

Company **CMX, INCORPORATED**
Well **HOMOLKA #1-35**
Field **KRAFT-PRUSA**
County **BARTON**
State **KANSAS**

RECON

DUAL INDUCTION
LATEROLOG - SP
GAMMA RAY

SEC		TWP		RGE		OTHER SERVICES:	
35		16S		11W		LDT	
Location: 530' FNL & 2310' FEL						XY CALIPER	
SURF. SAME		API#		S2/NW/NW/NE		MICROLOG BHC	
				015-009-26089-00-00			
Permanent Datum		Ground Level		Elev		ELEVATIONS	
Log Measured From		Kelly Bushing				K.B. 1932	
Drilling Measured From		Kelly Bushing				G.L. 1919	
						D.F. 1930	

Date	23-MAR-2015		
Run No.	ONE		
TD Driller	3372	ft.	ft.
TD RECON	3371	ft.	ft.
Bot Logged Interval	3370	ft.	ft.
Top Logged Interval	460	ft.	ft.
Casing Depth Driller	8 5/8	in.	@ 476
Casing Depth RECON	8 5/8	in.	@ 478
Bit Size	7 7/8	in.	in.
Drilling Fluid Type	WBM		
Density	9.0	Viscosity	54
Fluid Loss	9.0	PH	11.0
Source Of Sample	Flowline		
RM @ Measured Temp	1.26	Ohmm	@ 75
RMF @ Measured Temp	0.94	Ohmm	@ 75
RMC @ Measured Temp	1.57	Ohmm	@ 75
RM @ MRT	0.83	Ohmm	@ 113
Max Recorded Temp	113	DegF	Ohmm DegF
Time Drilling Stopped	22-MAR-2015	08:30	
Time Circulation Stopped	23-MAR-2015	12:15	
Time Logger On Bottom	23-MAR-2015	15:32	
Unit Num	Location	S406	OKLAHOMA CITY, OK
Recorded By	K.HELDERMON		
Witnessed By	K.LEBLANC		

FIELD PRINT

FIELD PRINT

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 #7

GENERAL REMARKS SECTION

FIRST RUN IN THE HOLE
CNL AND LDT LOGGED IN A LIMESTONE MATRIX
TOP MARK - 499, BOTTOM MARK - 3301.6
CNL/LDT LOGGED MATRIX: 2.71 g/cc.

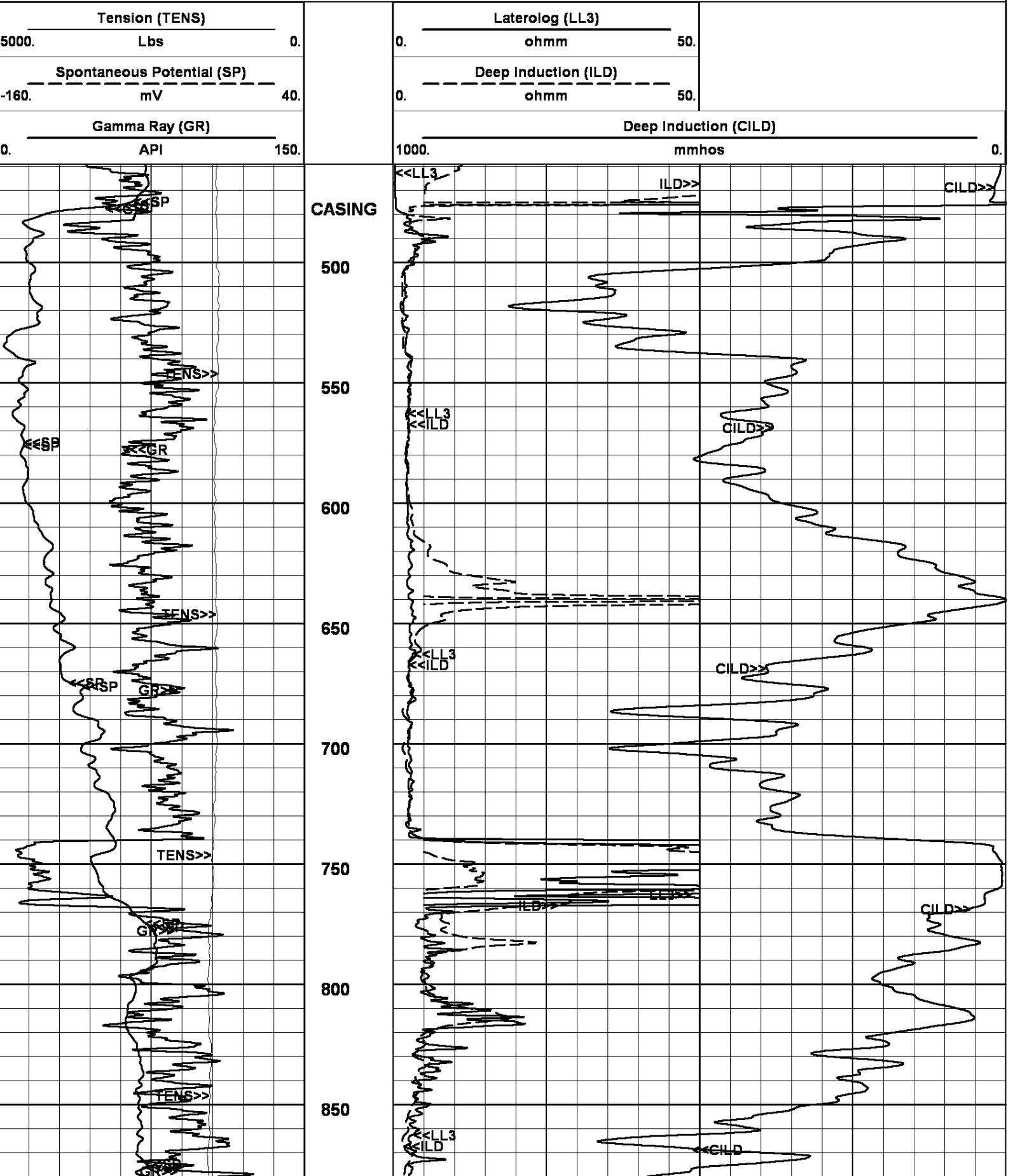
CHLORIDES: 3900
LCM: 4

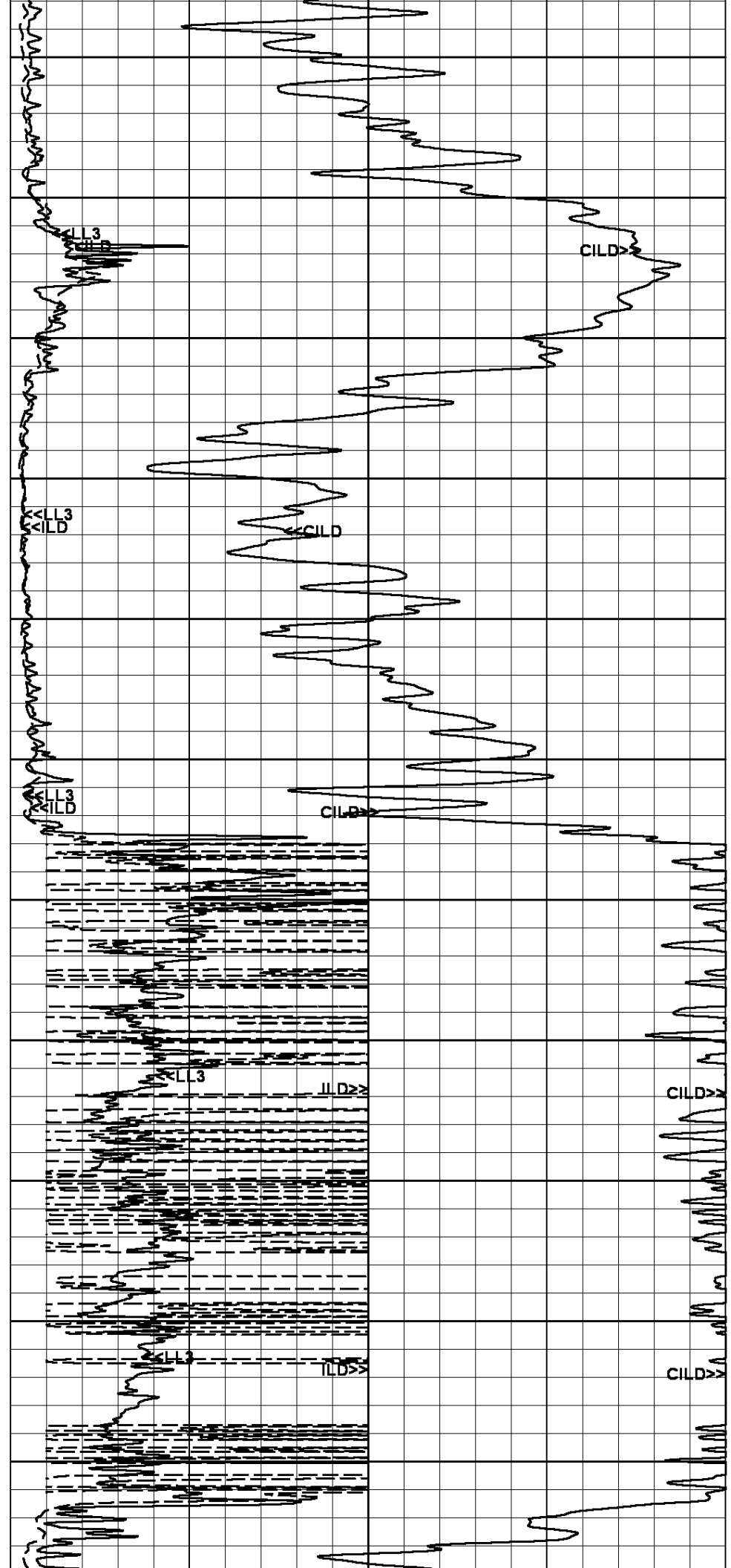
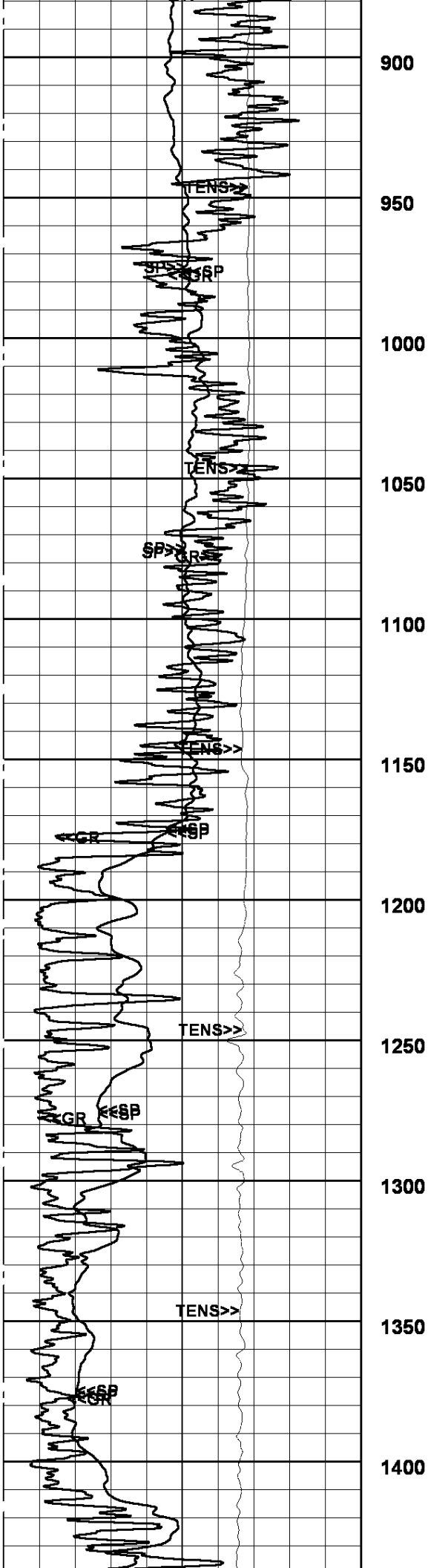
AHV CALCULATED ON 5.5" PROD. CASING

