

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

RECON

DUAL INDUCTION
LATEROLOG - SP
GAMMA RAY

SEC	TWP	RGE	OTHER SERVICES:	
29	16S	13W	LDT	CNL
Location. 940' FNL & 1210' FWL		NE SE NW NW	XY CALIPER	MEL SONIC
SURF. SAME	API#	15-009-26117-00-00	ELEVATIONS	
Permanent Datum	Ground Level	Elev	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.
Casing Depth RECON	8 5/8	in.
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 Neglegence 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.

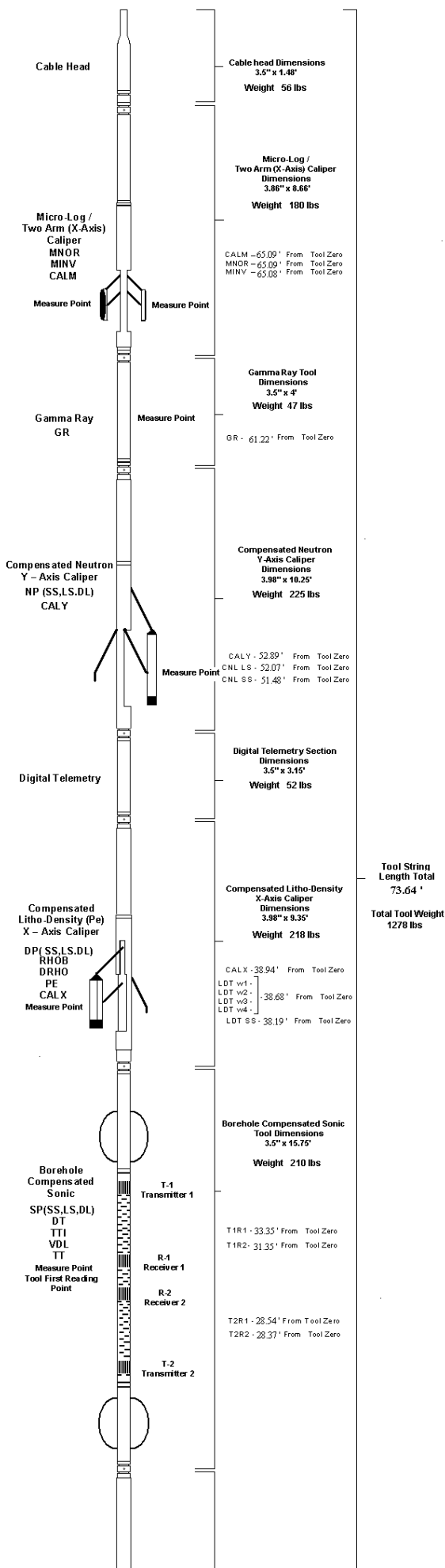
CHLORIDES: 7500 mg/l
LCM: 0 lb/bbl

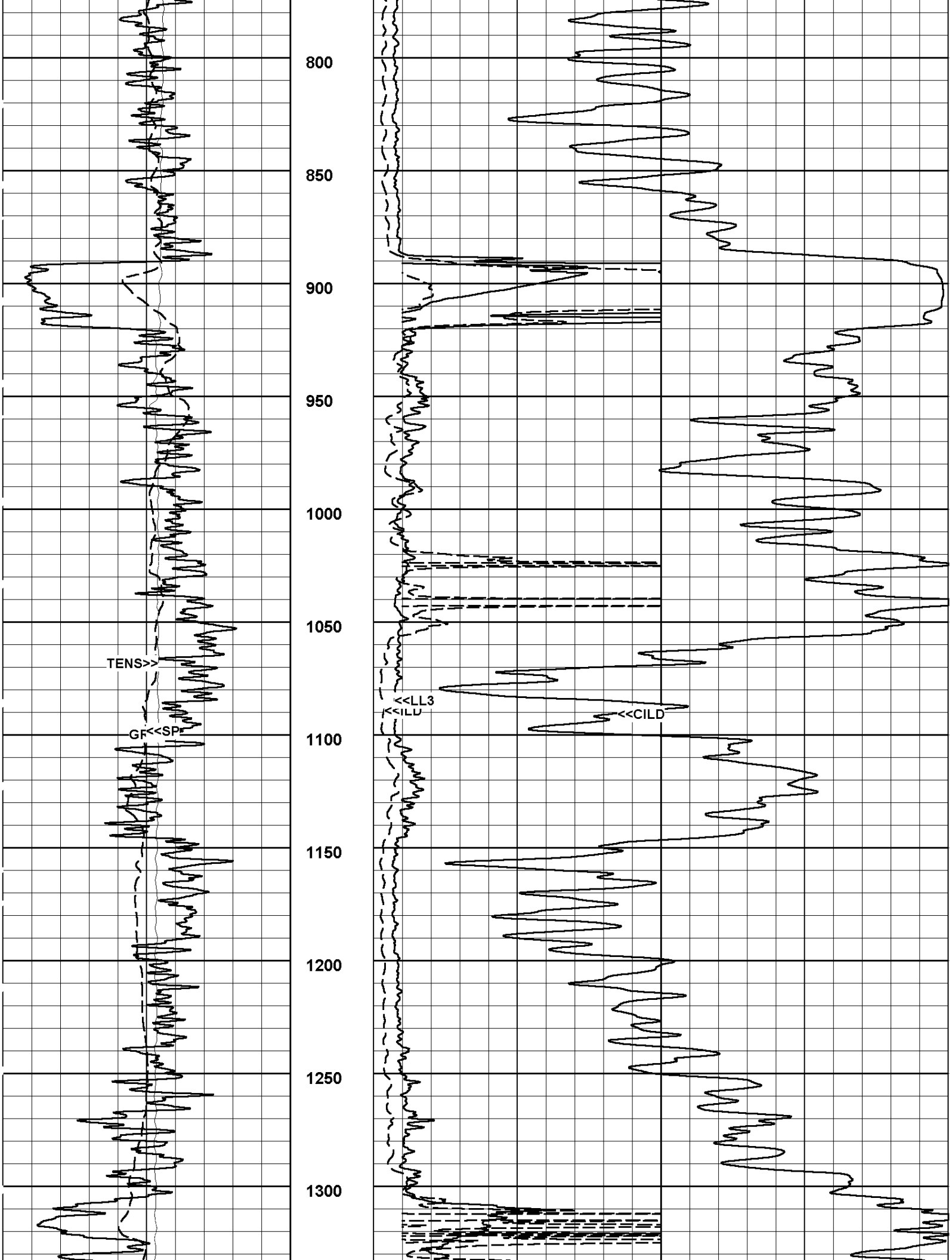
THANK YOU FOR USING RECON PETROTECHNOLOGIES LTD.

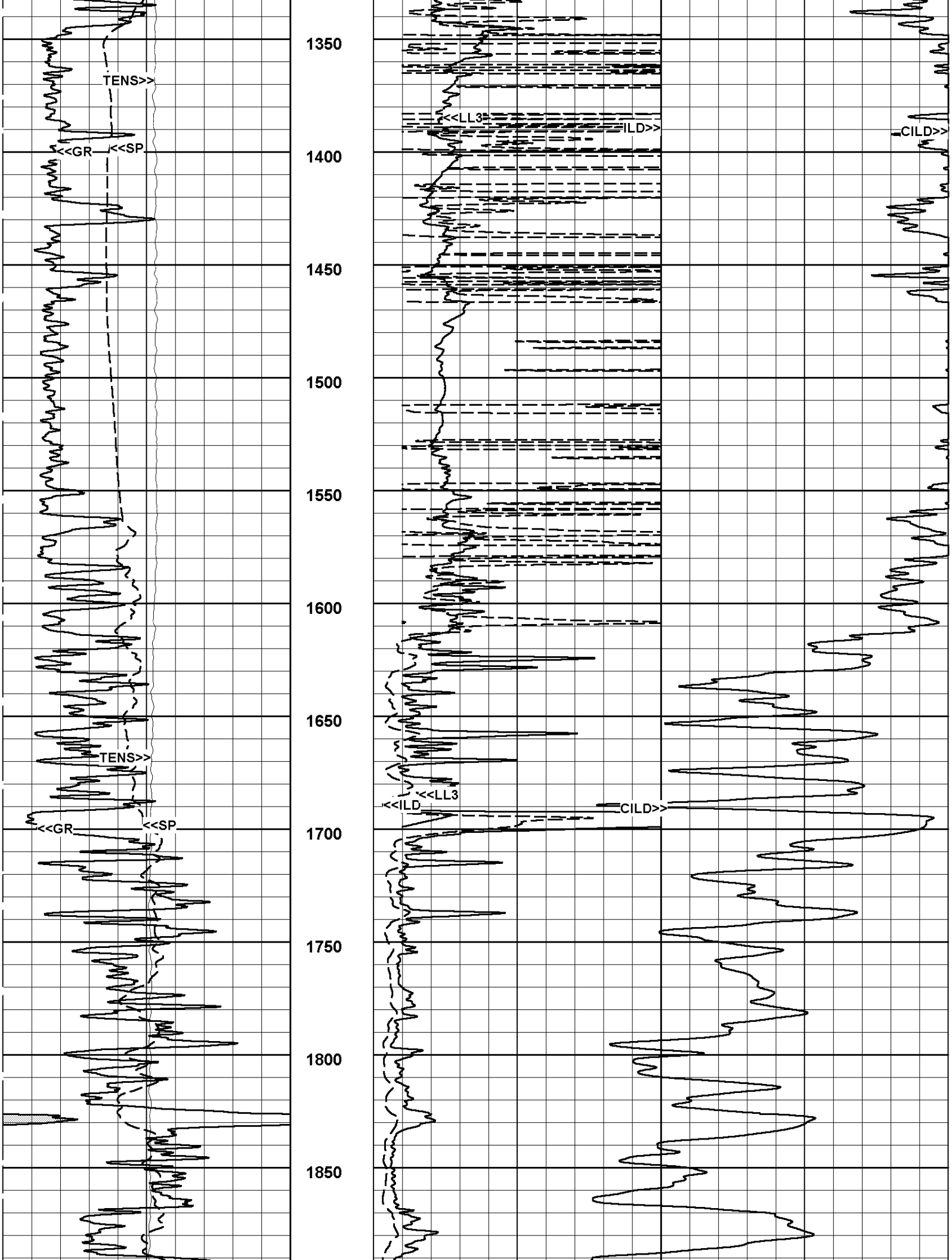
AHV CALCULATED ON 5.5" PROD. CASING

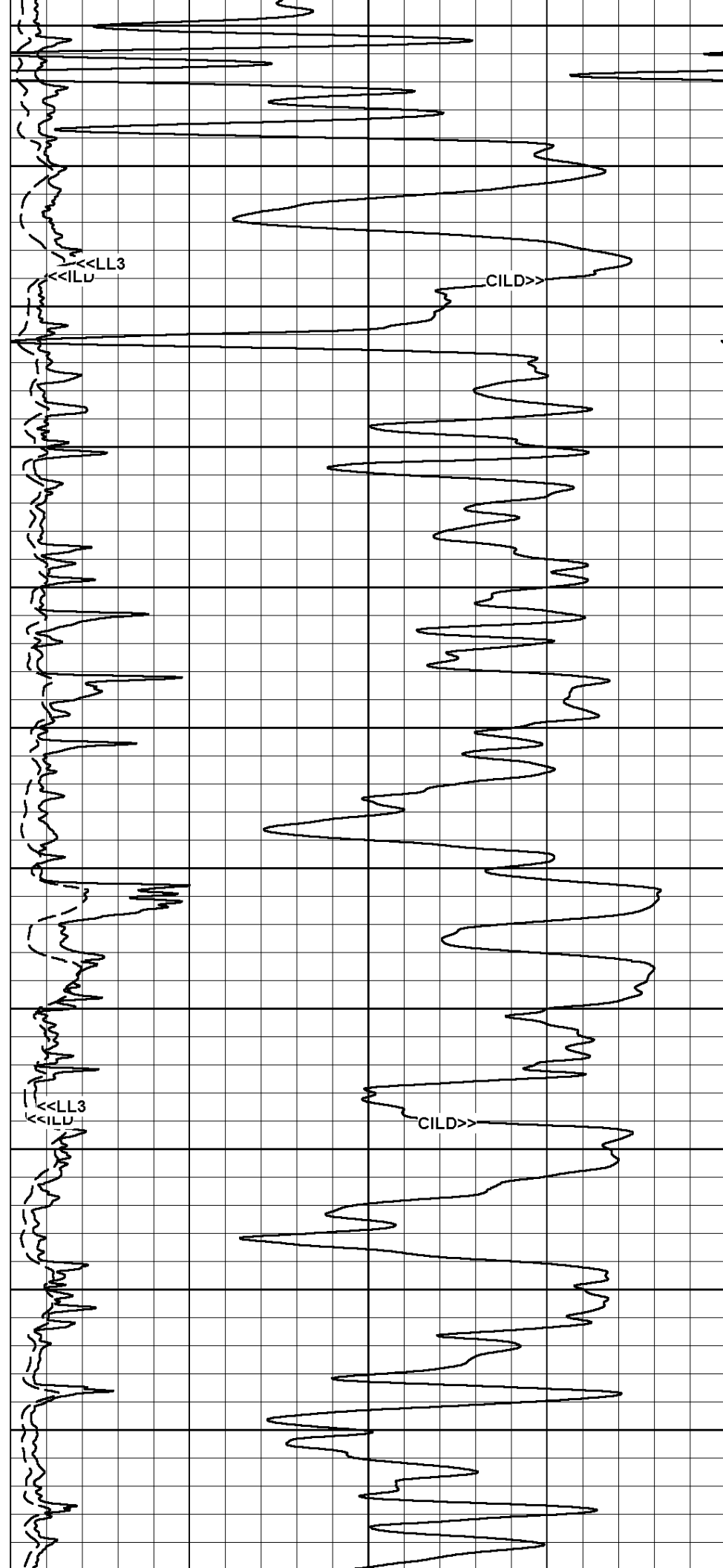
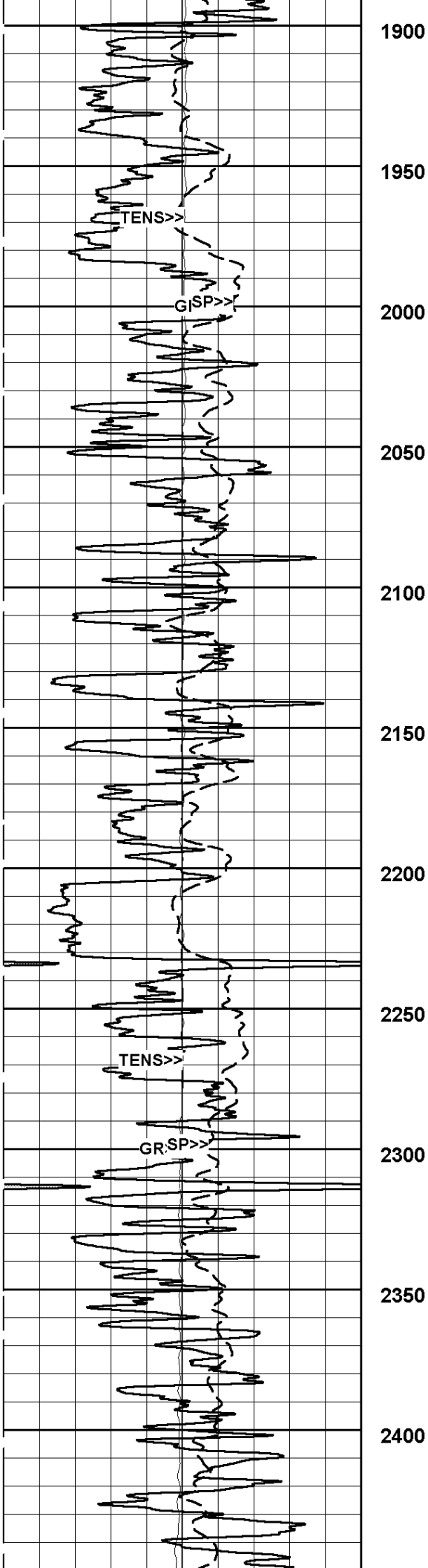
CREW: C. WILKES

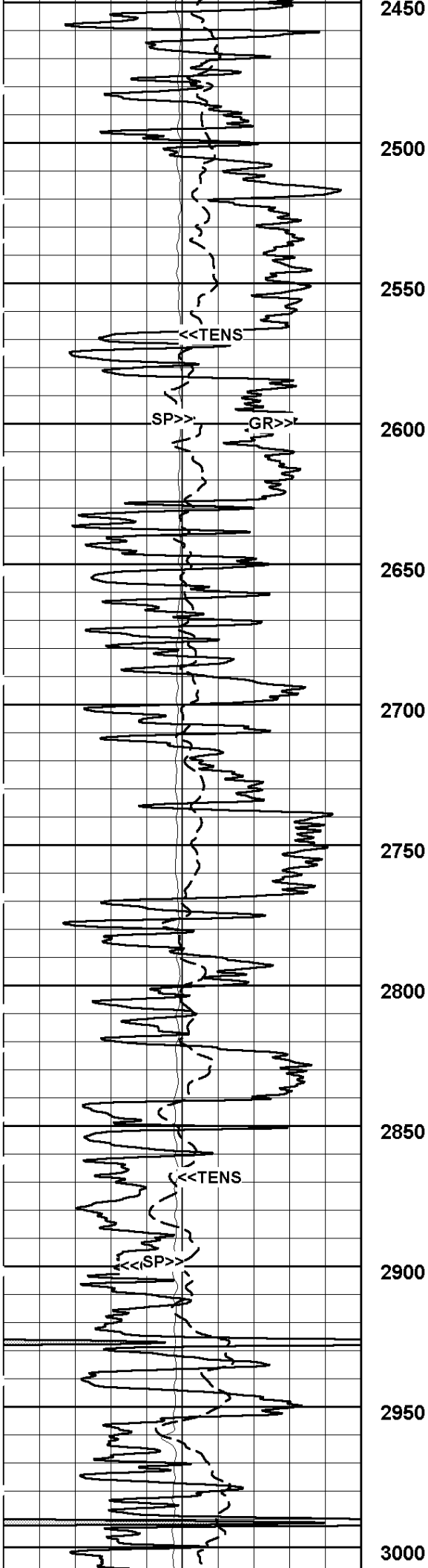
DUAL INDUCTION - SP / BHC SONIC /
GAMMA RAY / LITHO-DENSITY / X-CALIPER
COMPENSATED NEUTRON / Y-CALIPER
MICRO-LOG / M-CALIPER



