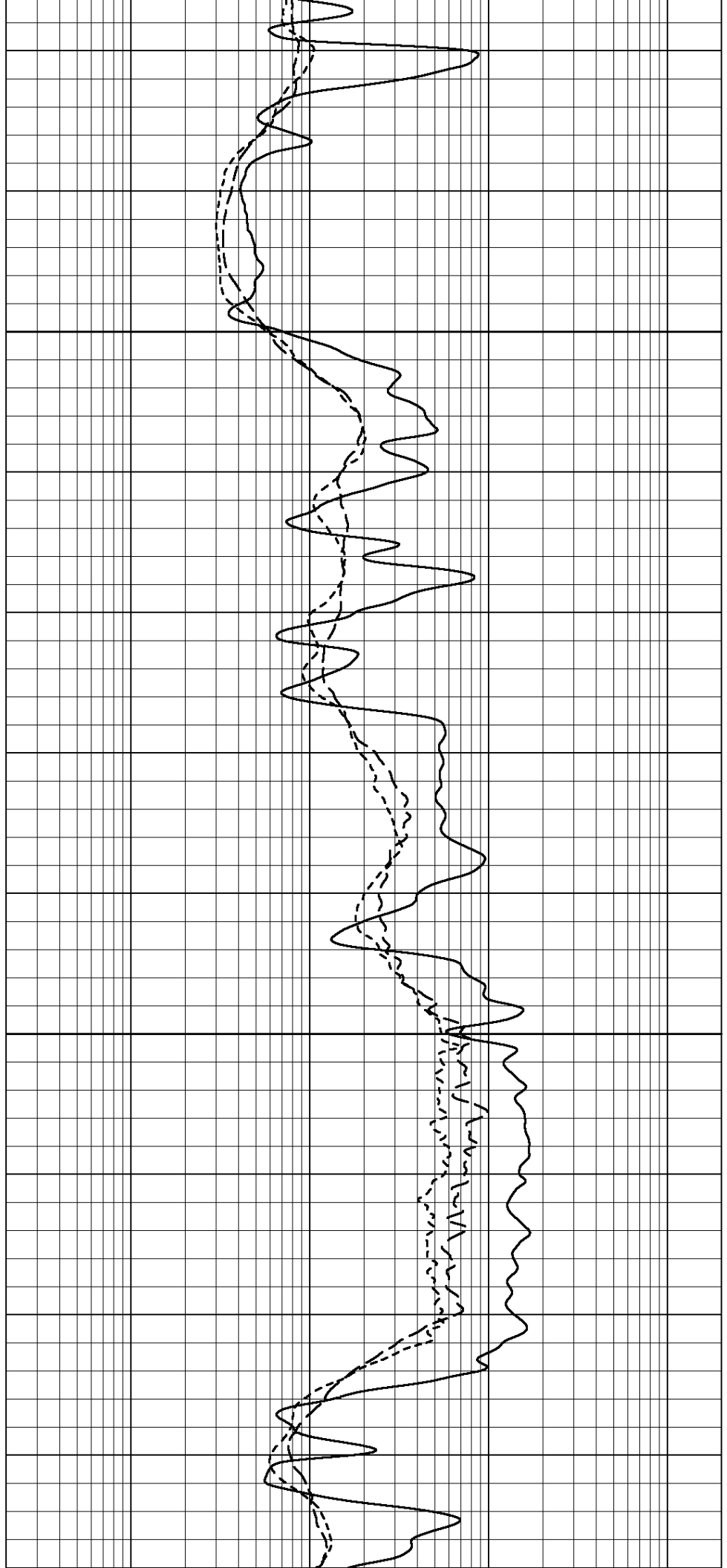
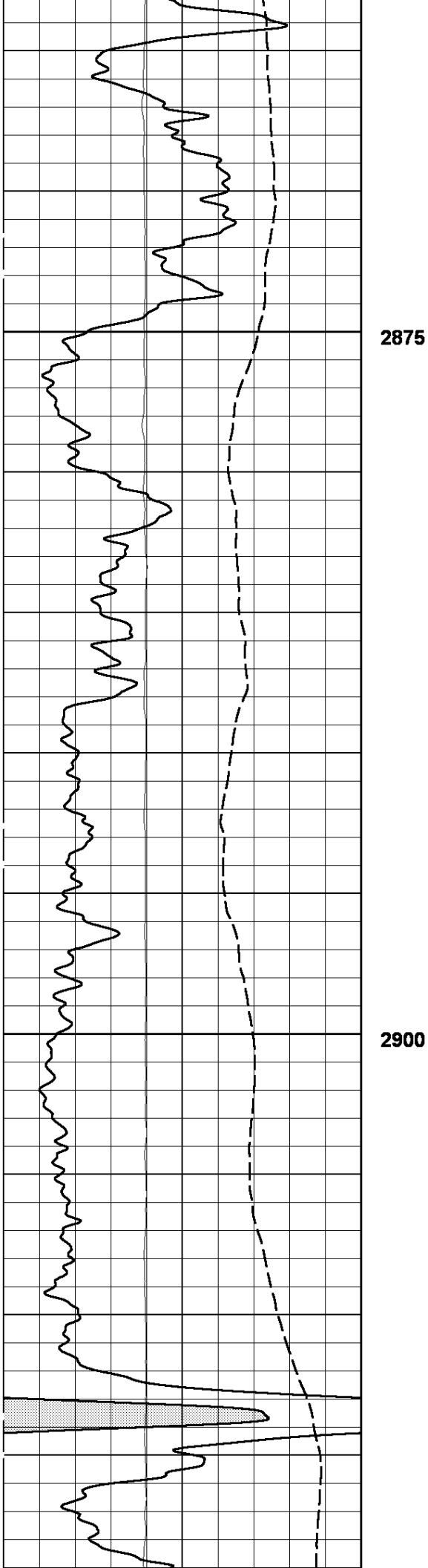


