

Company **BANKS RESOURCES**
Well **SUNRAY FARMS #1-9**
Field **WILDCAT**
County **GREELEY**
State **KANSAS**

FINAL PRINT

RECON

**DUAL INDUCTION
LATEROLOG - SP
GAMMA RAY**

SEC 09 TWP 17S RGE 41W

Location: 2305' FNL & 2406' FWL E2/SE/SE/NW
SURF. SAME API# 015-071-20879-00-00

Permanent Datum Ground Level Elev 3740
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

OTHER SERVICES:
LDT CNL
XY CALIPER MICROLOG BHC
ELEVATIONS K.B. 3757
G.L. 3740
D.F. N/A

Date	07-DEC-2014		
Run No.	ONE		
TD Driller	5250	ft.	ft.
TD RECON	5242	ft.	ft.
Bot Logged Interval	5241	ft.	ft.
Top Logged Interval	400	ft.	ft.
Casing Depth Driller	8 5/8	in.	@ 437
Casing Depth RECON	8 5/8	in.	@ 437
Bit Size	7 7/8	in.	in.
Drilling Fluid Type	WBM		
Density	9.5	Viscosity	70
Fluid Loss	8.8	PH	10
Source Of Sample	Flowline		
RM @ Measured Temp	2.45	Ohmm	@ 75
RMF @ Measured Temp	1.84	Ohmm	@ 75
RMC @ Measured Temp	3.06	Ohmm	@ 75
RM @ MRT	0.93	Ohmm	@ 138
Max Recorded Temp	138	DegF	DegF
Time Drilling Stopped	07-DEC-2014	05:45	08-DEC-2014 04:30
Time Circulation Stopped	07-DEC-2014	08:45	08-DEC-2014 08:30
Time Logger On Bottom	07-DEC-2014	20:30	08-DEC-2014 11:45
Unit Num	S406	Location	OKLAHOMA CITY, OK
Recorded By	K.HELDERMON		
Witnessed By	S.BANKS		

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 #1

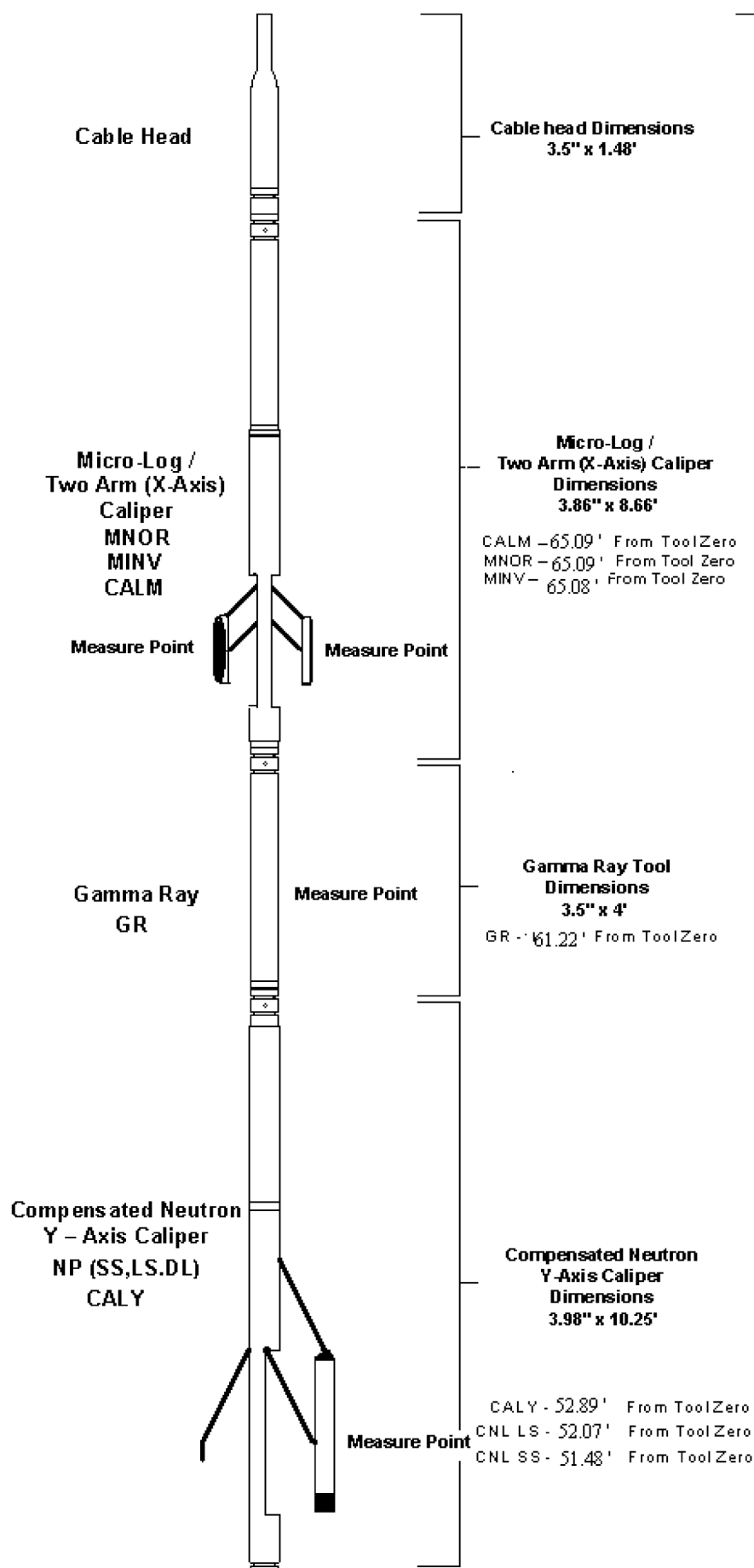
GENERAL REMARKS SECTION

FIRST RUN IN THE HOLE
CNL AND LDT LOGGED IN A LIMESTONE MATRIX
TOP MARK - 567, BOTTOM MARK - 5071.8
CNL/LDT LOGGED MATRIX: 2.71 g/cc.

CHLORIDES: 4000
LCM: 2

AHV CALCULATED ON 5.5" PROD. CASING

**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'**

**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

**Tool String
Length Total
73.64 '**

**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 Tool Zero

**R-1
Receiver 1**

**R-2
Receiver 2**

T2R1 - 28.54' From Tool Zero
T2R2 - 28.37' From Tool Zero

**T-2
Transmitter 2**

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

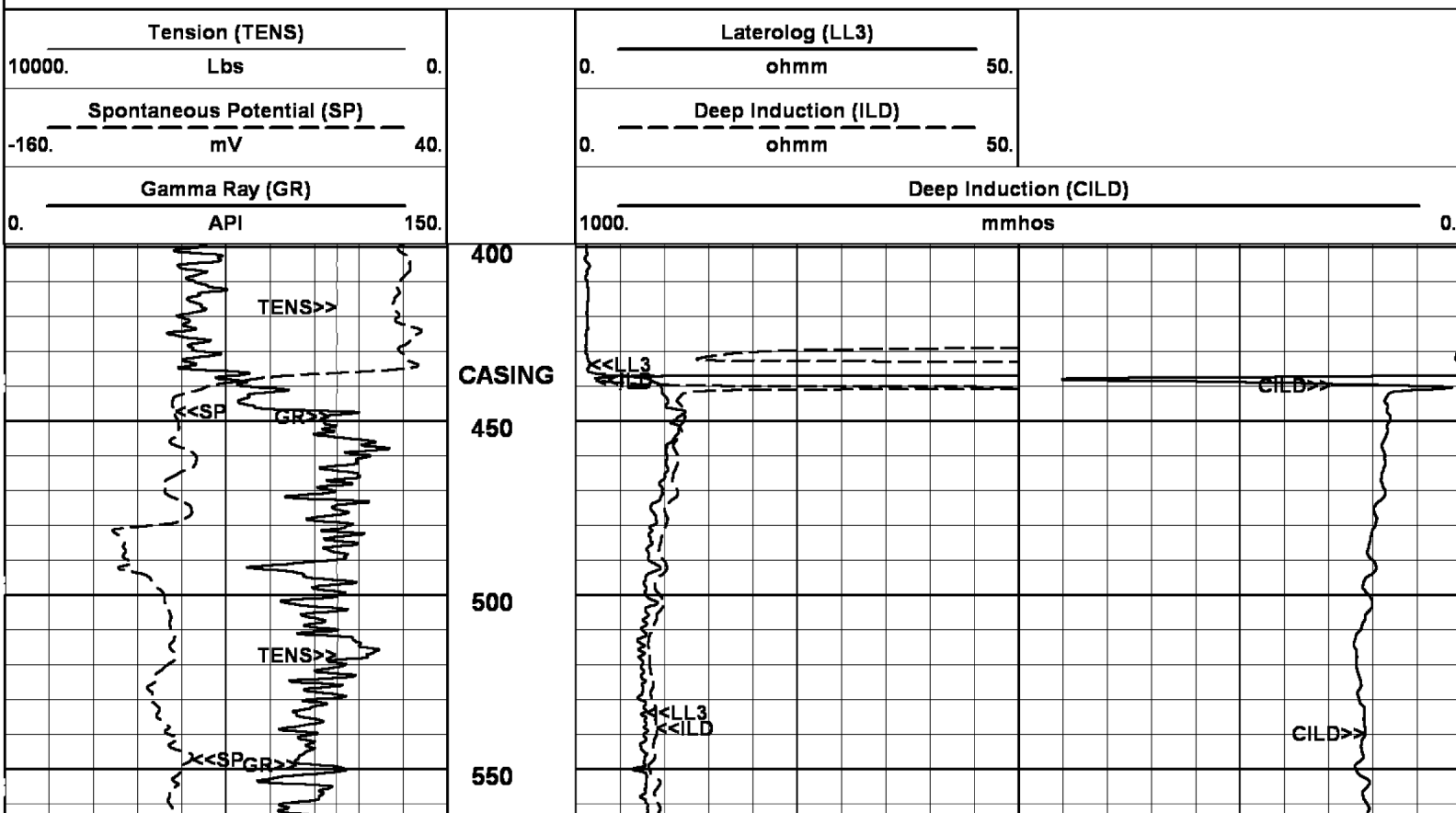
12/07/2014

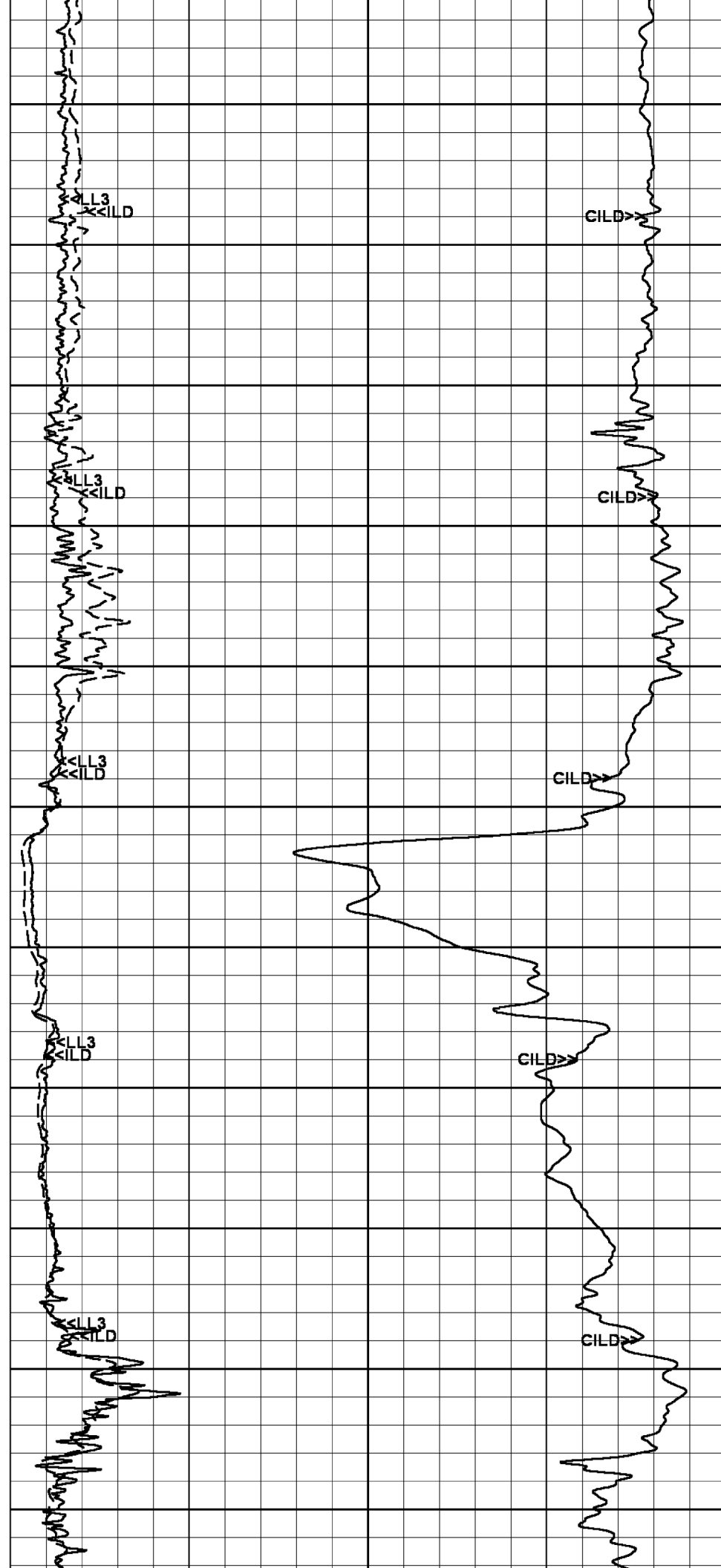
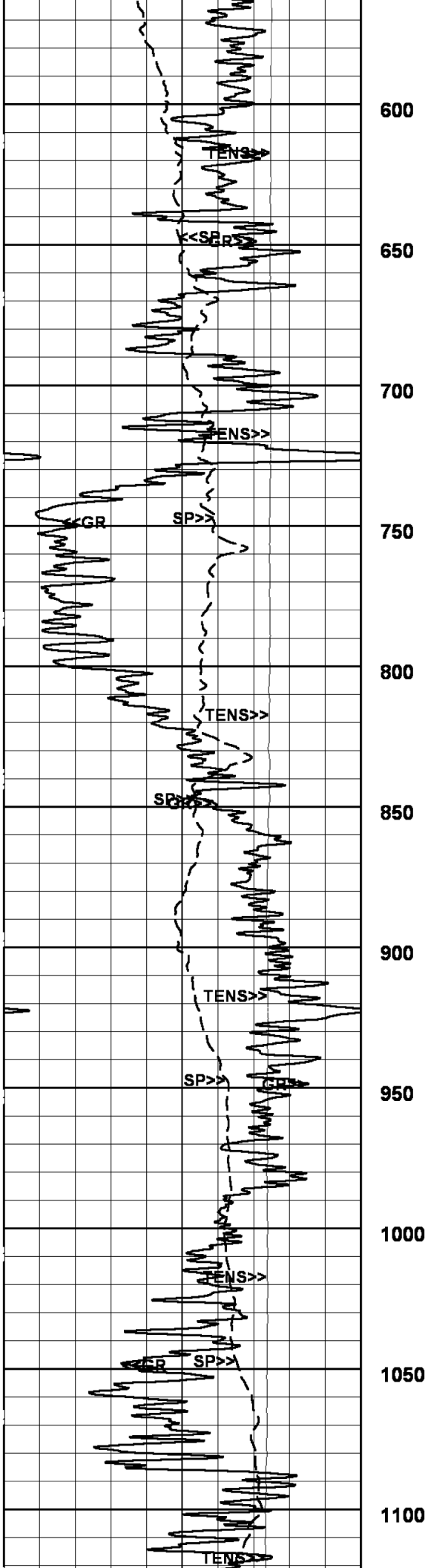
22:42:19 => End Time