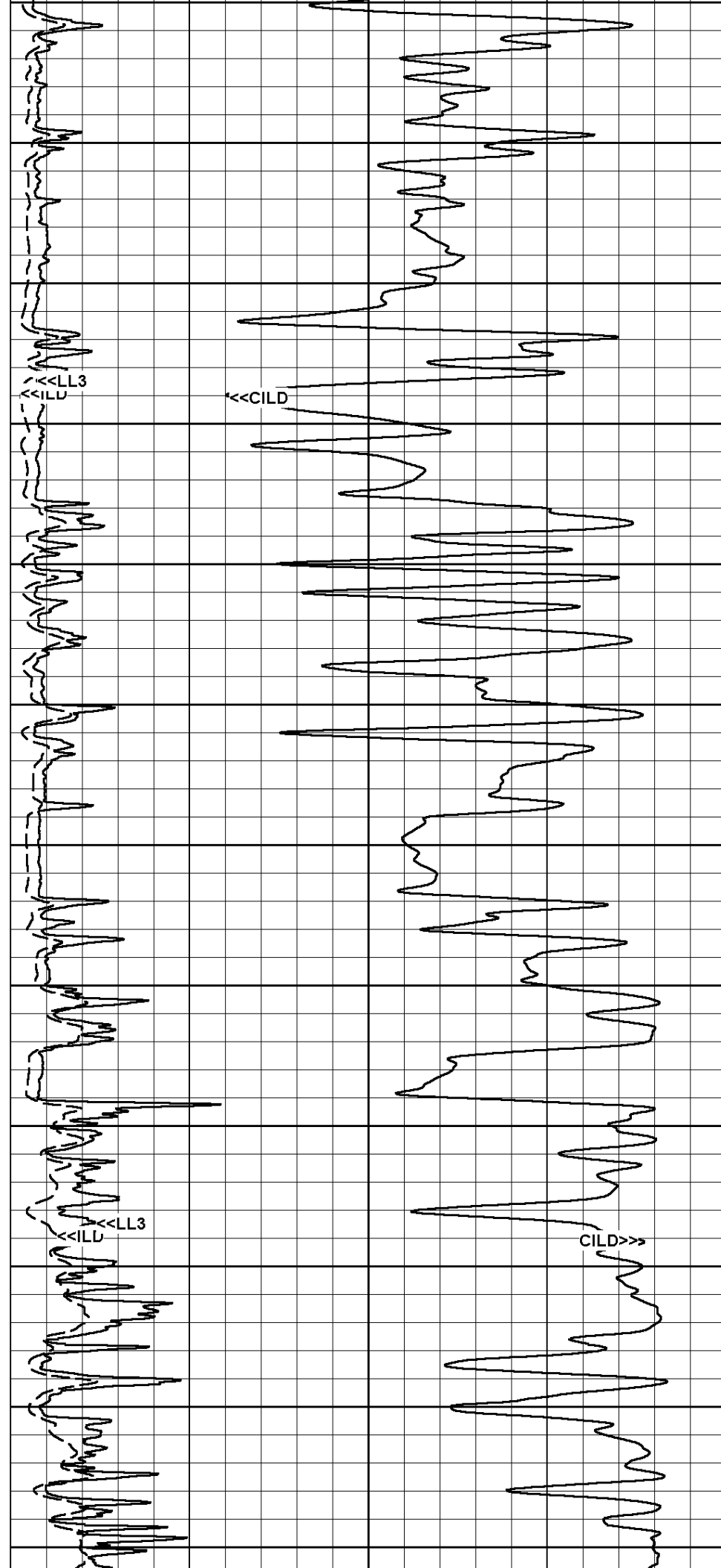


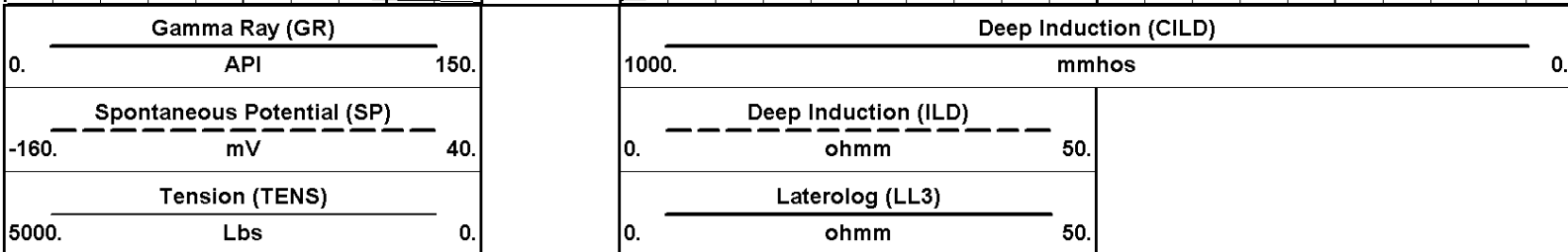
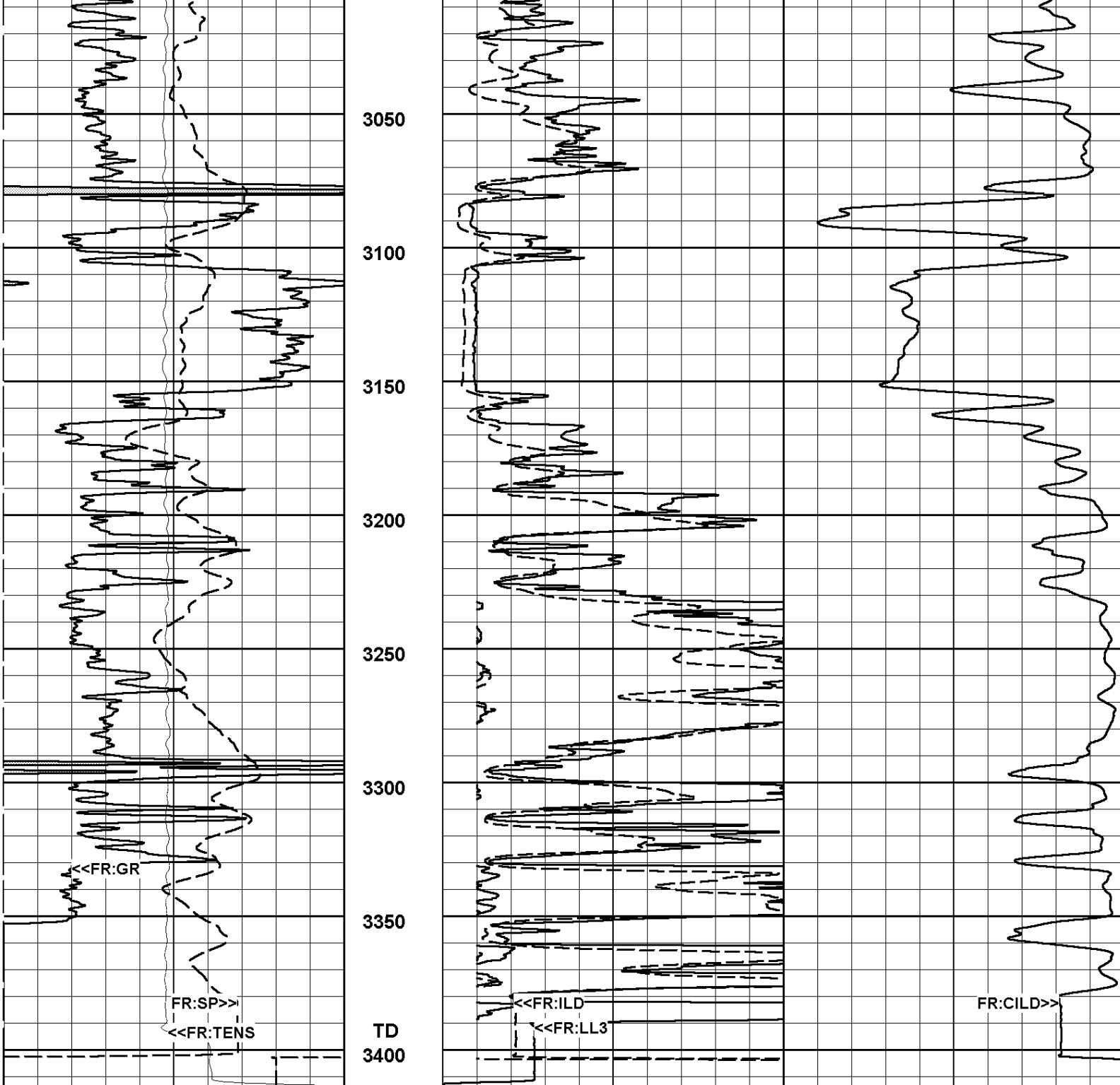






2450
2500
2550
2600
2650
2700
2750
2800
2850
2900
2950
3000





09/14/2015
01:50:12 => Start Time

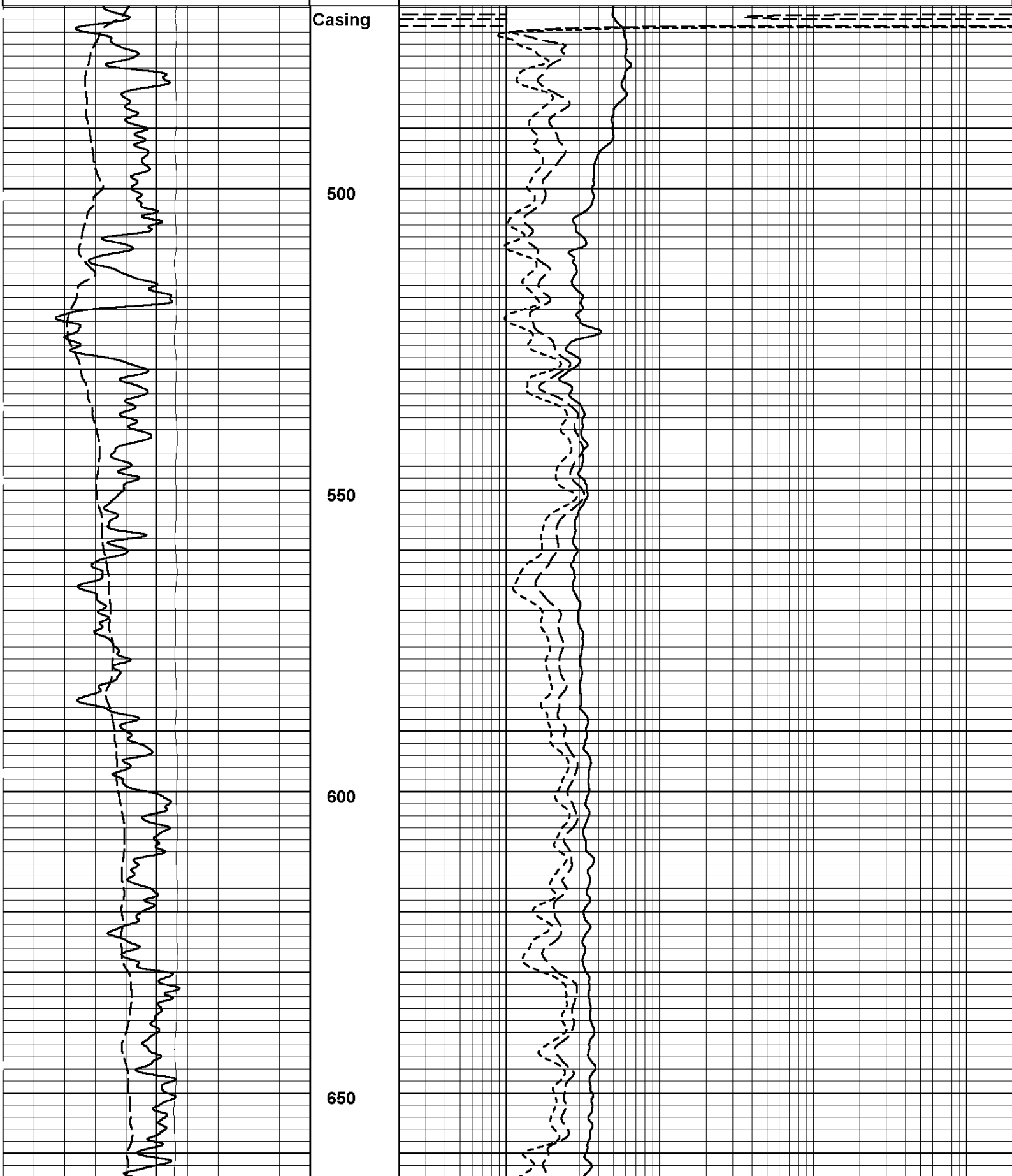
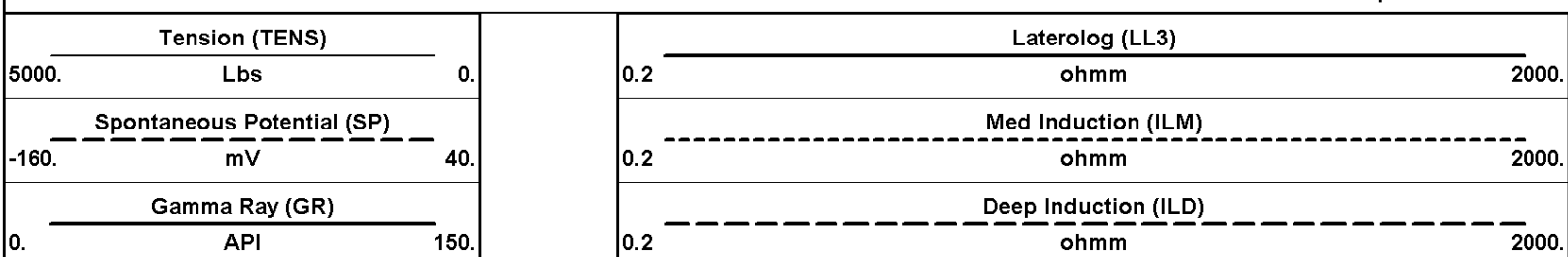
MAIN PASS (2"/100Ft)

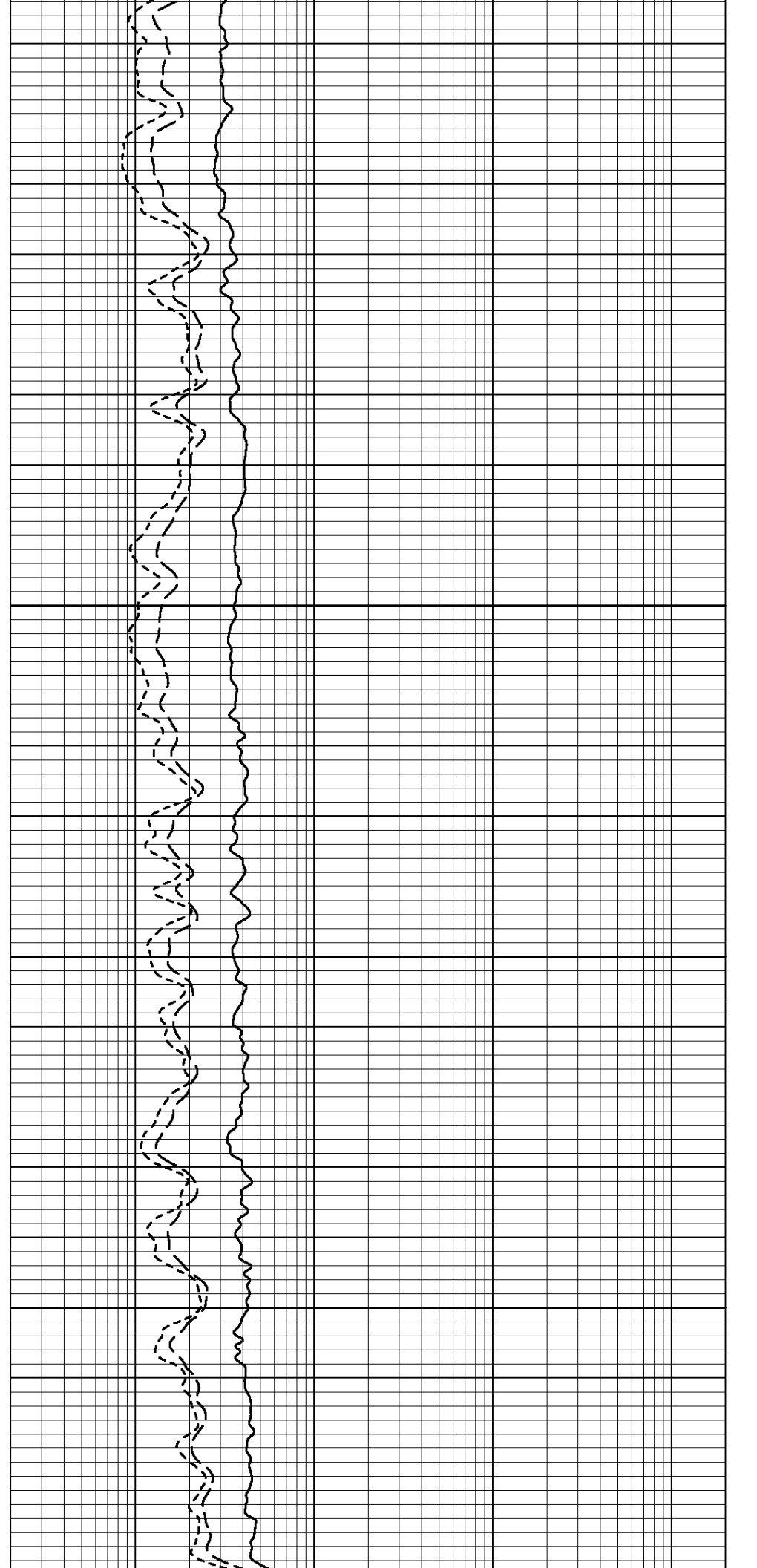
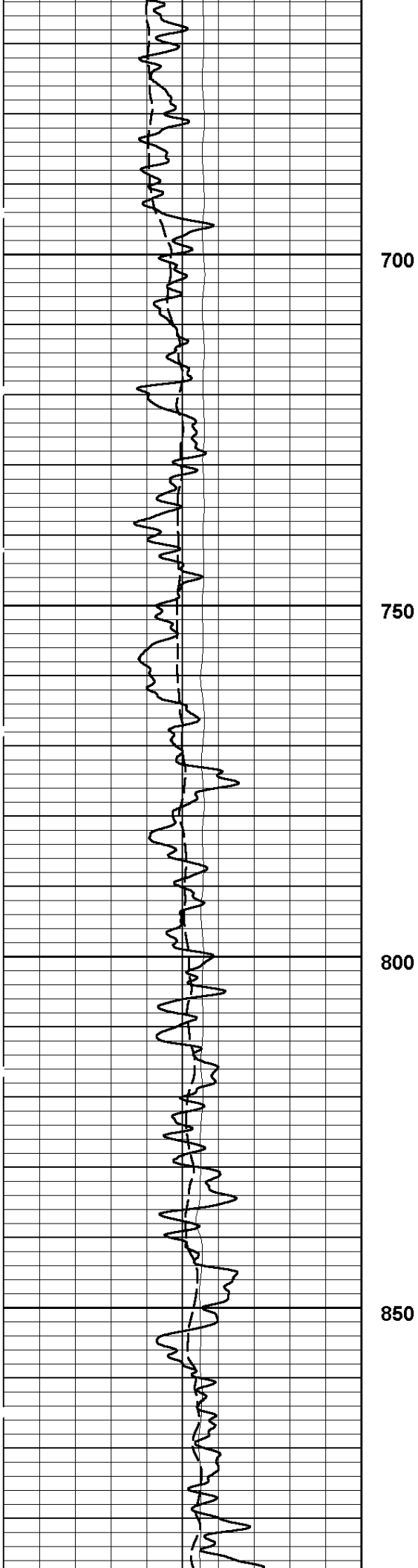
Log UP - (VER 11.27)
Start Depth=> 3413.75 Feet

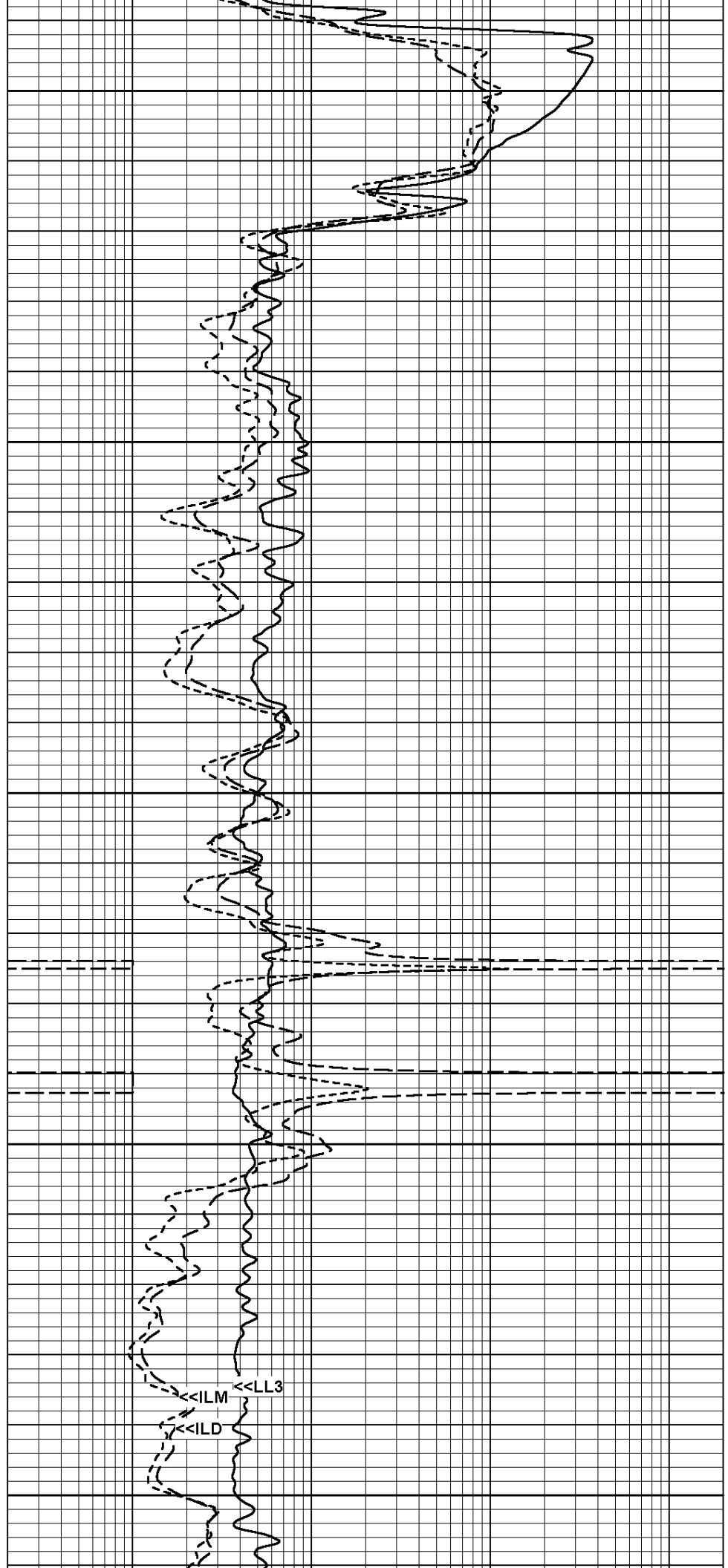
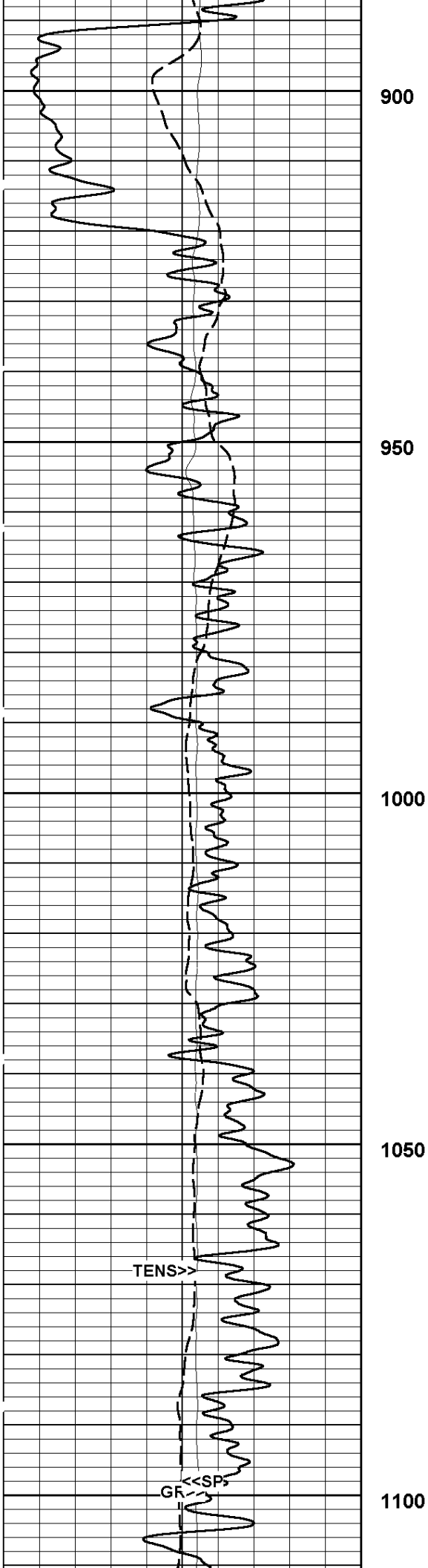
09/14/2015
03:05:01 => End Time