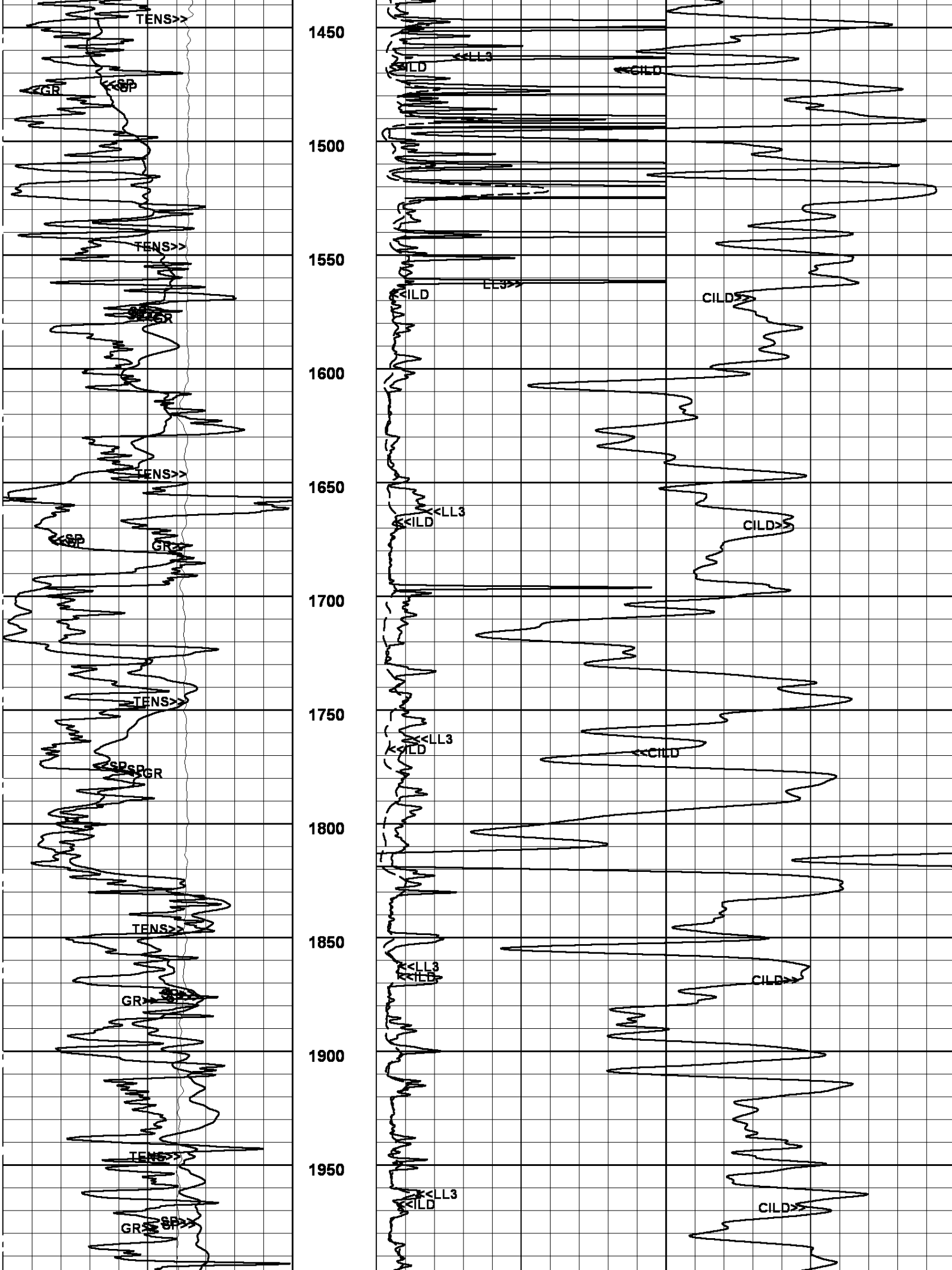
03/23/2015
17:25:50 => End Time

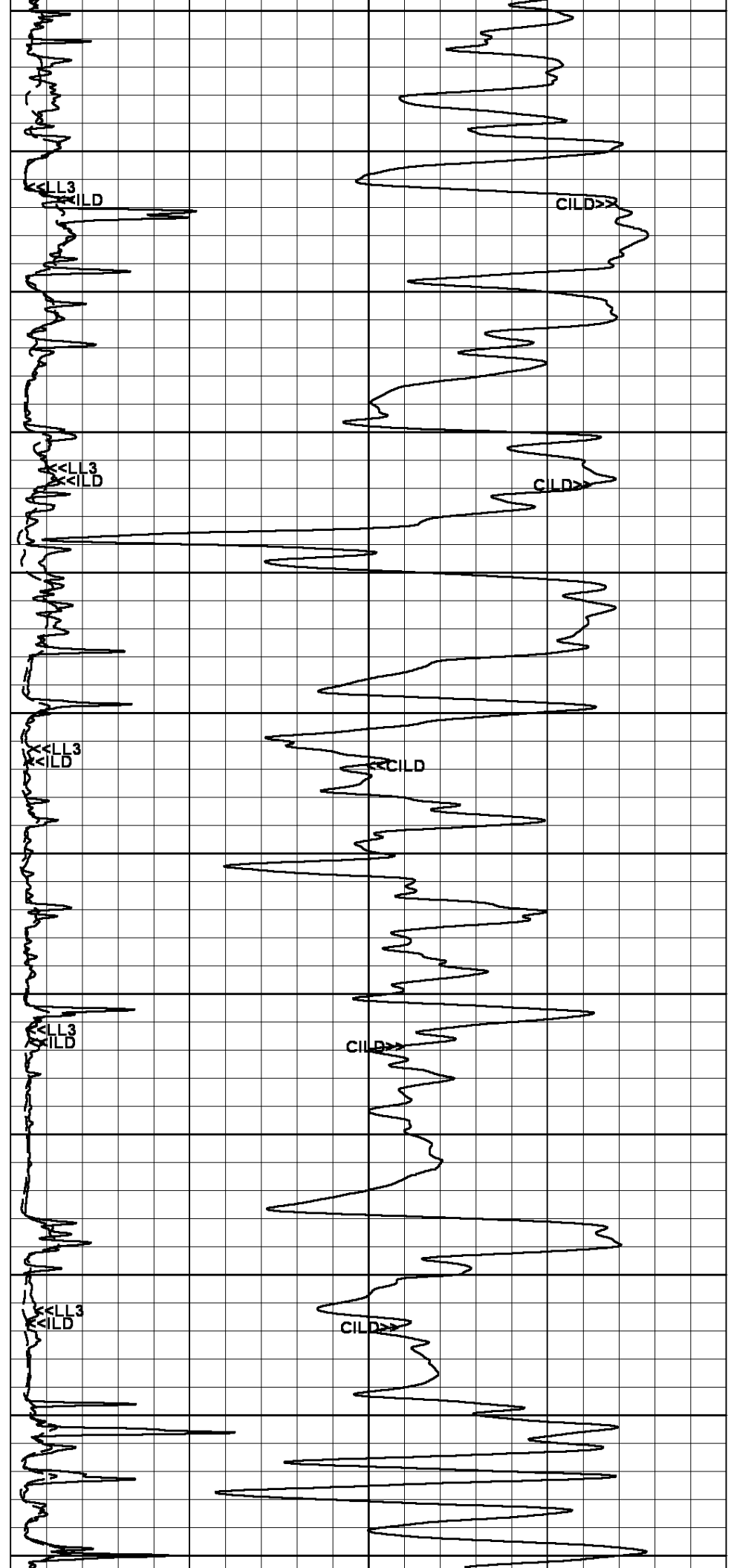
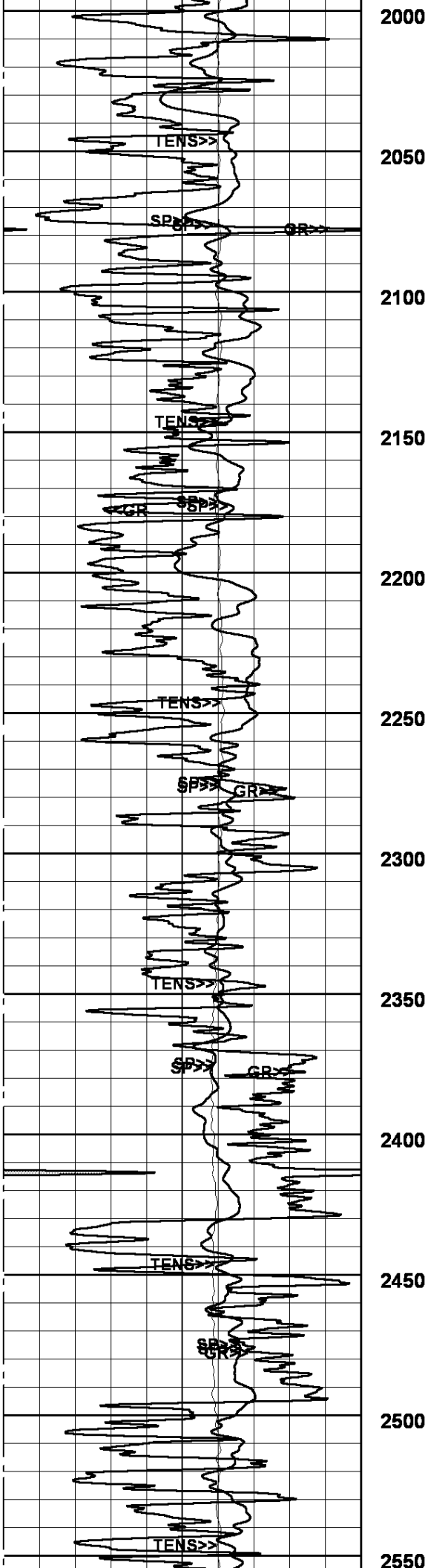
MAIN PASS (2"/100Ft)

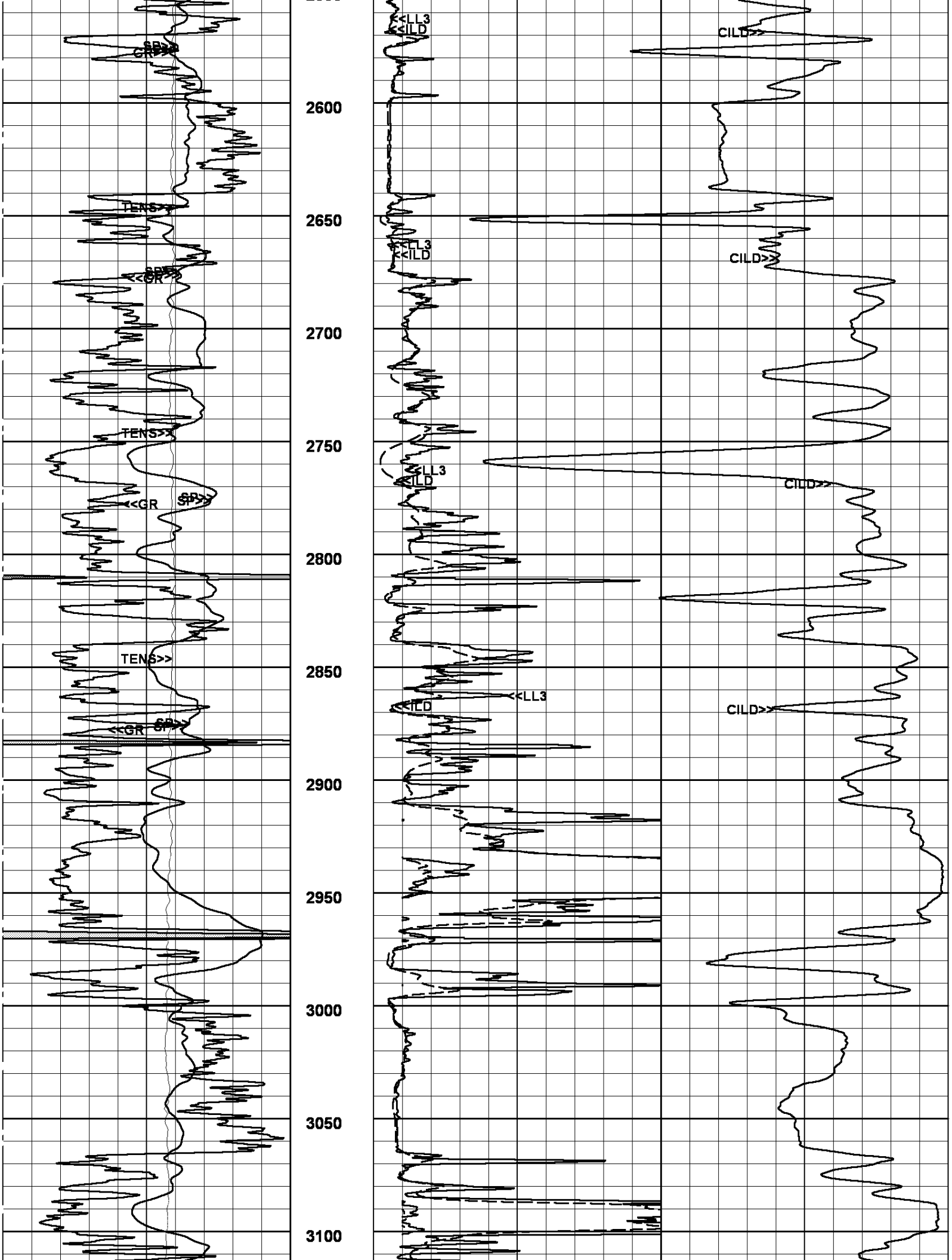
Log UP - (VER 11.19)
End Depth=> 459.75 Feet

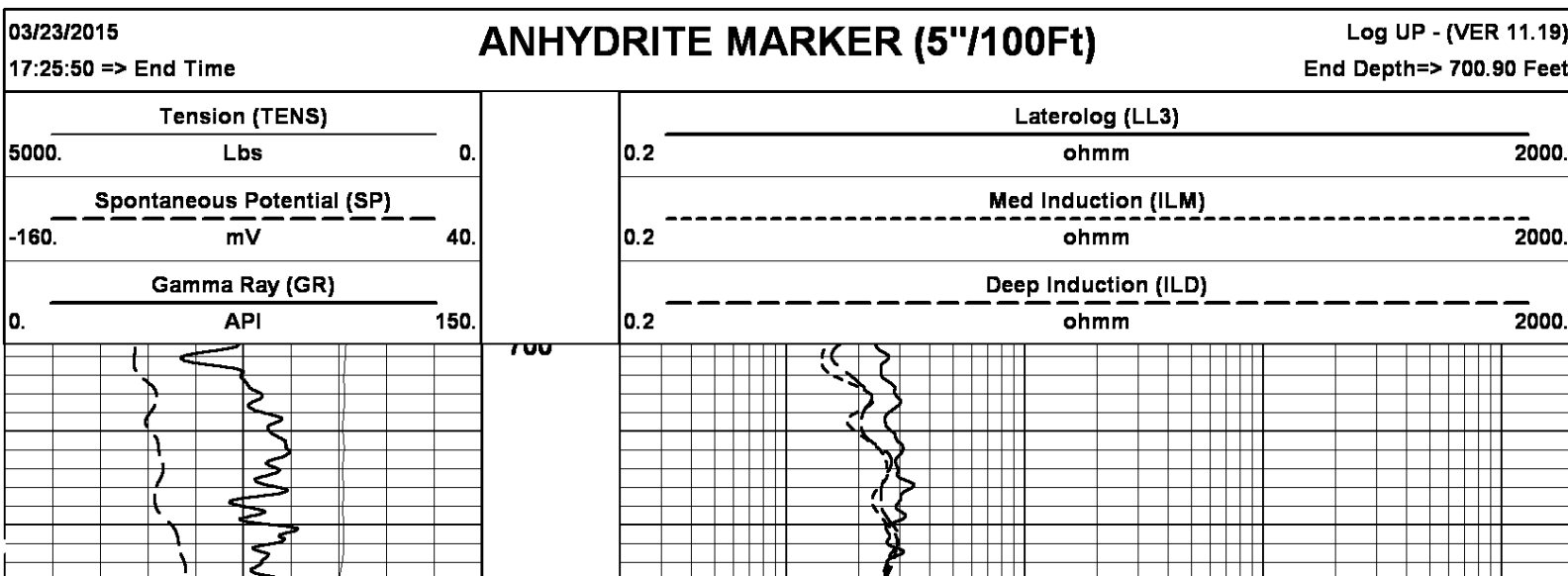
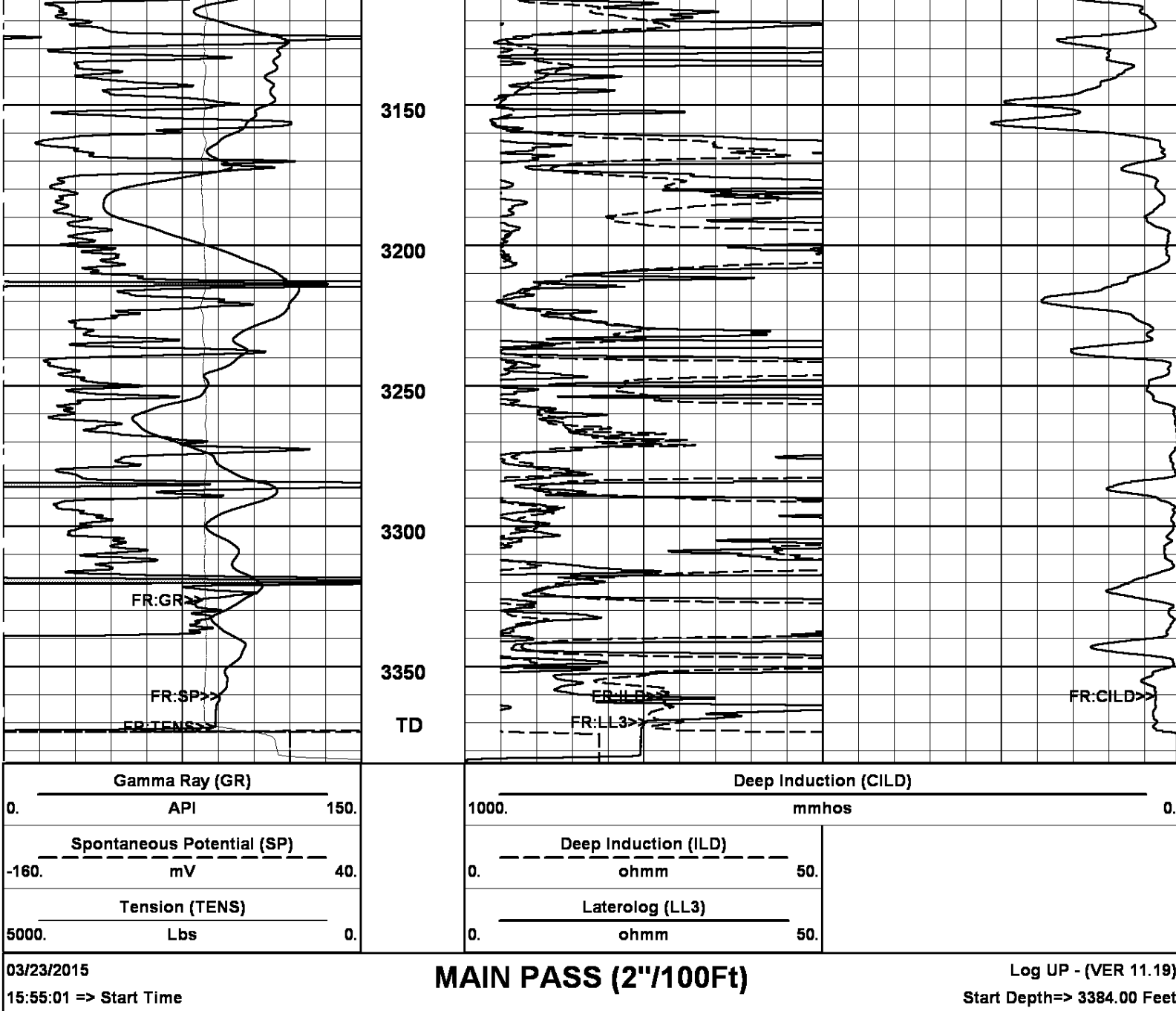


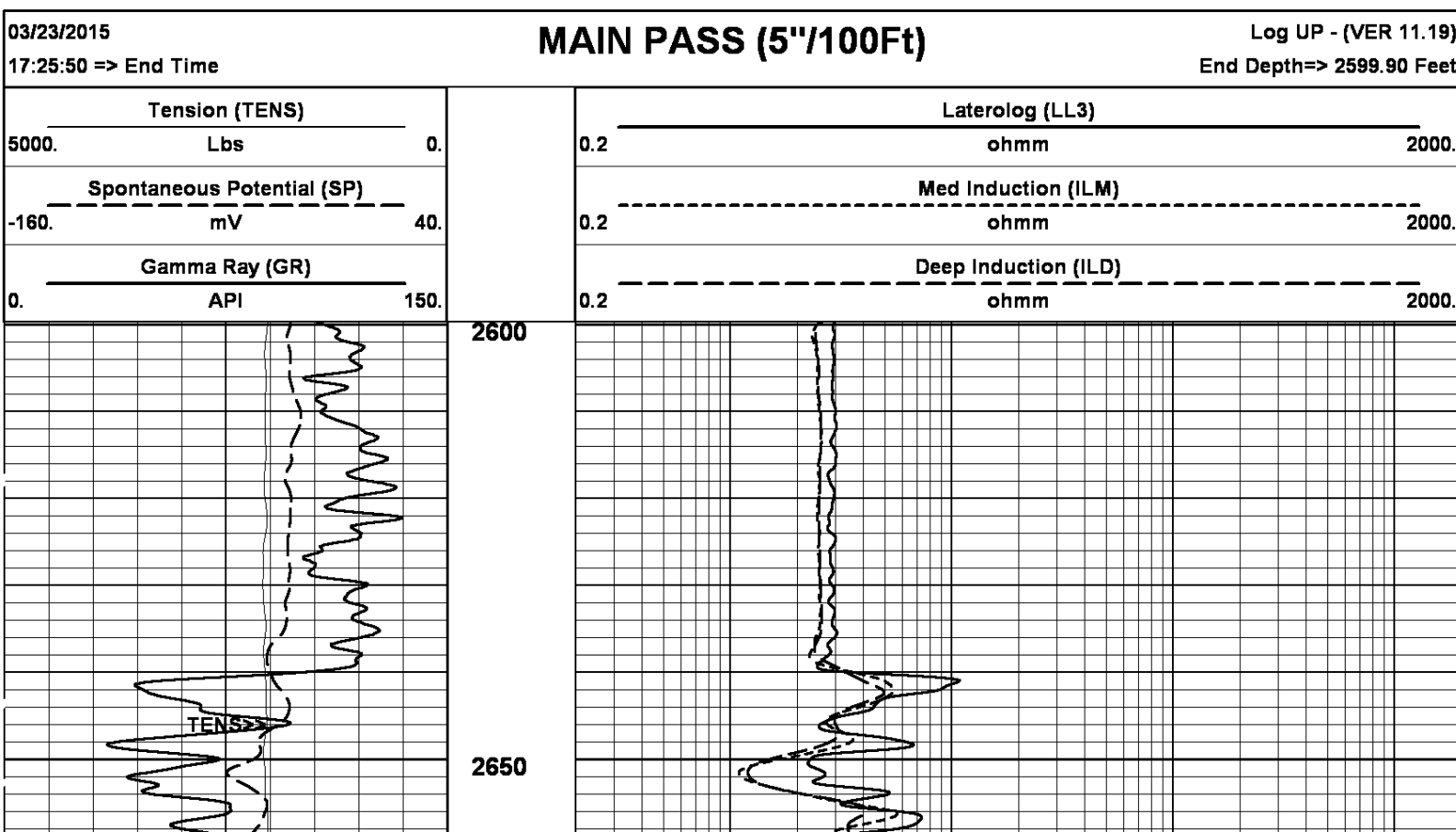
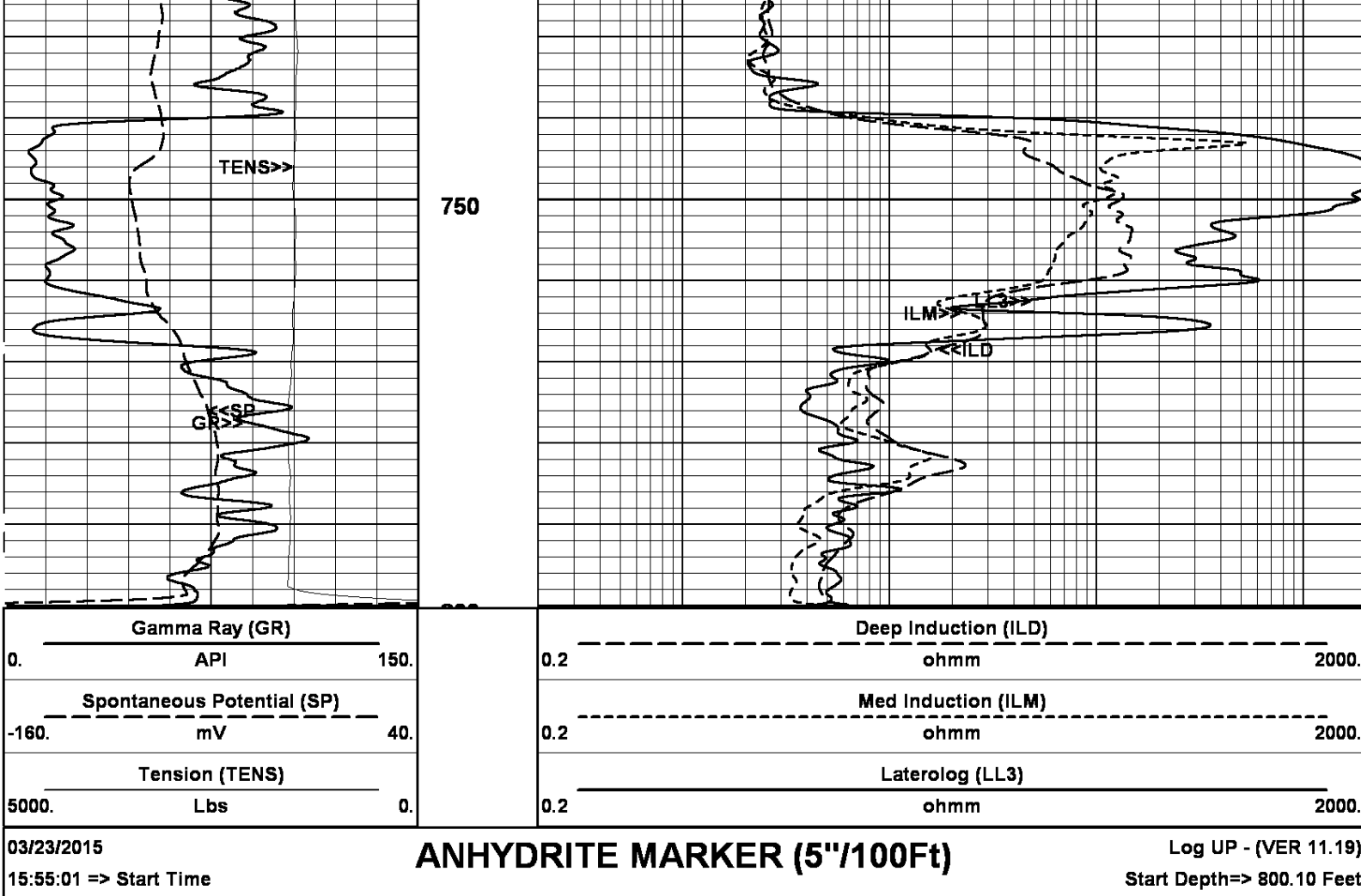