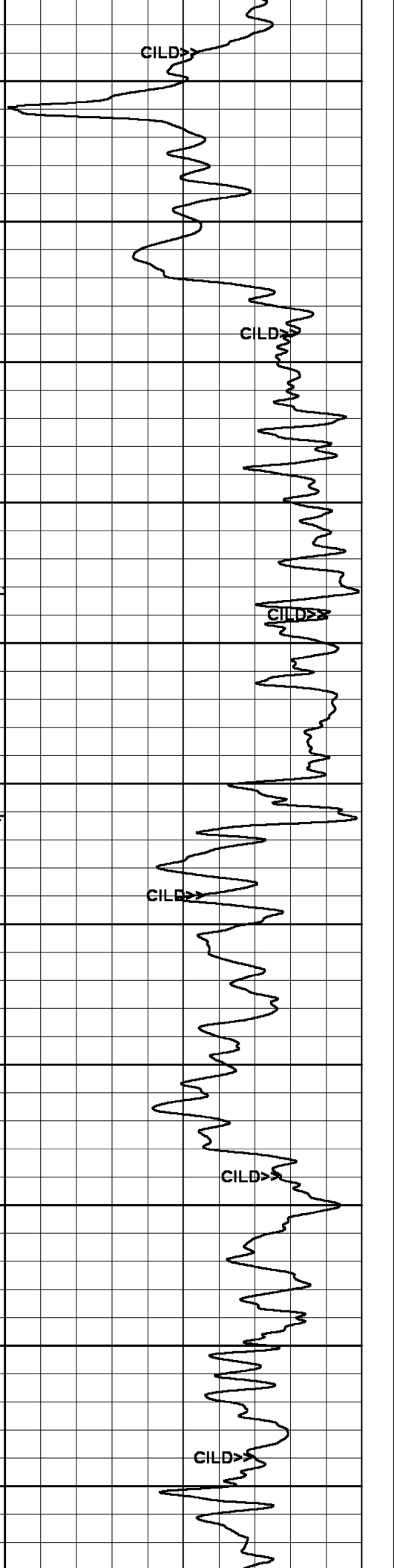
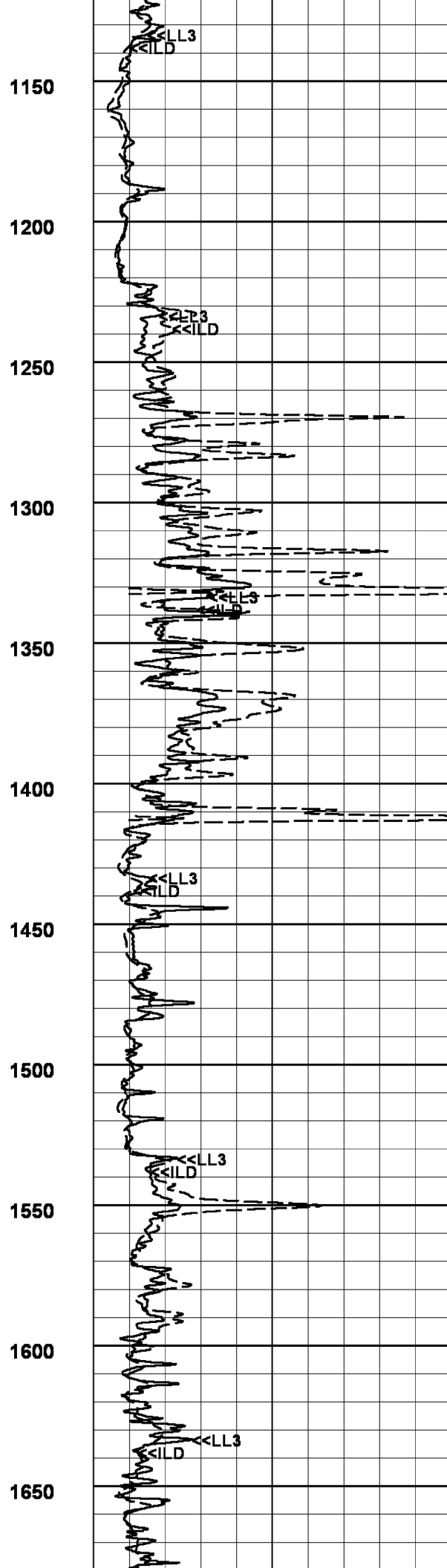
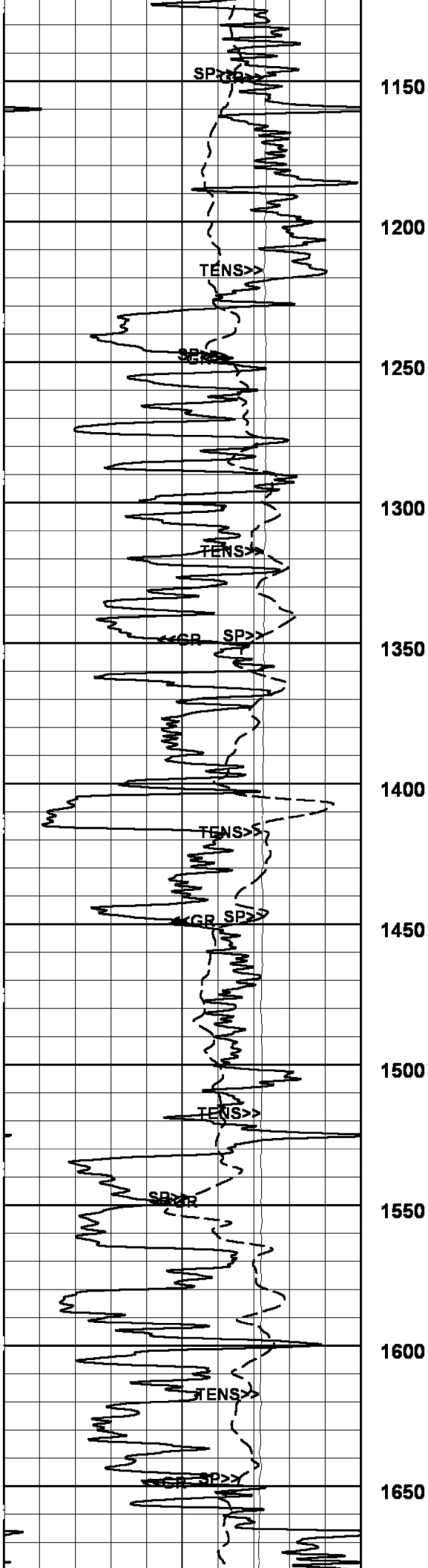
MAIN PASS (2"/100Ft)

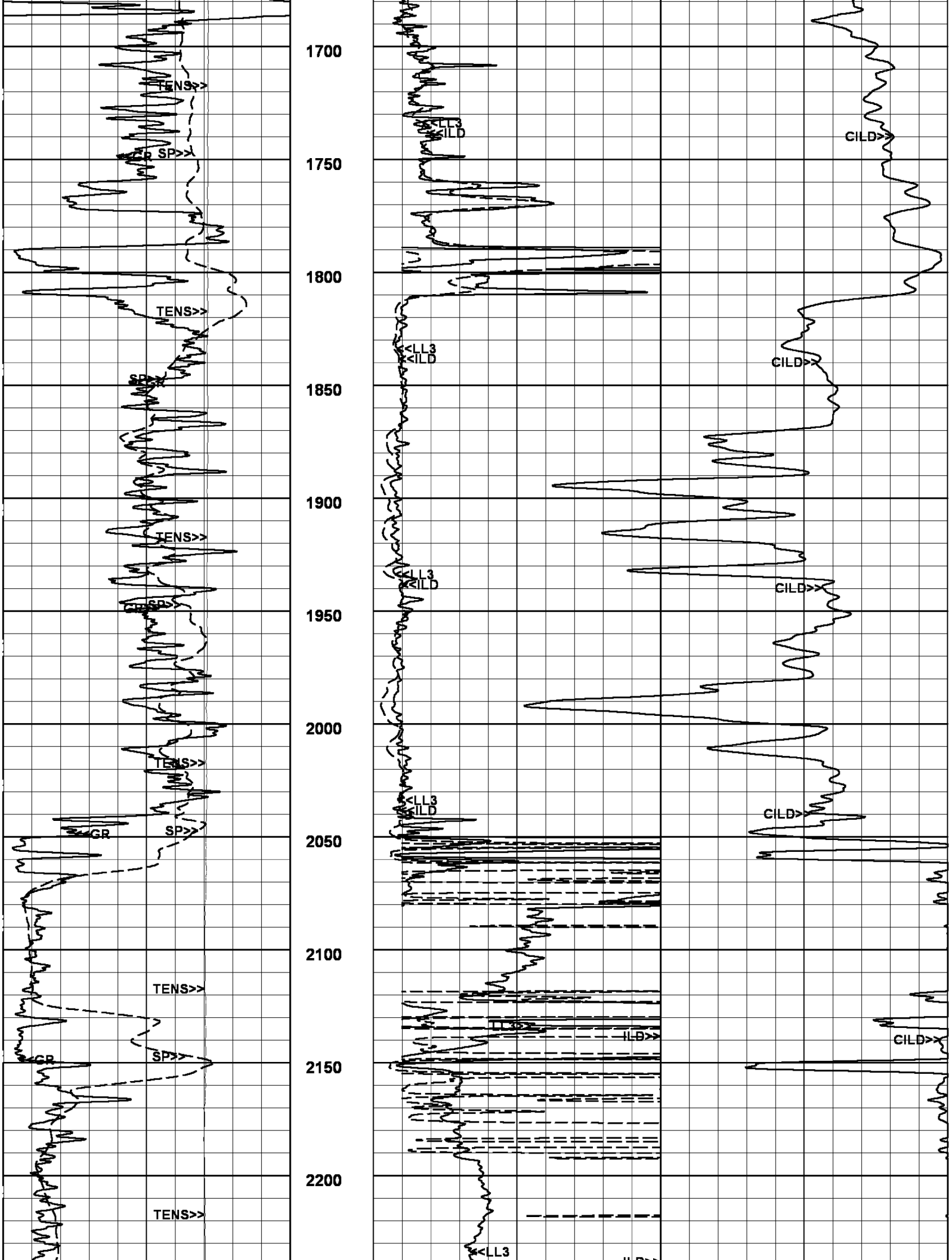
Log UP - (VER 11.10)

