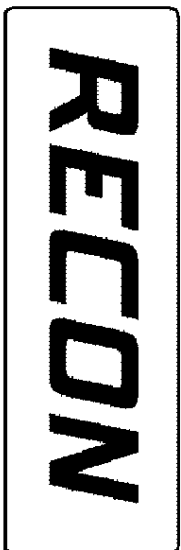


Company **RED OAK ENERGY, INC.**
 Well **BERNING #1-16**
 Field **WILDCAT**
 County **WICHITA**
 State **KANSAS**



**DUAL INDUCTION
 LATEROLOG - SP
 GAMMA RAY**

SEC	TWP	RGE	OTHER SERVICES:	
16	20S	38W	LDT	CNL
Location: 1997' Fsl & 1822' FEL			XY CALLIPER	MIEL
SURE: SAME			ELEVATIONS	
AP#: 15-203-20288-00-00			K.B.	3434.6
Permanent Datum			G.L.	3418
Log Measured From Kelly Bushing			D.F.	3432.6
Drilling Measured From Kelly Bushing			Elev 3428	

Date	22-AUG-2014	
Run No.	ONE	
TD Driller	5050	ft
TD RECON	5055	ft
Bot Logged Interval	5054	ft
Top Logged Interval	2600	ft
Casing Depth Driller	8 5/8	in. @ 367
Casing Depth RECON	8 5/8	in. @ 351
Bit Size	7 7/8	in.
Drilling Fluid Type	Chemical	
Density	9.2 lb/gal	54 sec/qt
Fluid Loss	8.8 ml/30min	9.0 strtp
Source Of Sample	Flowline	
RM @ Measured Temp	0.457	Ohmm @ 75
RMF @ Measured Temp	0.343	Ohmm @ 75
RMC @ Measured Temp	0.571	Ohmm @ 75
RM @ MRT	0.279	Ohmm @ 127
Max Recorded Temp	127	DegF
Time Drilling Stopped	22-NOV-2014	17:30
Time Circulation Stopped	22-NOV-2014	19:15
Time Logger On Bottom	22-NOV-2014	23:35
Unit Num	S409	OKLAHOMA CITY, OK
Location	OKLAHOMA CITY, OK	
Recorded By	H. GARCIA	
Witnessed By	MR. P. DEENIHAN	

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#	WILDCAT DRLG. #1
------------------	------------------

GENERAL REMARKS SECTION

FIRST RUN IN THE HOLE
 CNL AND LDT LOGGED IN A LIMESTONE MATRIX
 TOP MARK - 352, BOTTOM MARK - 4956.8
 CNL/LDT LOGGED MATRIX: 2.71 g/cc.

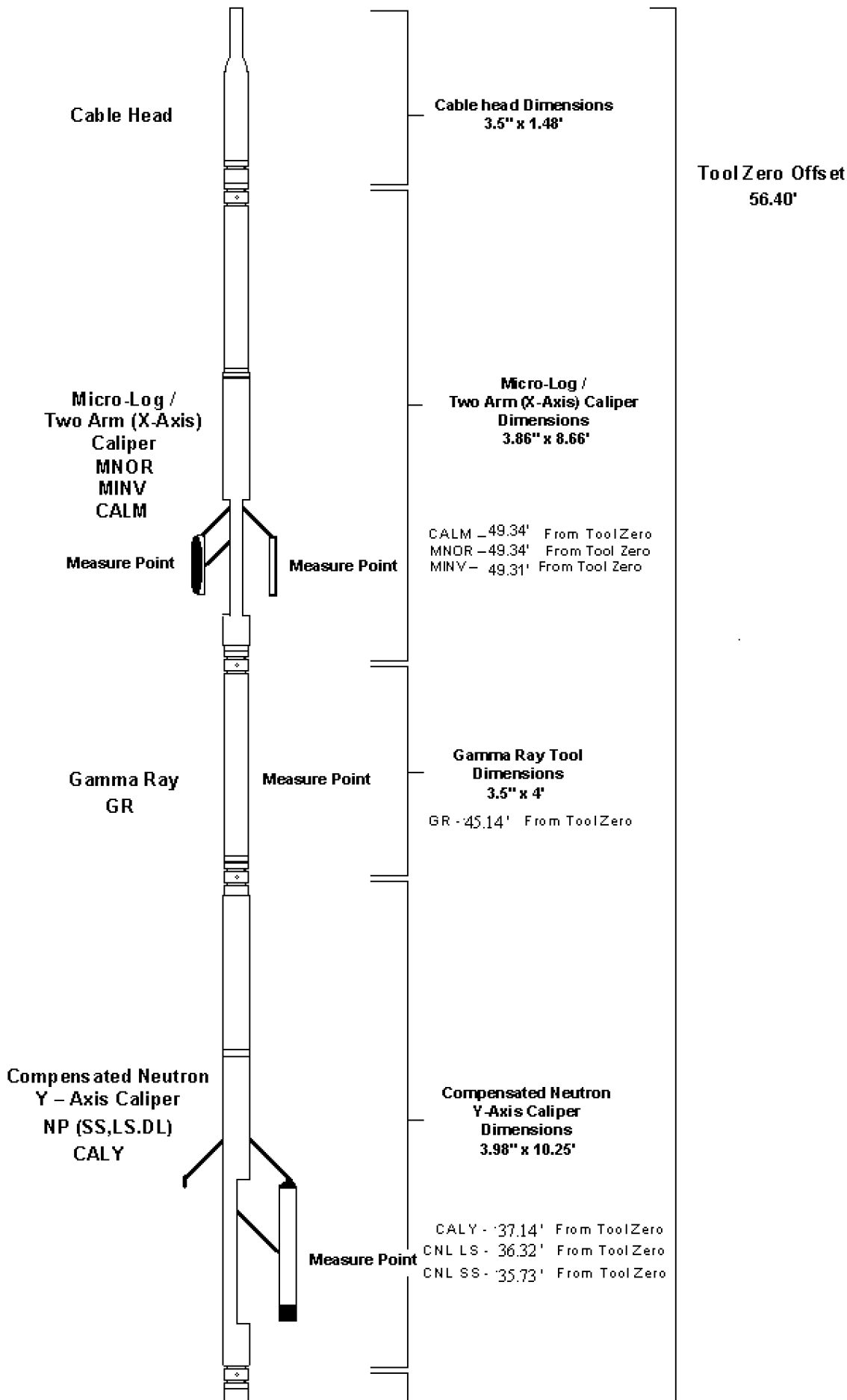
CHLORIDES: 5300 ppm
 LCM: 2 lbs/bbl

THANK YOU FOR USING RECON PETROTECHNOLOGIES LTD.

AHV CALCULATED ON 5.5" PROD. CASING

CREW: M. CALLENTINE, B. THOMAS

**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**

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

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

CALX - 23.20' From ToolZero
LDT w1 -
LDT w2 - 22.93' From ToolZero
LDT w3 -
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**



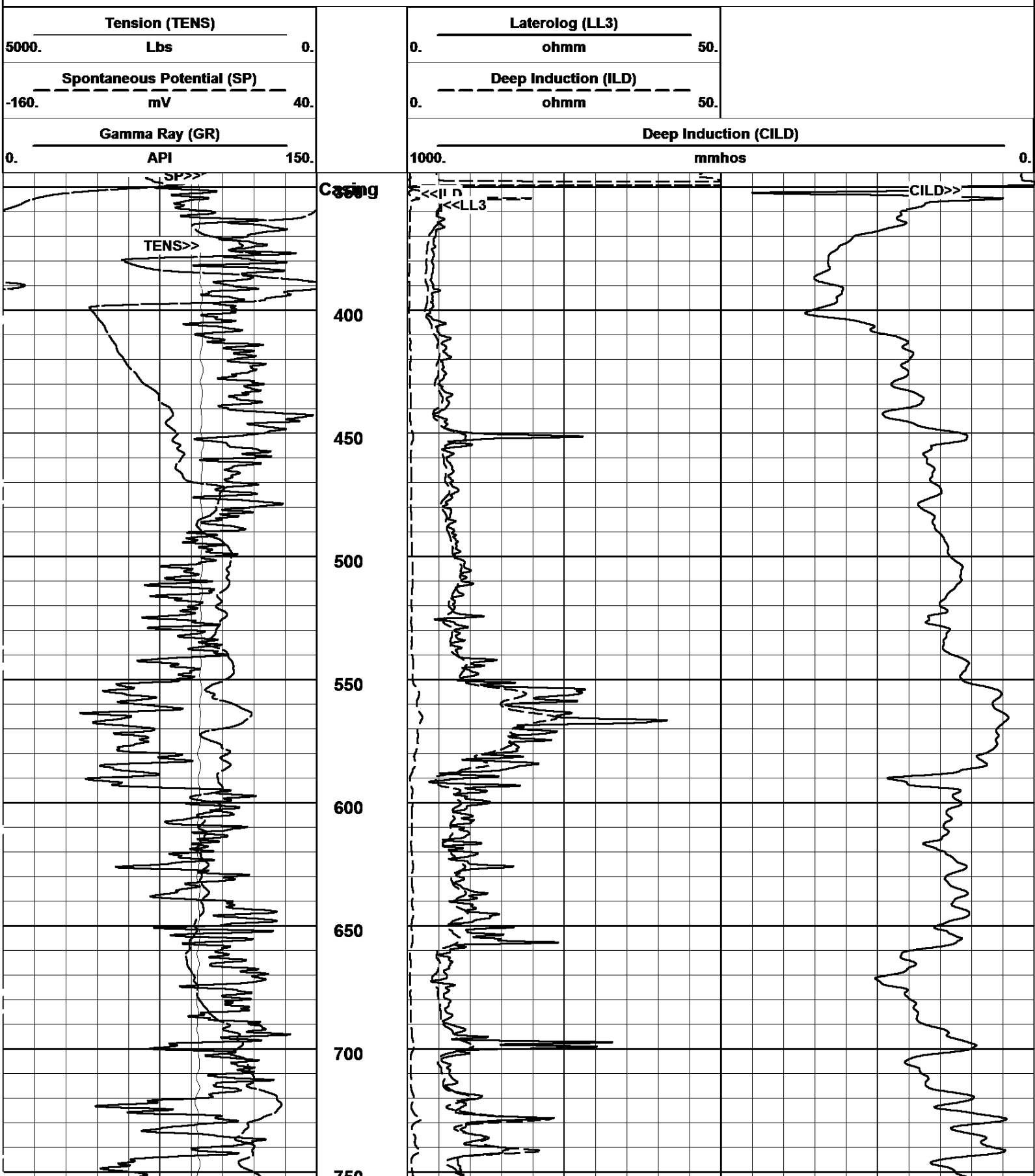
11/23/2014

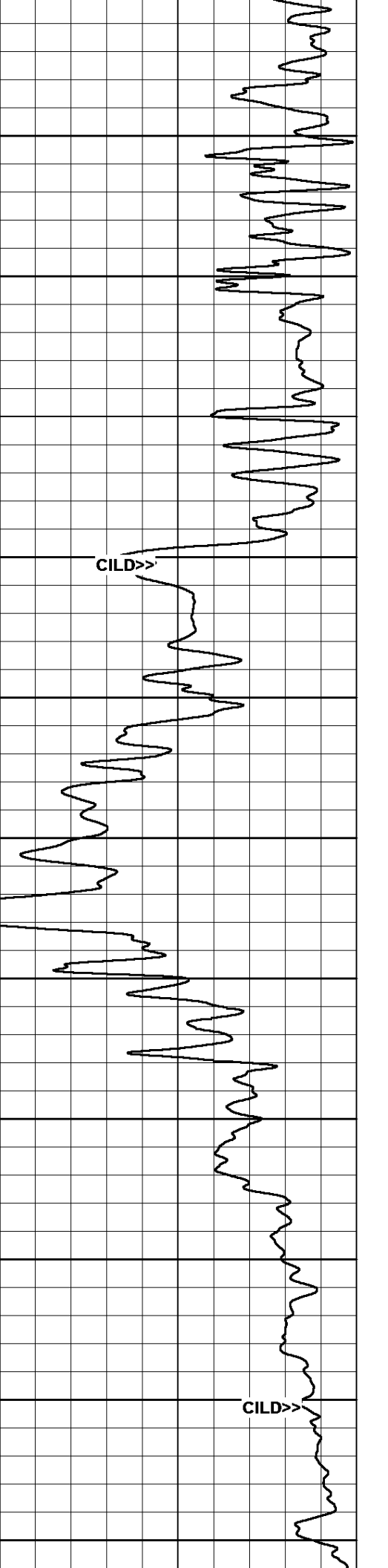
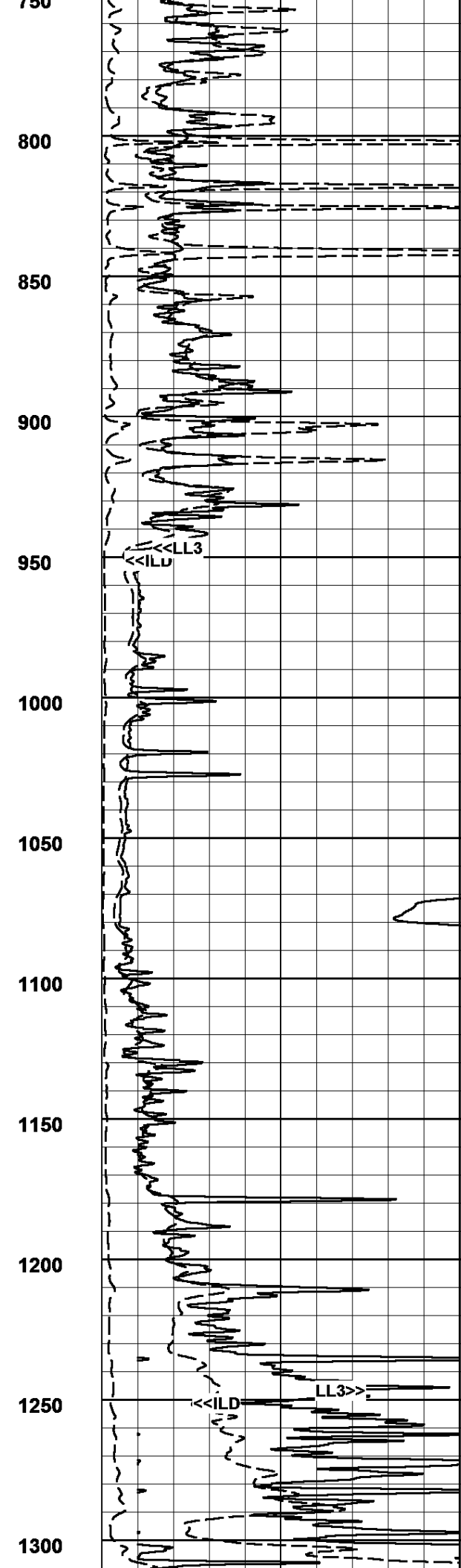
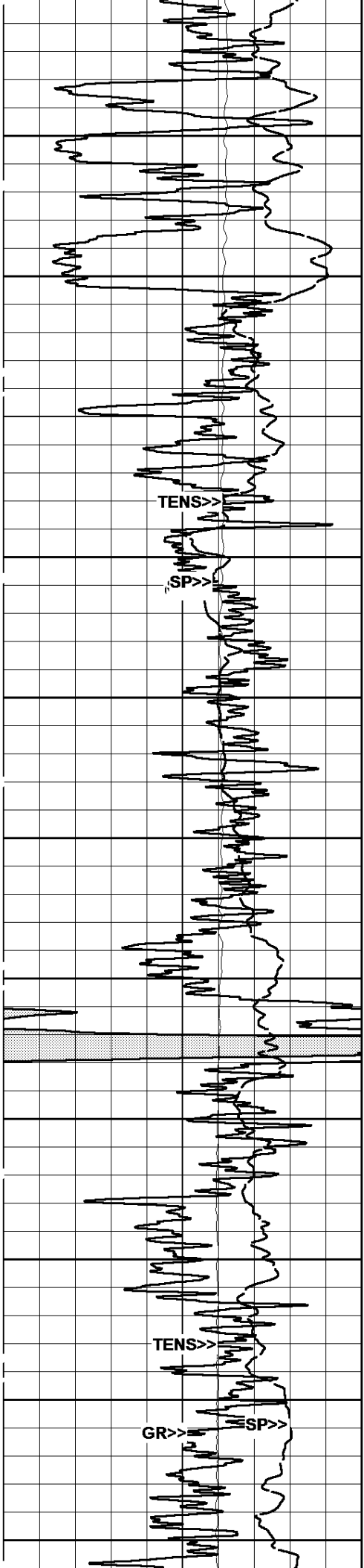
MAIN PASS (2"/100Ft)

Log UP - (VER 11.19)