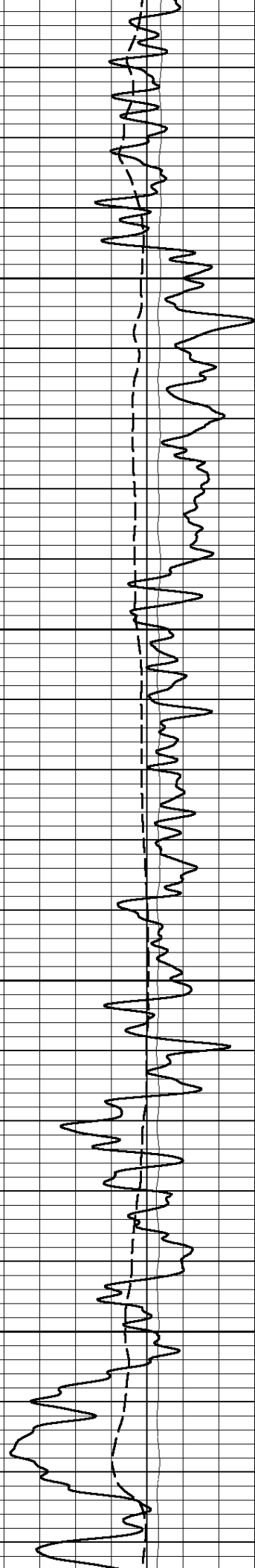
MAIN PASS (5"/100Ft)

Log UP - (VER 11.27)
End Depth=> 469.90 Feet







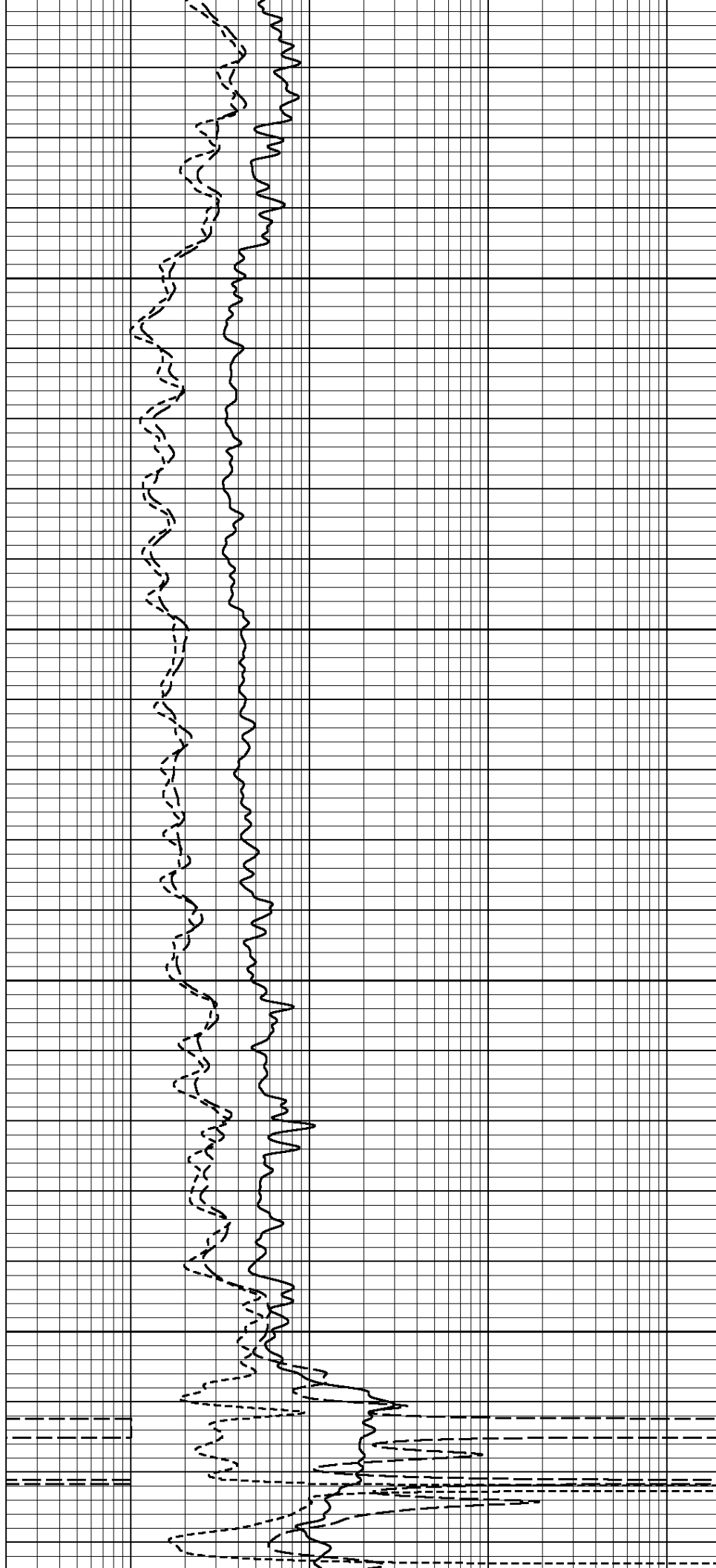


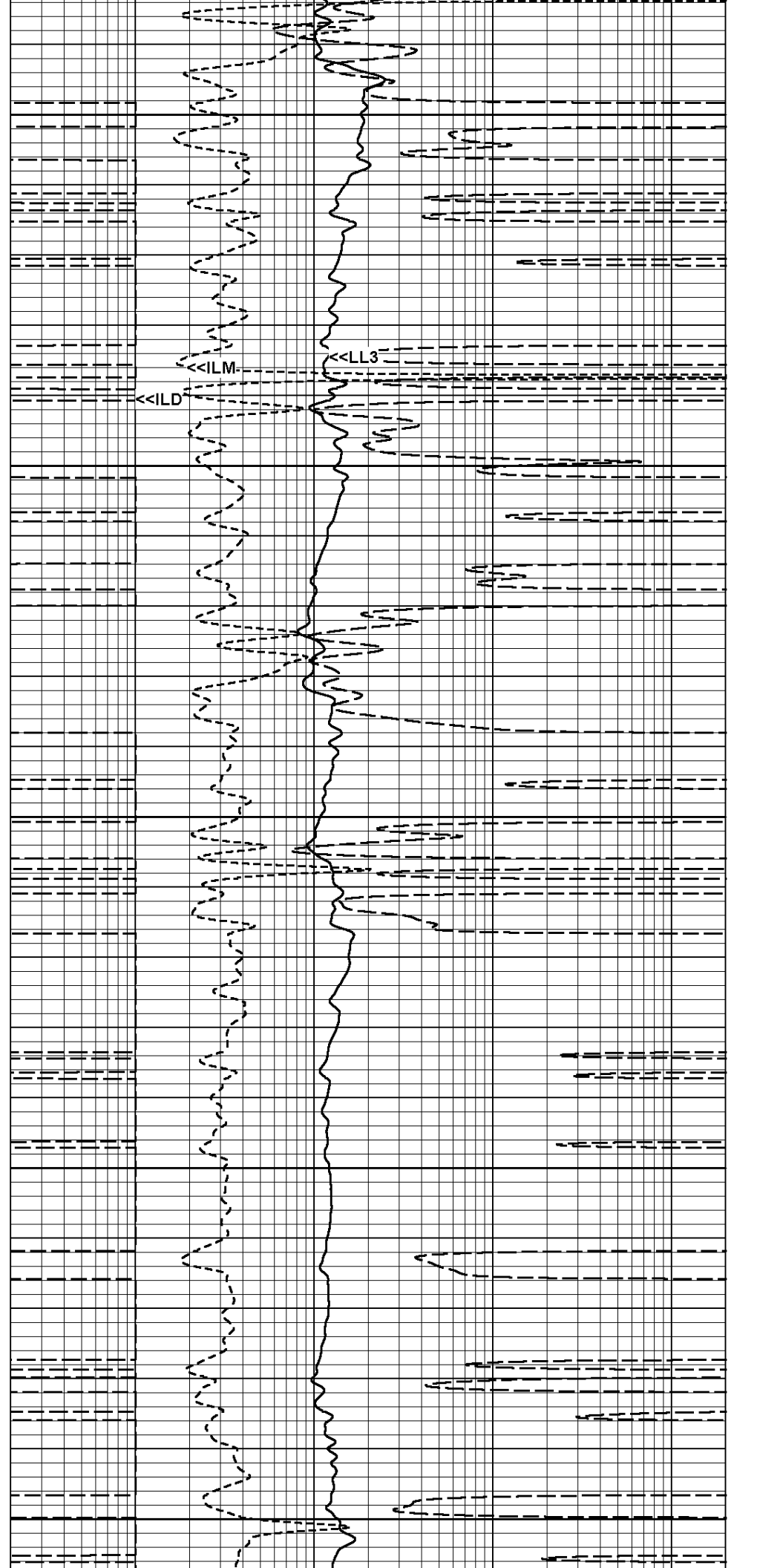
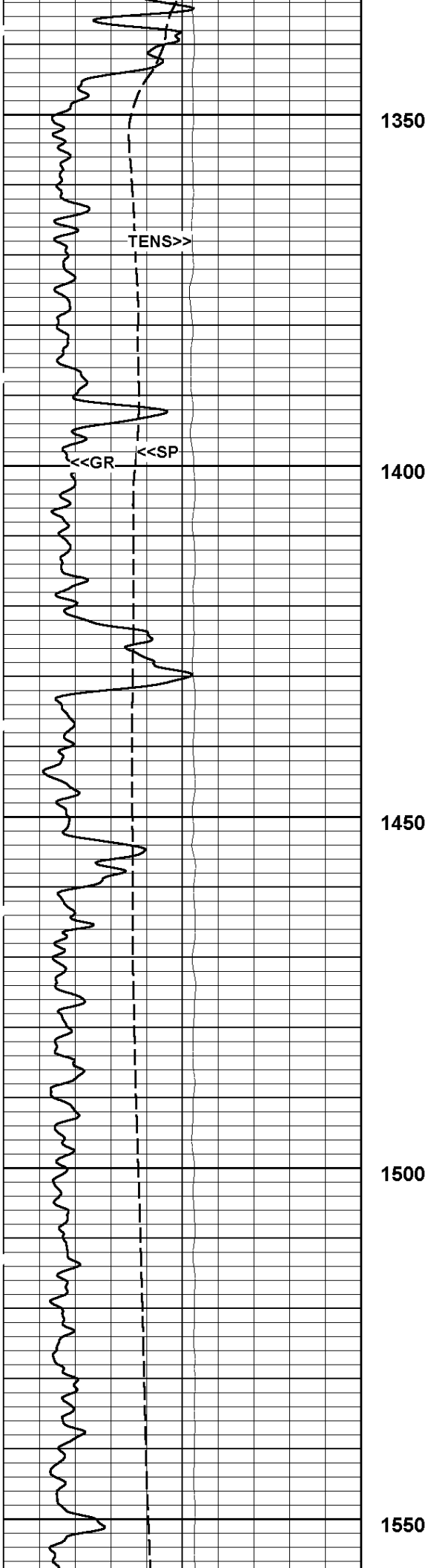
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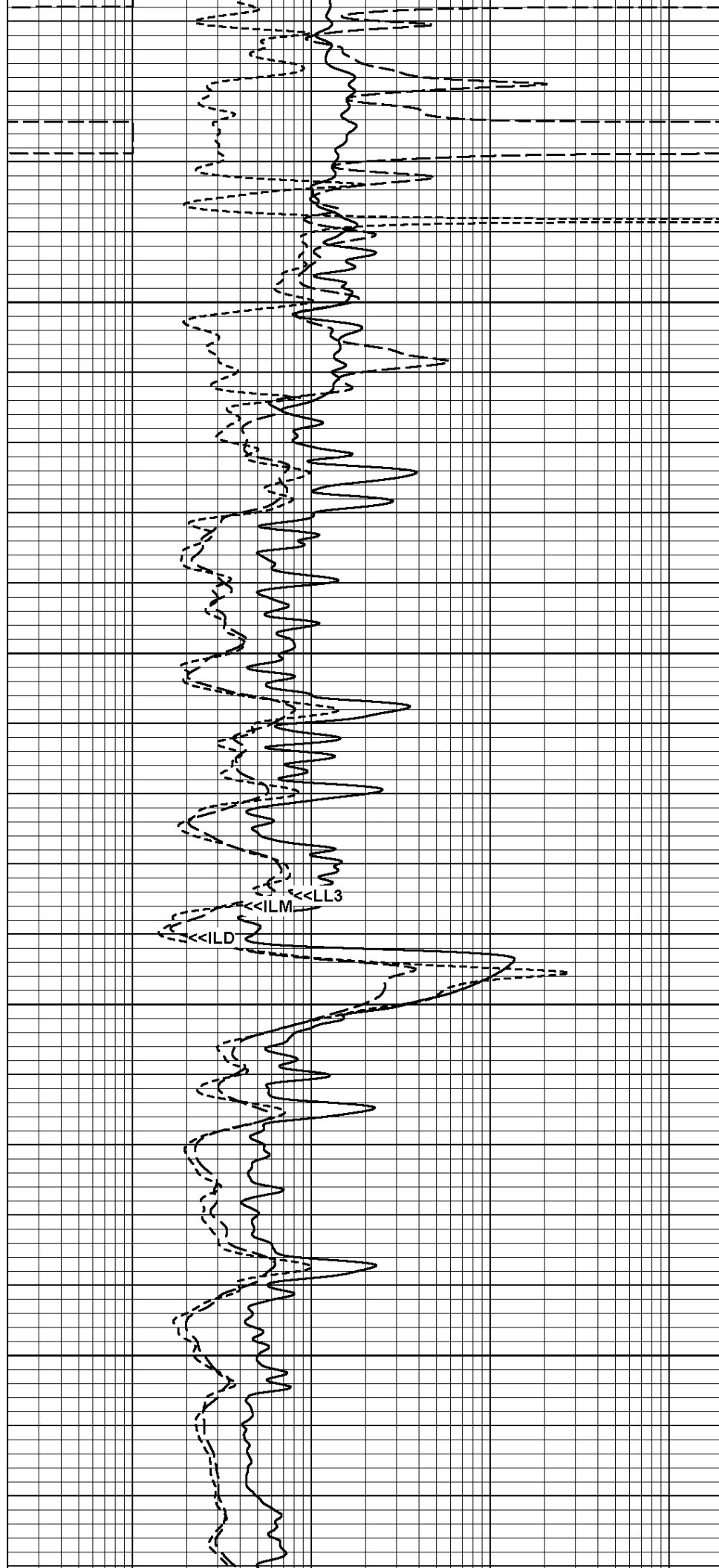
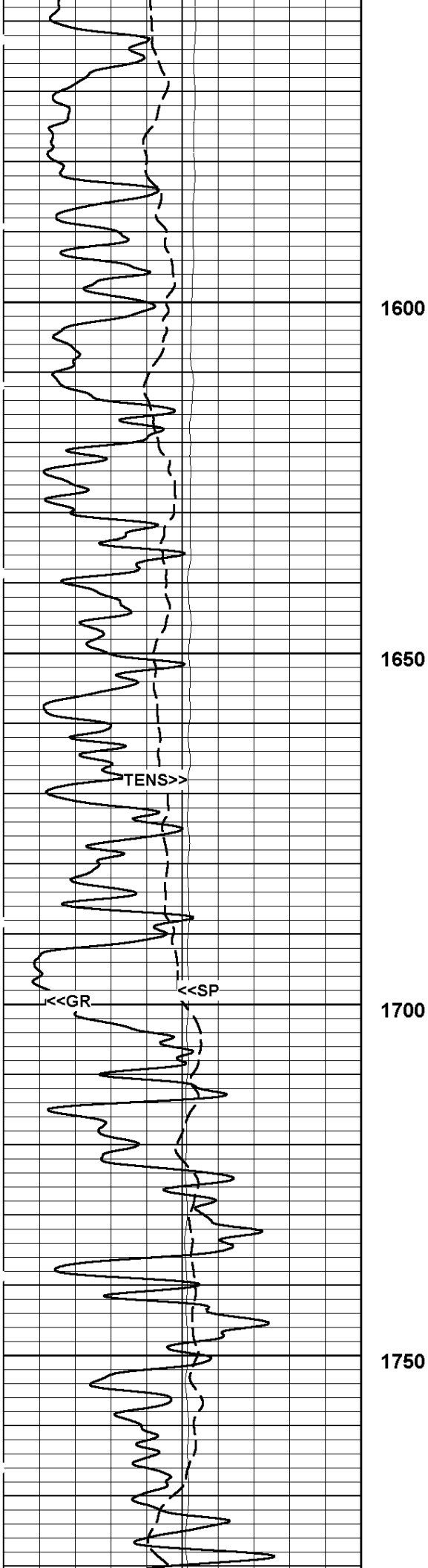
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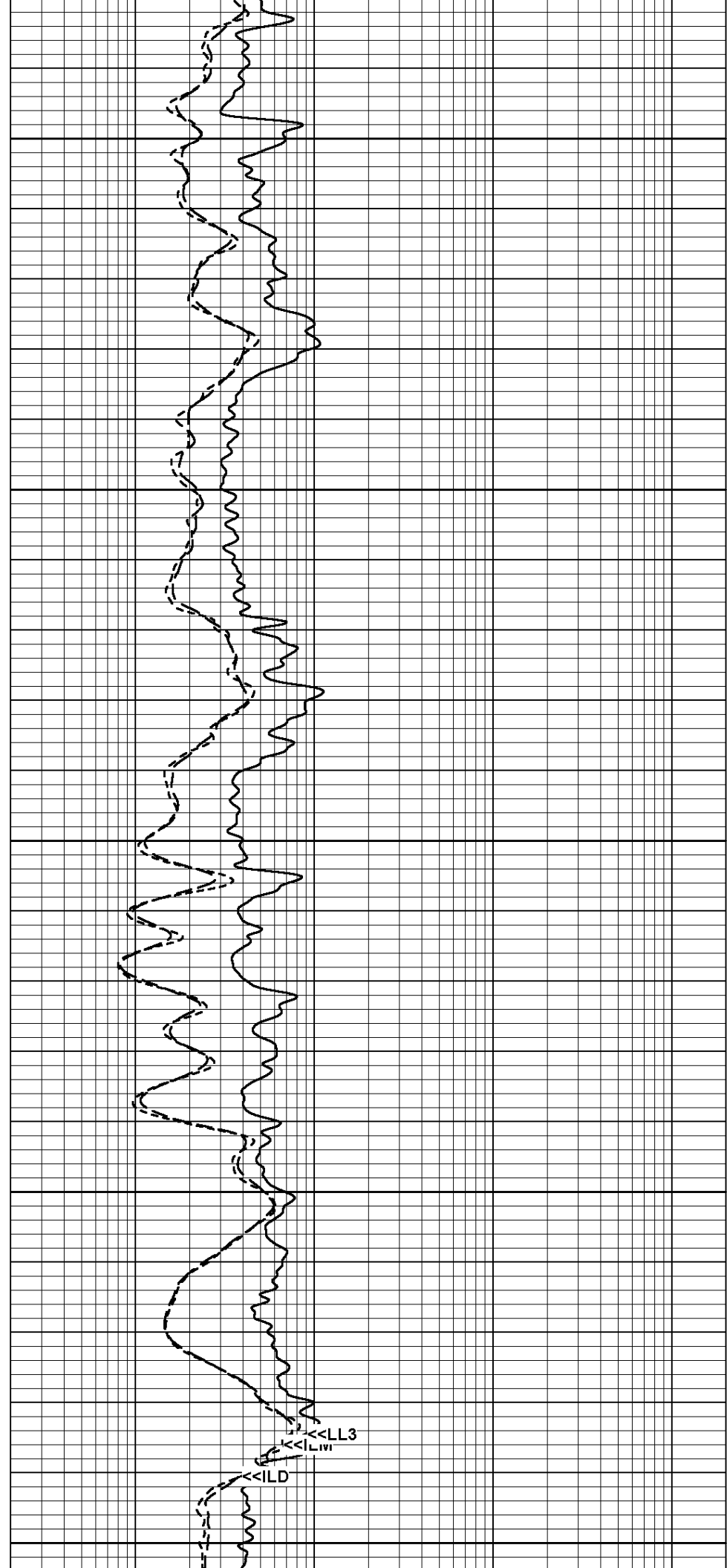
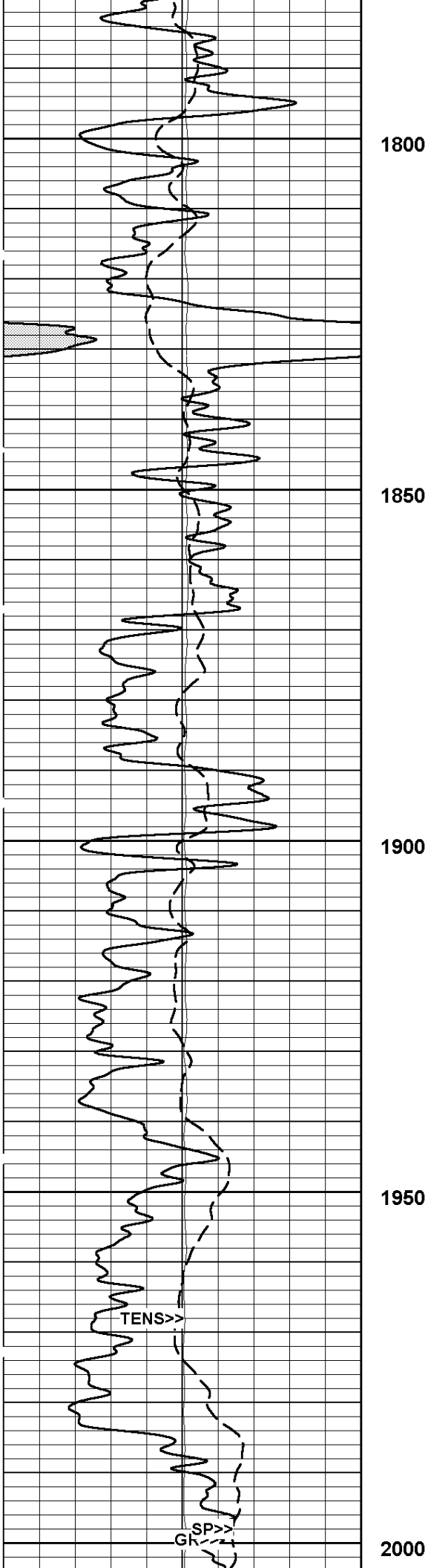
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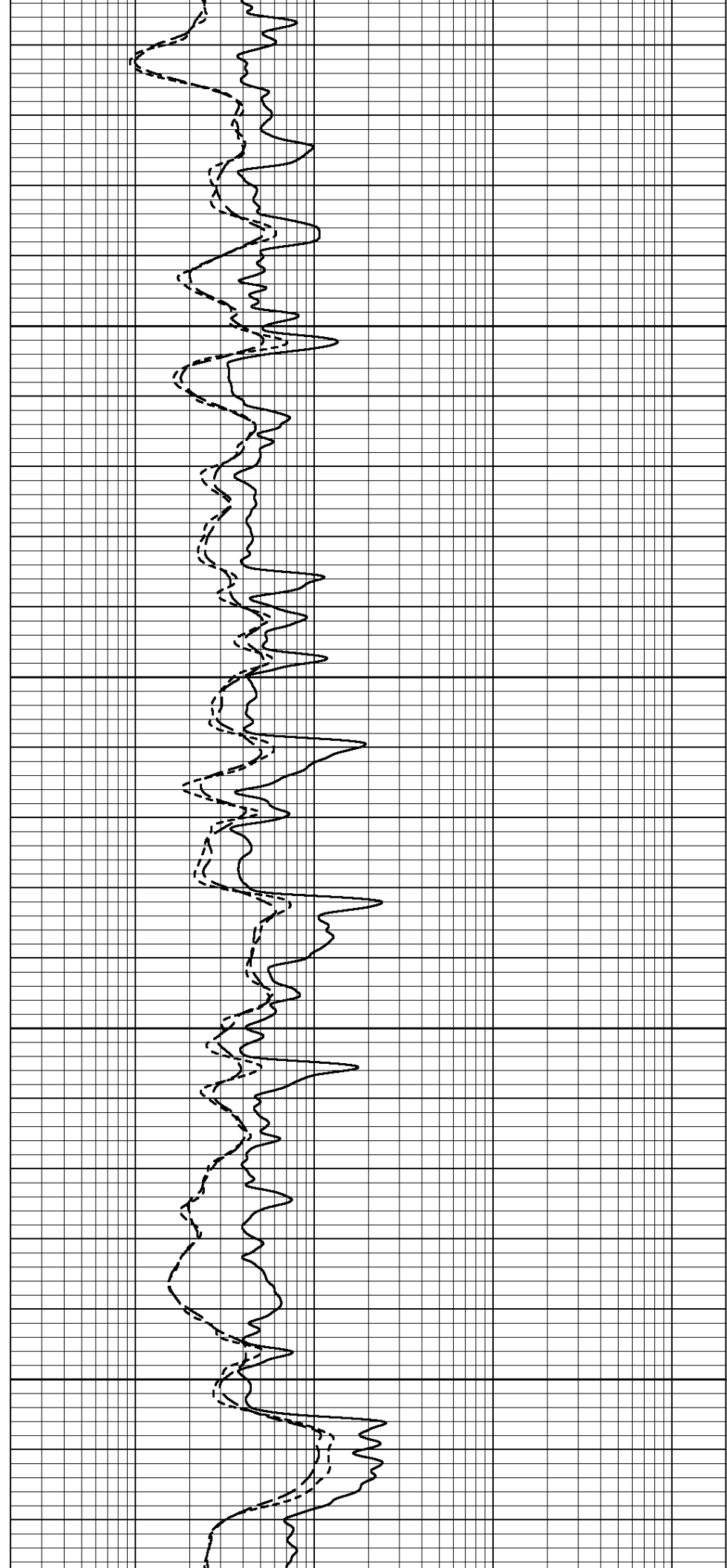
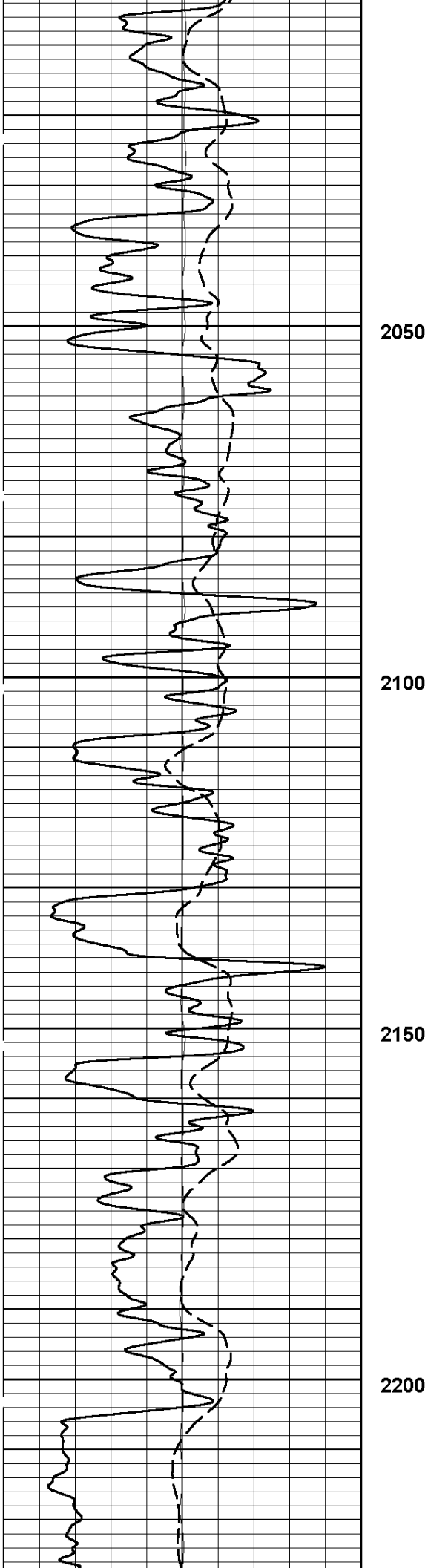
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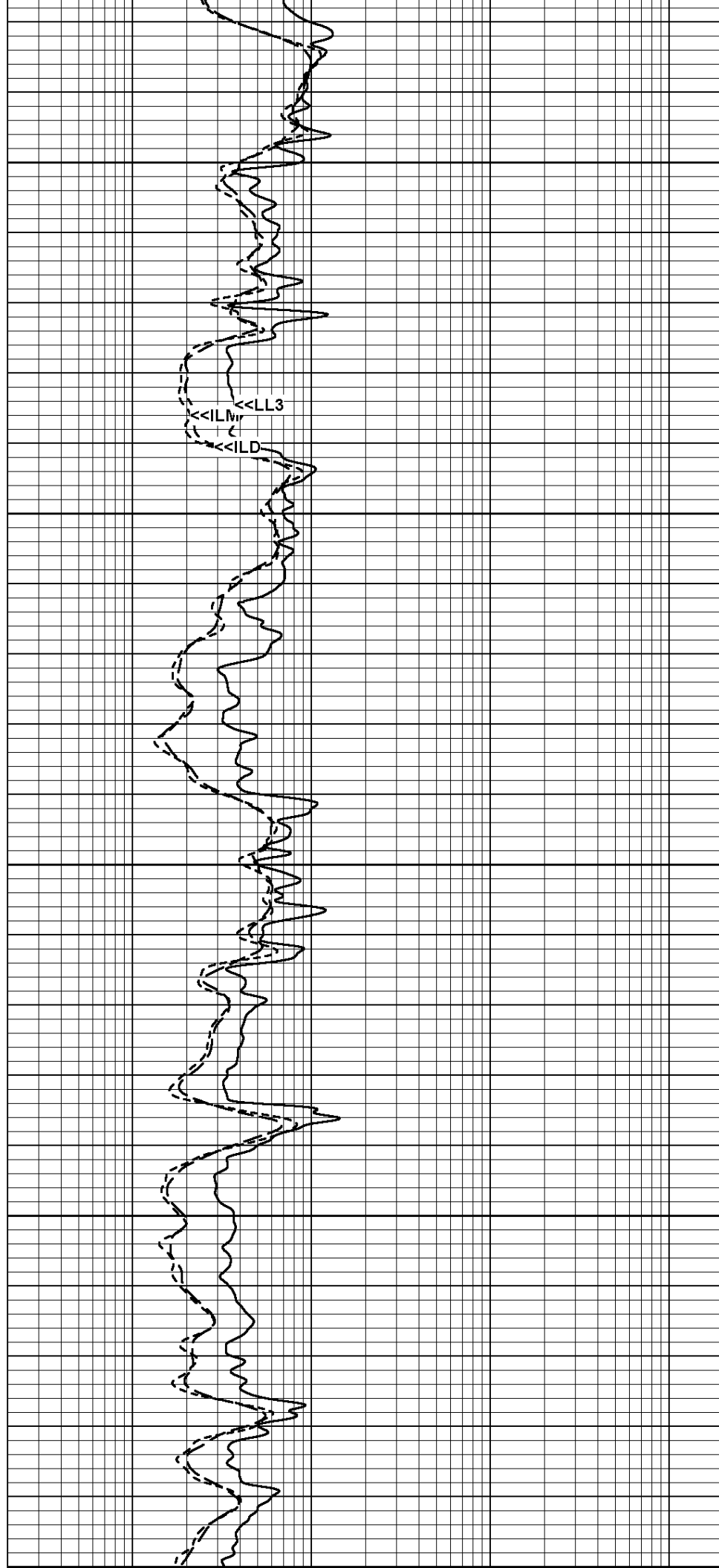
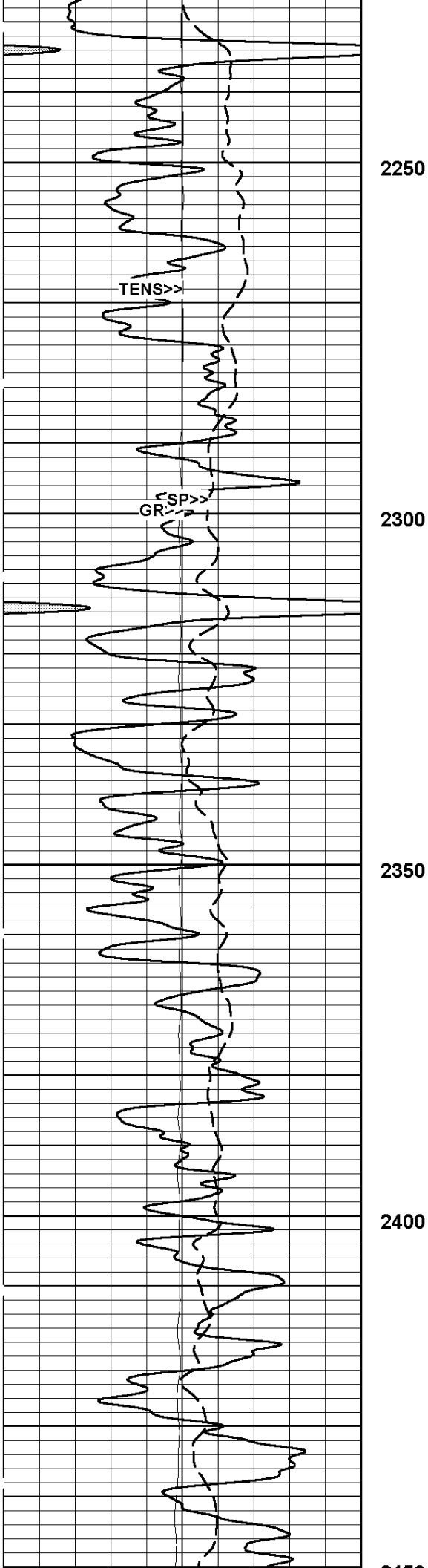