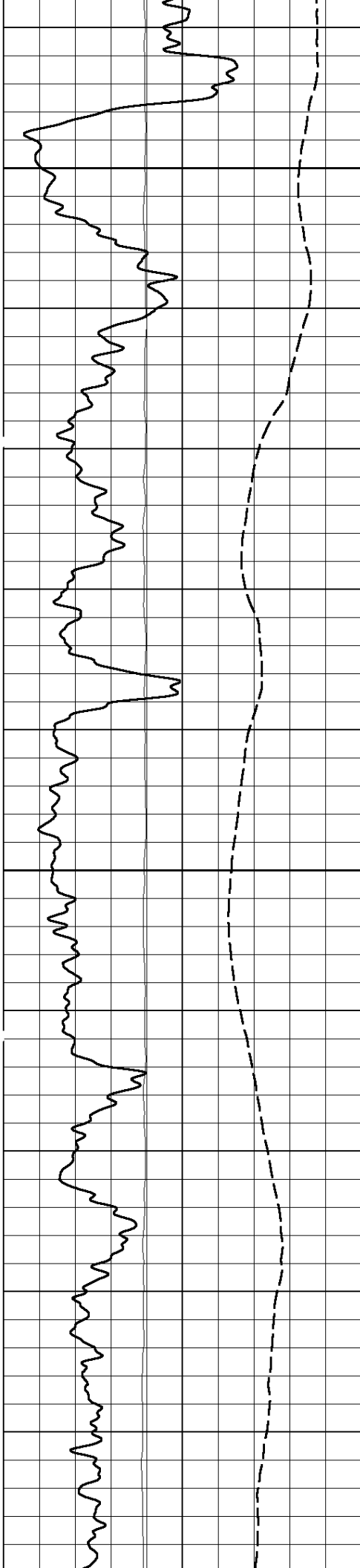


2825

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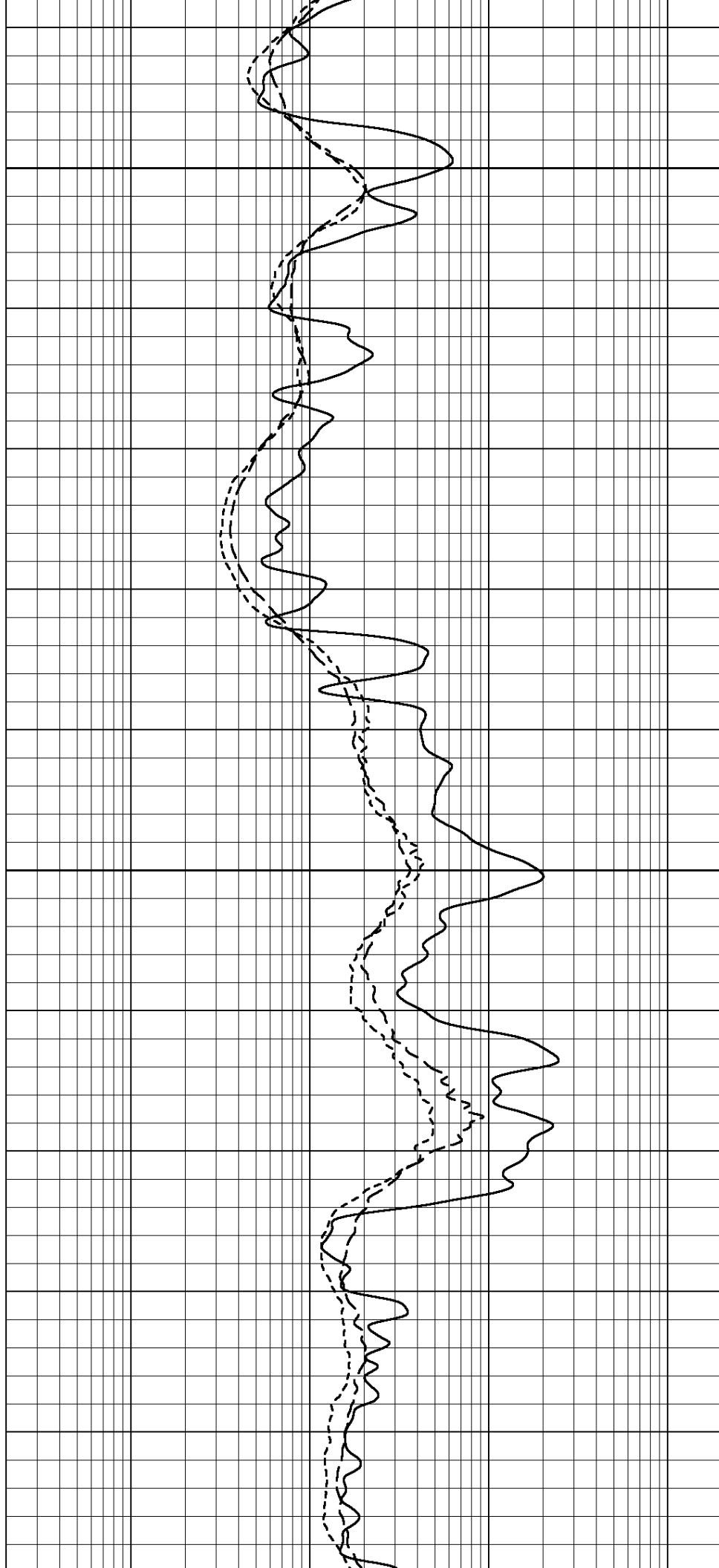