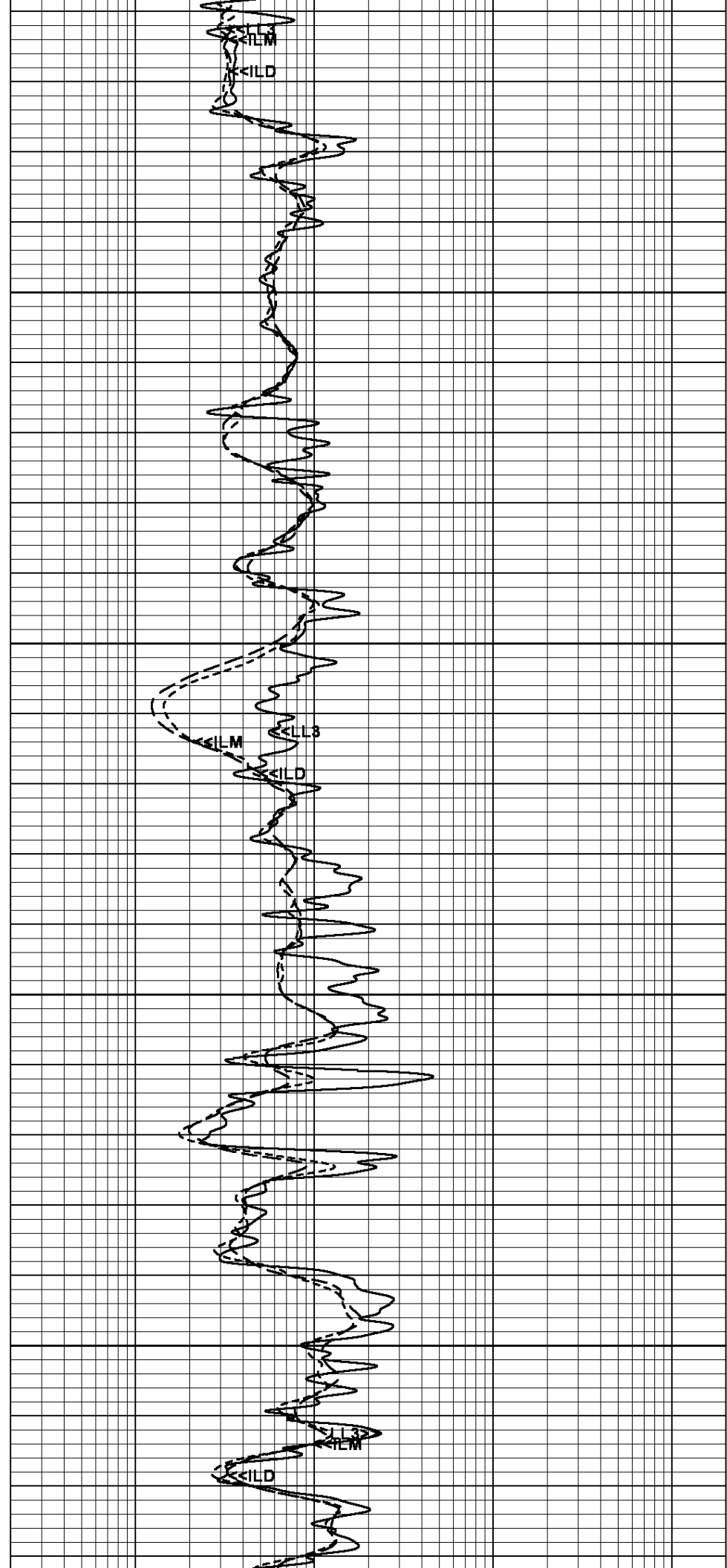
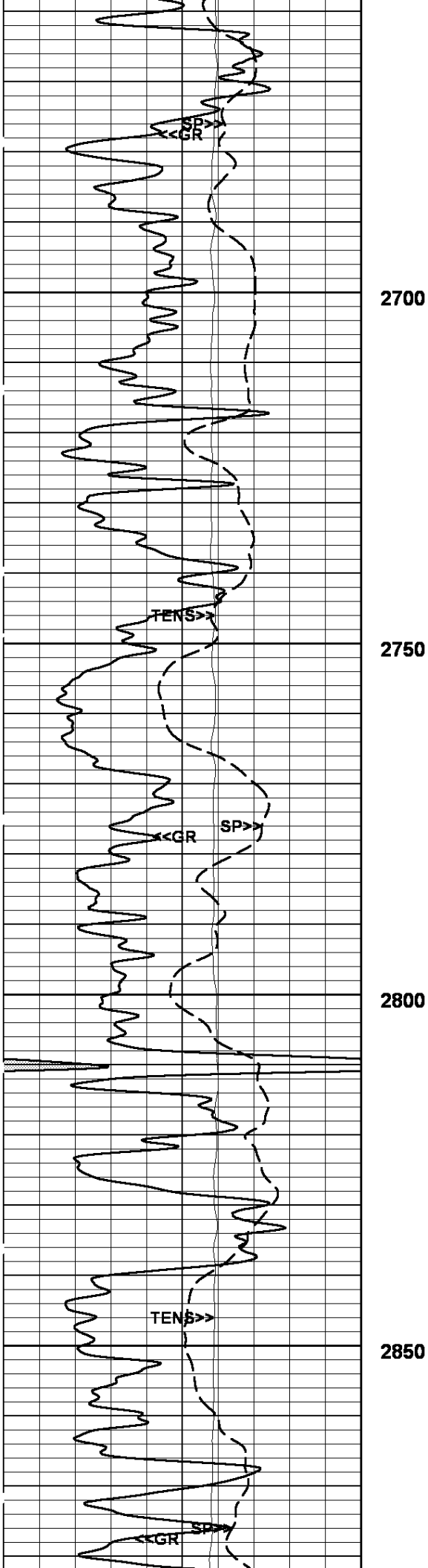


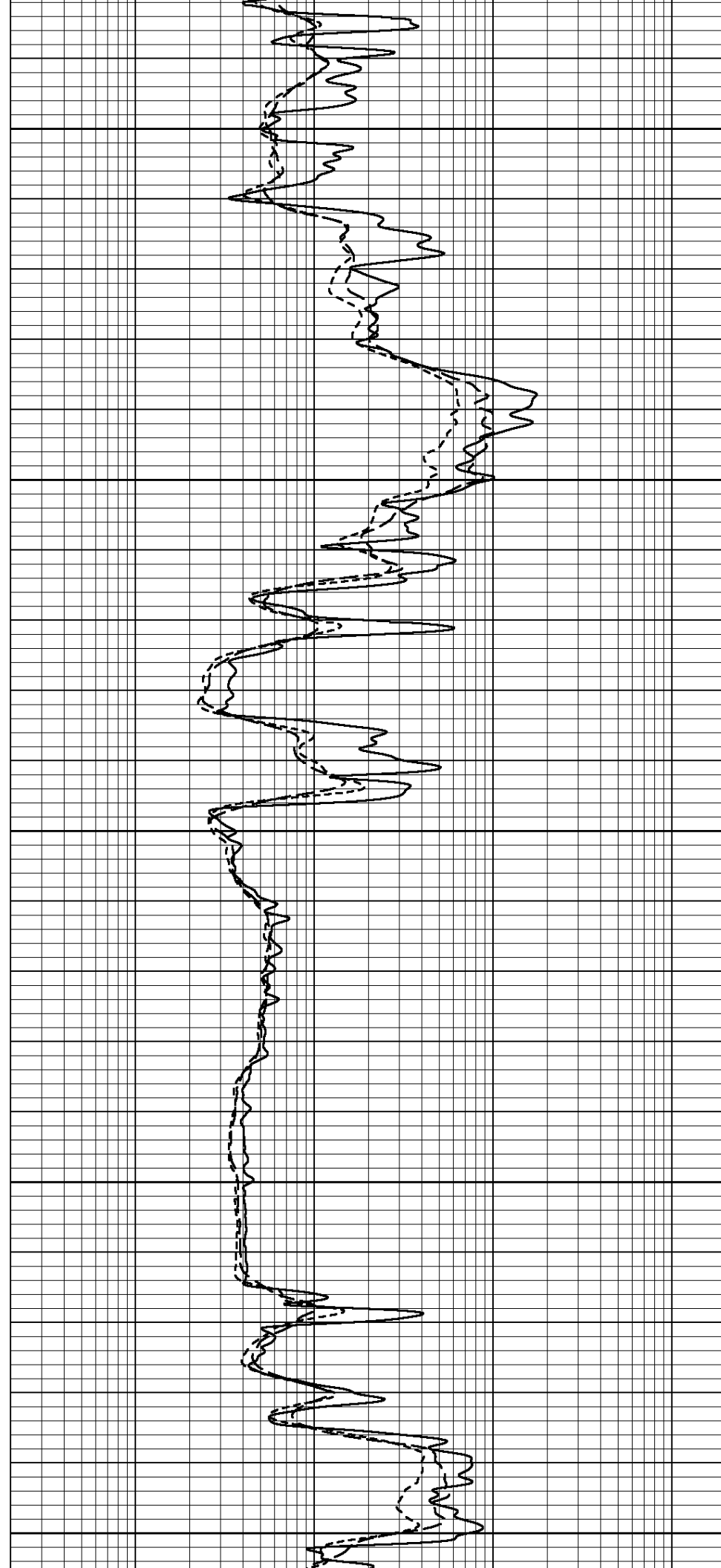
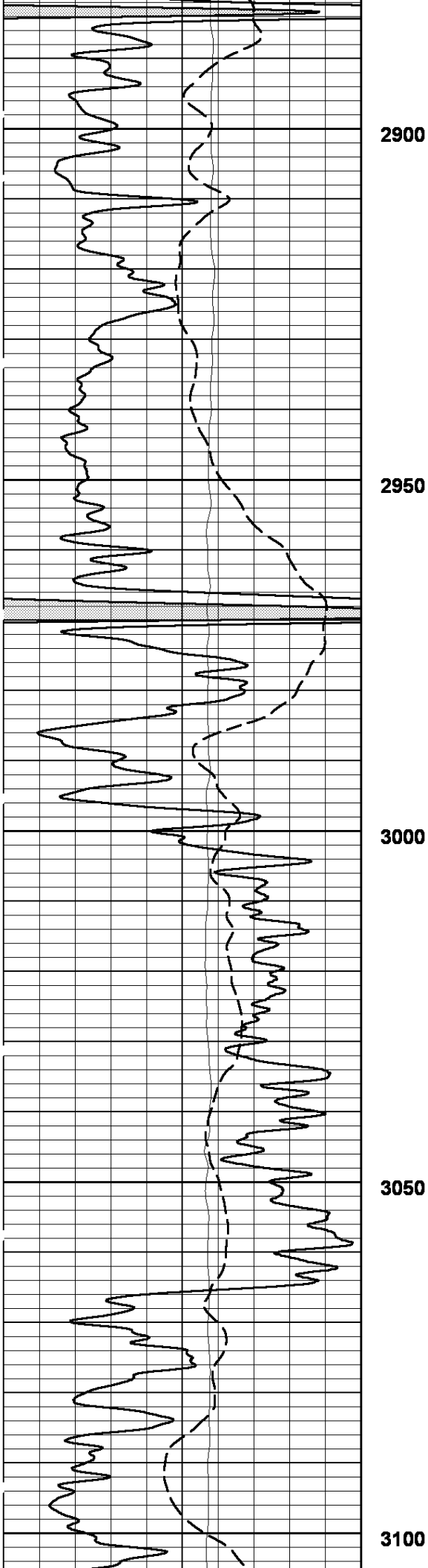


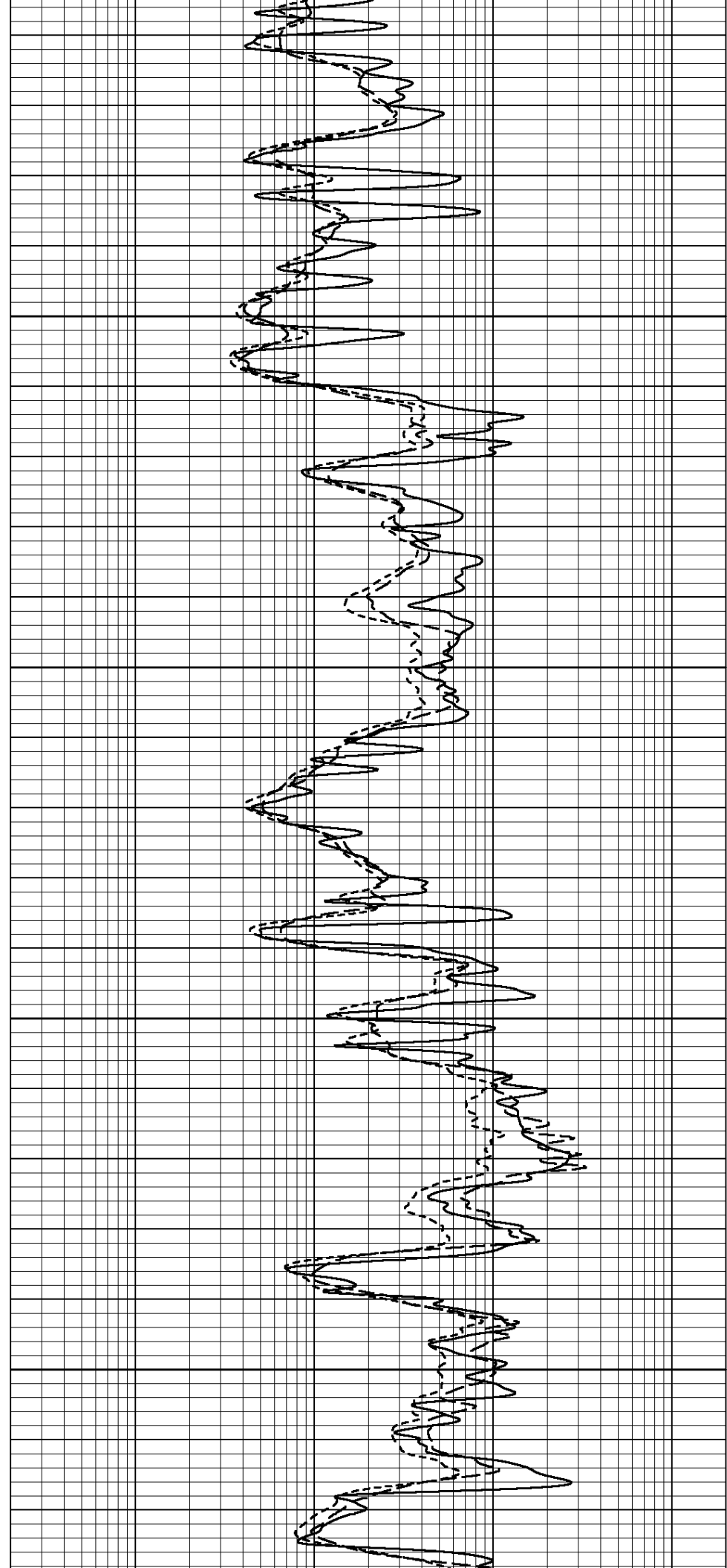
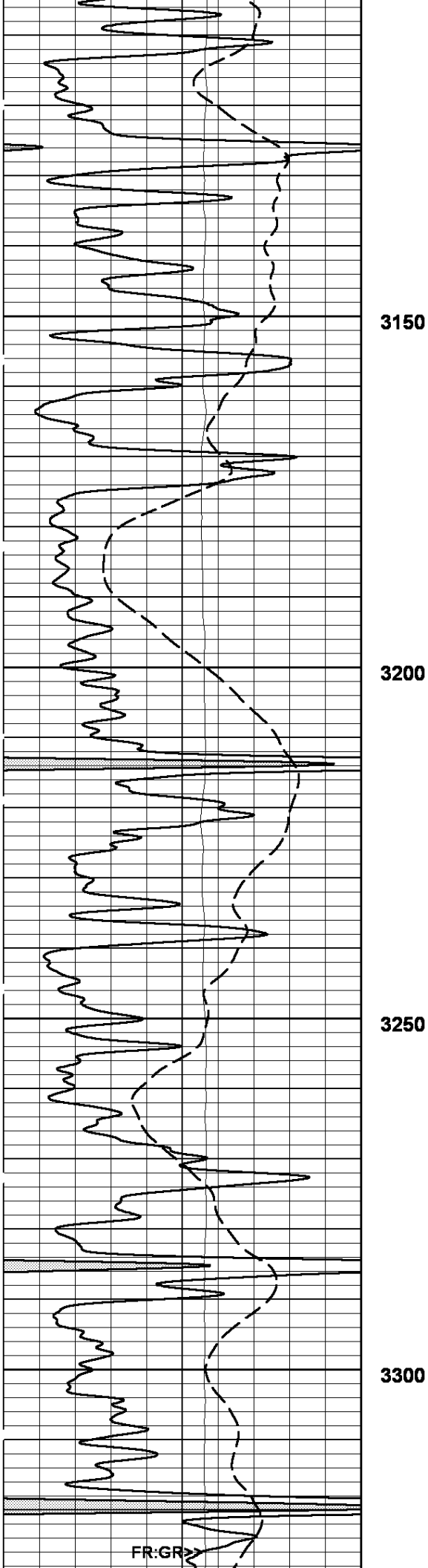


