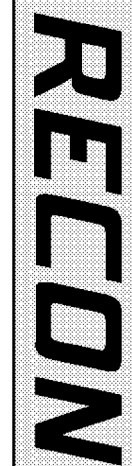


Company **CMX, INC.**
Well **BARTENDER SWD #1-18**
Field **STRANATHAN**
County **BARBER**
State **KANSAS**



**DUAL INDUCTION
LATEROLOG - SP
GAMMA RAY**

SEC	TWP	RGE	OTHER SERVICES:	
18	25S	11E	LDT	CNL
Location: 330' FSL & 330' FWL		SW SW SW	XY CALIPER	MICROLOG
SURF. SAME		AP#:	ELEVATIONS	
		015-007-24206	K.B.	1375
Permanent Datum		Ground Level	Elev	1362
Log Measured From		Kelly Bushing	G.L.	1362
Drilling Measured From		Kelly Bushing	D.F.	1374

Date	16-AUG-2014					
Run No.	ONE					
TD Driller	5530	ft			ft	
TD RECON	5531	ft			ft	
Bot Logged Interval	5530	ft			ft	
Top Logged Interval	3700	ft			ft	
Casing Depth Driller	9 5/8	in.	@ 1030		in.	@
Casing Depth RECON	9 5/8	in.	@ 1027		in.	@
Bit Size	8 3/4	in.			in.	
Drilling Fluid Type	CARBONOX					
Density	9.4	ppg	60 sec/qt			
Fluid Loss	PH	11.4 ml/30min	8.6 strip			
Source Of Sample	Flowline					
RM @ Measured Temp	2.181	Ohmm	@ 75		Ohmm	@
RMF @ Measured Temp	1.636	Ohmm	@ 75		Ohmm	@
RMC @ Measured Temp	2.727	Ohmm	@ 75		Ohmm	@
RM @ MRT	1.285	Ohmm	@ 132		Ohmm	@
Max Recorded Temp	132	DegF			DegF	
Time Drilling Stopped	16-AUG-2014	05:45				
Time Circulation Stopped	16-AUG-2014	12:15				
Time Logger On Bottom	16-AUG-2014	17:03				
Unit Num	Location	S409	OKLAHOMA CITY, OK			
Recorded By	H. GARCIA					
Witnessed By	MRS. L. KASTEN					

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. #6

GENERAL REMARKS SECTION

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

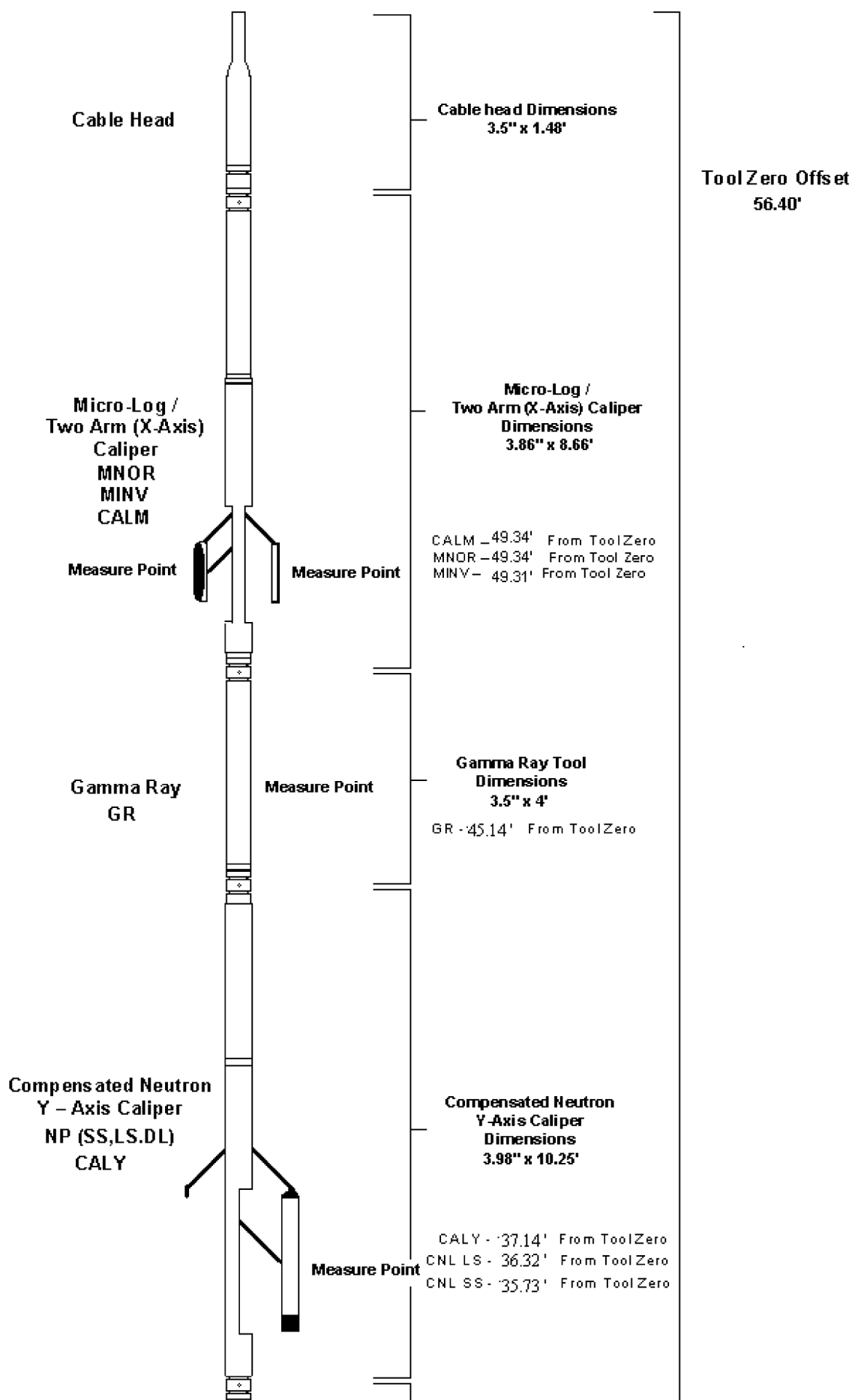
CHLORIDES: 4300 mg/l
LCM: 9 lbm/bbl

AHV CALCULATED ON 7.0" PROD. CASING

THANK YOU FOR USING RECON PETROTECHNOLOGIES LTD.

CREW: J. ROSE, D. ROWELL

**DUAL INDUCTION – SP / GAMMA RAY /
COMPENSATED 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**
57.89'

**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 - 23.20' From ToolZero
LDT w1 -
LDT w2 -
LDT w3 - 22.93' From ToolZero
LDT w4 -
LDT SS - 22.44' From ToolZero

Dual Induction

SP
ILD
ILM
LL3

**Dual Induction Tool
Dimensions**
3.62" x 21'

**S.P. / CILD
Measure Point**

SP - 10.96' From ToolZero
ILD - 10.96' From ToolZero

**CILM Measure
Point**

ILM - 7.22' From ToolZero

**Tool First Reading
Point**

**Laterolog 3
Measure Point**

LL3 - 1.67' From ToolZero

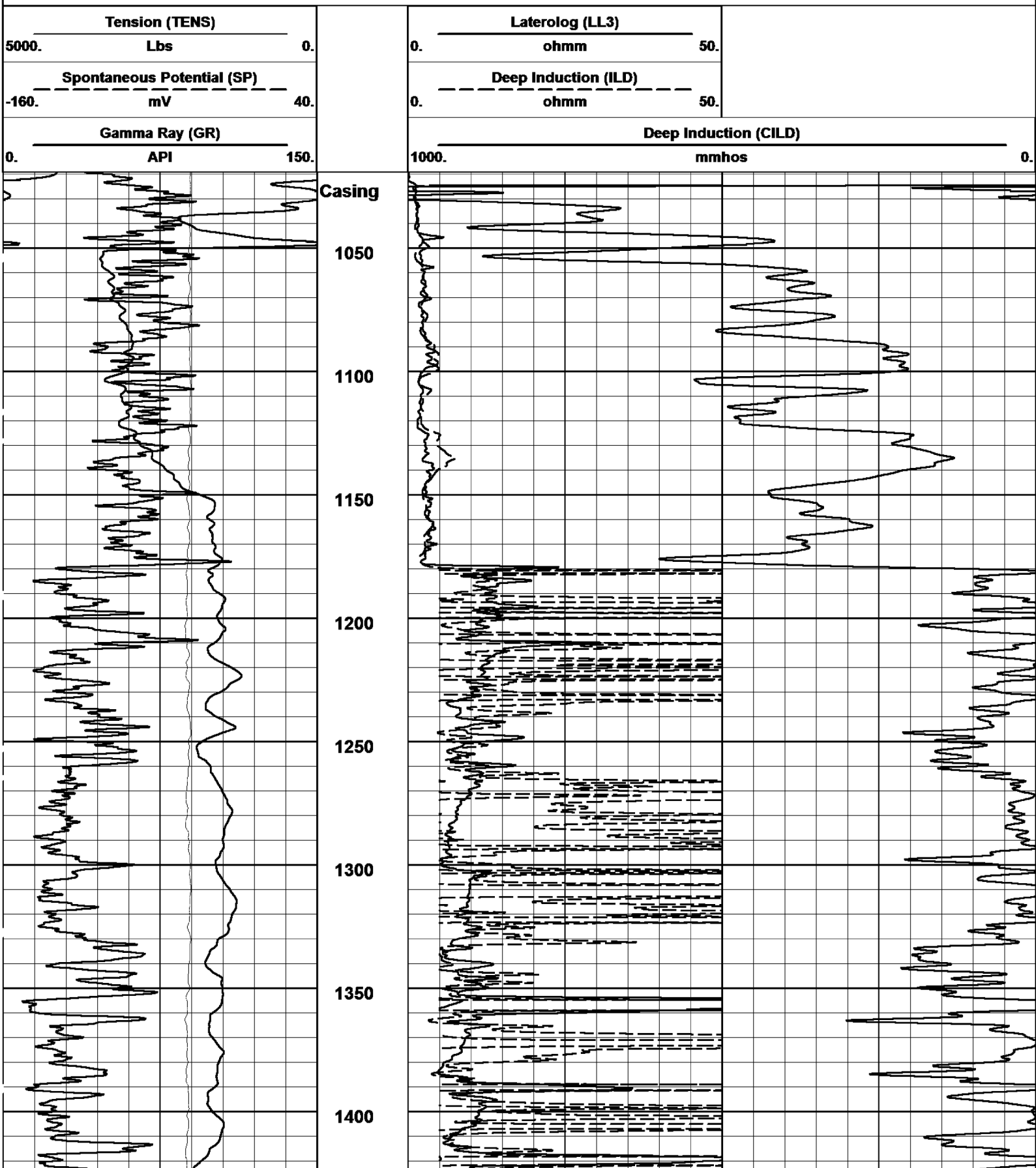
**Tool Zero Point
(Tool Bottom)**

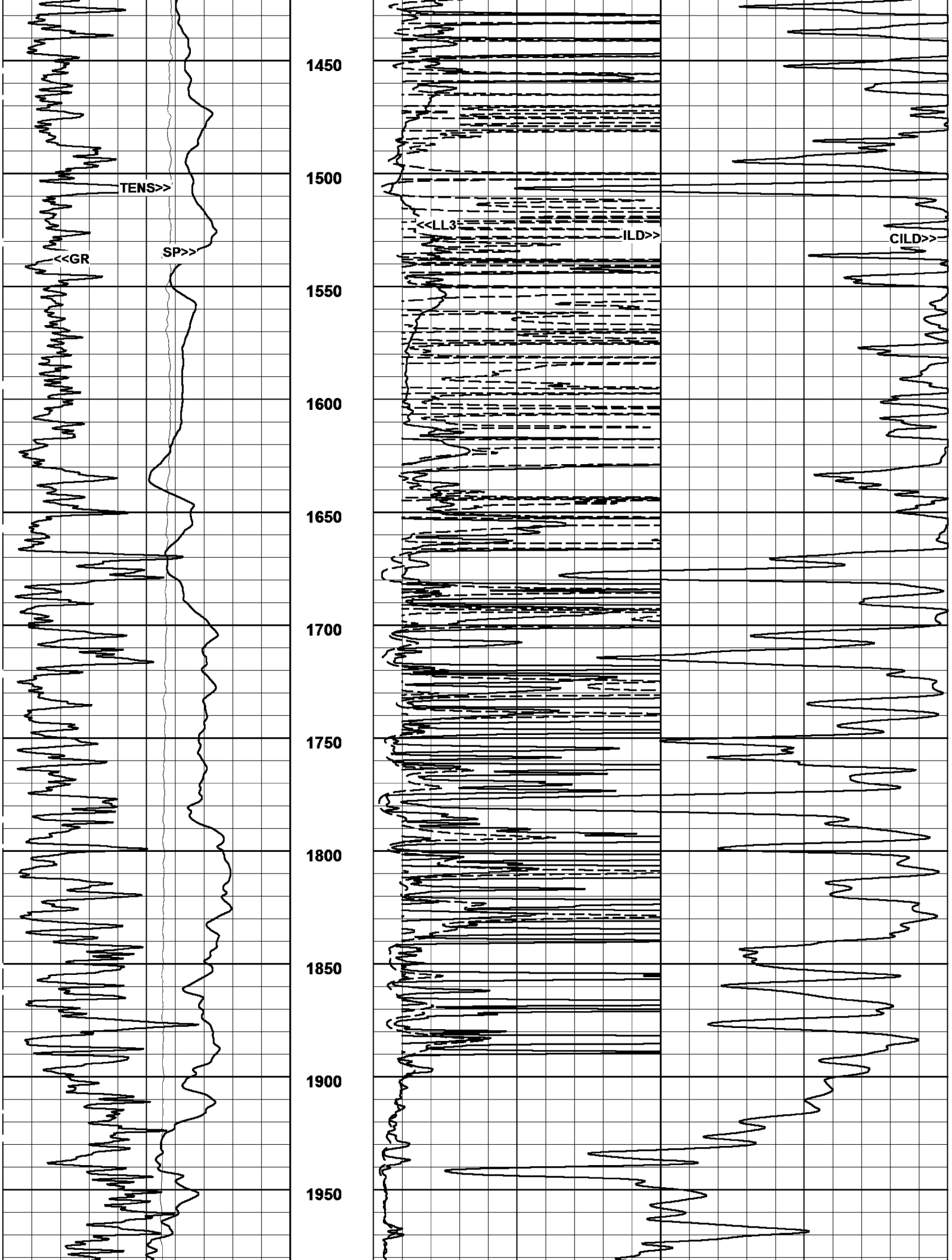
**All Measurements are
taken from Tool Zero**

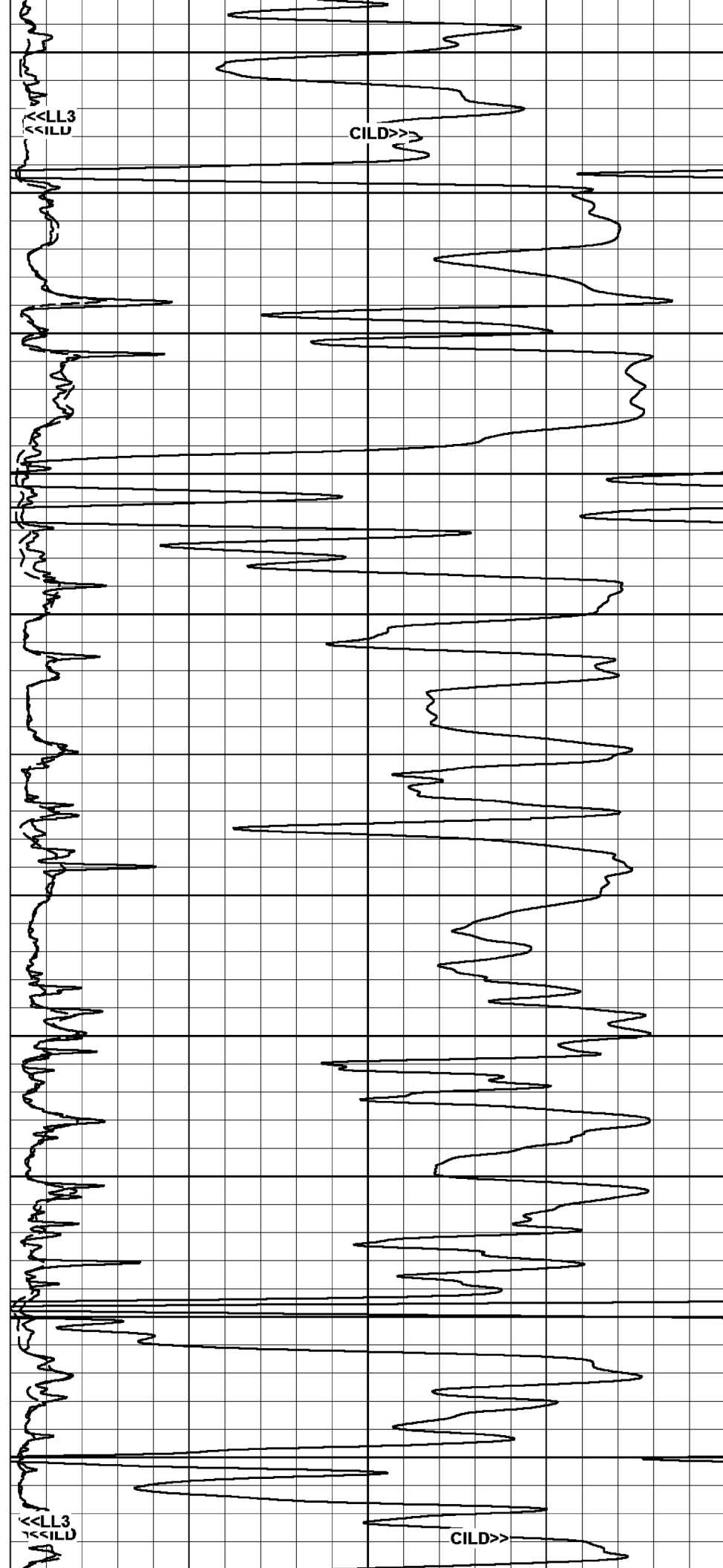
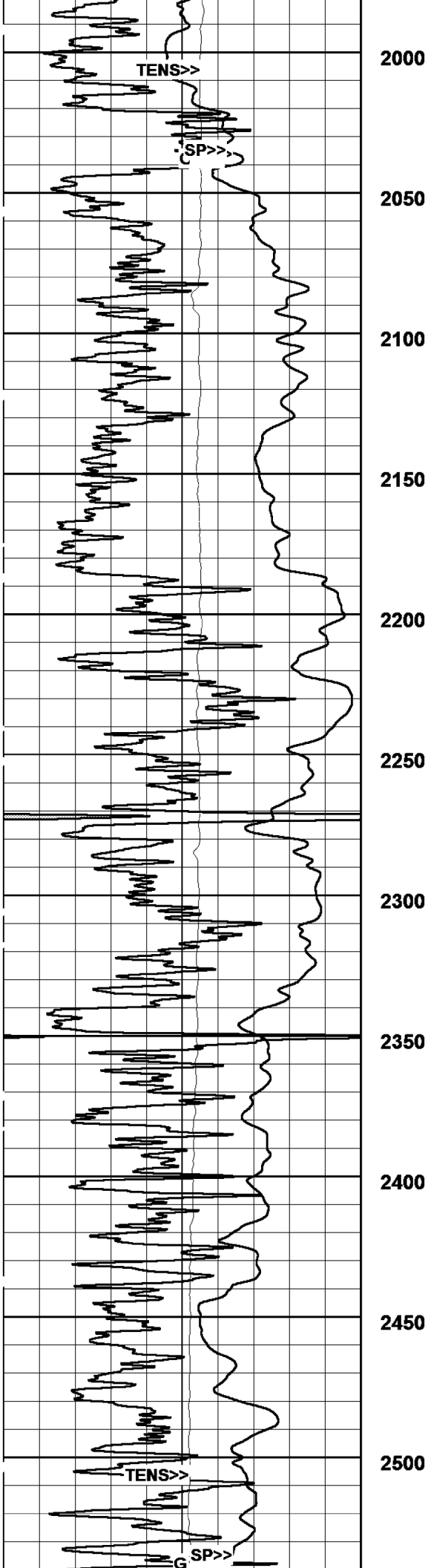
08/16/2014
18:51:26 => End Time

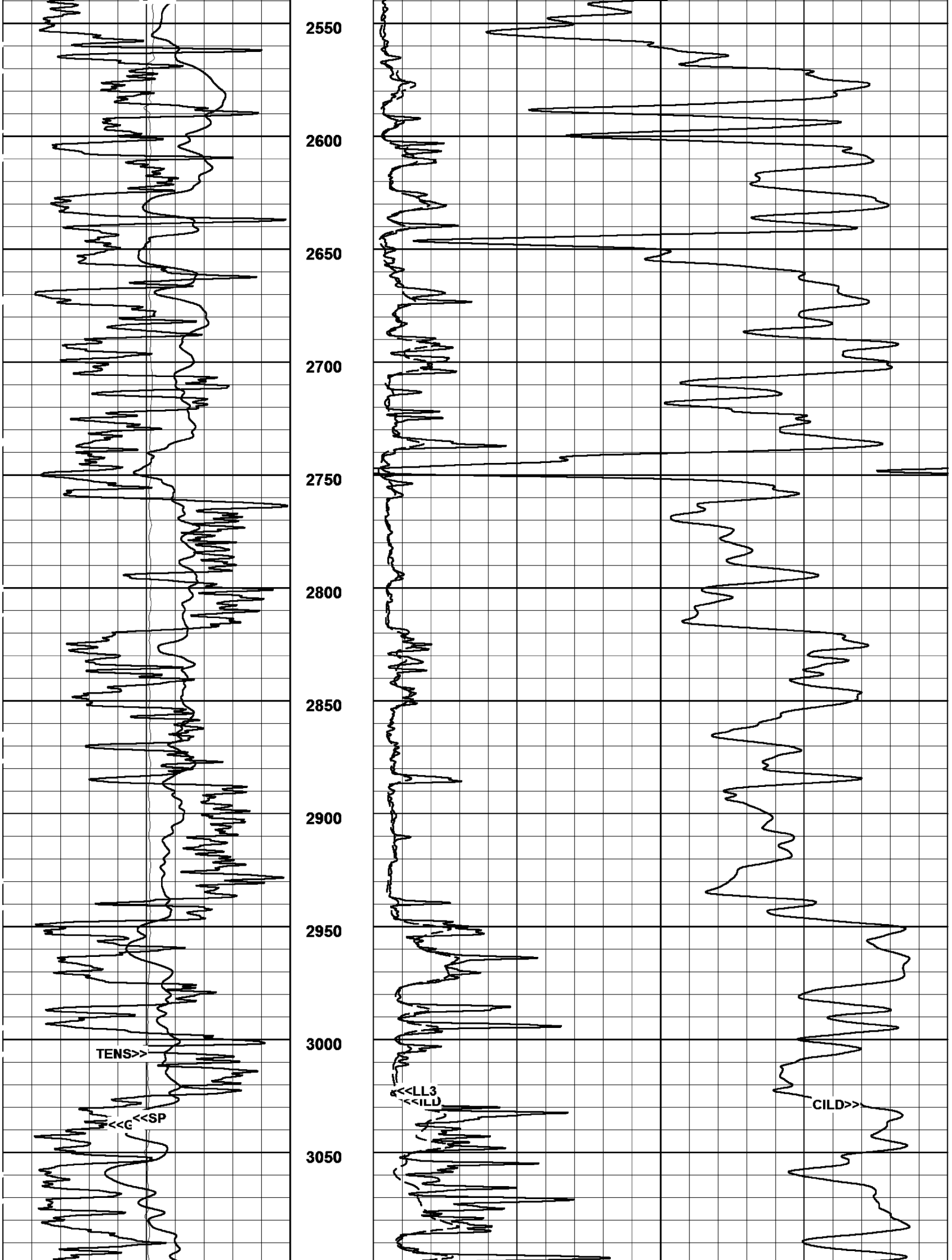
MAIN PASS (2"/100Ft)