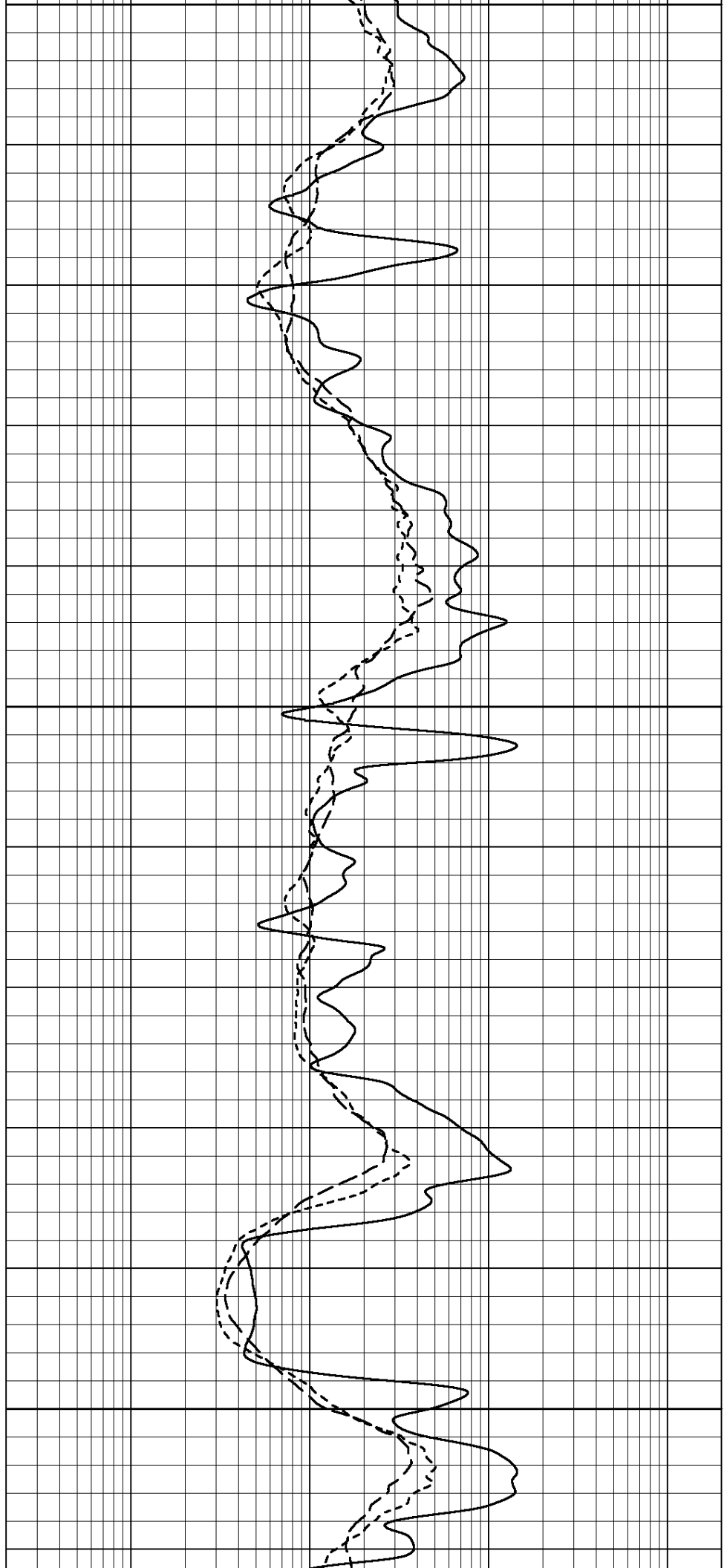
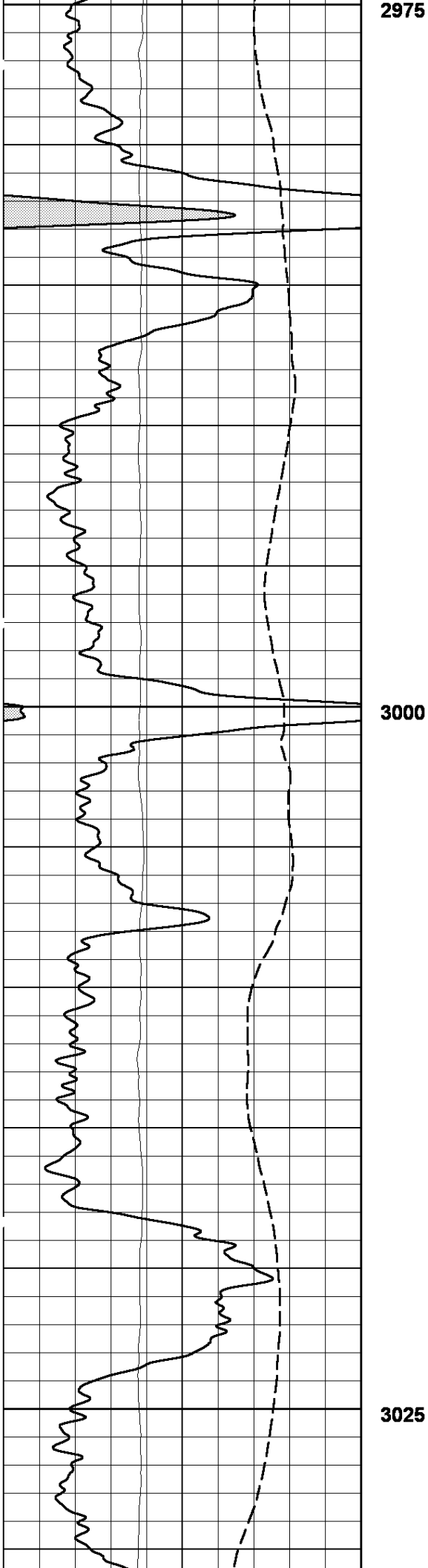