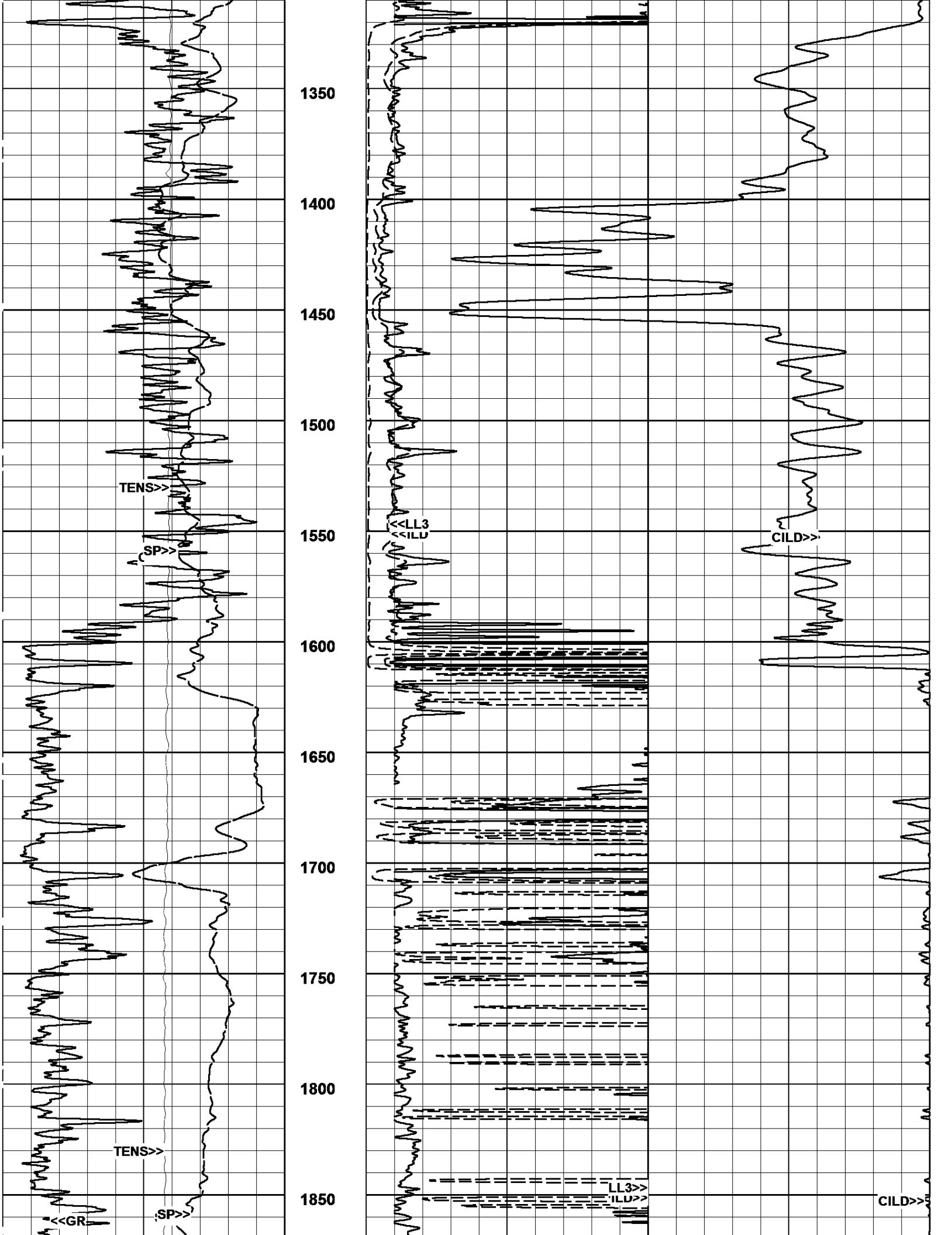
13:57:00 => End Time

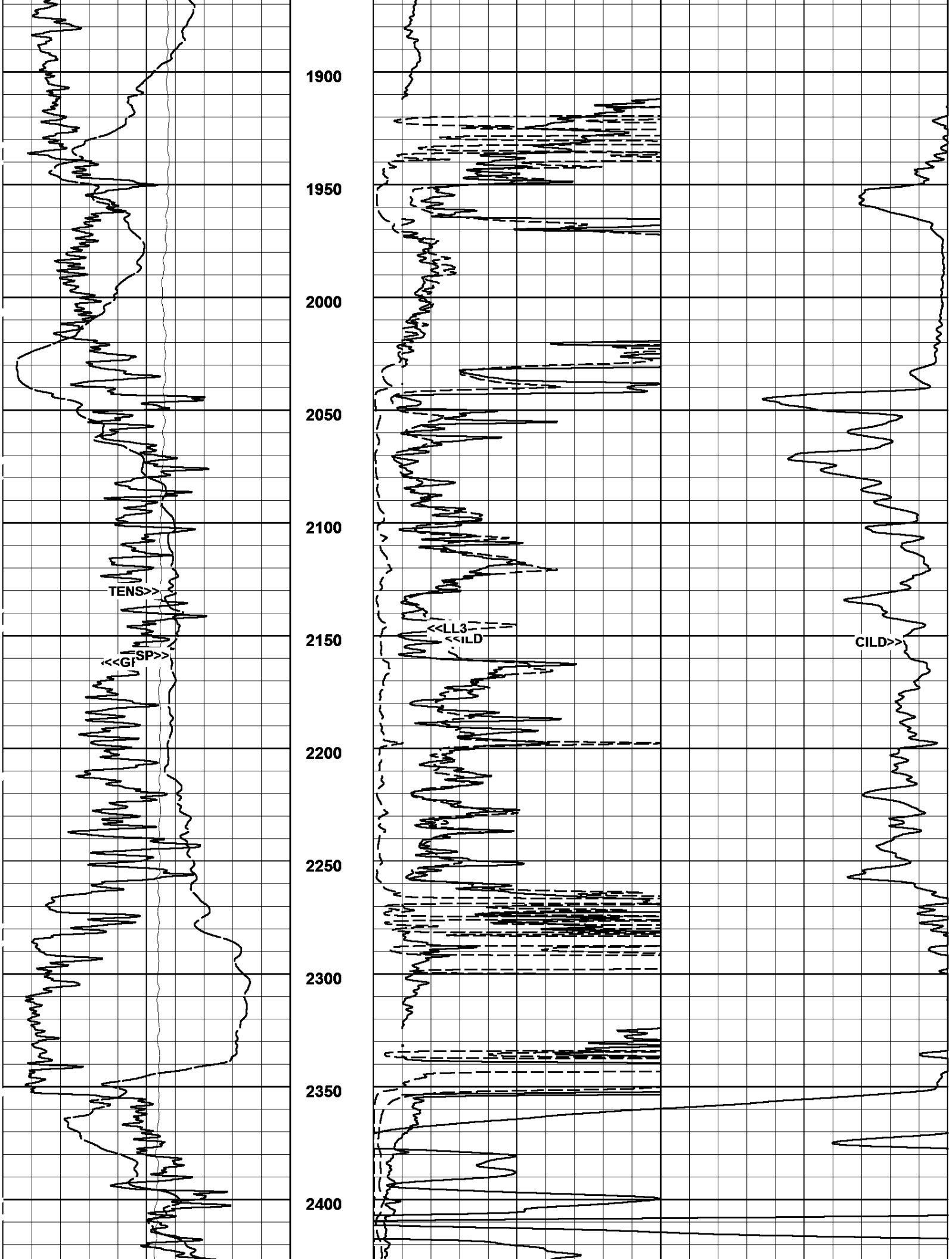
End Depth=> 344.75 Feet

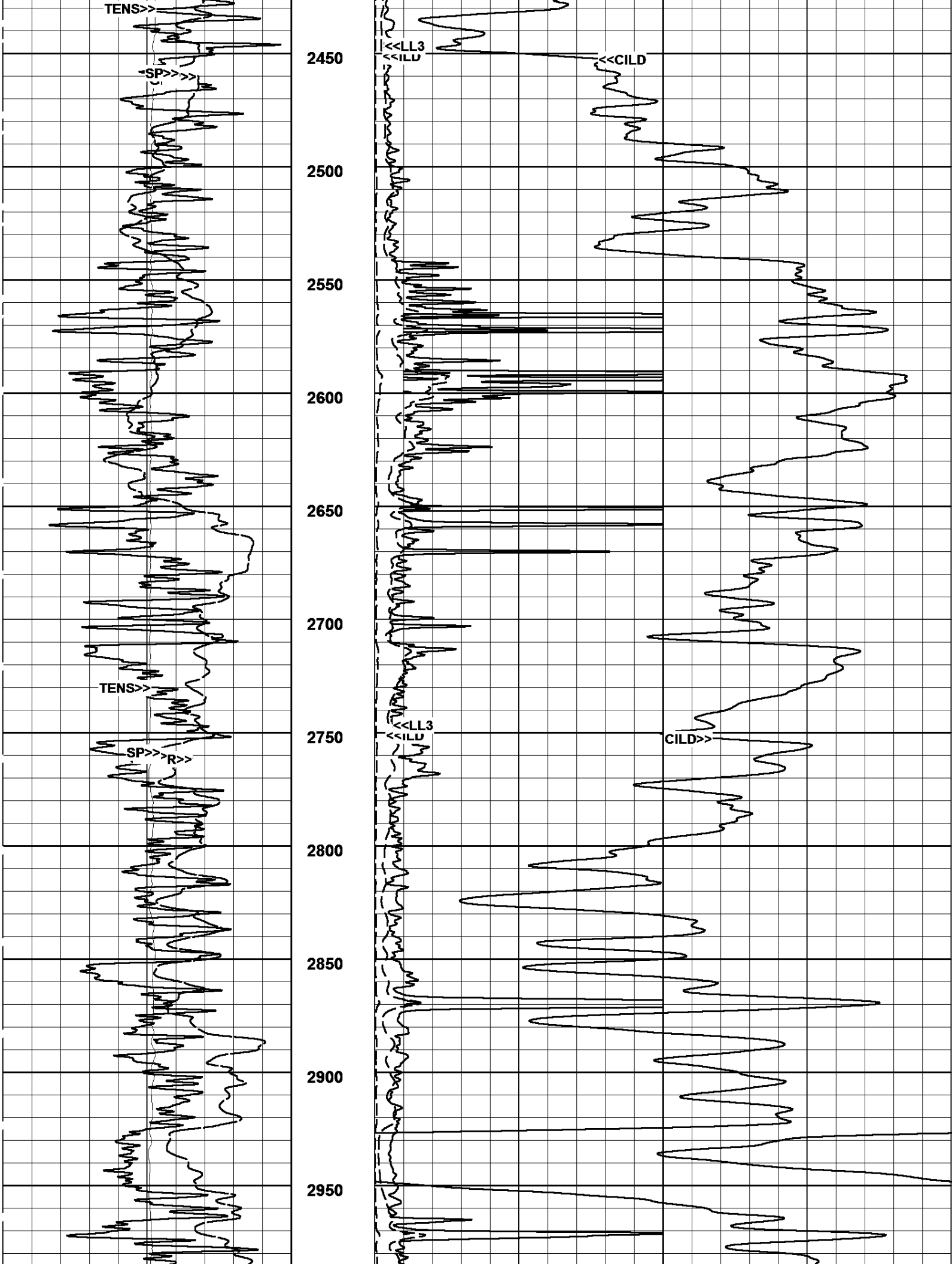


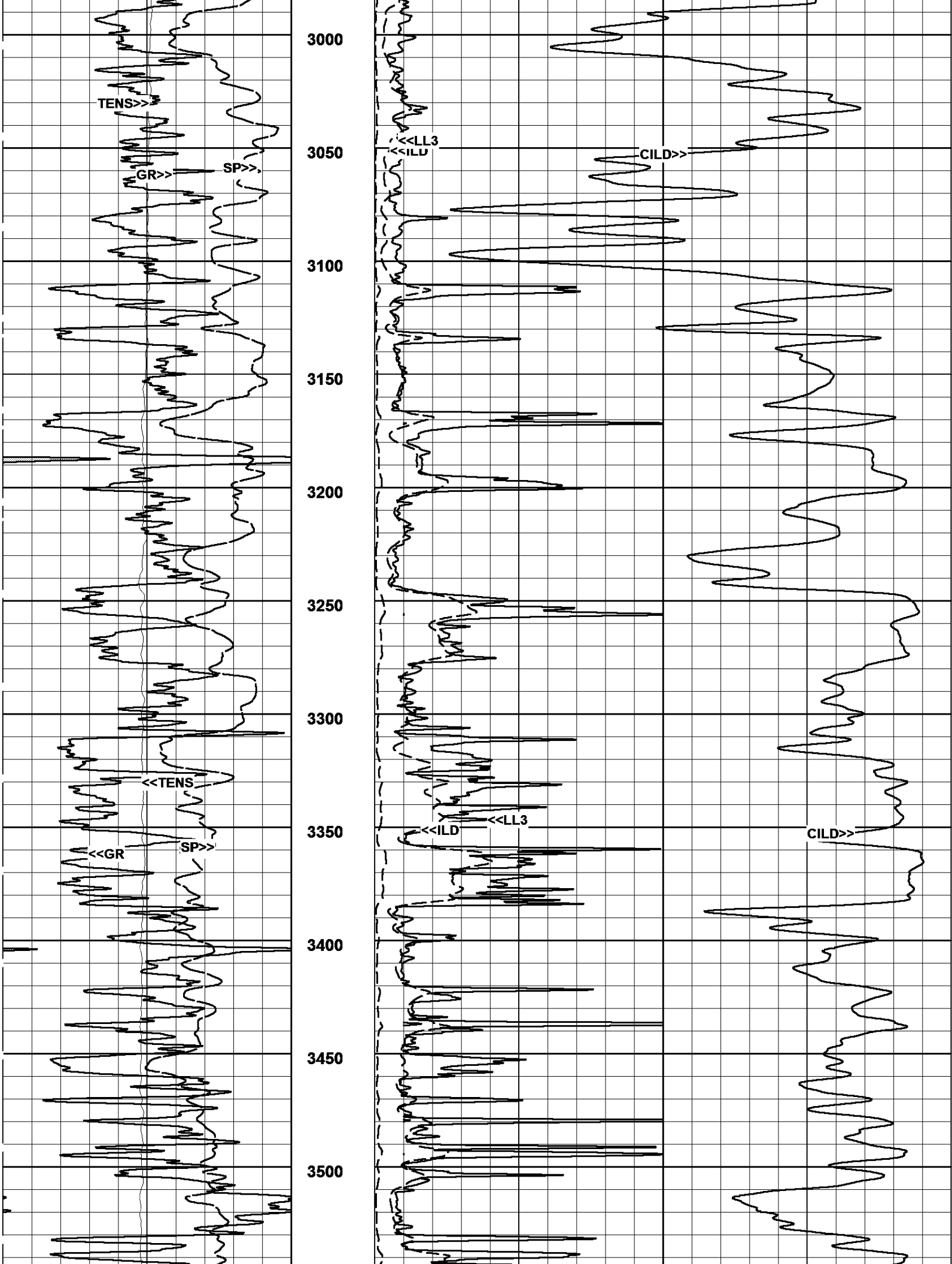


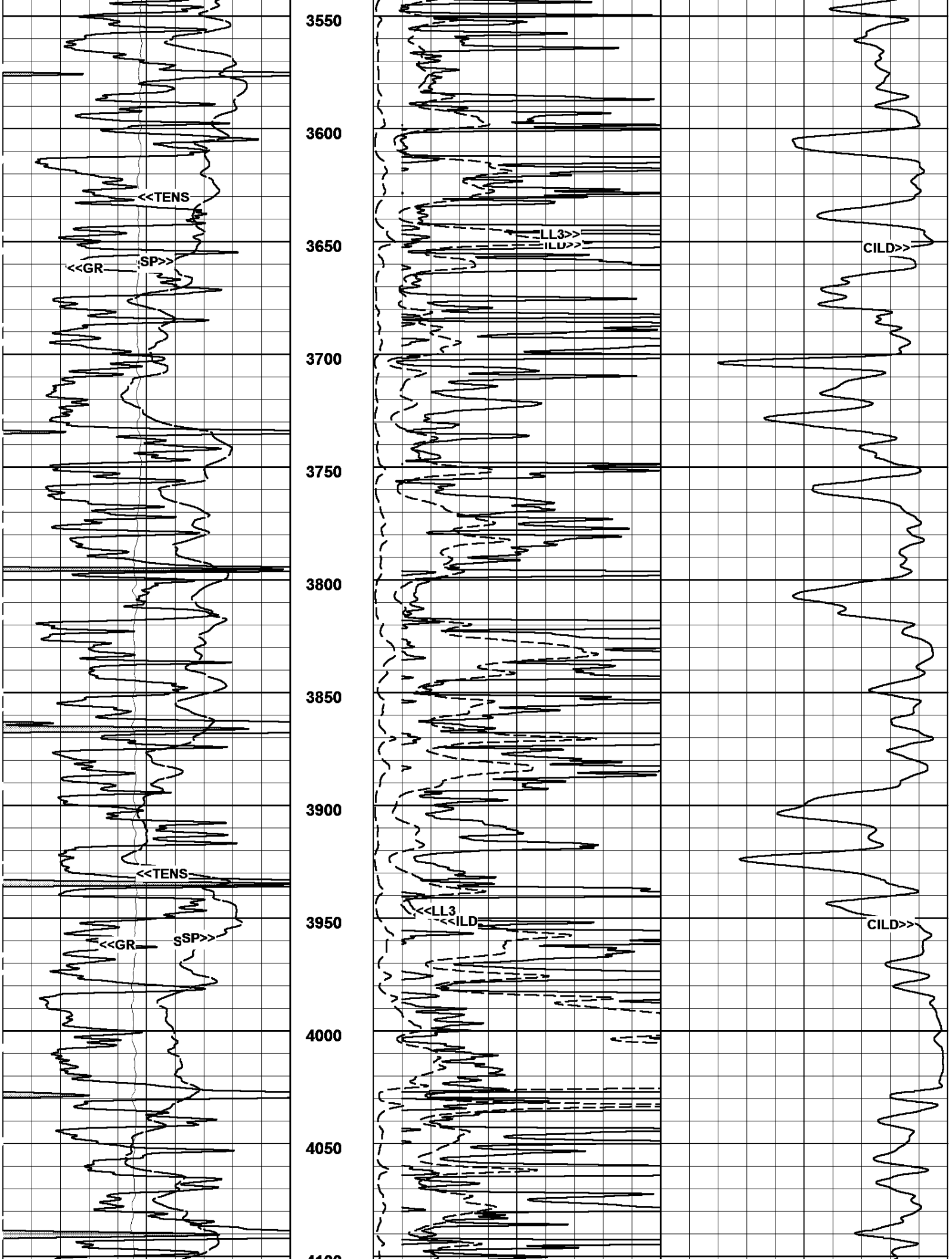
750
800
850
900
950
1000
1050
1100
1150
1200
1250
1300

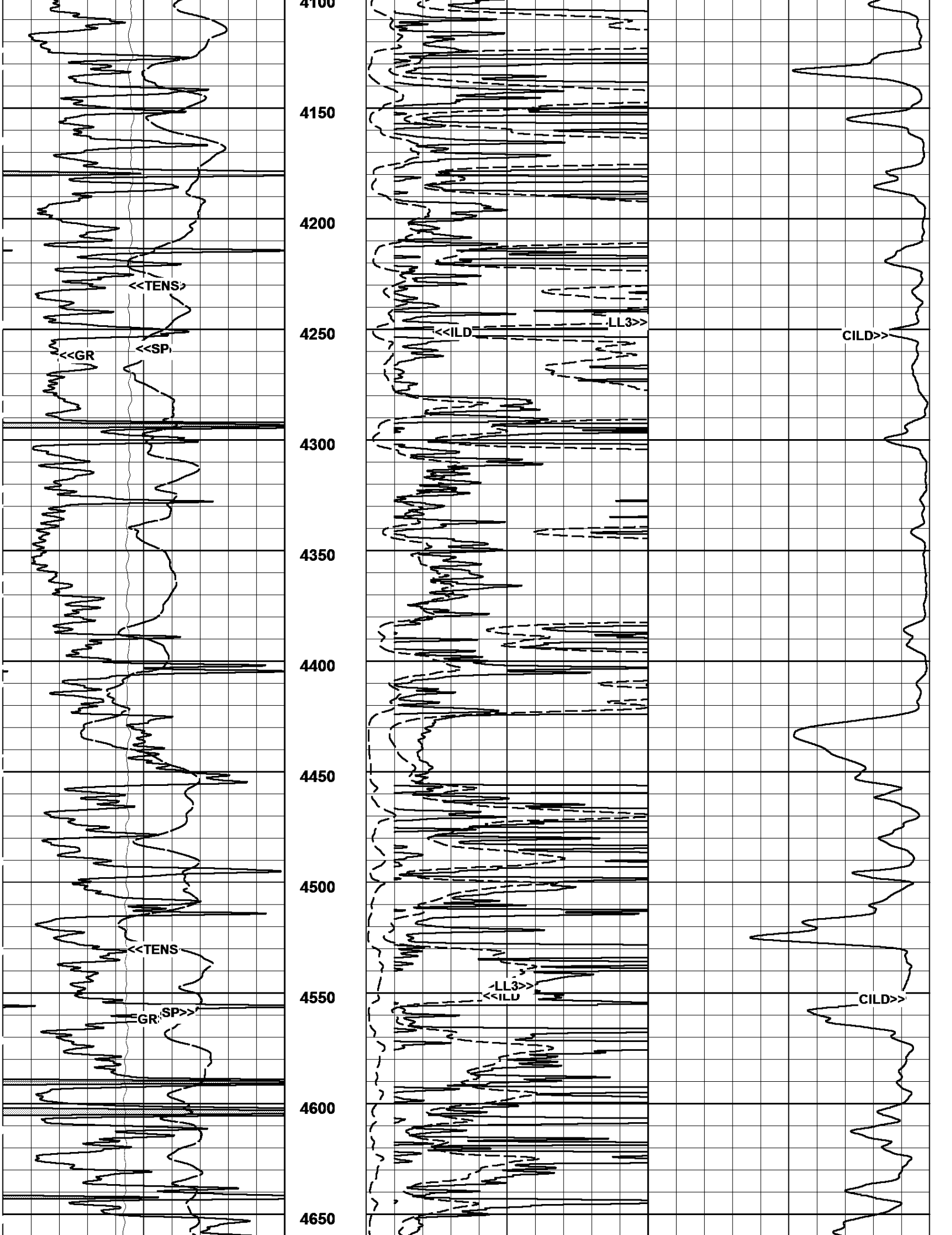


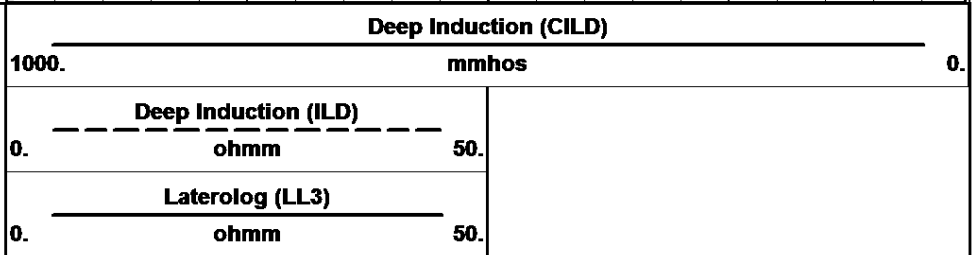
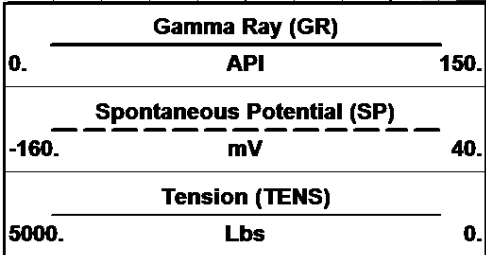
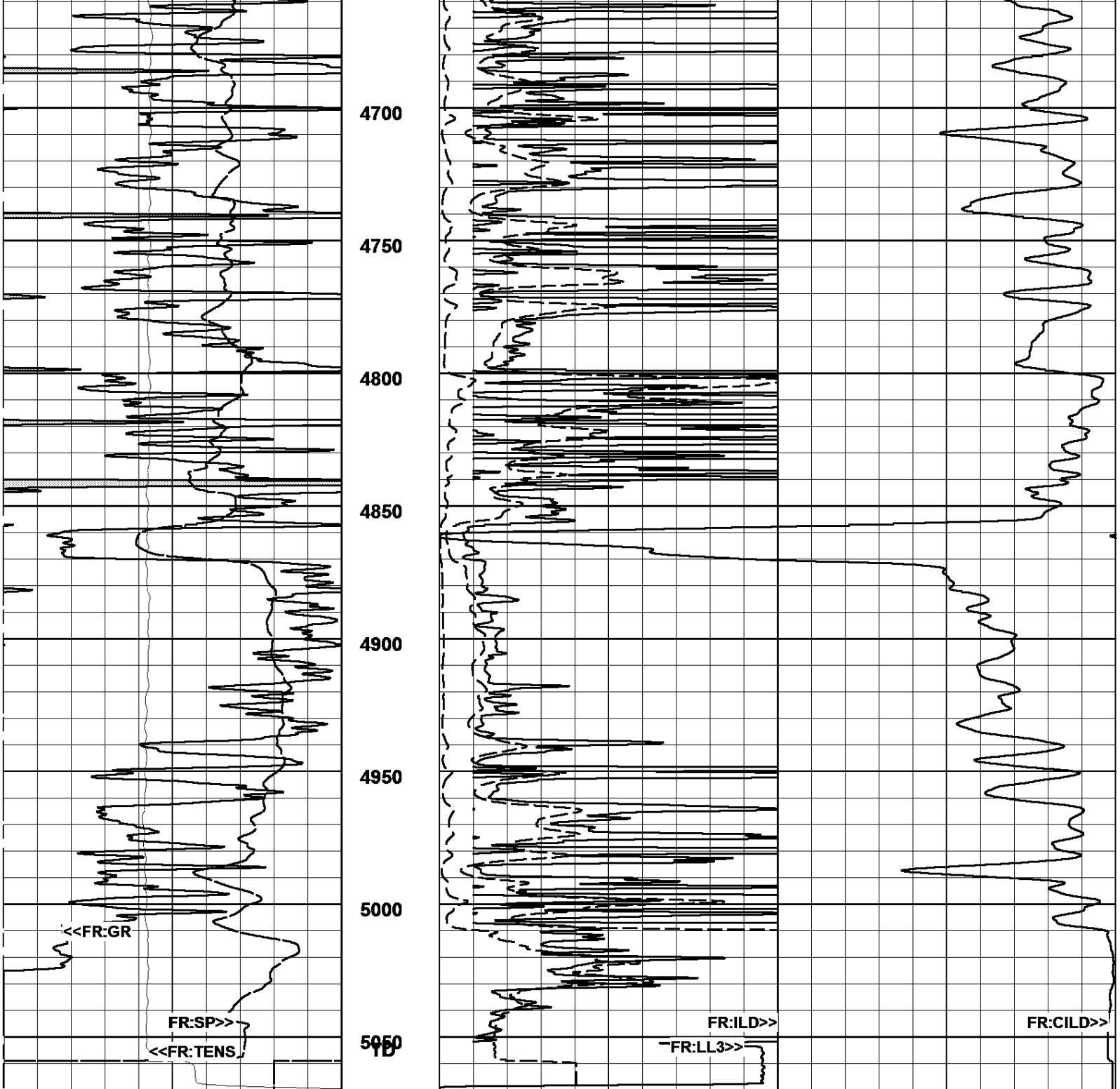






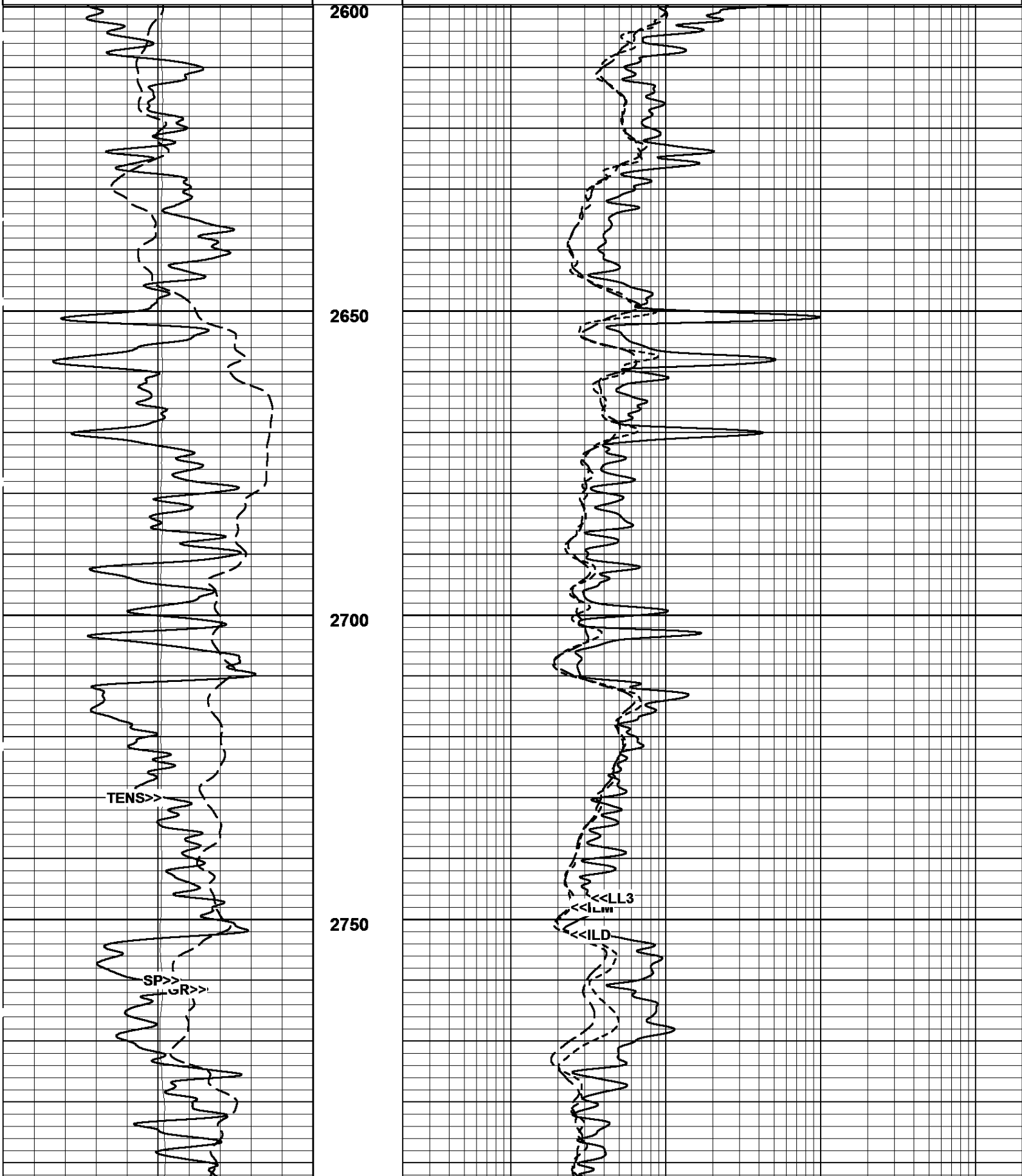
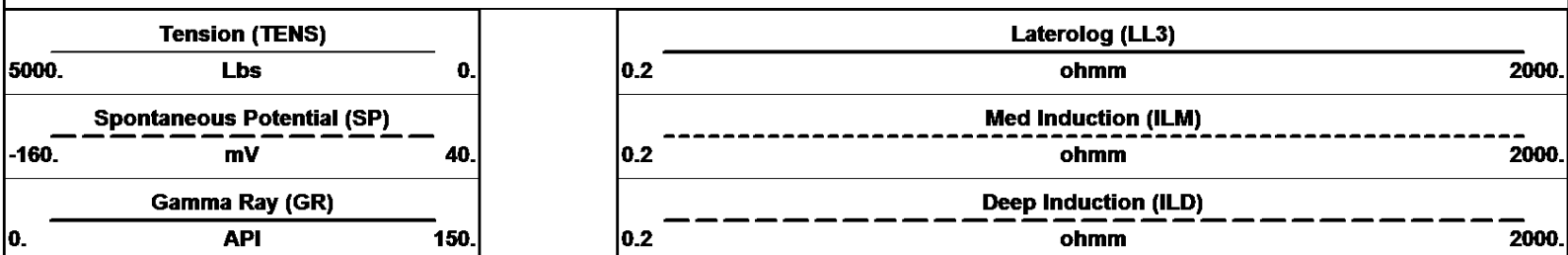


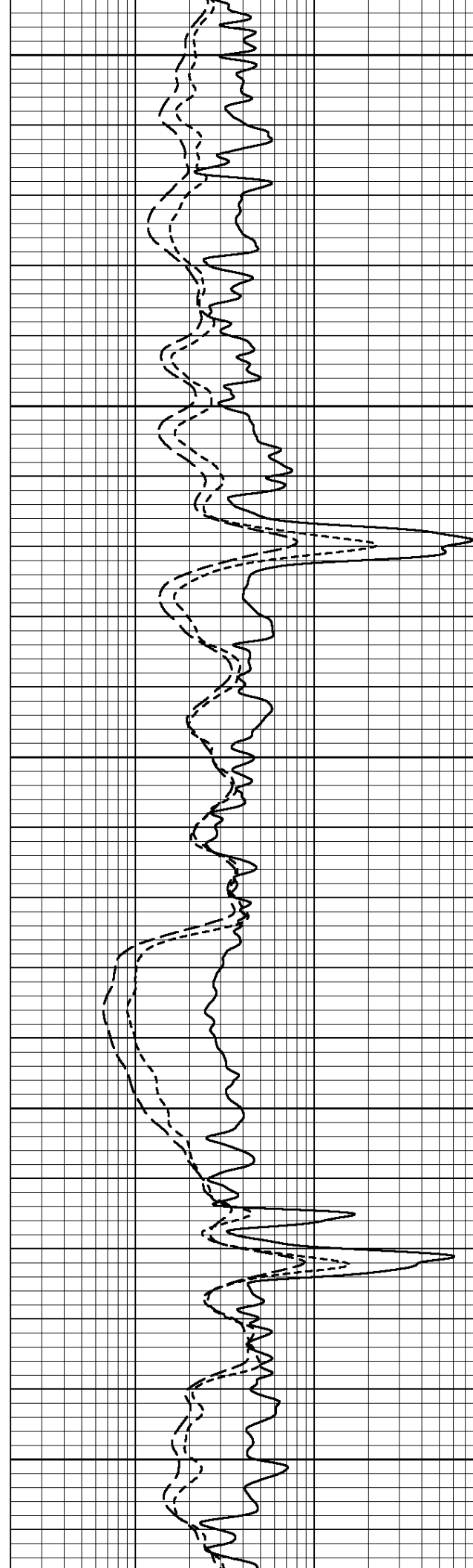
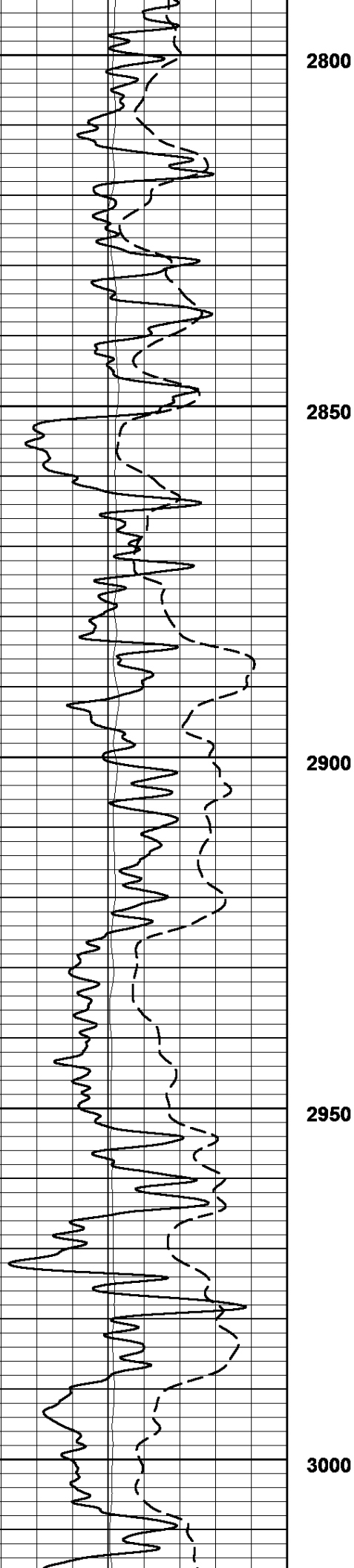