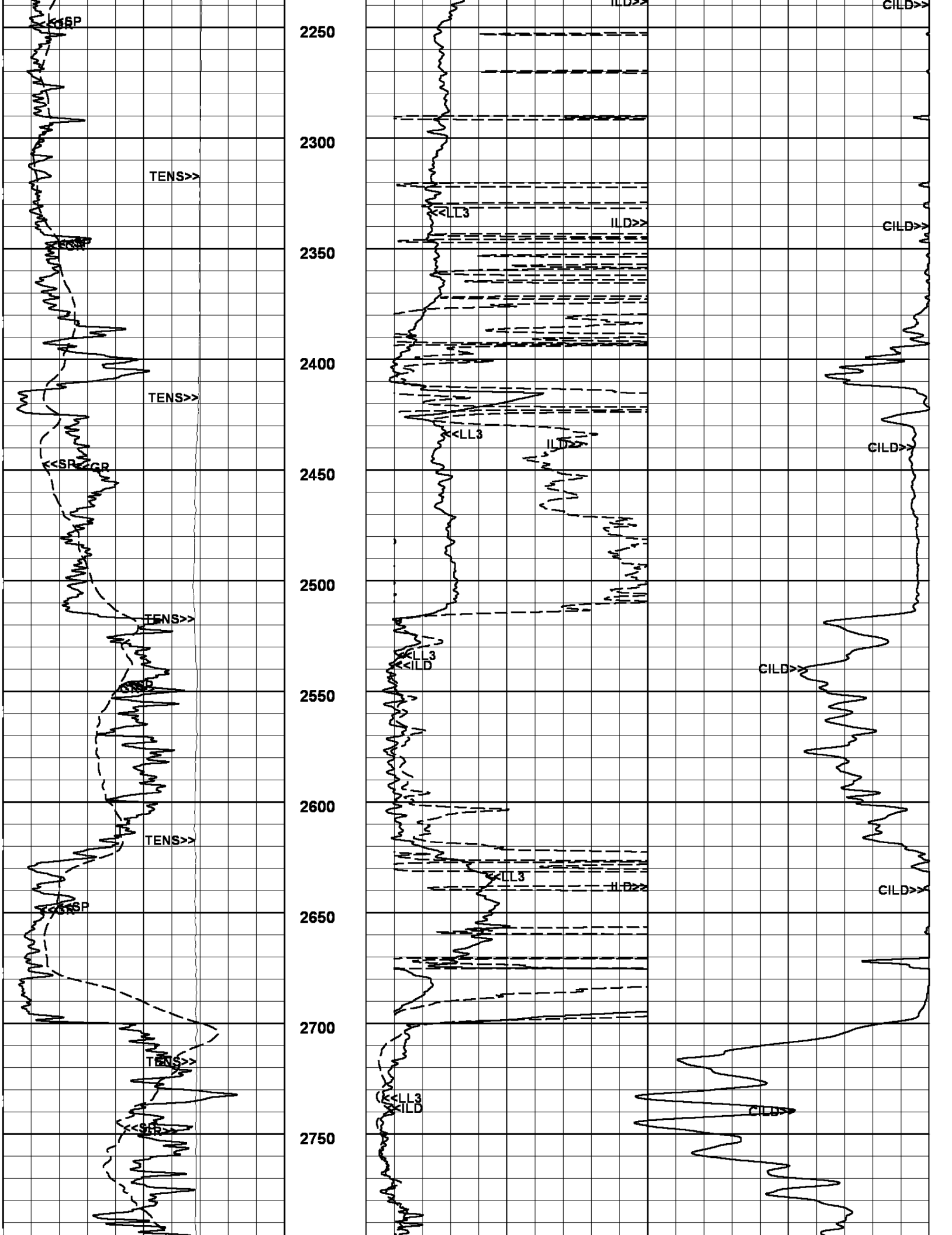
End Depth=> 399.75 Feet

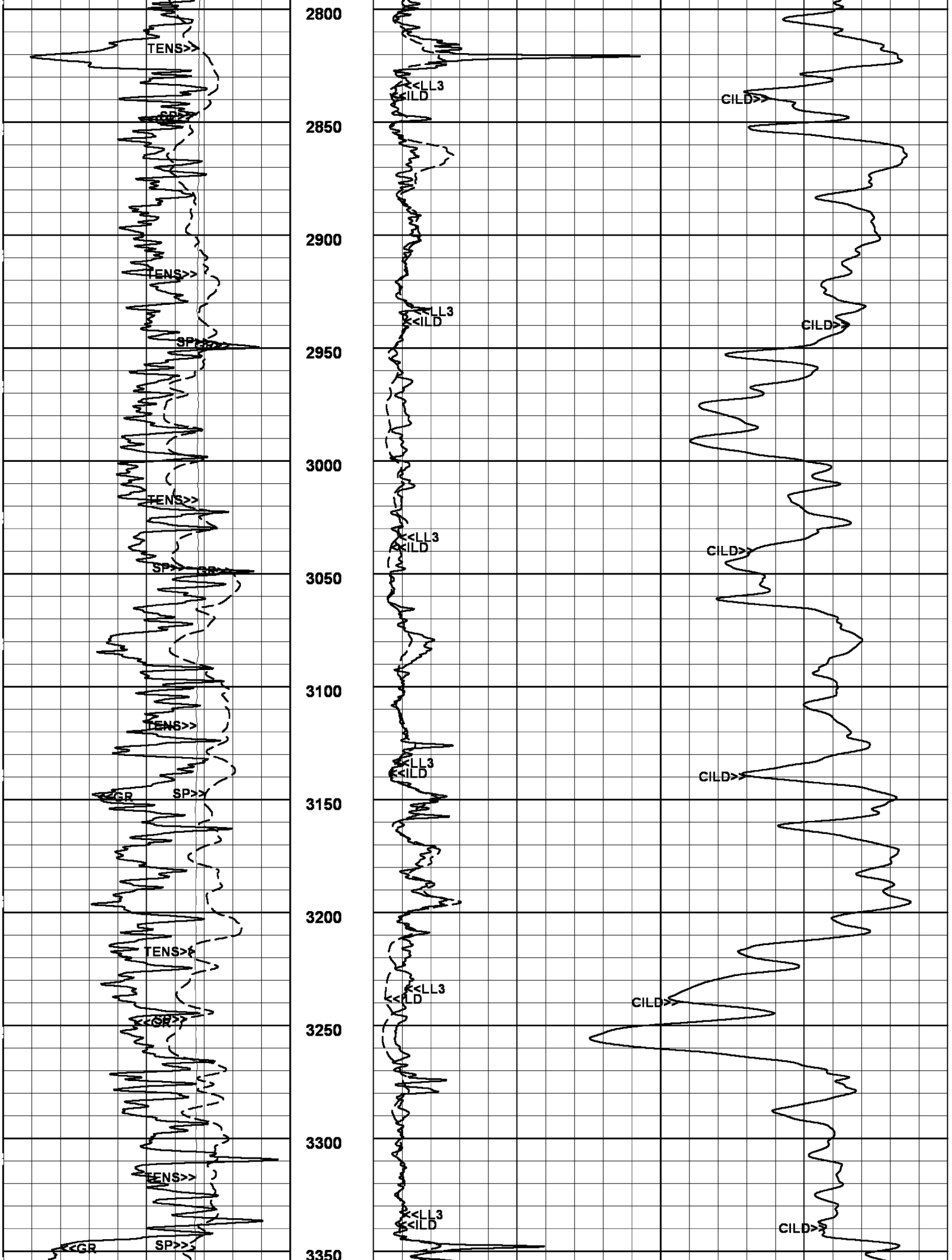


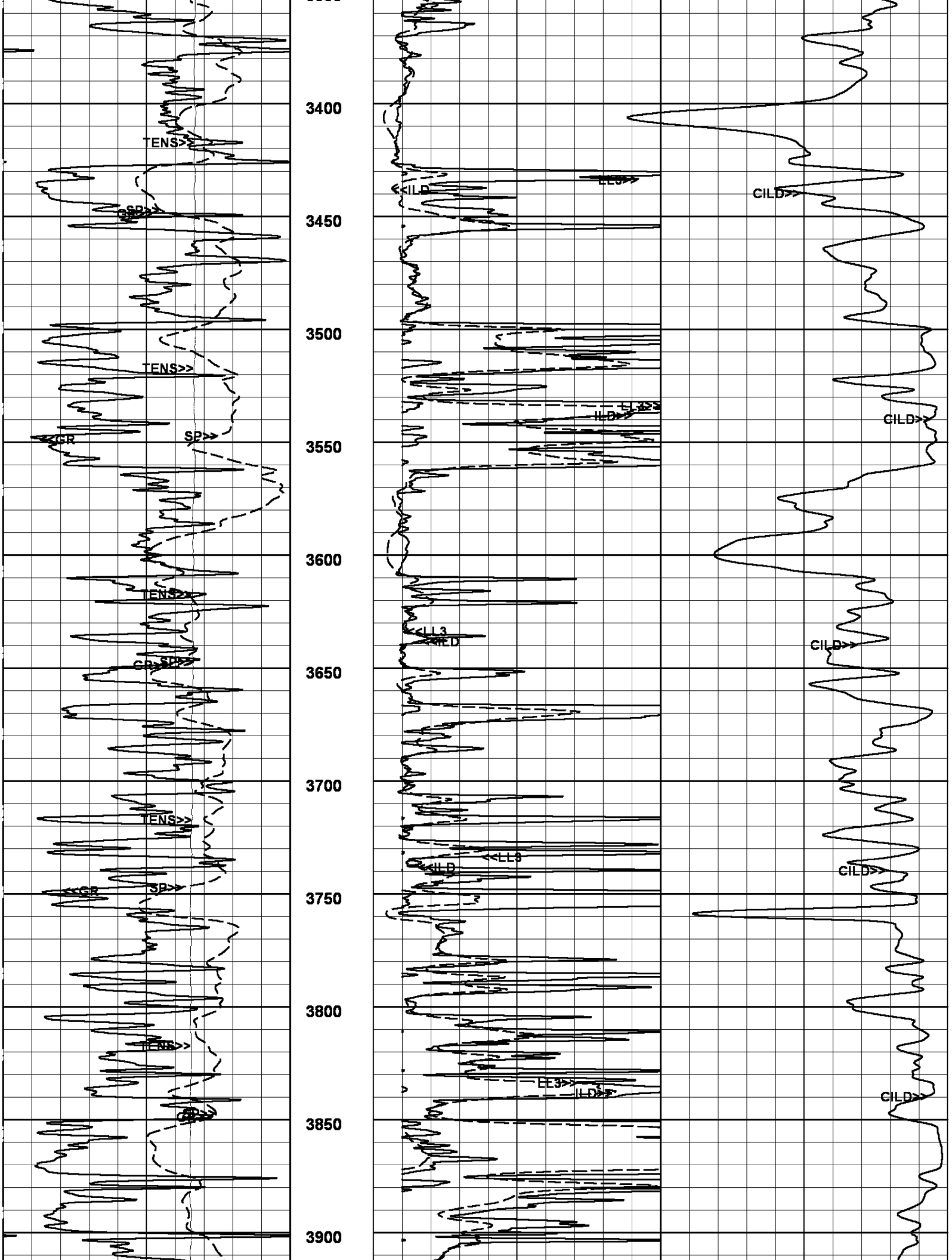