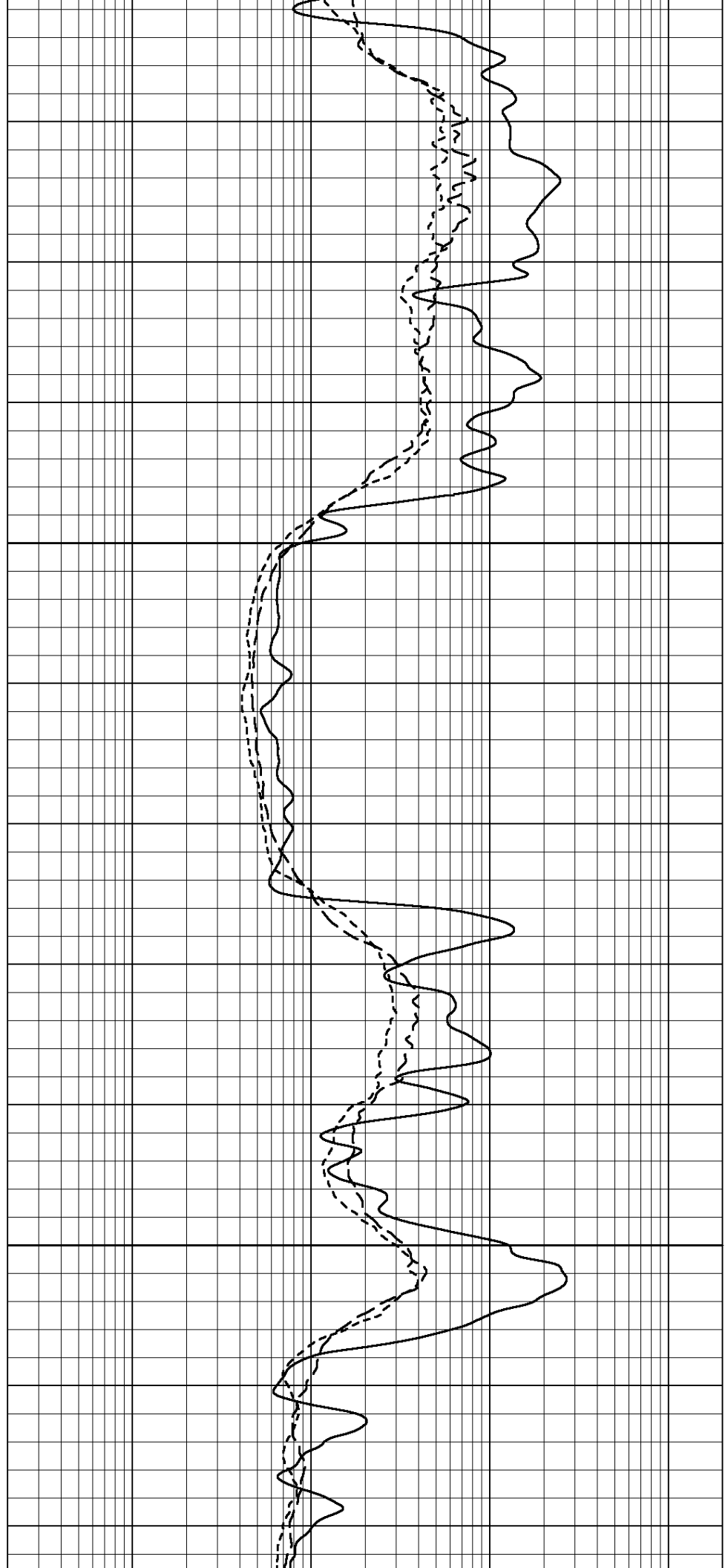
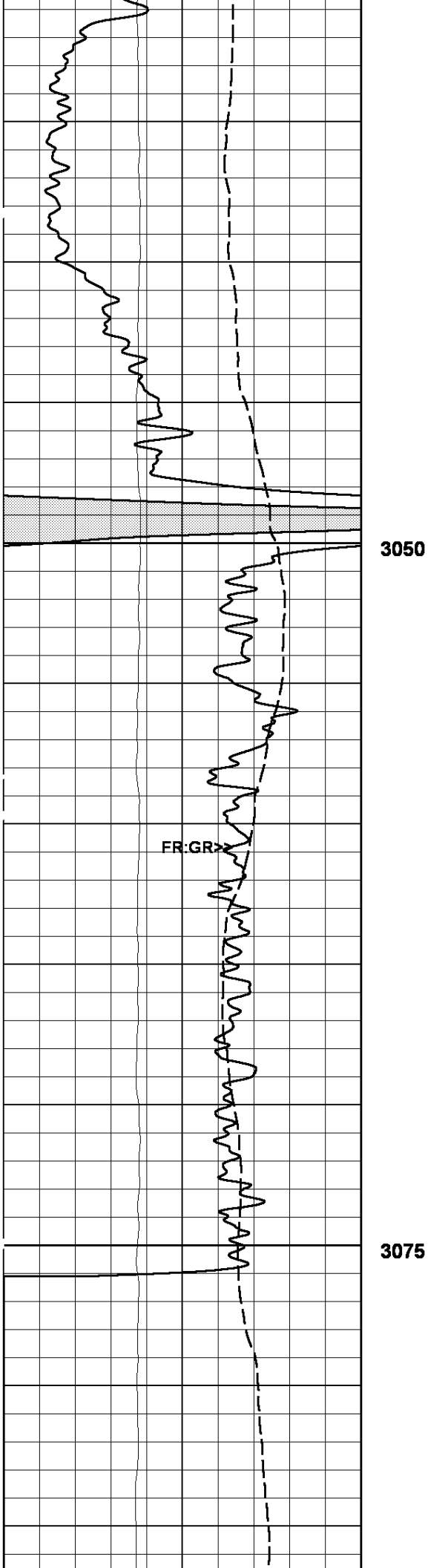