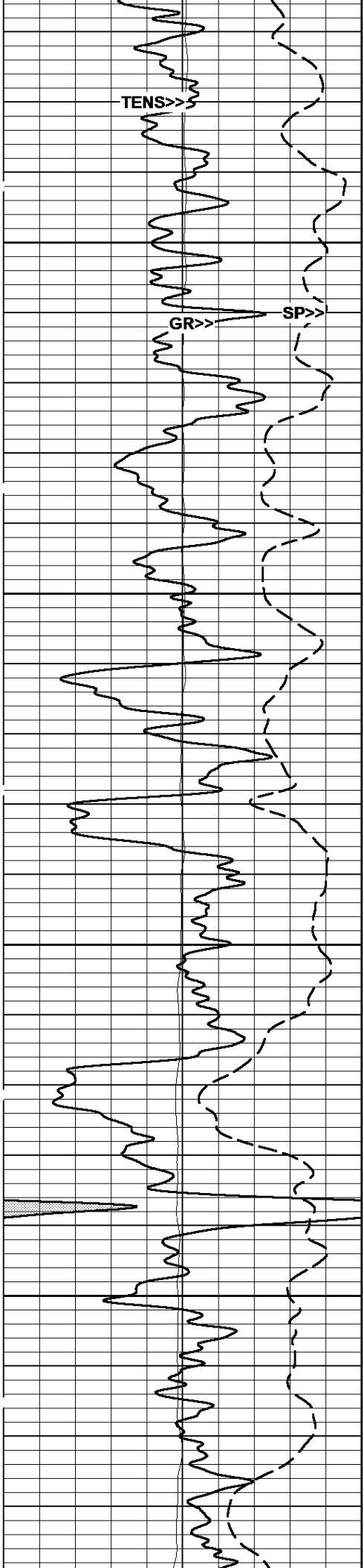


11/23/2014 **MAIN PASS (2"/100Ft)** Log UP - (VER 11.19)
 12:19:45 => Start Time Start Depth=> 5069.75 Feet

11/23/2014 **MAIN PASS (5"/100Ft)** Log UP - (VER 11.19)





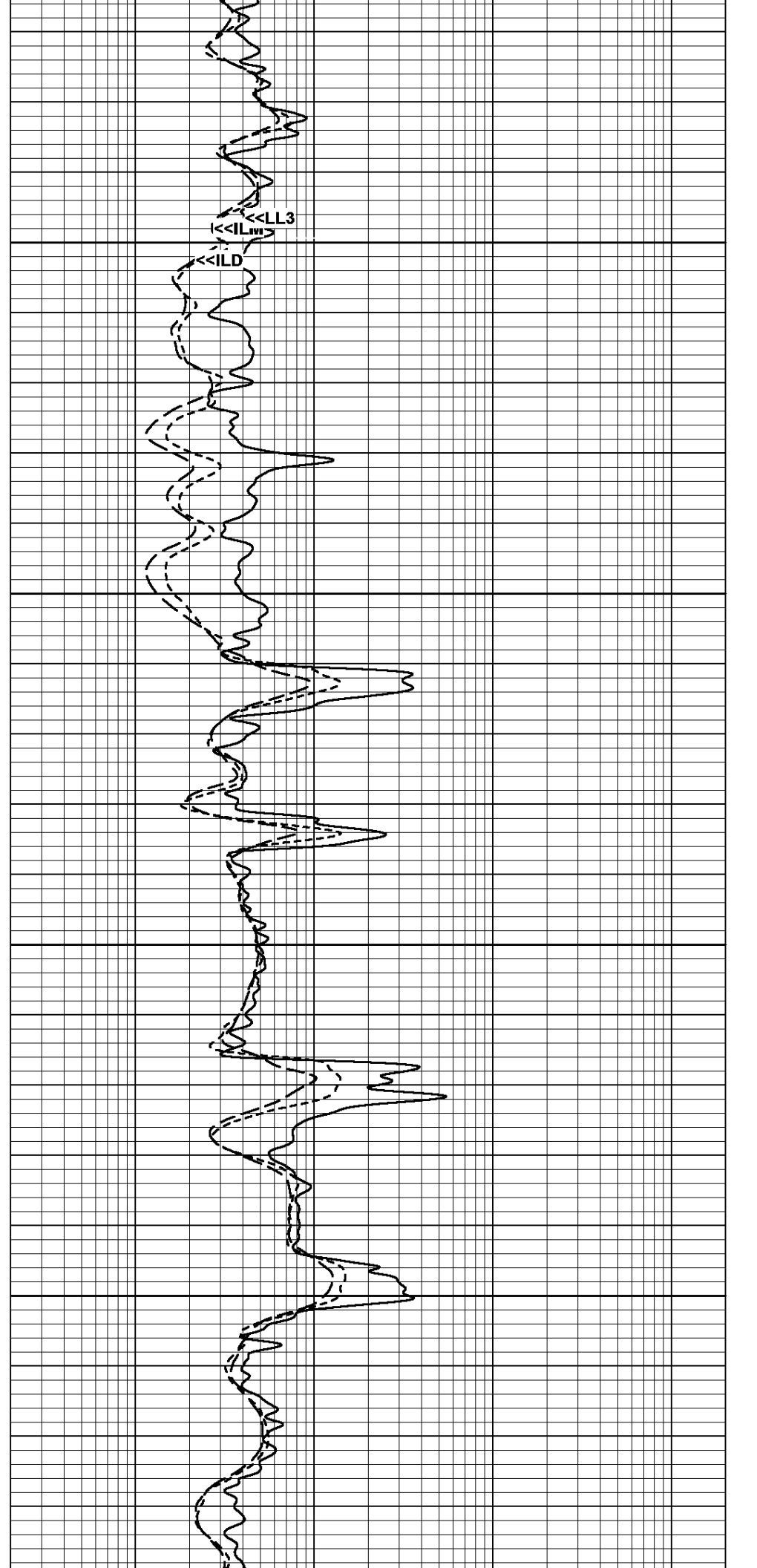


3050

3100

3150

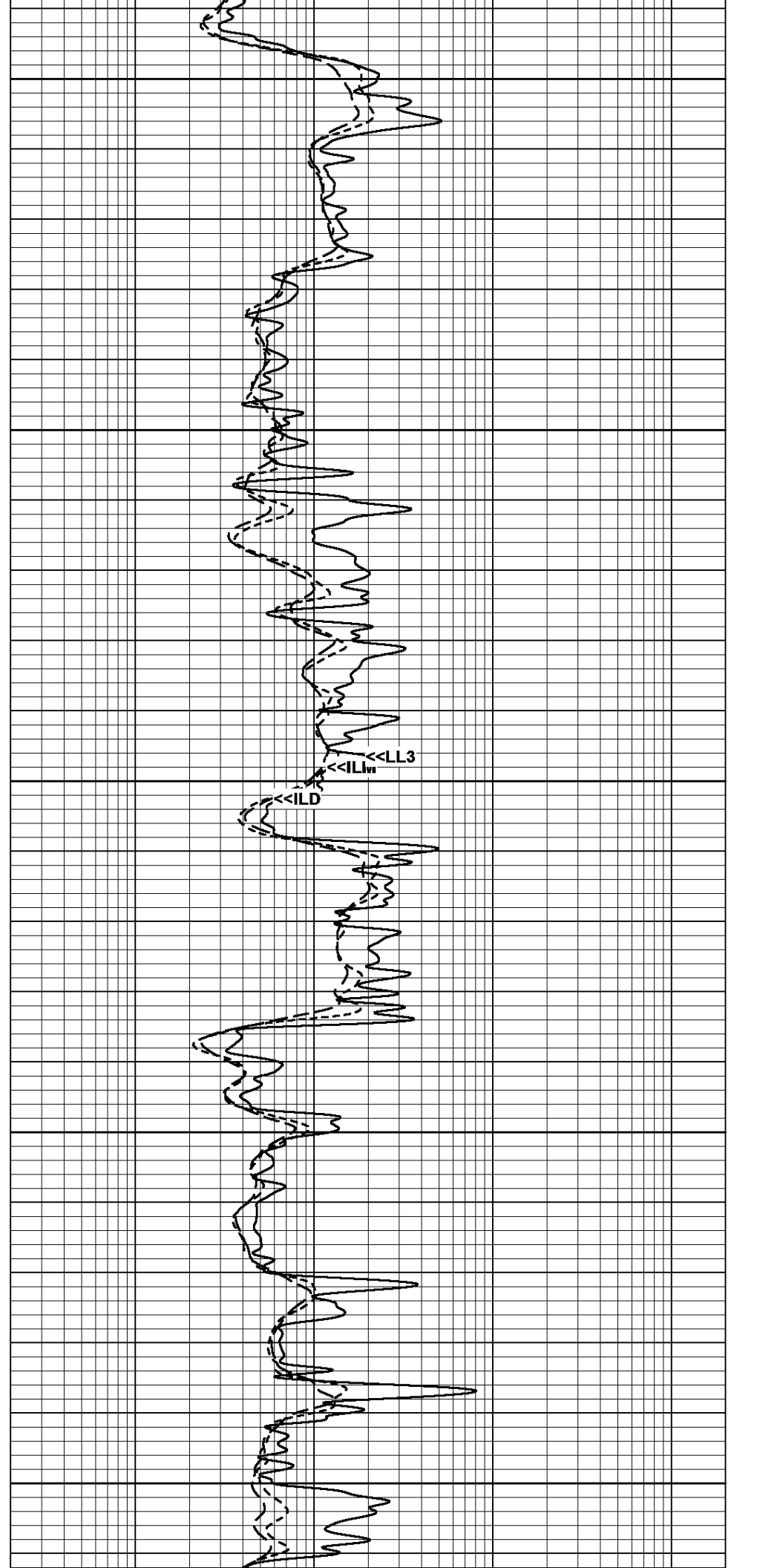
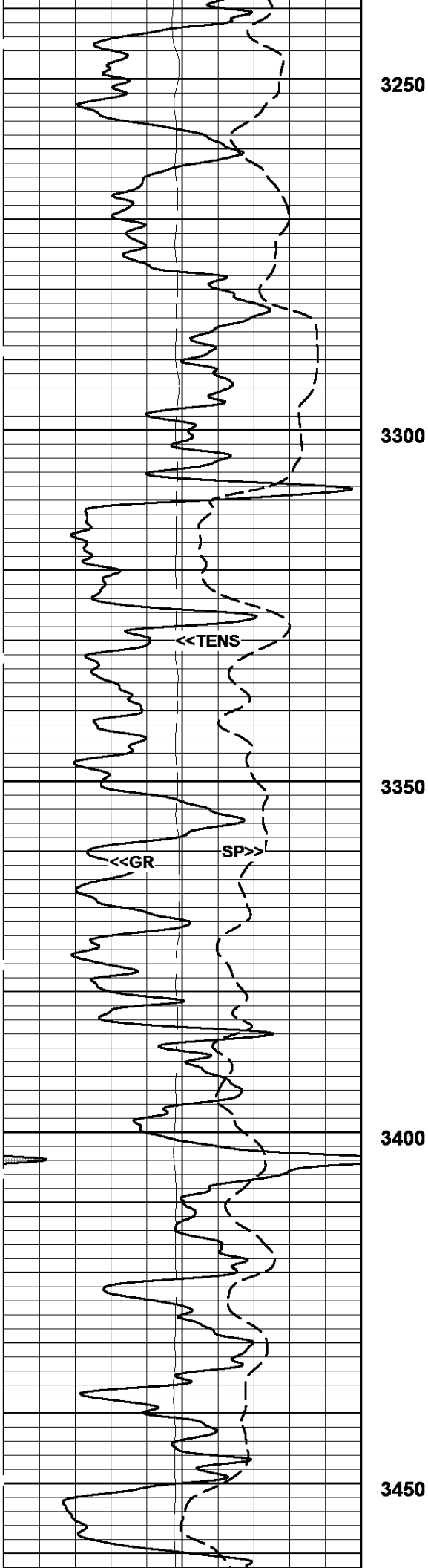
3200

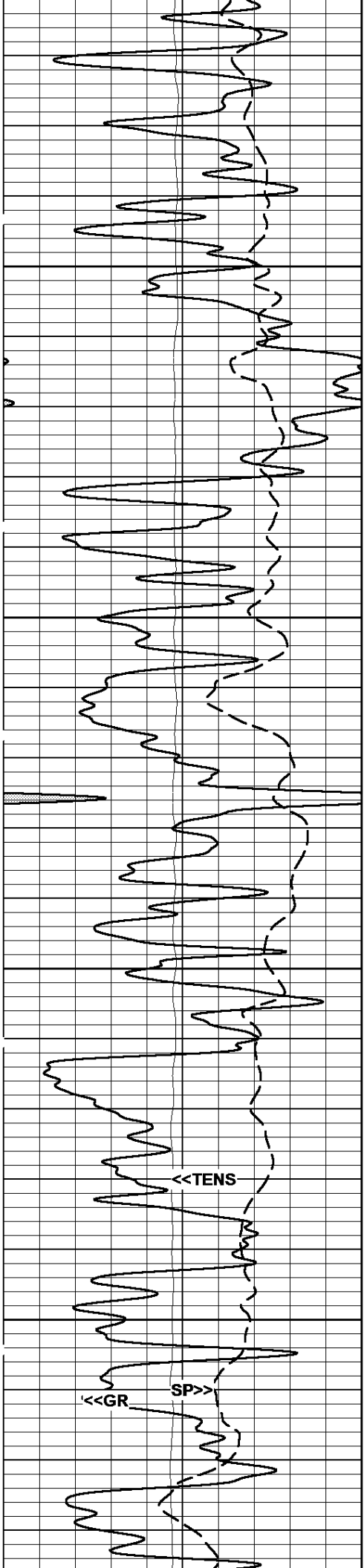


<LL3

<IL

<ILD



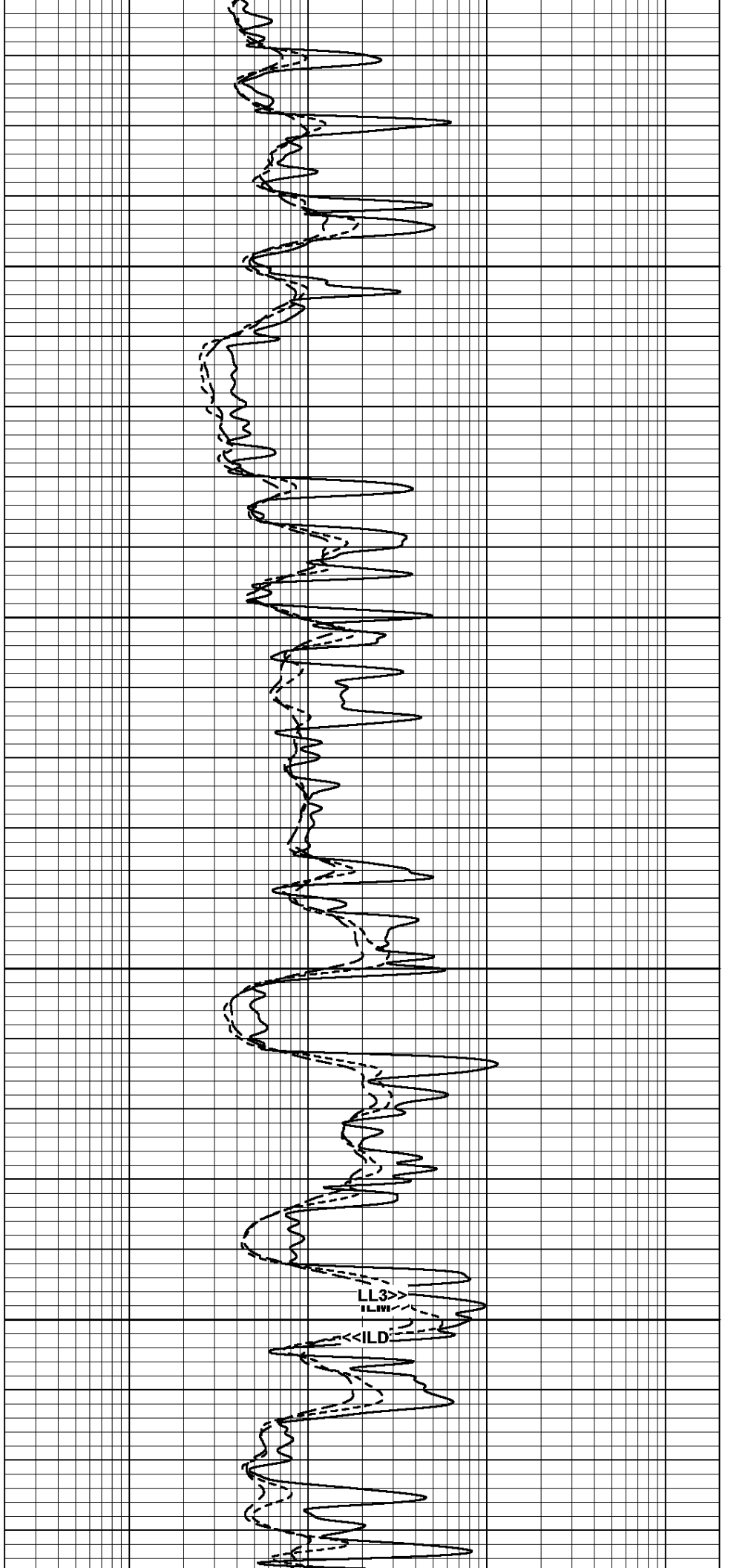


3500

3550

3600

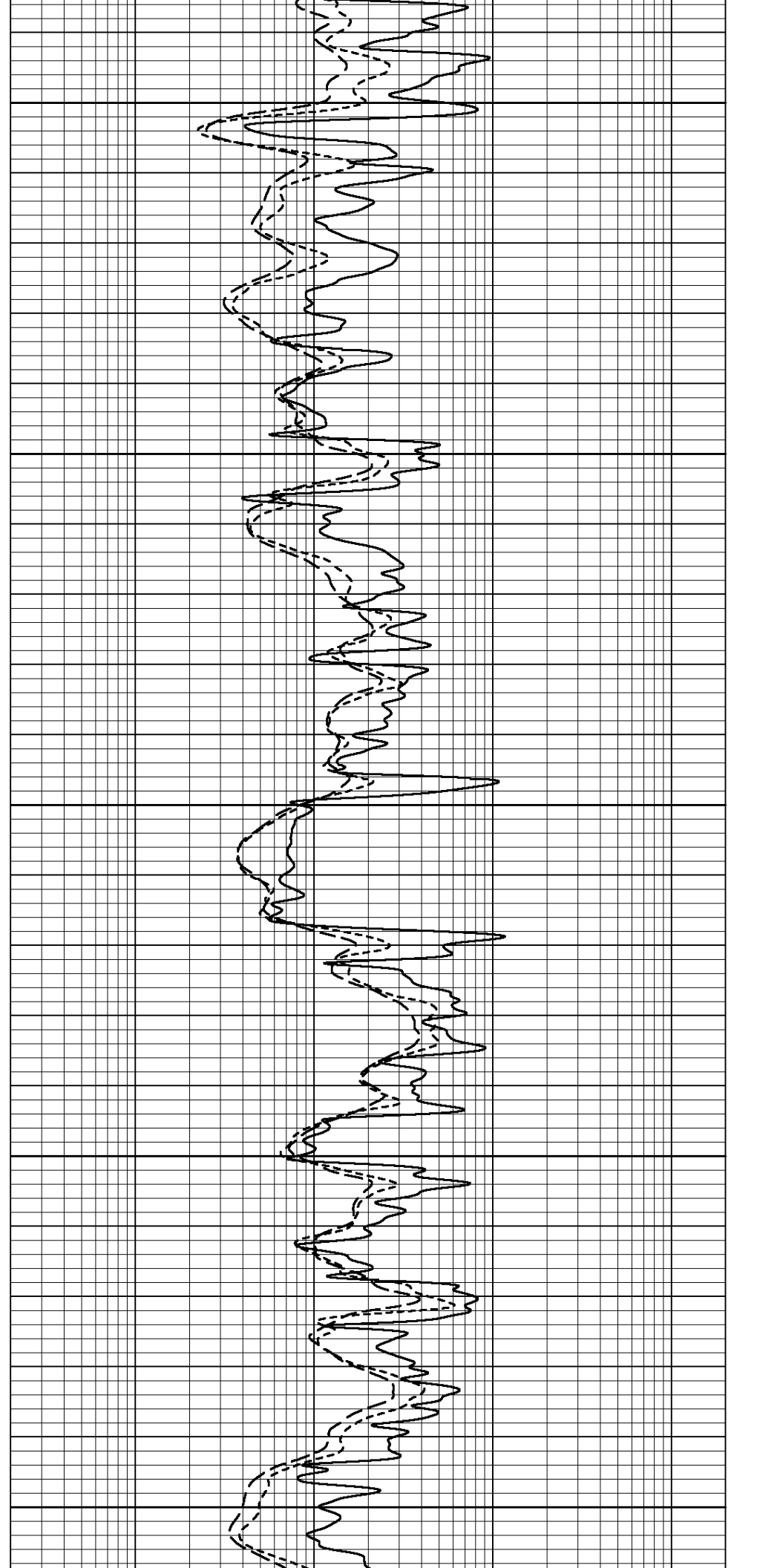
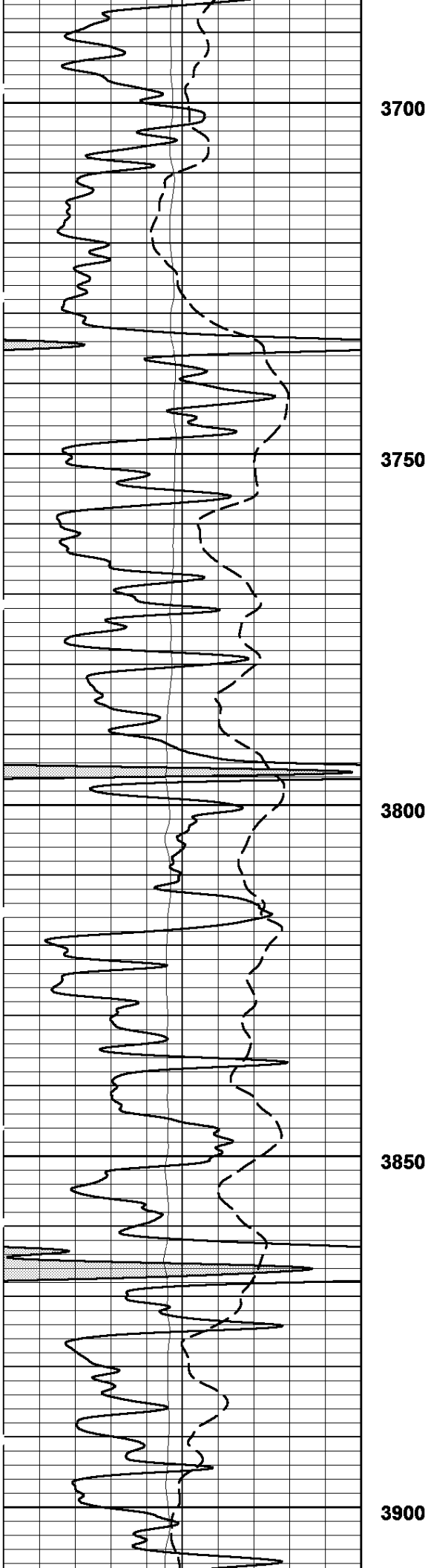
3650