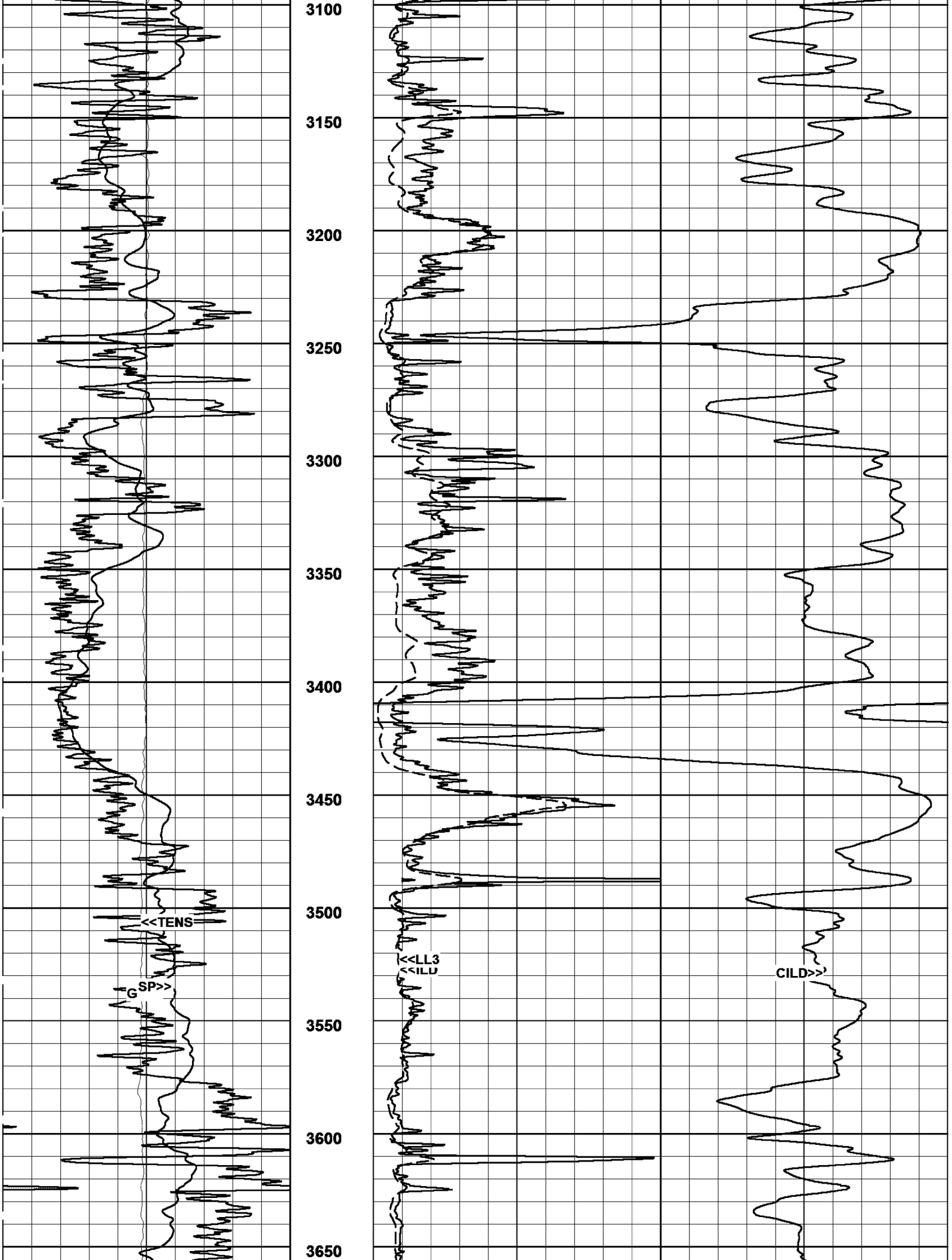
Log UP - (VER 11.19)
End Depth=> 1019.75 Feet

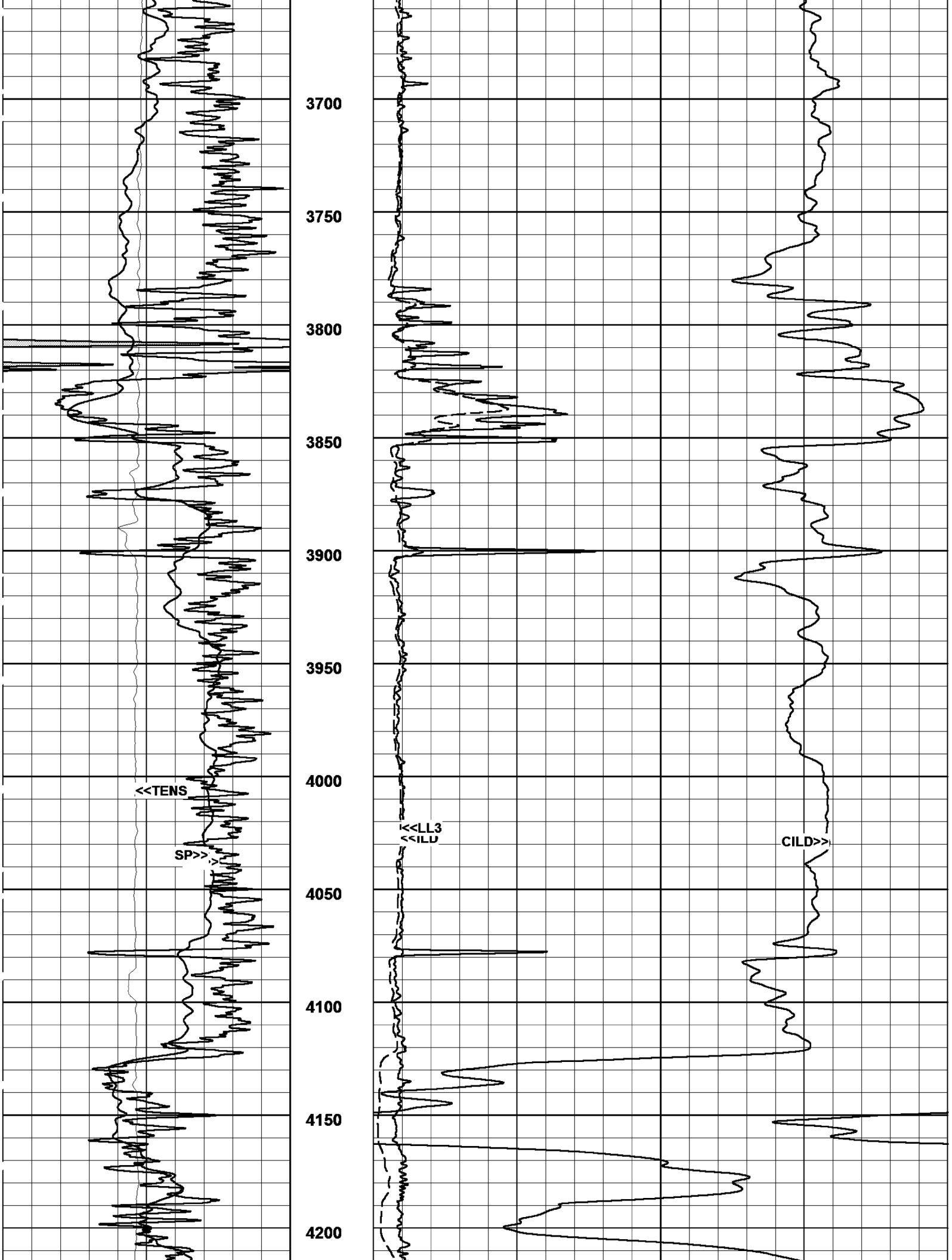


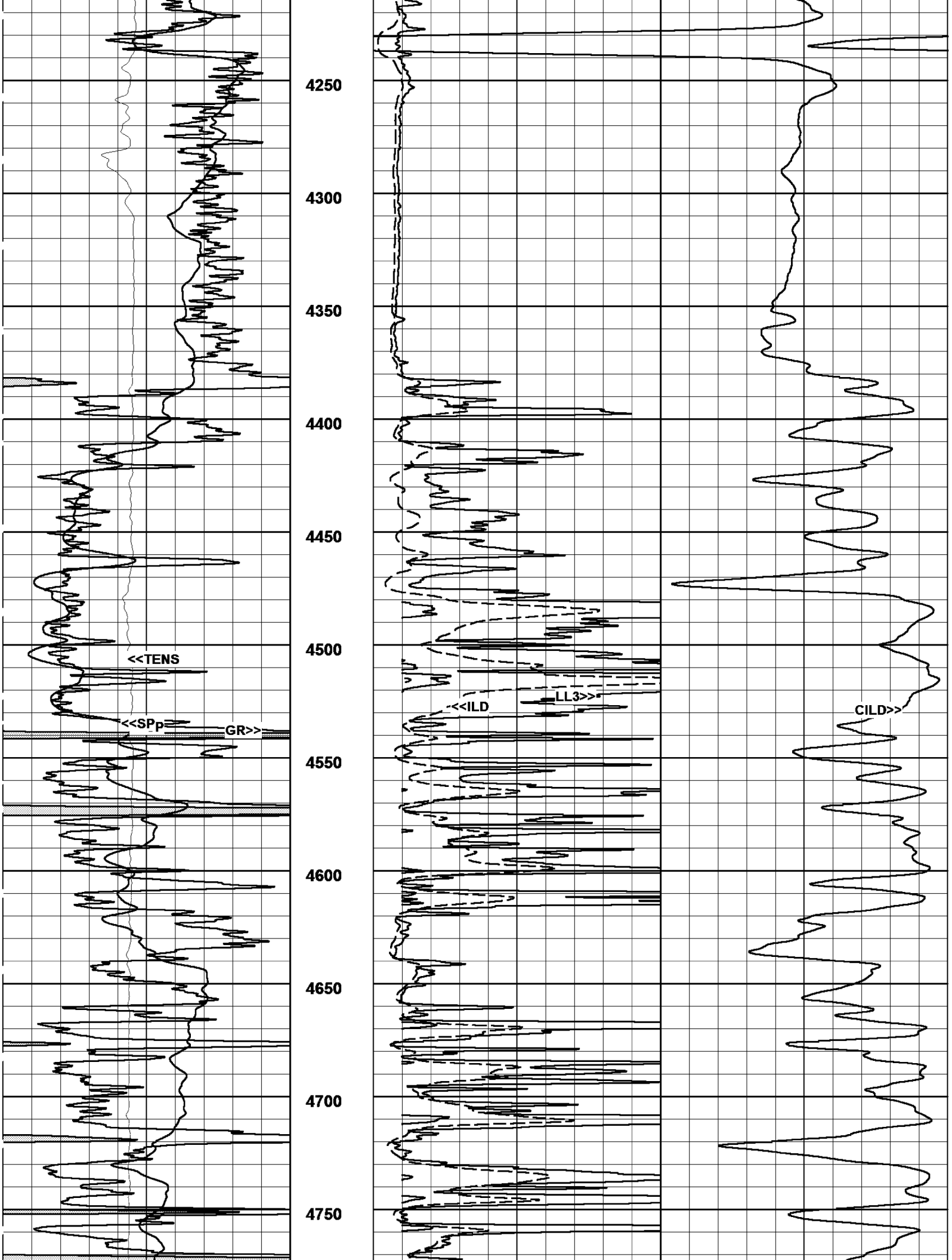


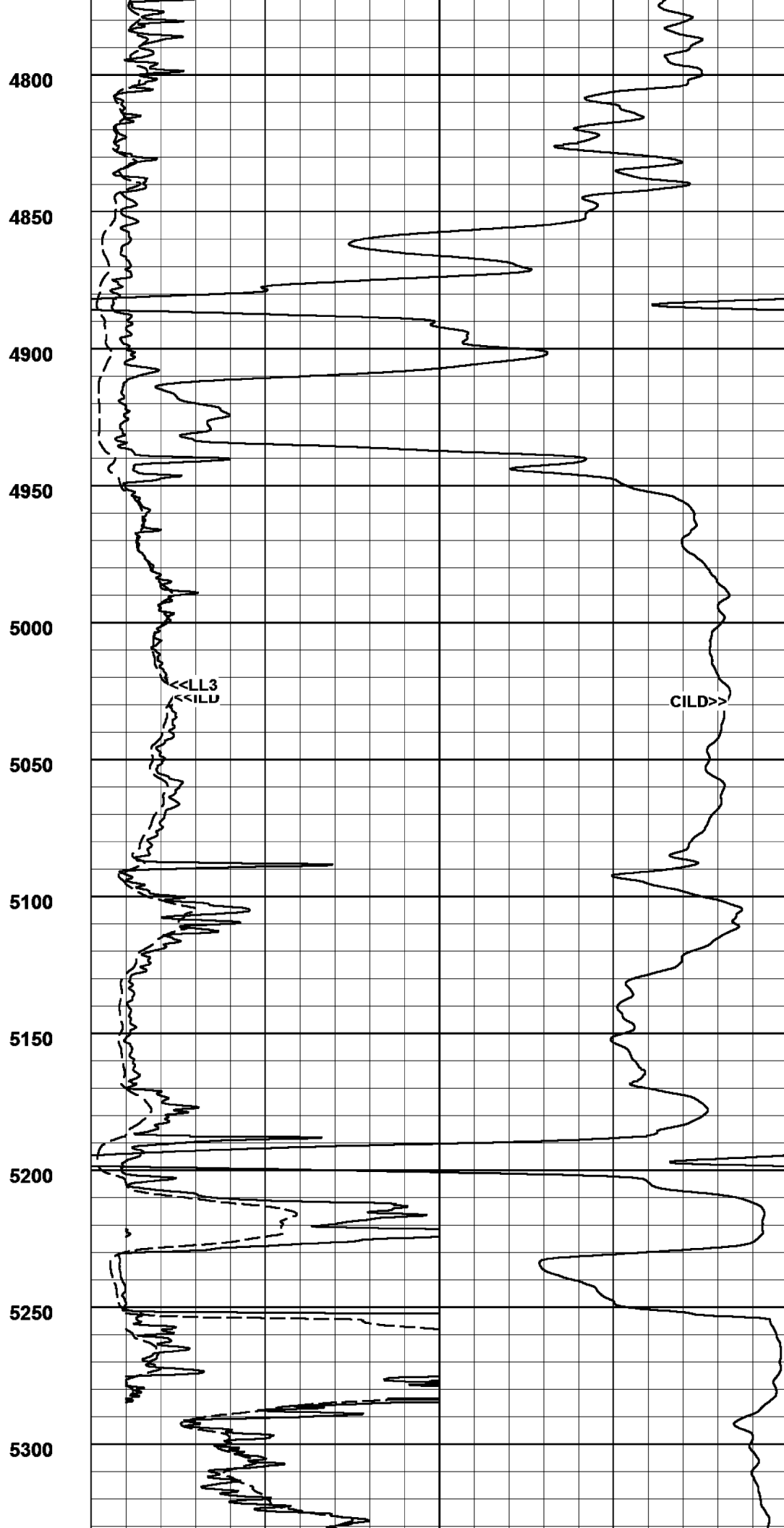
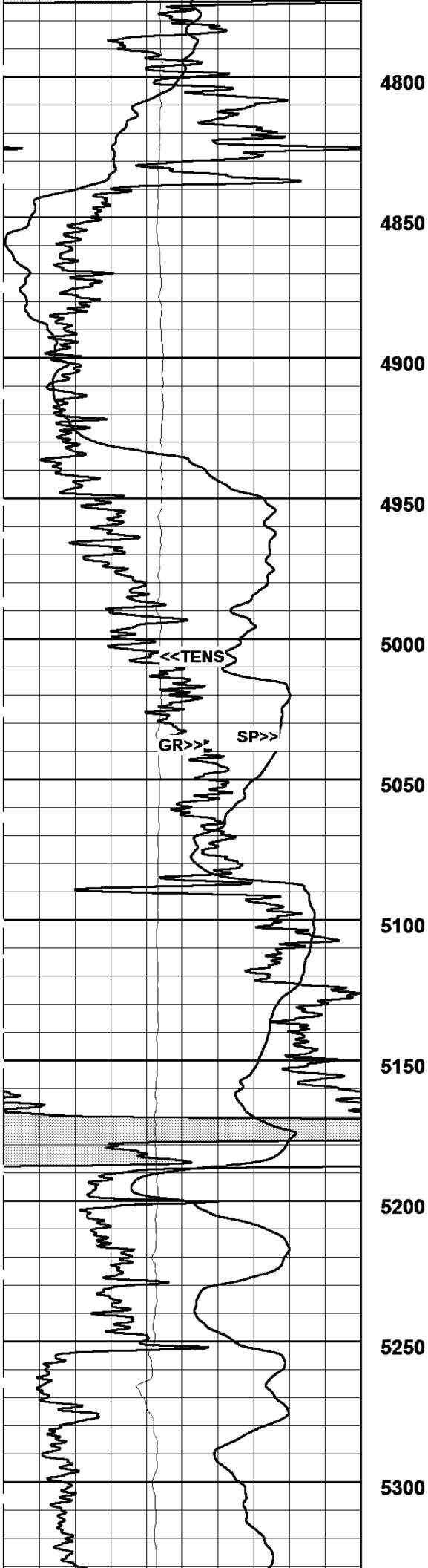


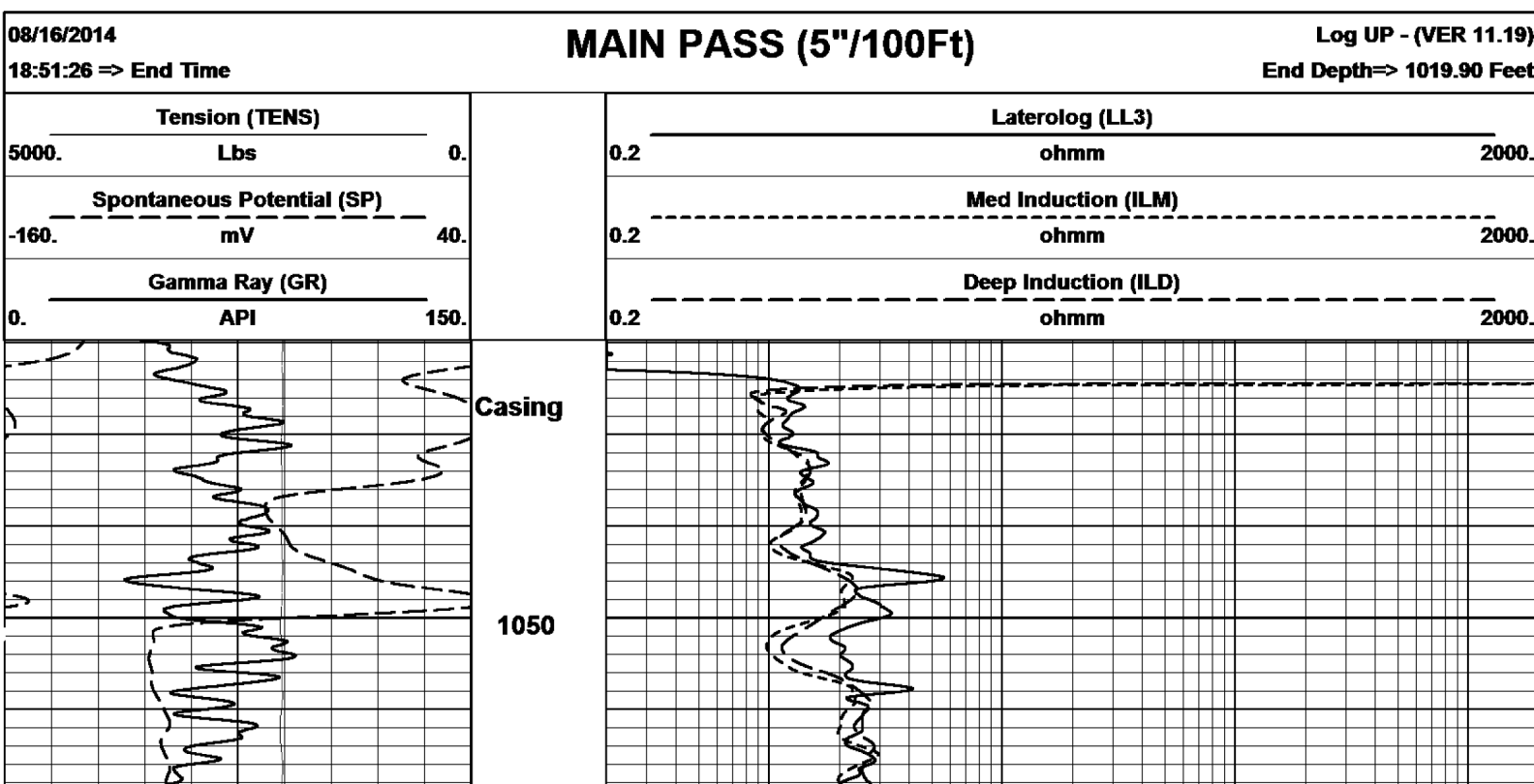
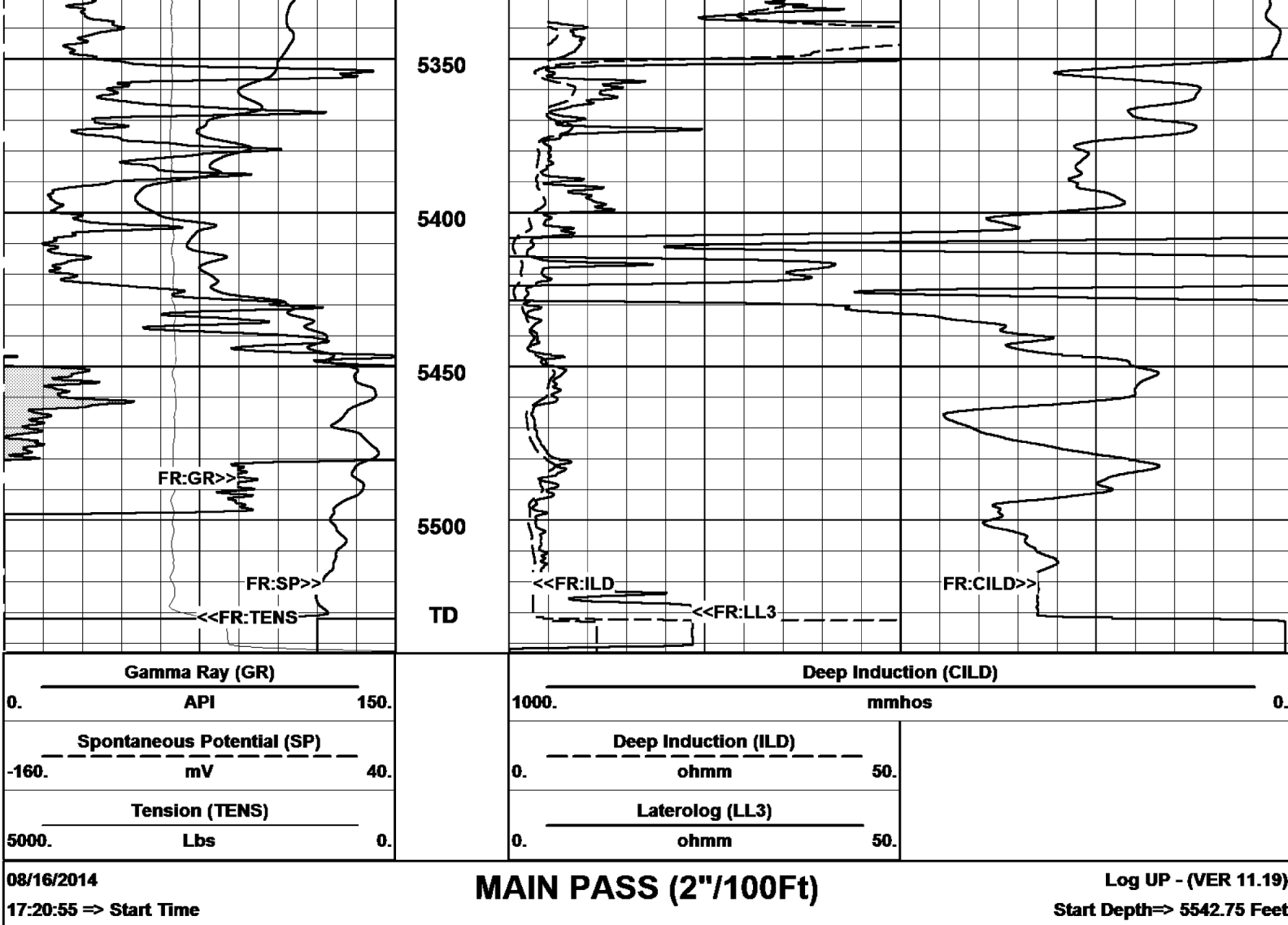