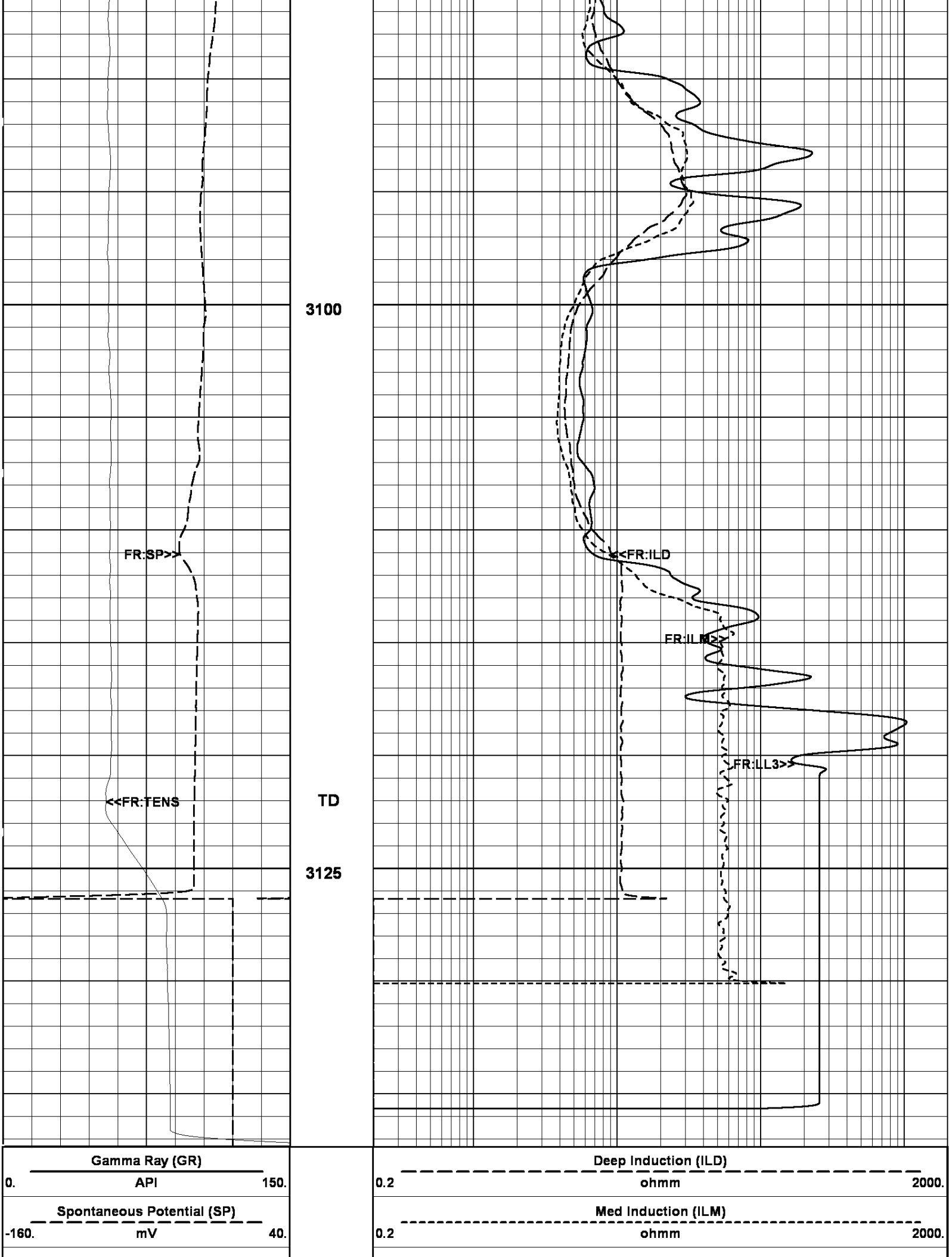
2925

2950









Tension (TENS)	0.	0.2	Laterolog (LL3)	2000.
5000.	Lbs		ohmm	

04/12/2015
HIGH DEFINITION PASS (20"/100Ft)
Log UP - (VER 11.19)

01:36:37 => Start Time
Start Depth=> 3137.30 Feet

Induction Resistivity / Conductivity Calibrations

TOOL TYPE	Slim Hole Induction	LOOP TYPE	
SERIAL NUM	RD1009	LOOP NUM	

MASTER CALIBRATIONS

	OPEN LOOP(mmho)		CLOSED LOOP(mmho)		LOOP VERIFIER(mV)		CALIBRATION DATE	CALIBRATION TIME
	NO SKIN		NO SKIN	W/ SKIN	ZERO(mV)	SPAN(mV)		
DEEP INDUCTION	0.000		400.000	499.231	0.204	629.527	M/D/Y> 3/20/2015	H:M:S> 11:58:16
MED INDUCTION	0.000		462.500	501.895	2.976	708.077	M/D/Y> 3/20/2015	H:M:S> 12:22:12
SHALLOW LATERLOG	CALIBRATOR LOW(ohm)		CALIBRATOR HI(ohm)		LOW(mV)	HI(mV)		
	2.000		500.000		8.925	2460.959		