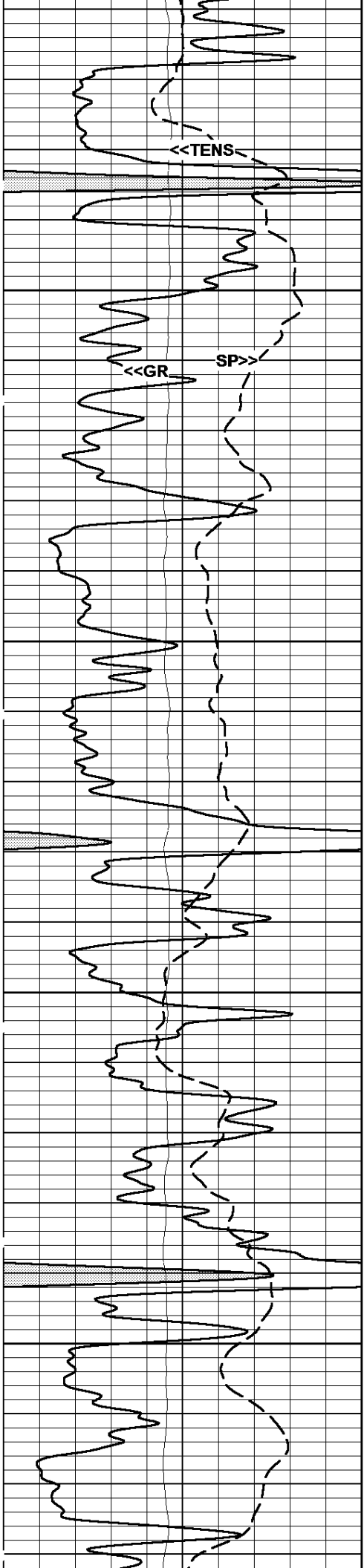


LL3>>

ILW

<<ILD





<<TENS

3950

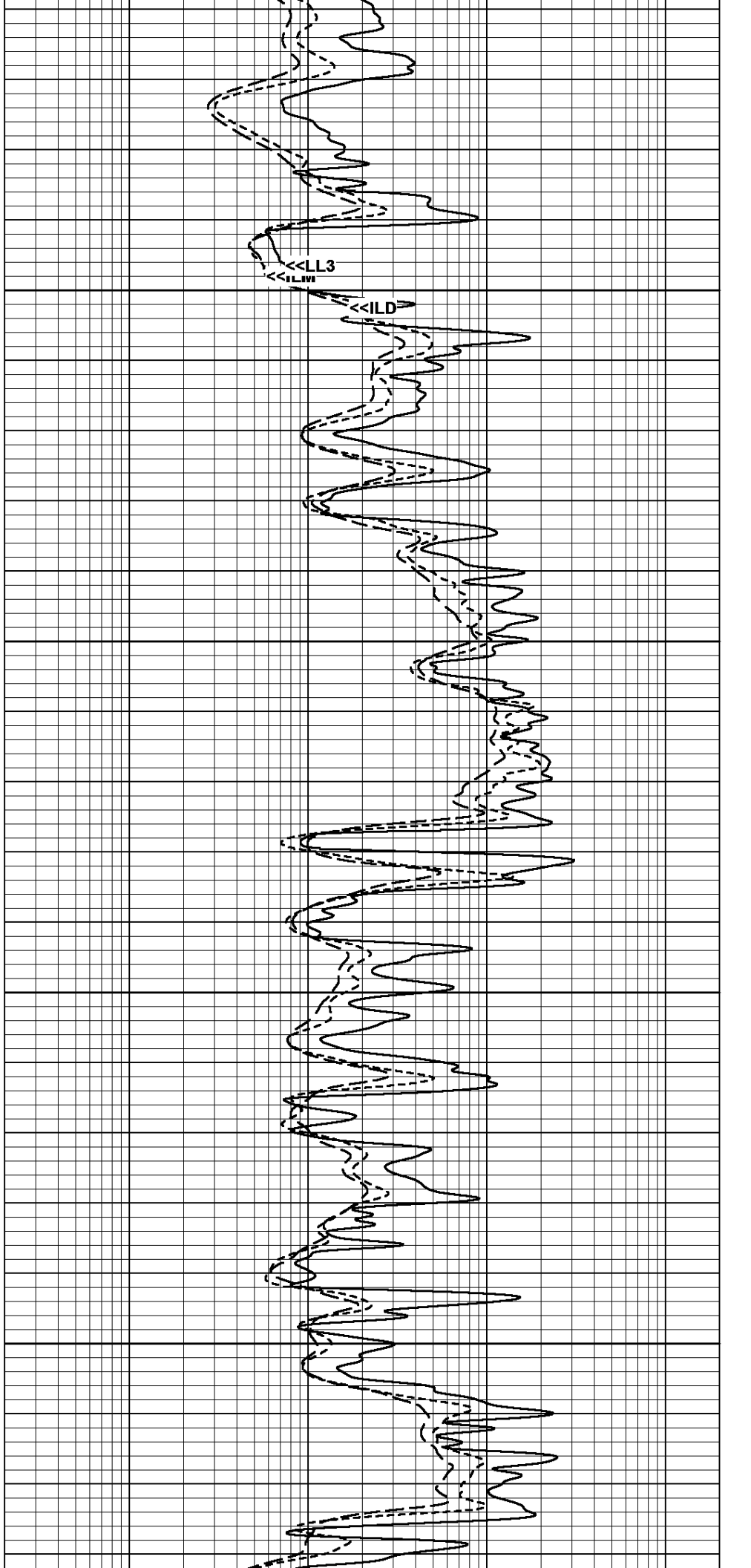
<<GR

SP>>

4000

4050

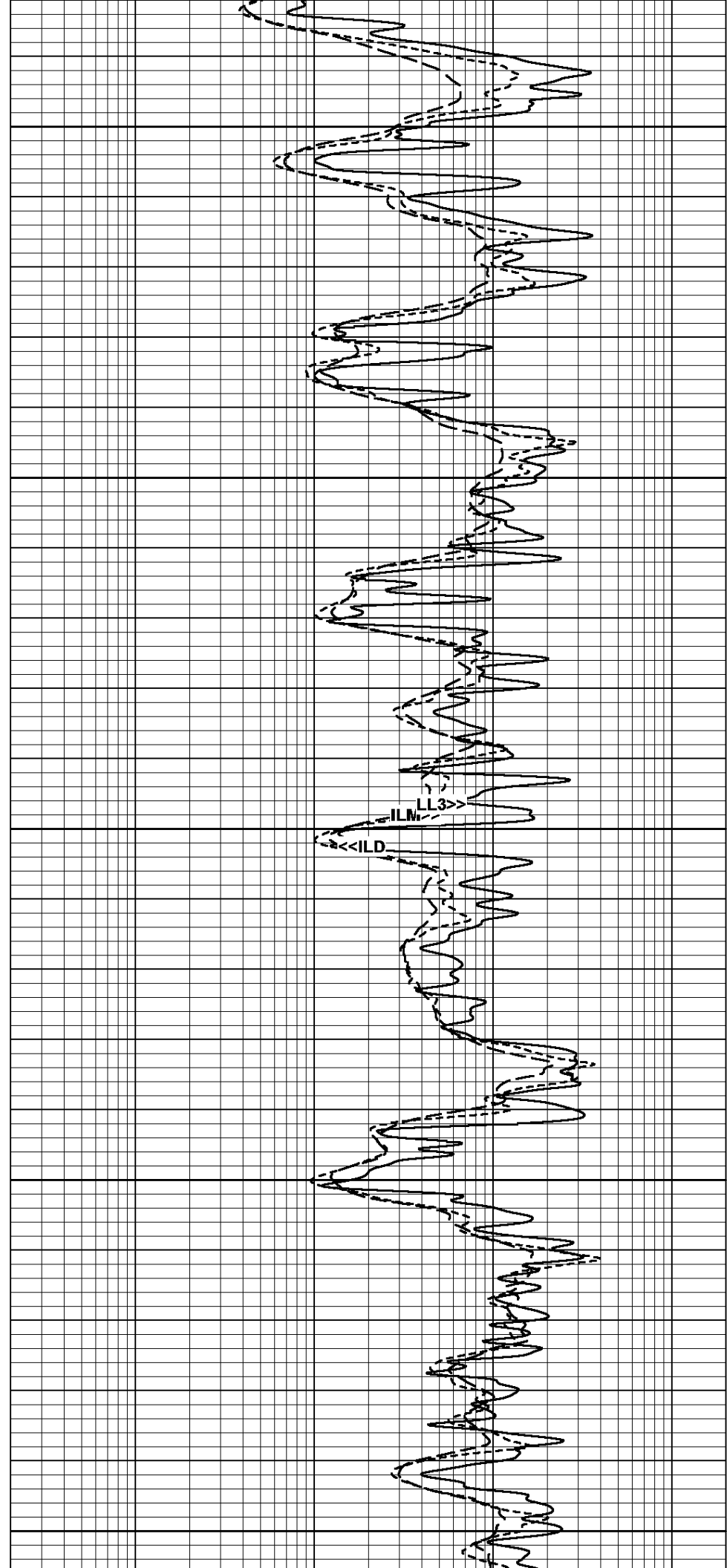
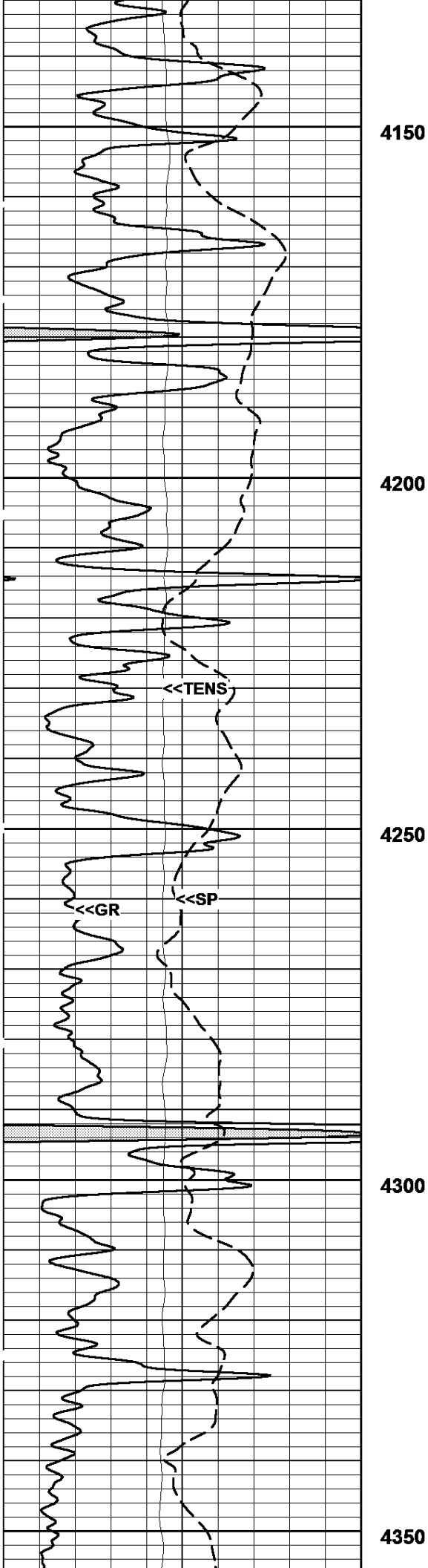
4100

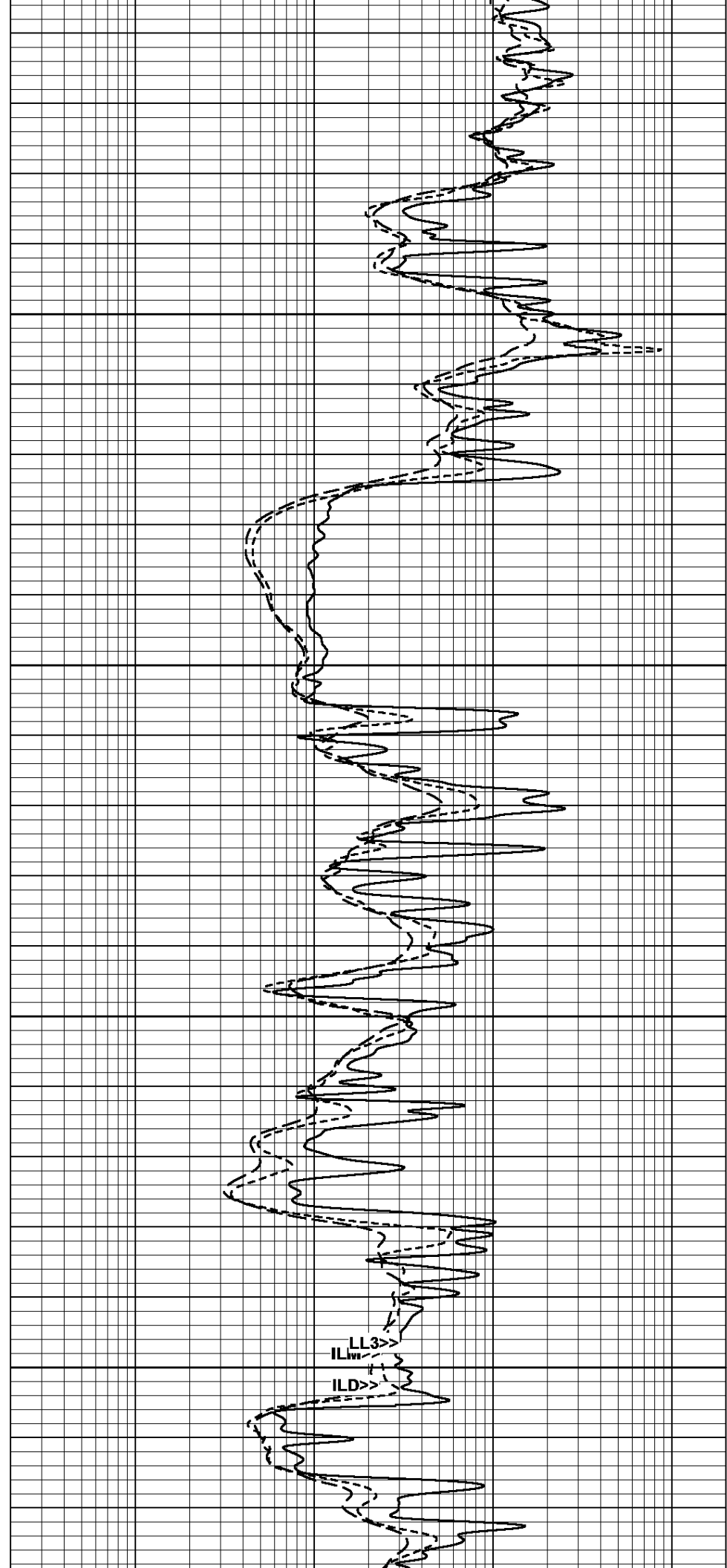
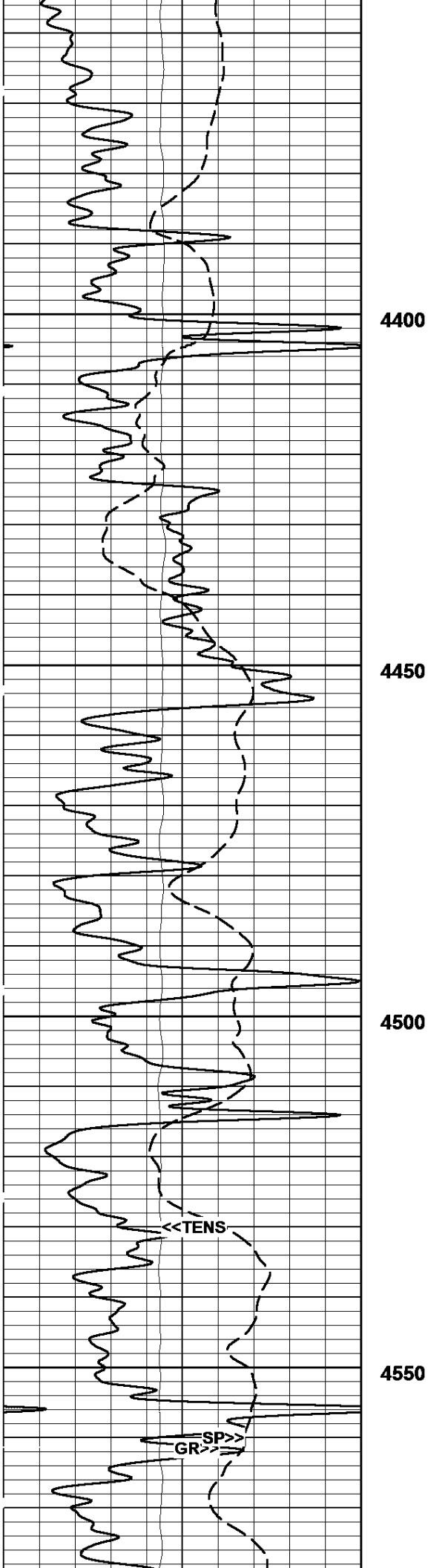