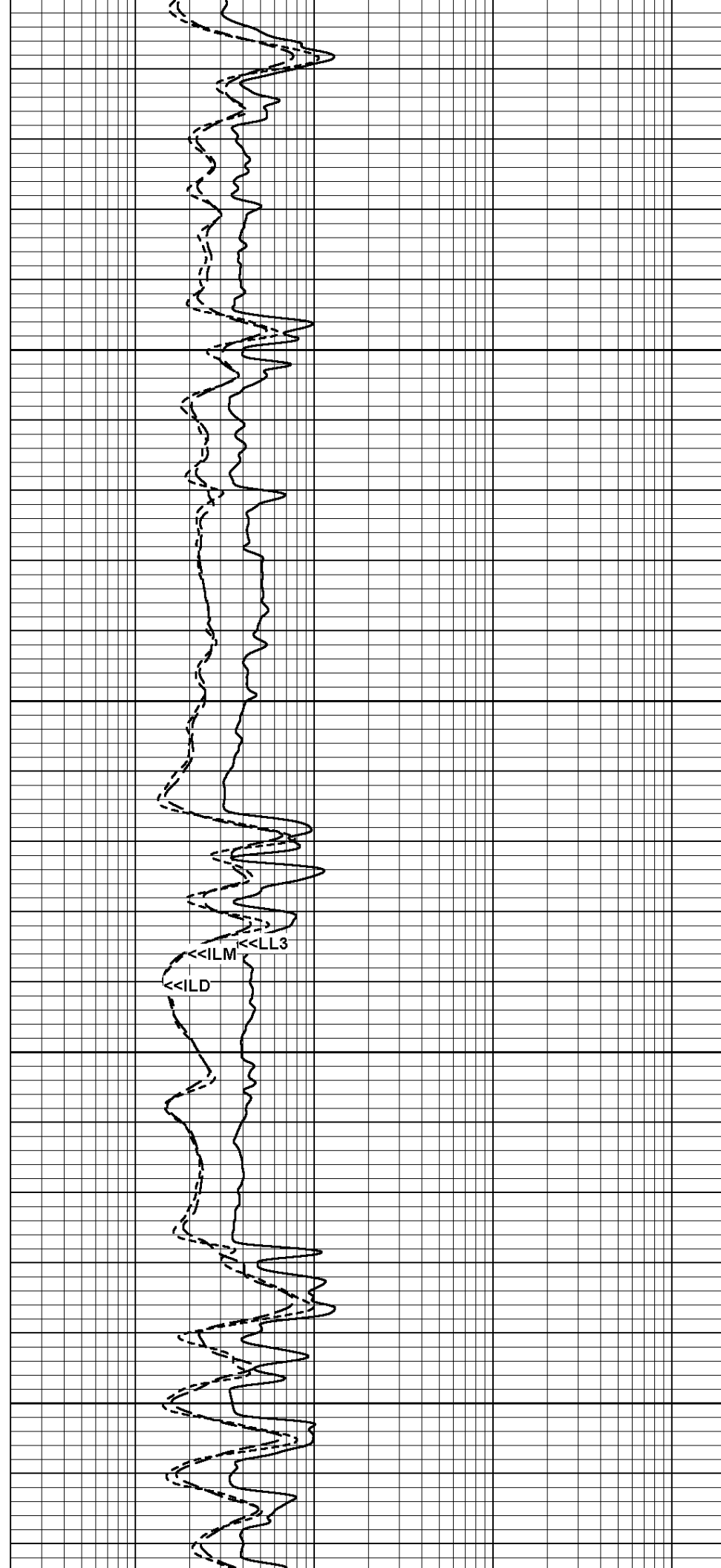
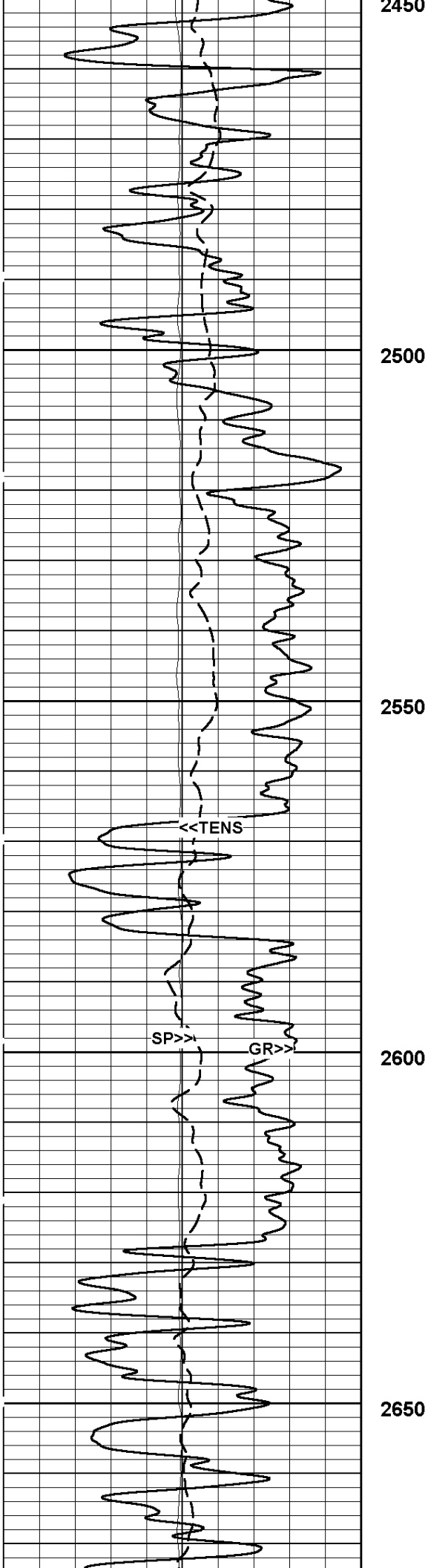


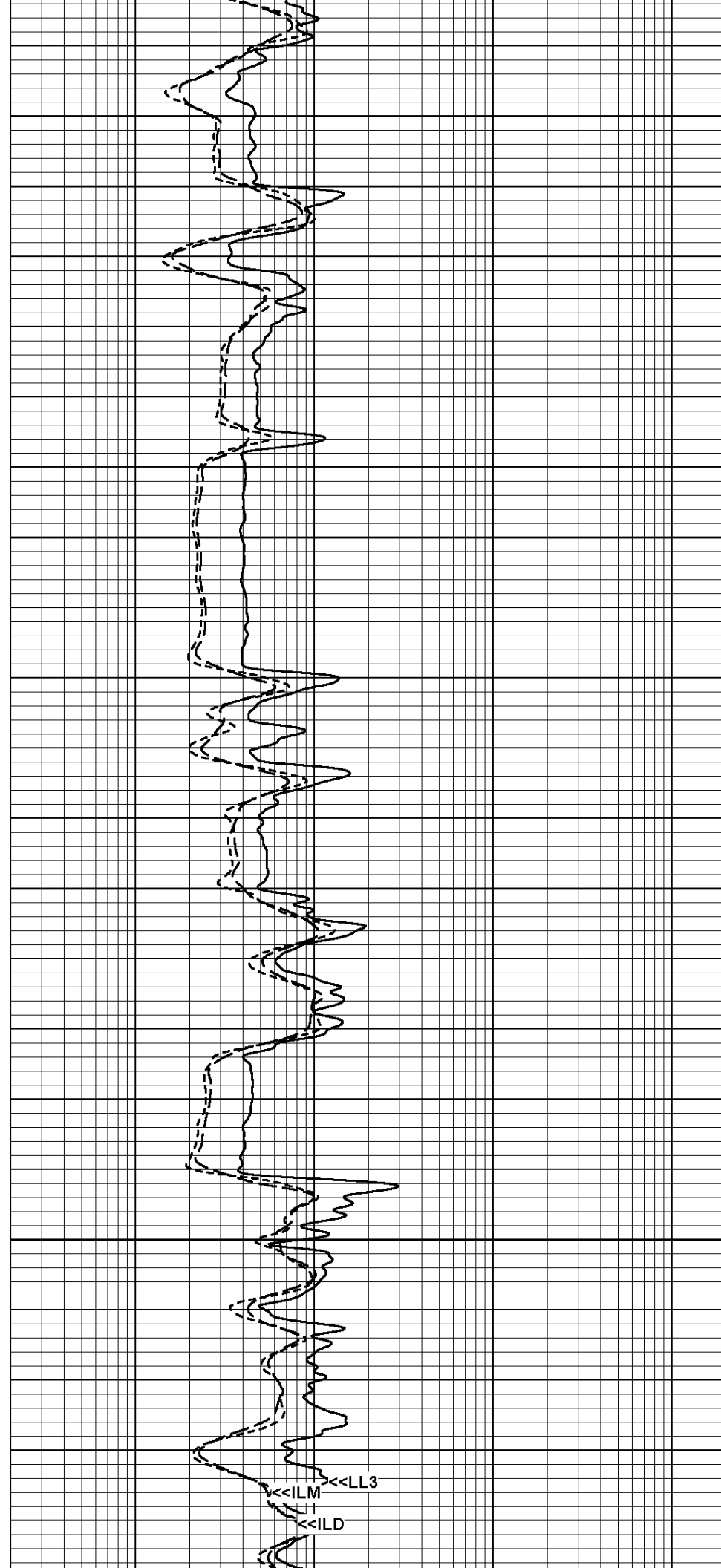
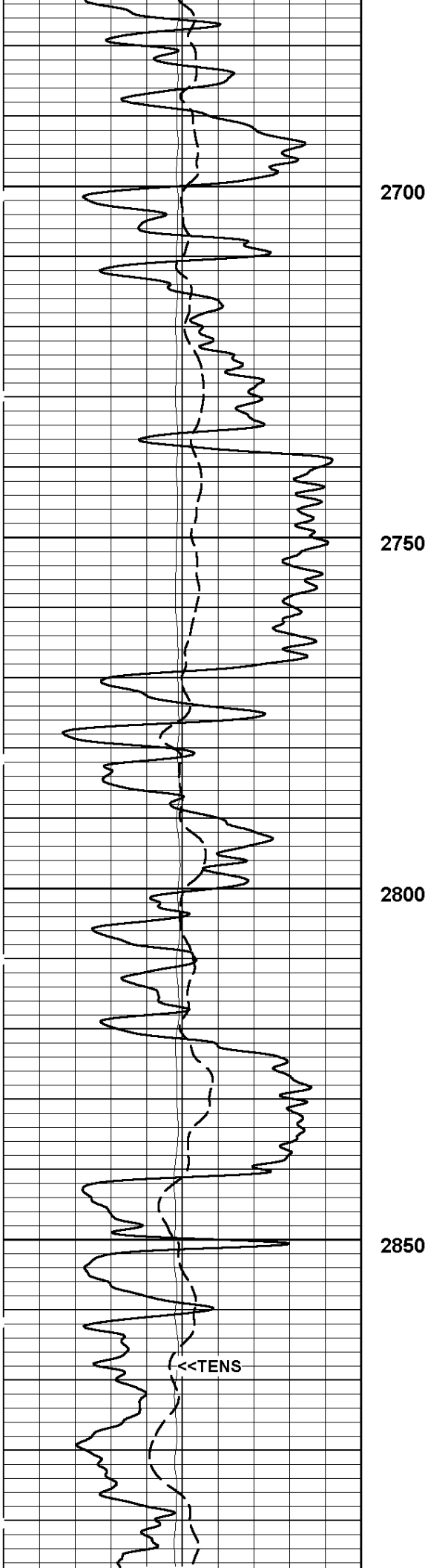