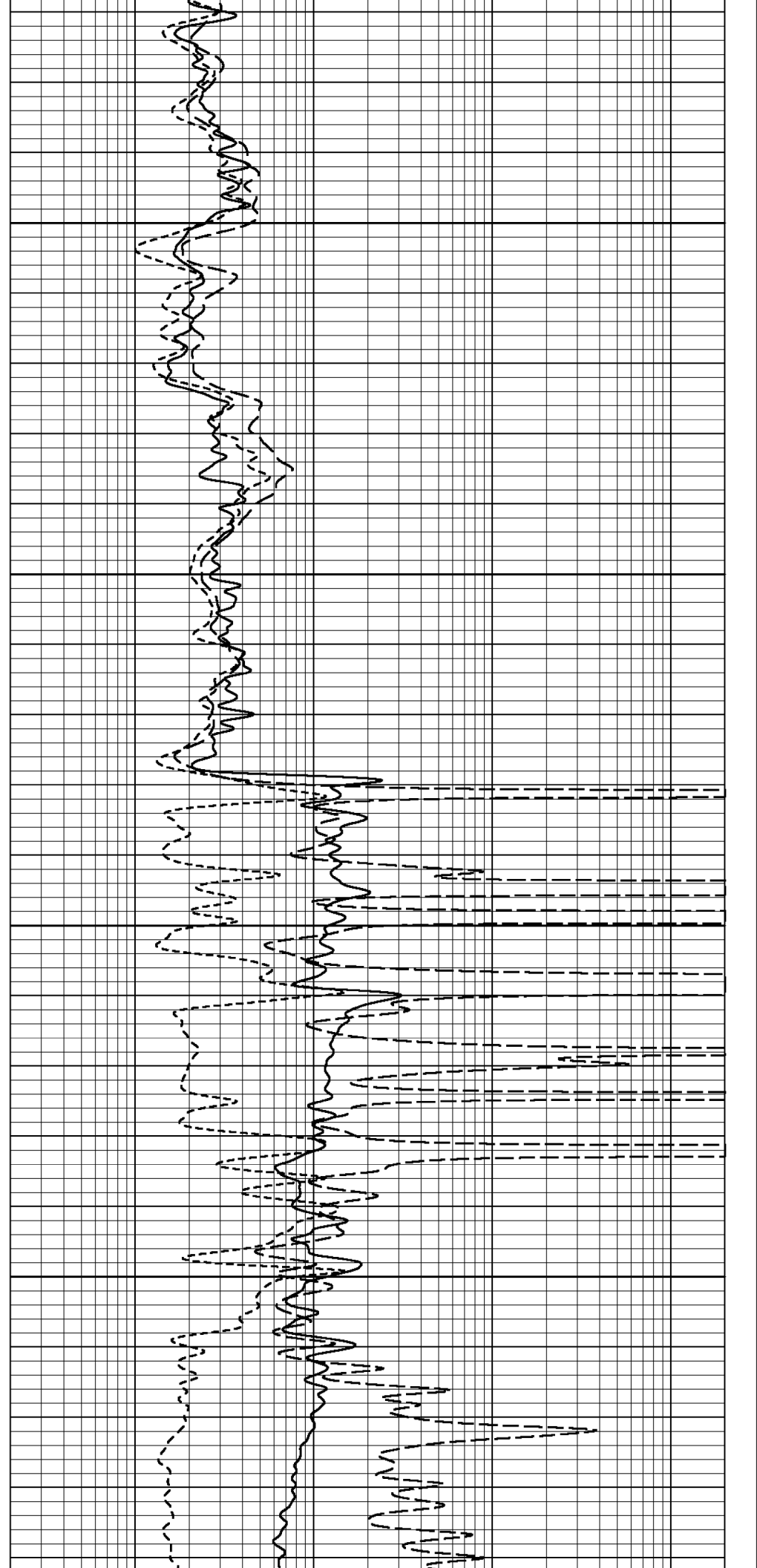
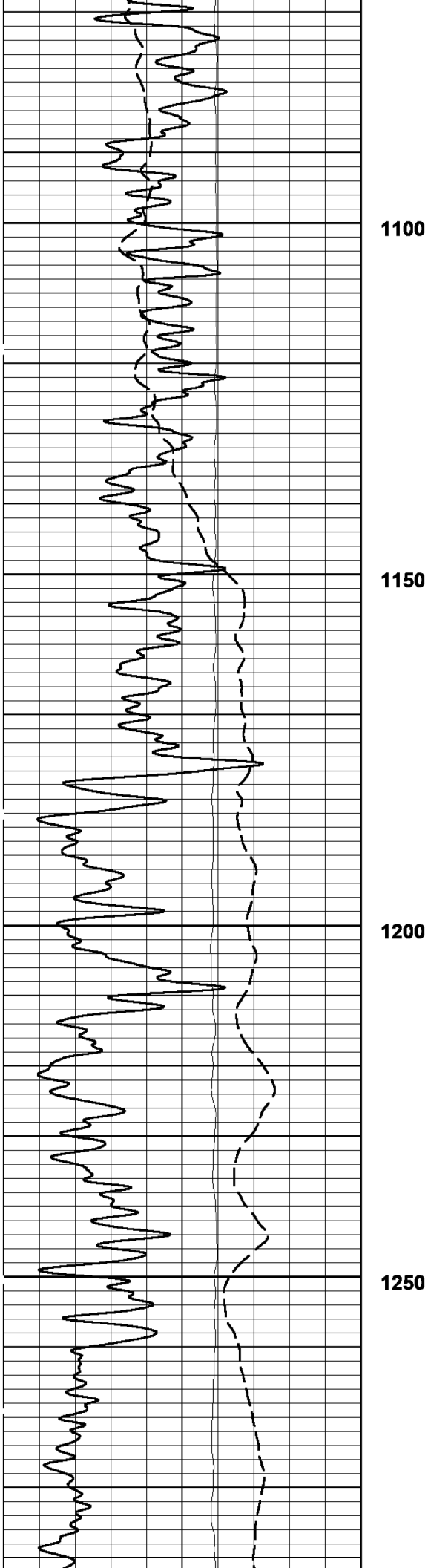


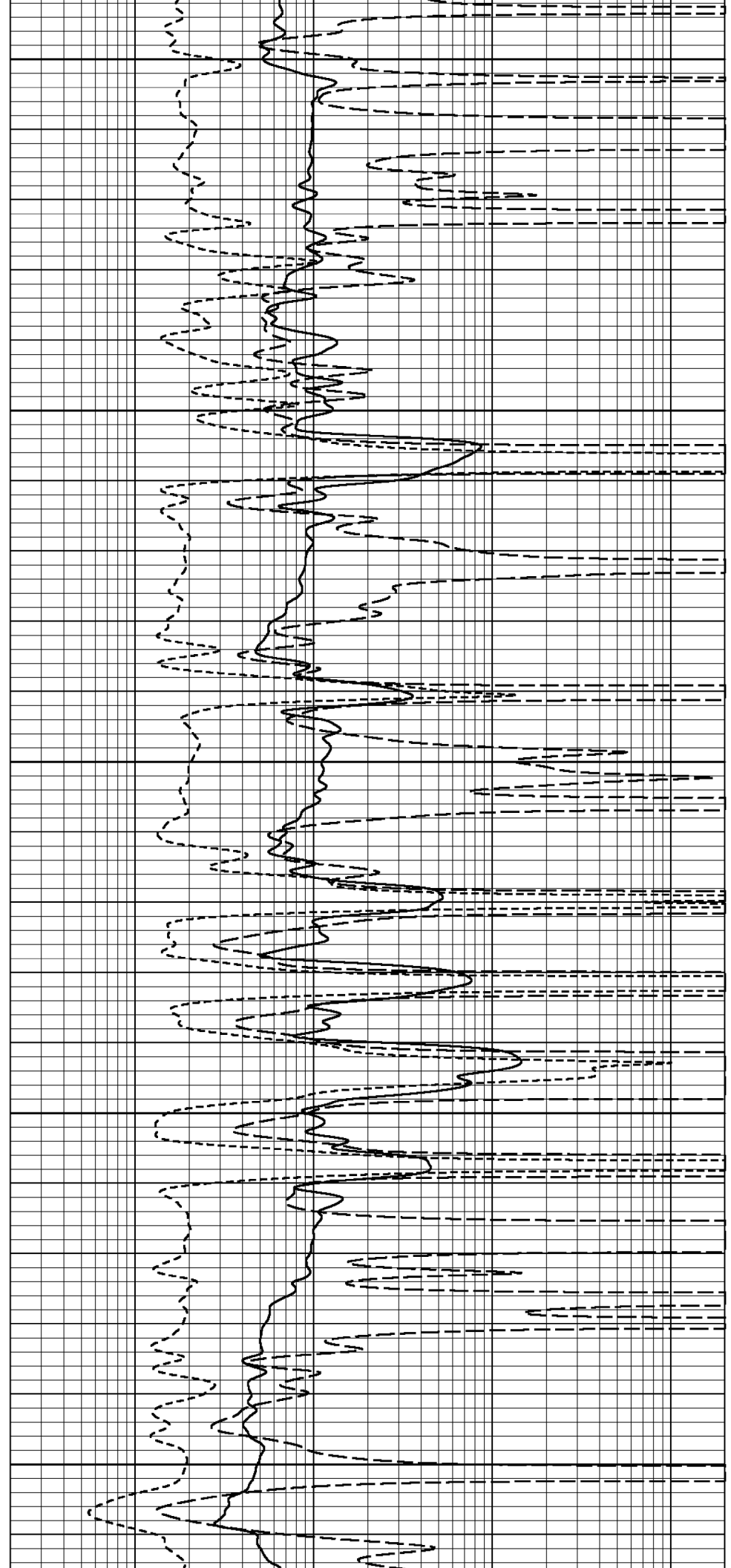
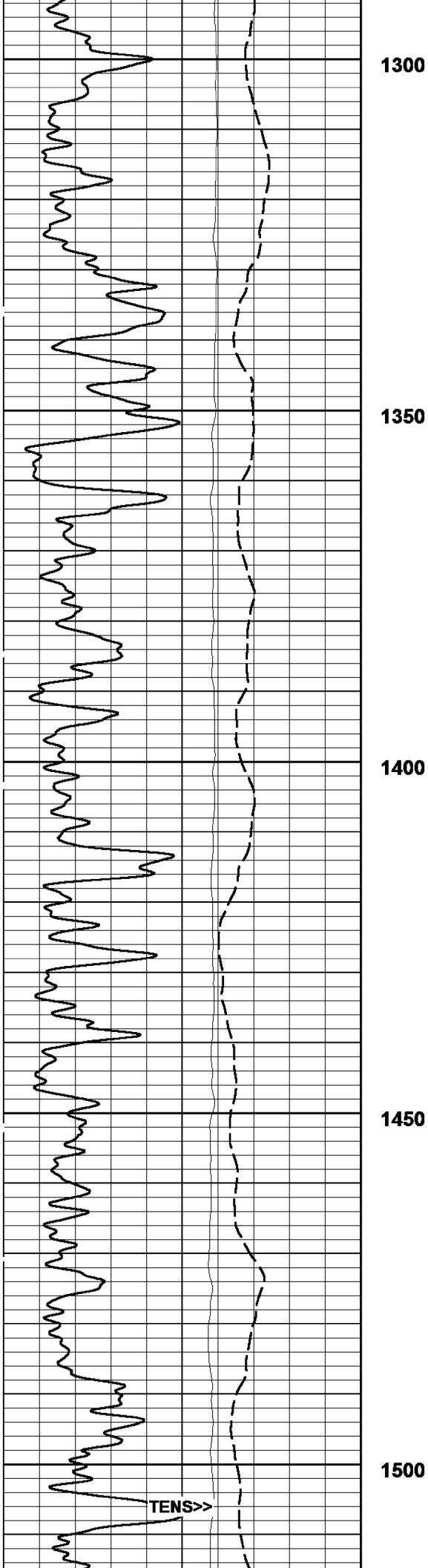


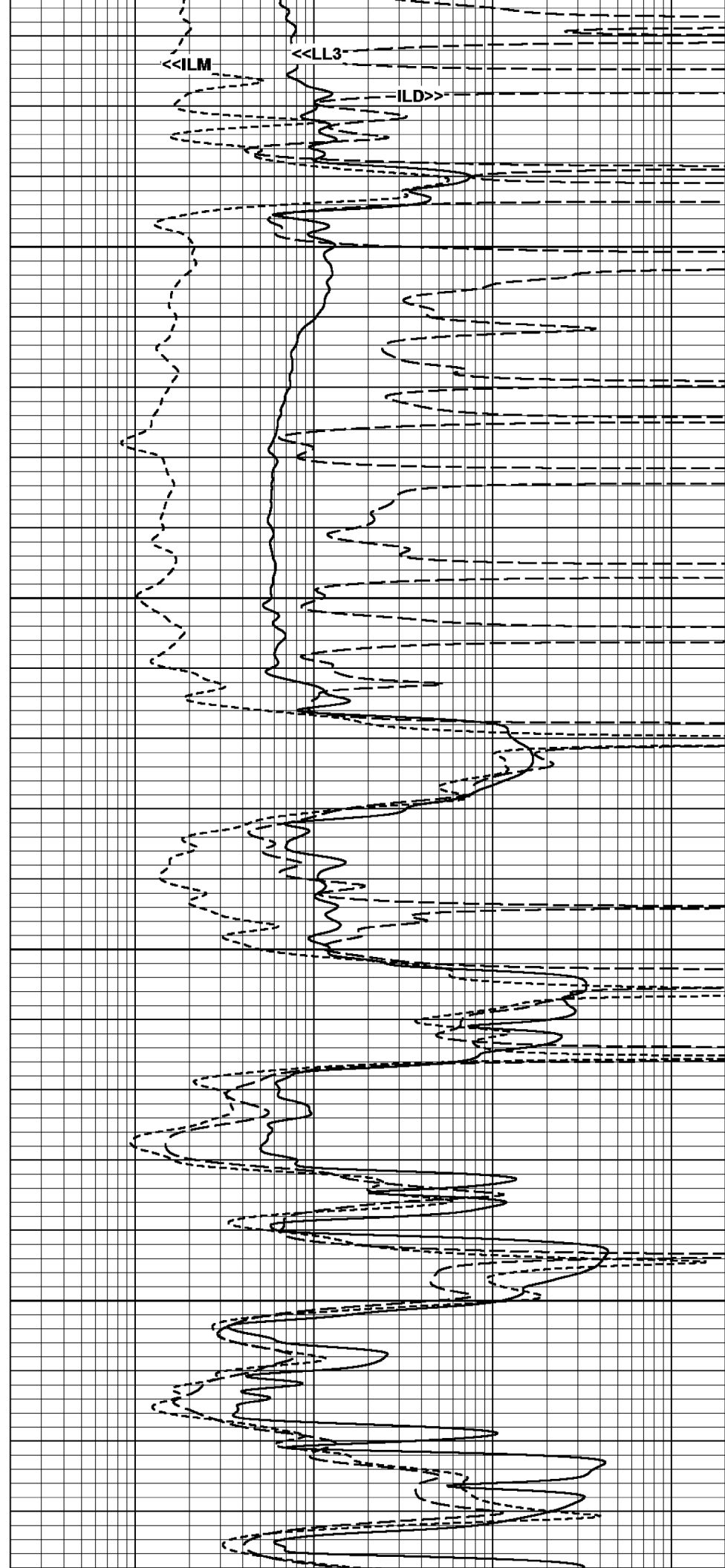
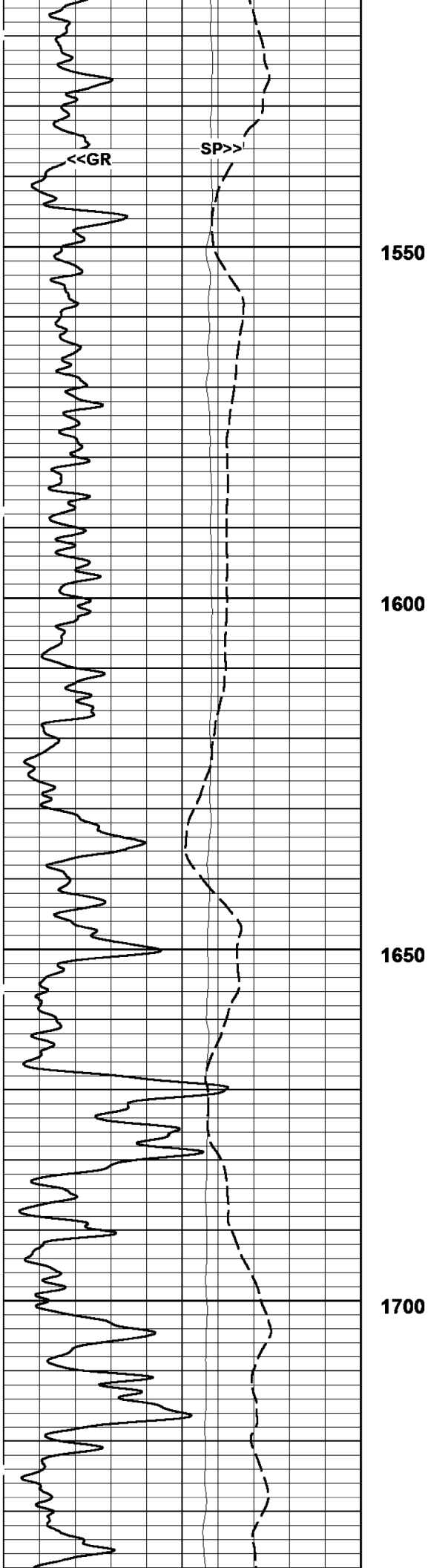


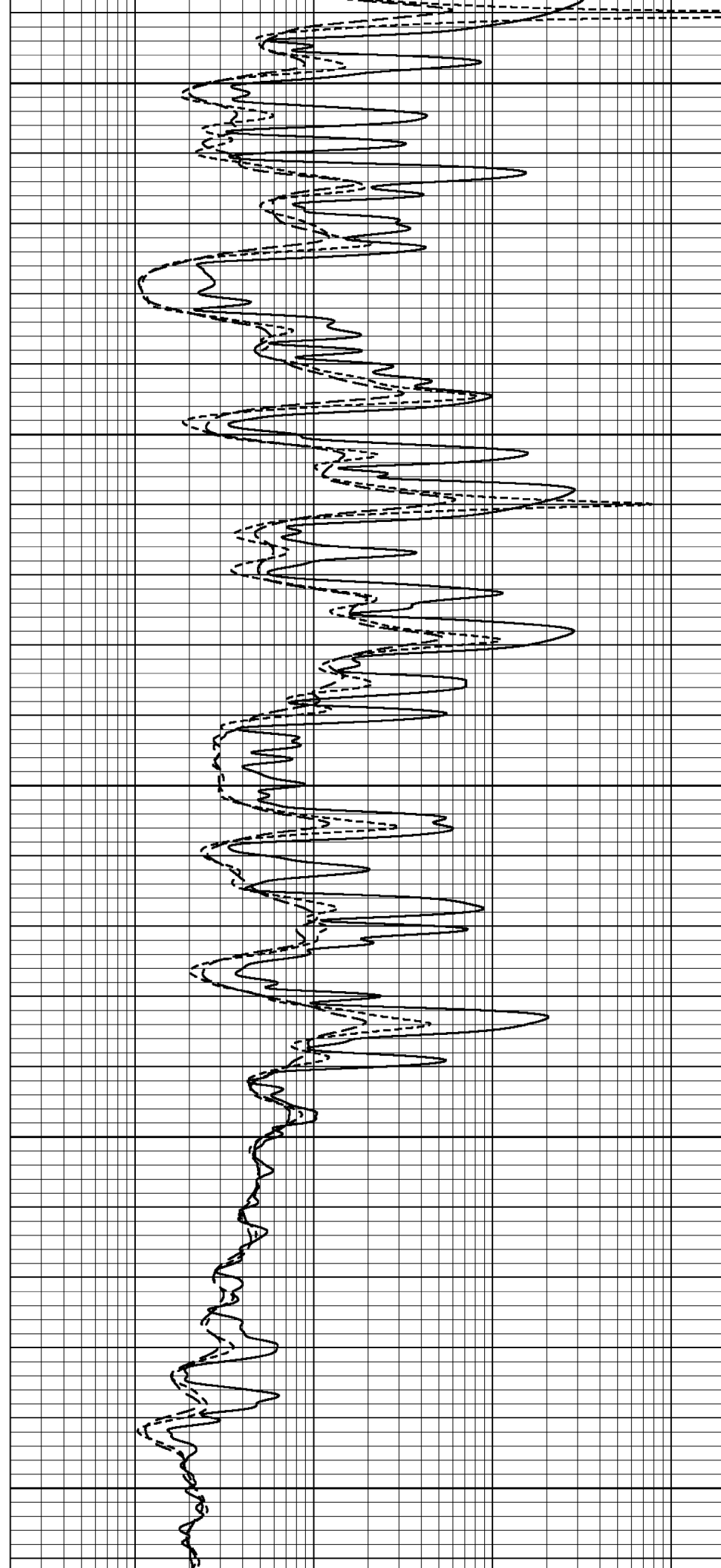
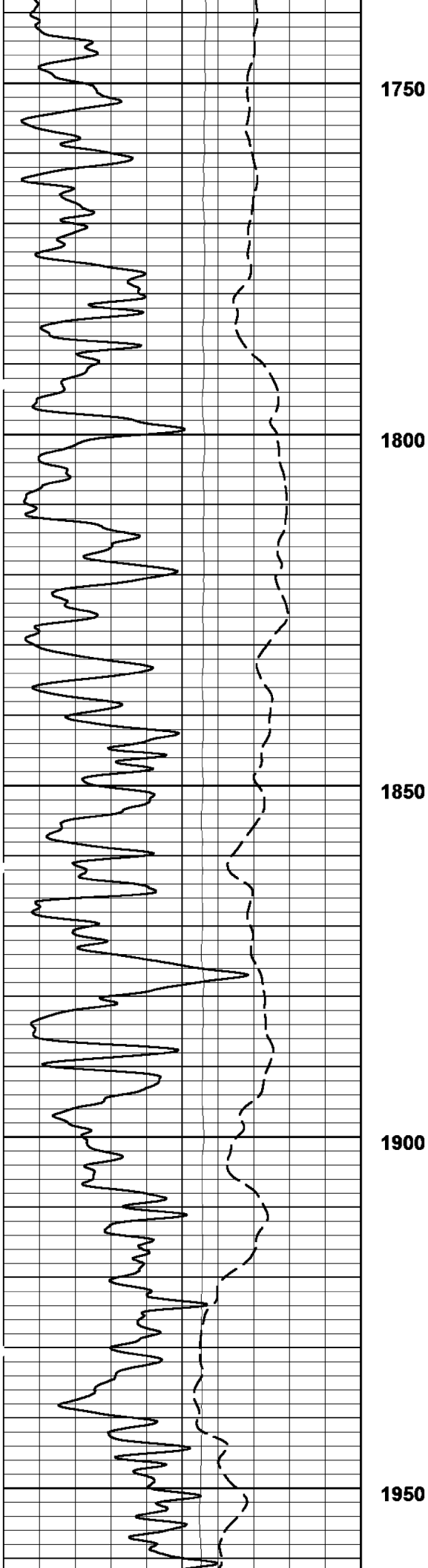