WELL SITE CALIBRATIONS

GAMMA RAY CALIBRATION

SERIAL NUM	RG3006
BLANKET NUM	1A

MASTER CALIBRATIONS

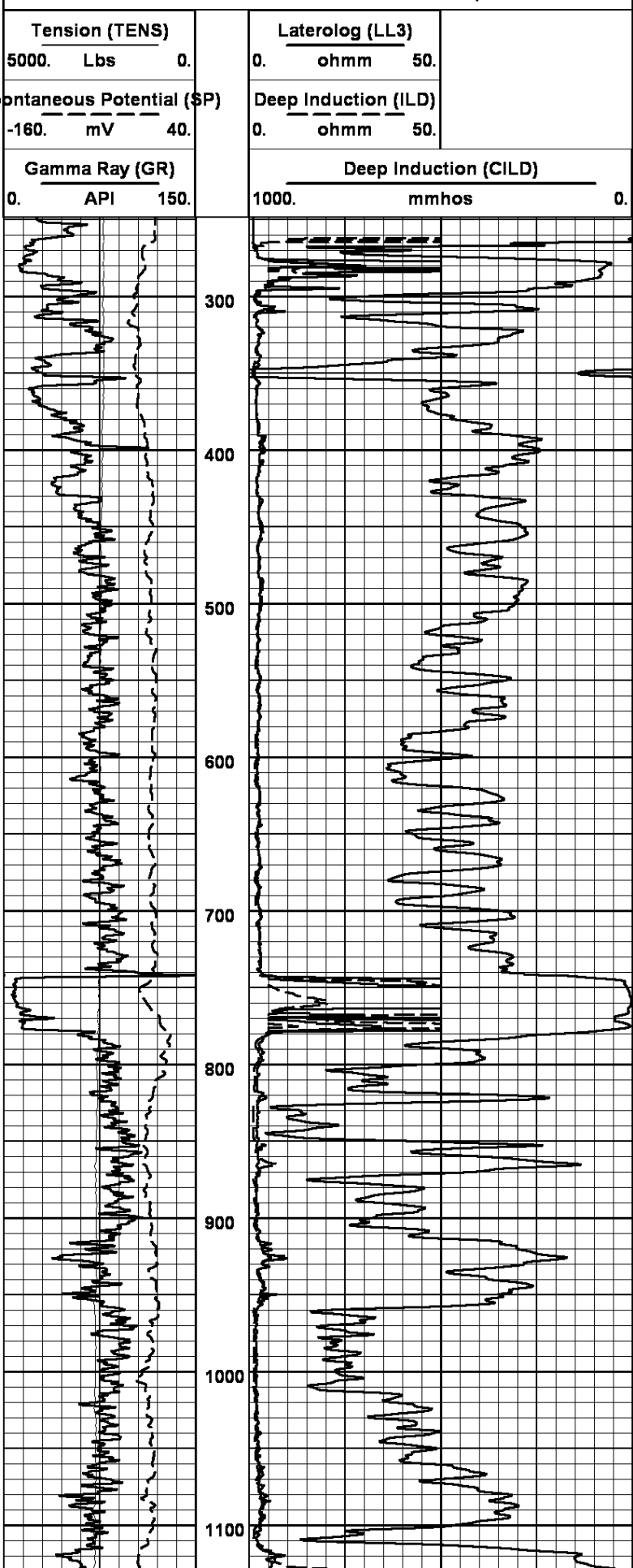
	BackGrnd	CalVal: 175.000 API	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	