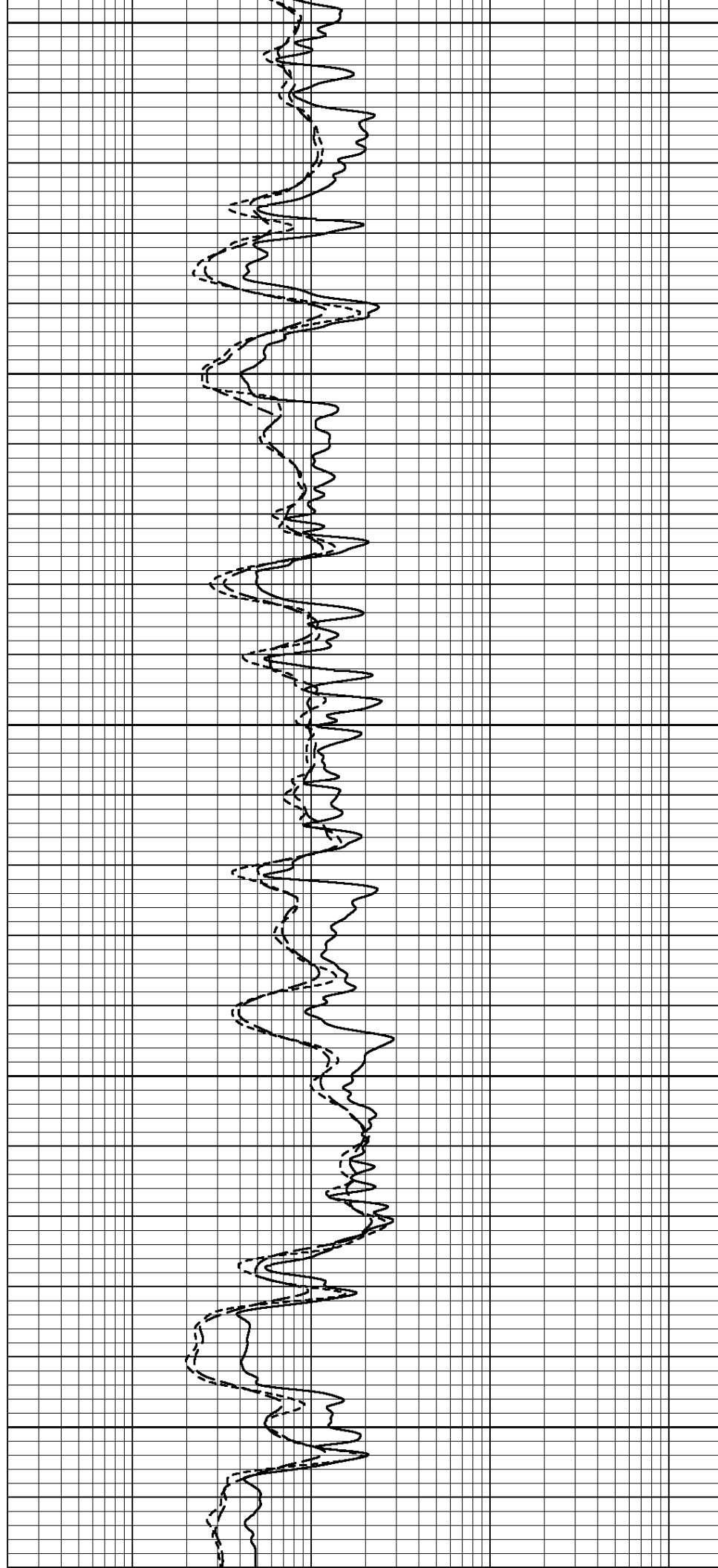
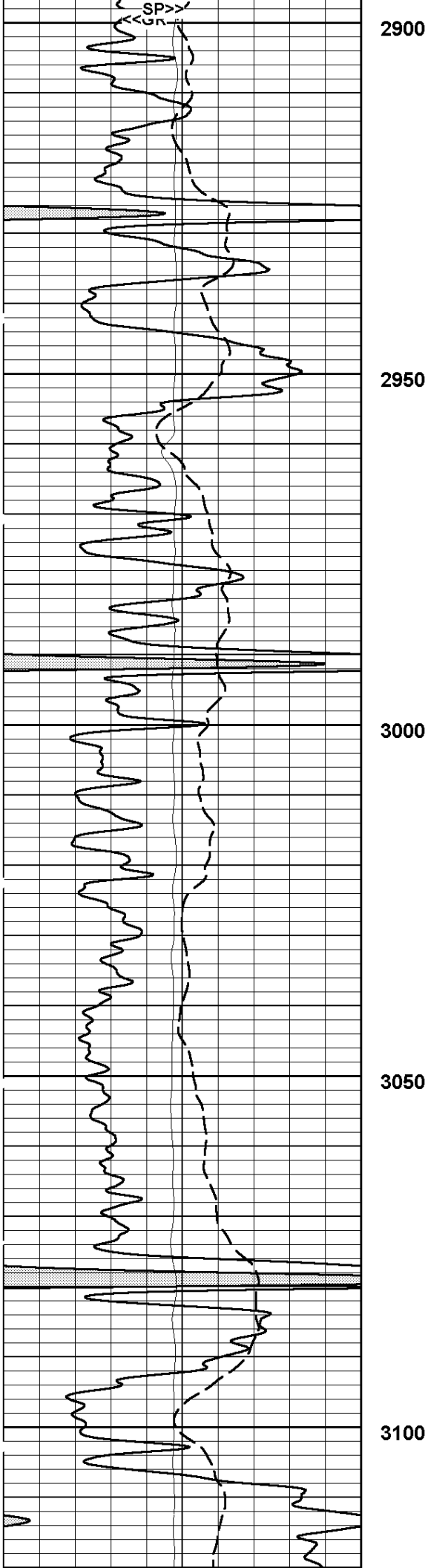


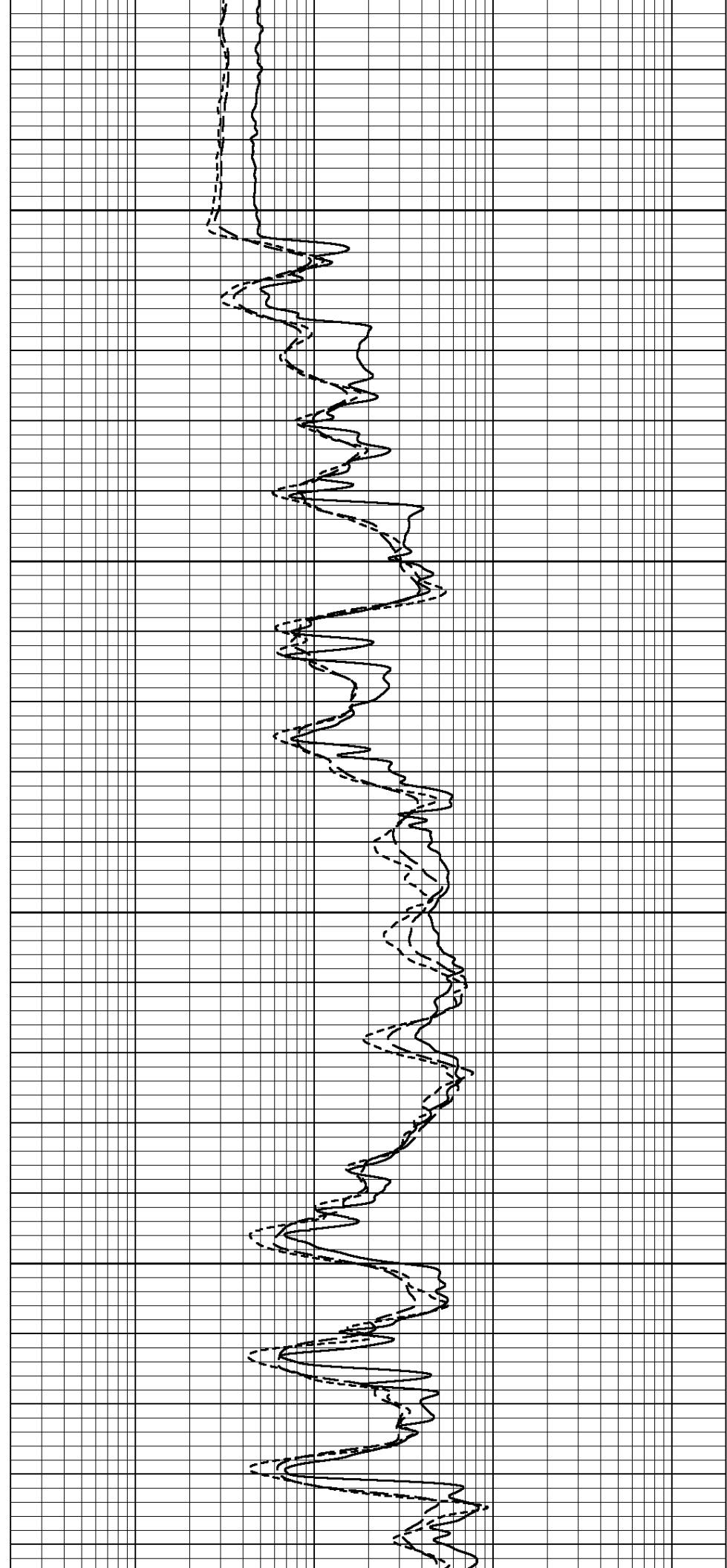
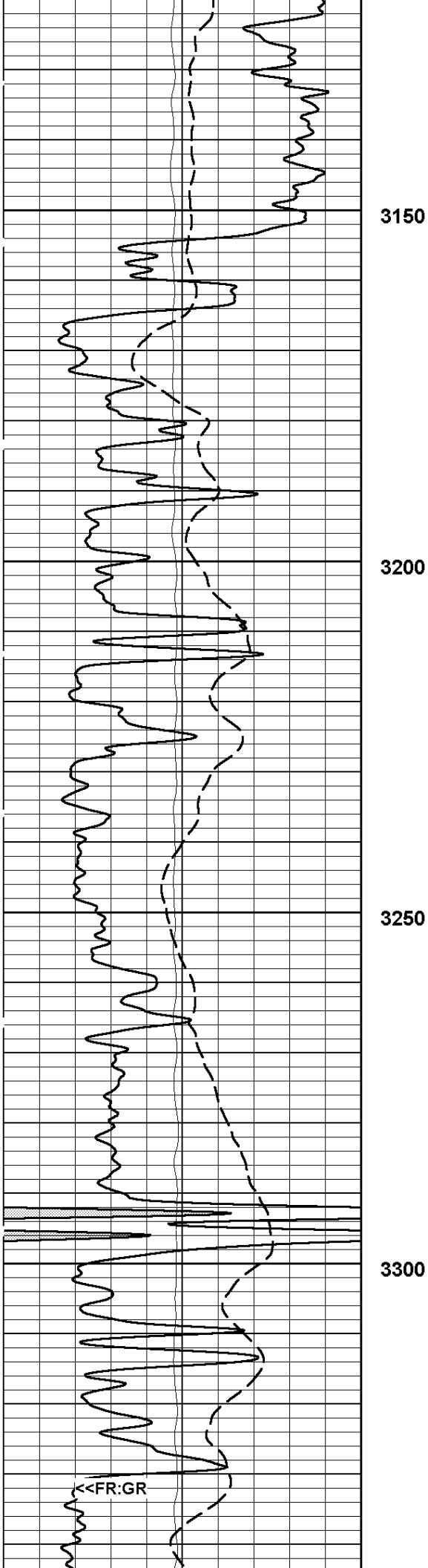


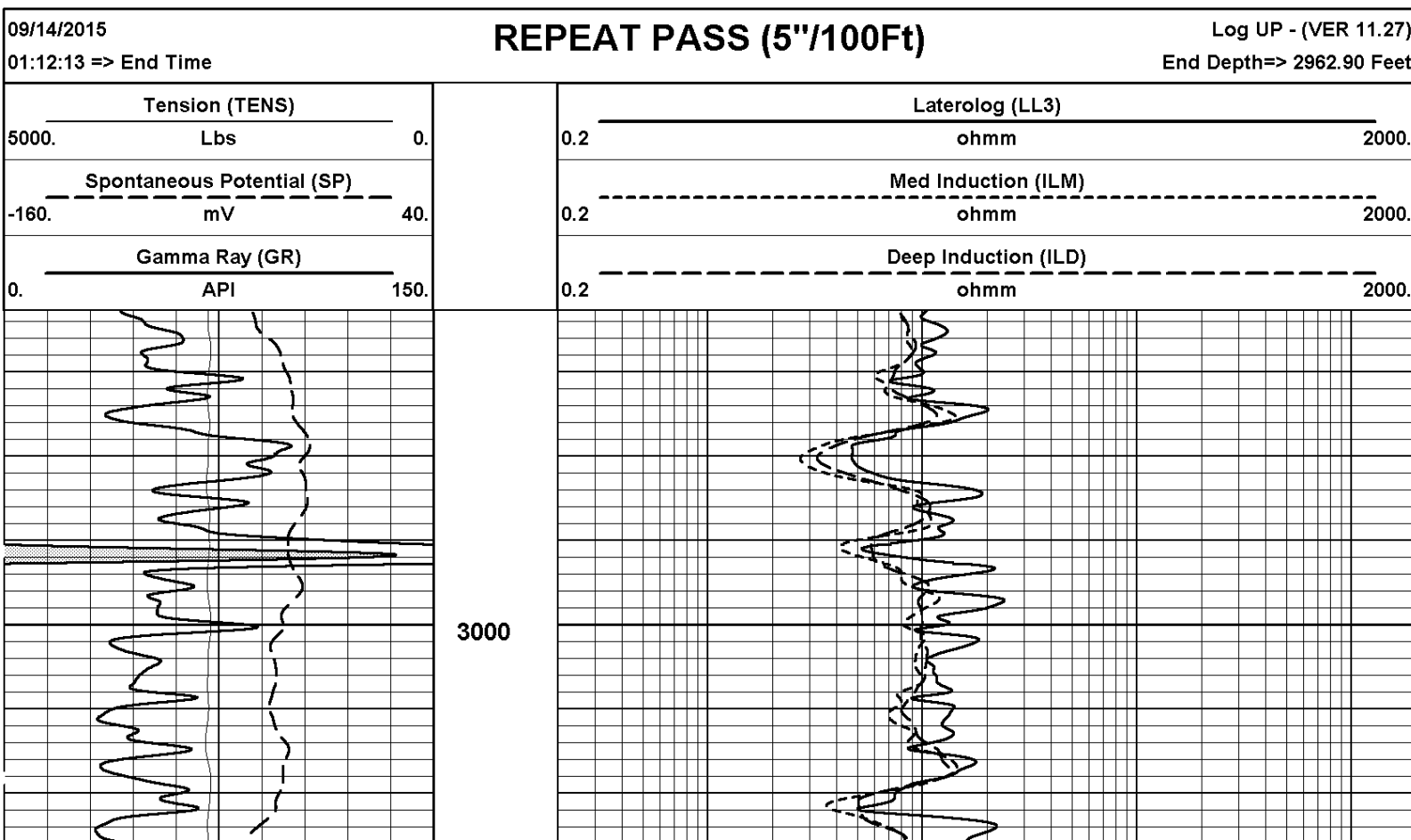
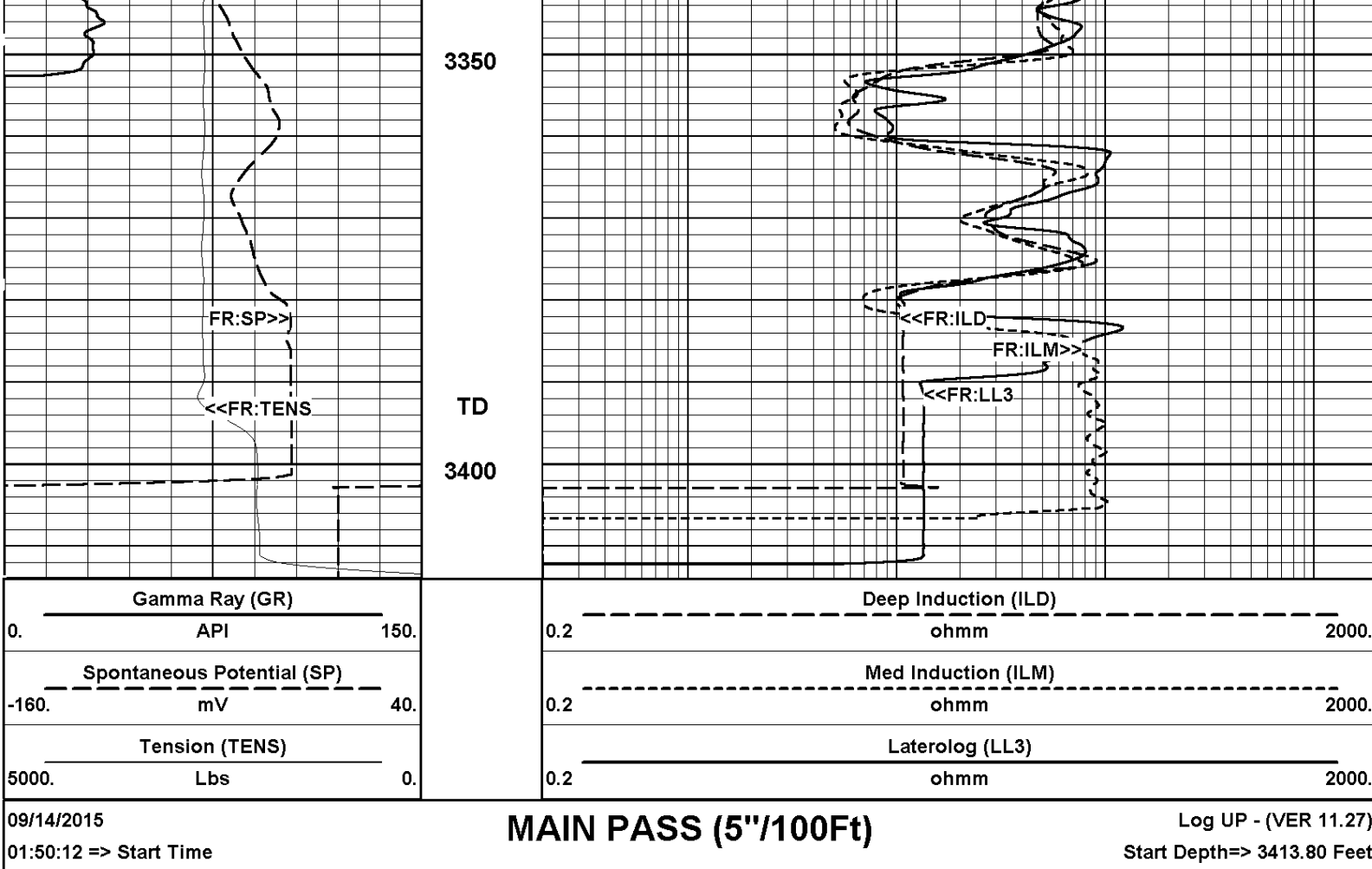


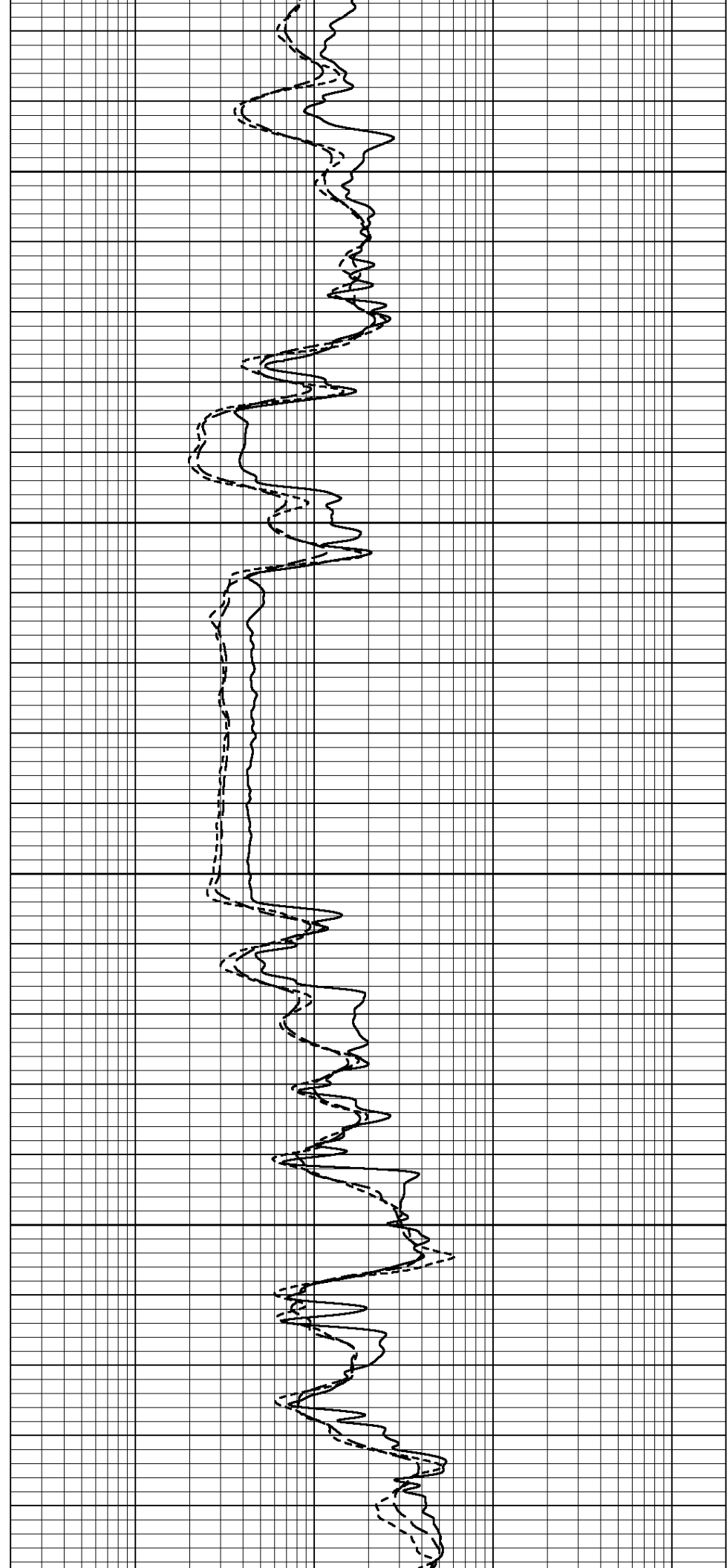
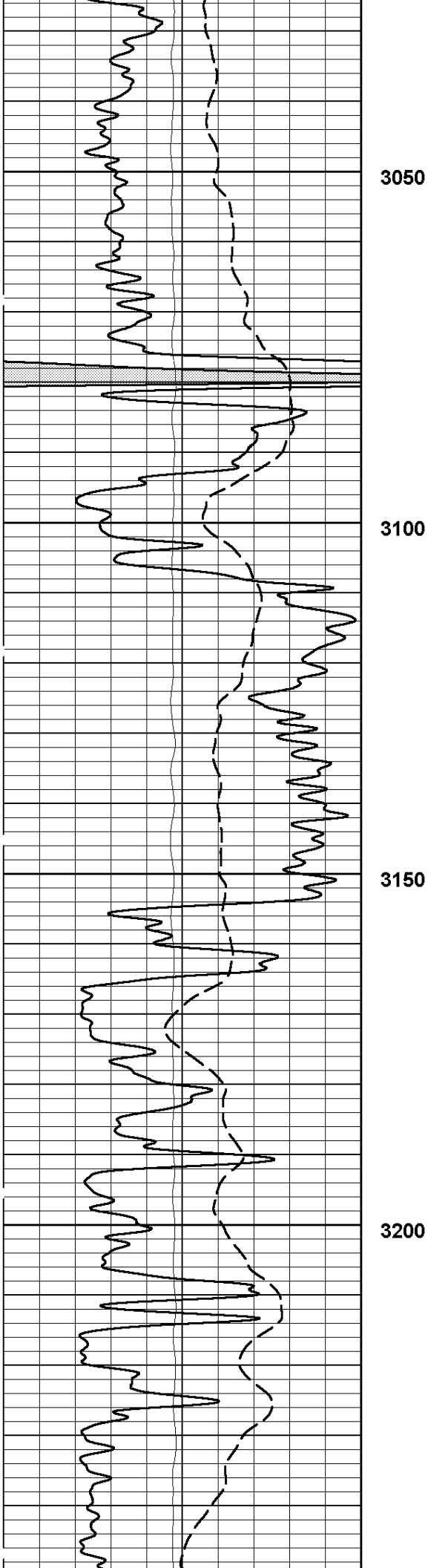