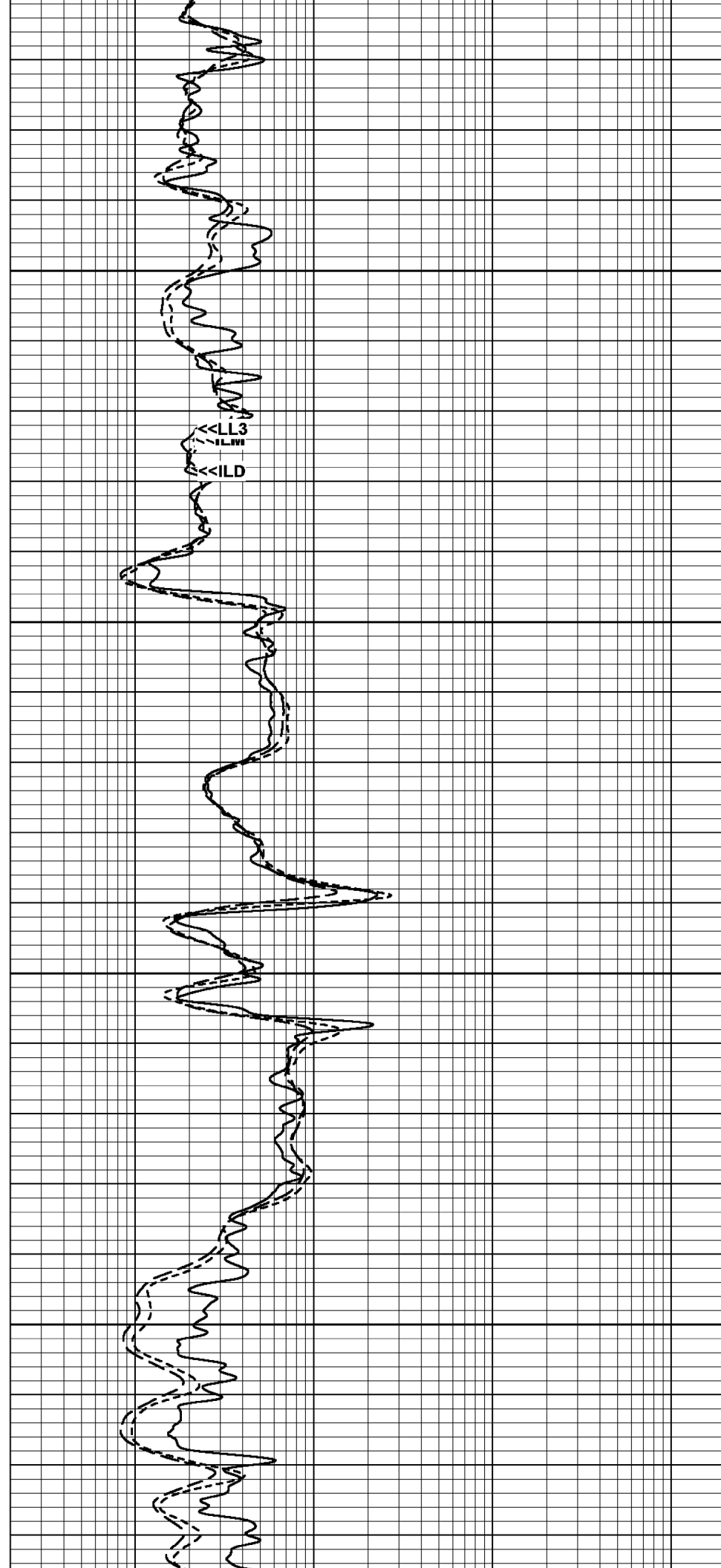
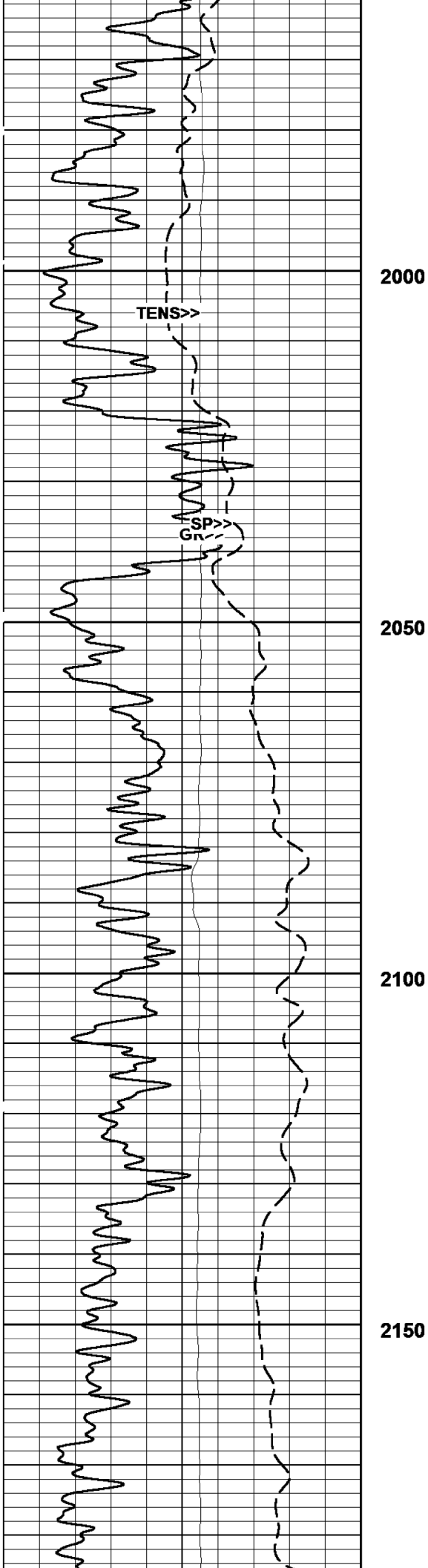


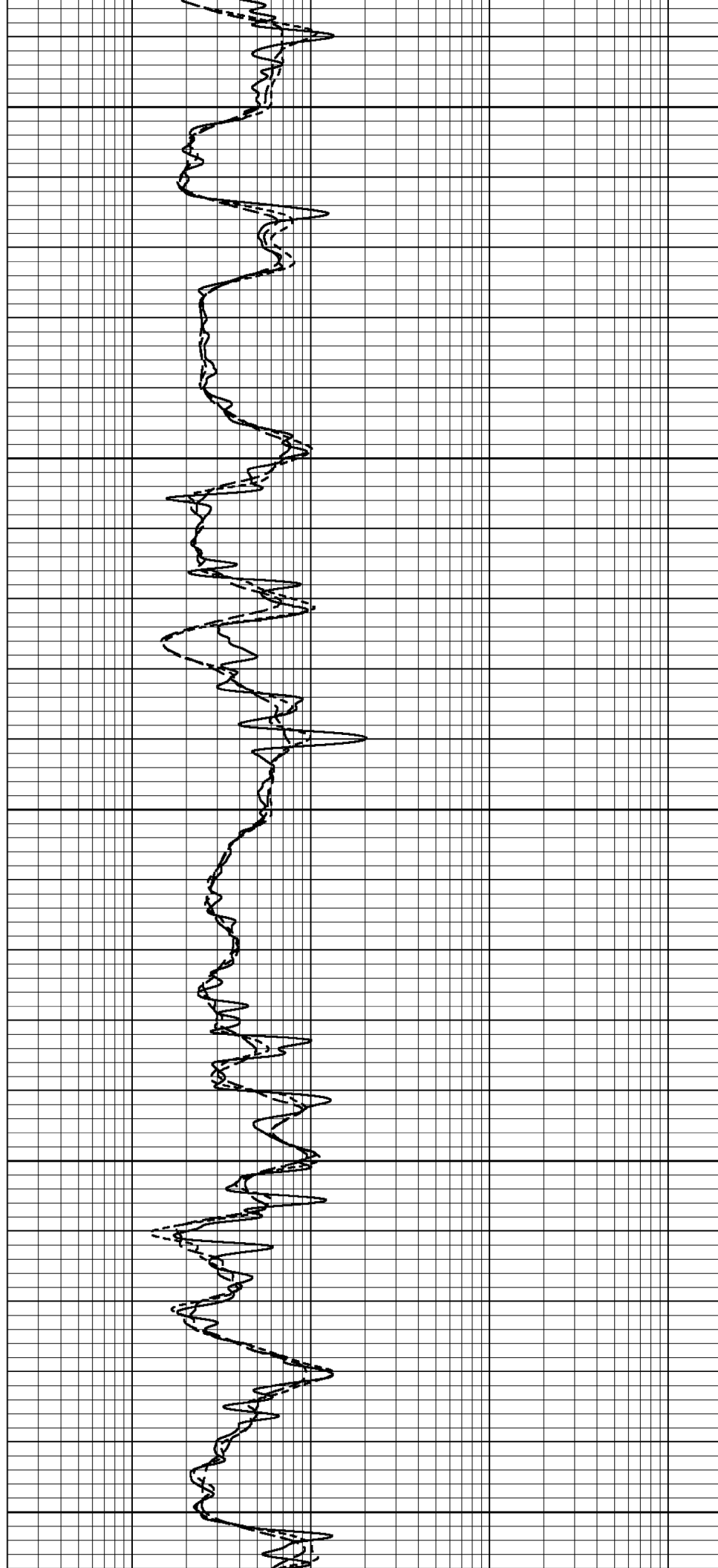
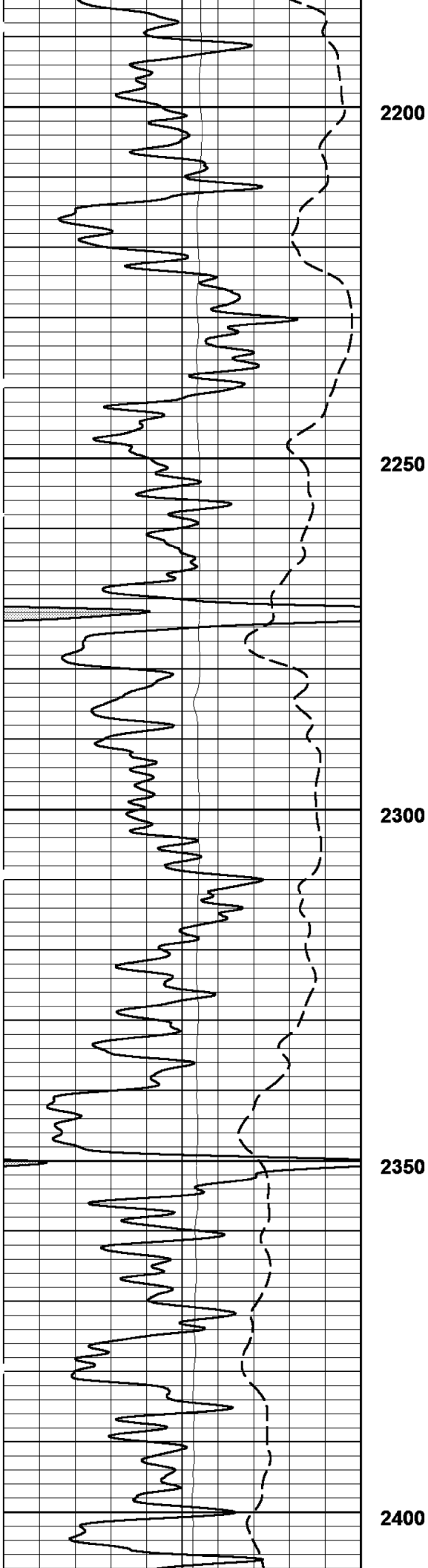


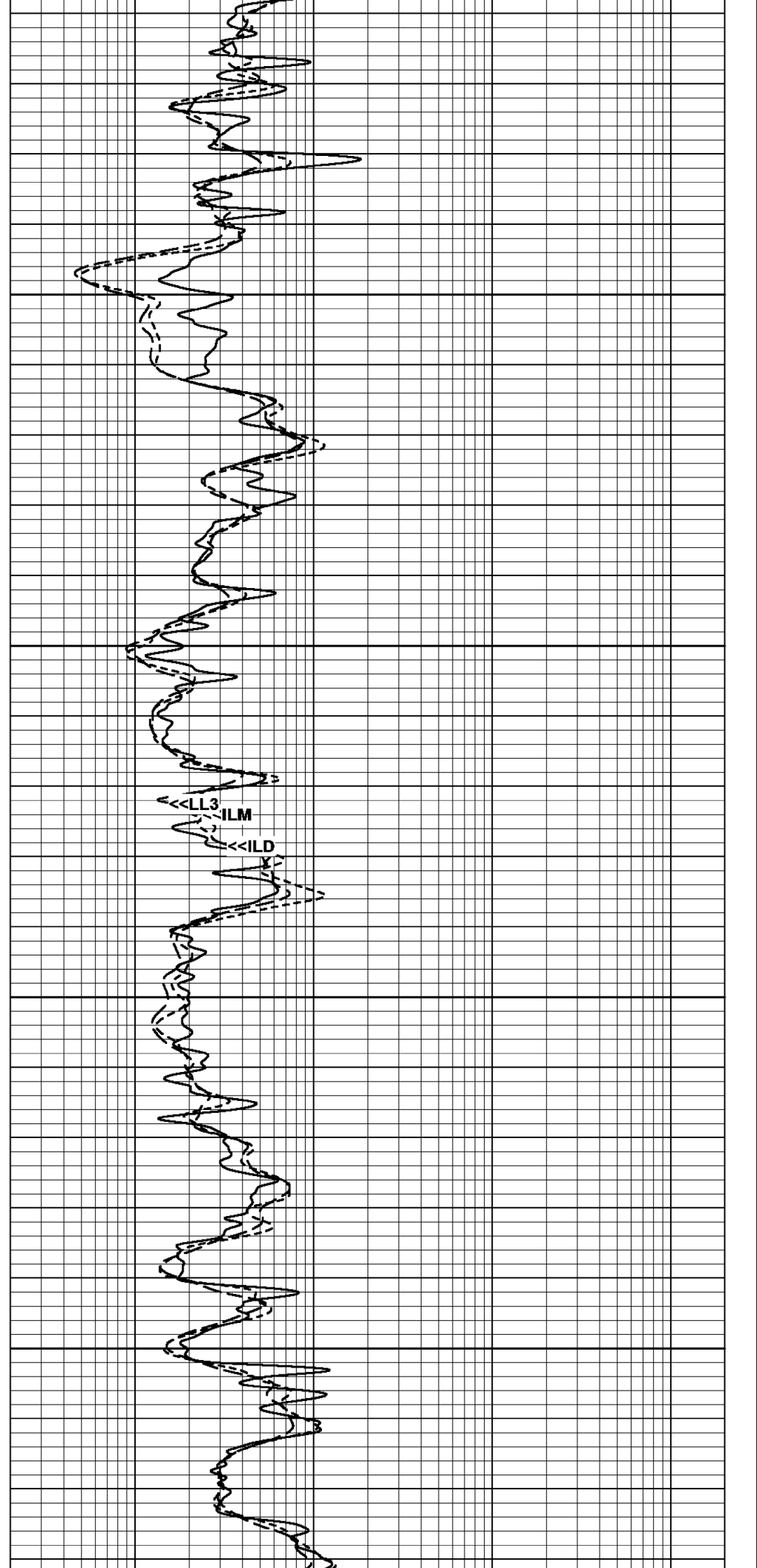
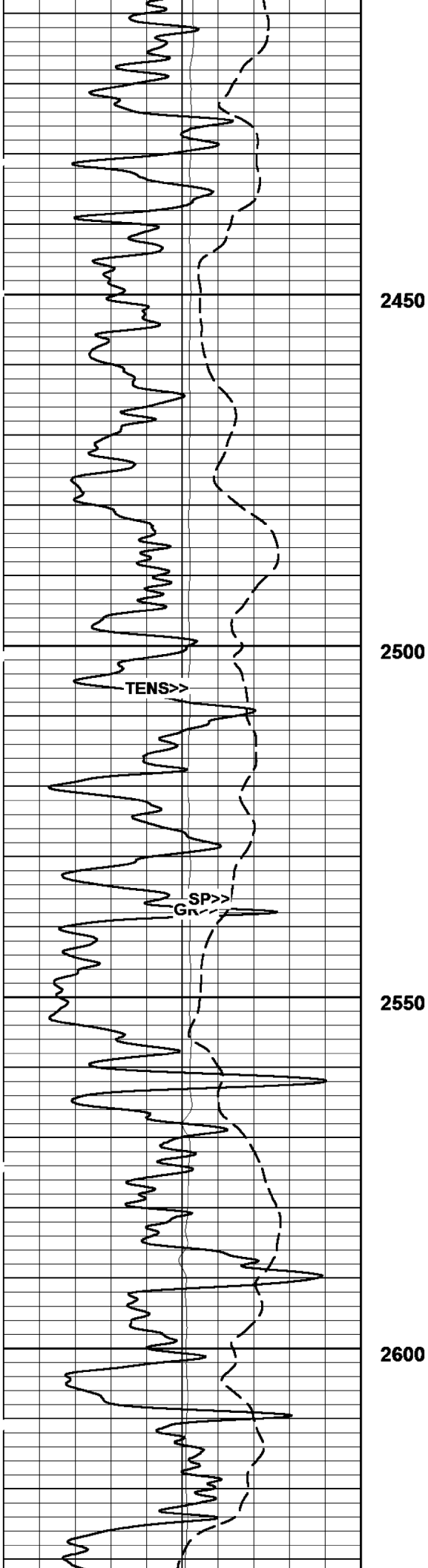


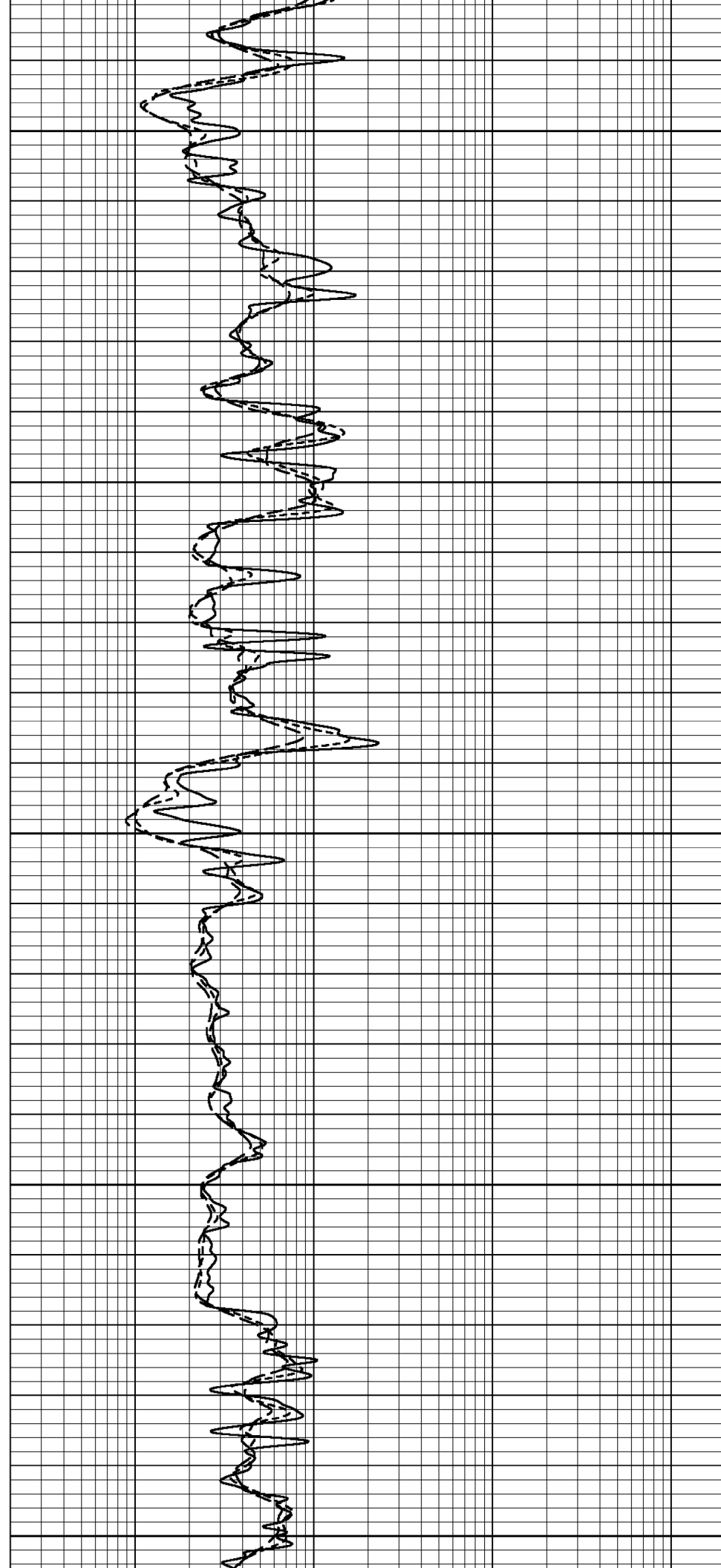
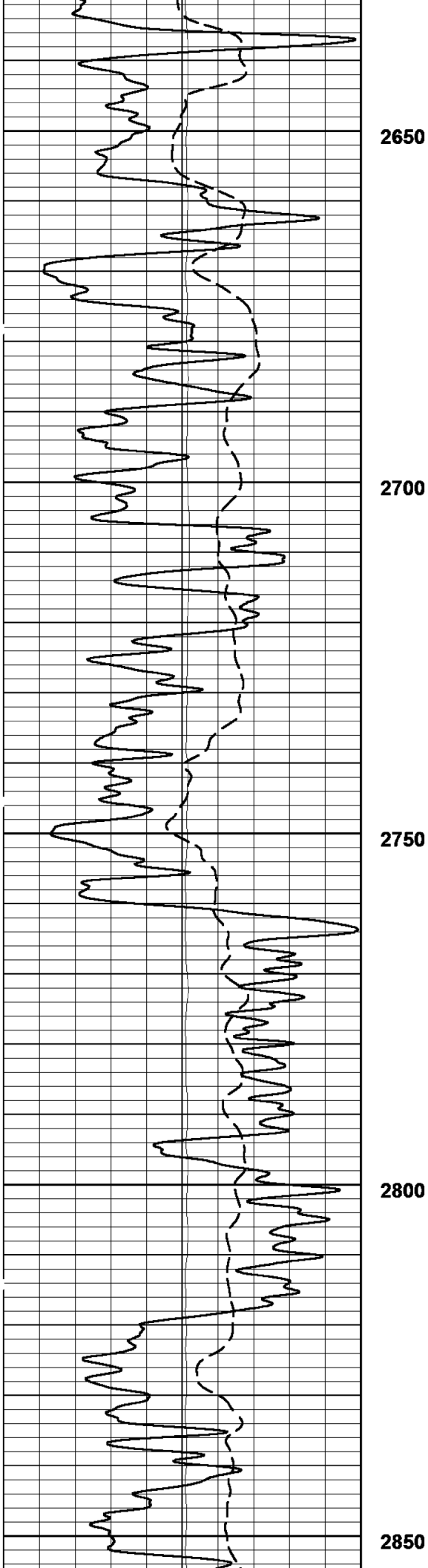