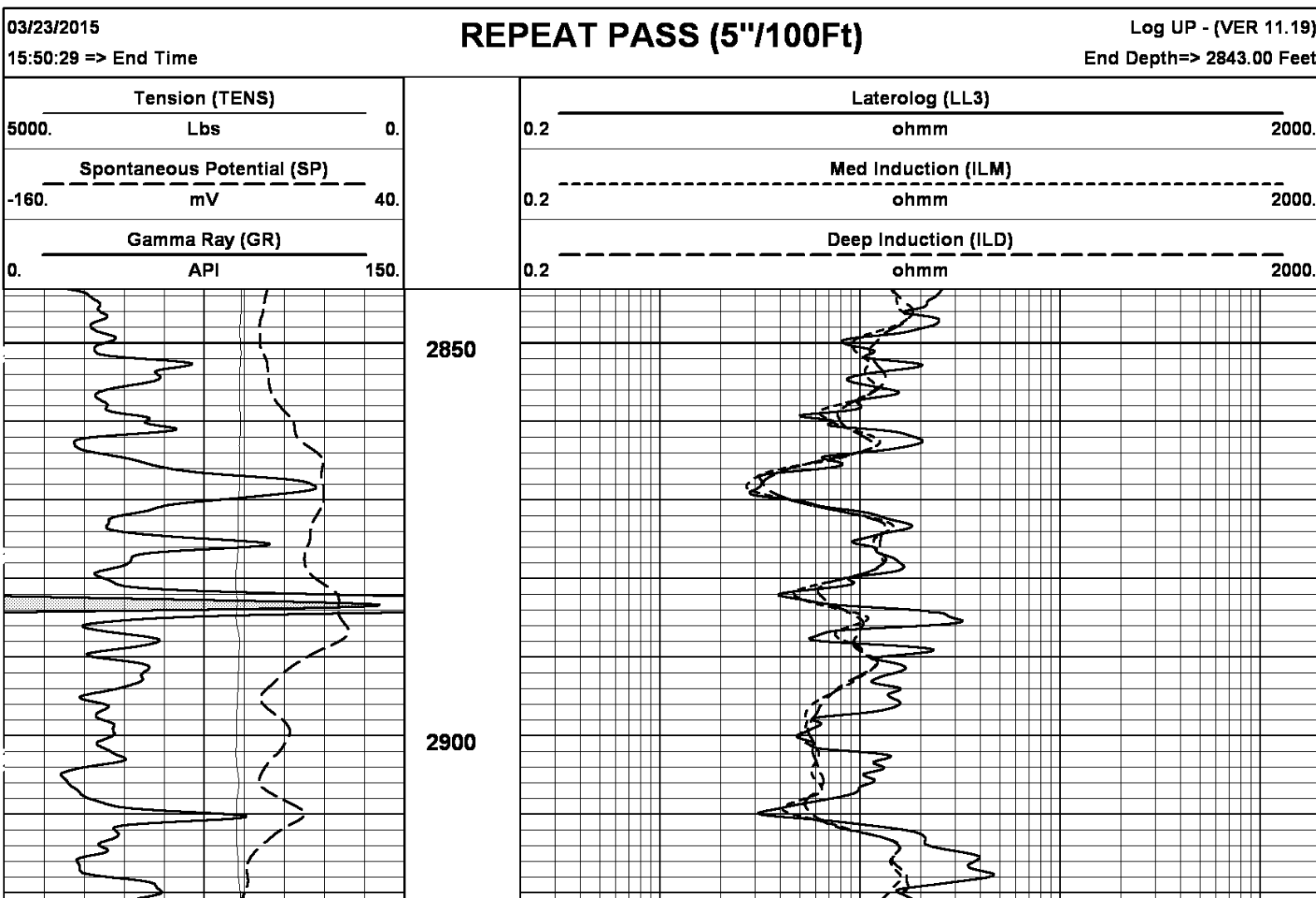
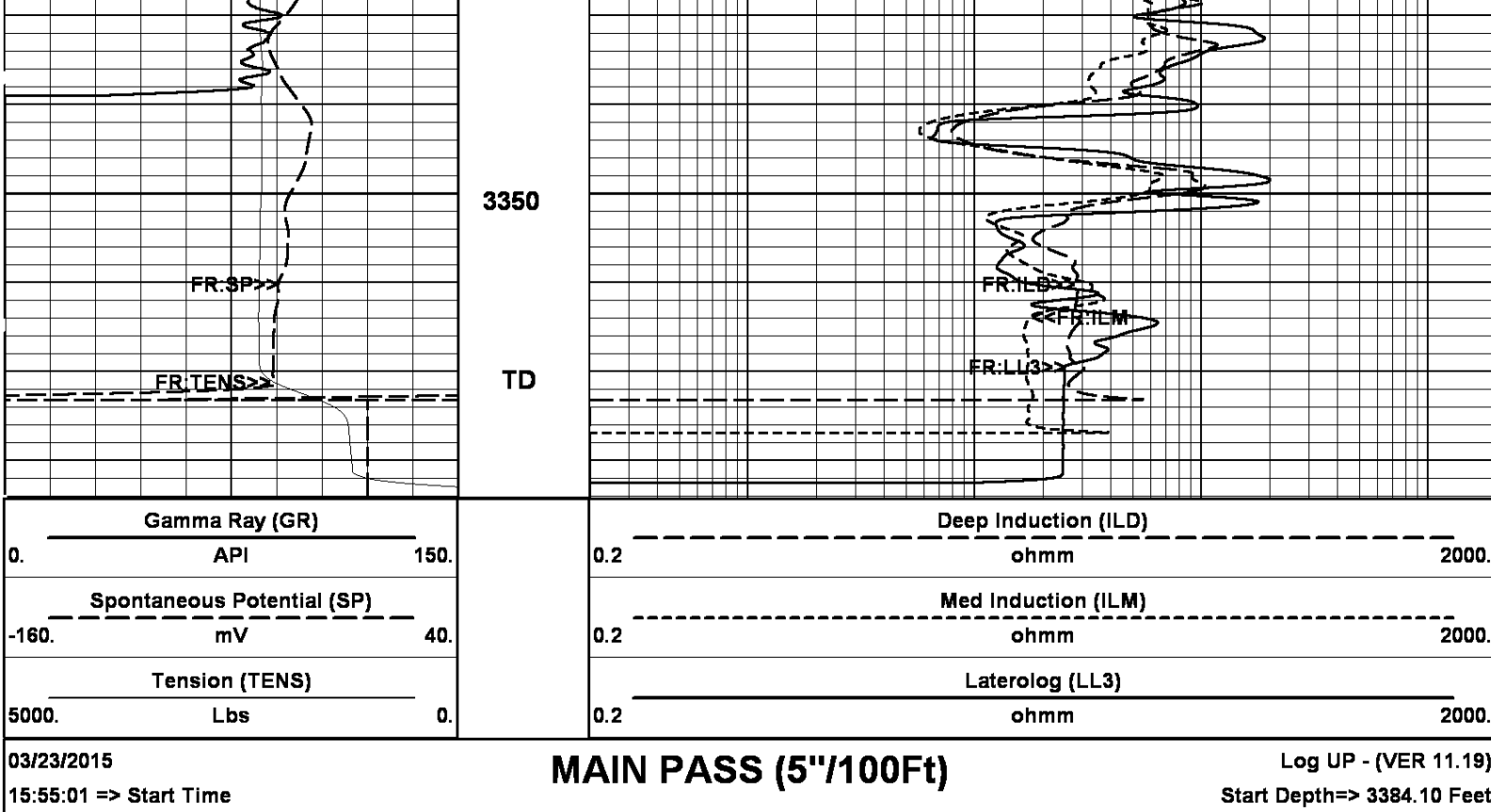


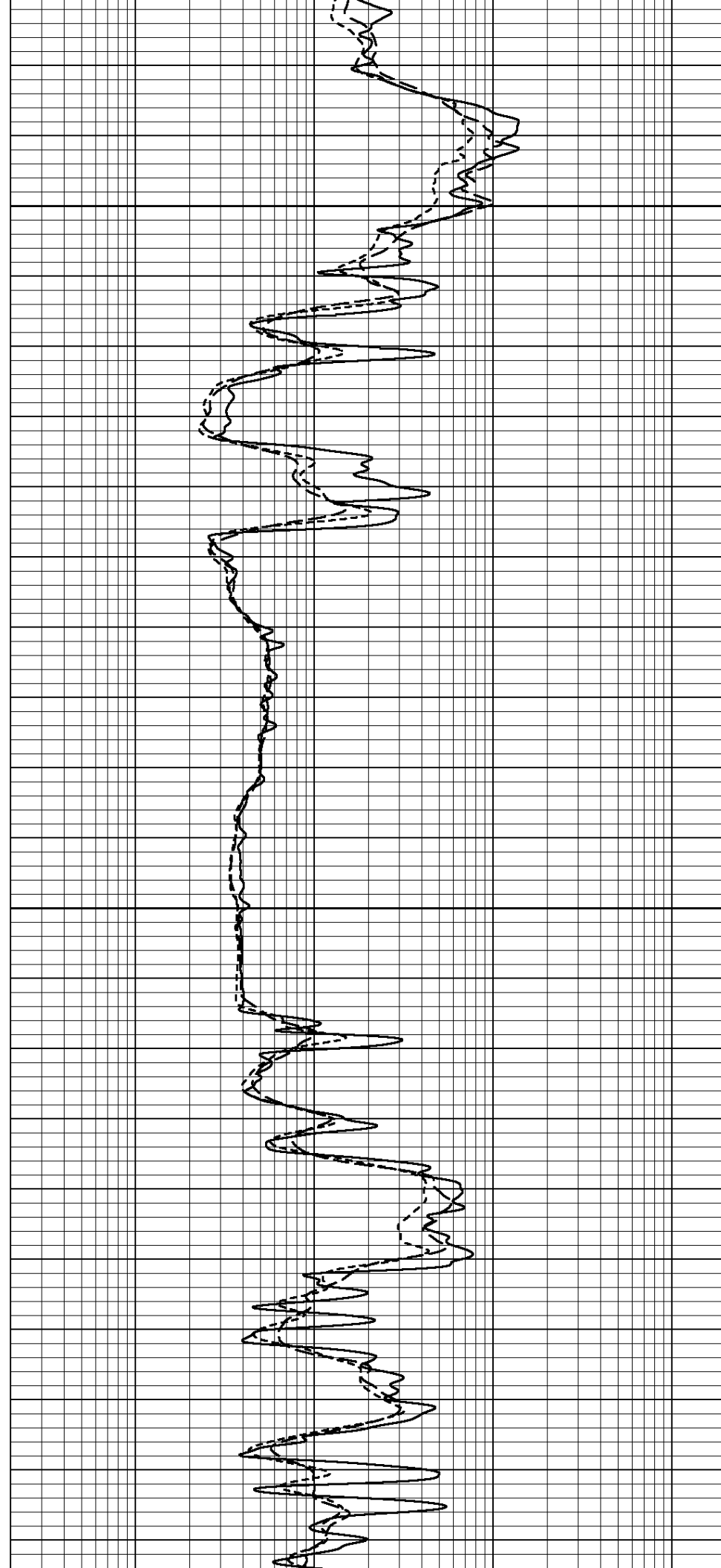
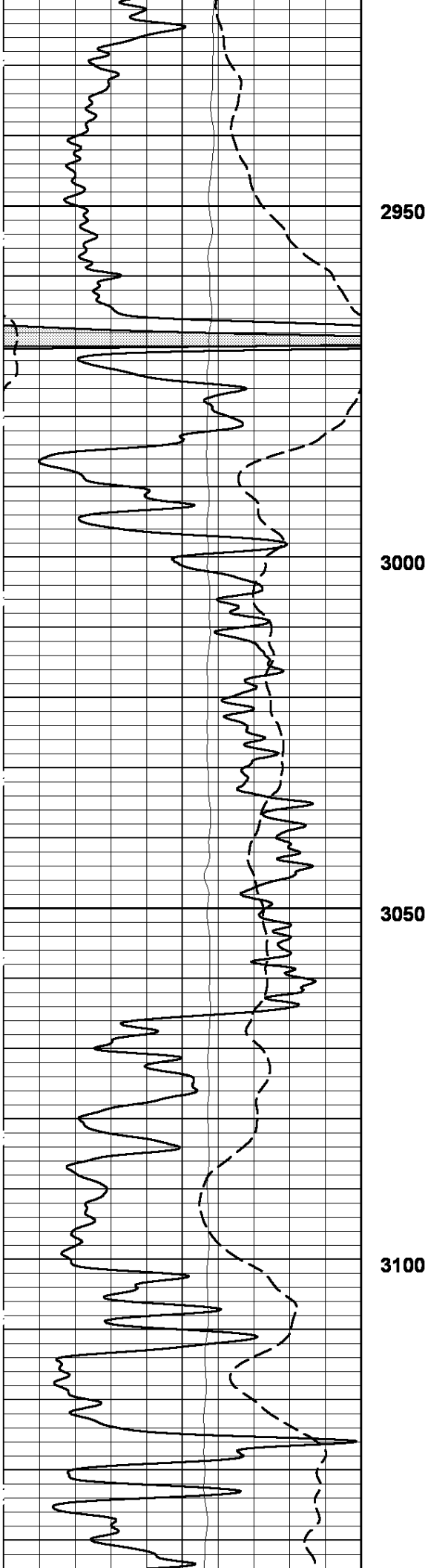


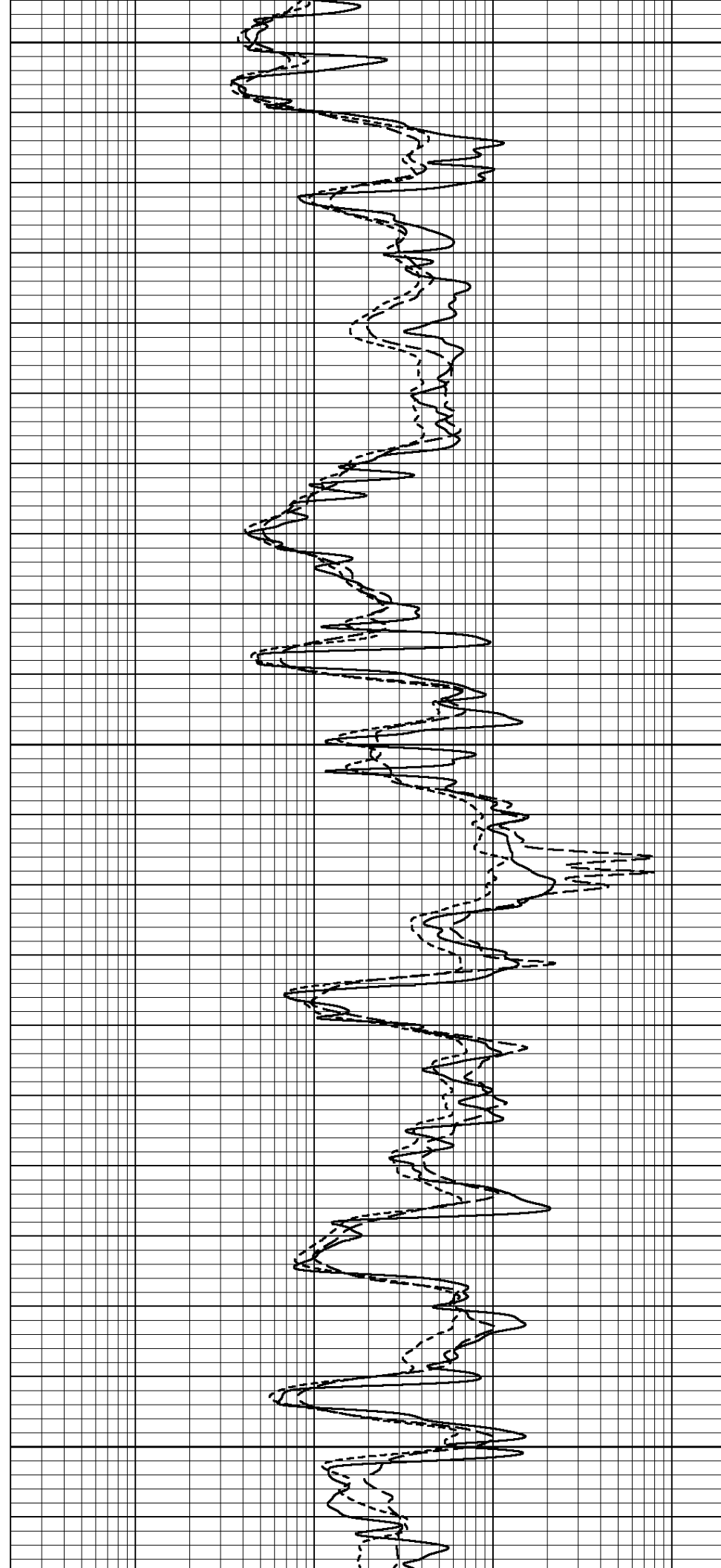
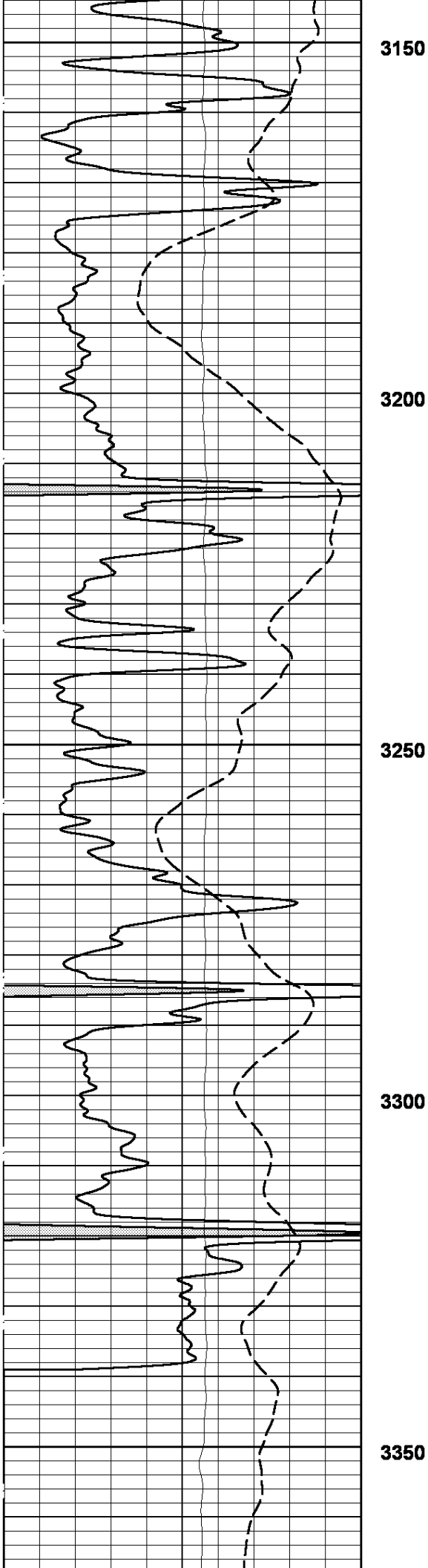