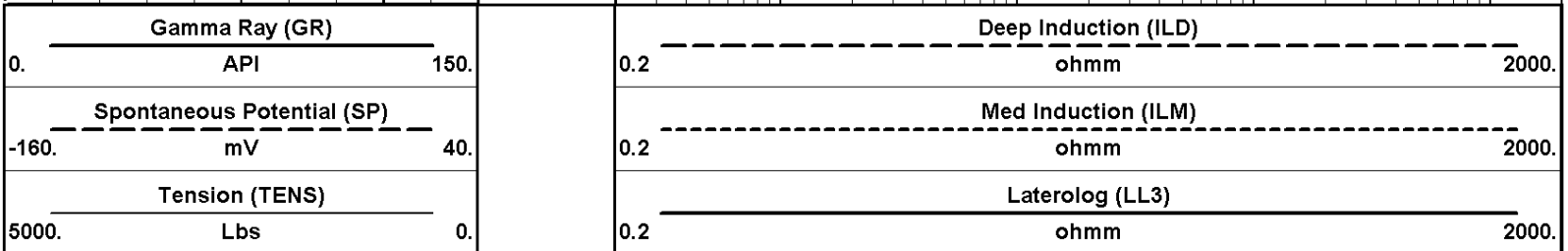
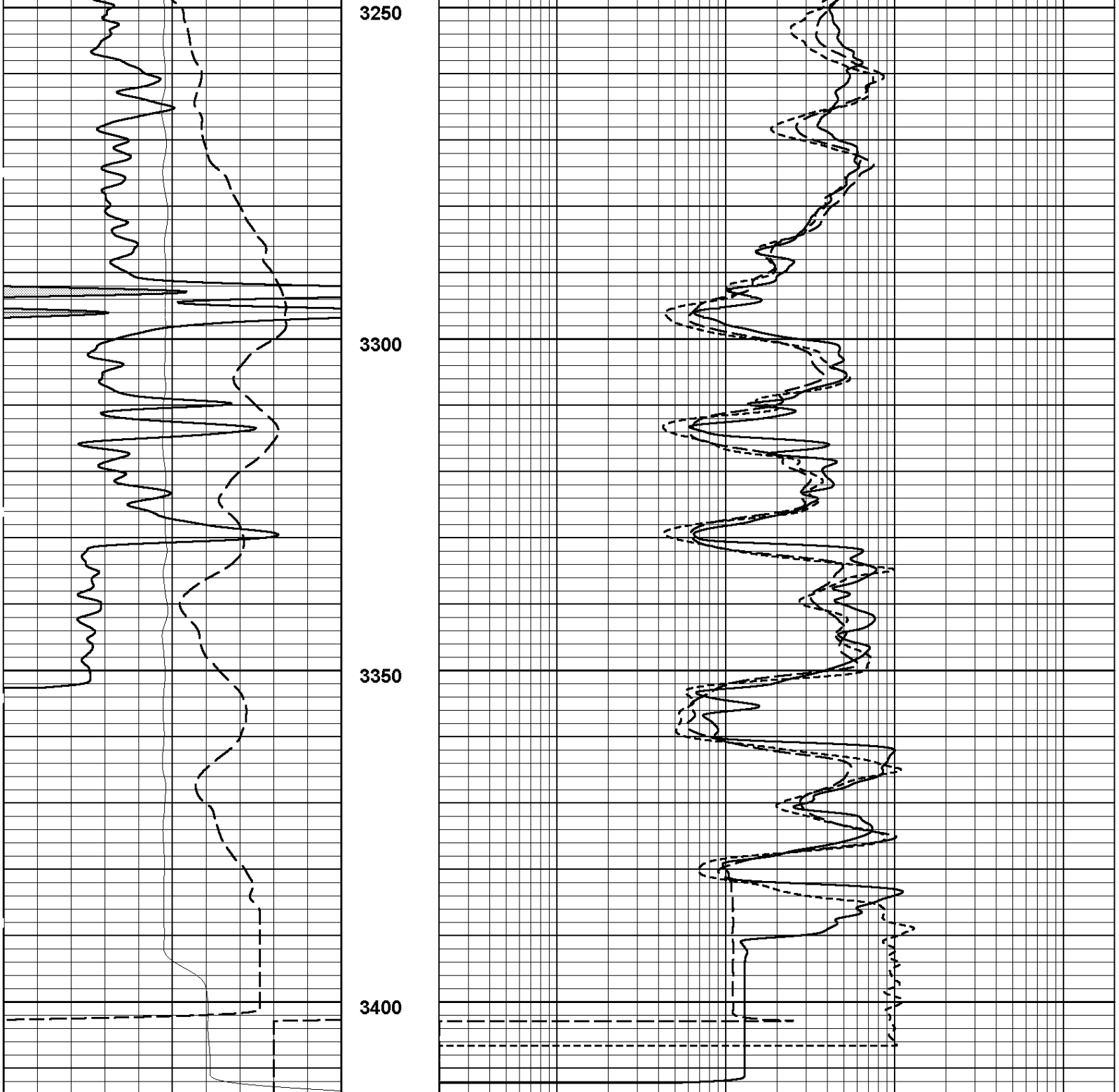












09/14/2015
01:00:39 => Start Time

REPEAT PASS (5"/100Ft)

Log UP - (VER 11.27)
Start Depth=> 3413.80 Feet

09/14/2015

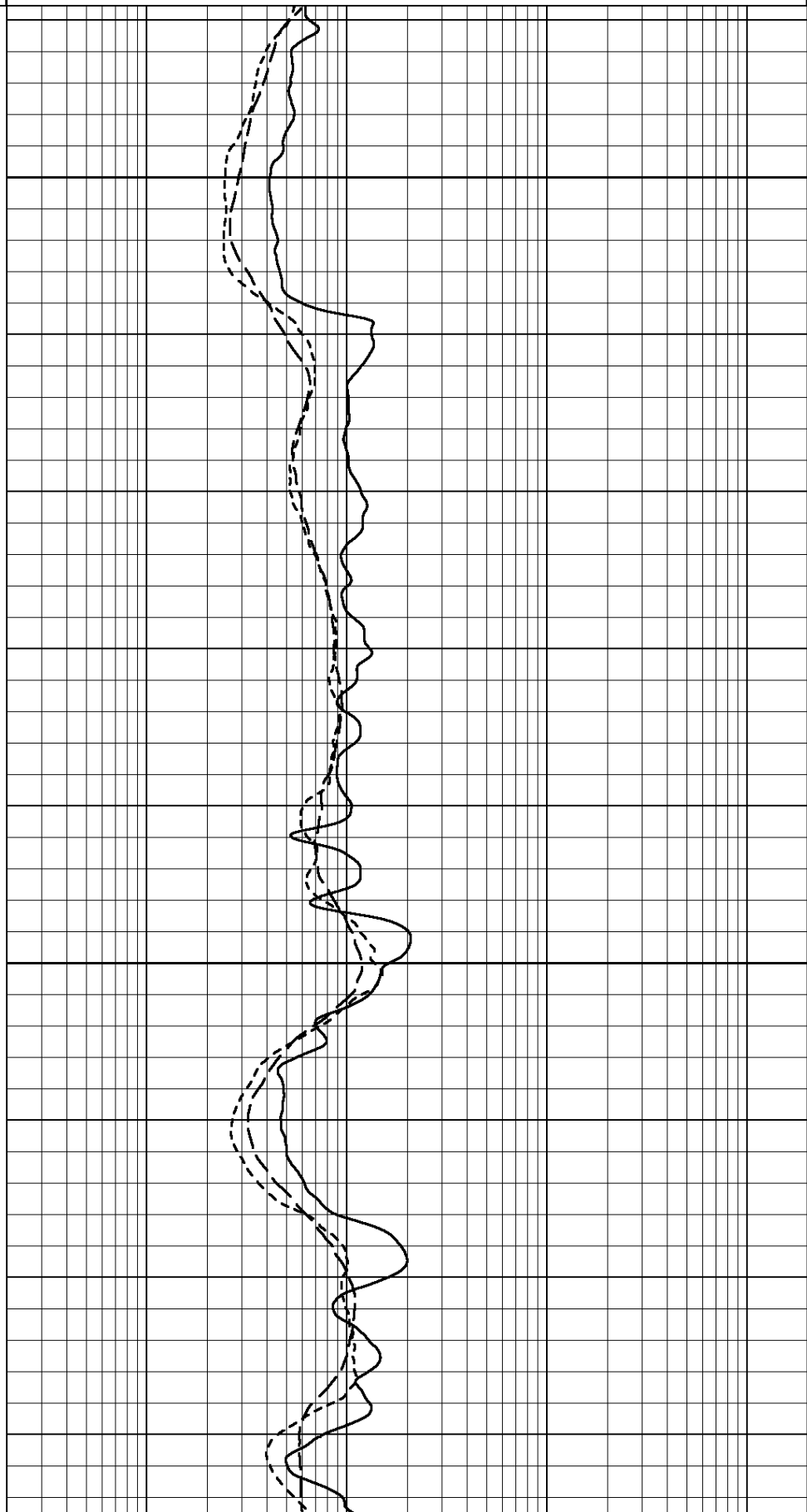
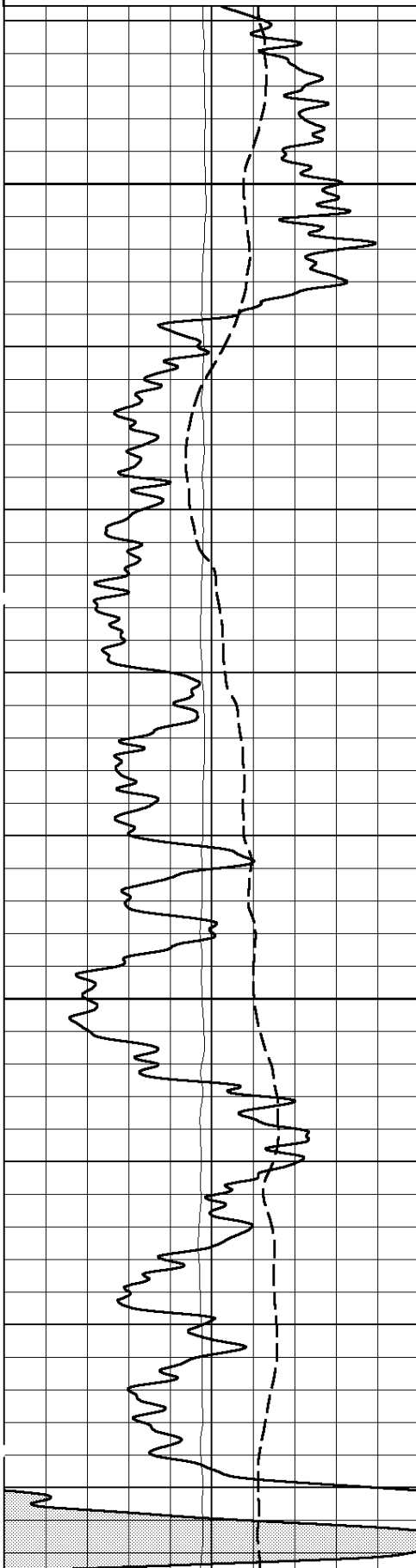
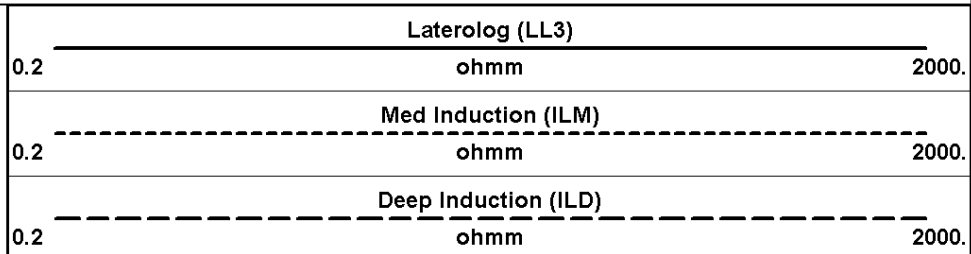
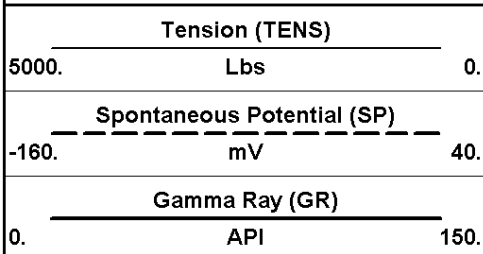
HIGH DEFINITION PASS (20"/100Ft)

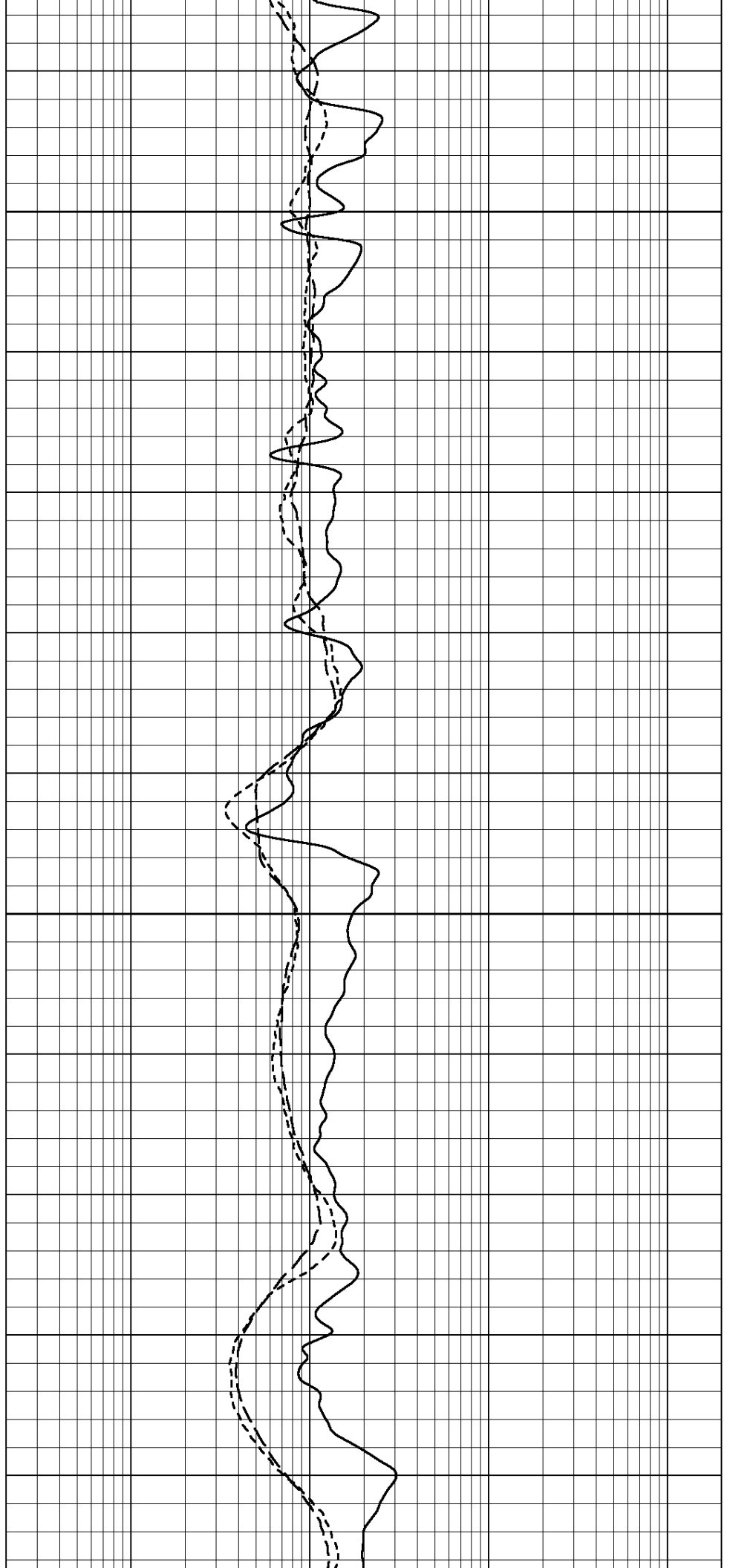
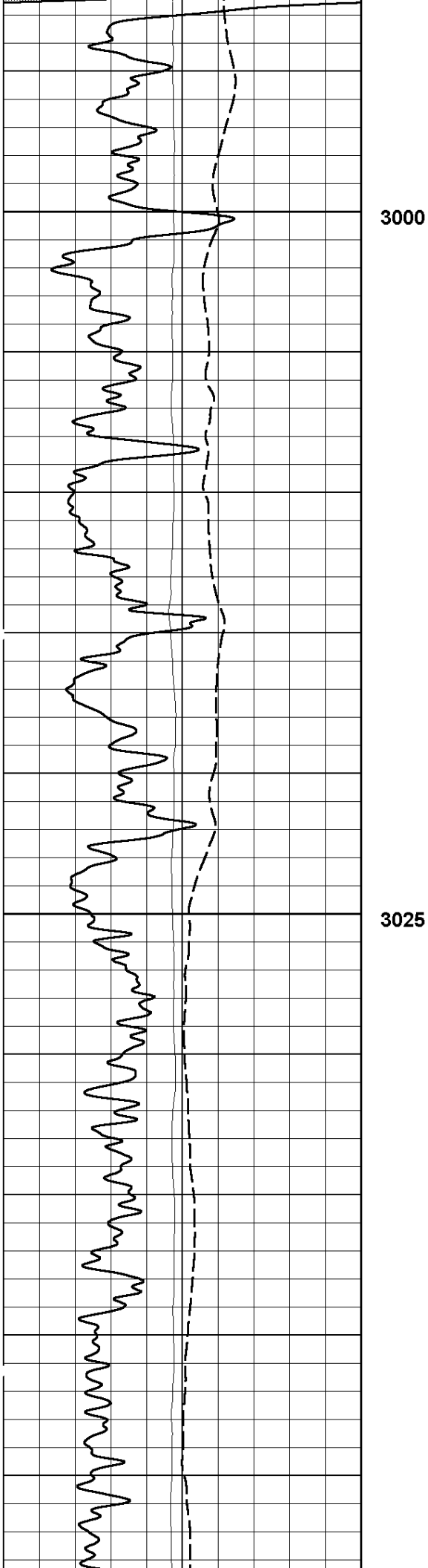
Log UP - (VER 11.27)