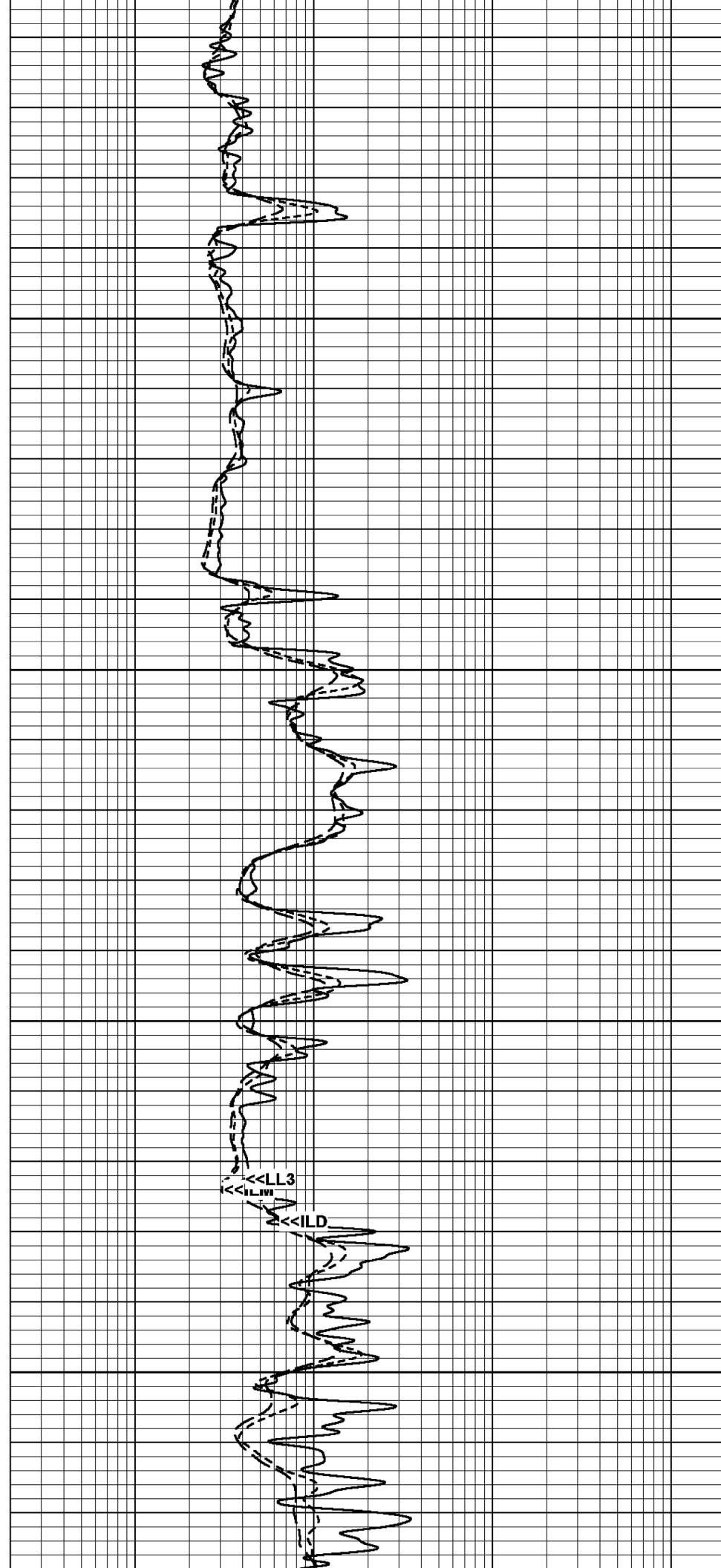
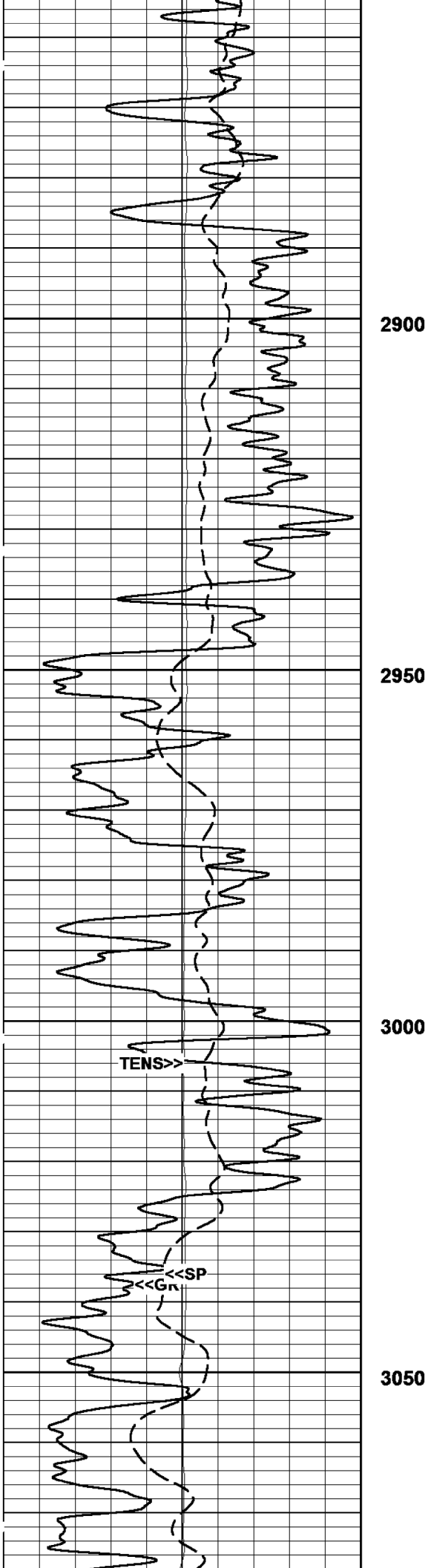












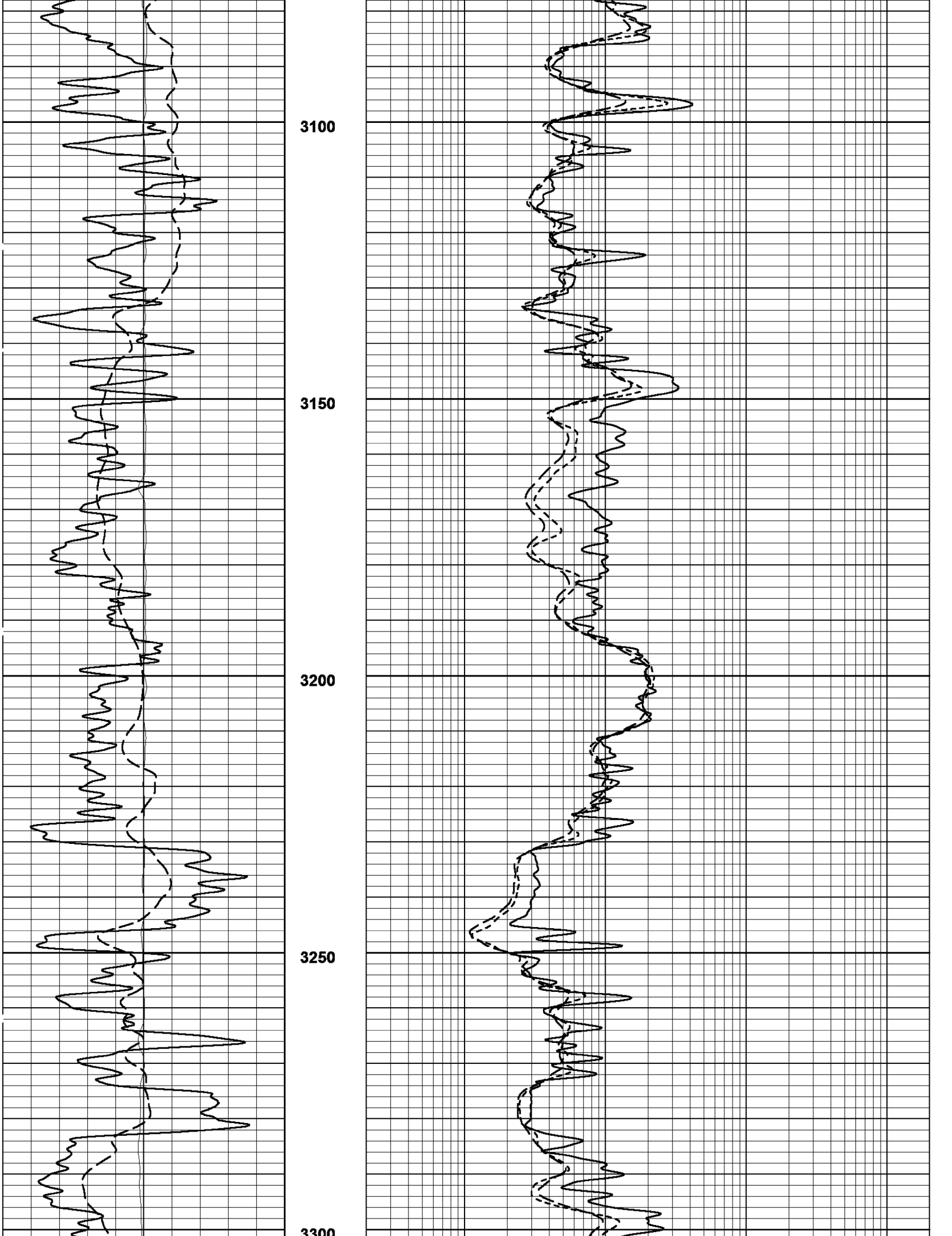
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3150

3200

3250

3300



3300

3350

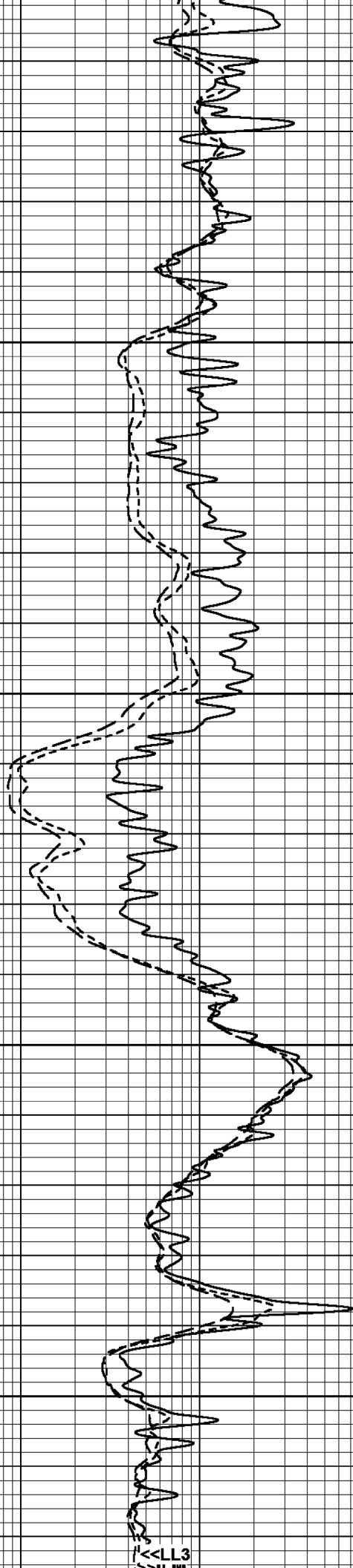
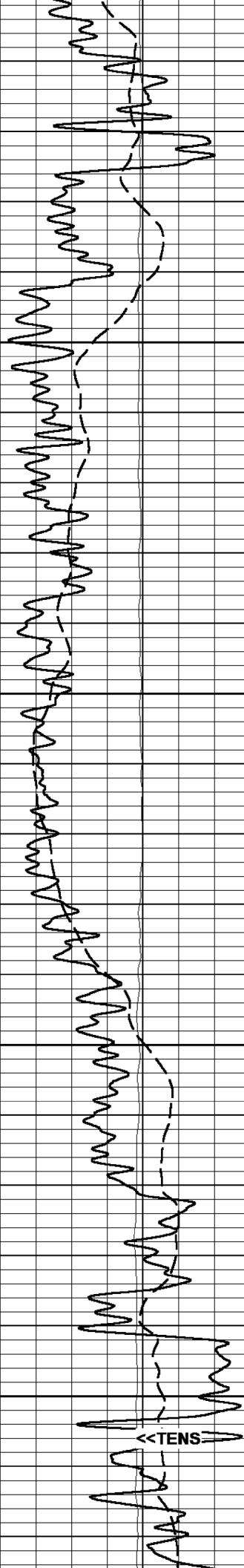
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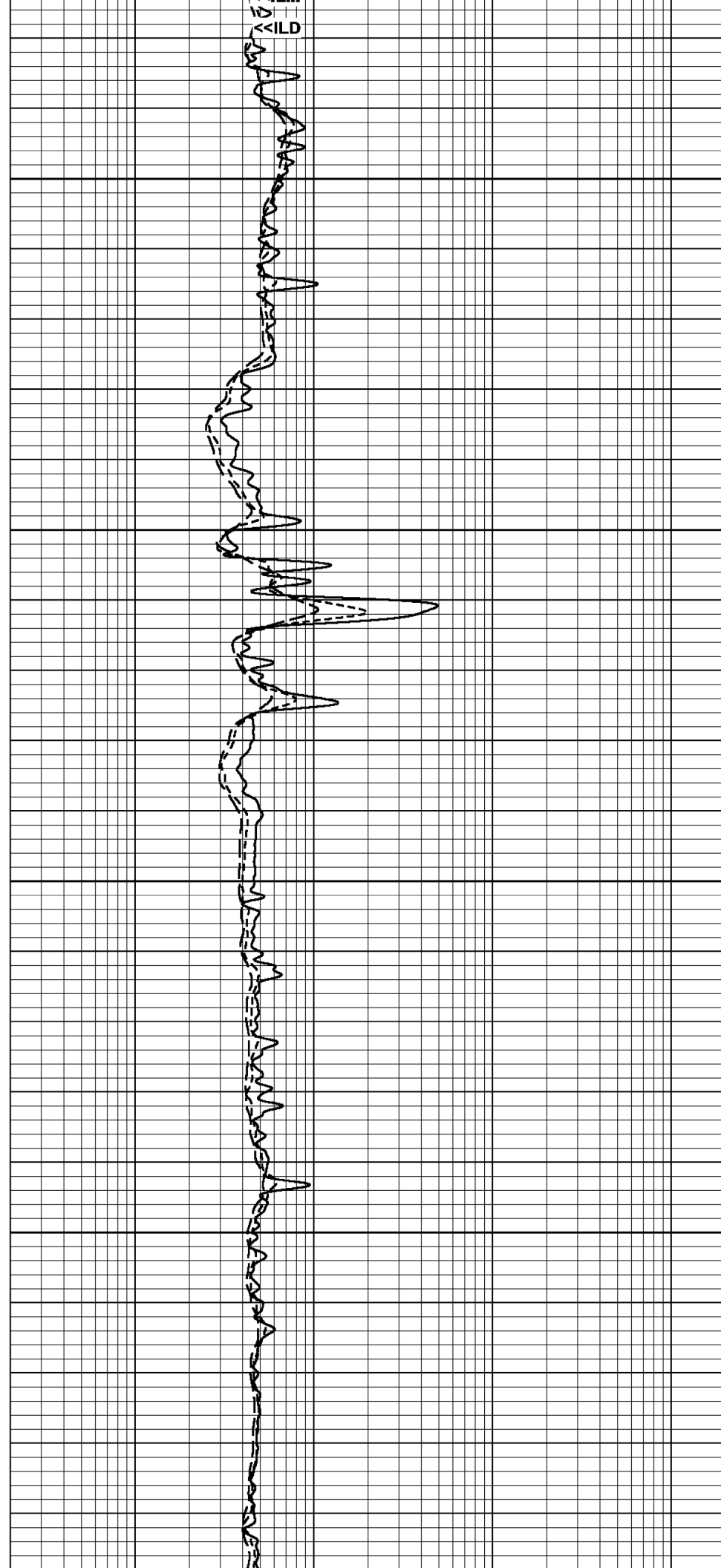
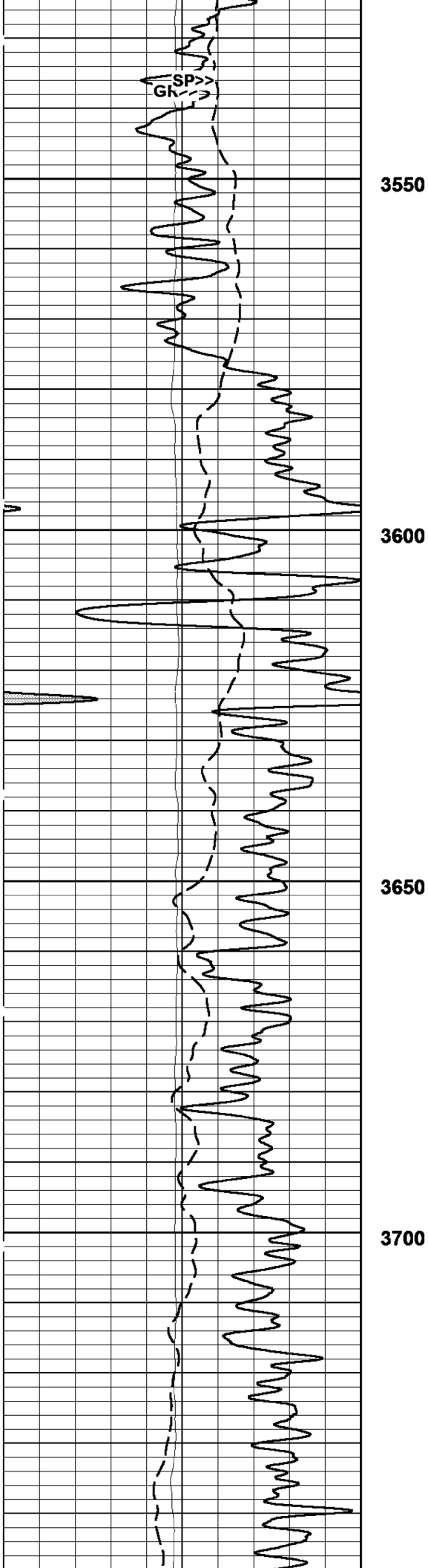
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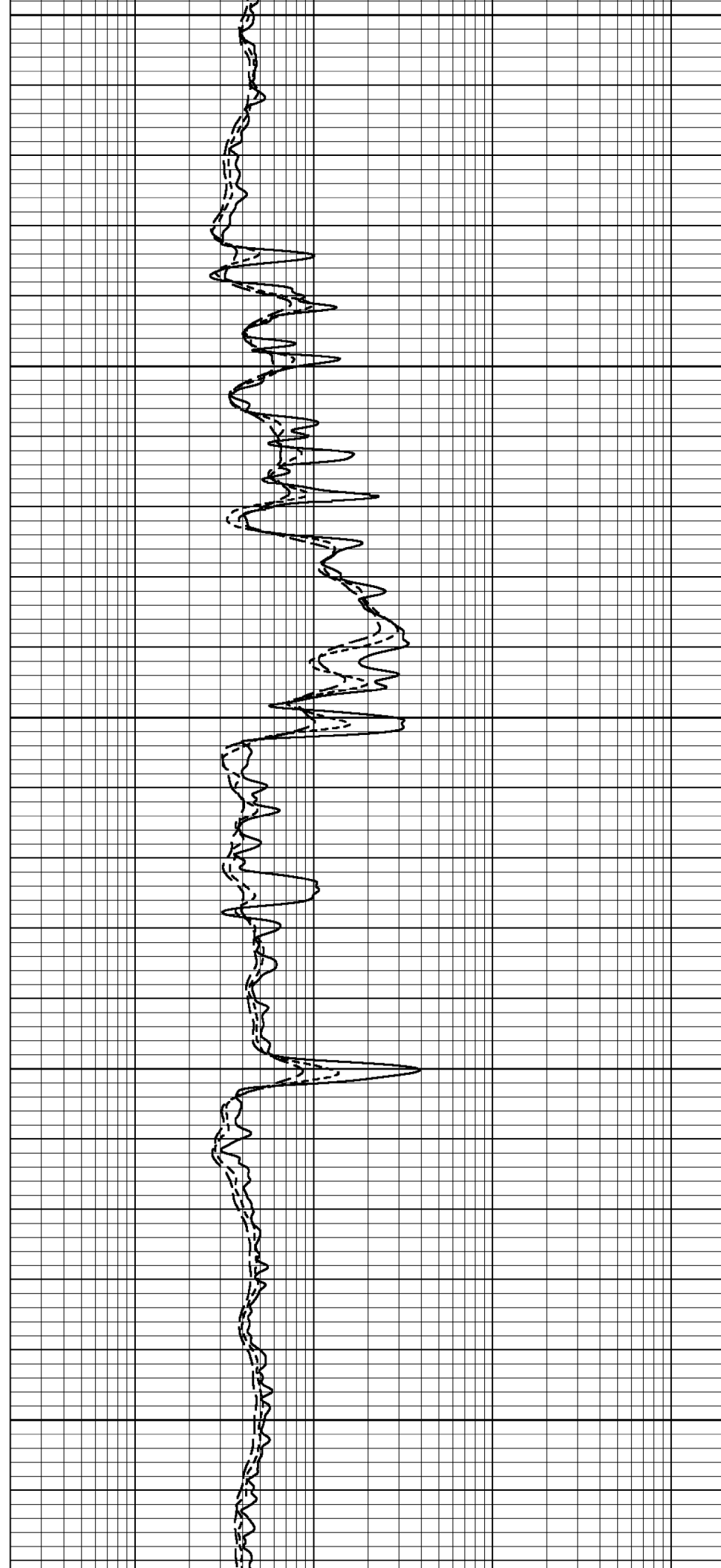
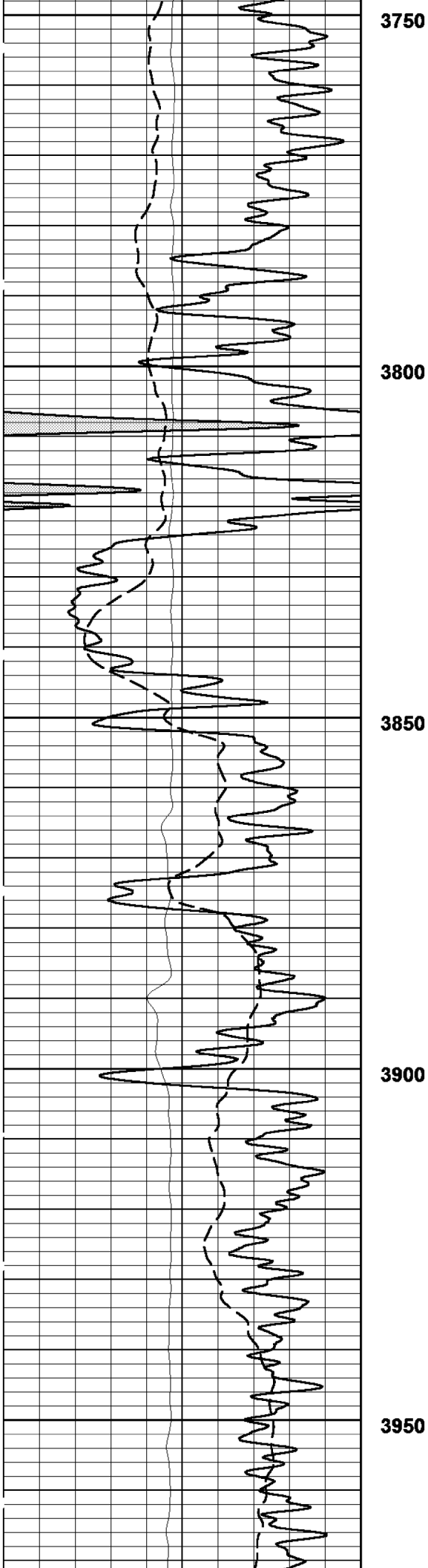
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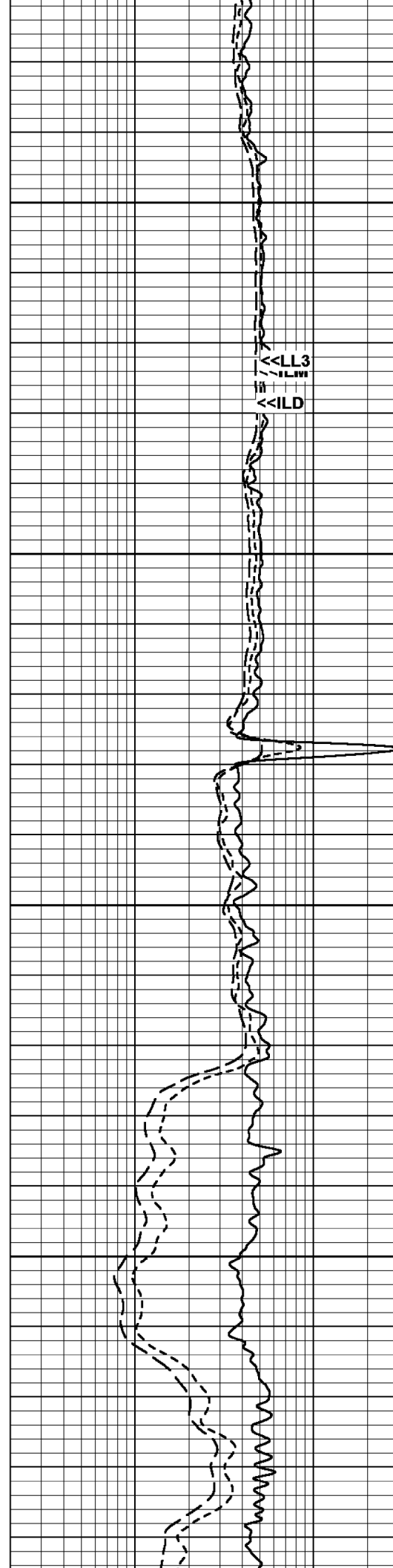
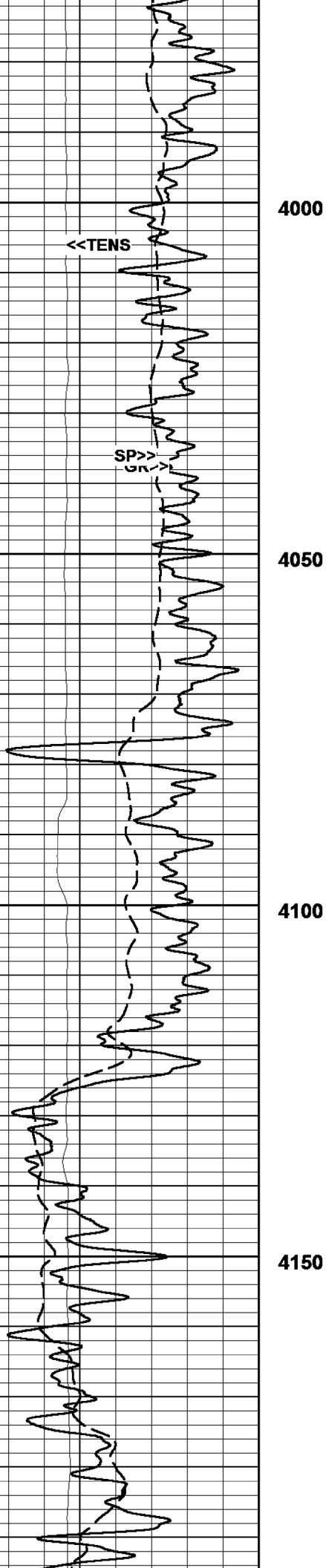
LL3