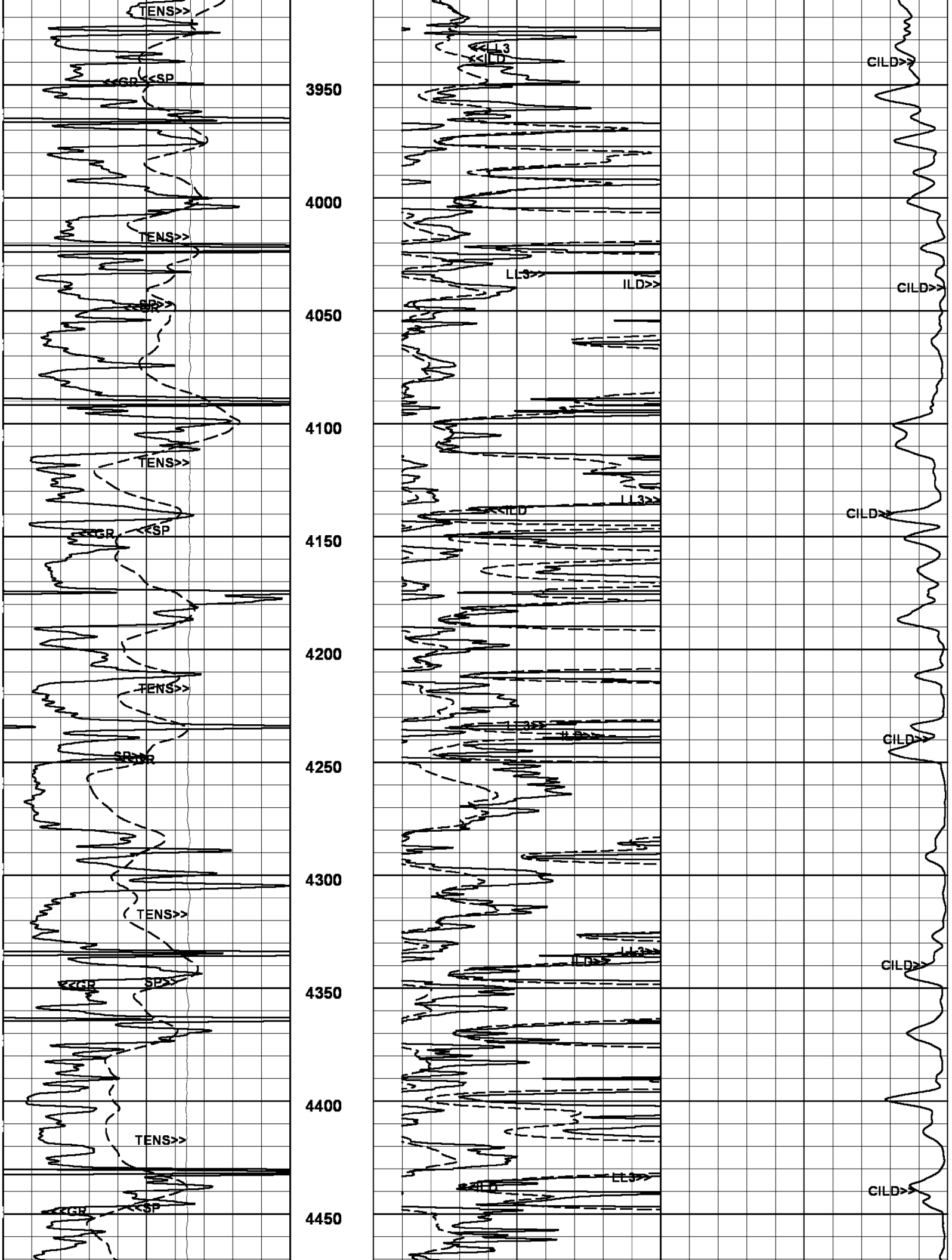


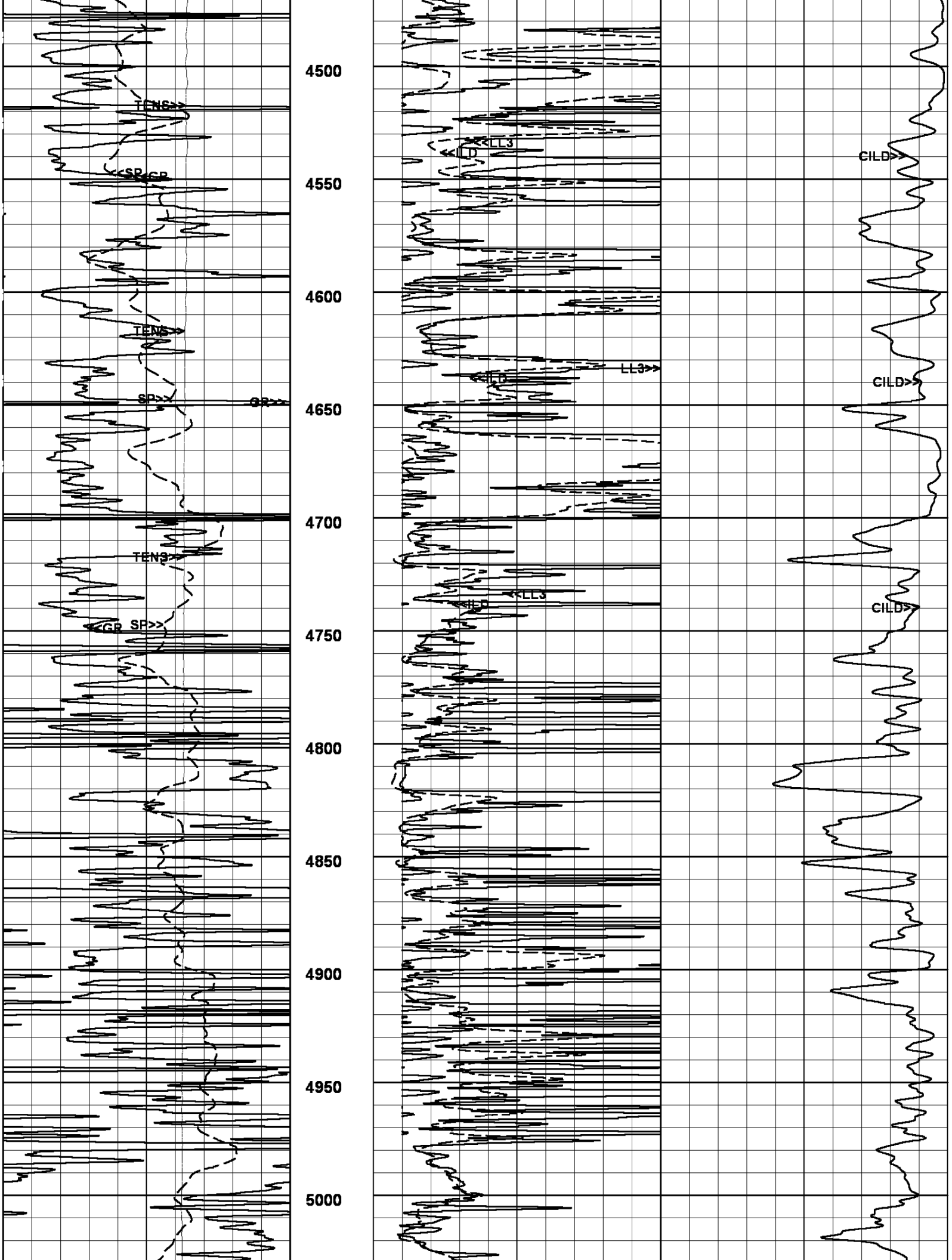


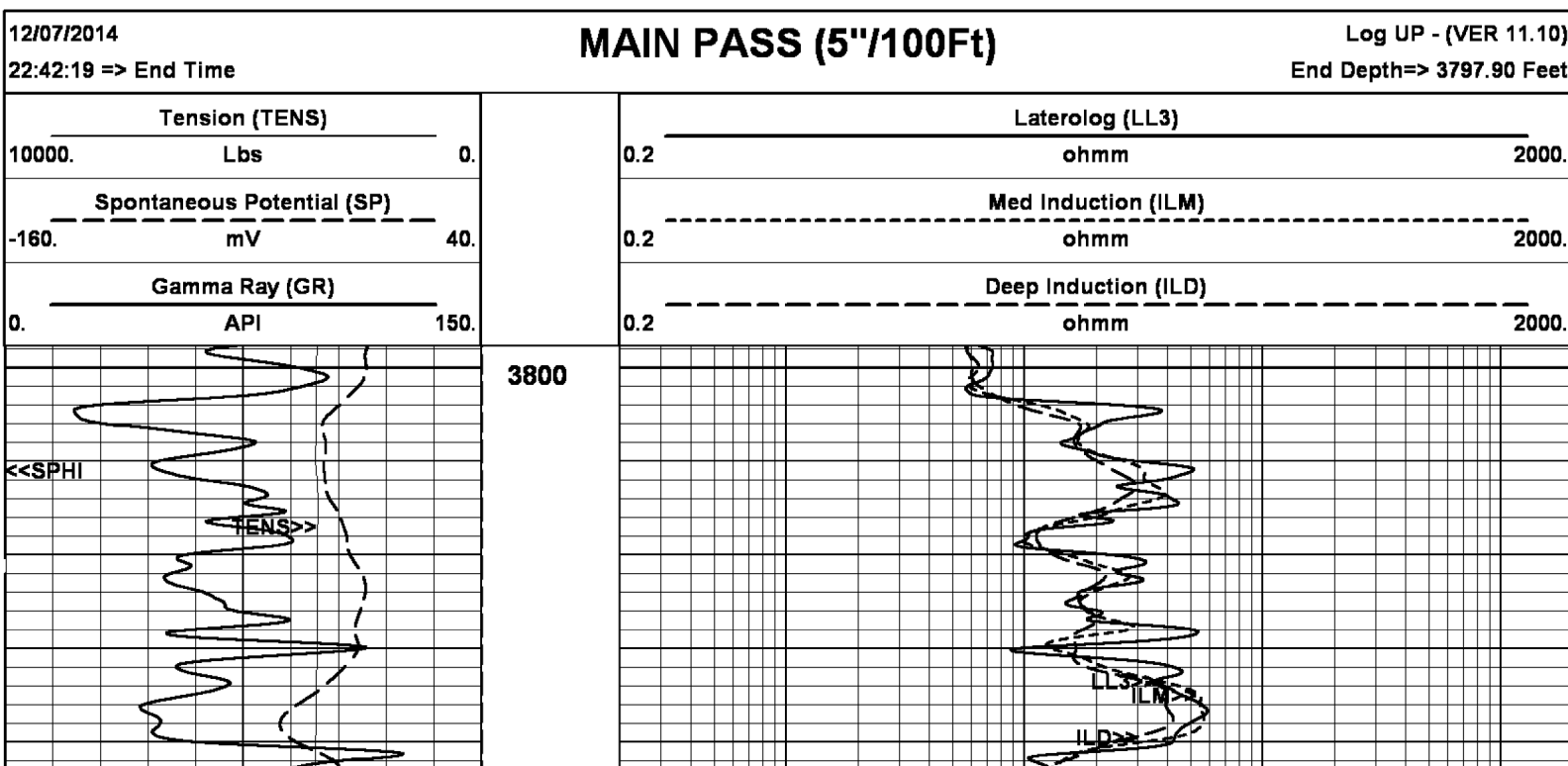
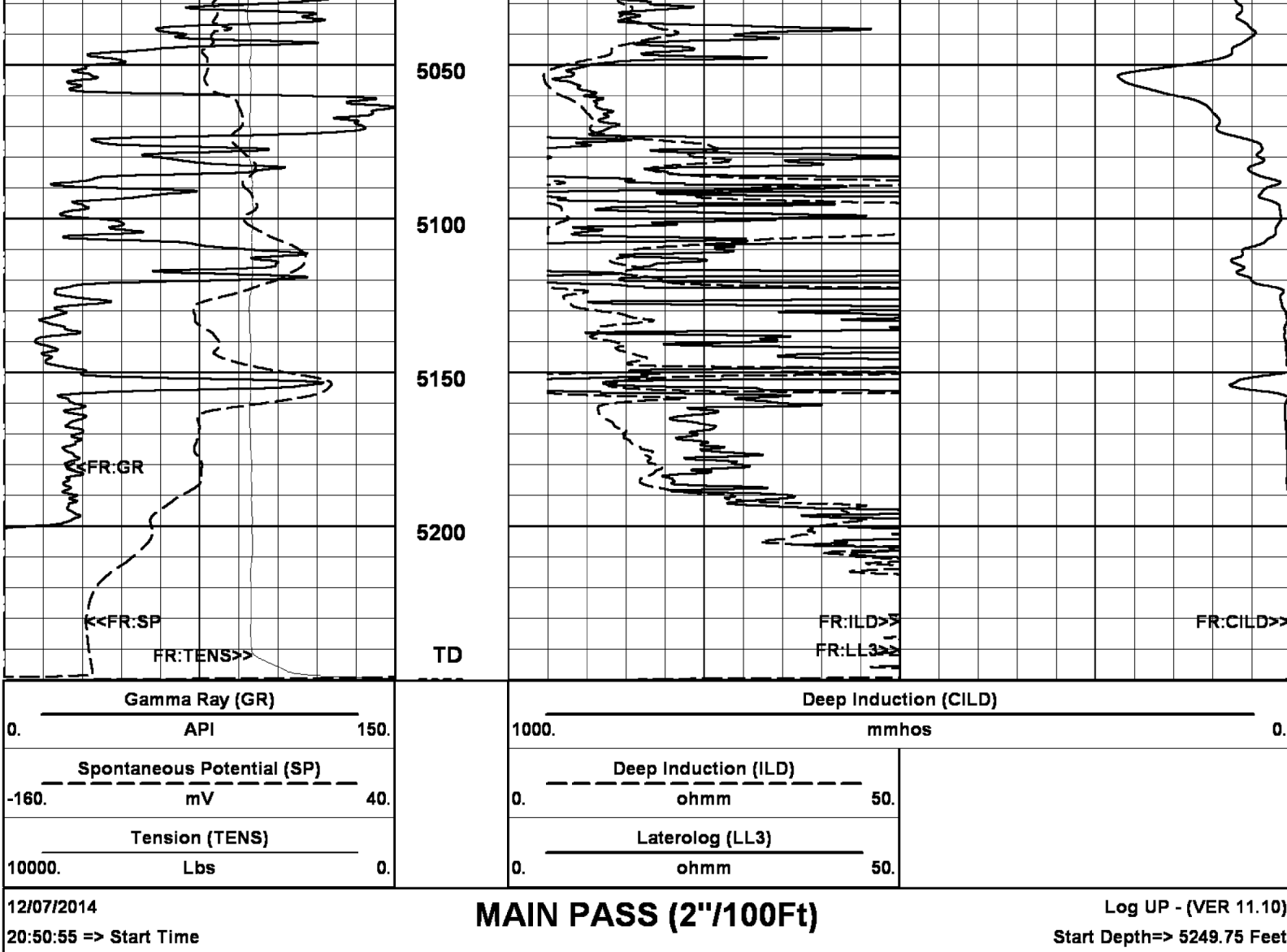