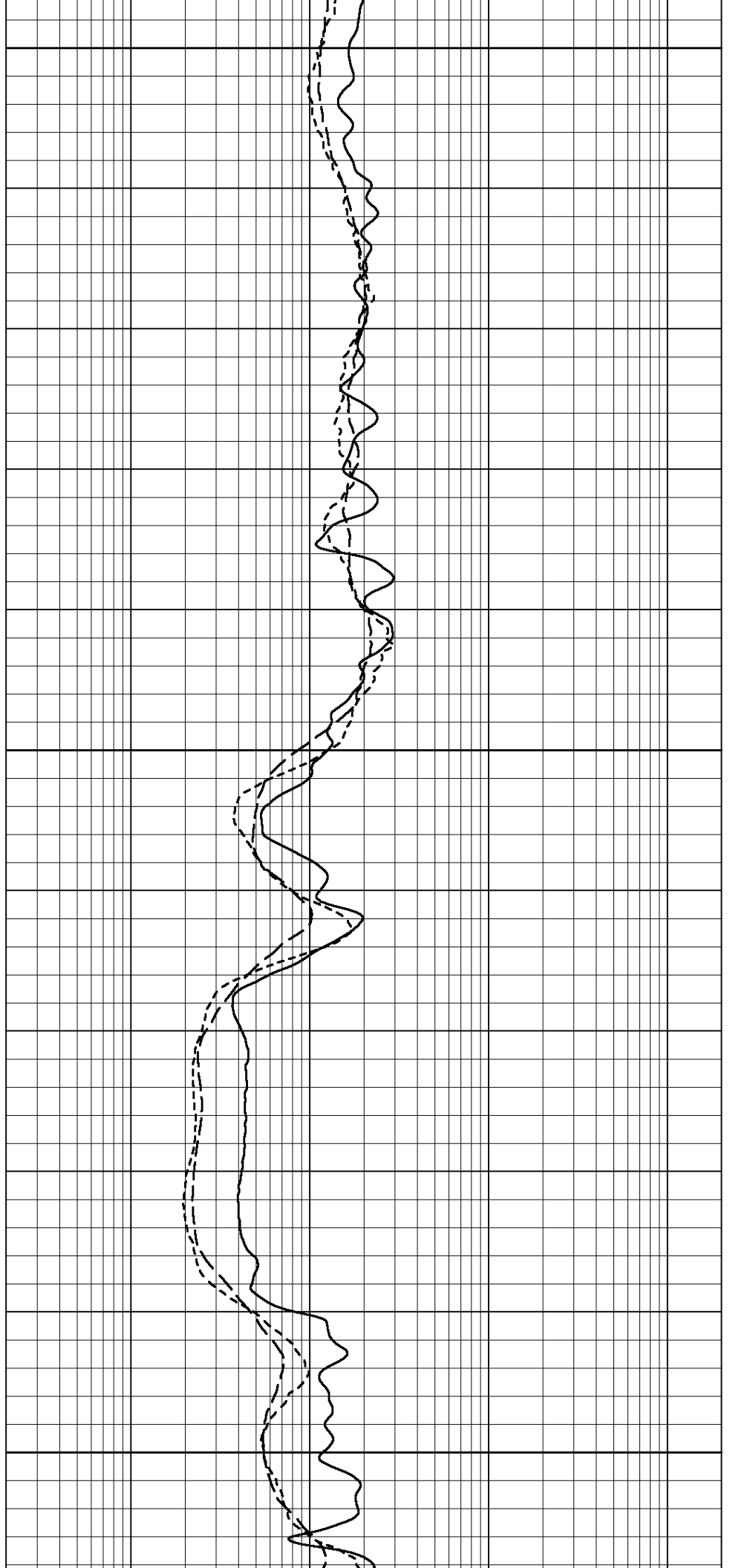
01:41:20 => End Time

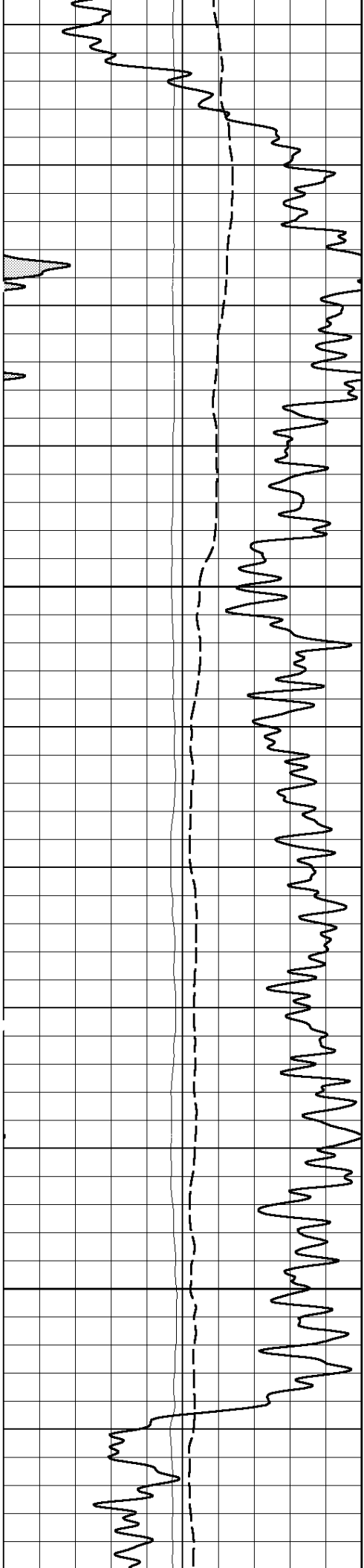
HIGH DEFINITION PASS (20 / 100 ft)

End Depth=> 2944.60 Feet



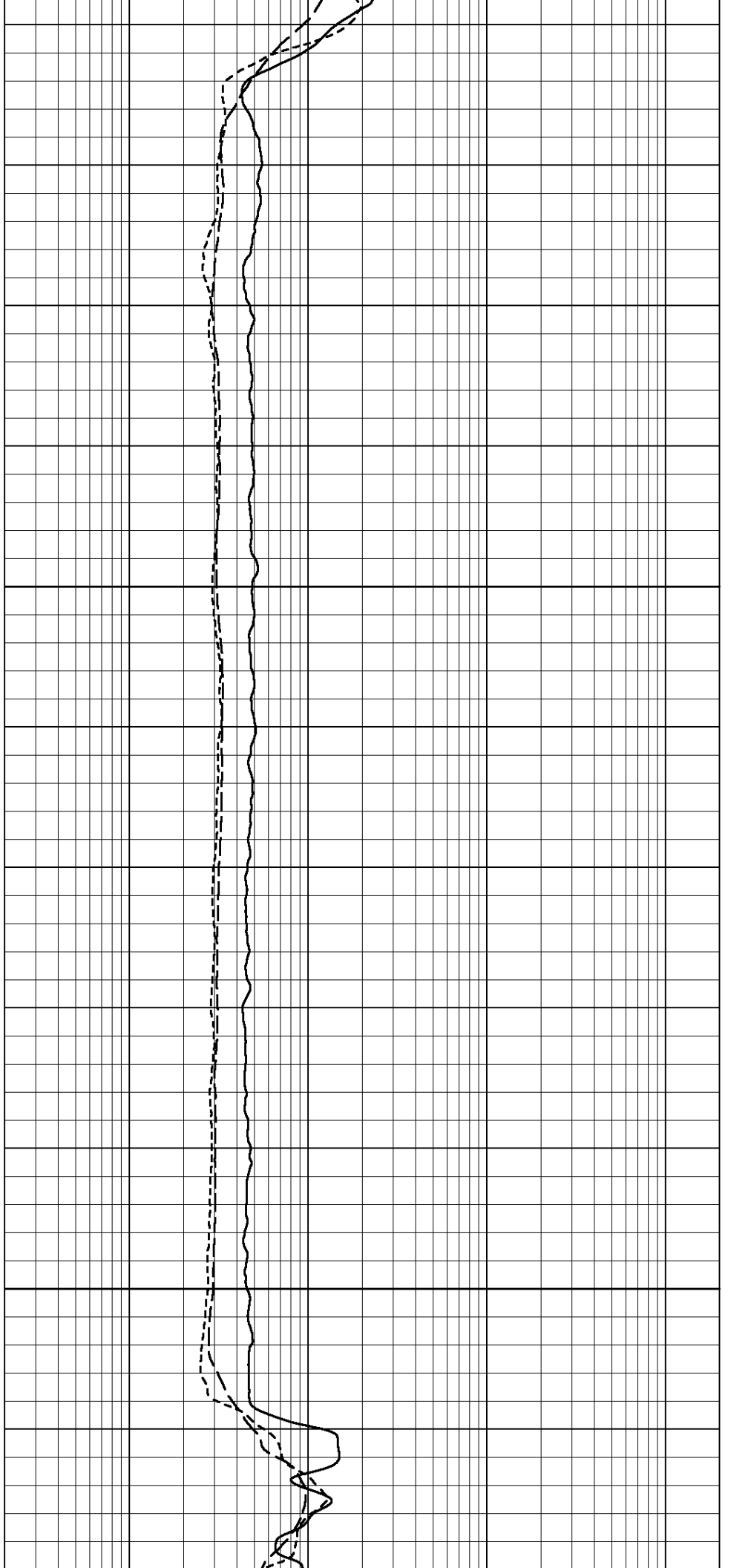


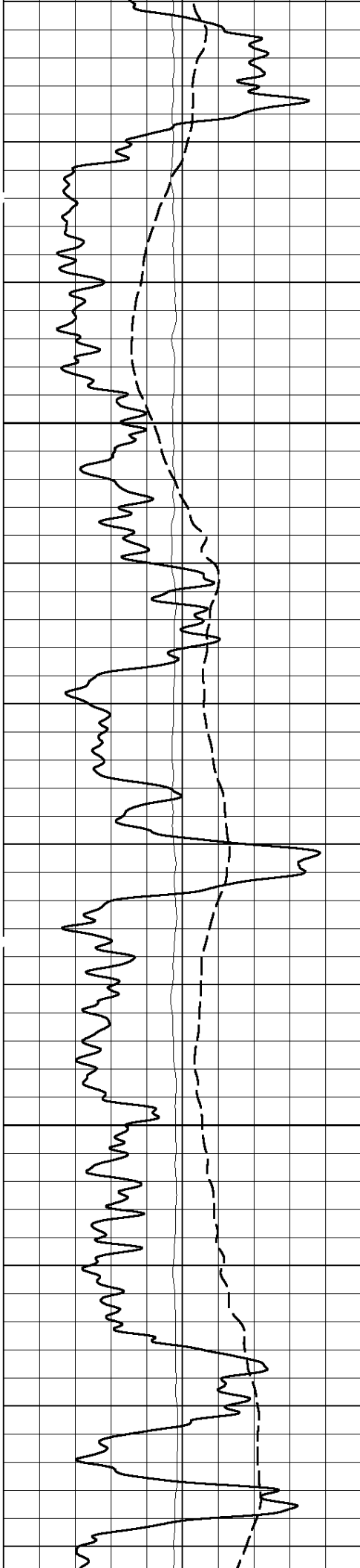




3125

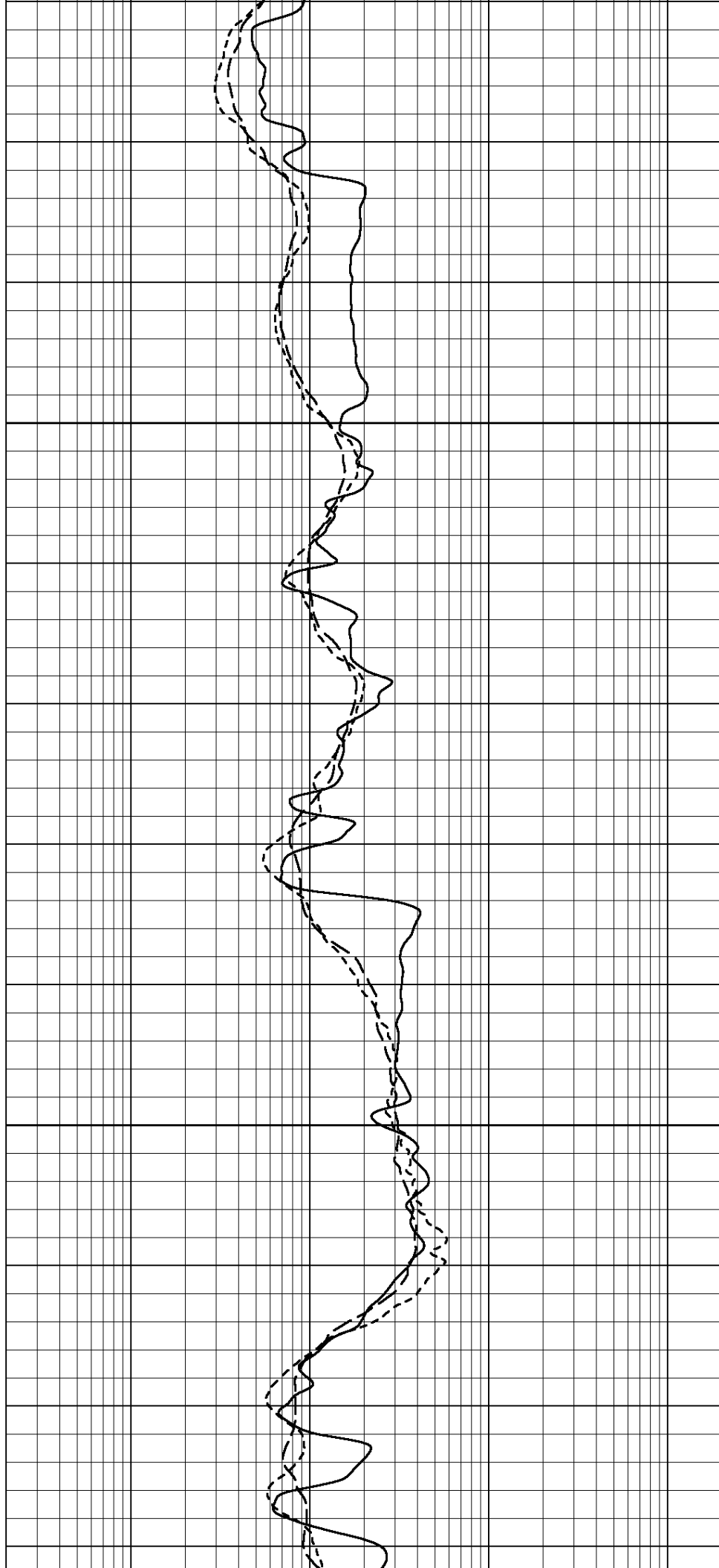
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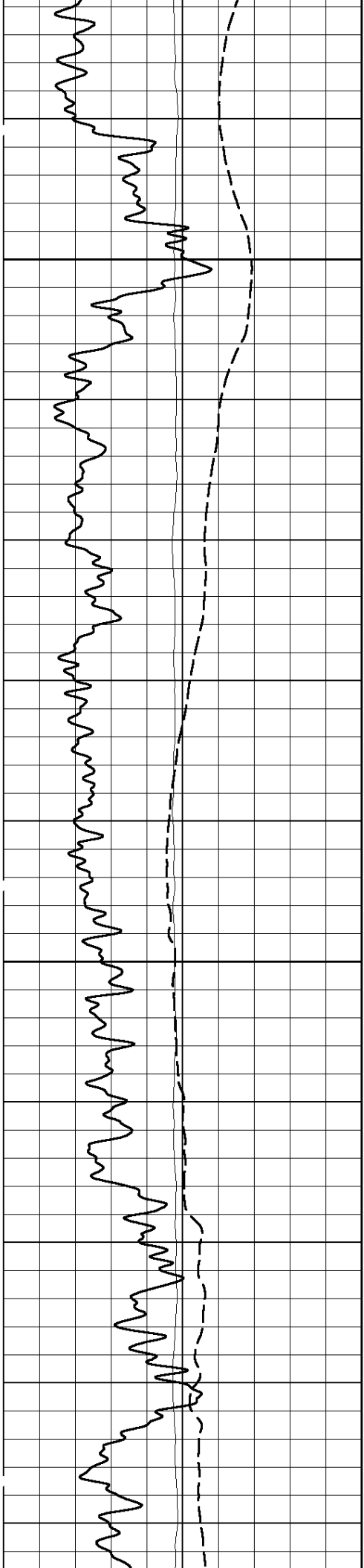




3175

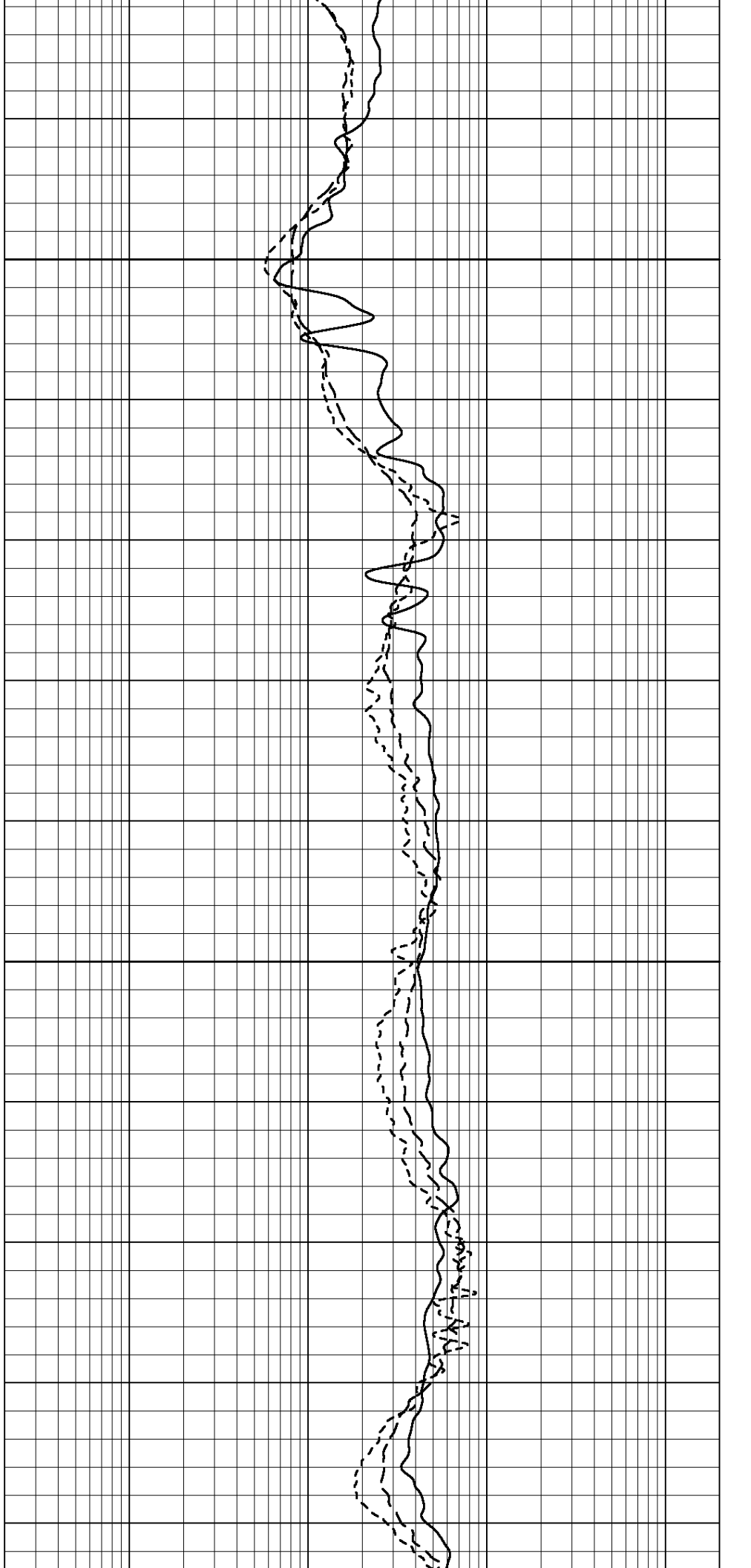
3200

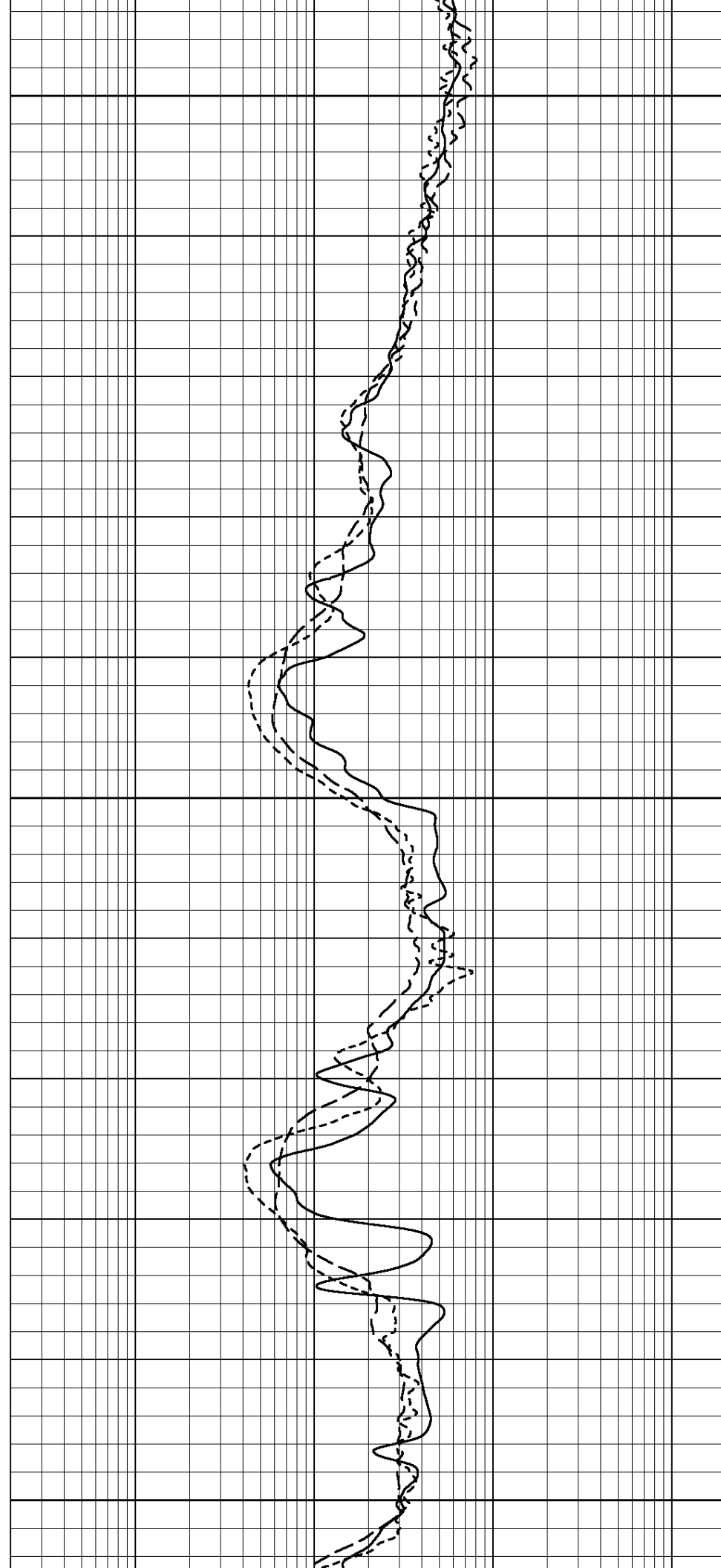
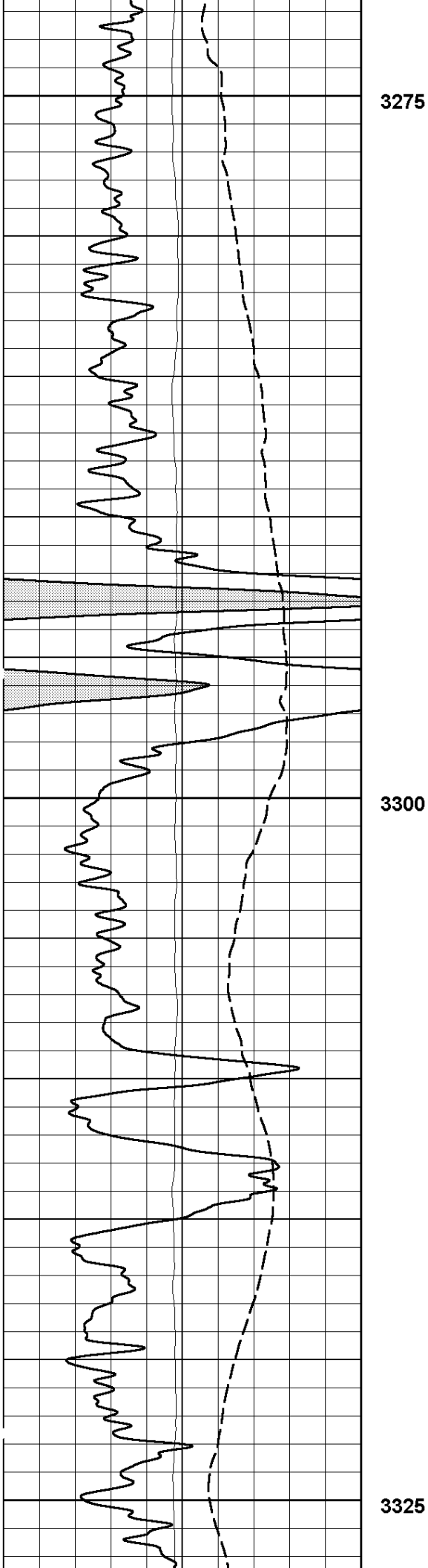