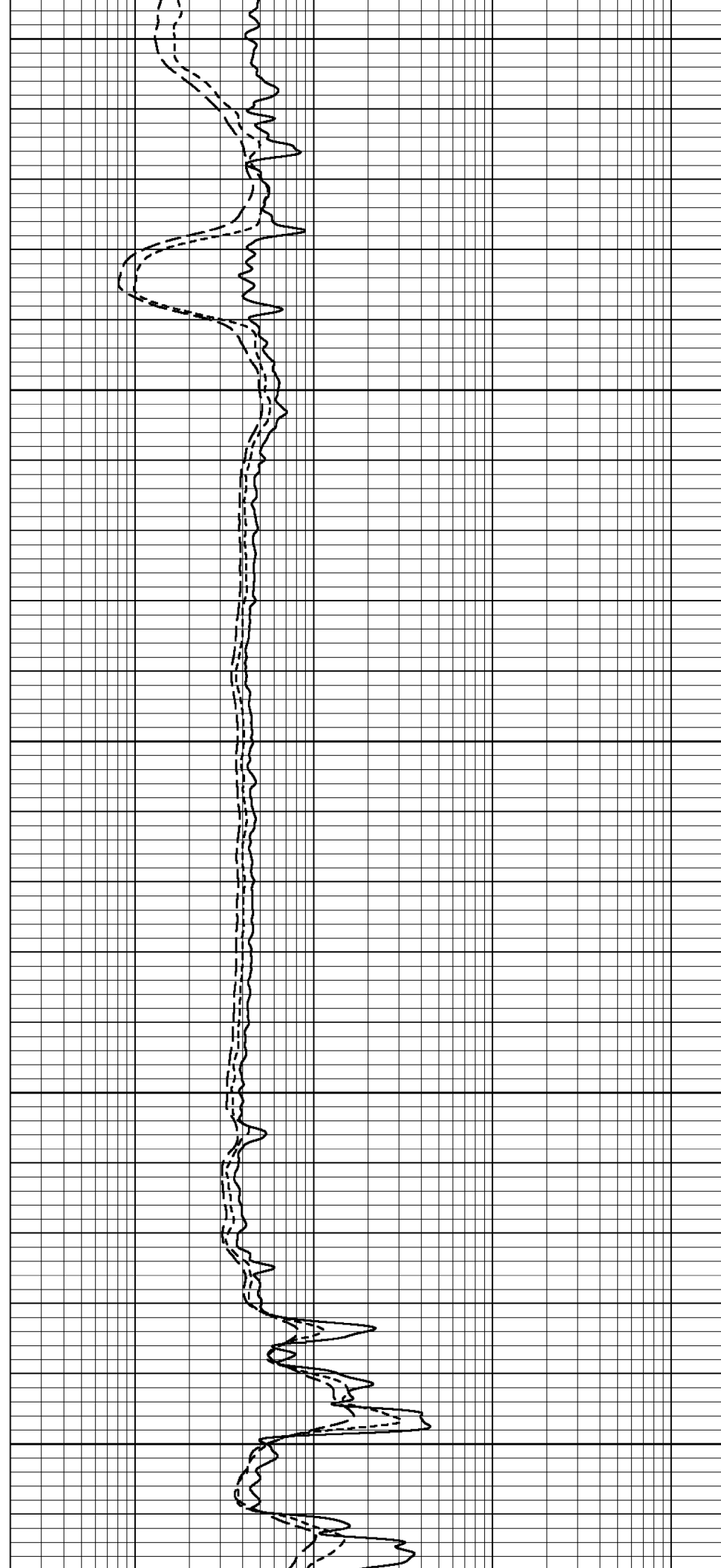
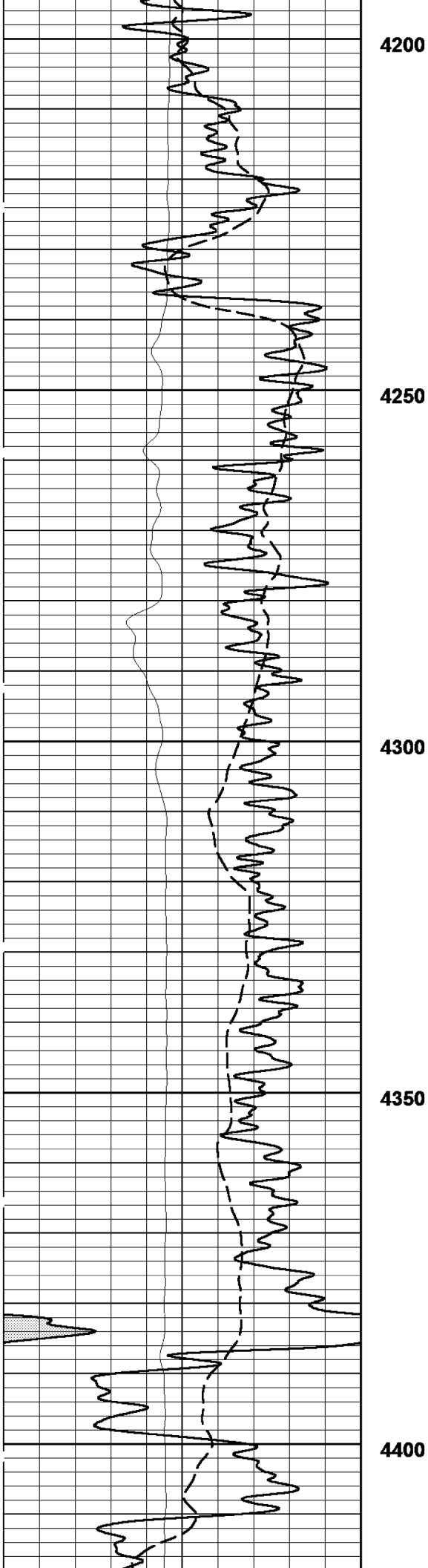
LL3

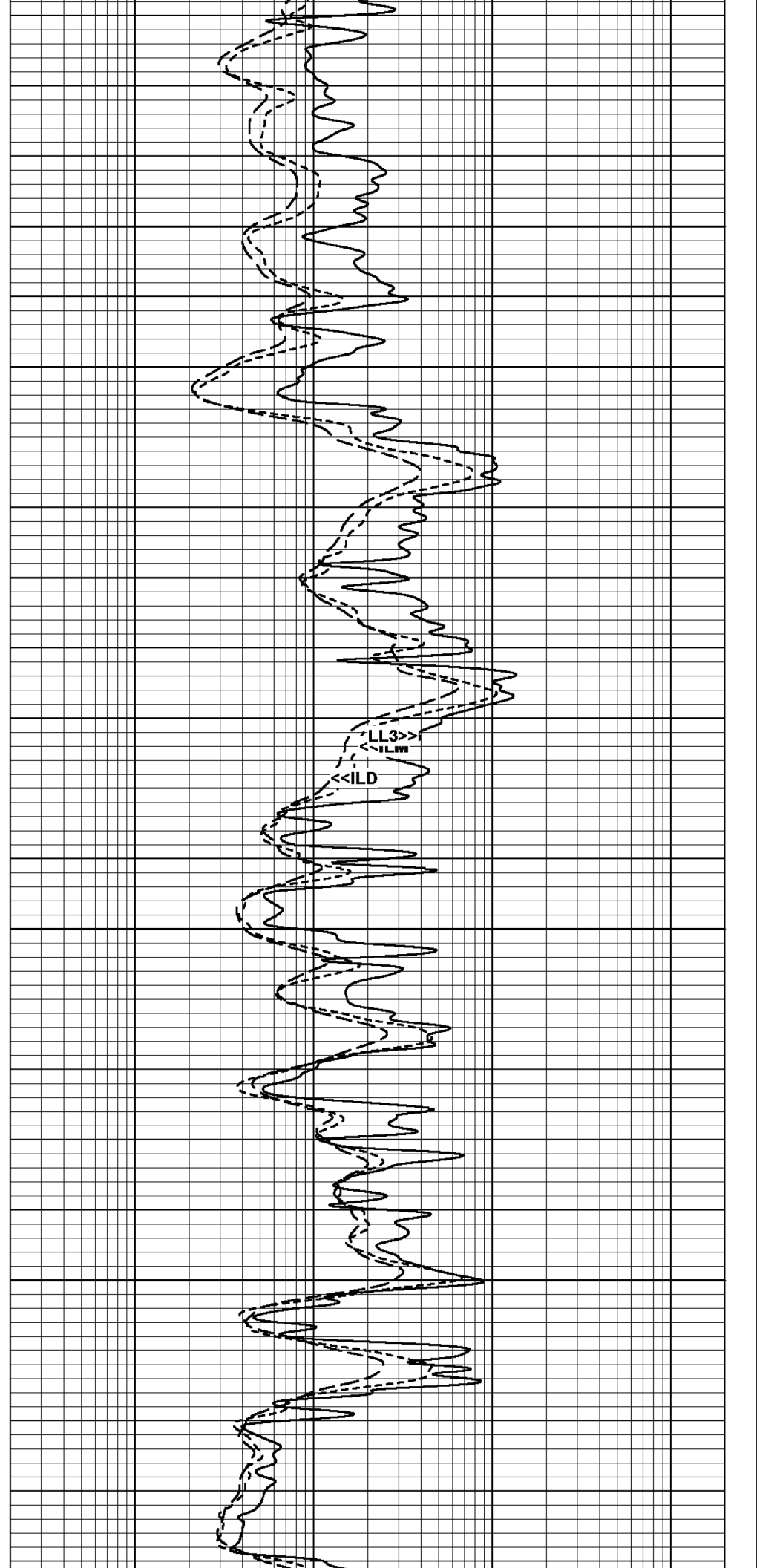
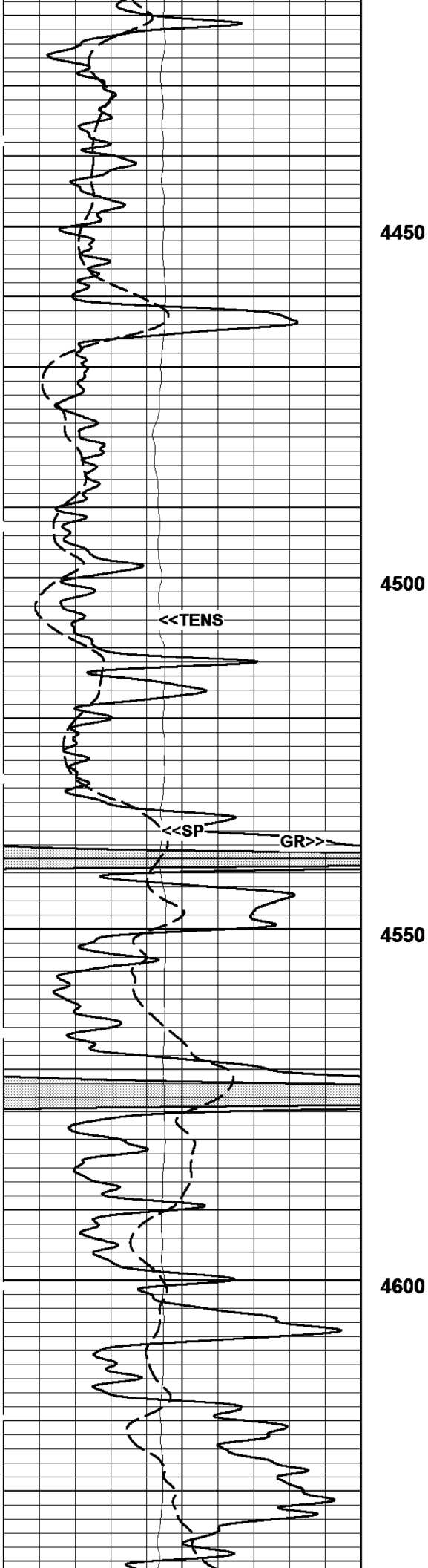


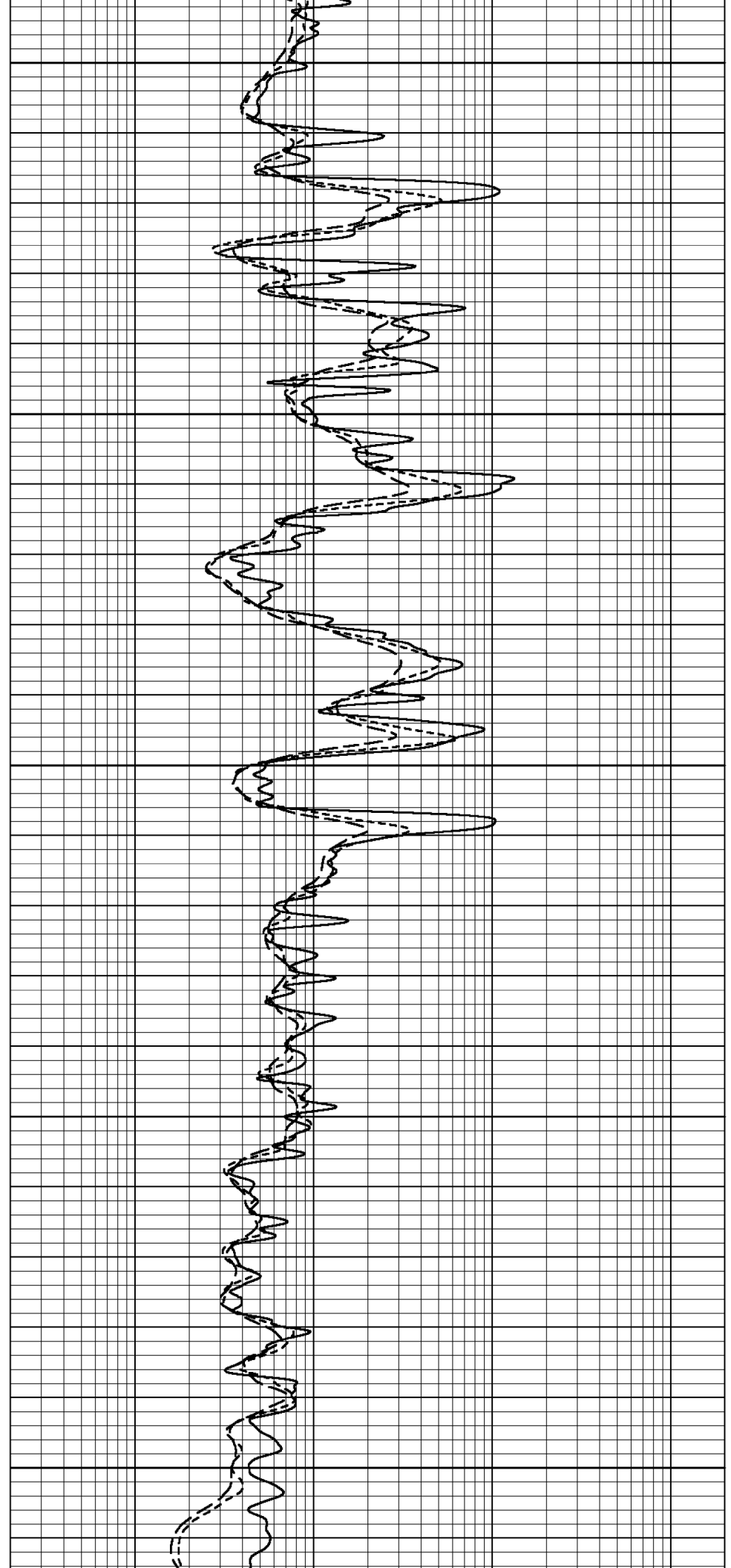
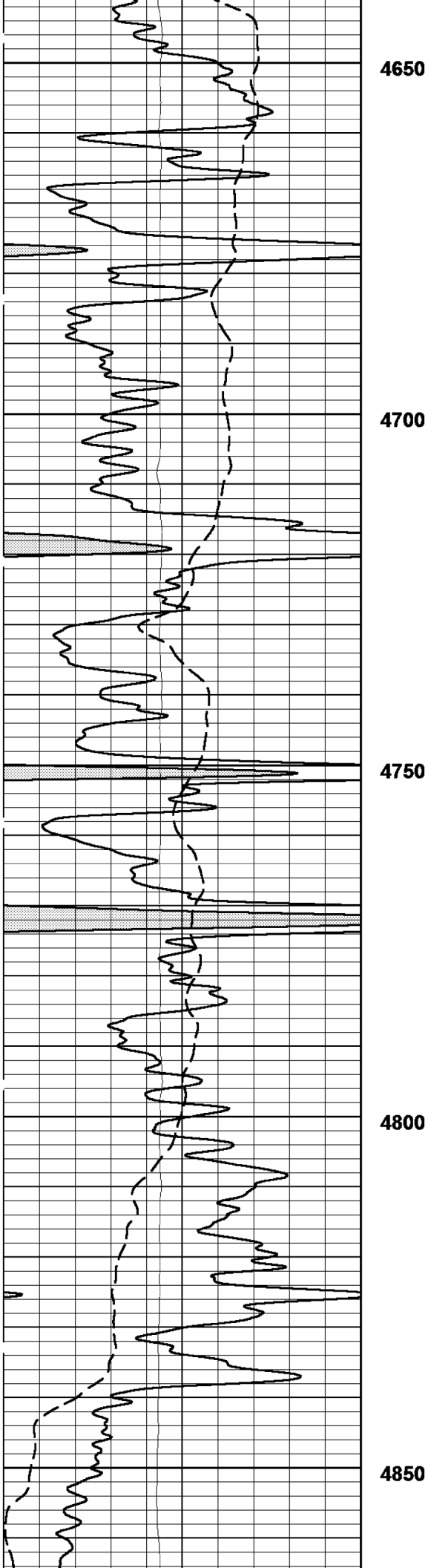