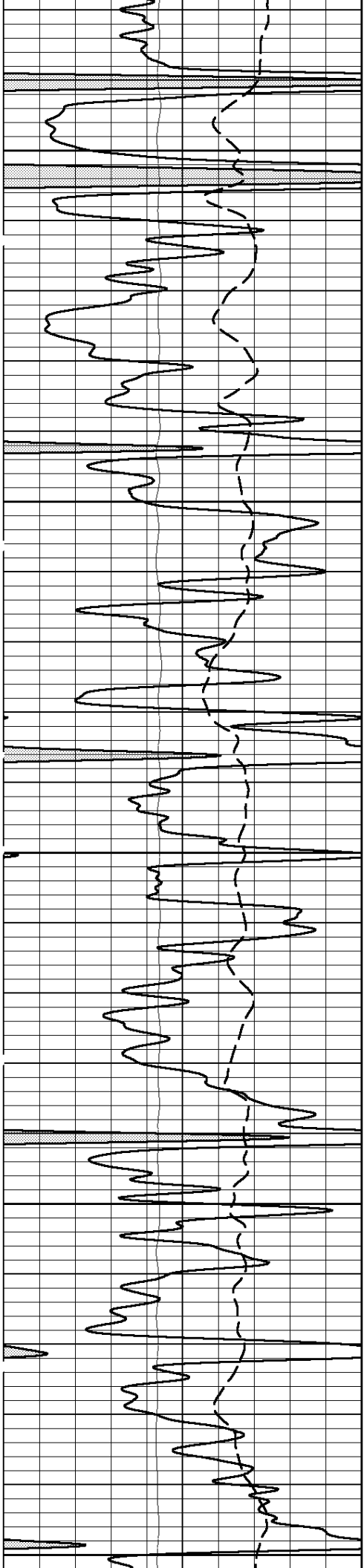
<<LL3

<<ILI

<<ILD







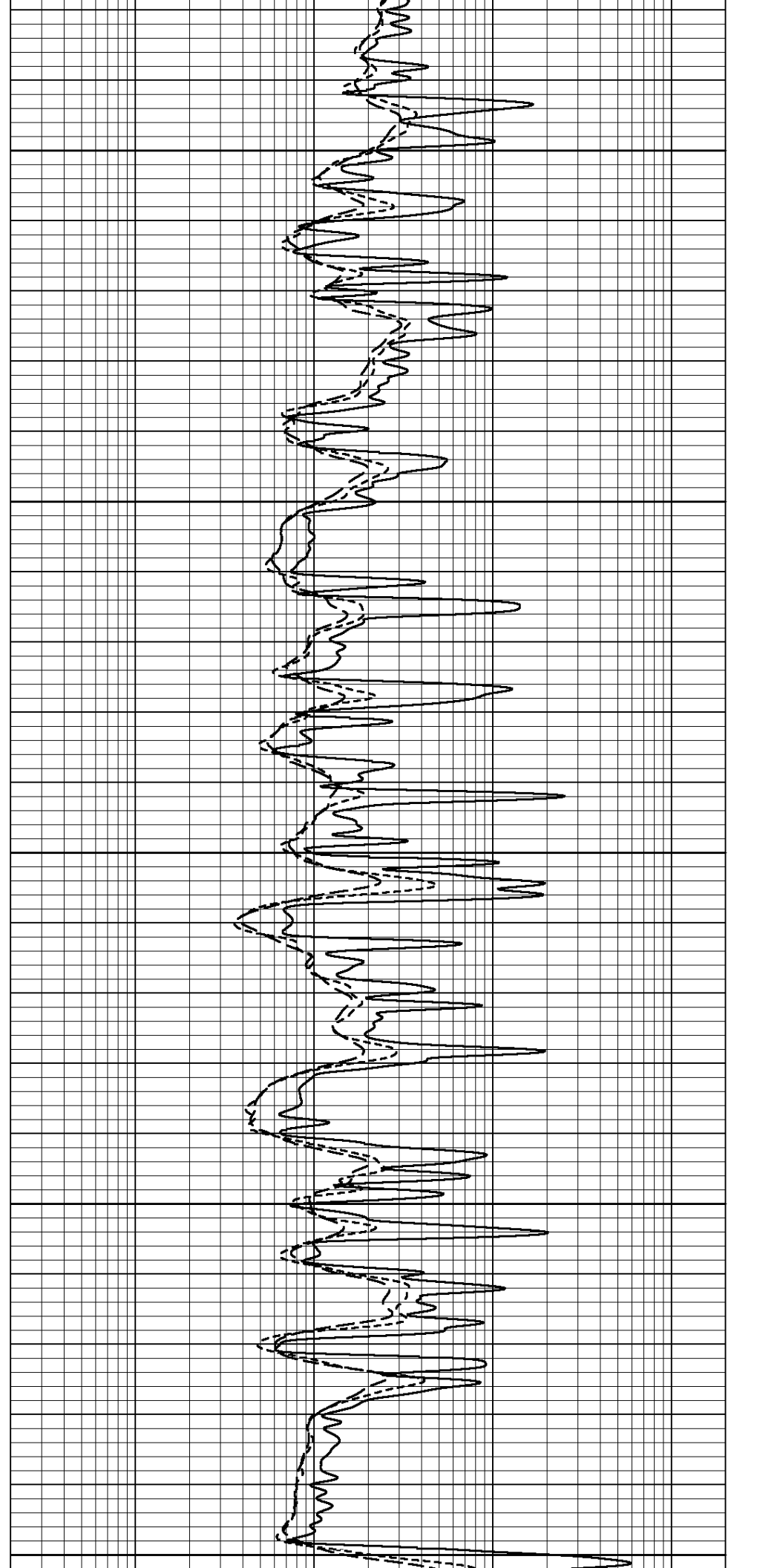
4600

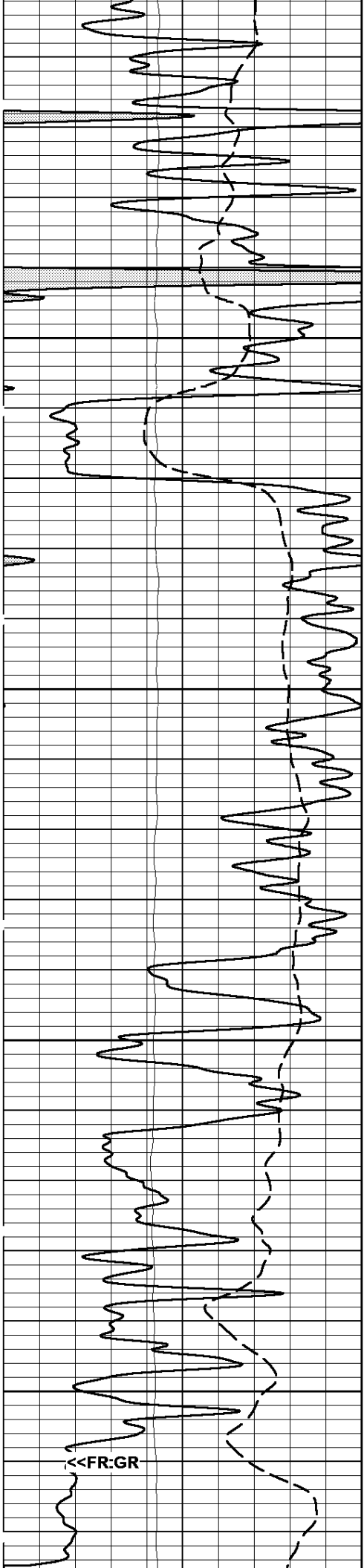
4650

4700

4750

4800



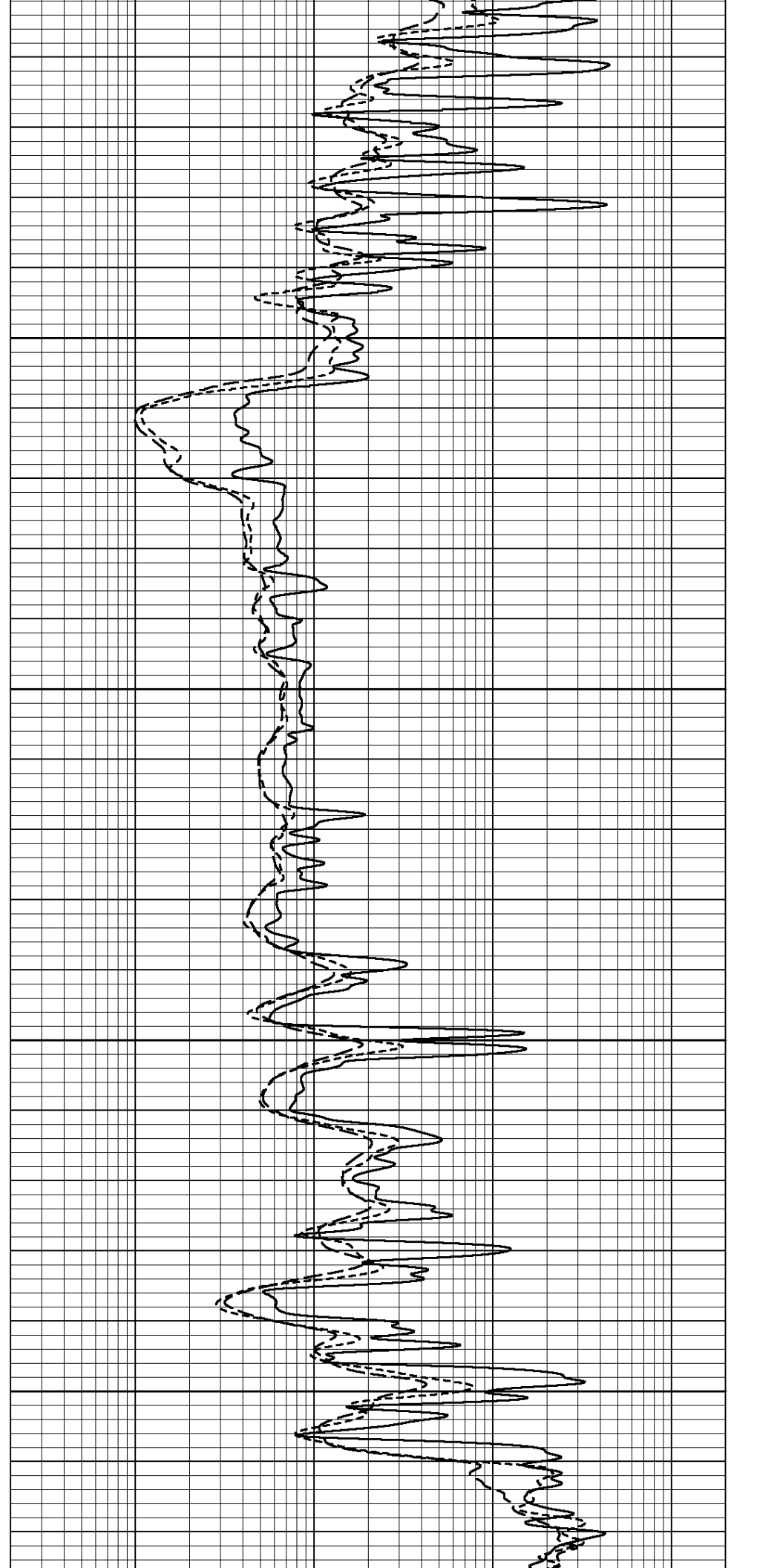


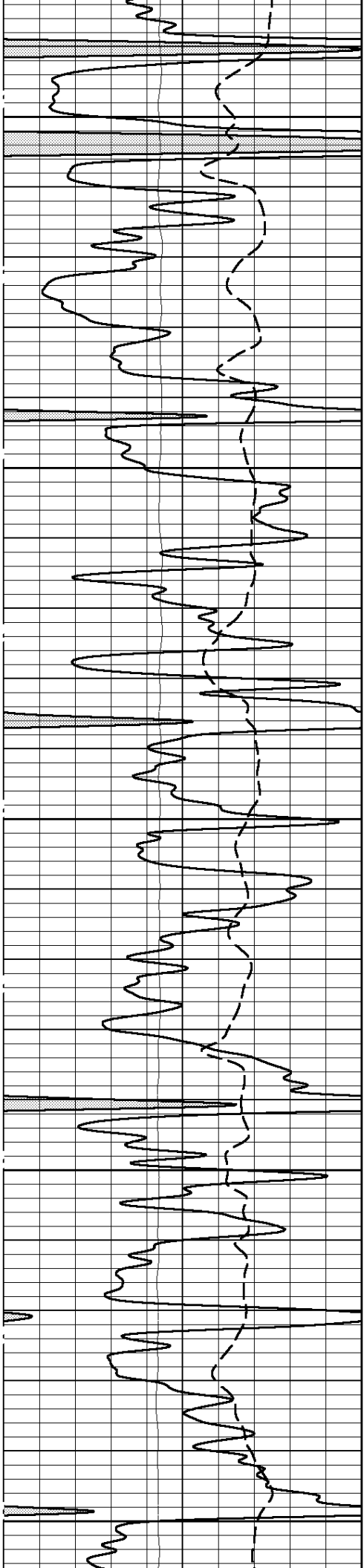
4850

4900

4950

5000





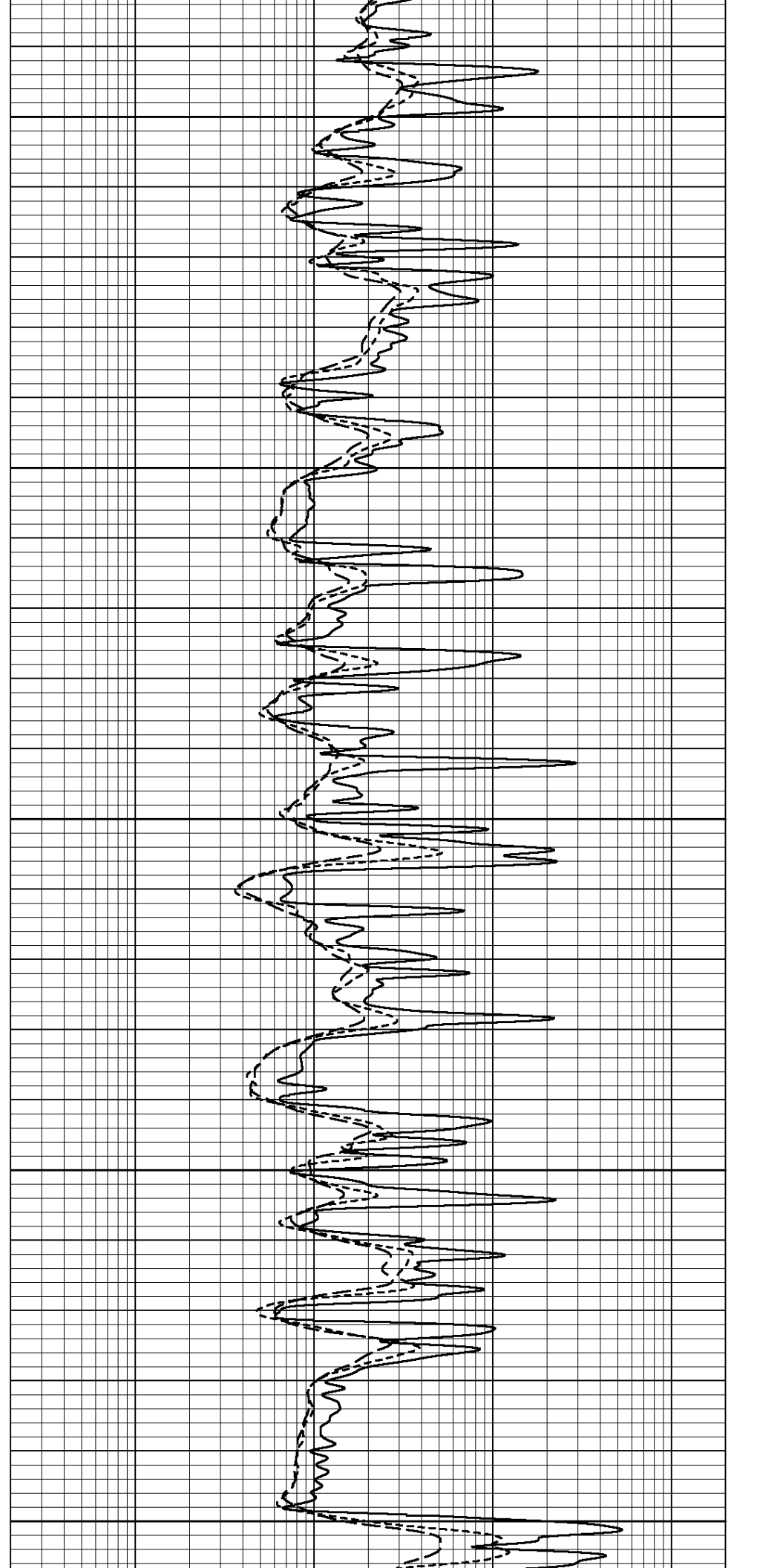
4600

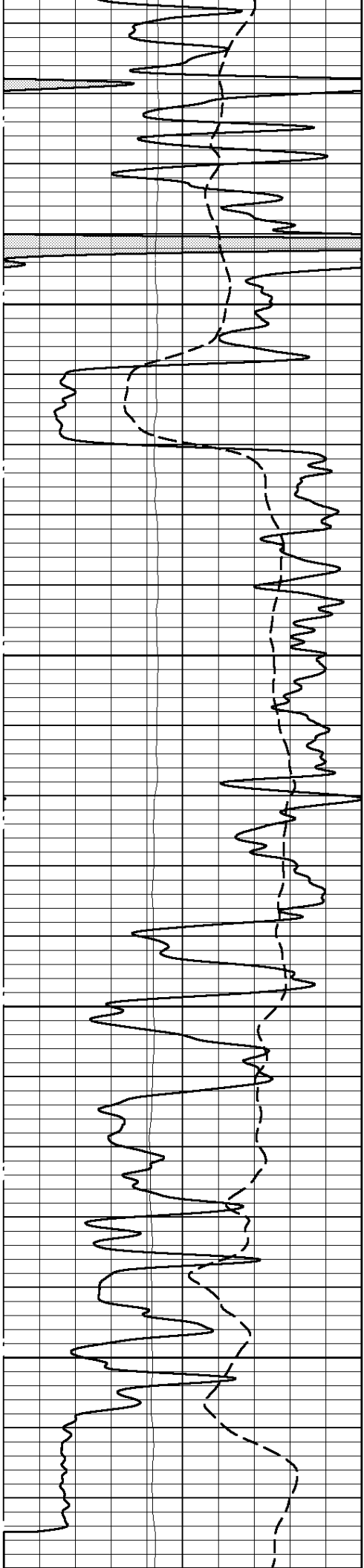
4650

4700

4750

4800



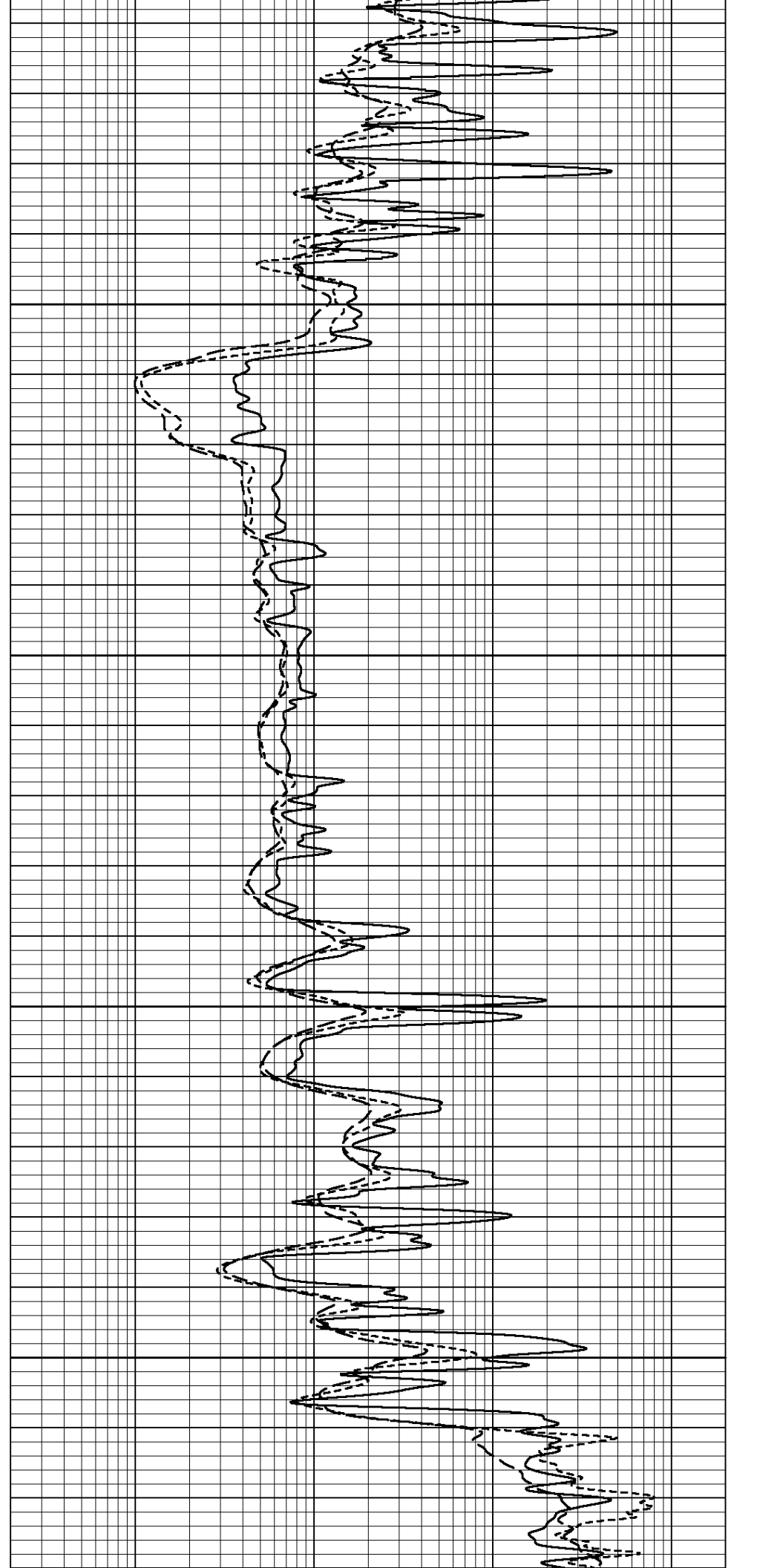


4850

4900

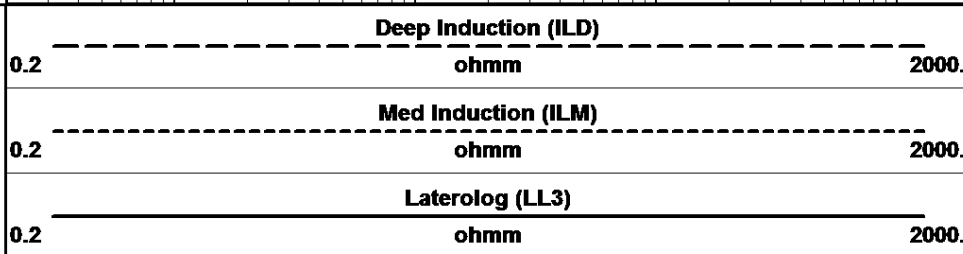
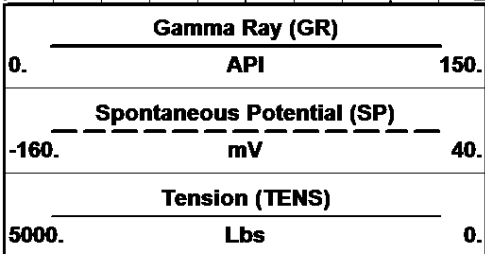
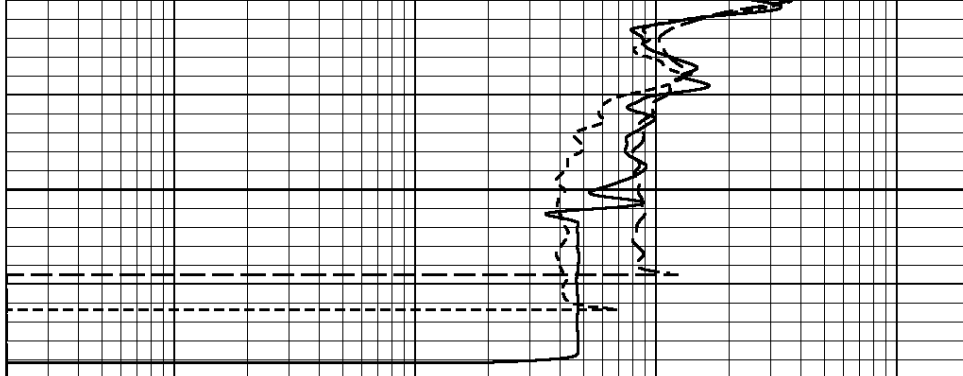
4950

5000



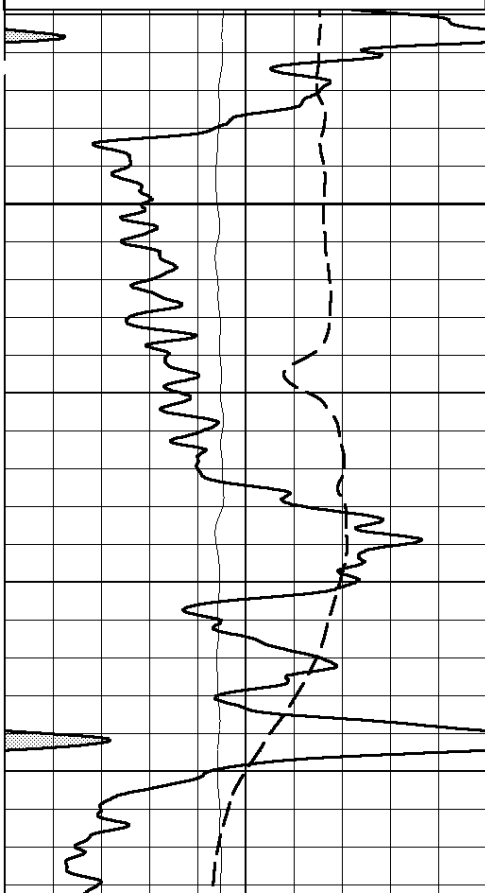
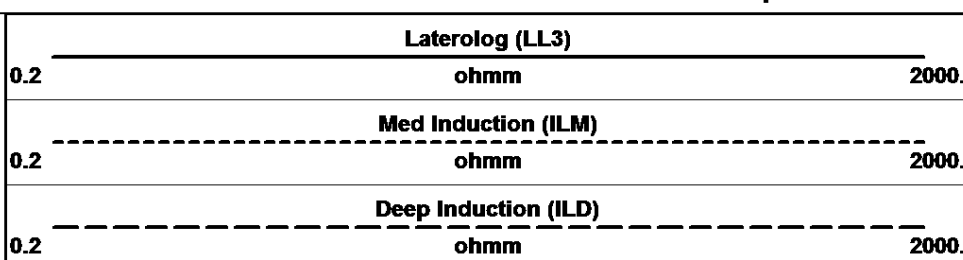
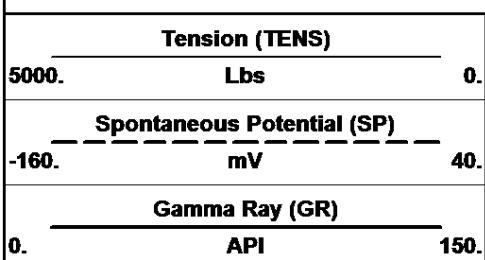


5050

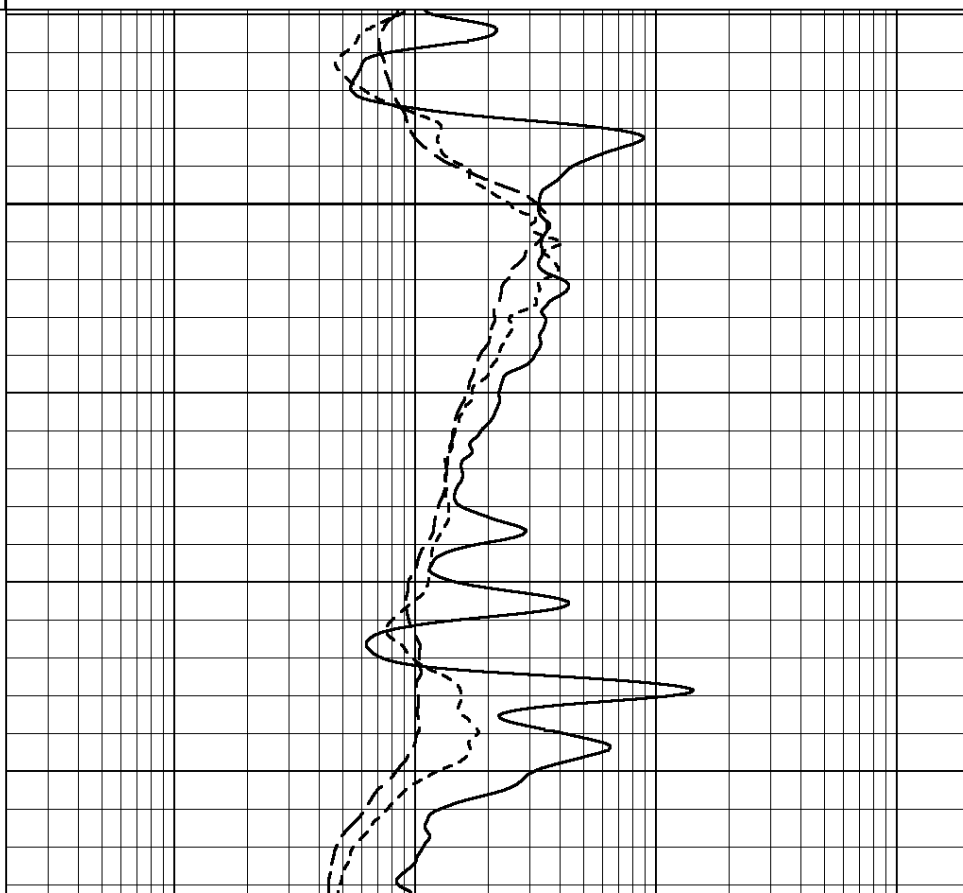


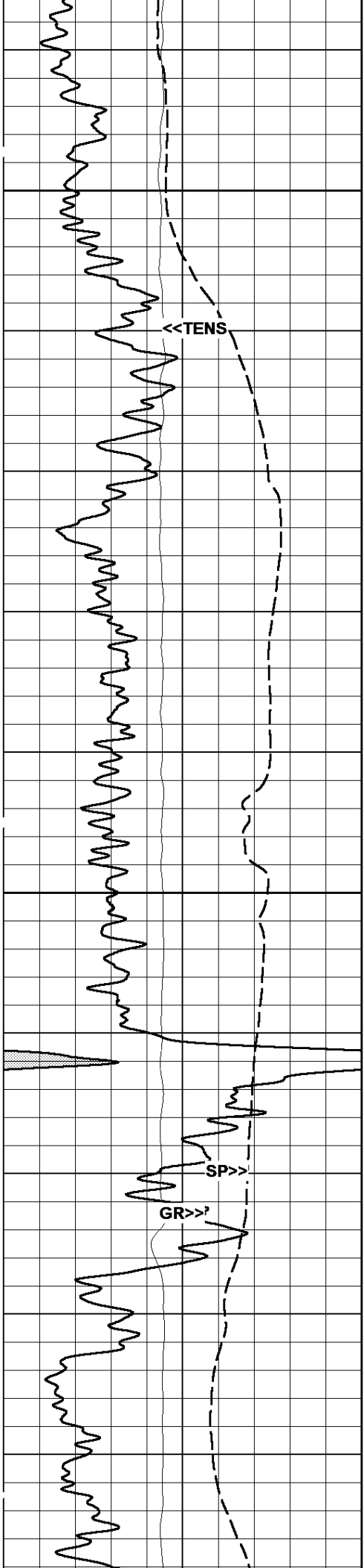
11/23/2014 **REPEAT PASS (5"/100ft)** Log UP - (VER 11.19)
11:37:52 => Start Time Start Depth=> 5069.90 Feet

11/23/2014 **HIGH DEFINITION PASS (20"/100ft)** Log UP - (VER 11.19)
12:01:06 => End Time End Depth=> 4494.93 Feet