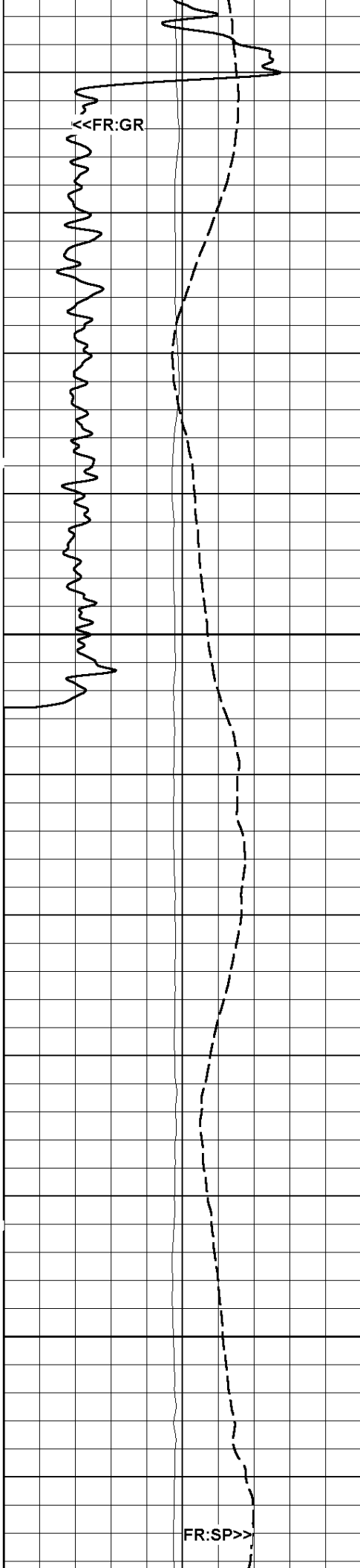


3225

3250

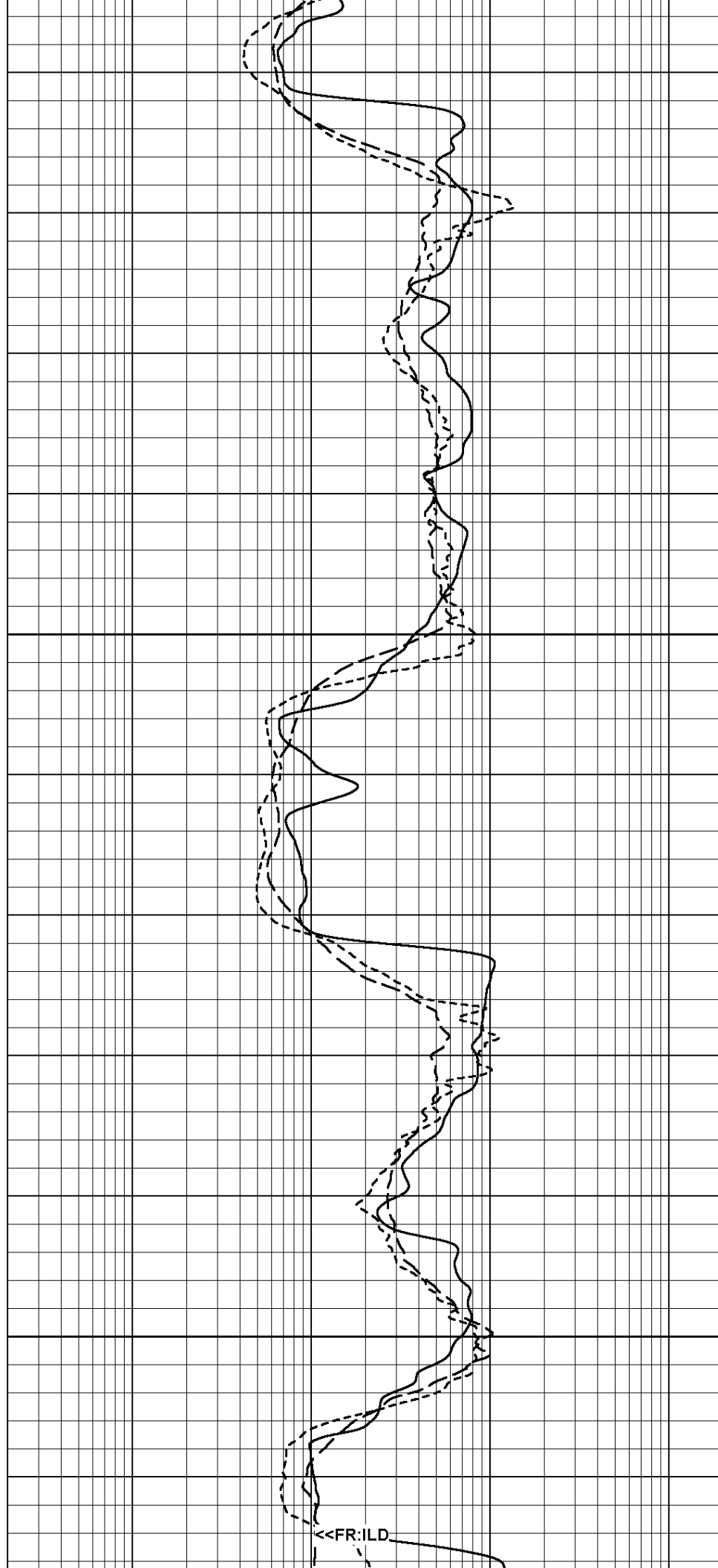


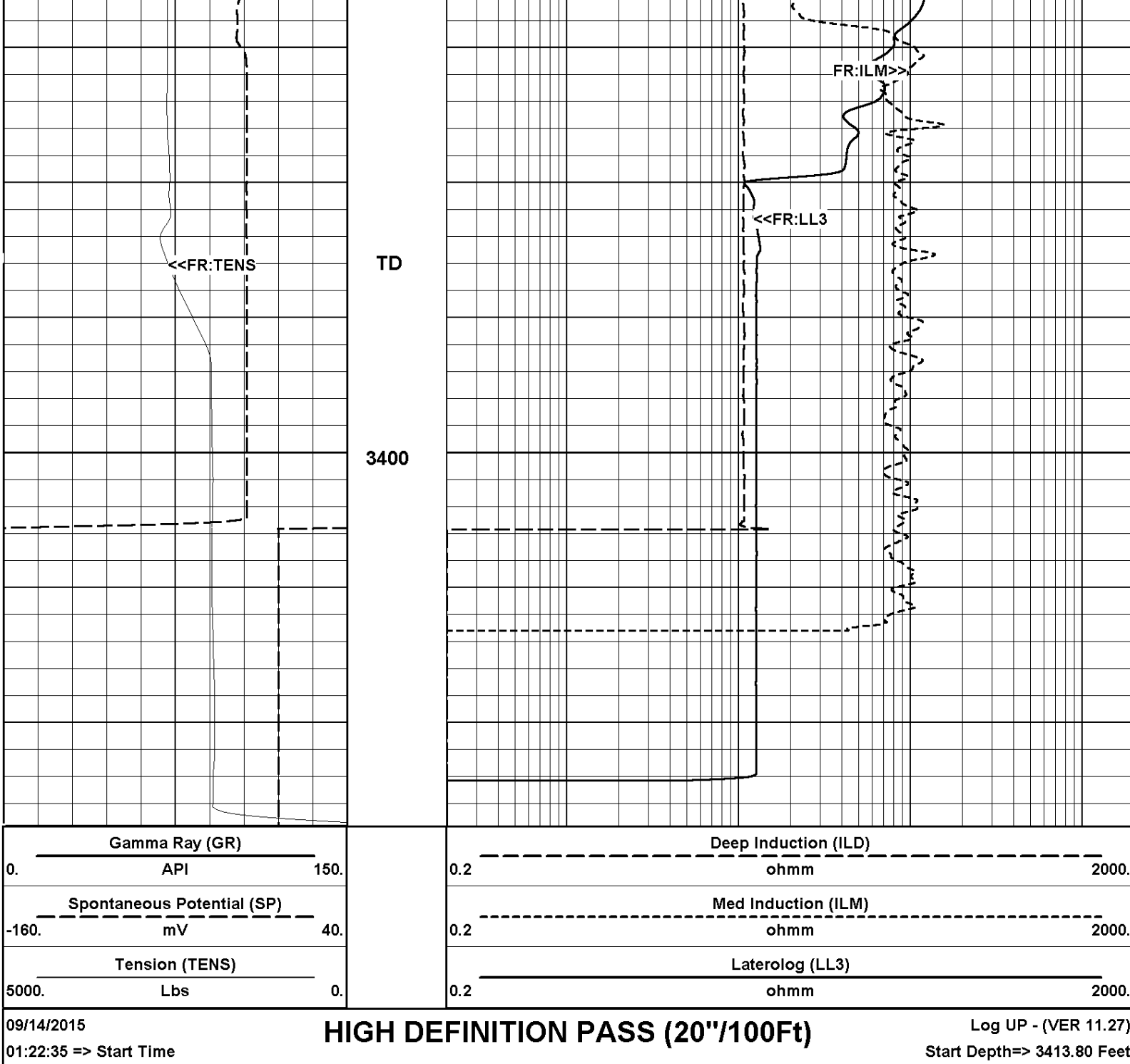




3350

3375





Induction Resistivity / Conductivity Calibrations

TOOL TYPE
SERIAL NUM

Slim Hole Induction
RD1003

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	5.007	632.505	M/D/Y> 5/14/2012	H:M:S> 12:52:0
MED INDUCTION	0.000		462.500	501.895	-2.152	590.785	M/D/Y> 5/14/2012	H:M:S> 13:0:34
	CALIBRATOR LOW(ohm)		CALIBRATOR HI(ohm)		LOW(mV)	HI(mV)		

SHALLOW LATEROLOG	2.000	500.000	11.103	2432.246	M/D/Y> 5/14/2012	H:M:S> 13:5:31
WELL SITE CALIBRATIONS						

Gamma Ray Calibrations

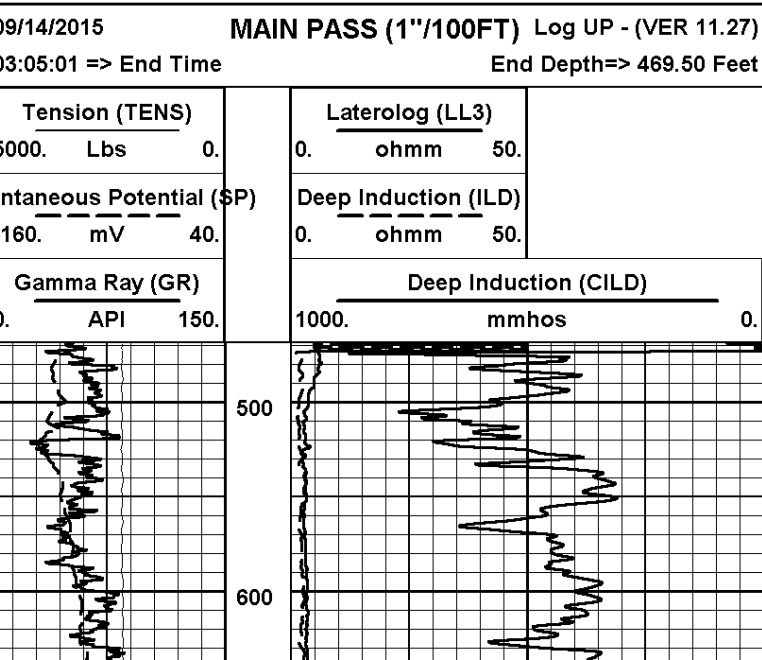
SERIAL NUM	RG3018
BLANKET NUM	1A

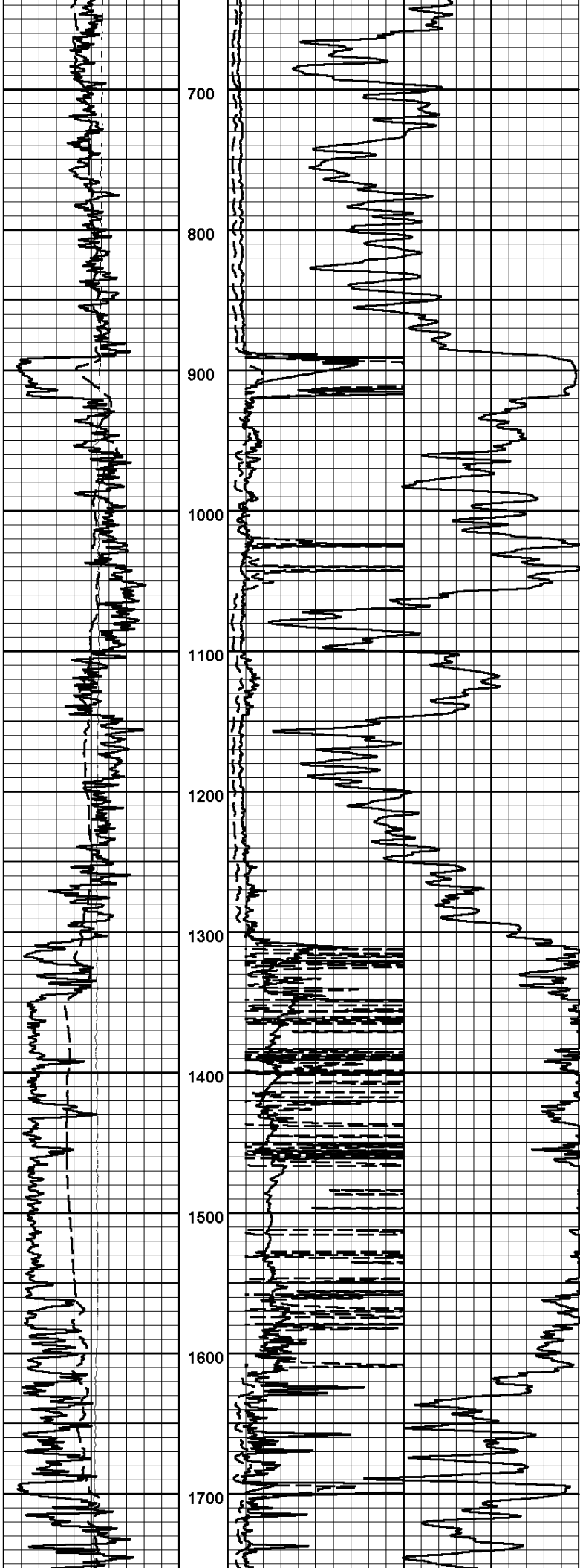
MASTER CALIBRATIONS					
	LowVal: 0.000 API	HighVal: 159.000 API	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	0.000 - raw	406.454 - raw	0.467 - gain 0.000 - off	M/D/Y> 8/20/2015	H:M:S> 8:48:30

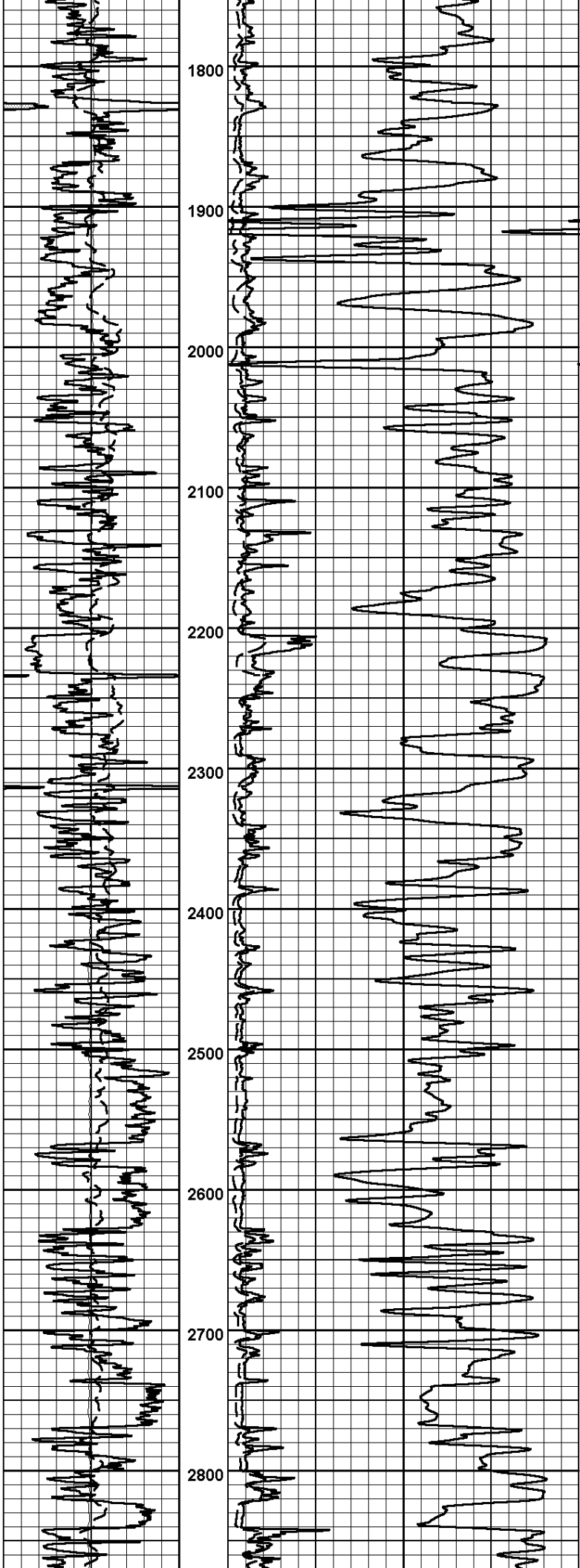
Company	CMX, INC.
Well	SUSANK2 #1-29
Field	TRAPP
County	BARTON
State	KANSAS

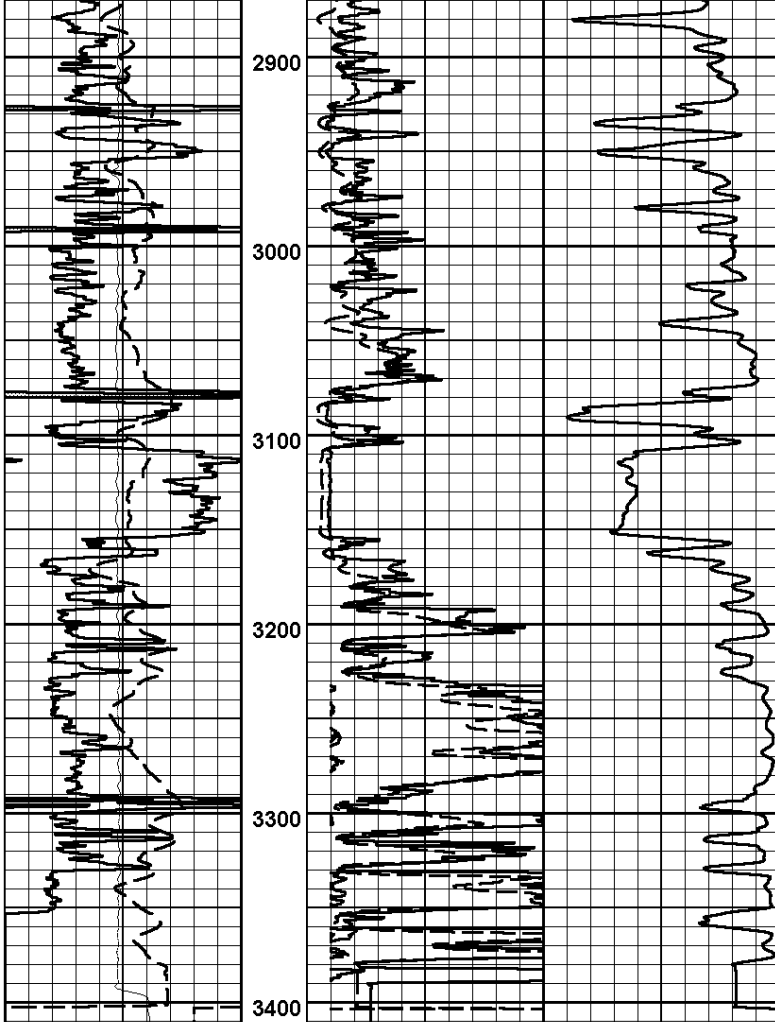


DUAL INDUCTION
 LATEROLOG - SP
 GAMMA RAY









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

09/14/2015 **MAIN PASS (1"/100FT)** Log UP - (VER 11.27)
 01:50:12 => Start Time Start Depth=> 3413.50 Feet