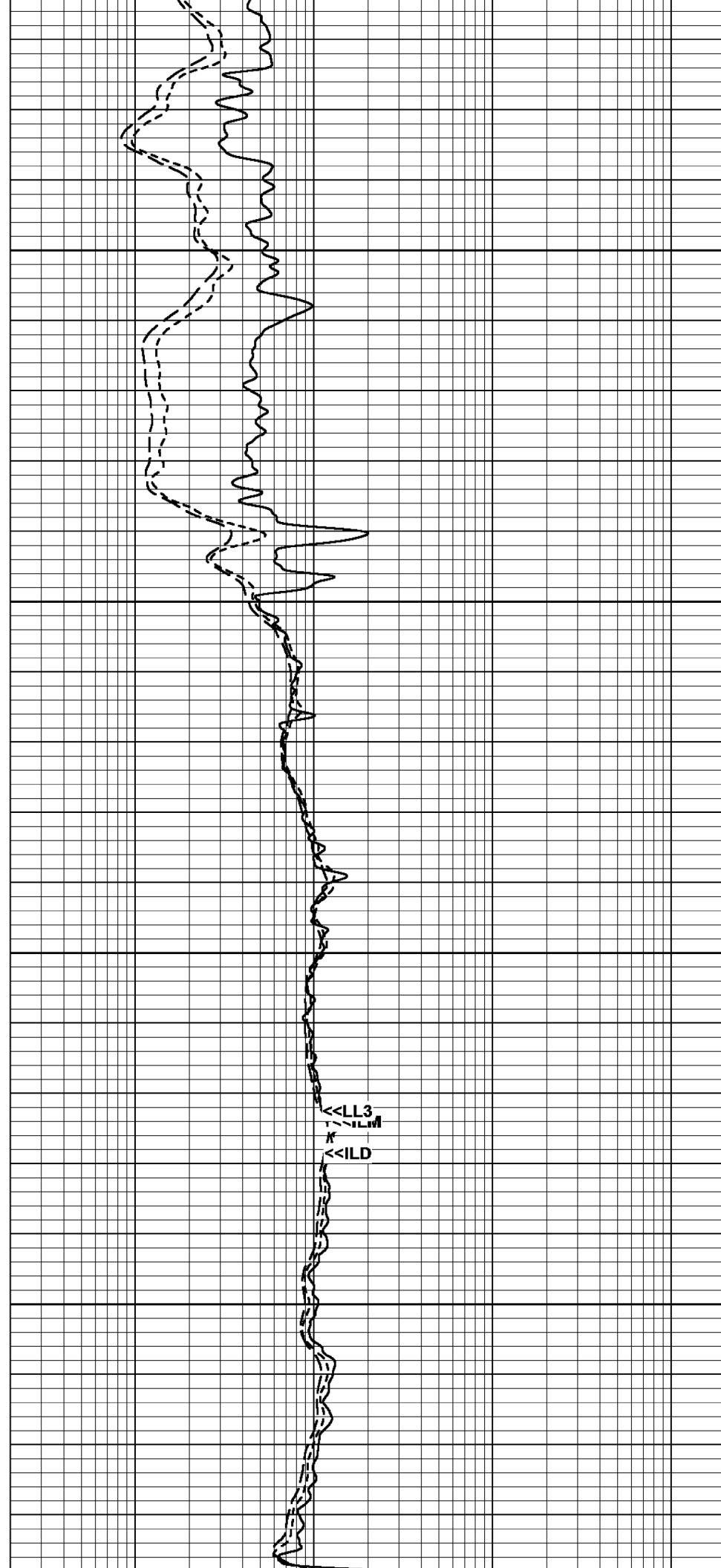
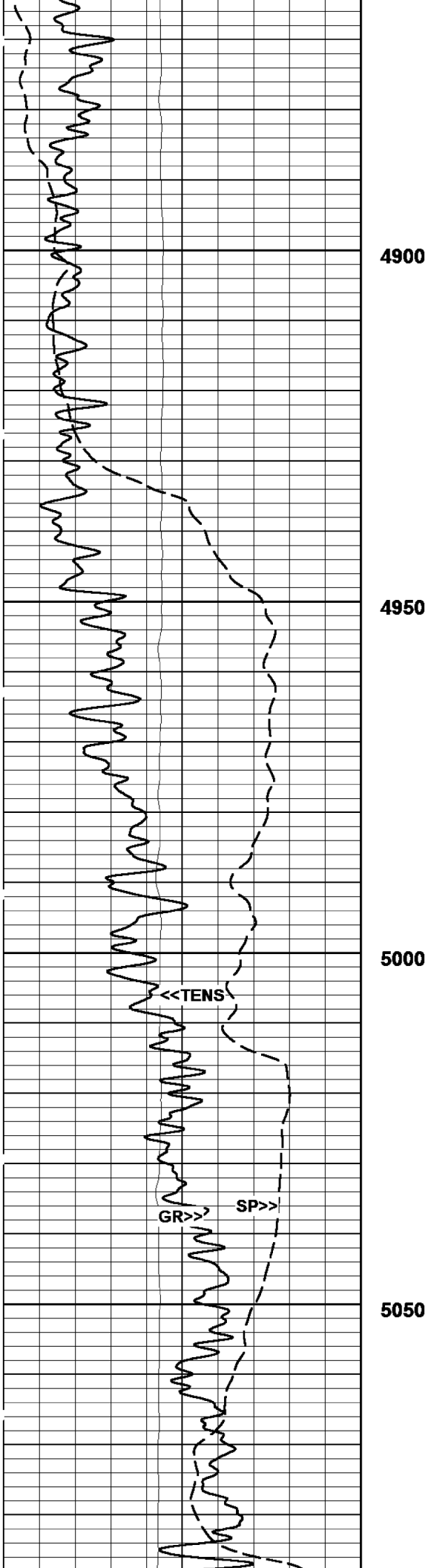


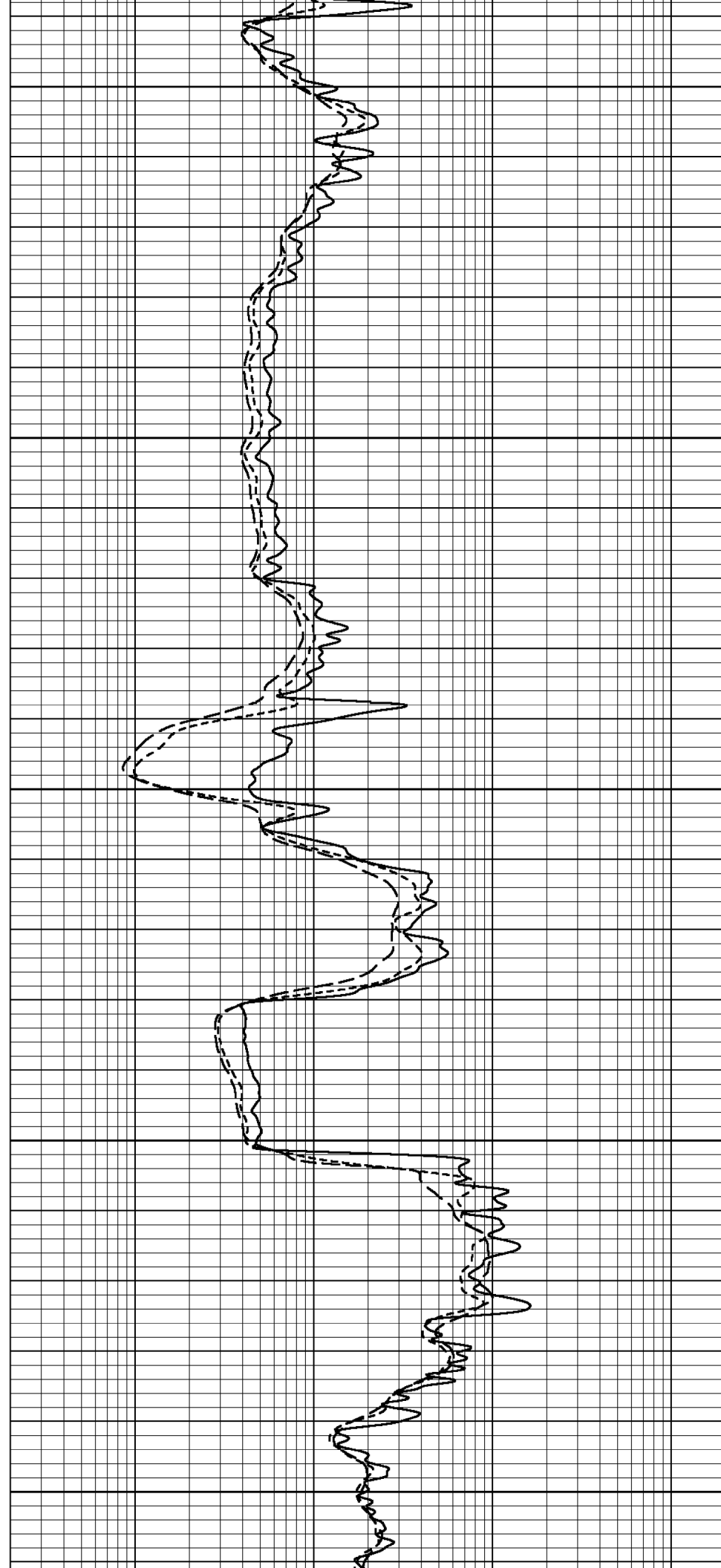
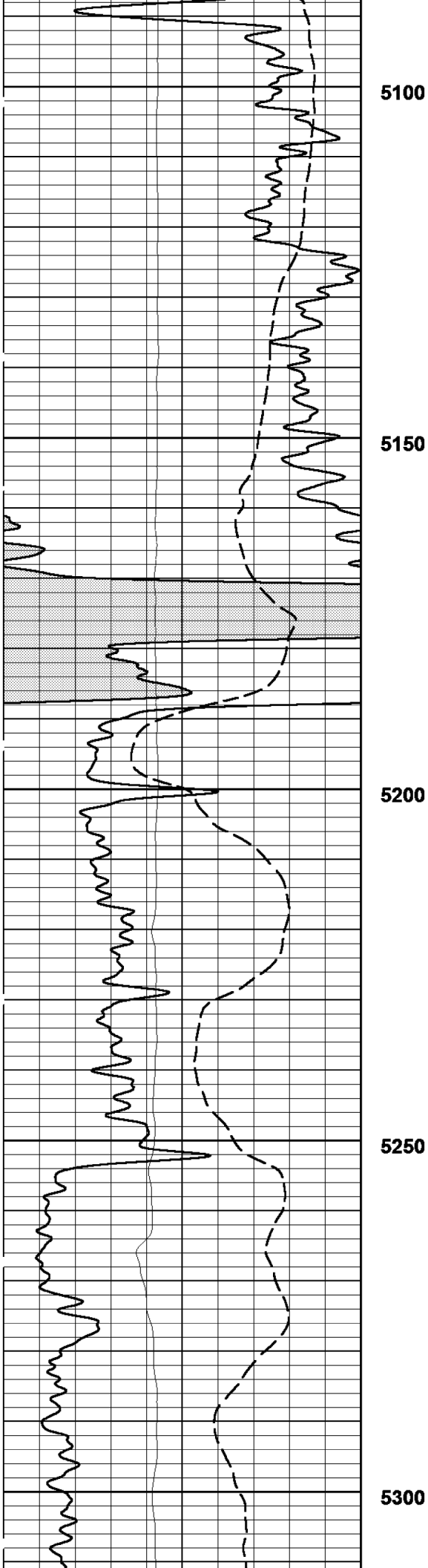


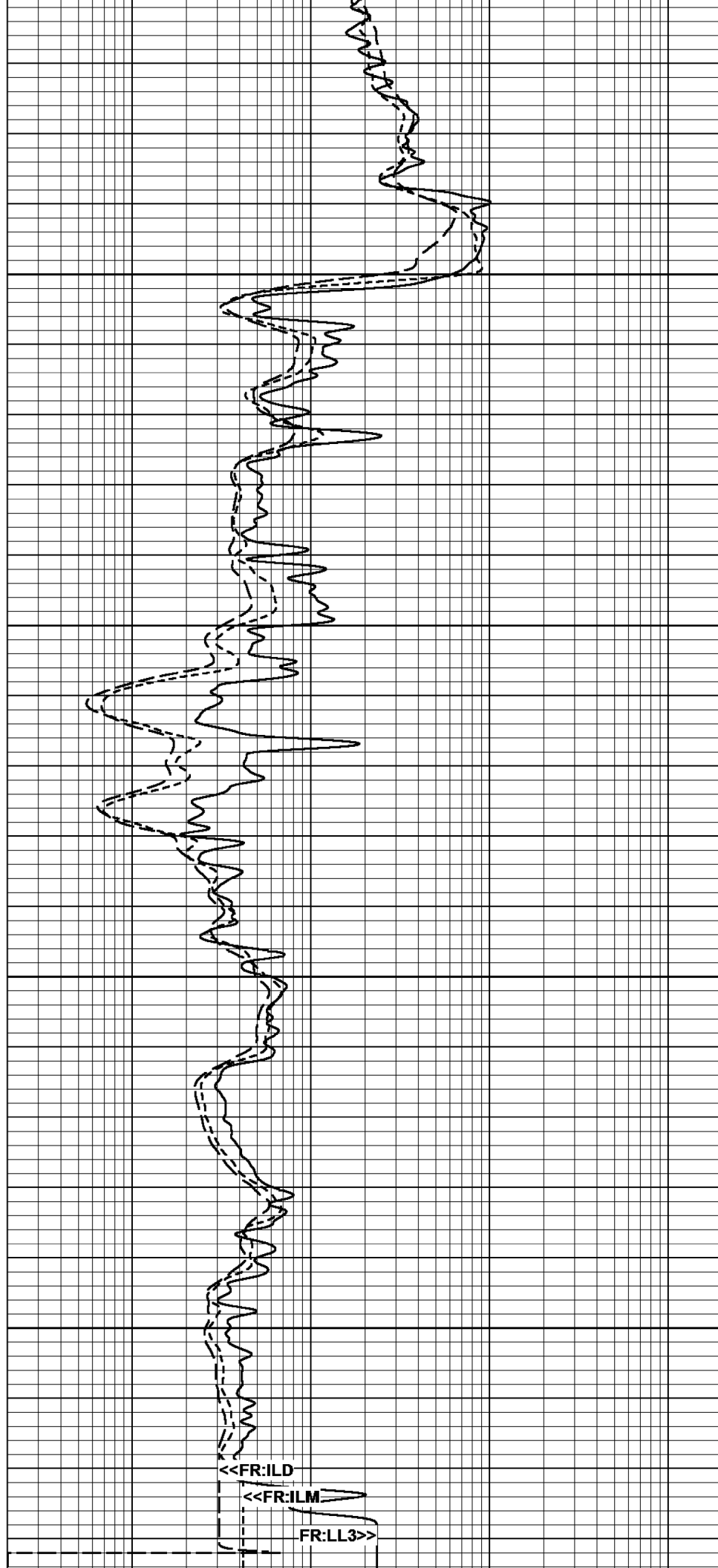
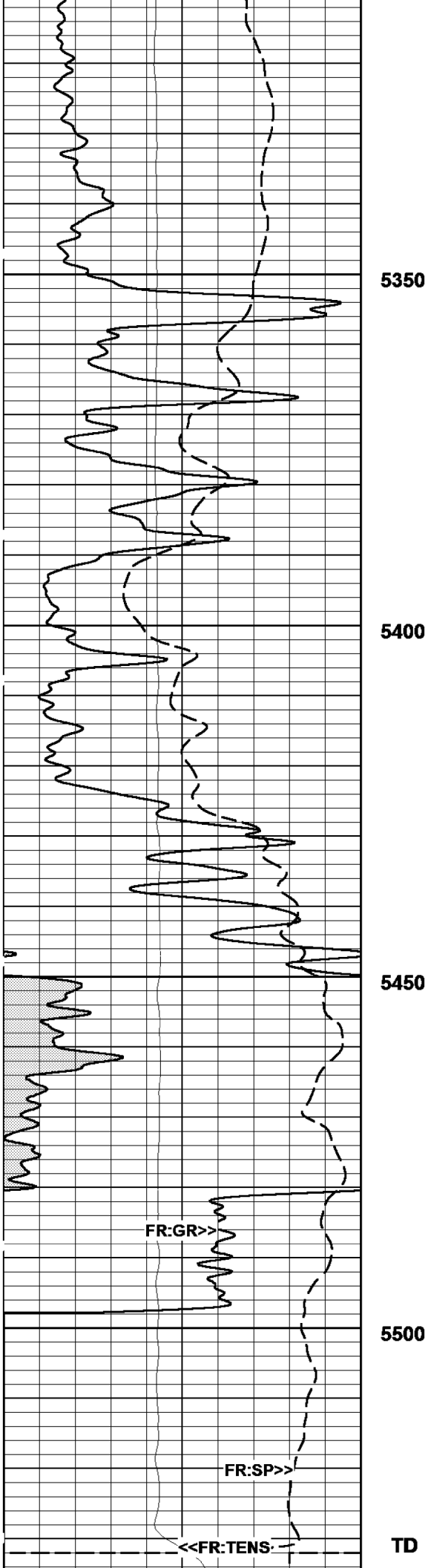


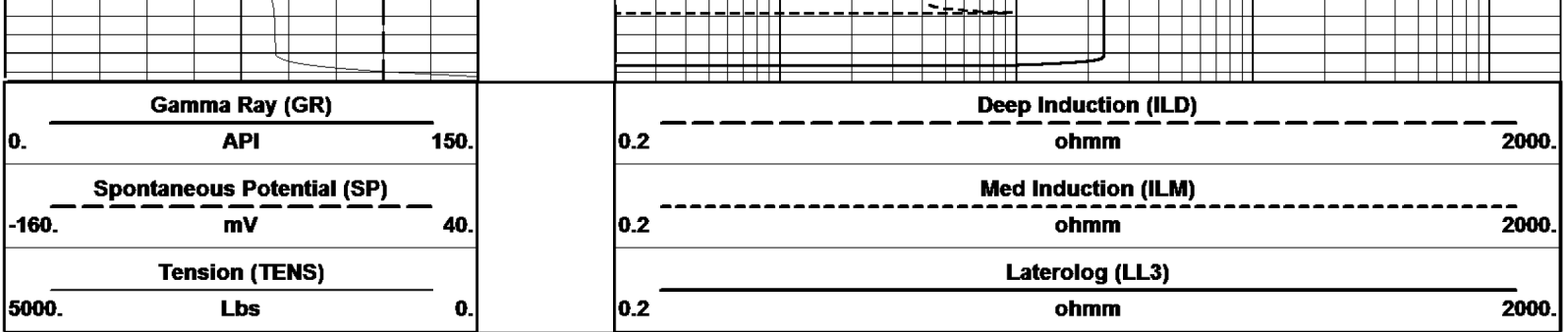












08/16/2014
17:20:55 => Start Time

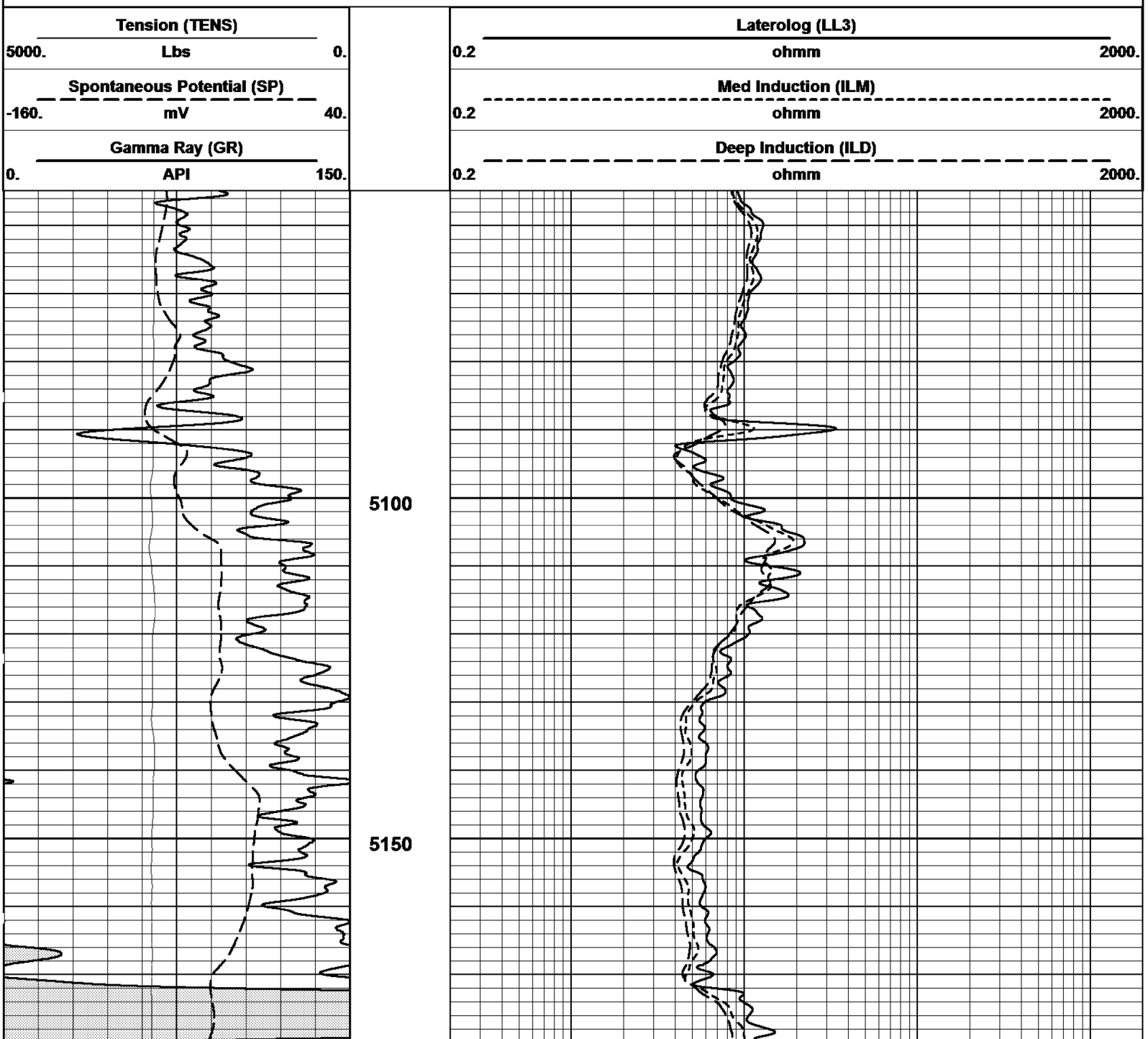
MAIN PASS (5"/100Ft)