95.407 - raw	651.300 - raw	0.315 - gain 0.000 - off	M/D/Y> 4/7/2015	H:M:S> 12:37:49

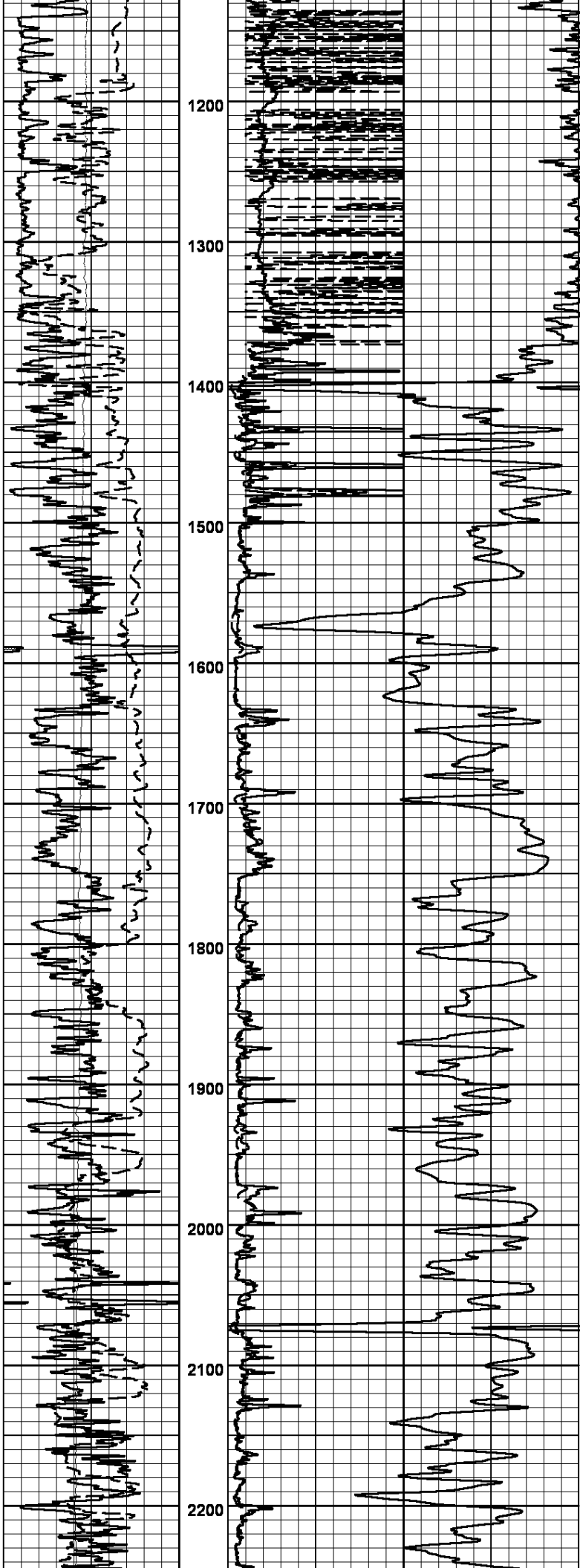
Company	CMX INCORPORATED
Well	WOELK #1-18
Field	GORHAM
County	RUSSELL
State	KANSAS