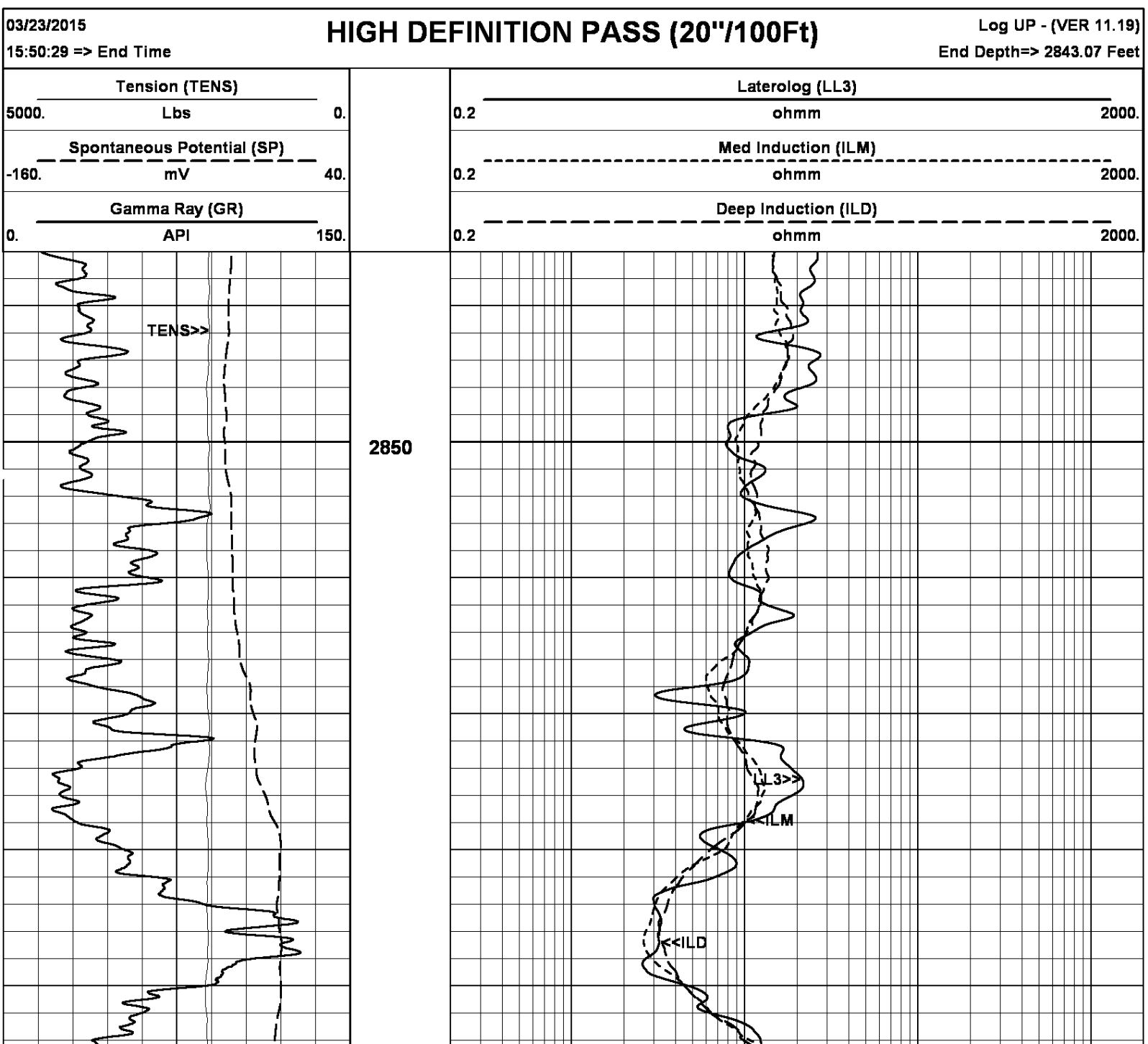
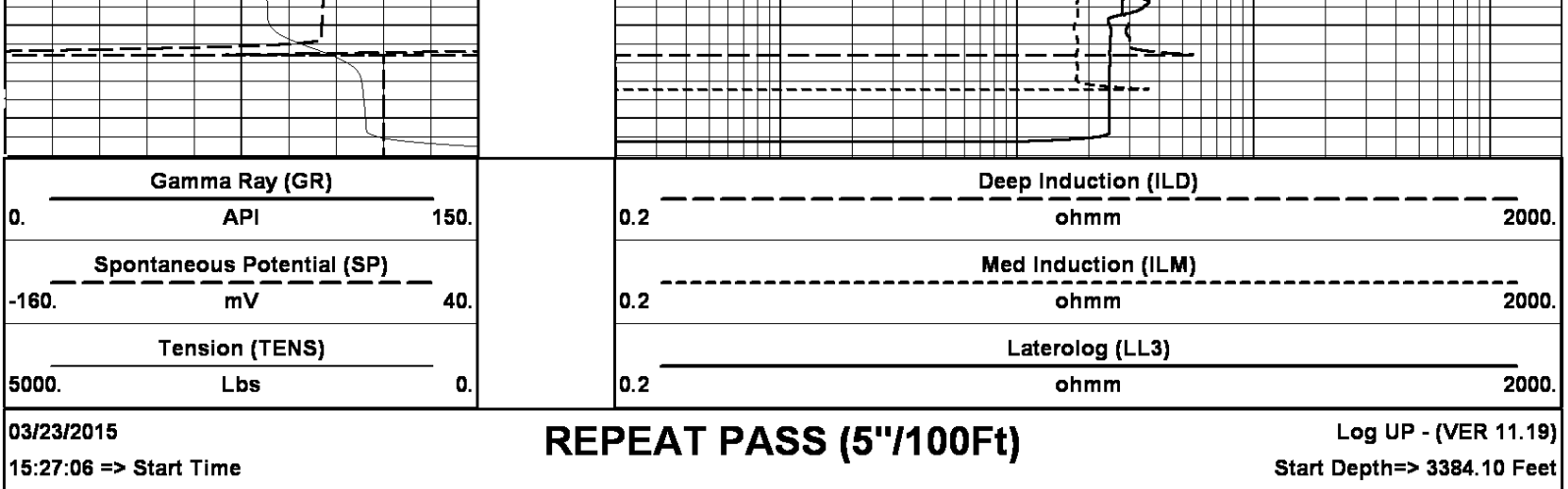


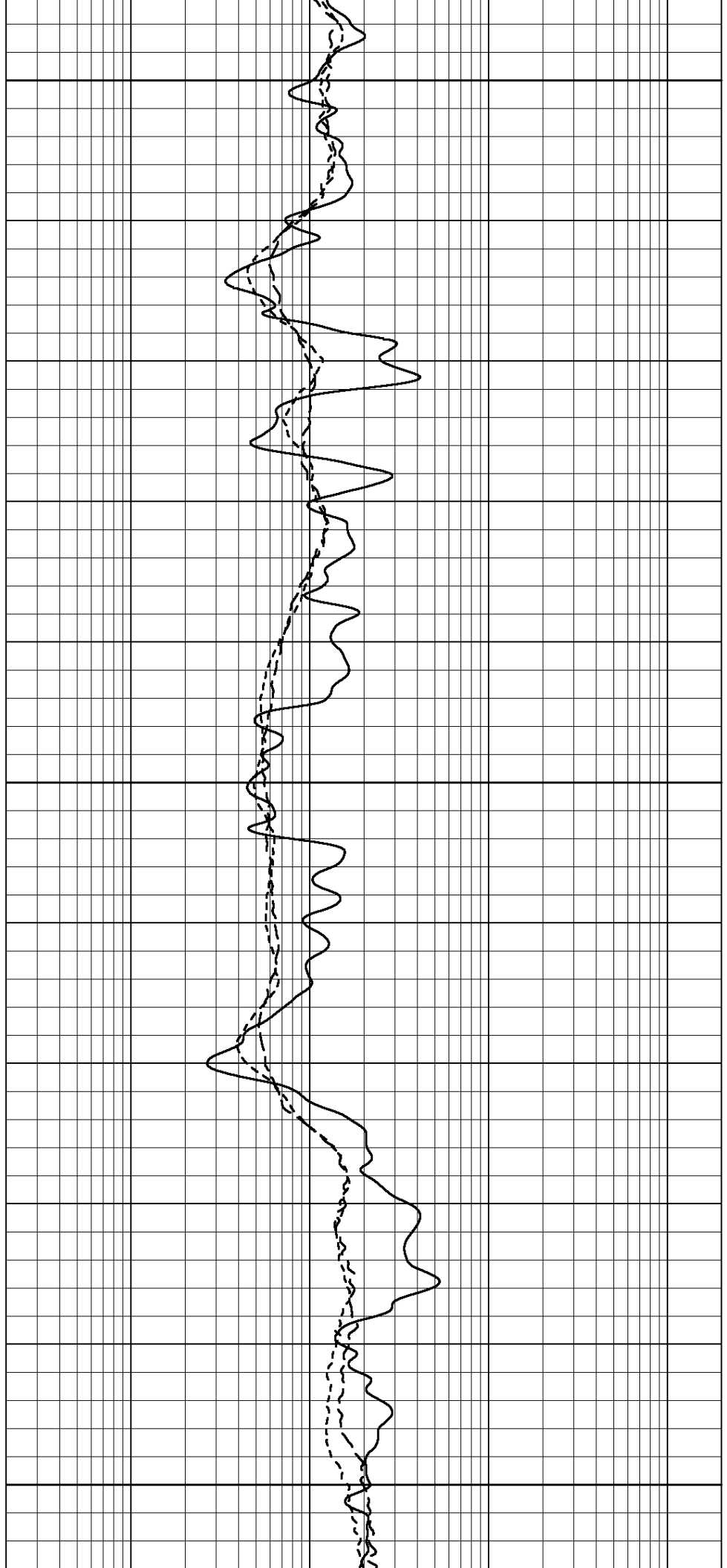
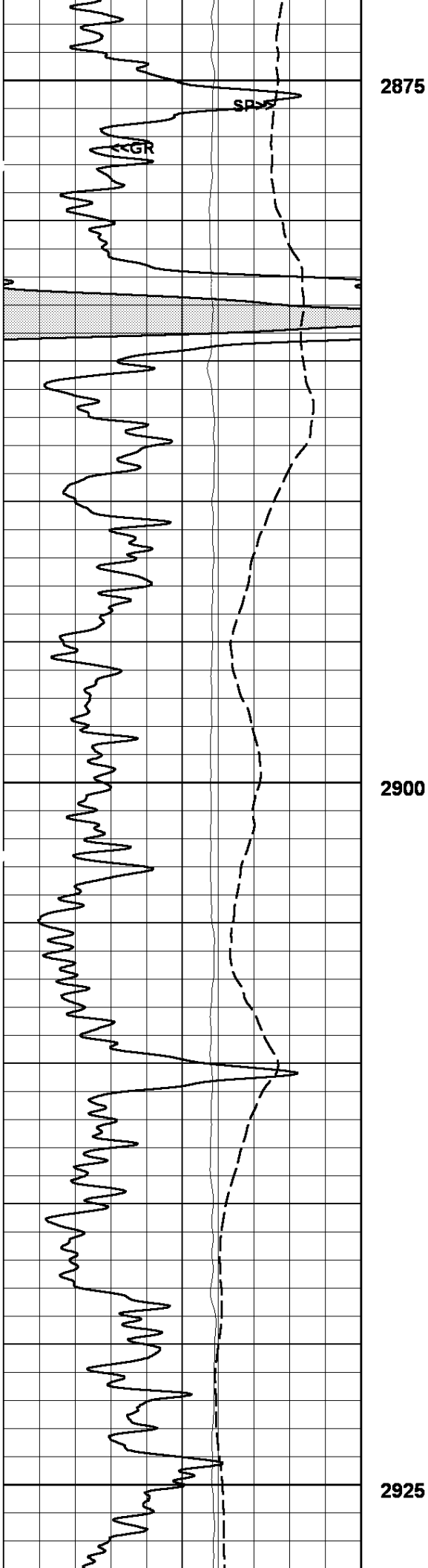


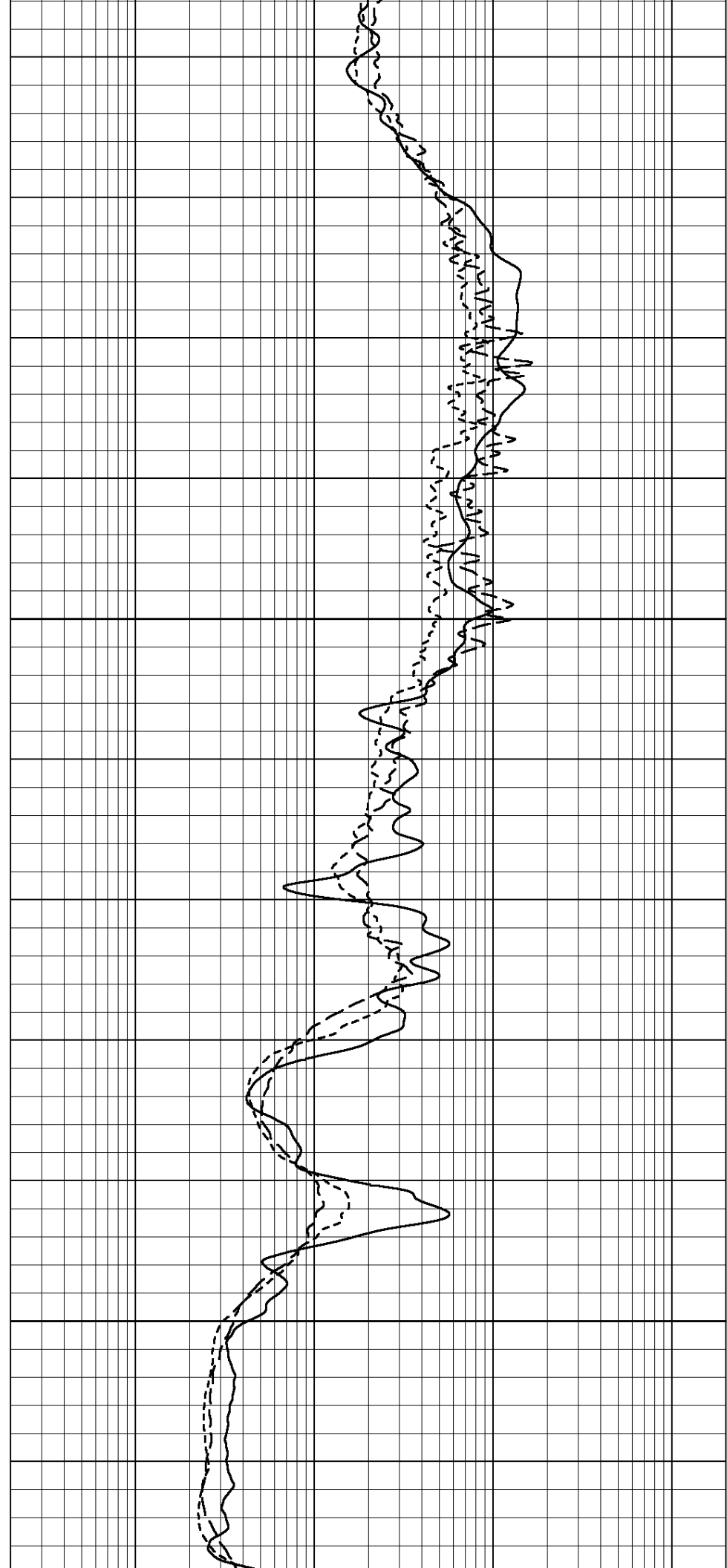
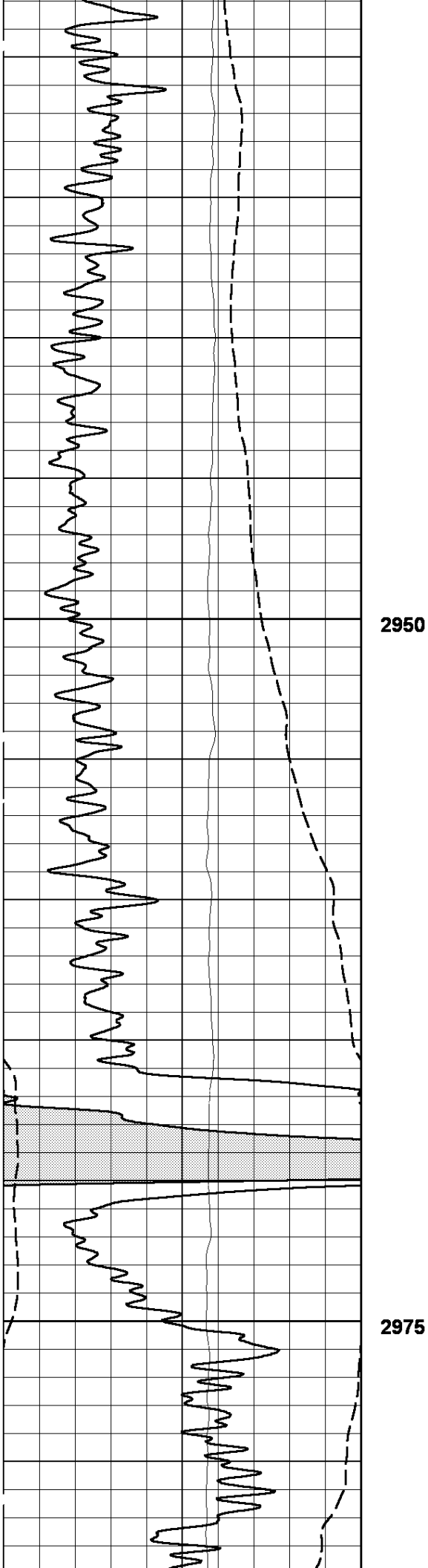