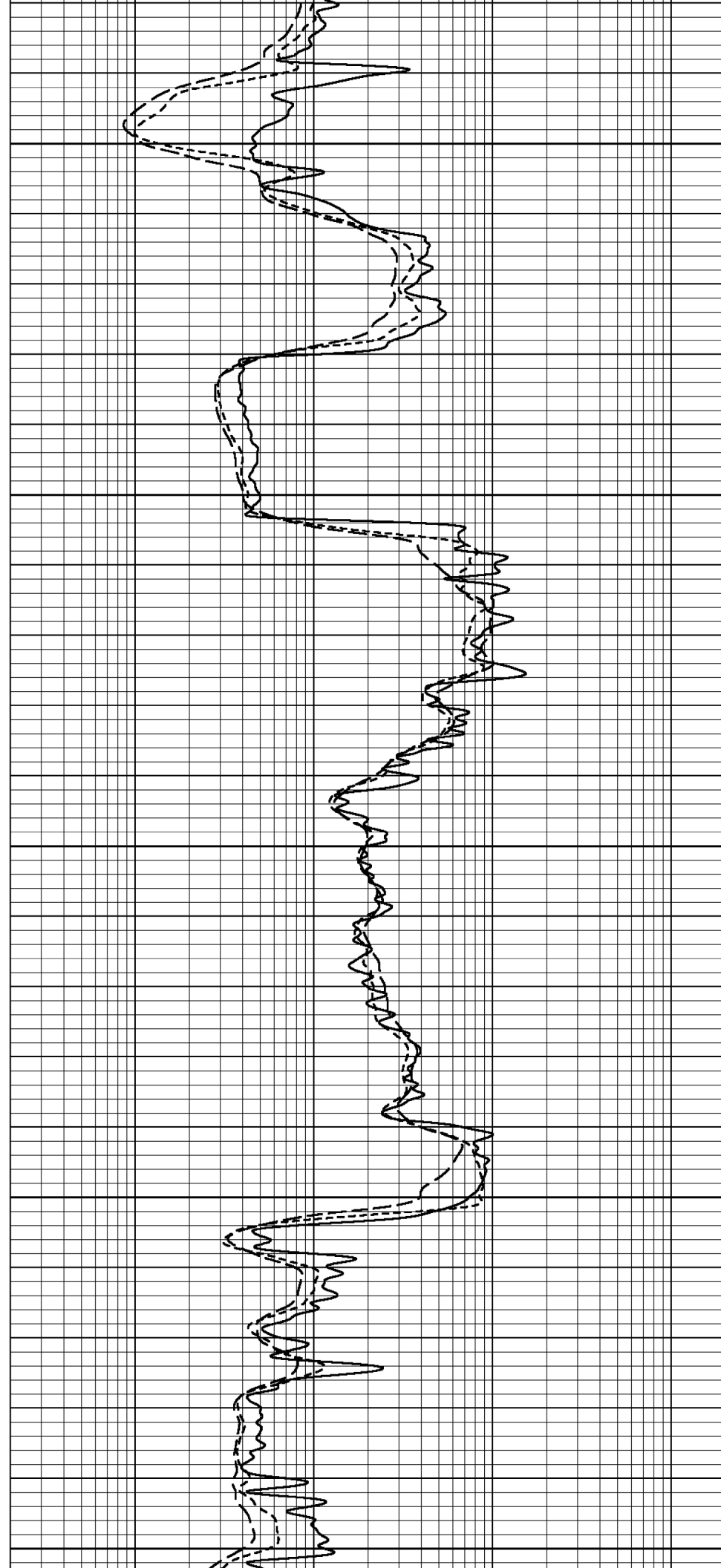
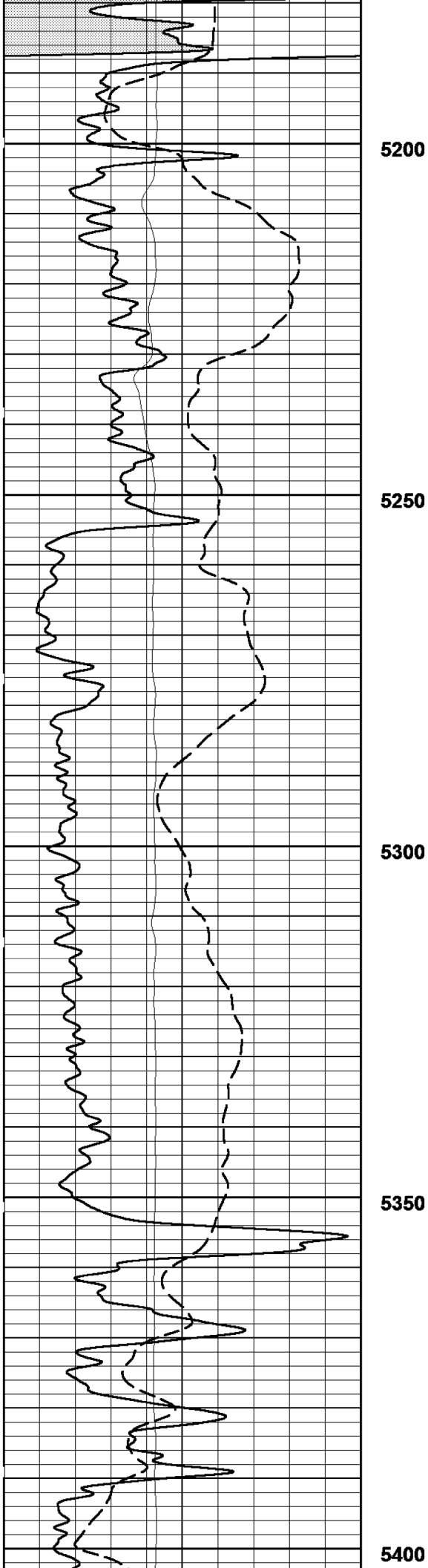
Log UP - (VER 11.19)
Start Depth=> 5542.90 Feet

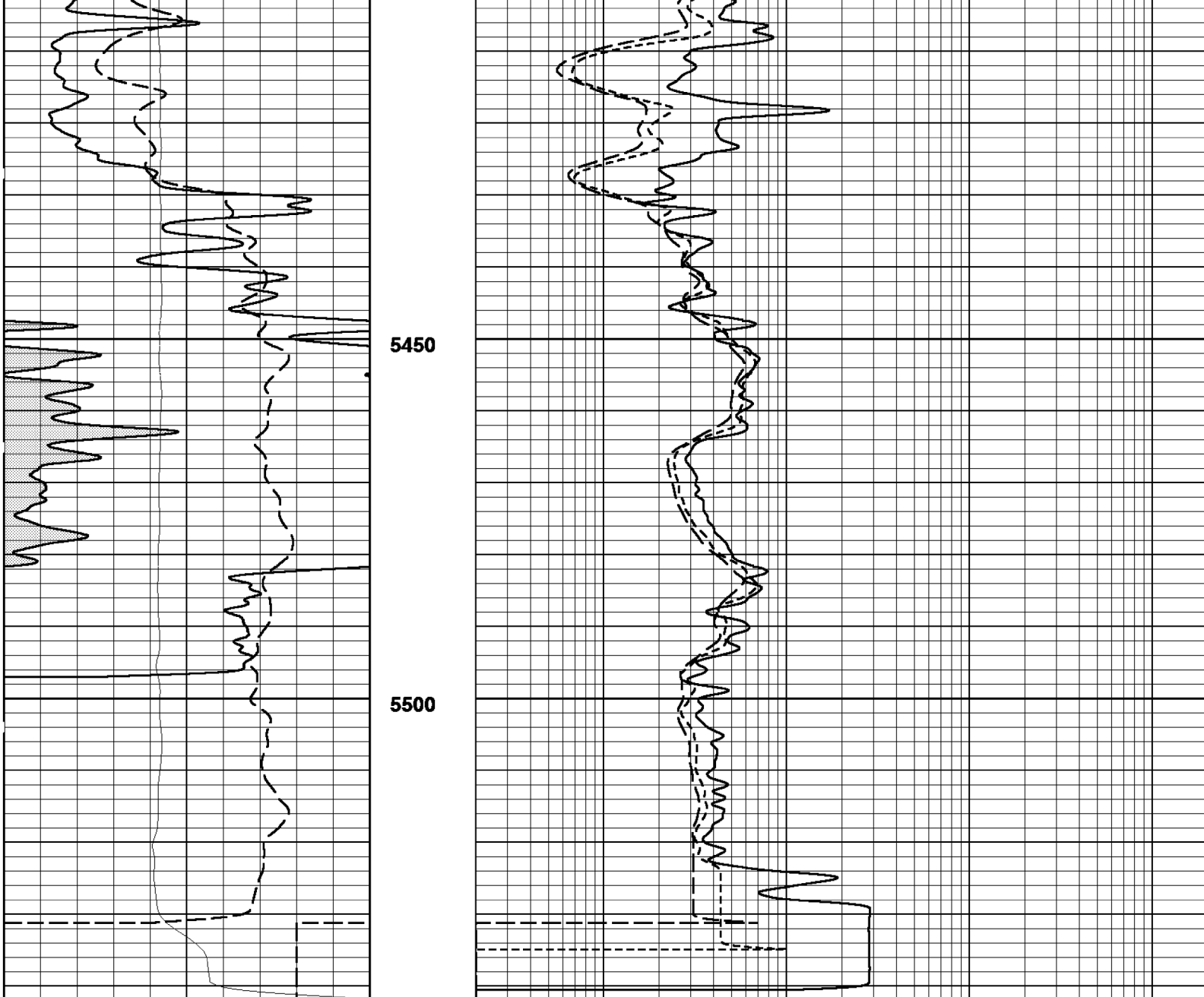
08/16/2014
17:16:20 => End Time

REPEAT PASS (5"/100Ft)

Log UP - (VER 11.19)
End Depth=> 5055.10 Feet







Gamma Ray (GR)		Deep Induction (ILD)	
0.	API	0.2	ohmm
150.		2000.	
Spontaneous Potential (SP)		Med Induction (ILM)	
-160.	mV	0.2	ohmm
40.		2000.	
Tension (TENS)		Laterolog (LL3)	
5000.	Lbs	0.2	ohmm
0.		2000.	

08/16/2014
17:03:31 ⇒ Start Time

REPEAT PASS (5"/100ft)

Log UP - (VER 11.19)
Start Depth⇒ 5542.10 Feet

Induction Resistivity / Conductivity Calibrations

TOOL TYPE
SERIAL NUM

Slim Hole Induction
RD1011

LOOP TYPE
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	400.231	11.814	652.020	M/D/Y: 8/5/2014	H-M-S: 11:0:25

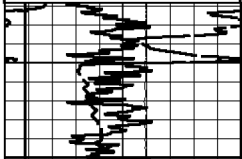
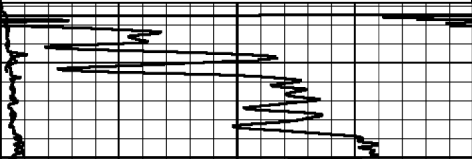
DEEP INDUCTION	0.000	400.000	499.231	-11.814	632.029	M/D/Y> 8/5/2014	H:M:S> 11:9:23
MED INDUCTION	0.000	462.500	501.895	14.486	720.462	M/D/Y> 8/5/2014	H:M:S> 11:15:57
SHALLOW LATERLOG	CALIBRATOR LOW(ohm)	CALIBRATOR HI(ohm)	LOW(mV)	HI(mV)			
	2.000	500.000	11.666	2543.098	M/D/Y> 8/5/2014	H:M:S> 11:23:45	
WELL SITE CALIBRATIONS							

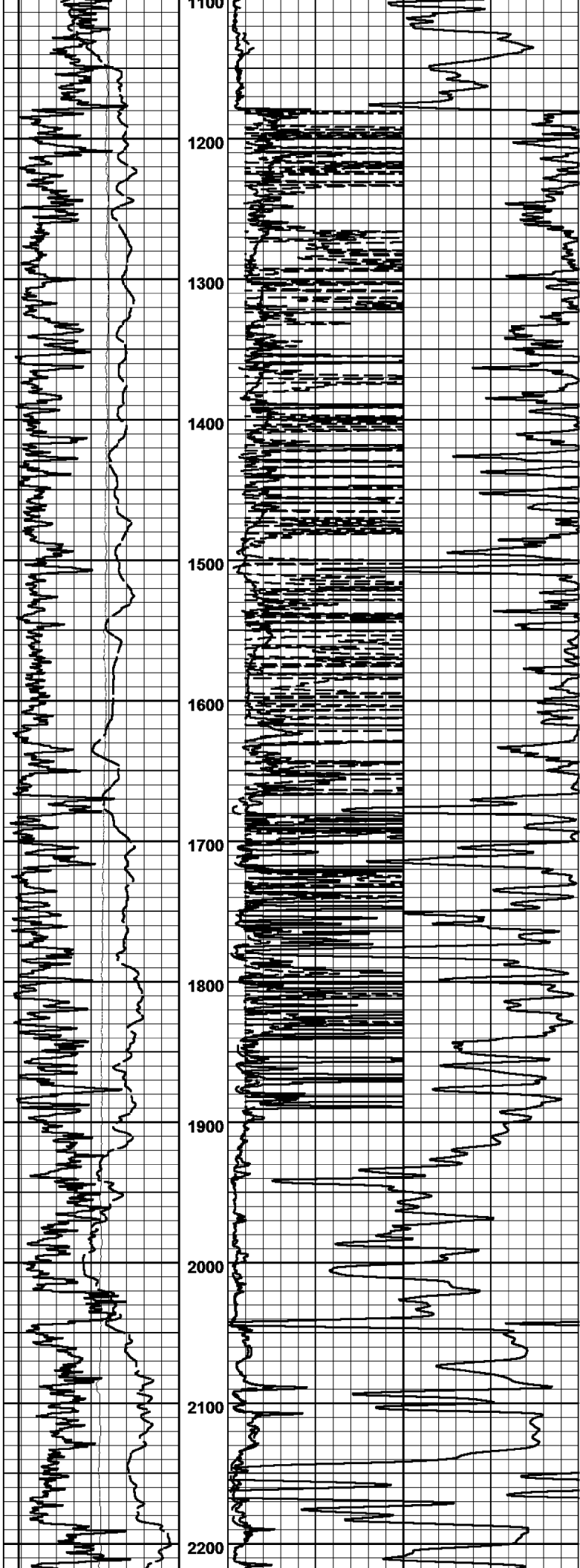
GAMMA RAY CALIBRATION					
SERIAL NUM		RG3011			
BLANKET NUM		1A			
MASTER CALIBRATIONS					
	BackGrnd	CalVal: 159.000 API	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	62.520 - raw	342.001 - raw	0.569 - gain 0.000 - off	M/D/Y> 8/5/2014	H:M:S> 9:6:0

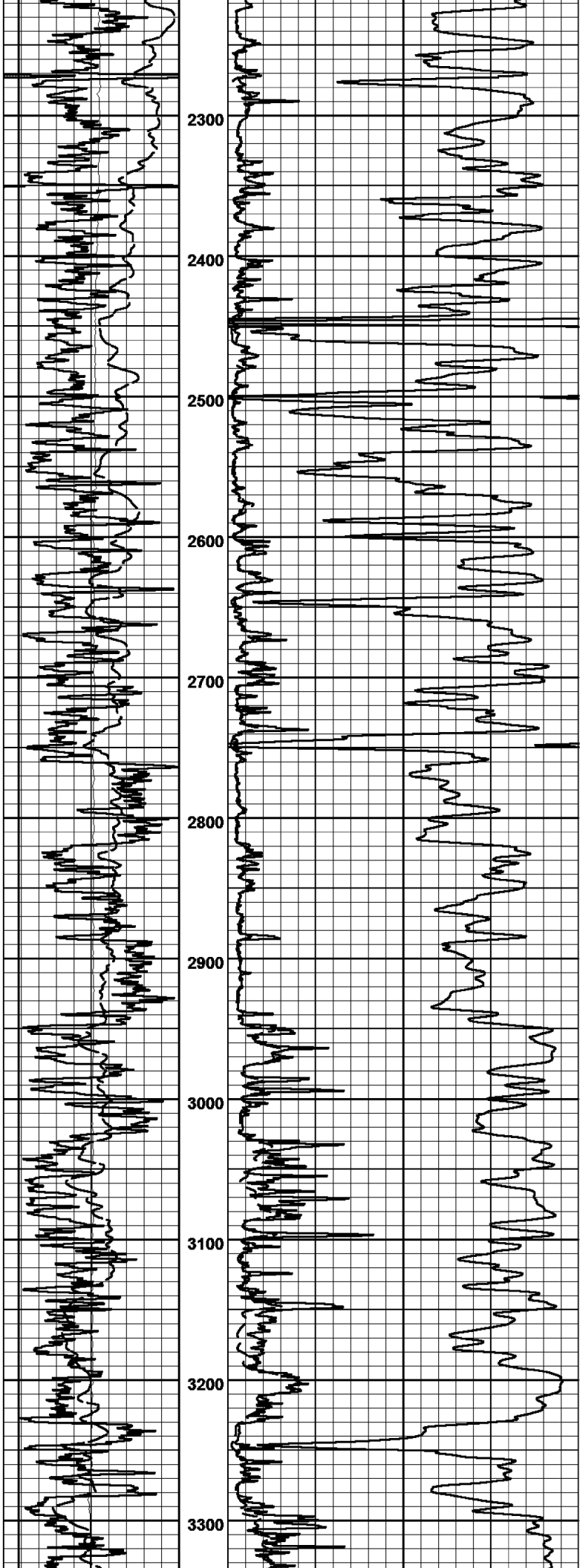
Company	CMX, INC.
Well	BARTENDER SWD #1-18
Field	STRANATHAN
County	BARBER
State	KANSAS

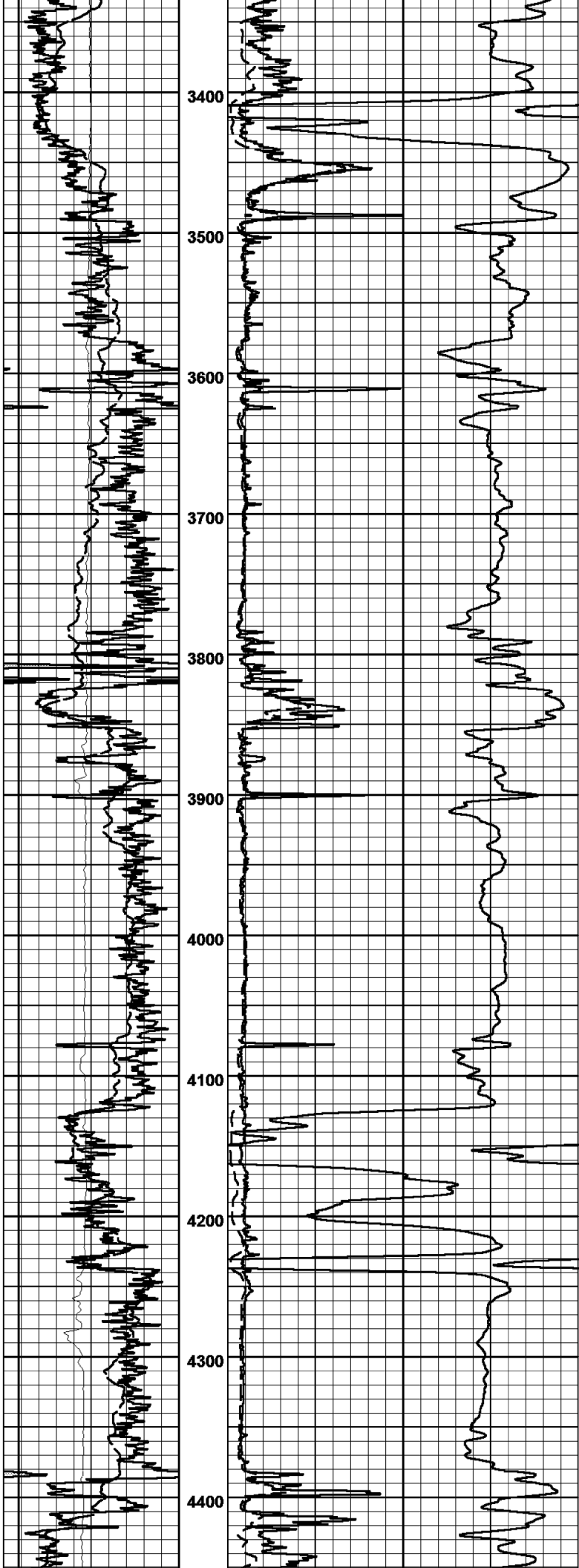


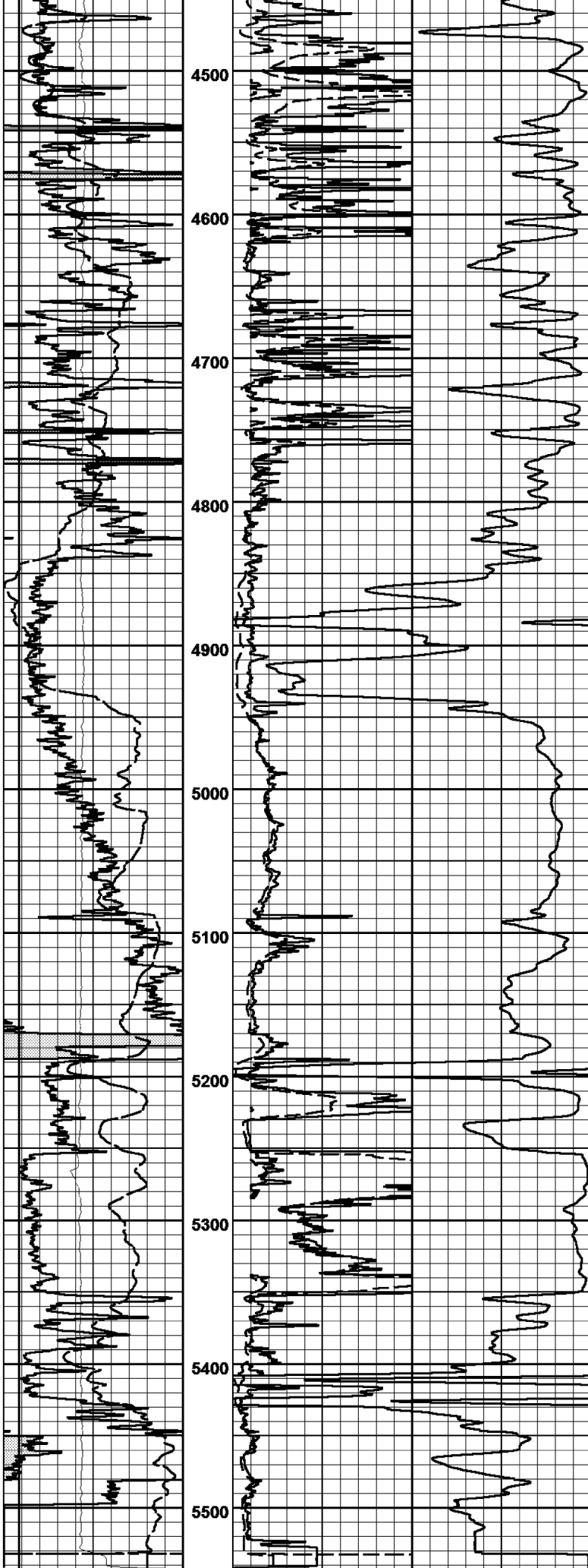
DUAL INDUCTION
 LATEROLOG - SP
 GAMMA RAY

08/16/2014		MAIN PASS (1"/100FT) Log UP - (VER 11.19)	
18:51:26 => End Time		End Depth=> 1019.50 Feet	
Tension (TENS)	Laterolog (LL3)		
5000. Lbs 0.	0. ohmm 50.		
ontaneous Potential (SP)	Deep Induction (ILD)		
-160. mV 40.	0. ohmm 50.		
Gamma Ray (GR)	Deep Induction (CILD)		
0. API 150.	1000. mmhos 0.		
			









Gamma Ray (GR)

Deep Induction (CILD)

0.	API	150.	1000.	mmhos	0.
ontaneous Potential (SP)			Deep Induction (ILD)		
-160.	mV	40.	0.	ohmm 50.	
Tension (TENS)			Laterolog (LL3)		
5000.	Lbs	0.	0.	ohmm 50.	
08/16/2014 MAIN PASS (1"/100FT) Log UP - (VER 11.19)					
17:20:55 => Start Time			Start Depth=> 5542.50 Feet		



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 Petrotechnologies
 Ltd.