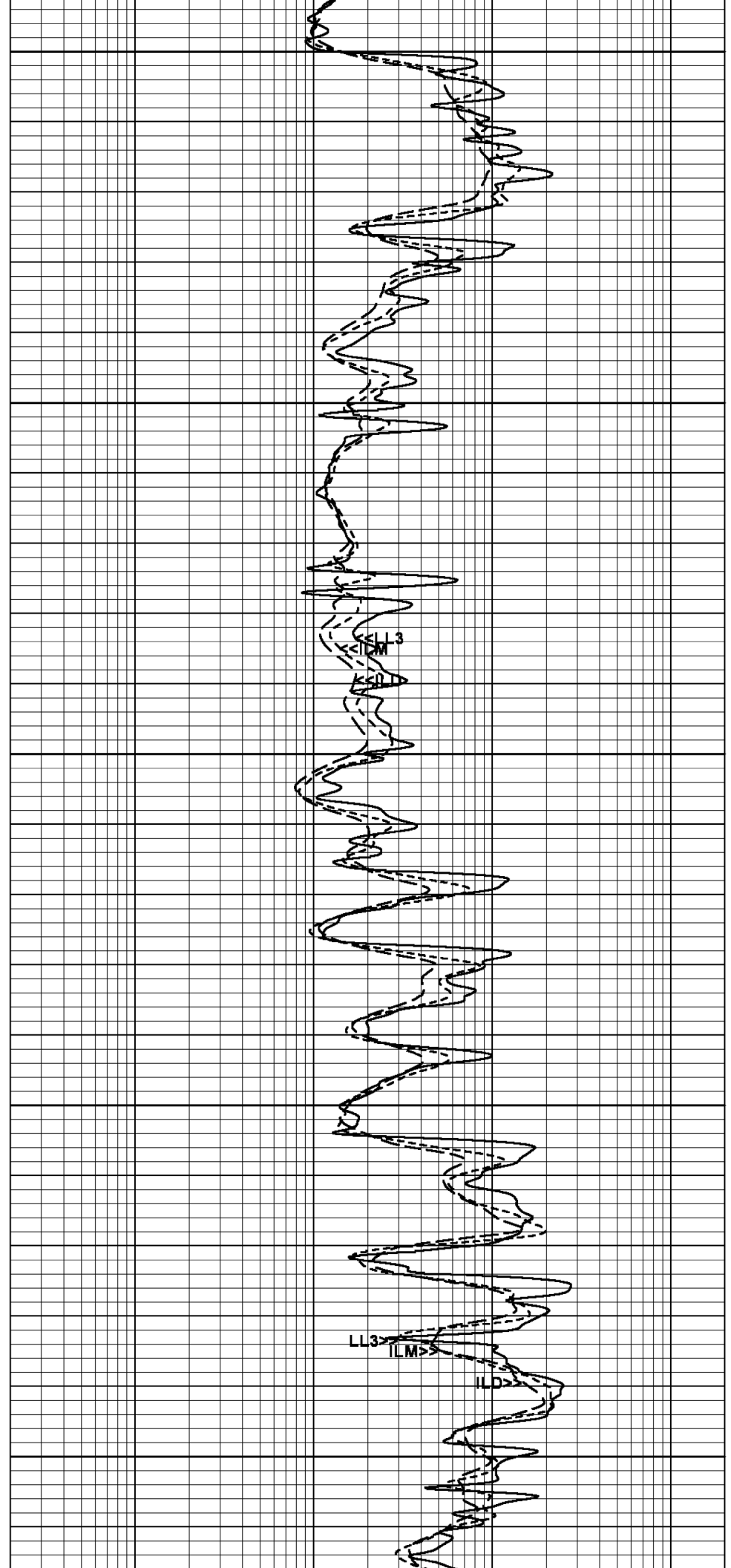
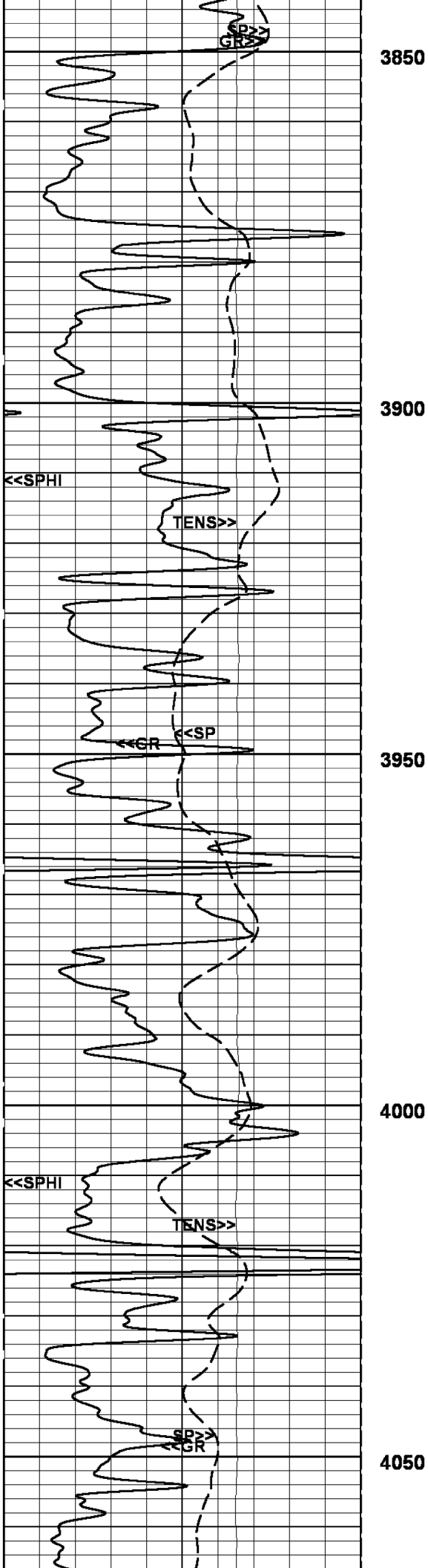


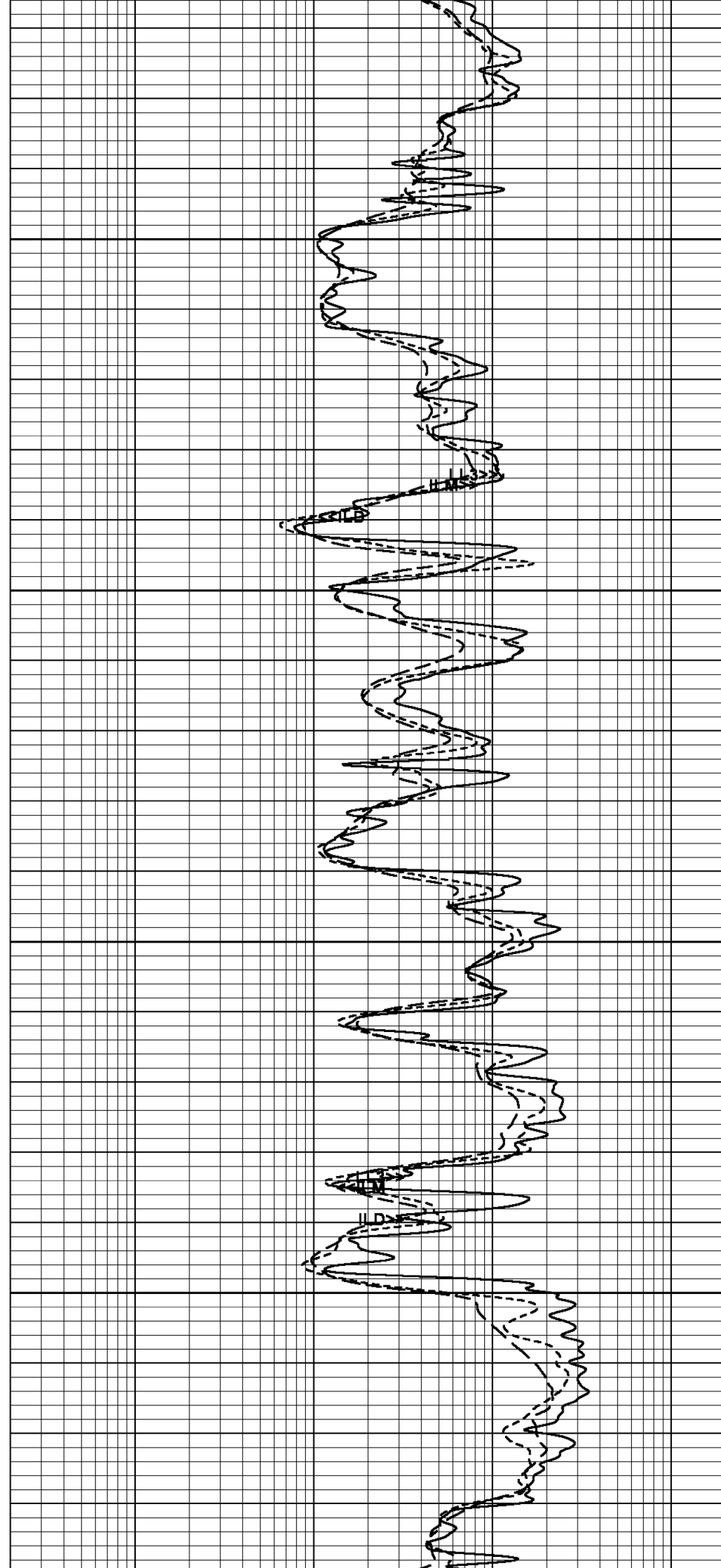
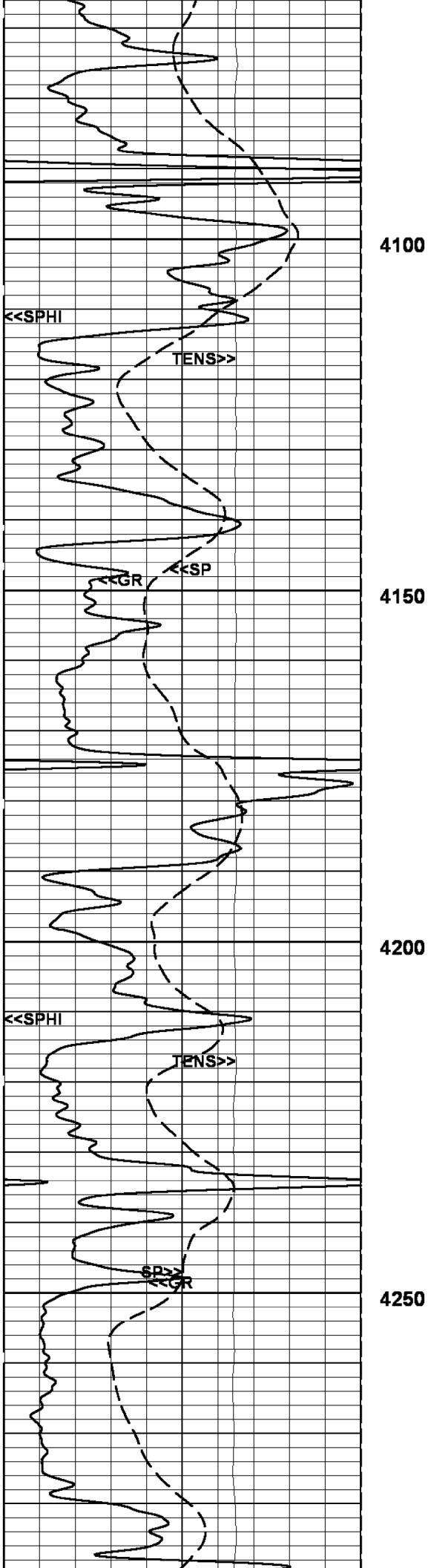


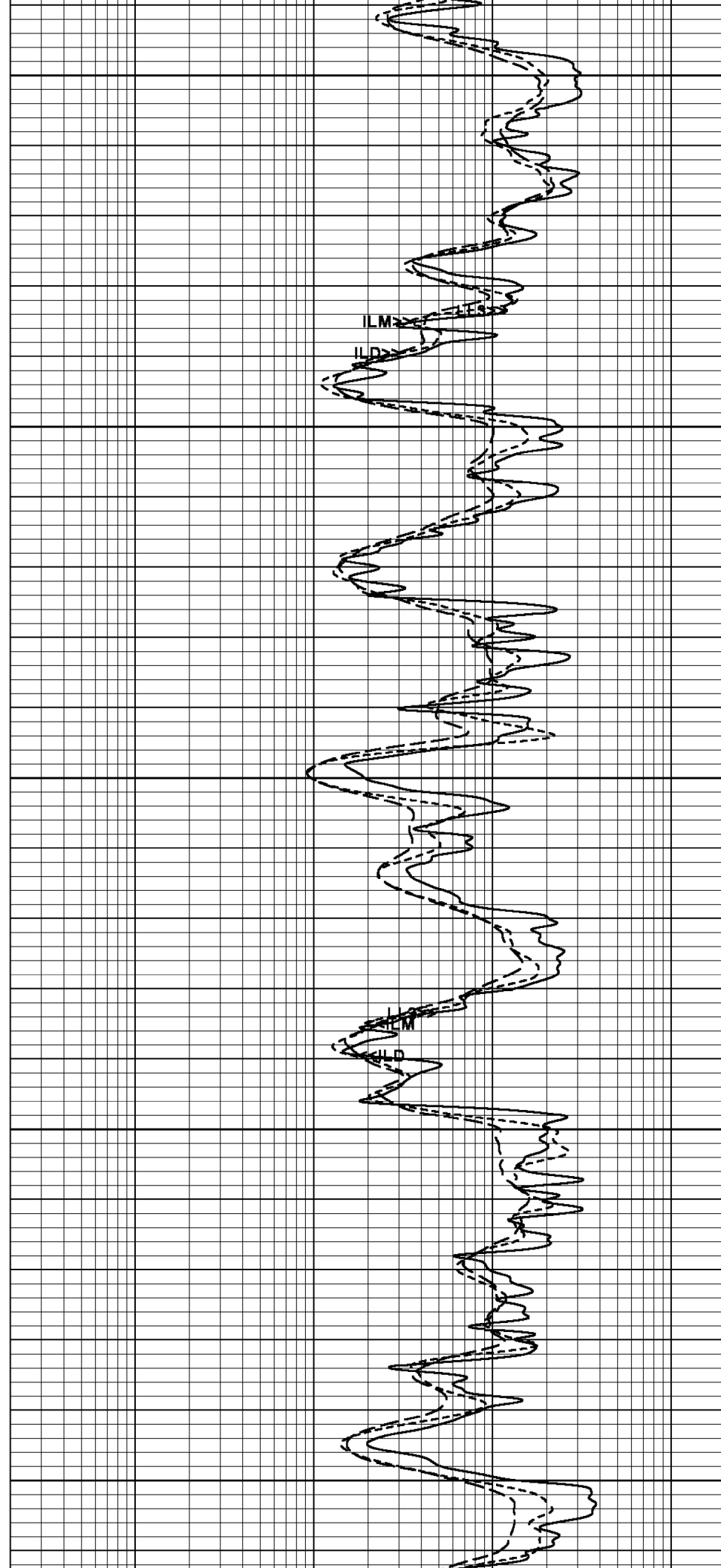
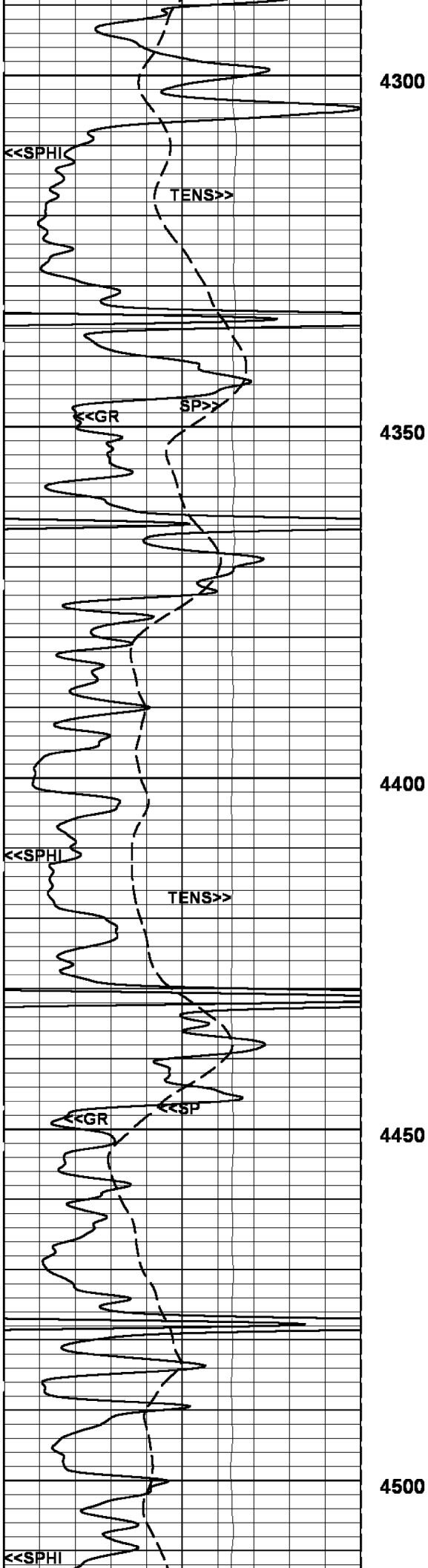