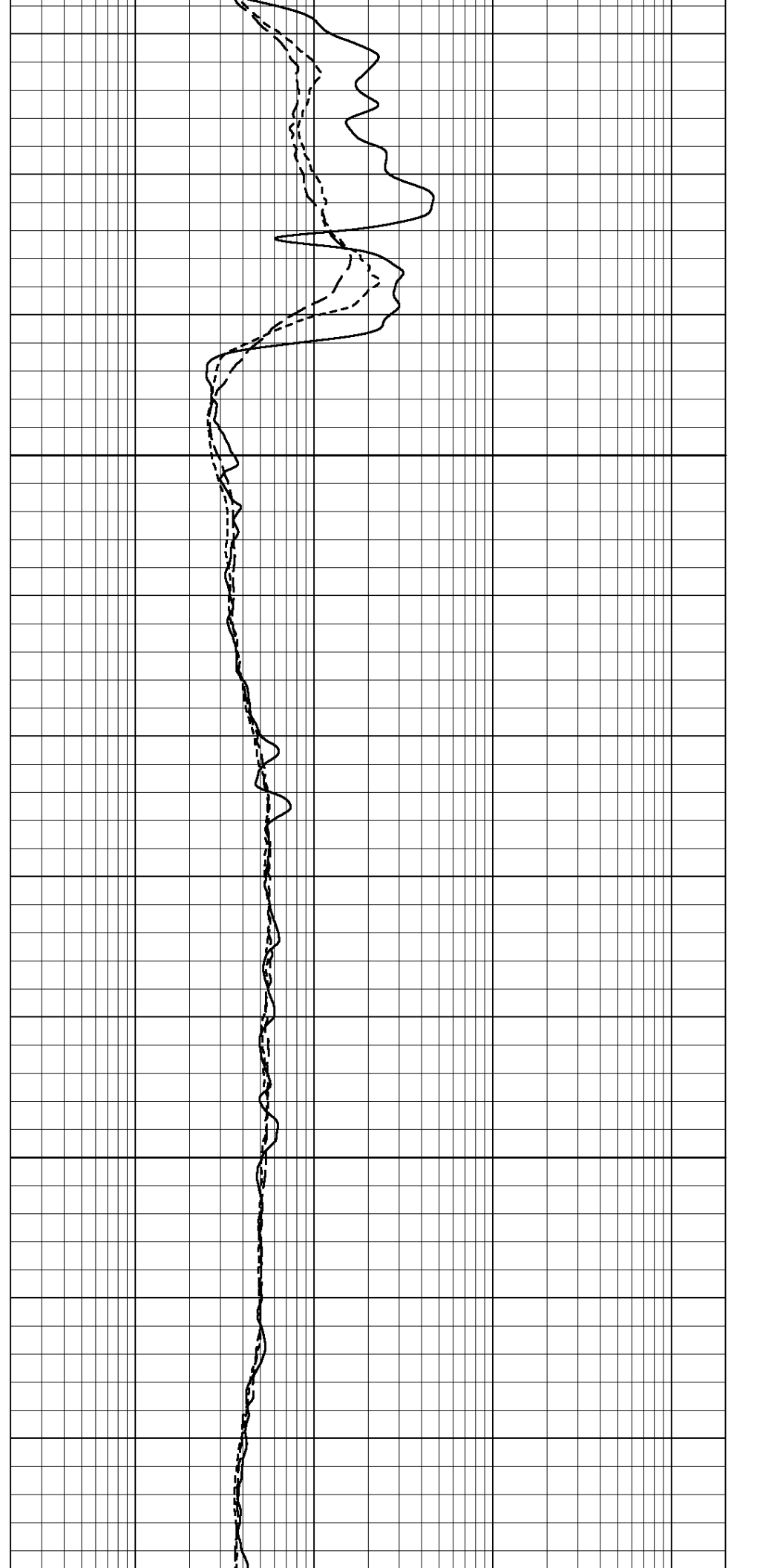
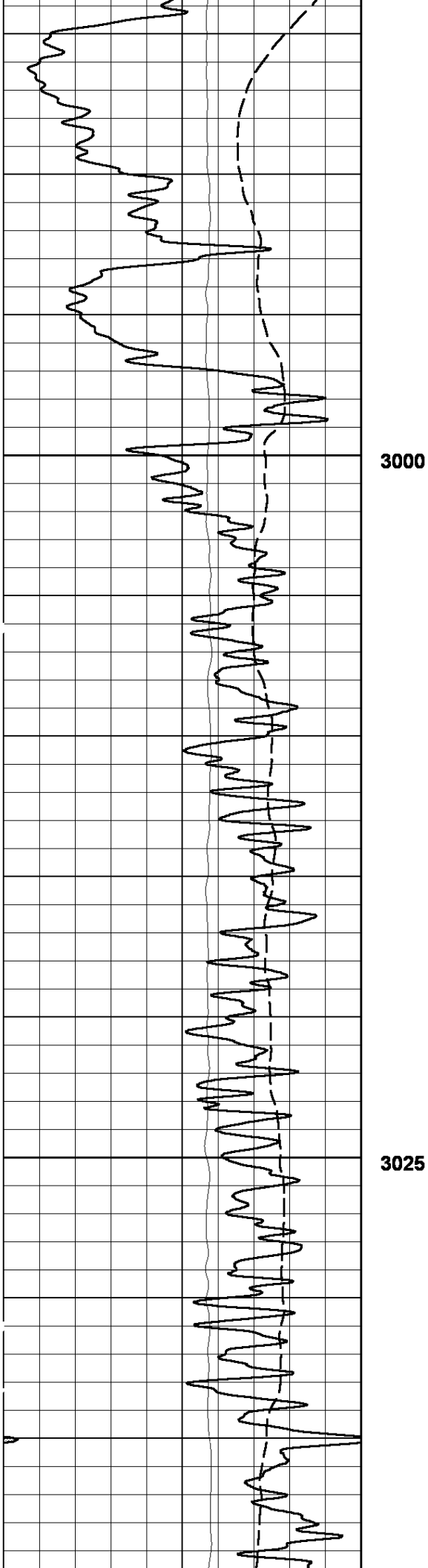


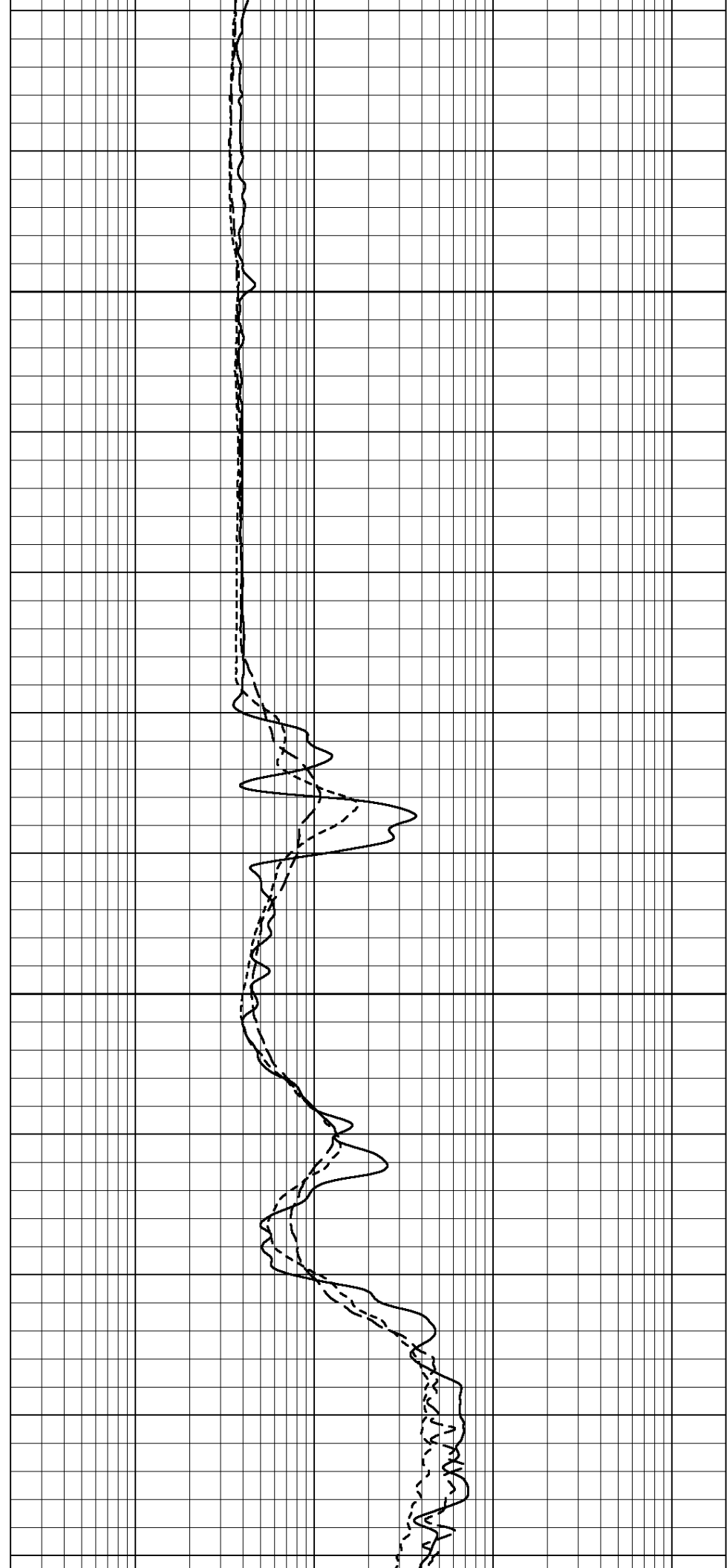
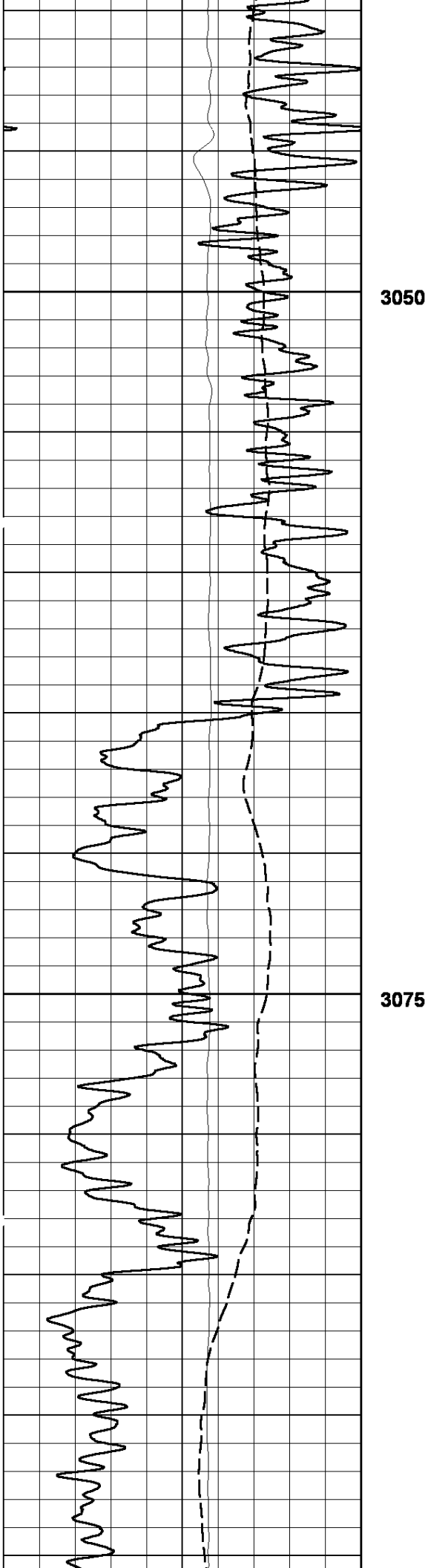


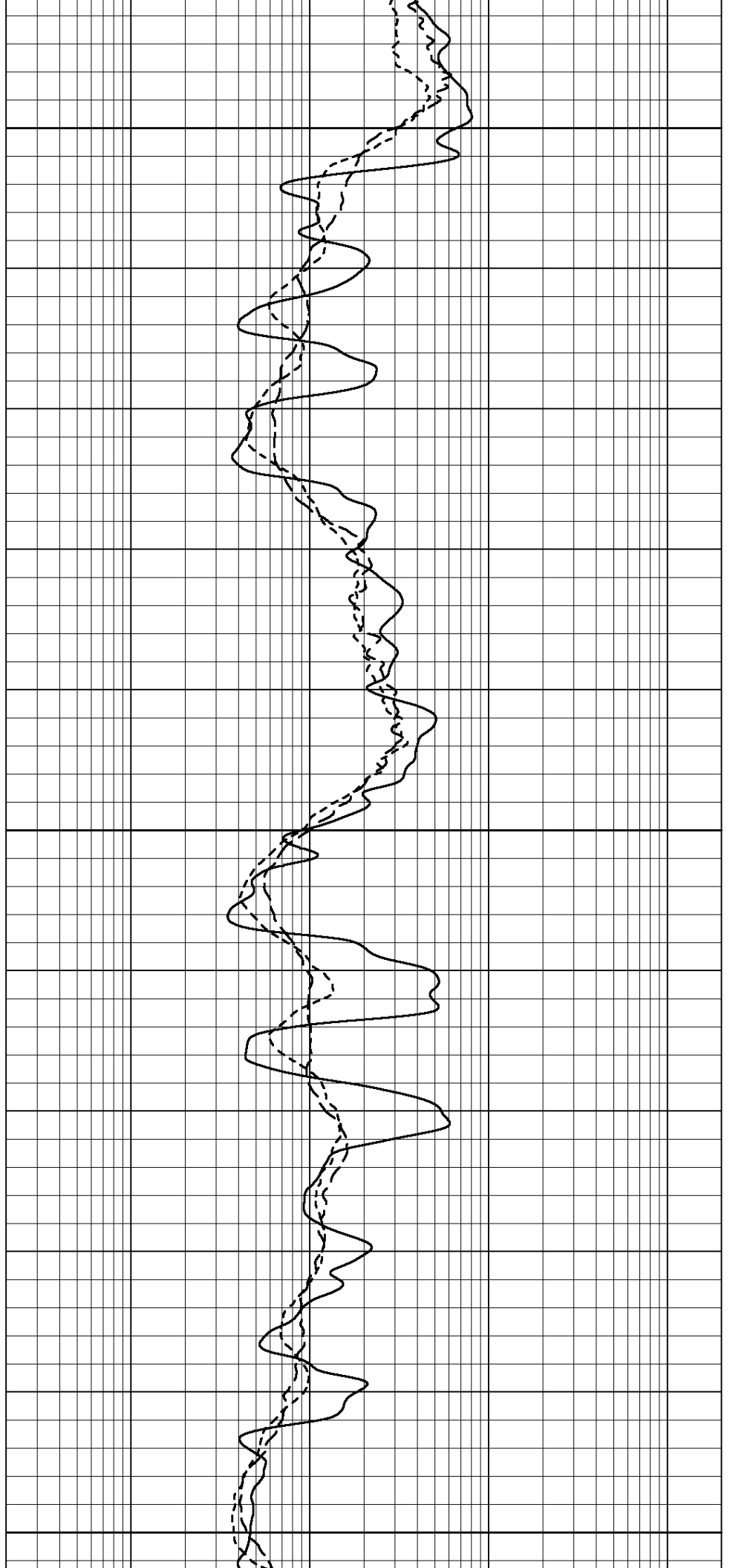
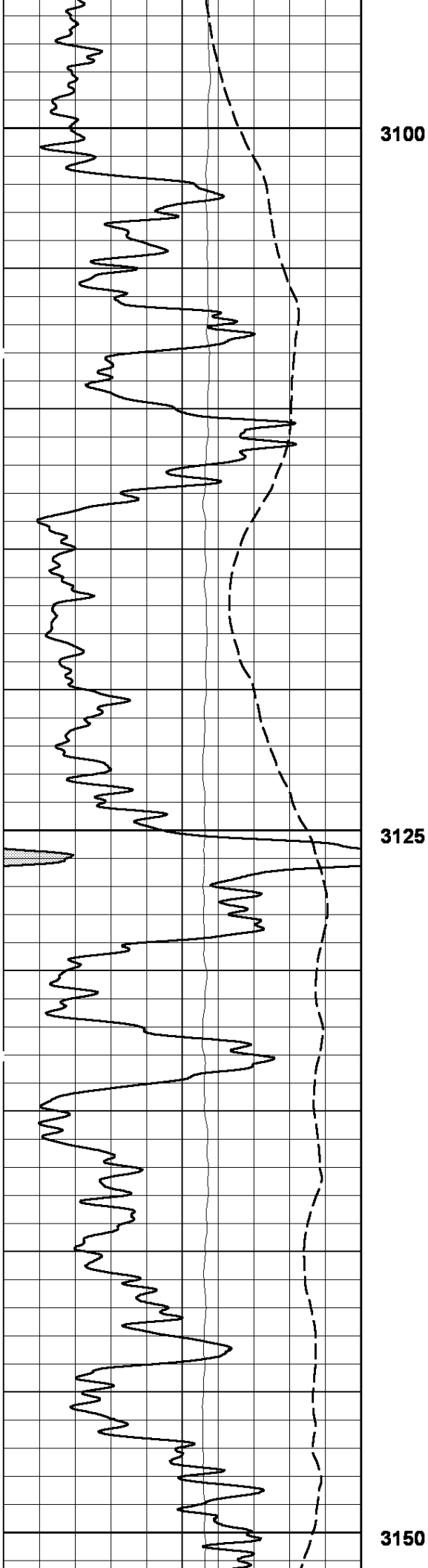