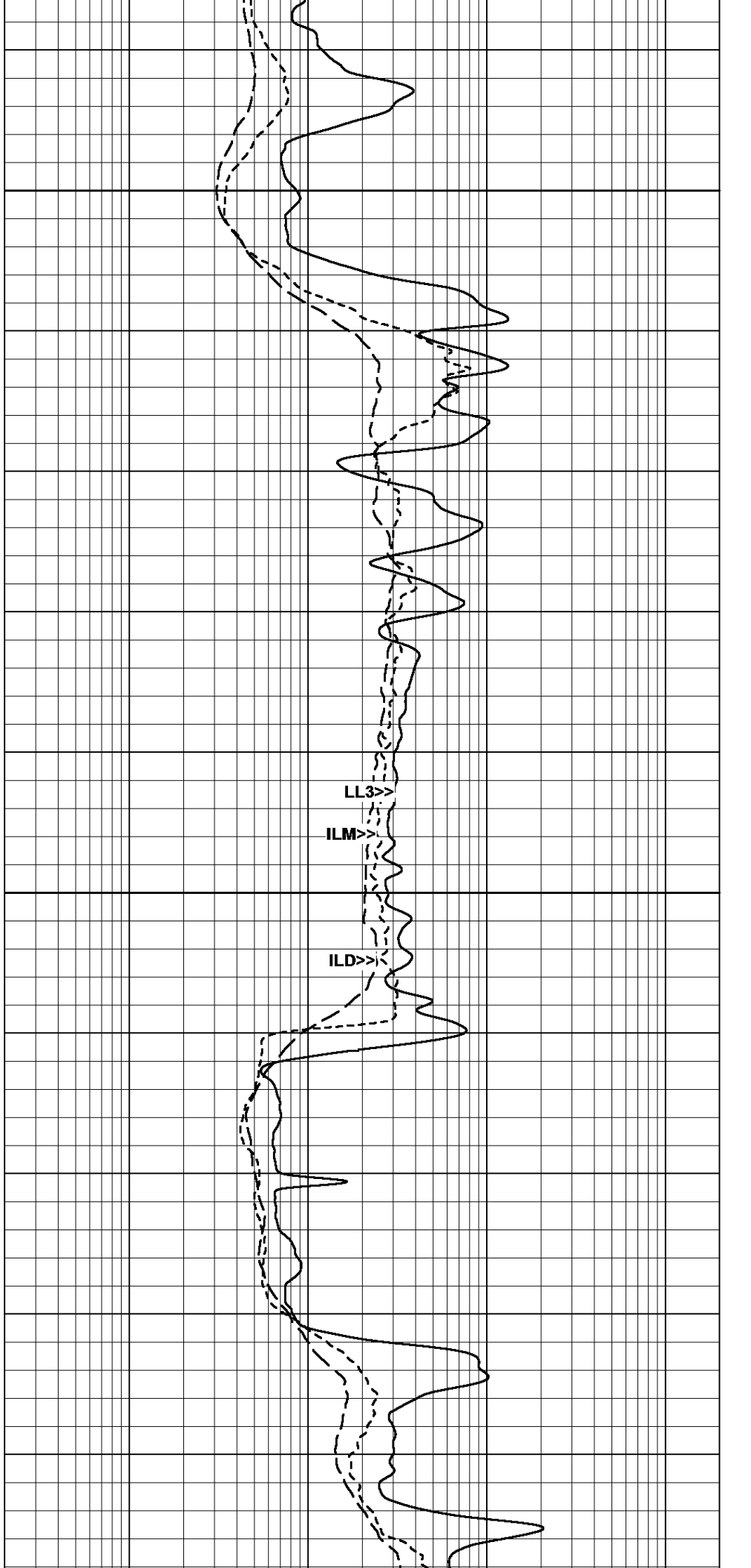
4500

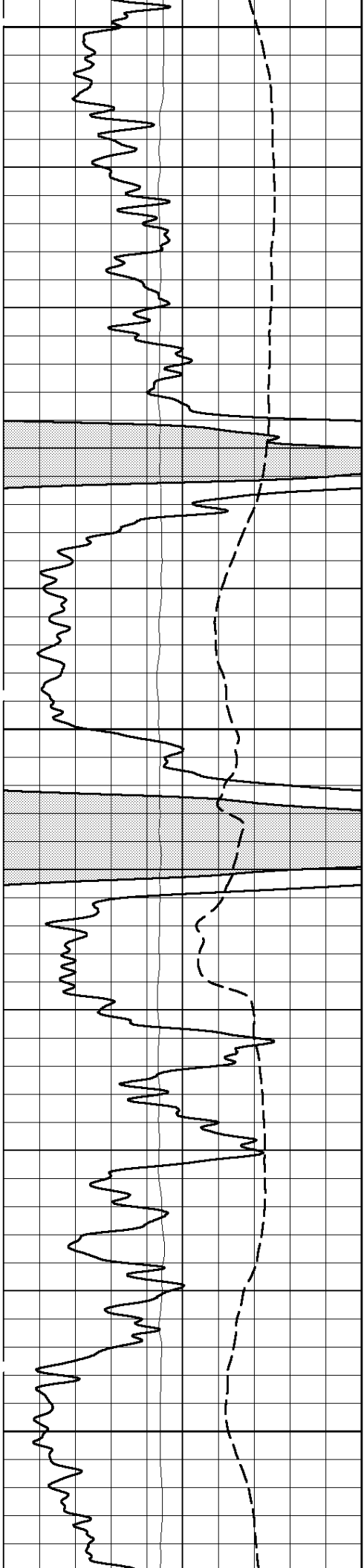




4525

4550

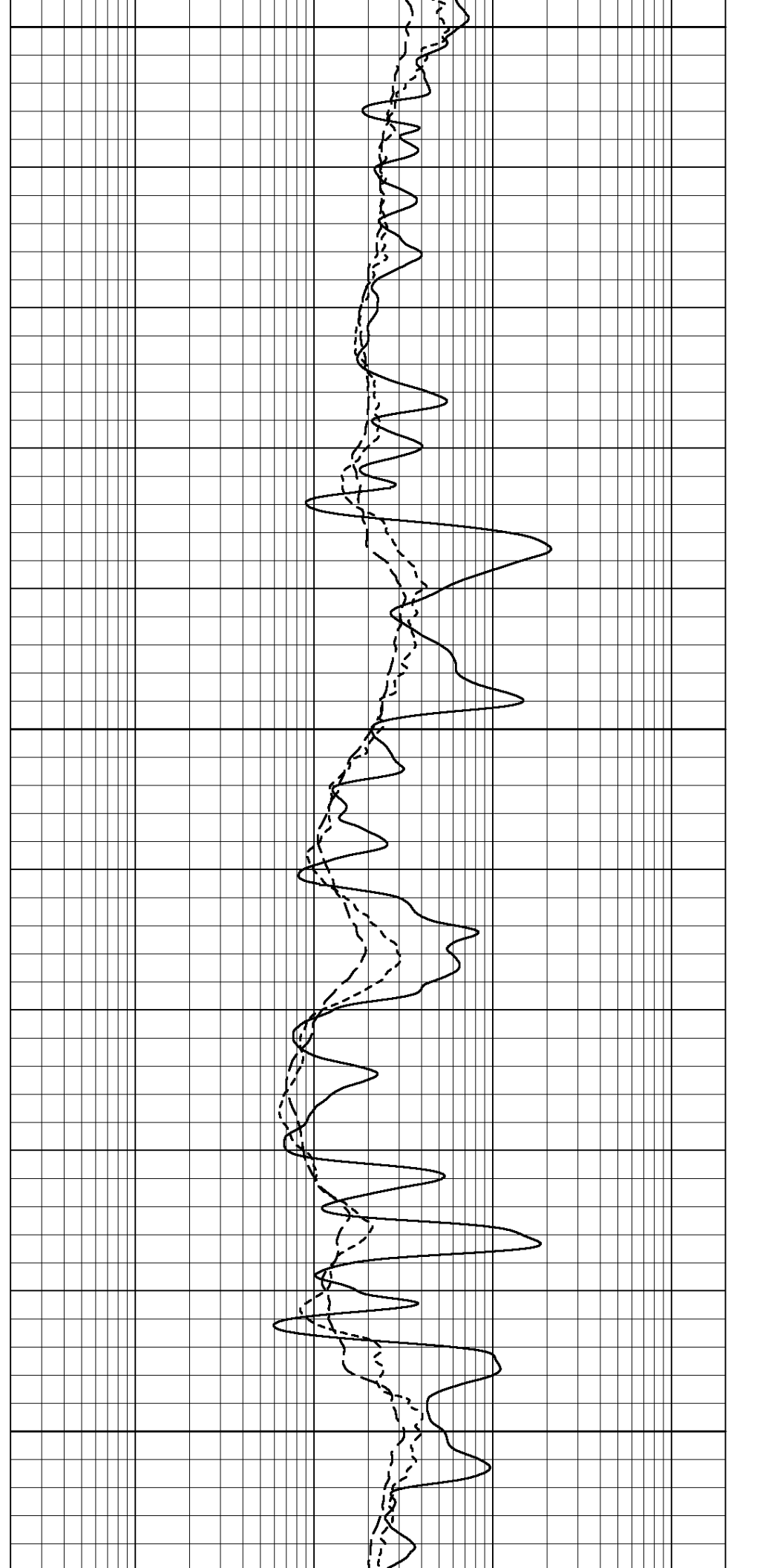


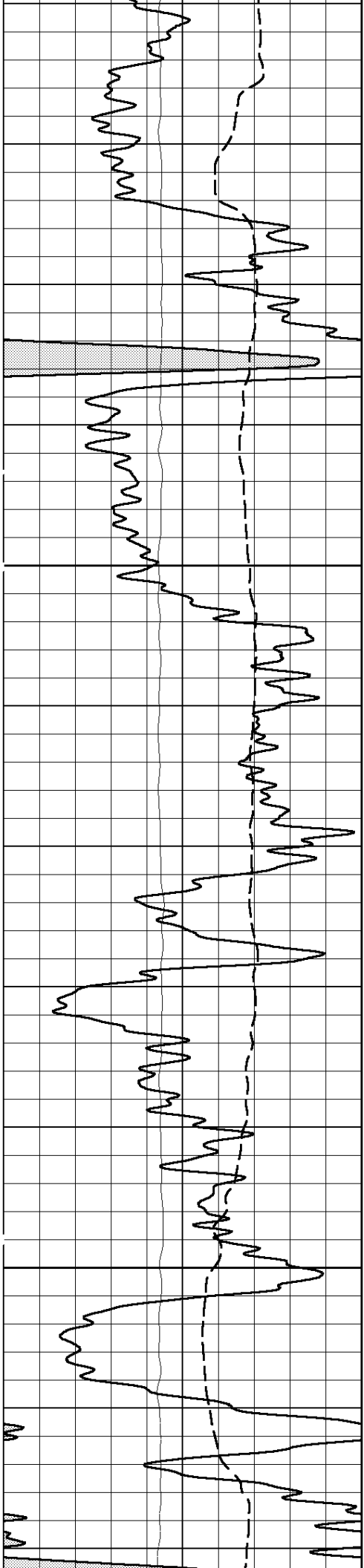


4575

4600

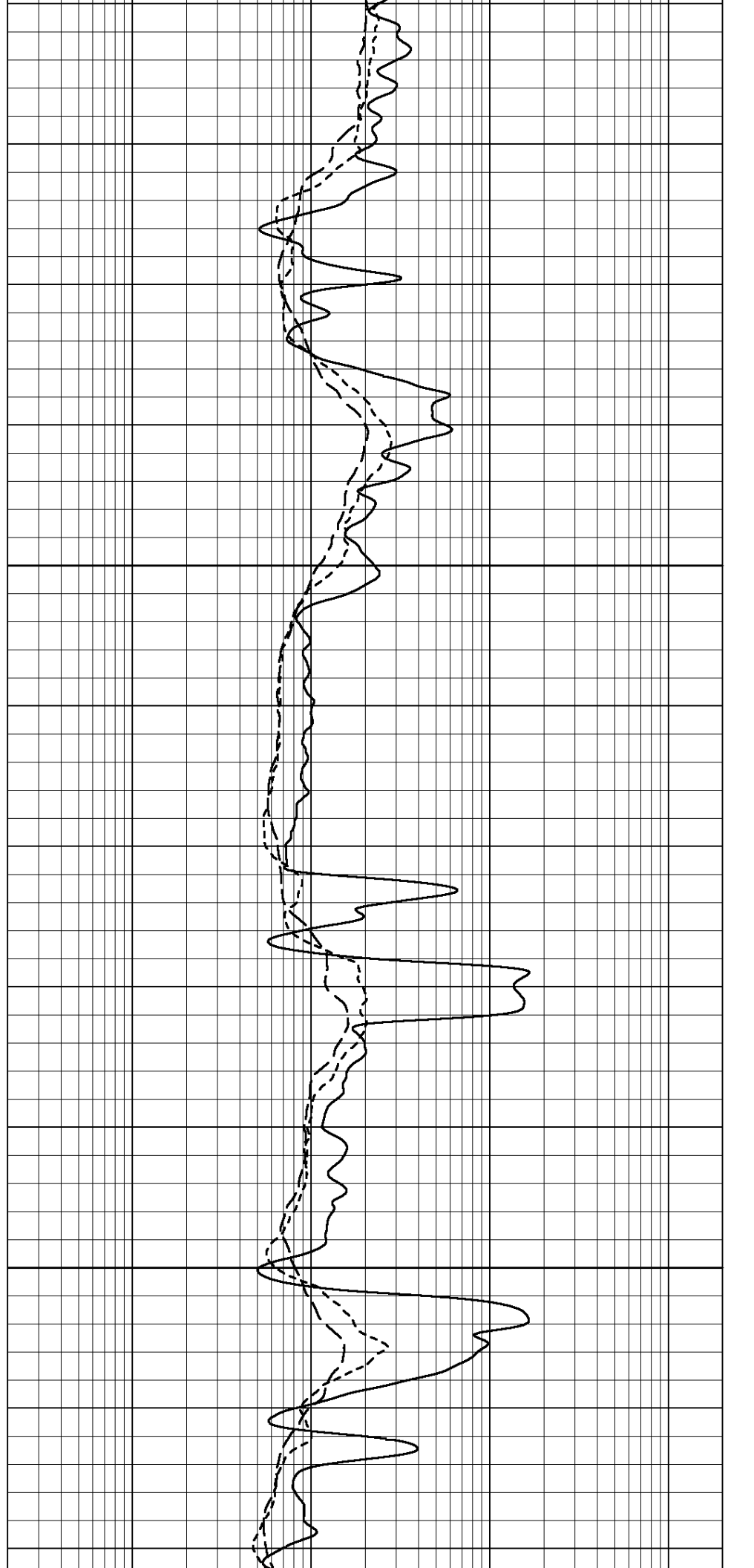
4625

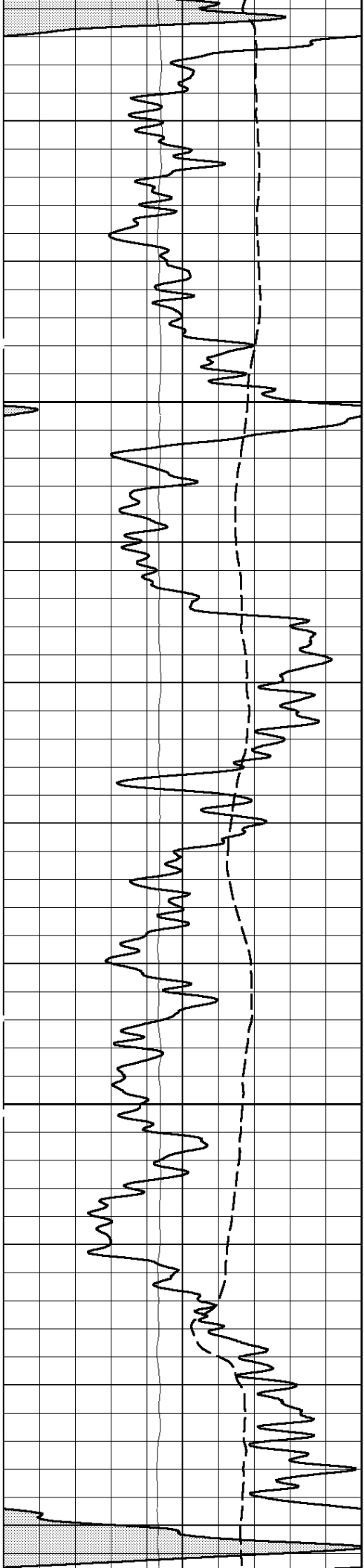




4650

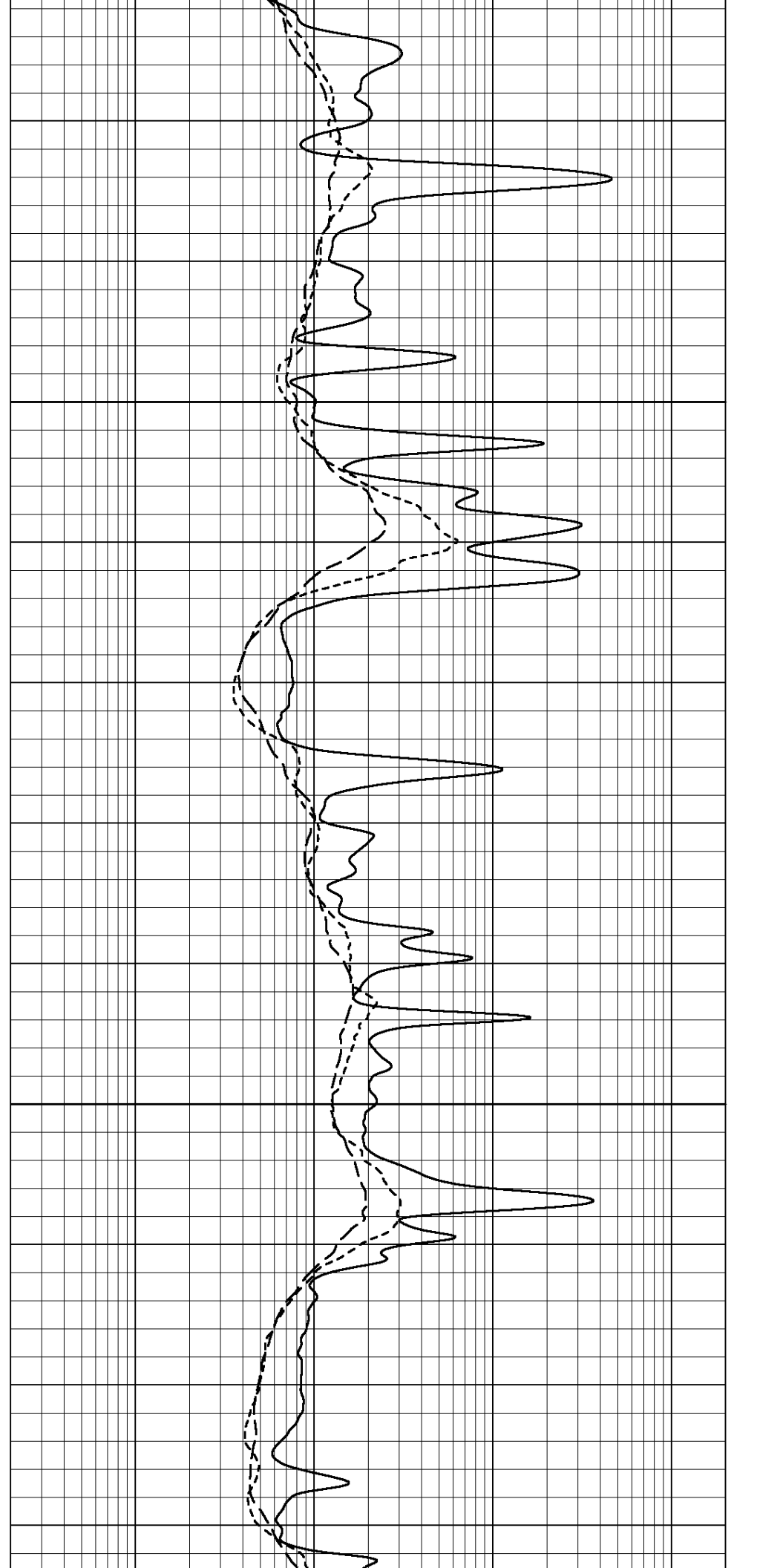
4675

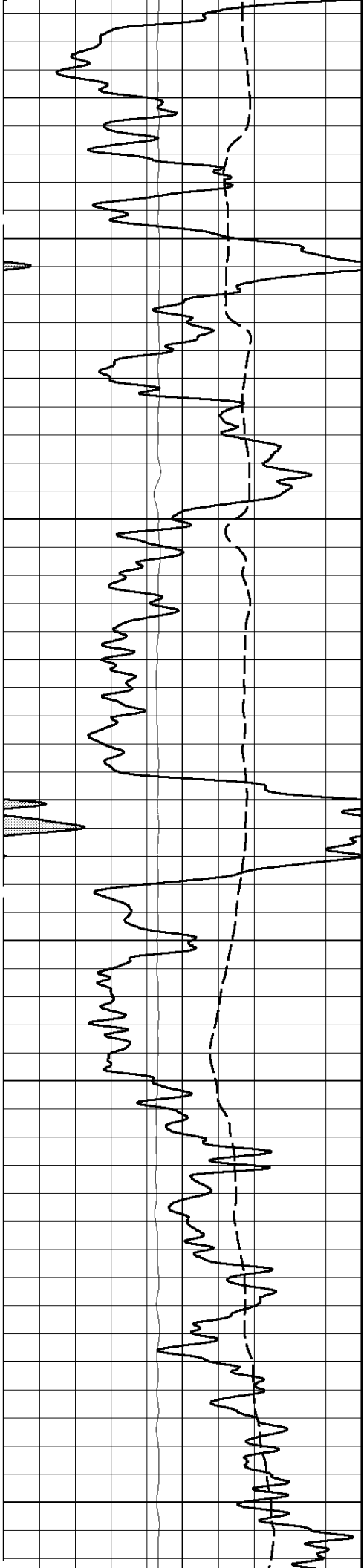




4700

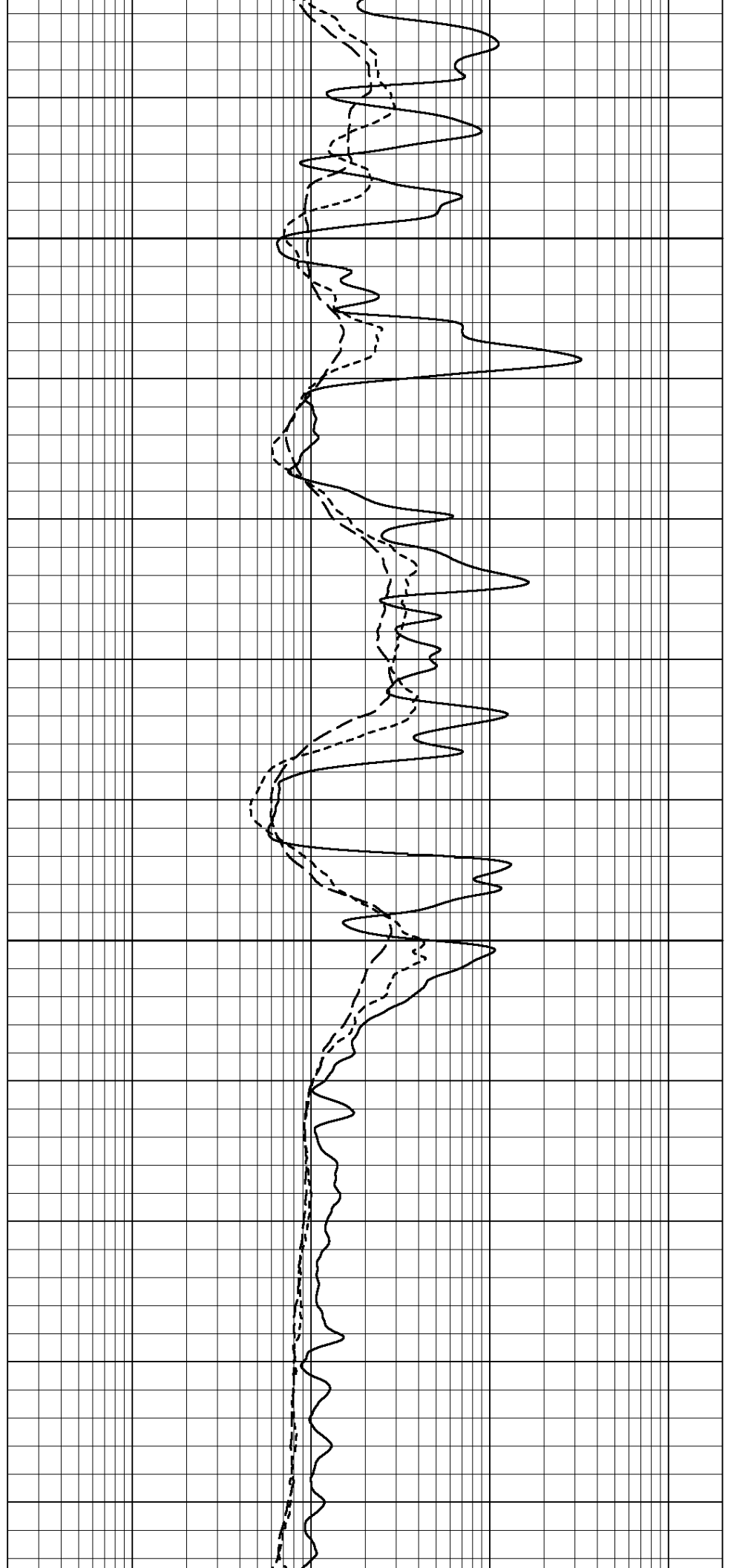
4725

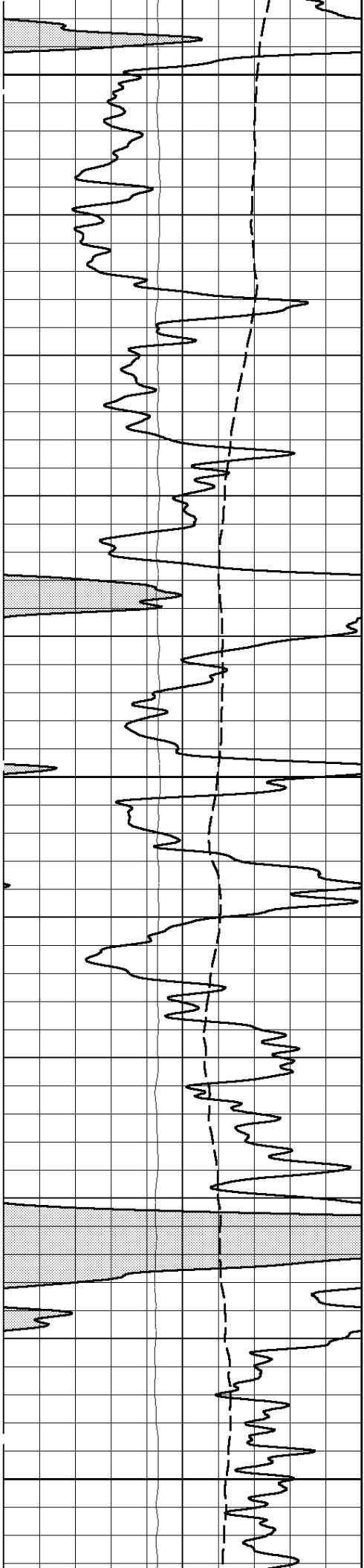




4750

4775

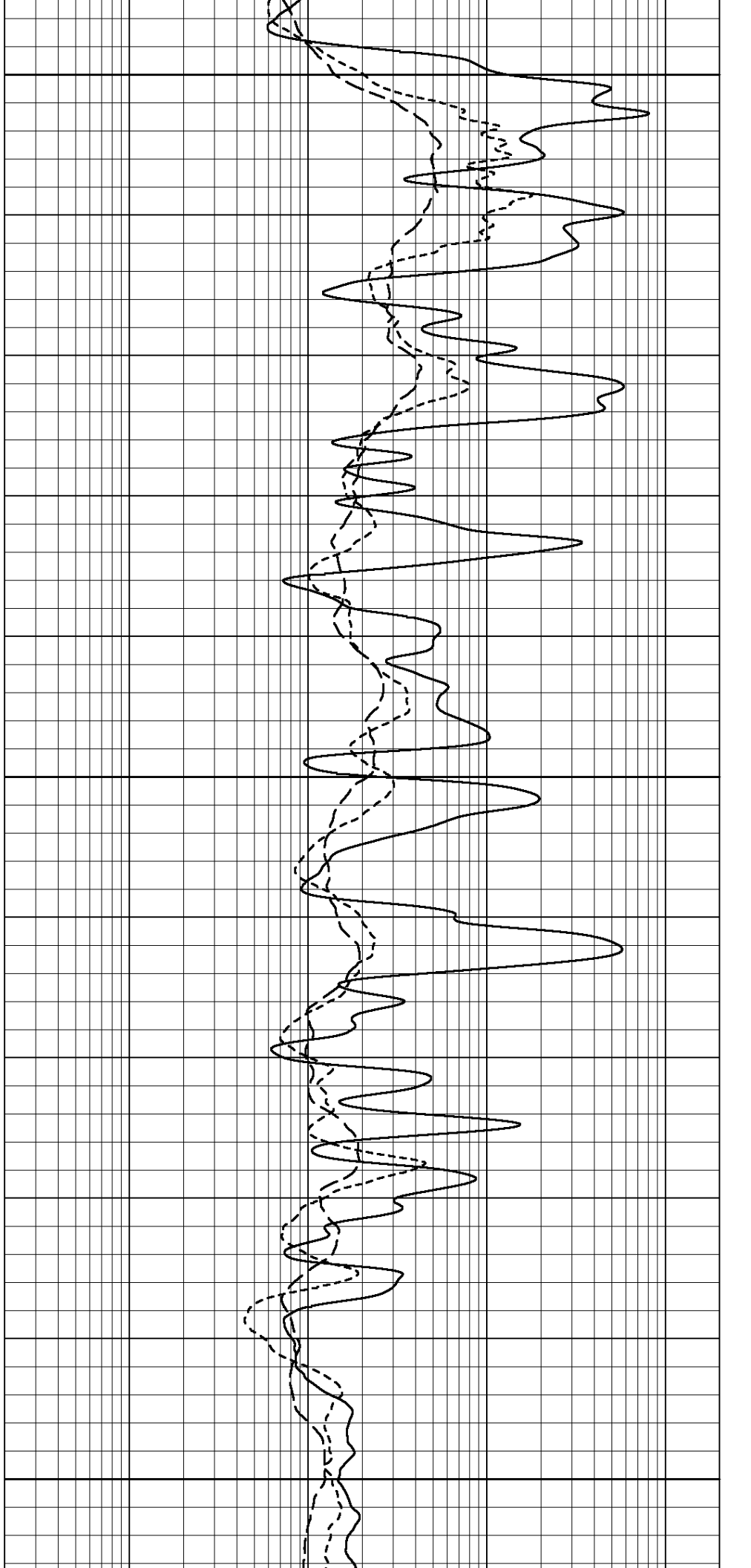


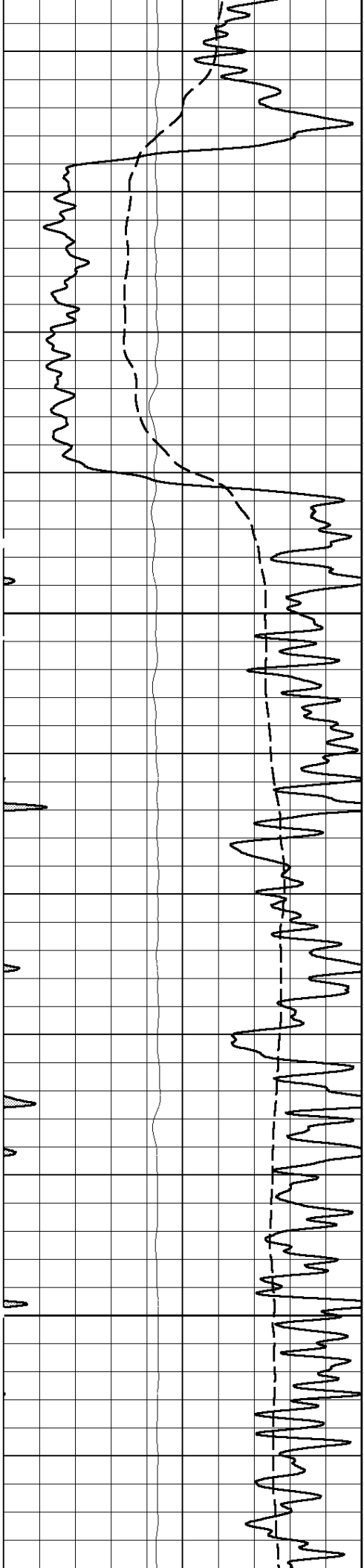


4800

4825

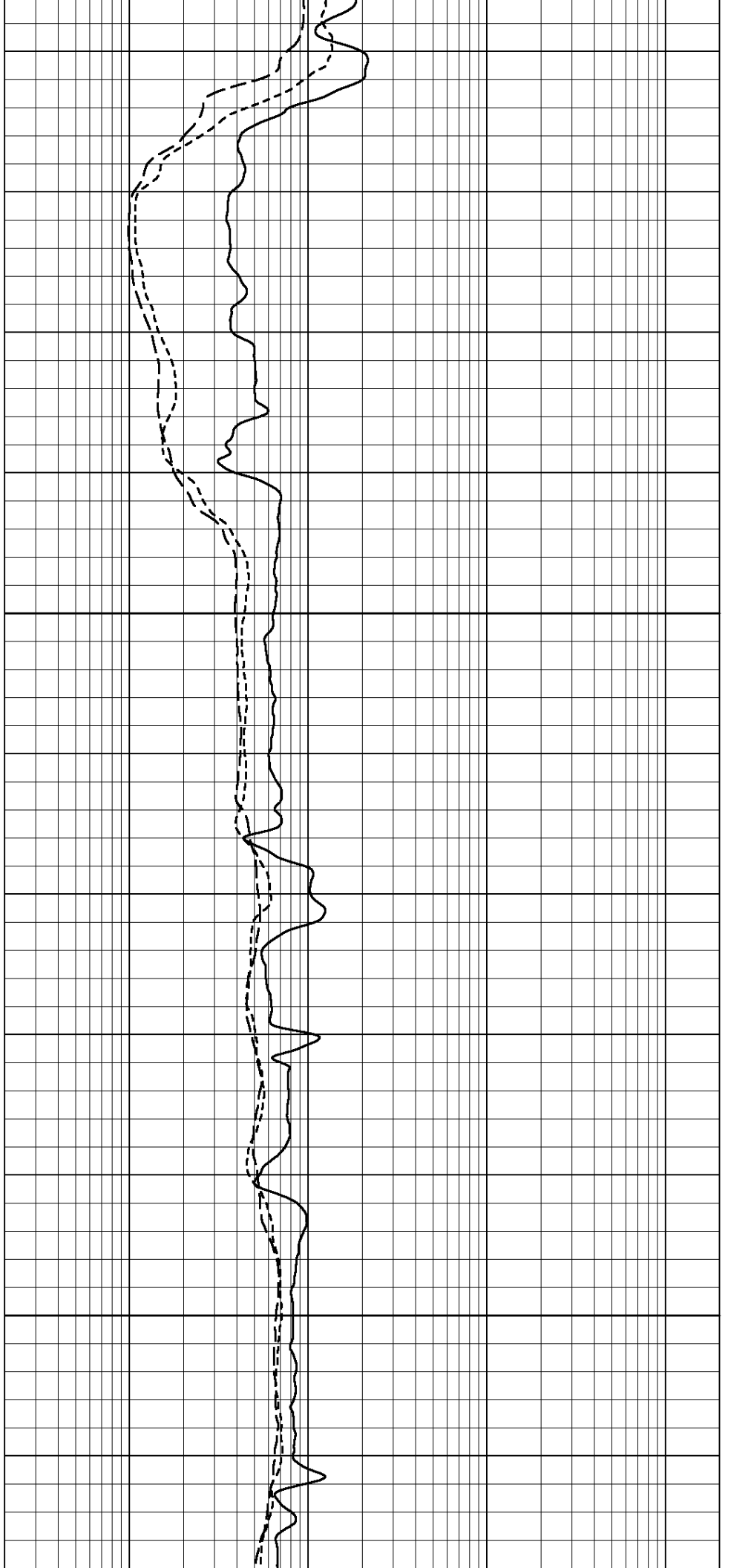
4850

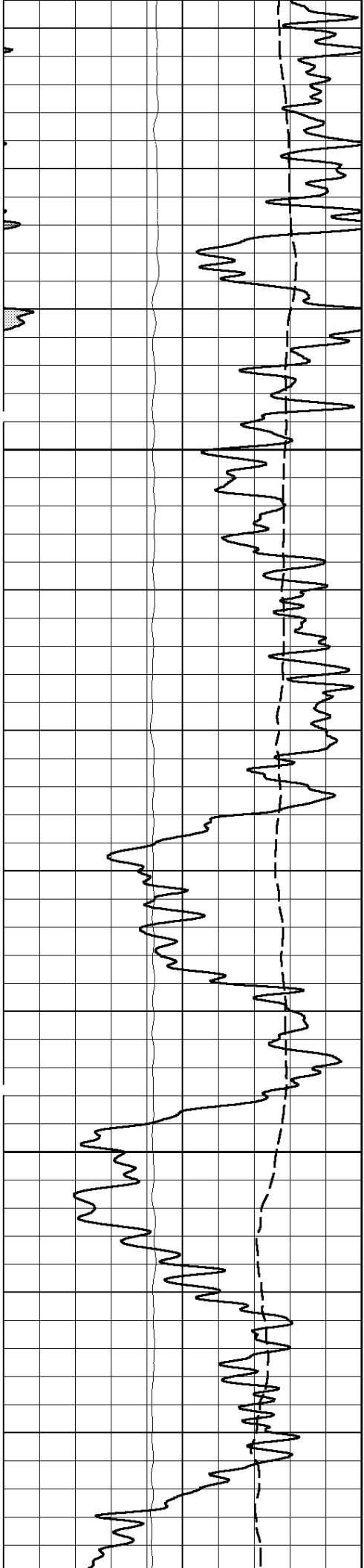




4875

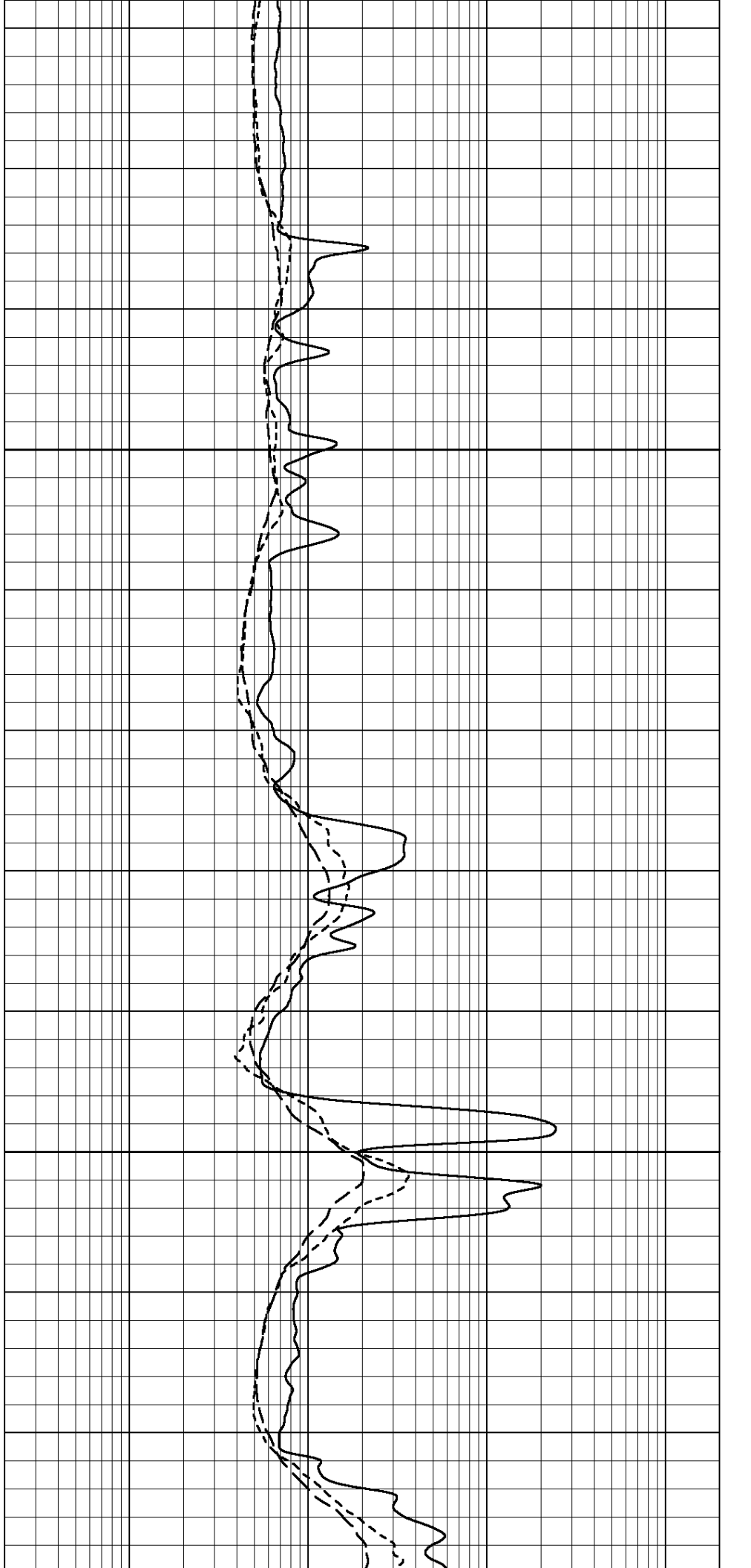
4900

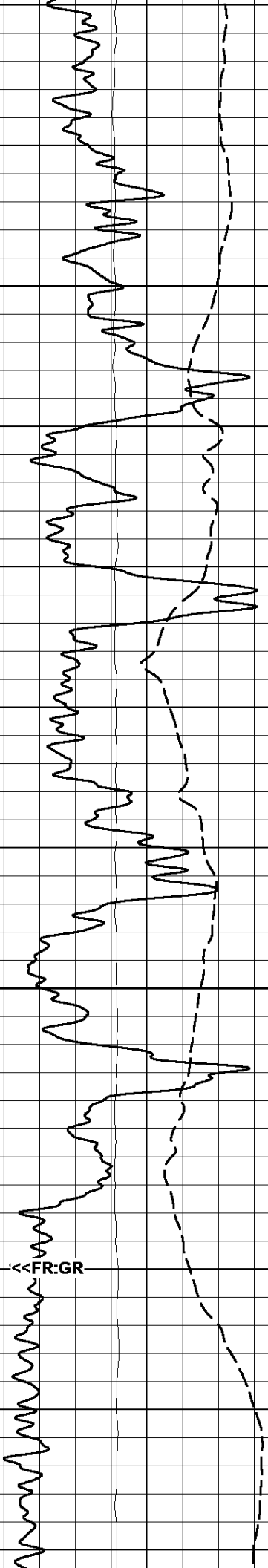




4925

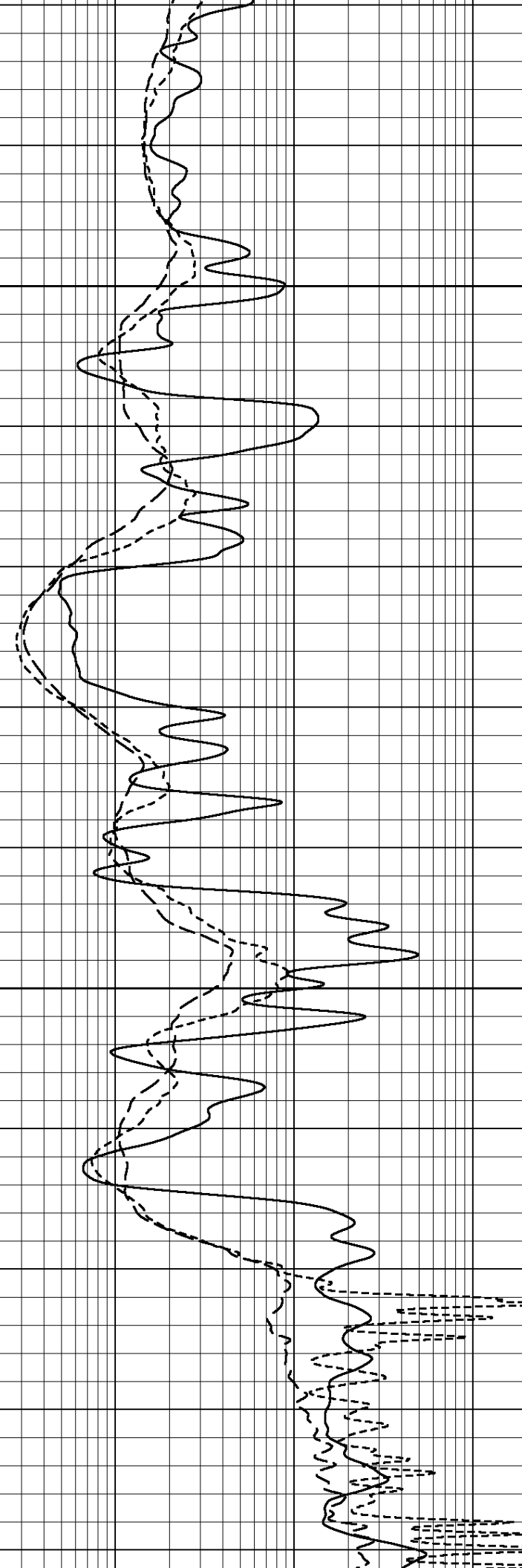
4950

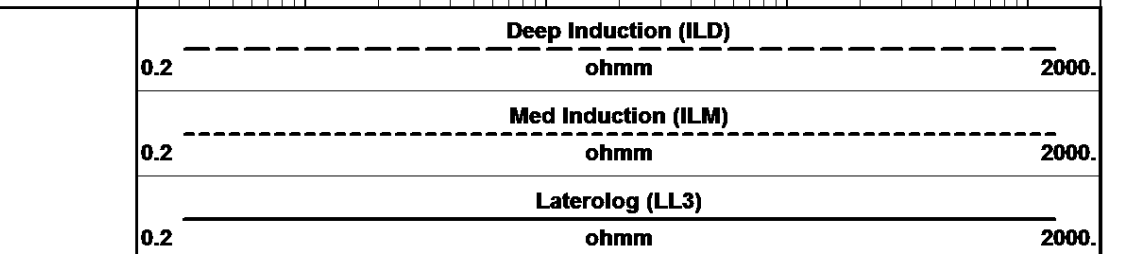