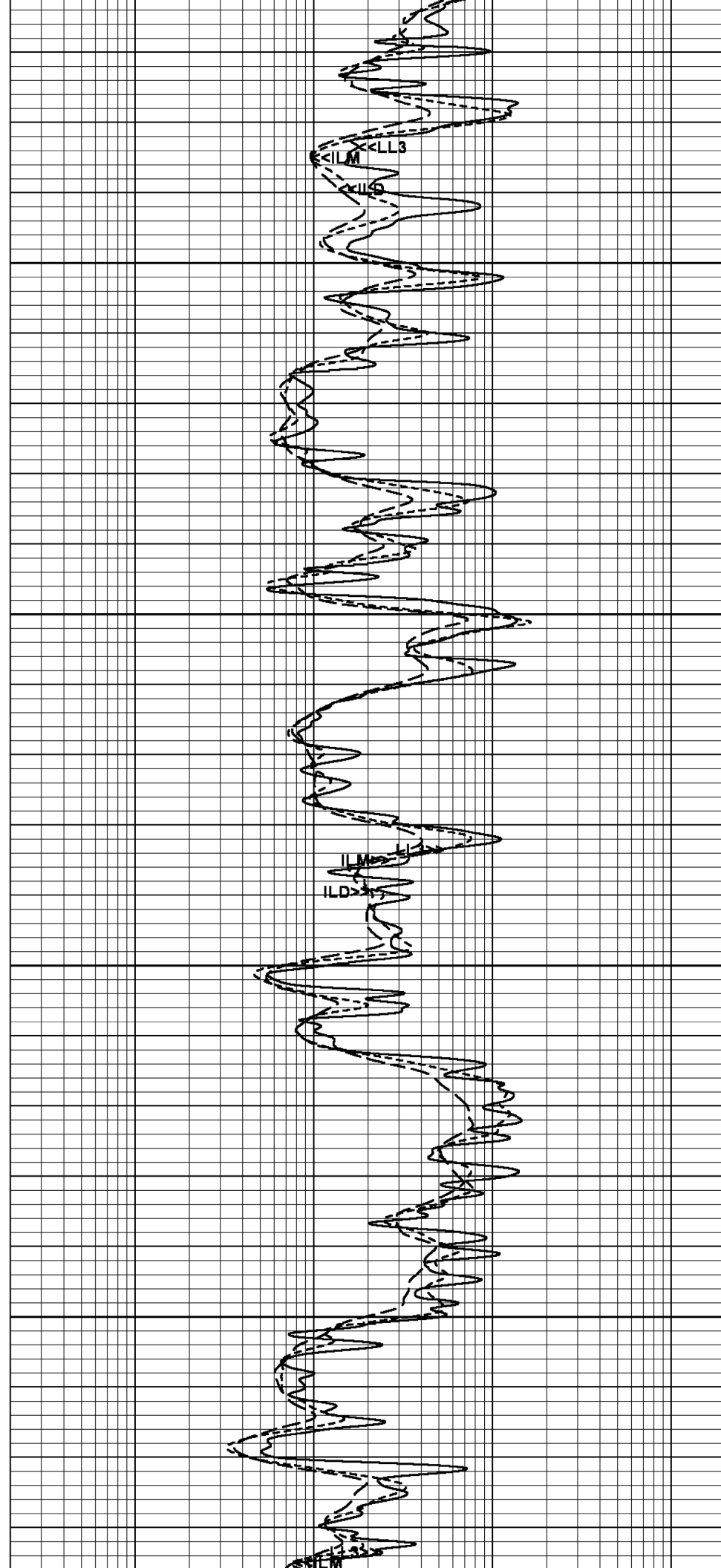
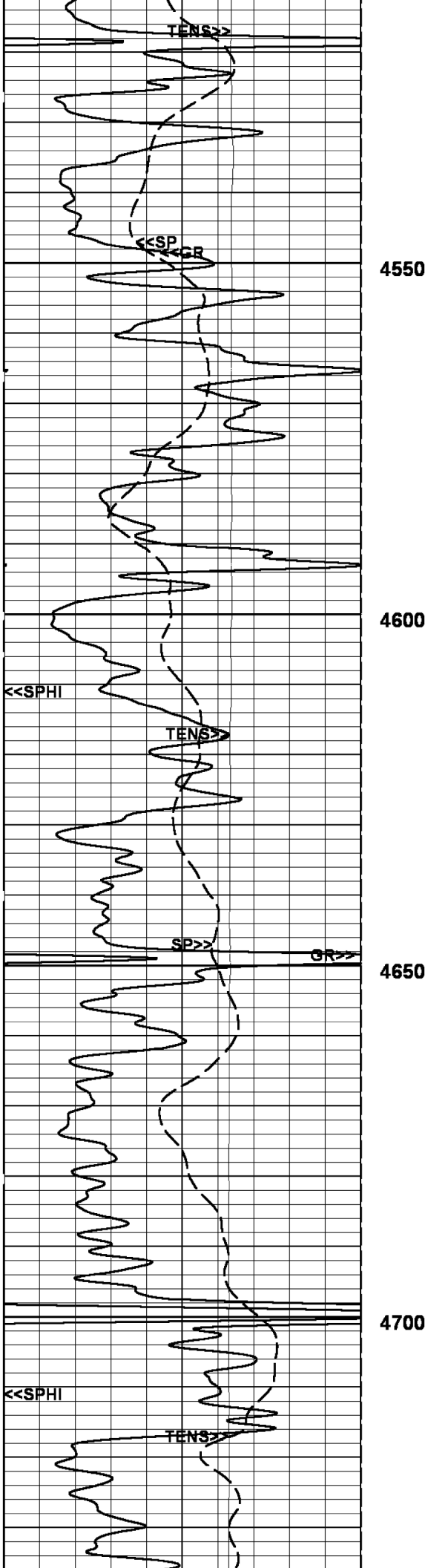


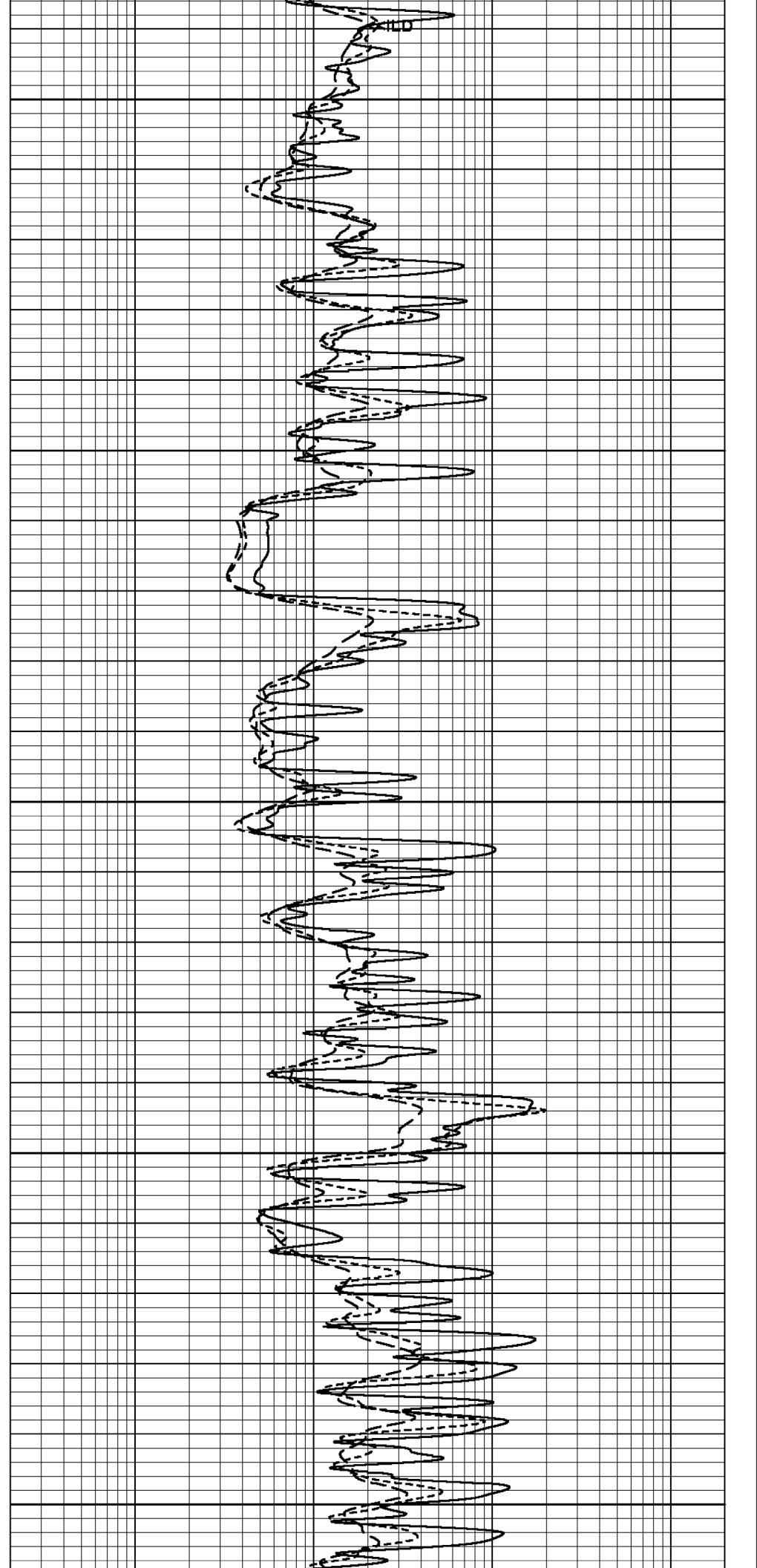
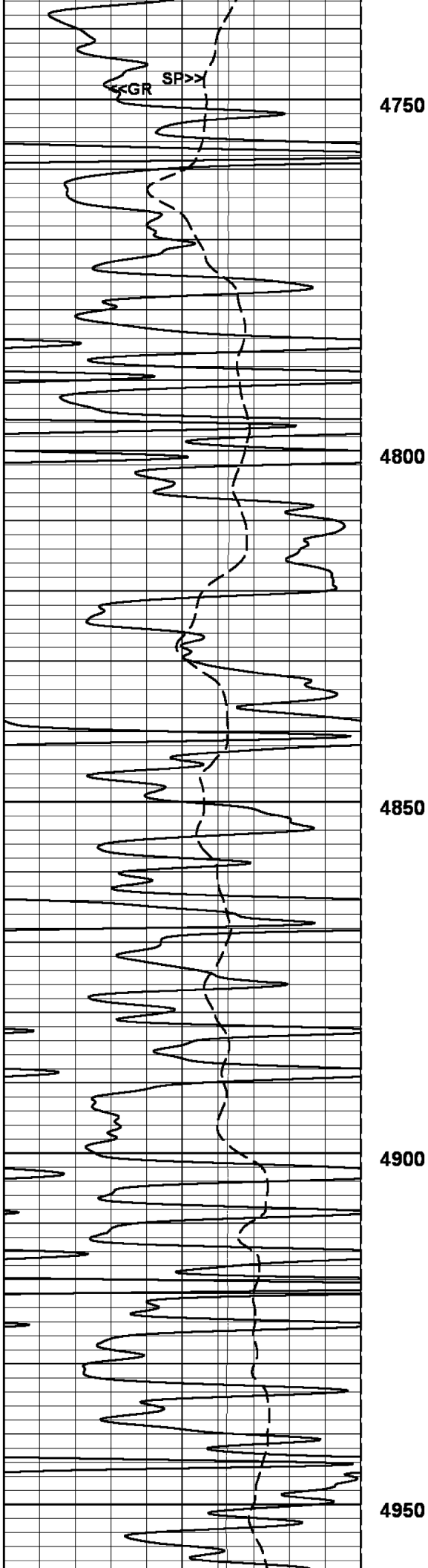