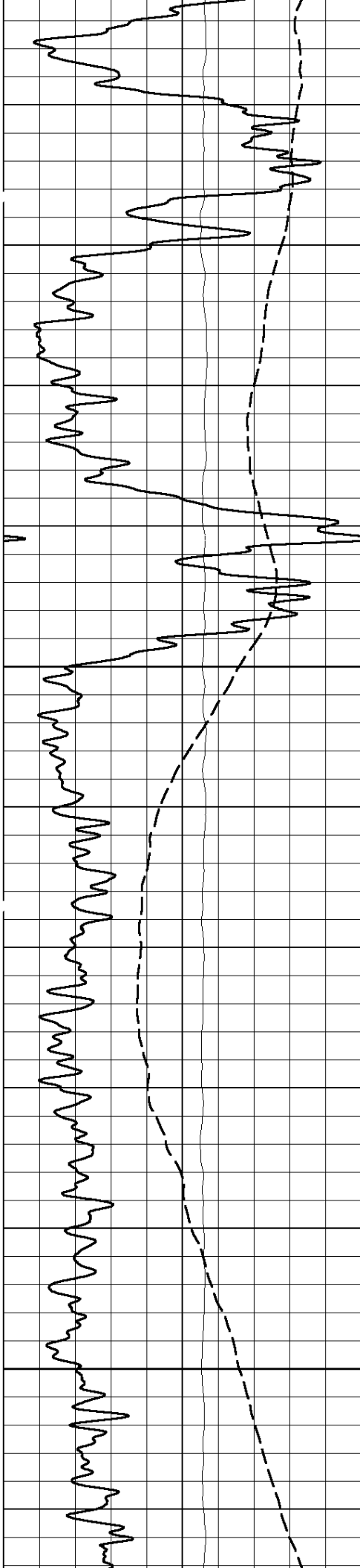






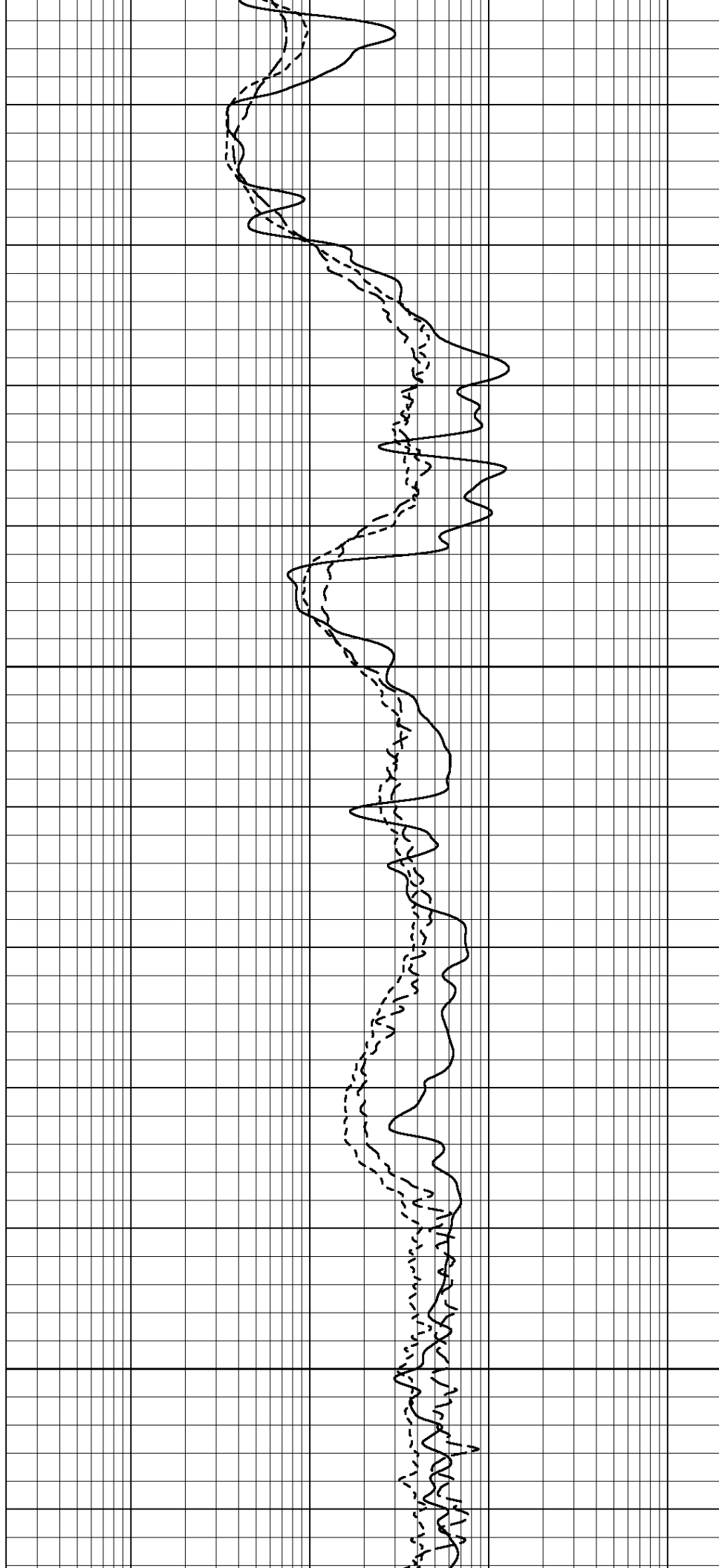


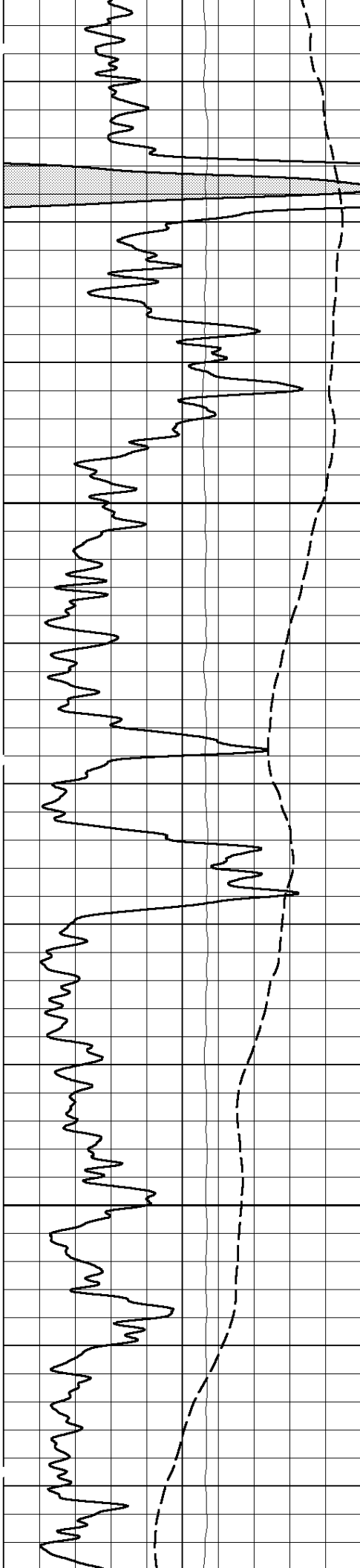




3175

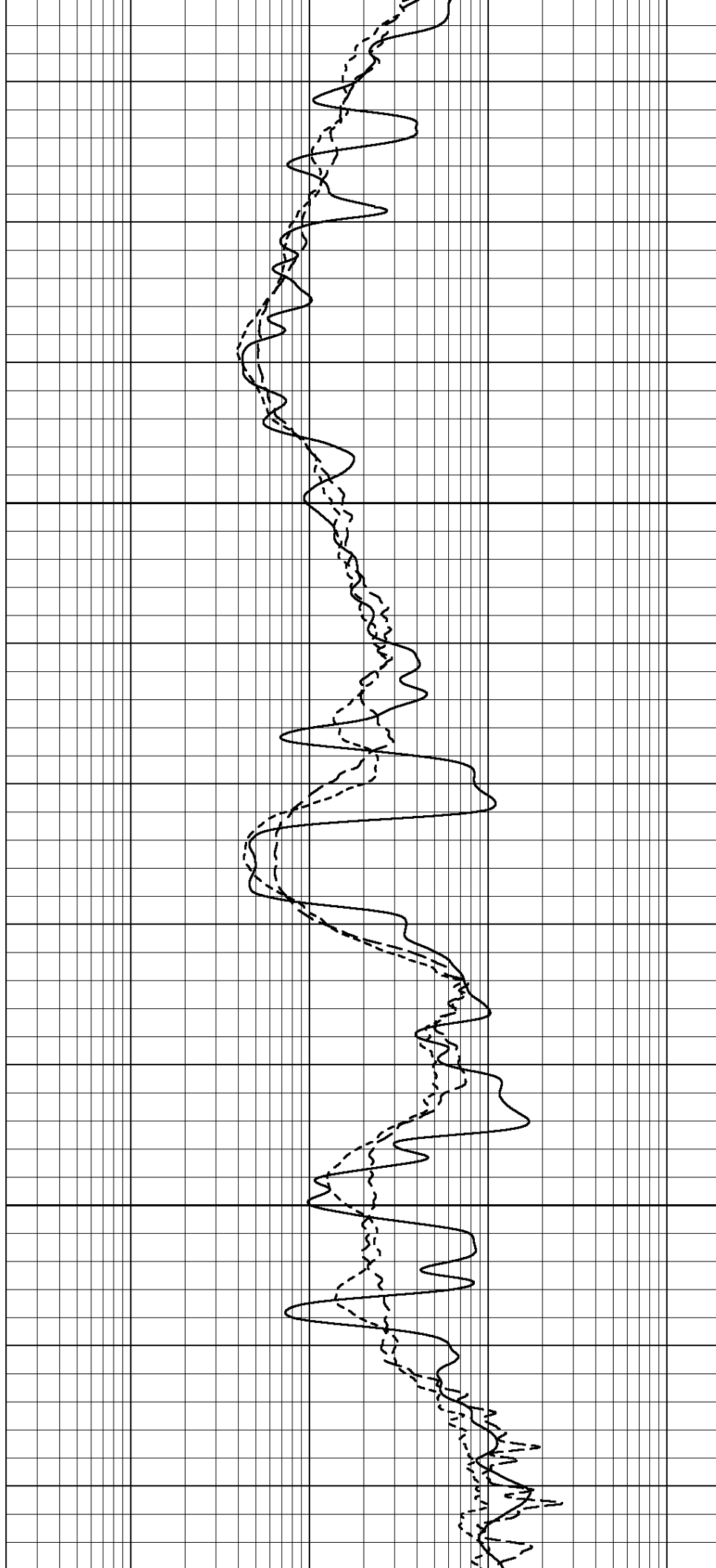
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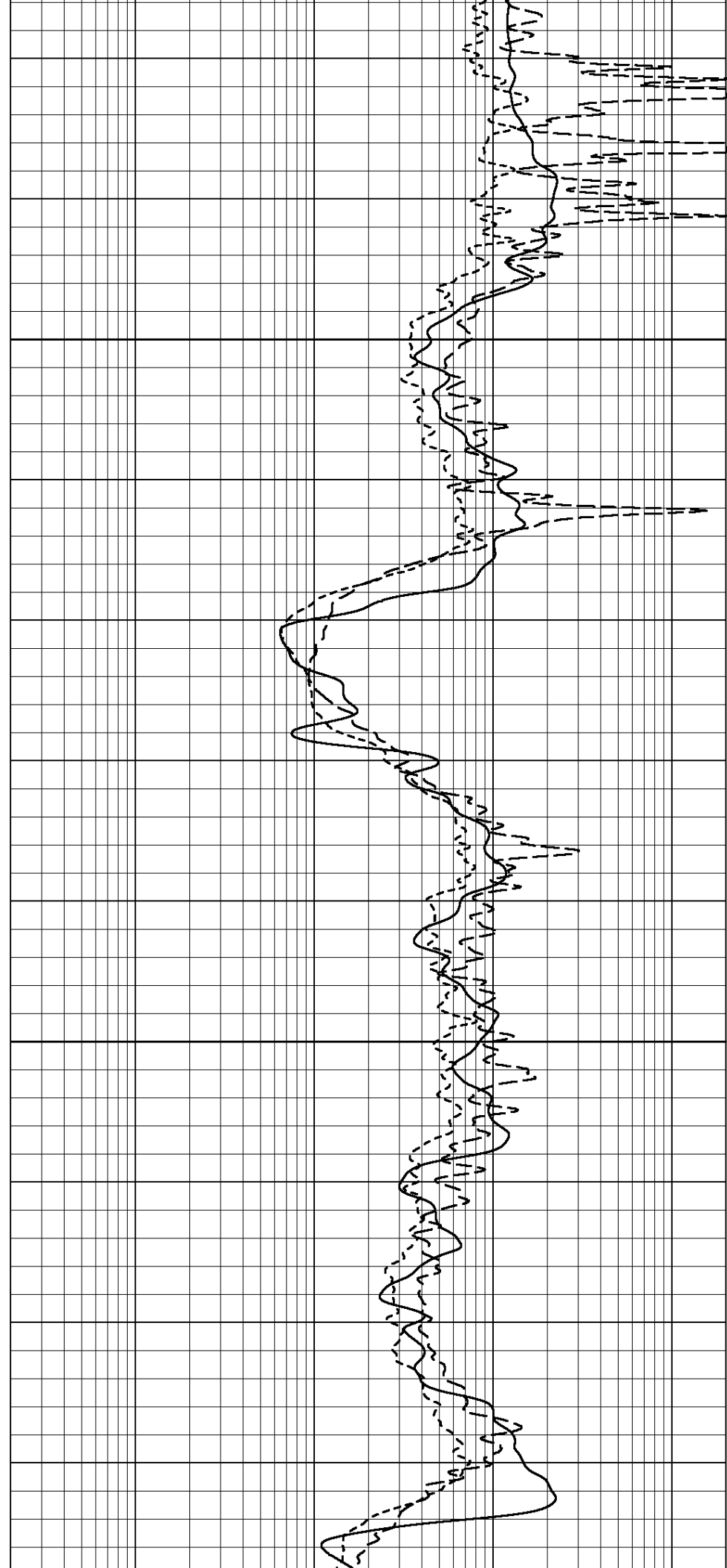
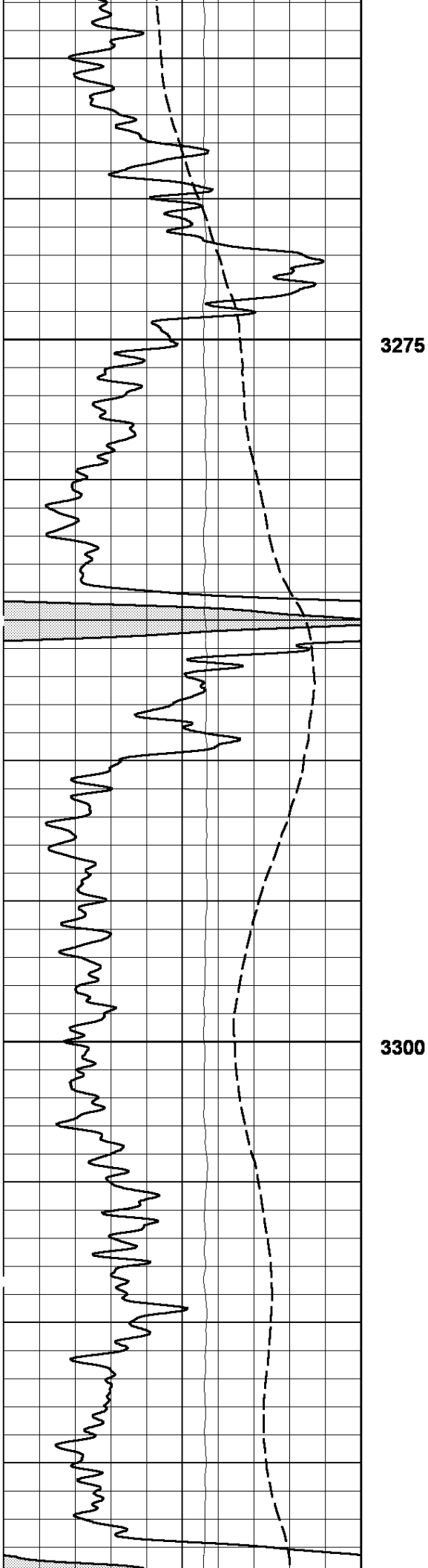


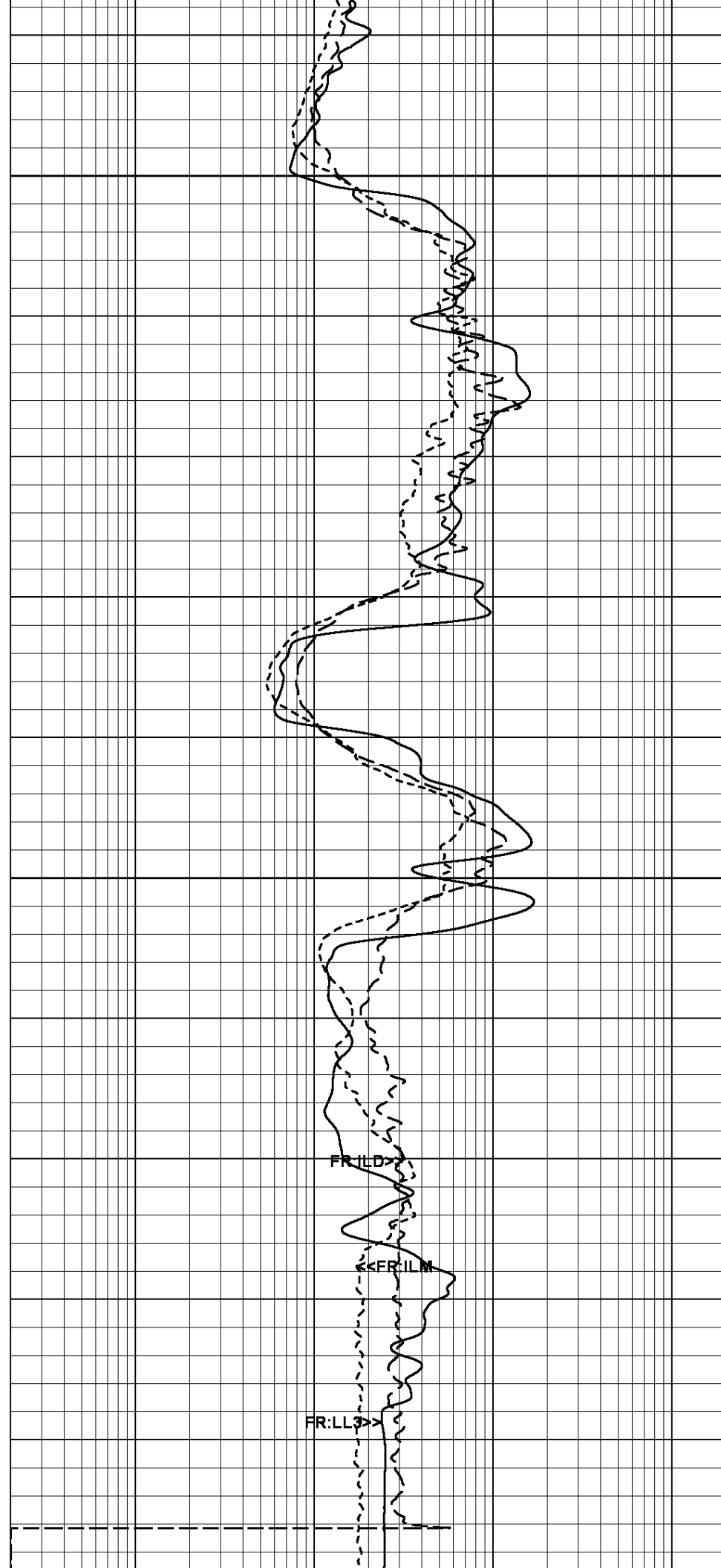
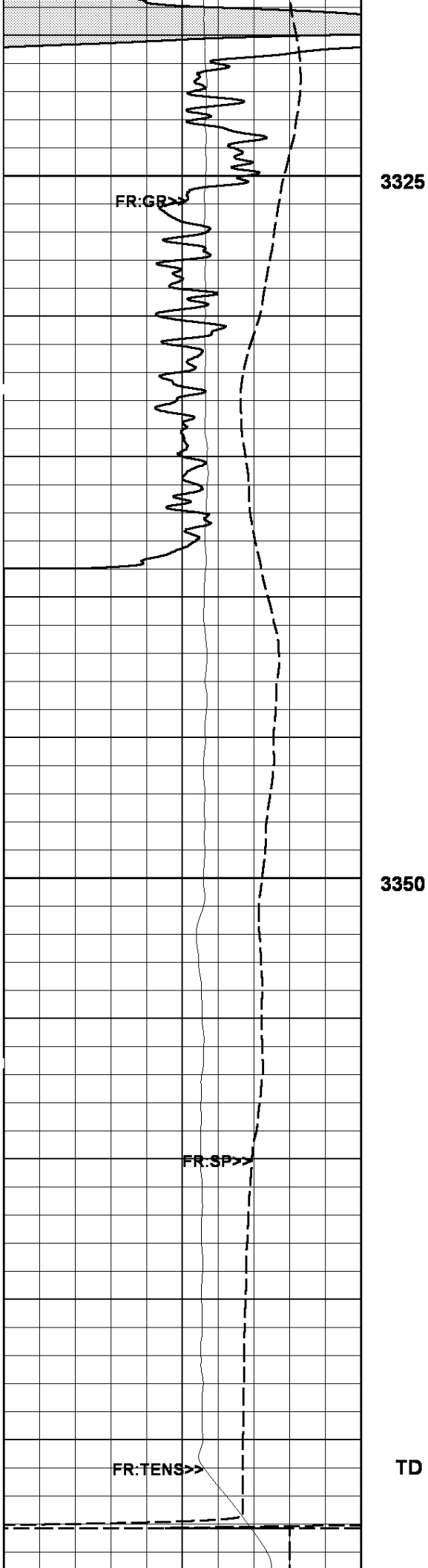