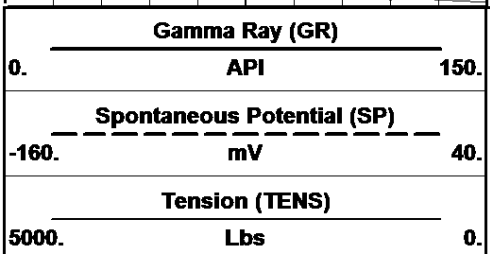
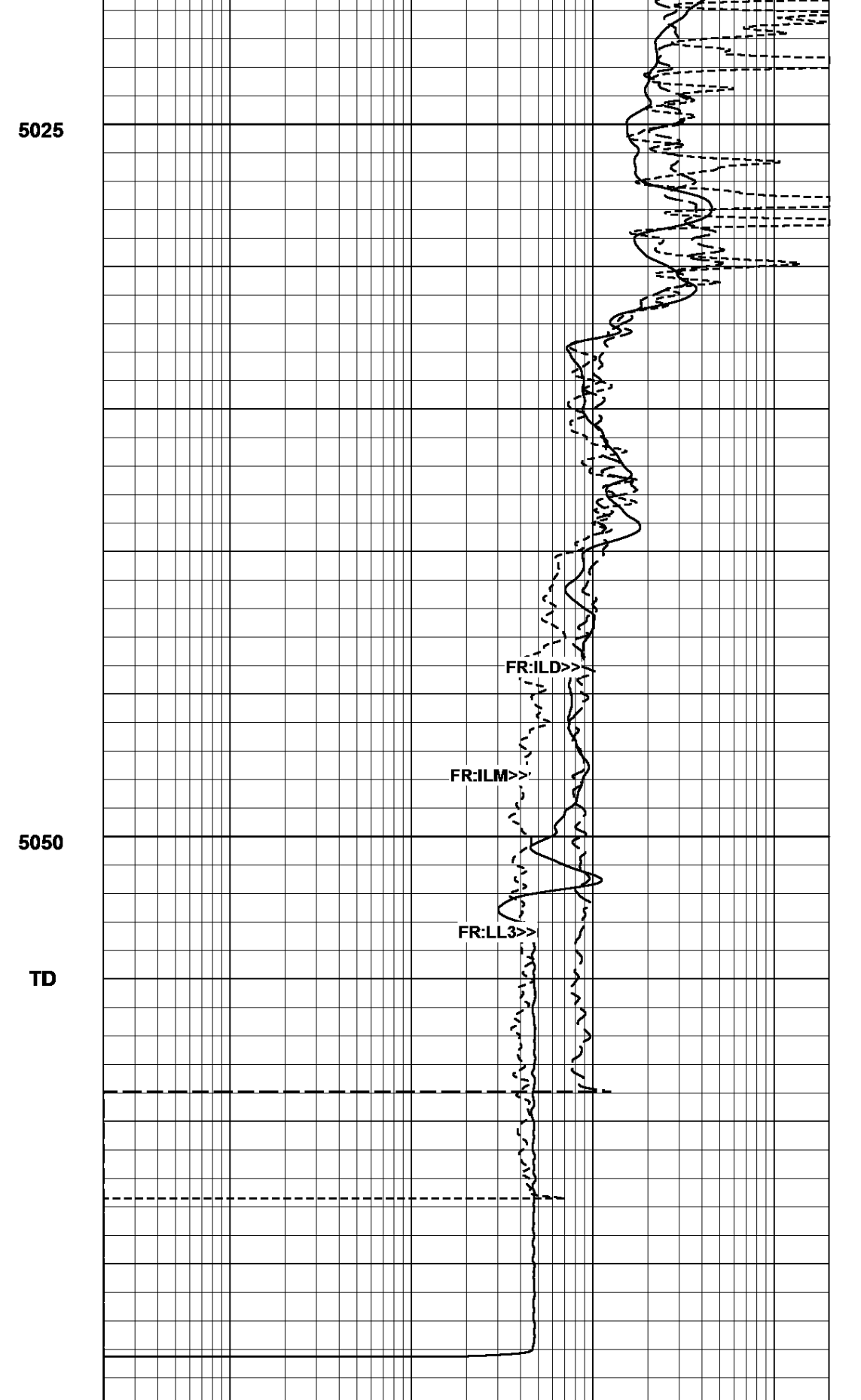
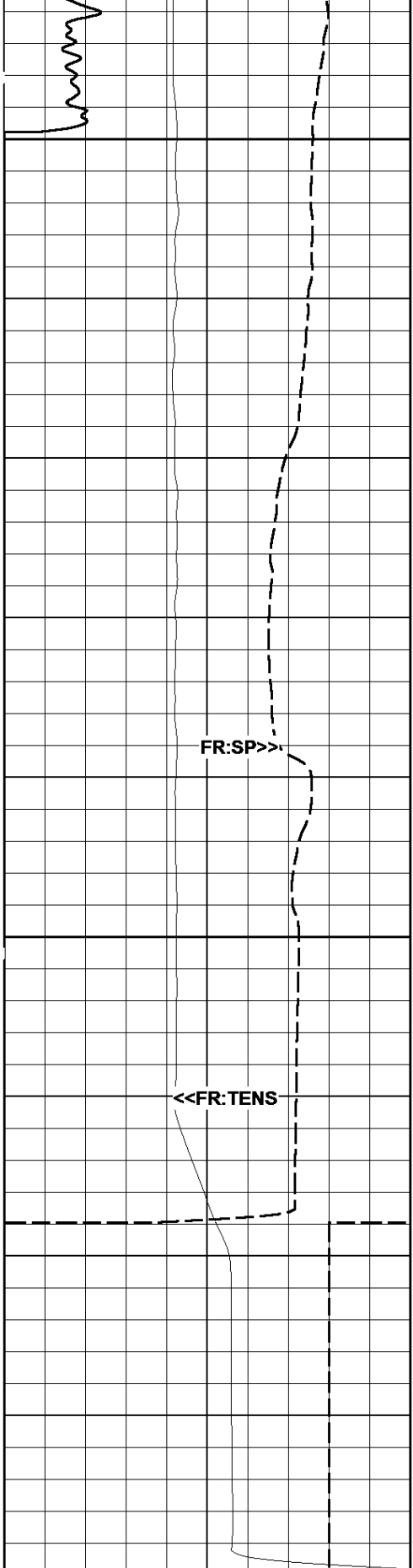




4975

5000





Induction Resistivity / Conductivity Calibrations

TOOL TYPE Slim Hole Induction
 SERIAL NUM RD1012

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	499.231	-7.412	662.779	M/D/Y> 8/5/2014	H:M:S> 12:29:59
MED INDUCTION	0.000		462.500	501.895	-11.684	763.026	M/D/Y> 8/5/2014	H:M:S> 12:36:51
SHALLOW LATERLOG	CALIBRATOR LOW(ohm)		CALIBRATOR HI(ohm)		LOW(mV)	HI(mV)	M/D/Y> 8/5/2014	H:M:S> 12:42:35
	2.000		500.000		11.451	2494.822		

WELL SITE CALIBRATIONS

GAMMA RAY CALIBRATION

SERIAL NUM RG3011
 BLANKET NUM 1A

MASTER CALIBRATIONS

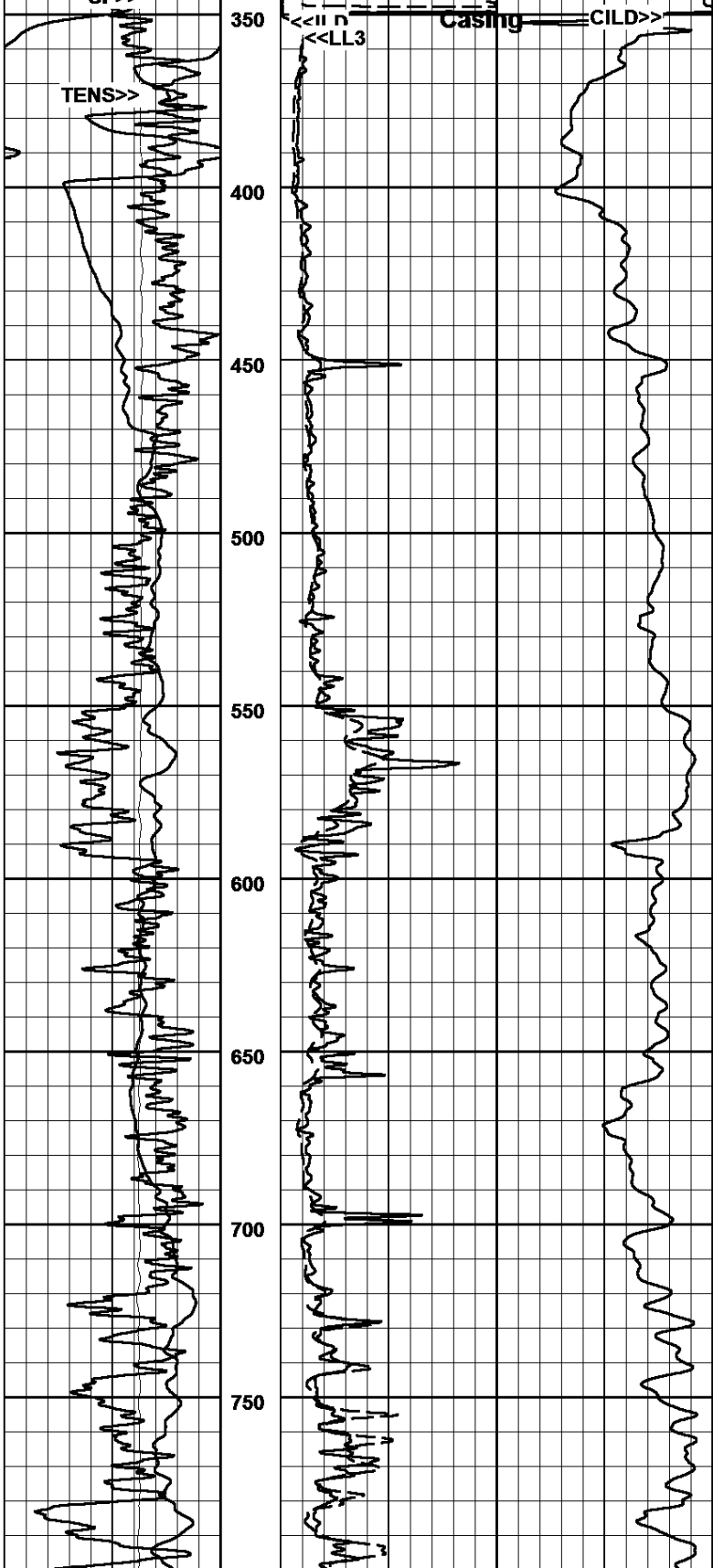
	BackGrnd	CalVal: 159.000 API	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	42.861 - raw	293.877 - raw	0.633 - gain 0.000 - off	M/D/Y> 10/13/2014	H:M:S> 17:52:45