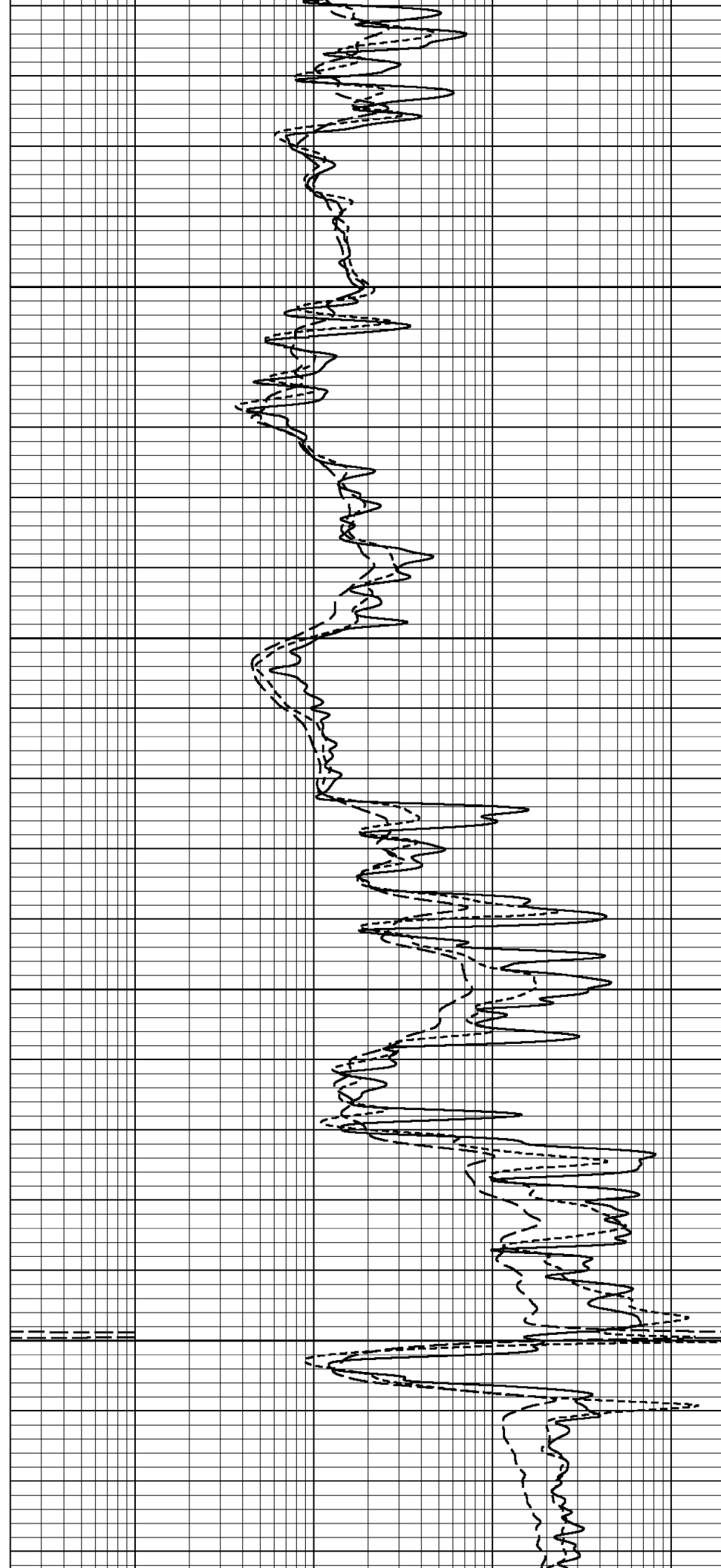
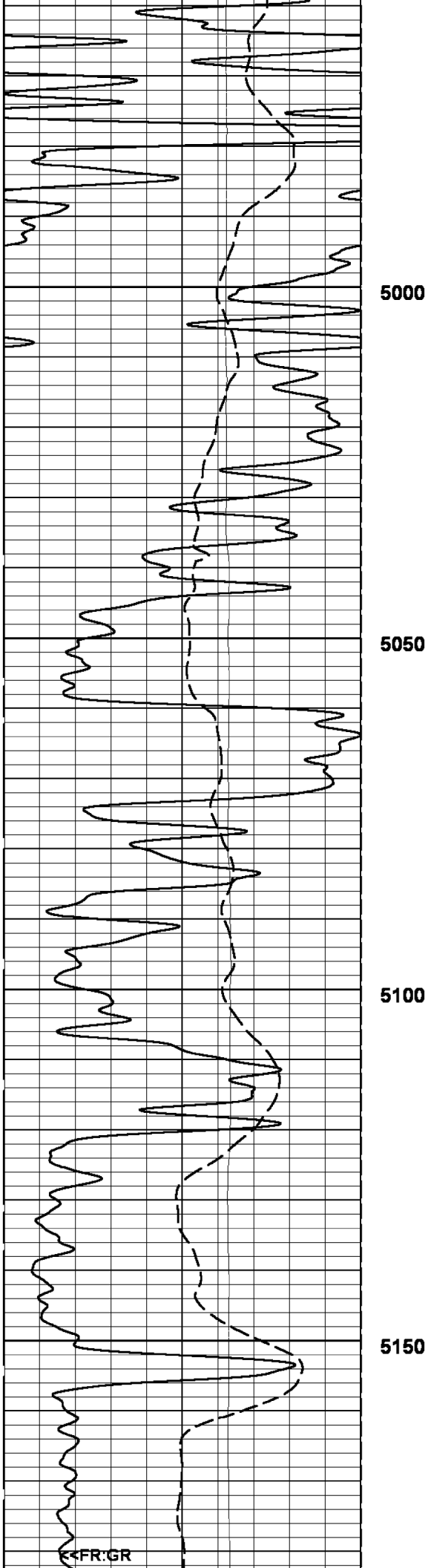


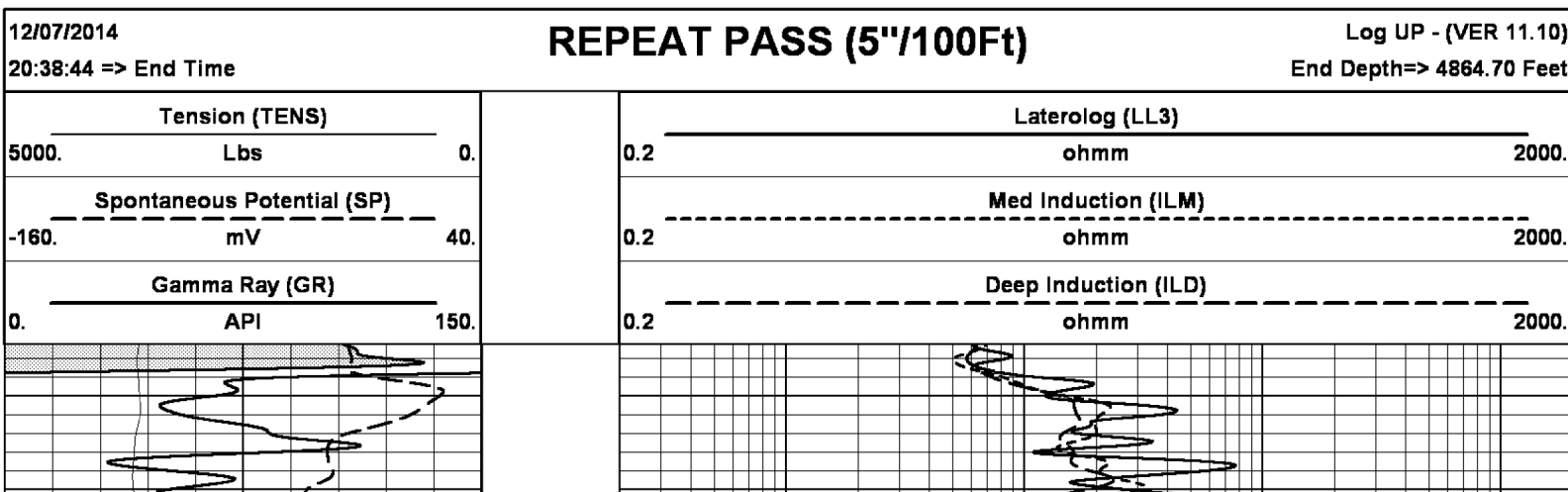
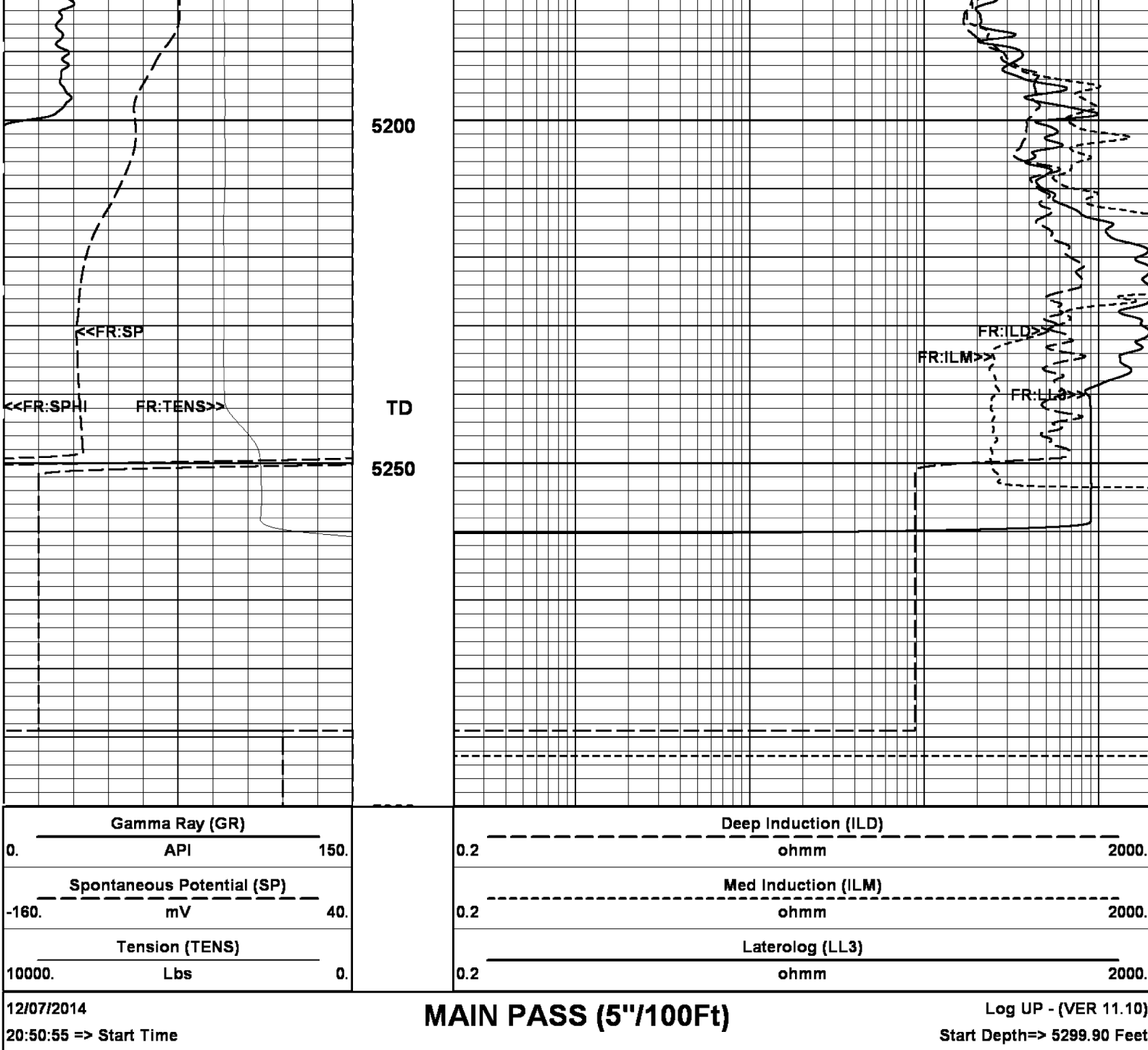


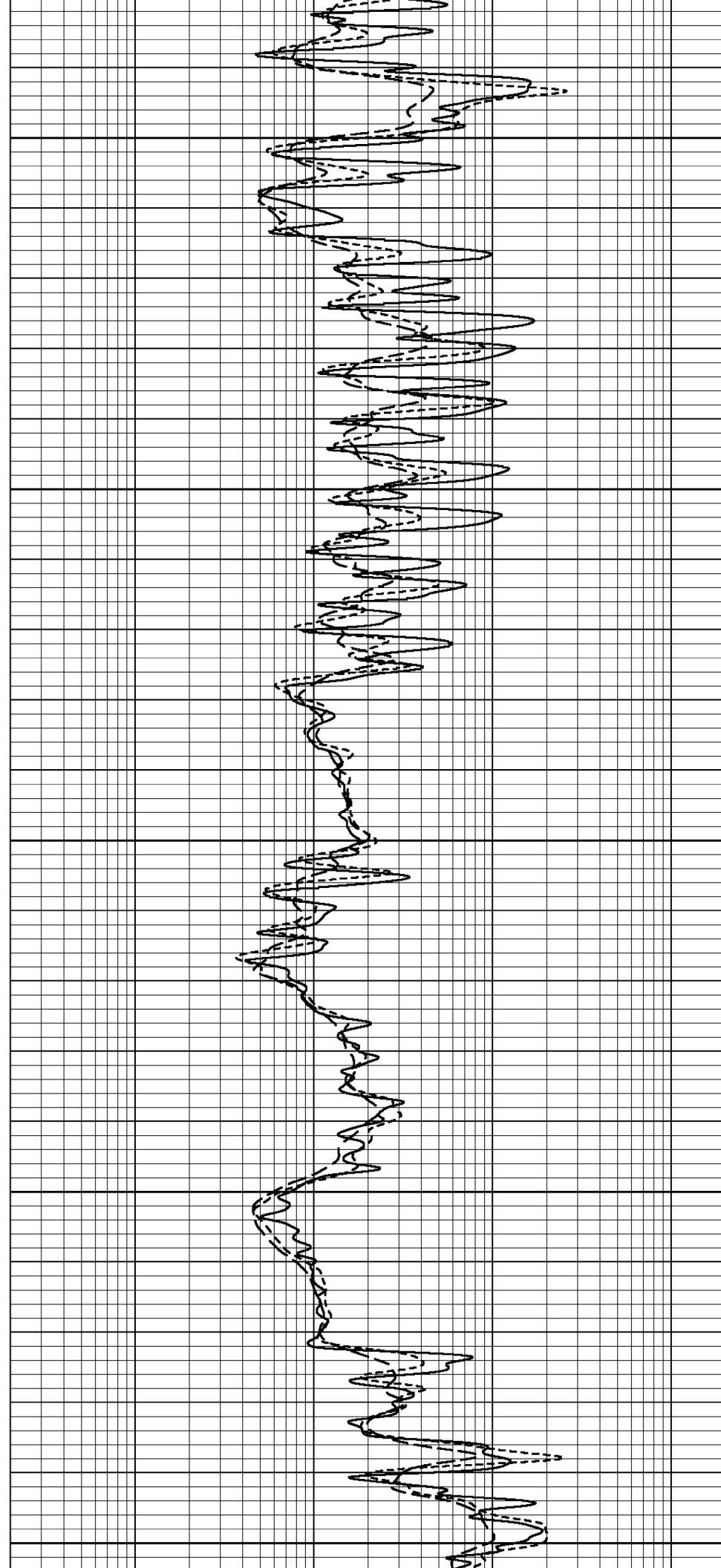
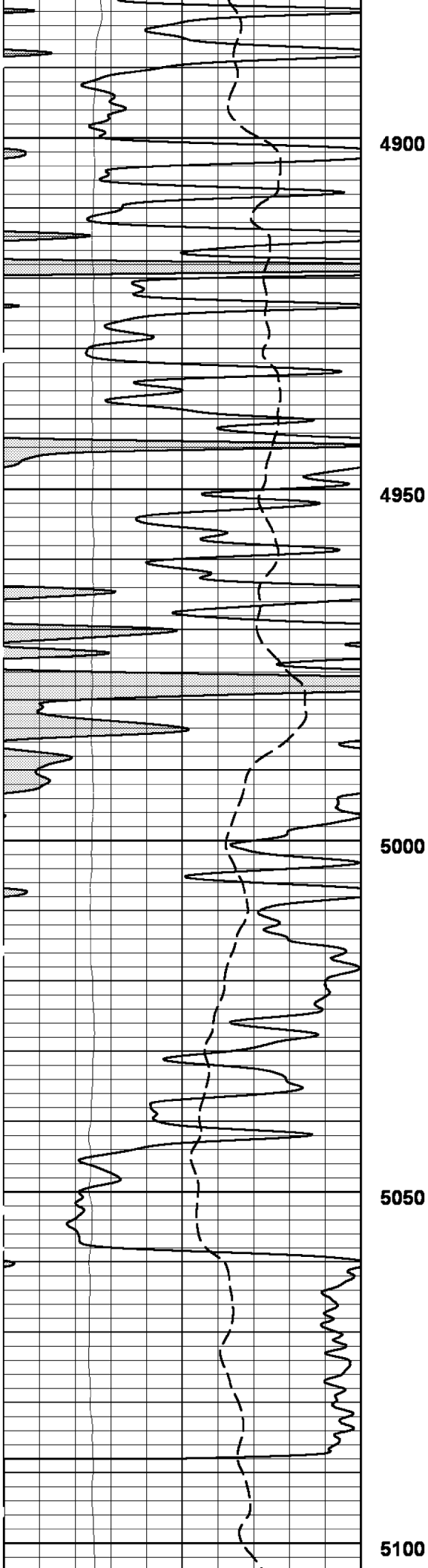