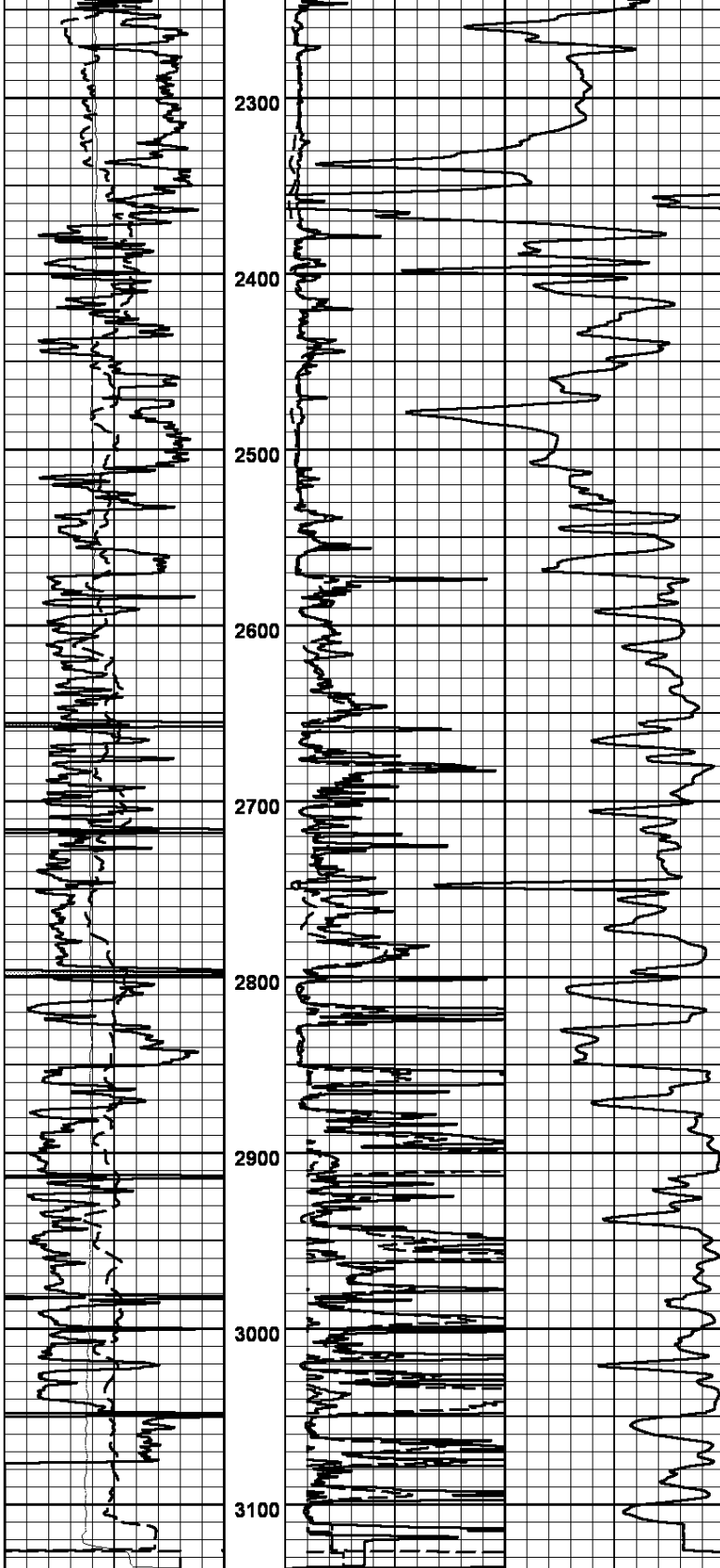
RECON

DUAL INDUCTION
LATEROLOG - SP
GAMMA RAY

04/12/2015 **MAIN PASS (1"/100FT) Log UP - (VER 11.19)**
04:56:17 => End Time End Depth=> 249.50 Feet







Gamma Ray (GR)		Deep Induction (CILD)	
0.	API 150.	1000.	0.
Spontaneous Potential (SP)		Deep Induction (ILD)	
-160.	mV 40.	0.	ohmm 50.
Tension (TENS)		Laterolog (LL3)	
5000.	Lbs 0.	0.	ohmm 50.
04/12/2015 MAIN PASS (1"/100FT) Log UP - (VER 11.19)			
03:30:15 => Start Time		Start Depth=> 3137.00 Feet	