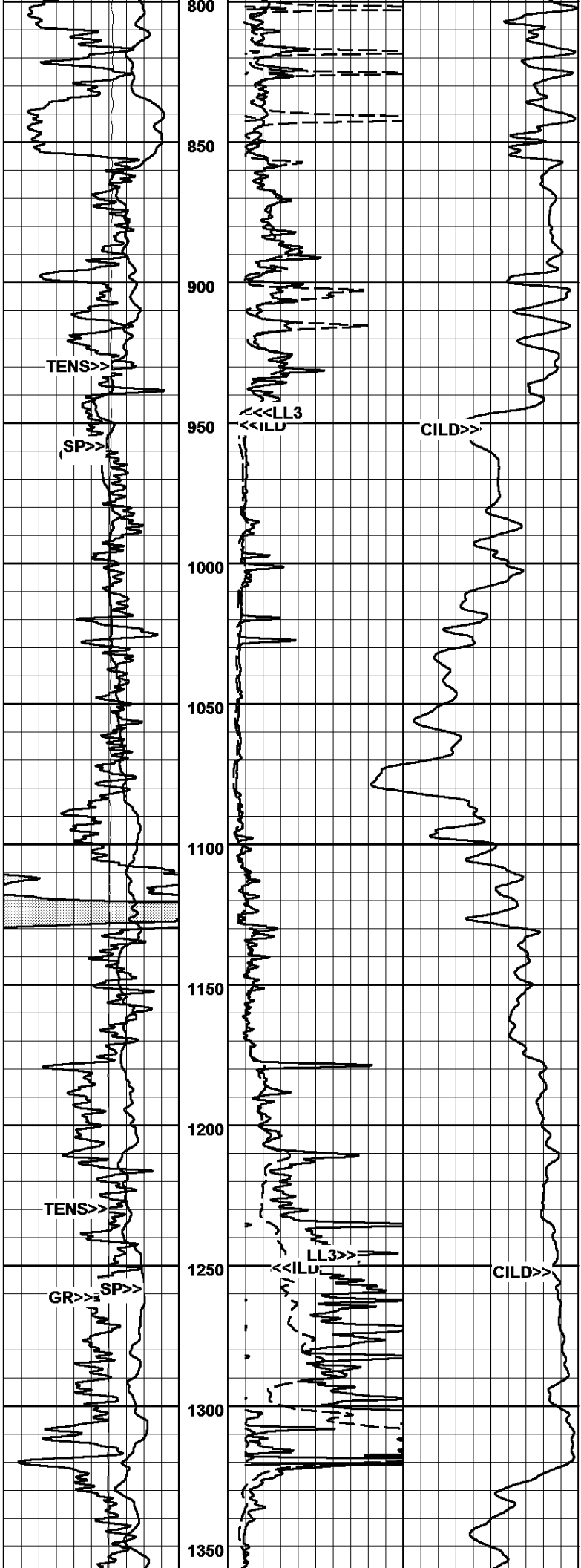
Company	RED OAK ENERGY, INC.
Well	BERNING #1-16
Field	WILDCAT
County	WICHITA
State	KANSAS

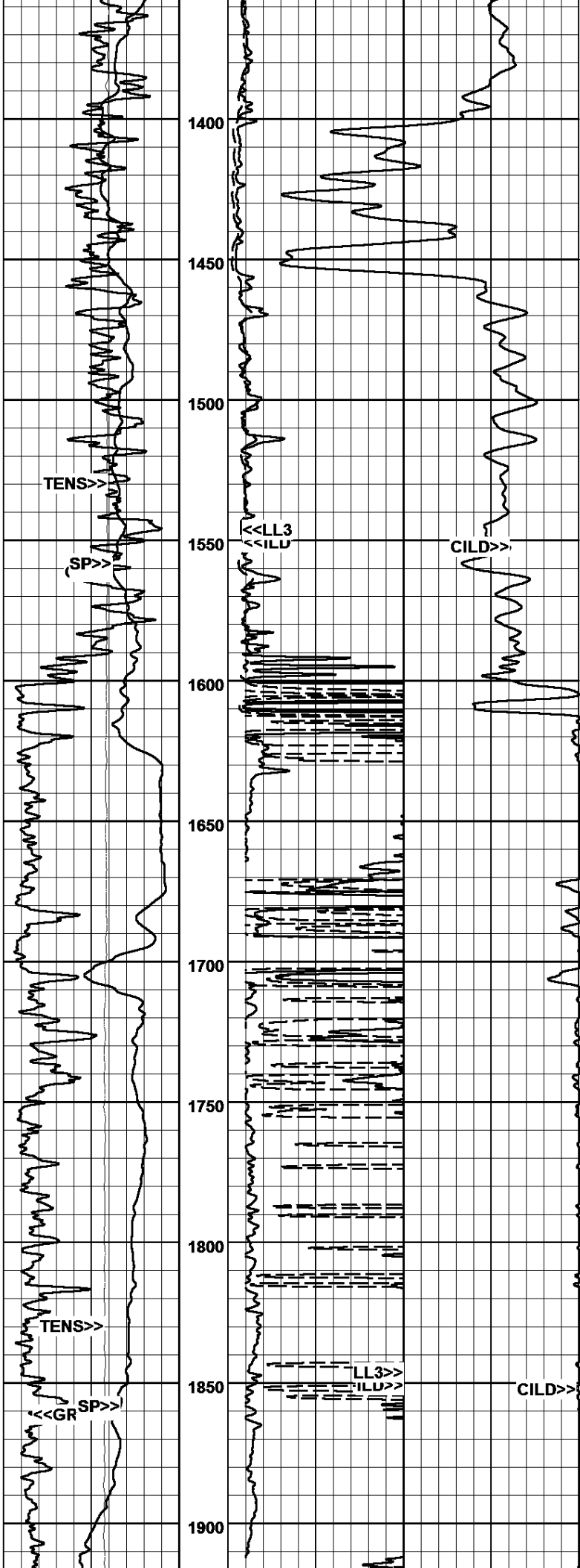


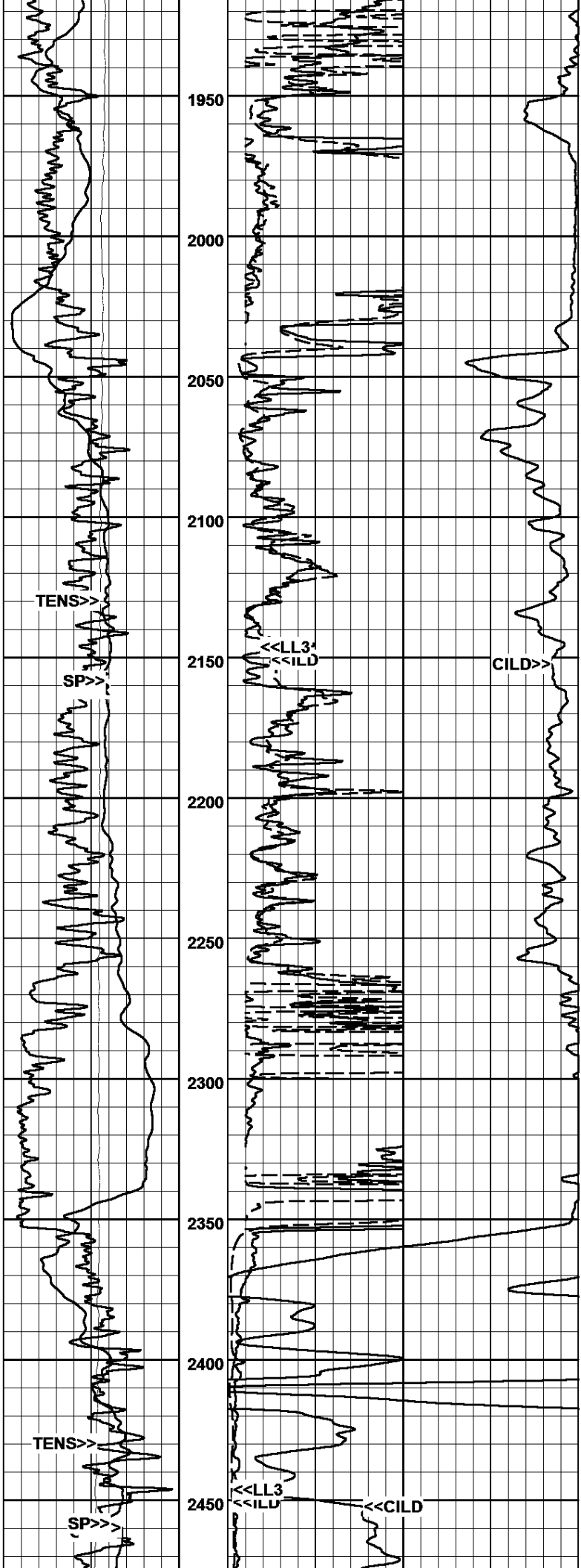
DUAL INDUCTION
 LATEROLOG - SP
 GAMMA RAY

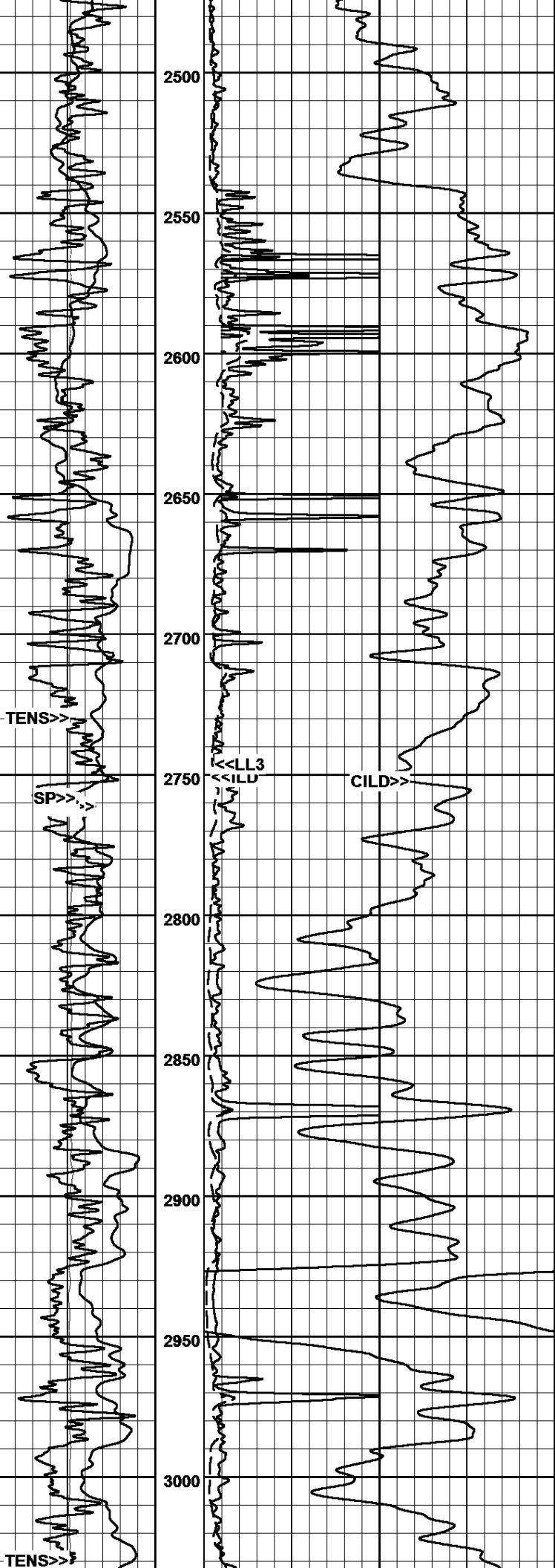
Tension (TENS) 5000. Lbs 0.	Laterolog (LL3) 0. ohmm 50.
Spontaneous Potential (SP) -160. mV 40.	Deep Induction (ILD) 0. ohmm 50.
Gamma Ray (GR) 0. API 150.	Deep Induction (CILD) 1000. mmhos 0.

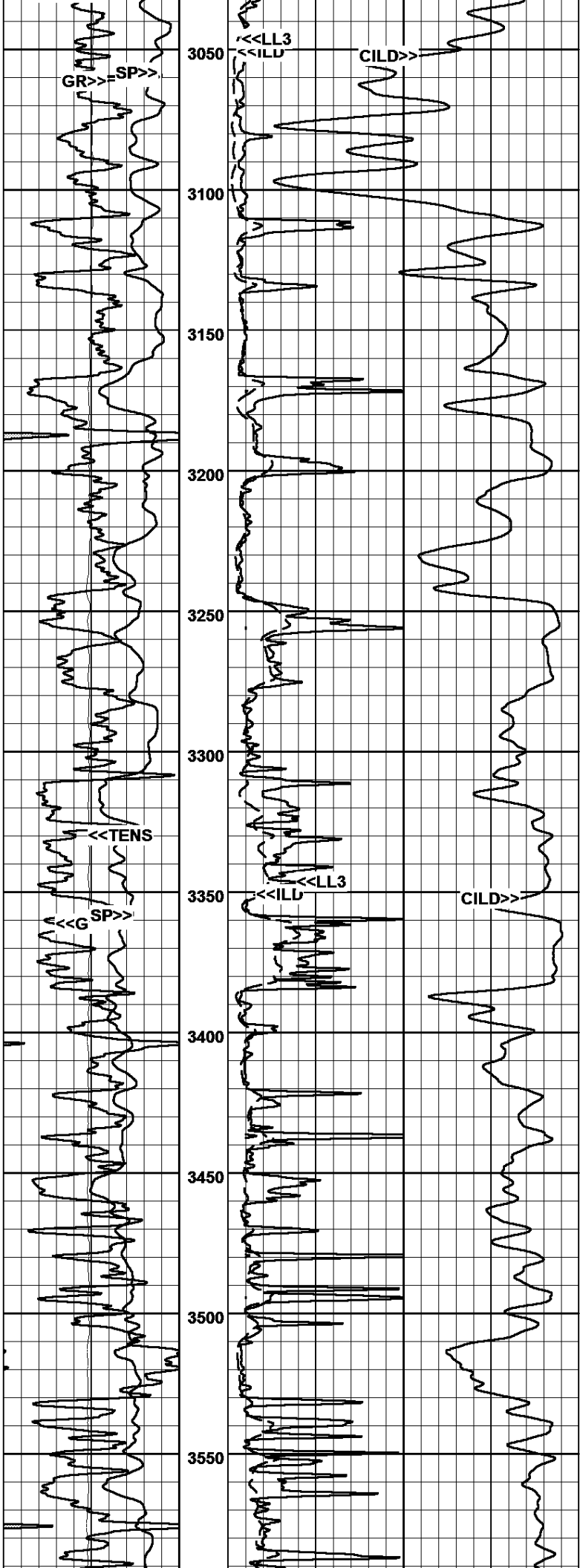


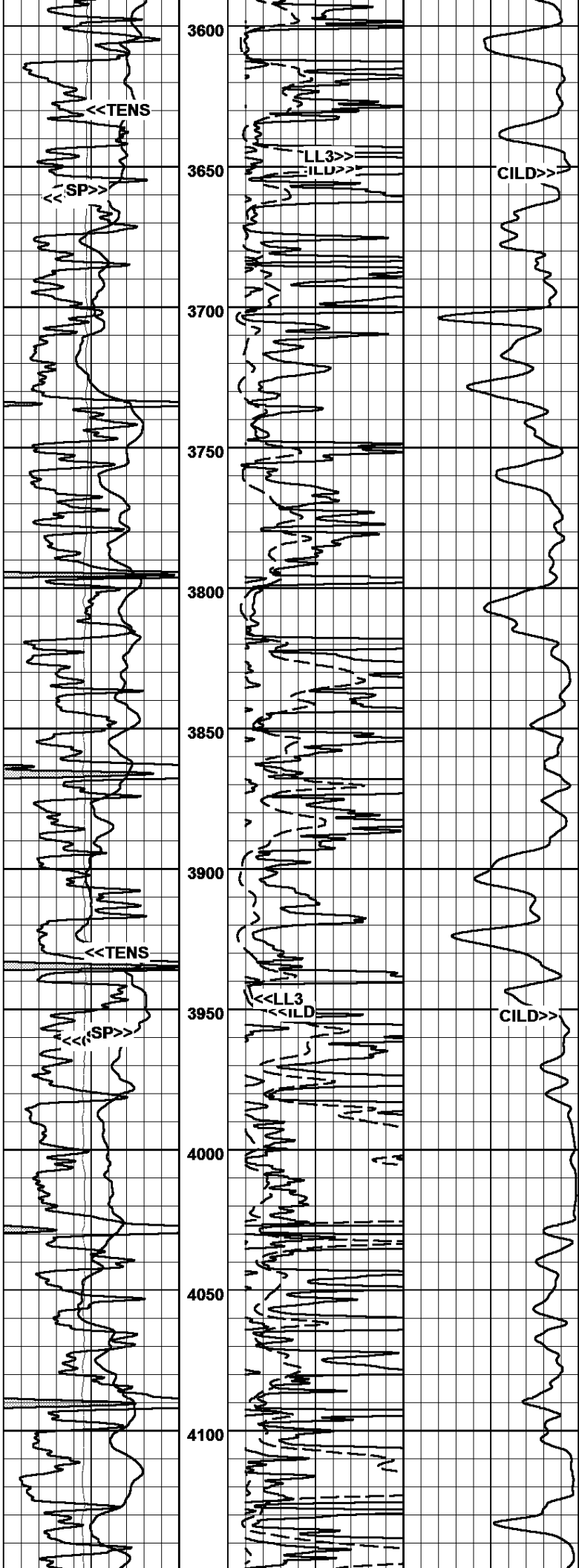


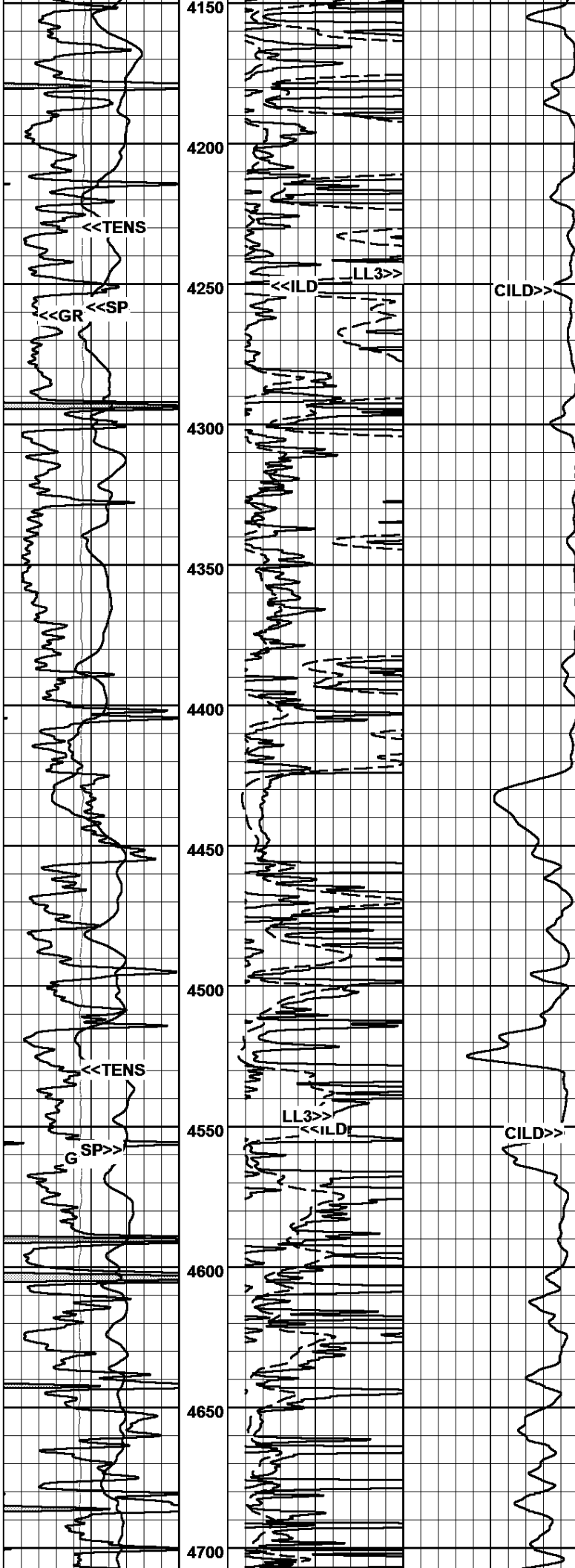


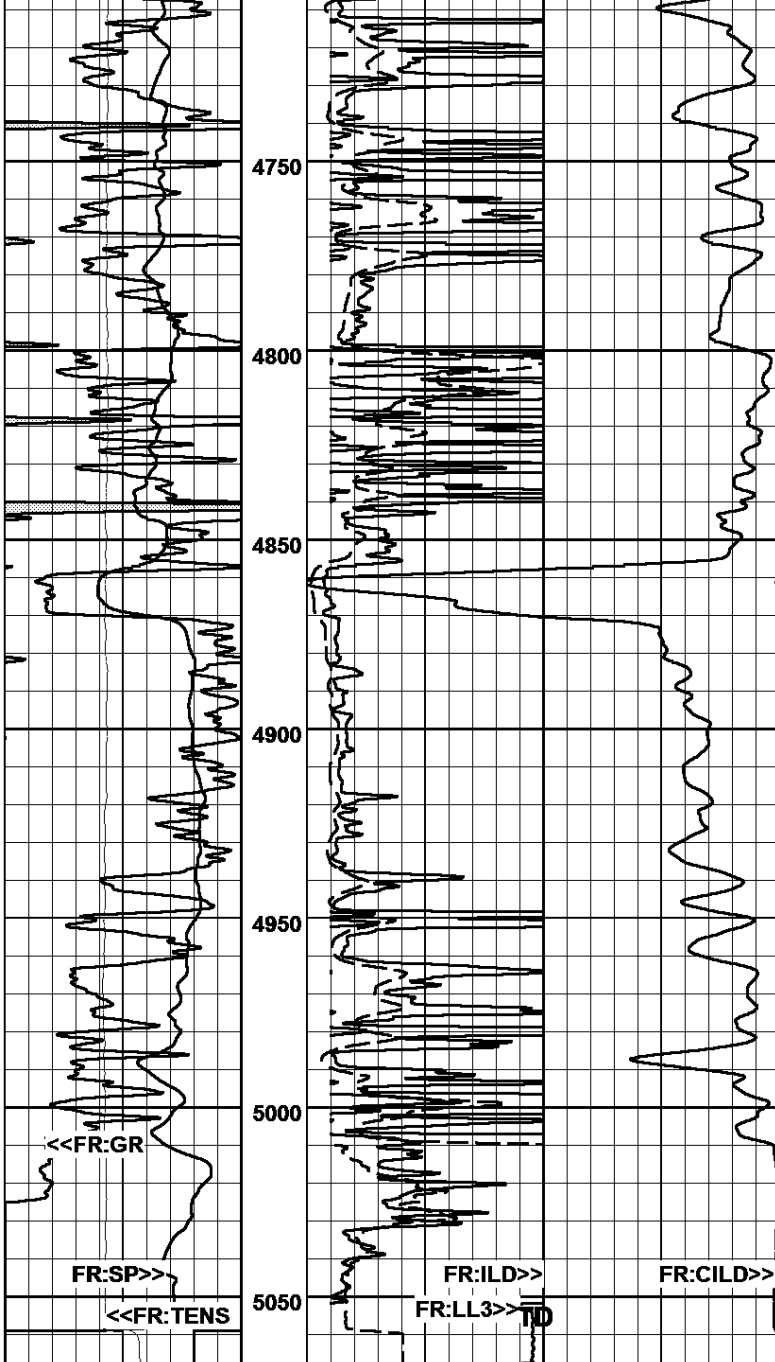












Gamma Ray (GR) 0. API 150.	Deep Induction (CILD) 1000. mmhos 0.	
Spontaneous Potential (SP) -160. mV 40.	Deep Induction (ILD) 0. ohmm 50.	
Tension (TENS) 5000. Lbs 0.	Laterolog (LL3) 0. ohmm 50.	

11/23/2014 MAIN PASS (2"/100Ft) Log UP - (VER 11.19)
 12:19:45 => Start Time Start Depth=> 5069.75 Feet