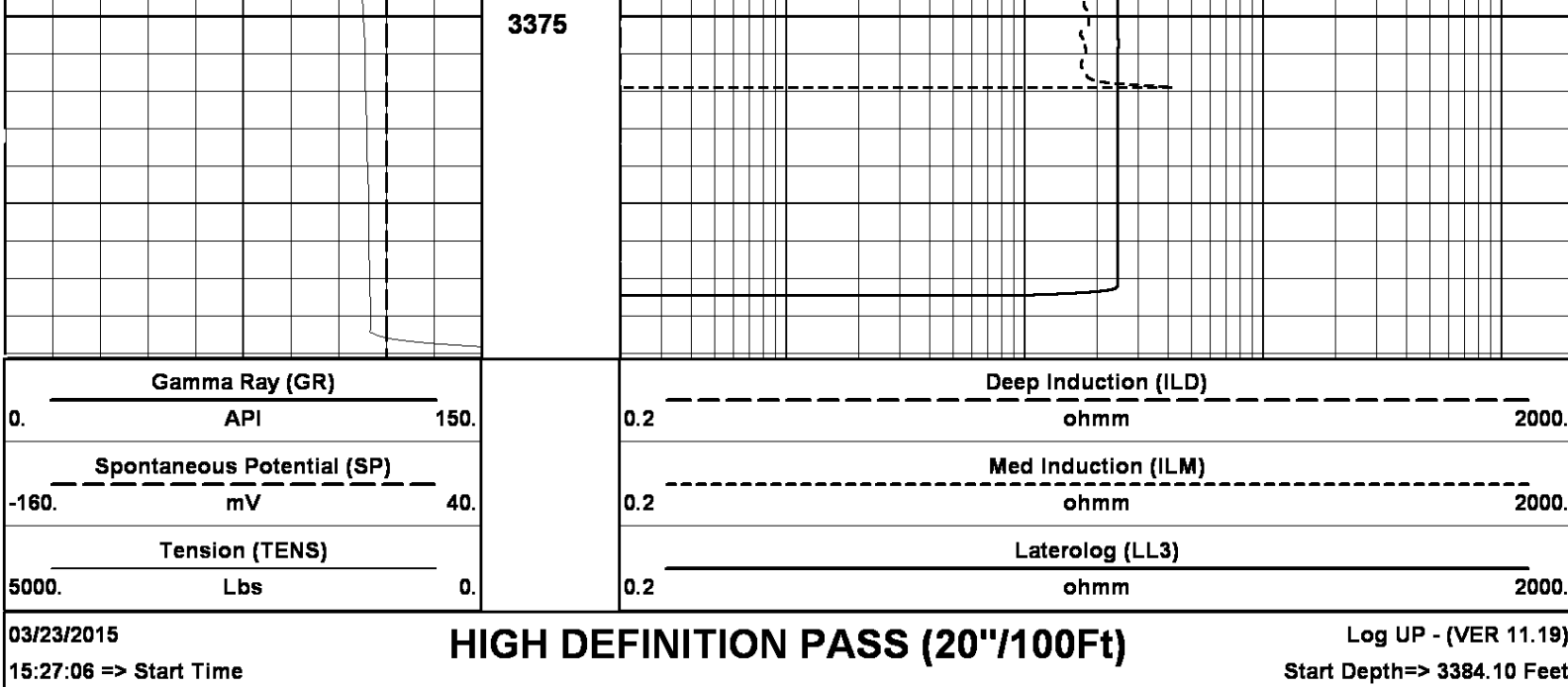
3225

3250









Induction Resistivity / Conductivity Calibrations

TOOL TYPE
SERIAL NUM

Slim Hole Induction
RD1009

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	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)	M/D/Y> 3/20/2015	H:M:S> 12:48:2
	2.000		500.000		8.925	2460.959		

WELL SITE CALIBRATIONS

GAMMA RAY CALIBRATION

SERIAL NUM
BLANKET NUM

RG3007
1A

MASTER CALIBRATIONS

	BackGrnd	CalVal: 175.000 API	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	29.340 - raw	207.814 - raw	0.981 - gain 0.000 - off	M/D/Y> 3/12/2015	H:M:S> 12:17:54

Company	CMX, INCORPORATED
Well	HOMOLKA #1-35
Field	KRAFT-PRUSA
County	BARTON
State	KANSAS



DUAL INDUCTION
 LATEROLOG - SP
 GAMMA RAY

FIELD PRINT

FIELD PRINT

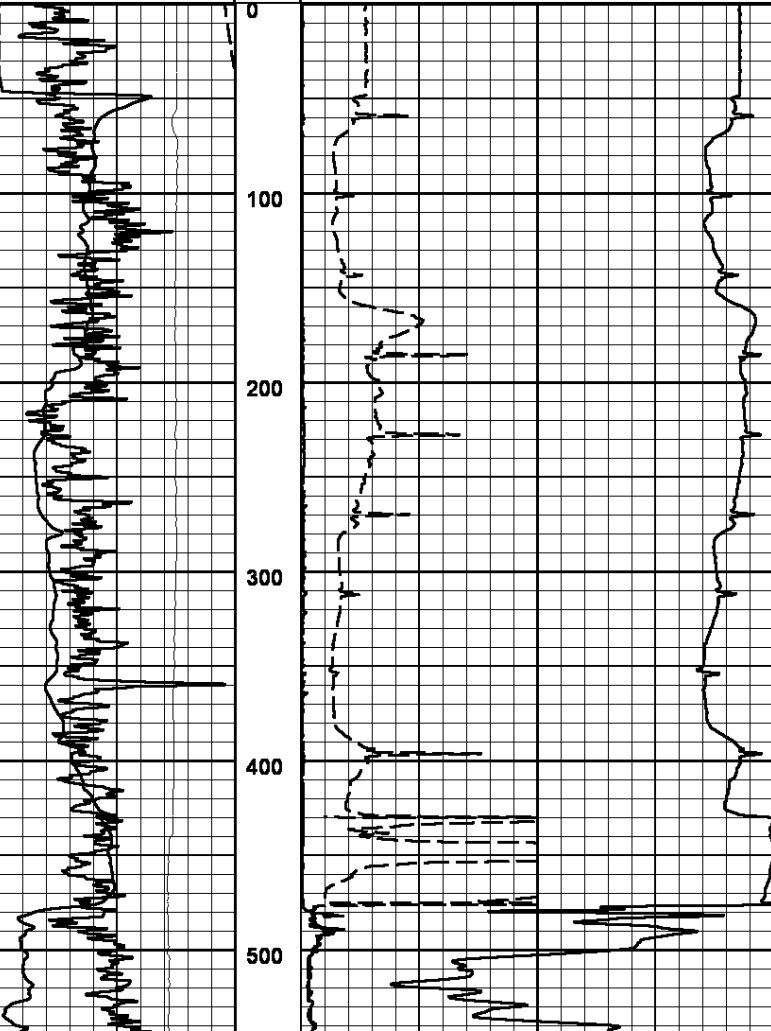
03/23/2015

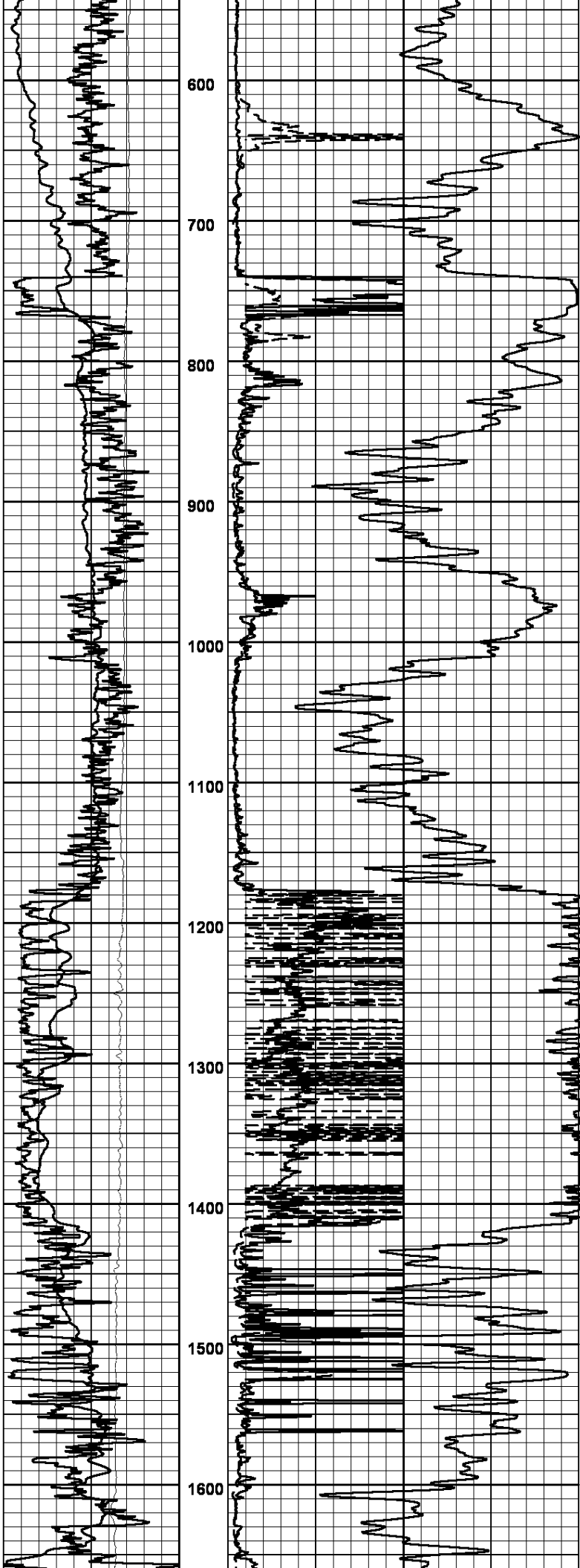
MAIN PASS (1"/100FT) Log UP - (VER 11.19)

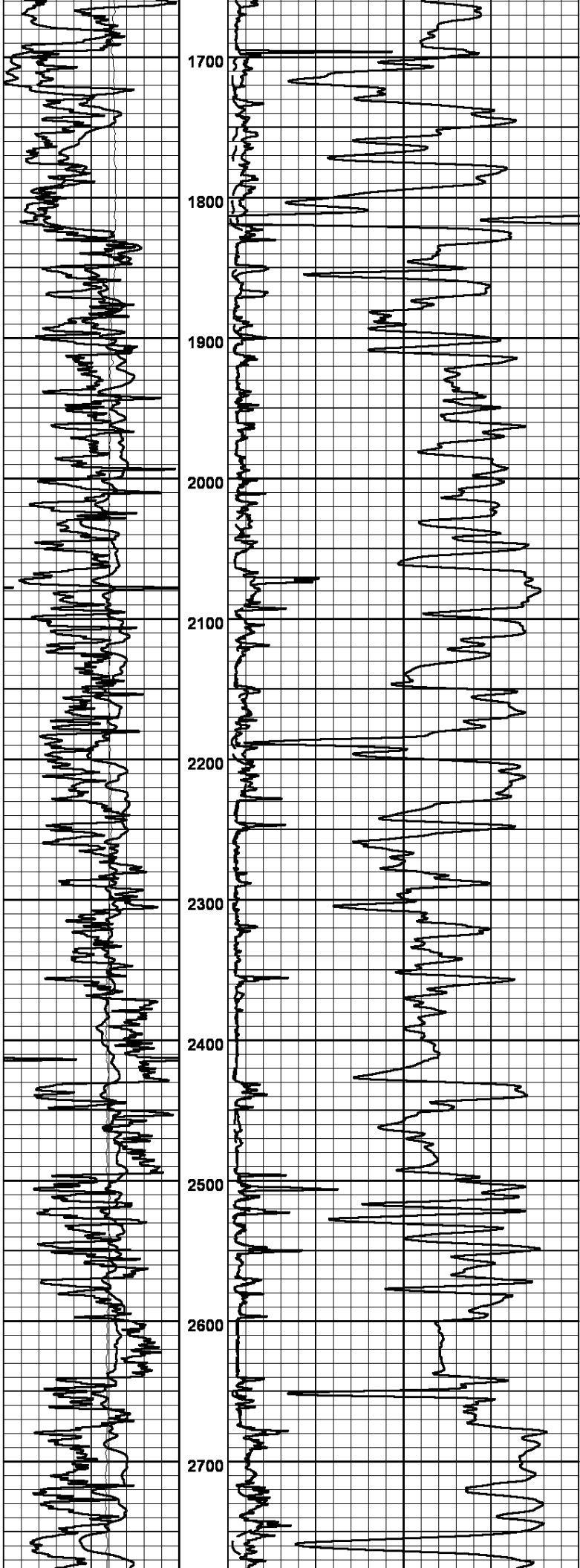
17:25:50 => End Time

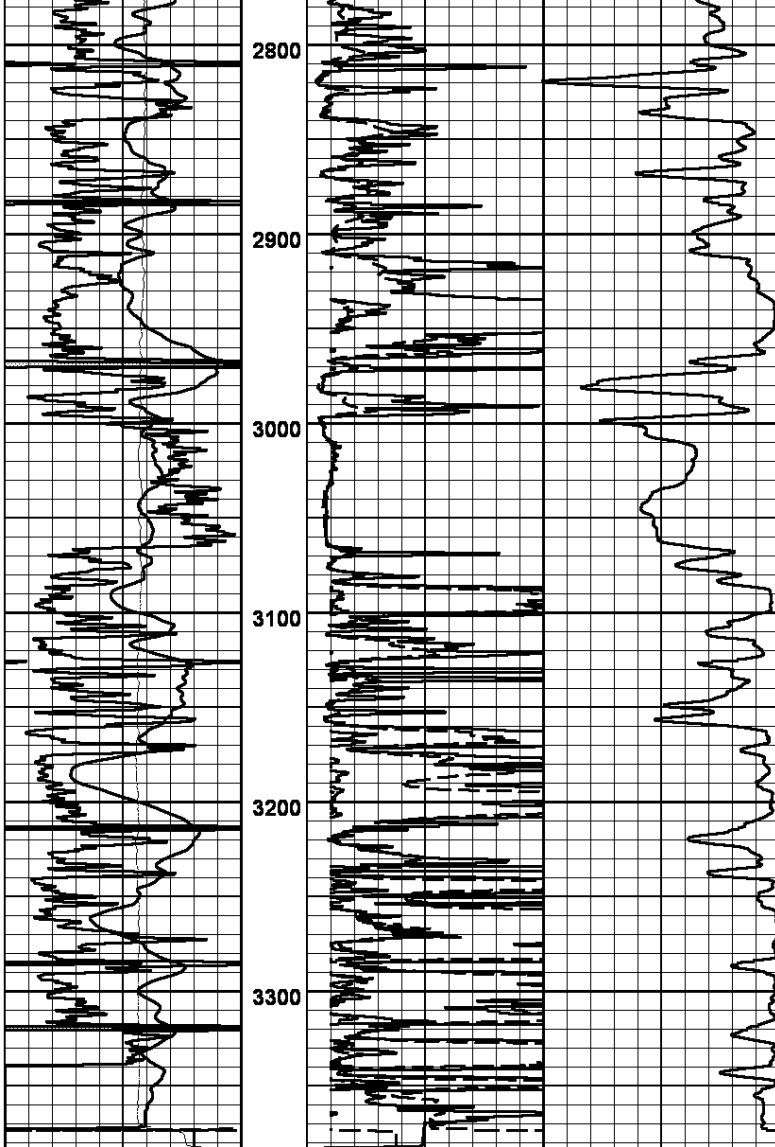
End Depth=> 0.50 Feet

Tension (TENS)			Laterolog (LL3)		
5000.	Lbs	0.	0.	ohmm	50.
ontaneous Potential (\$P)			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.
Spontaneous Potential (SP)		Deep Induction (ILD)	
-160.	mV 40.	0. ohmm 50.	
Tension (TENS)		Laterolog (LL3)	
5000.	Lbs 0.	0. ohmm 50.	

03/23/2015 **MAIN PASS (1"/100FT) Log UP - (VER 11.19)**
15:55:01 => Start Time Start Depth=> 3384.00 Feet