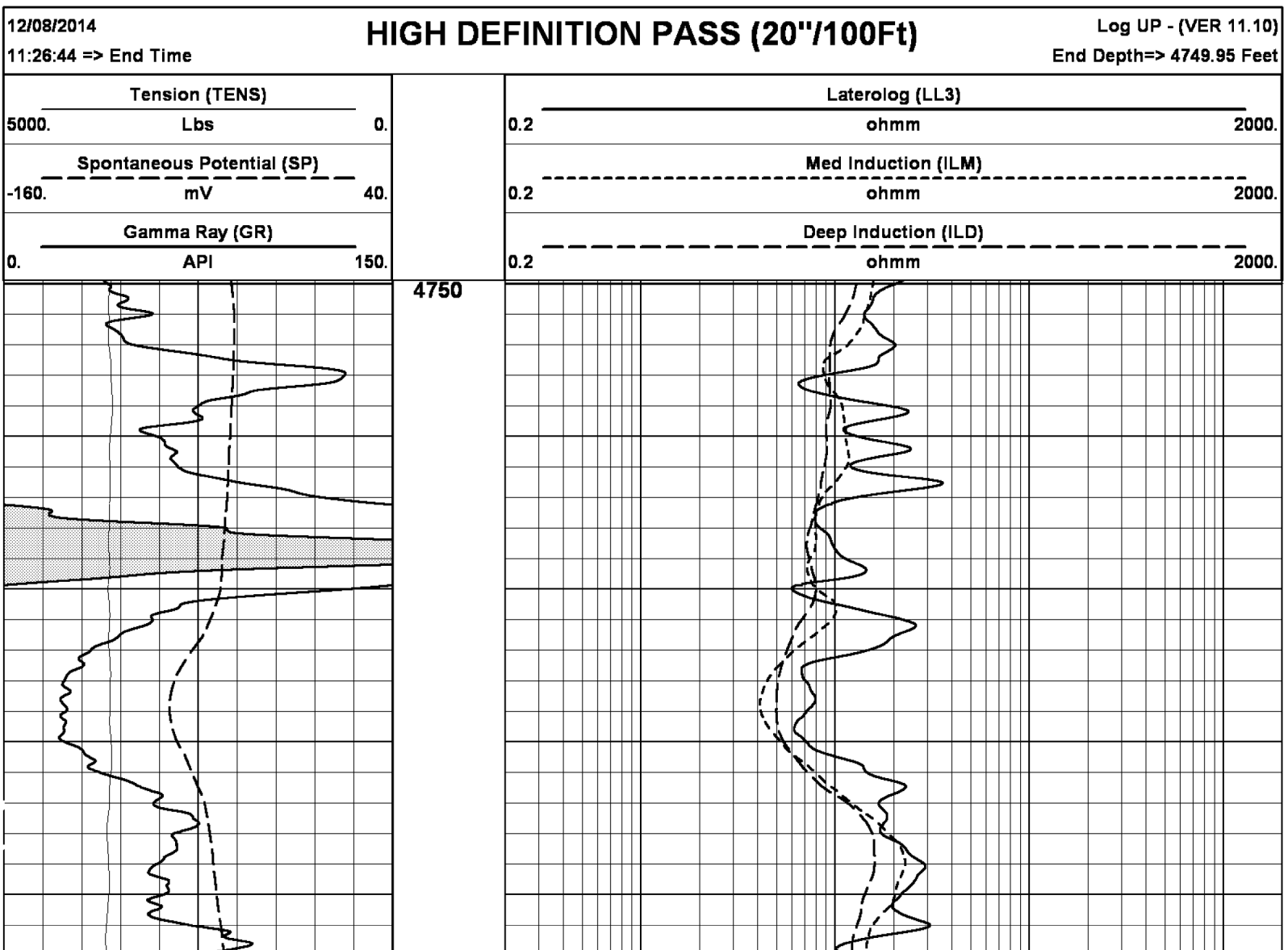
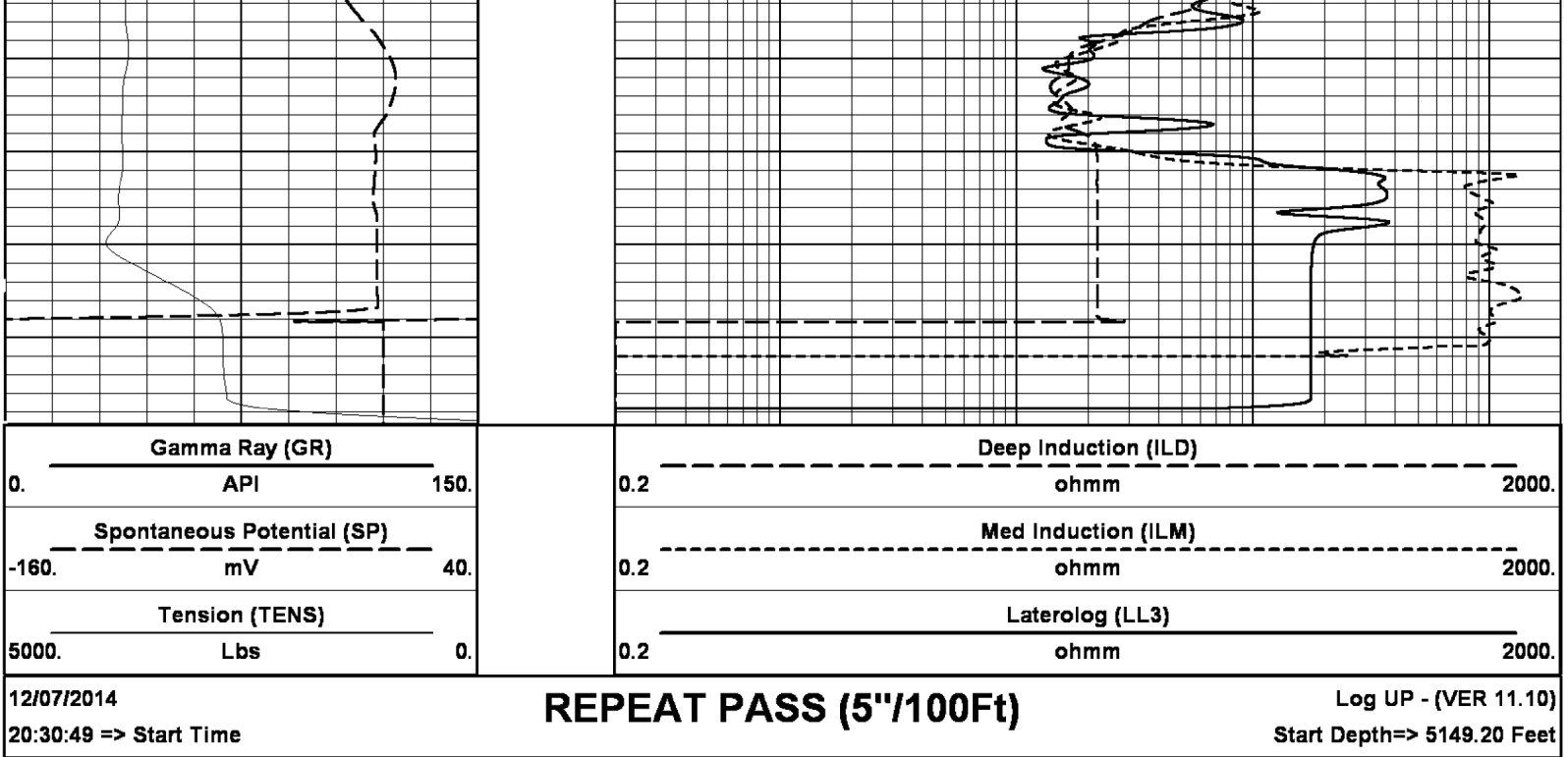


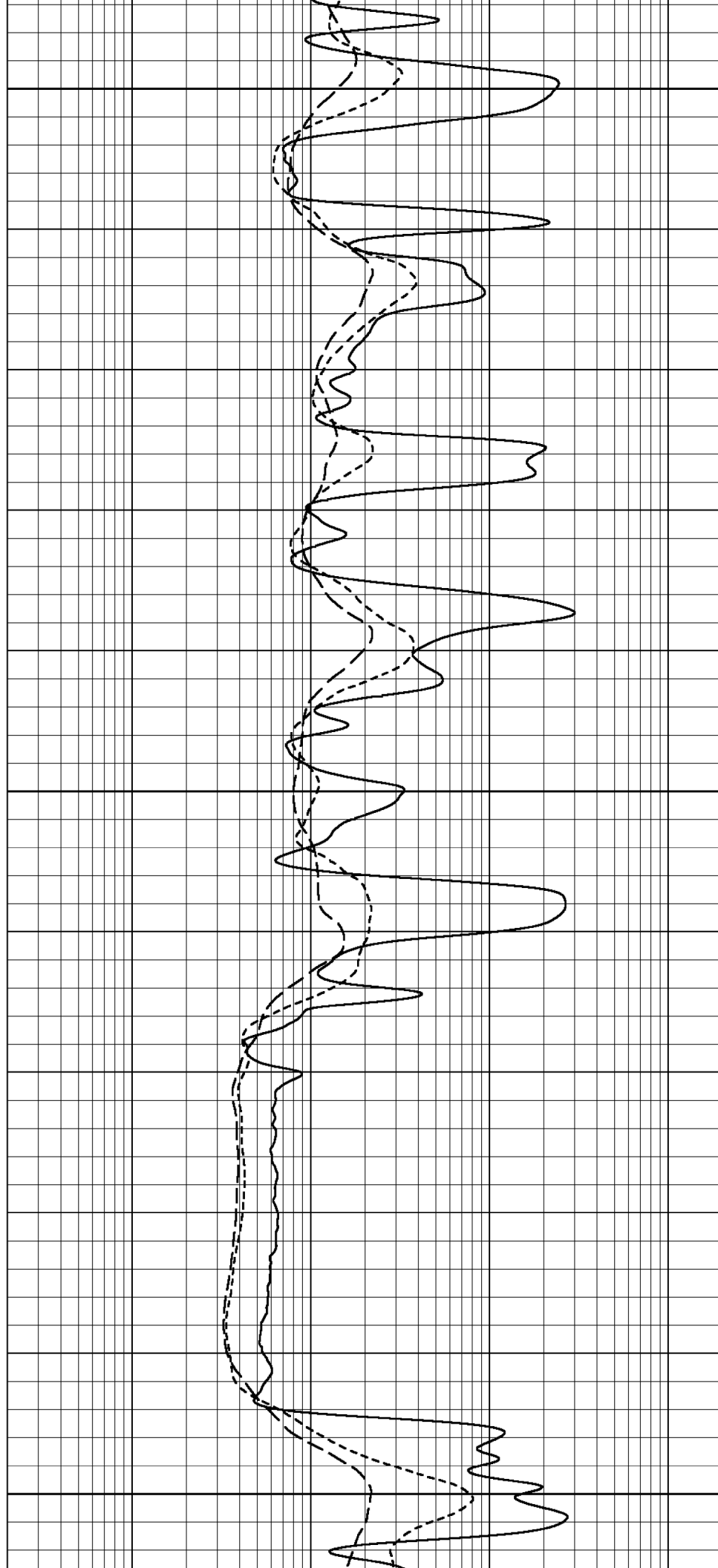
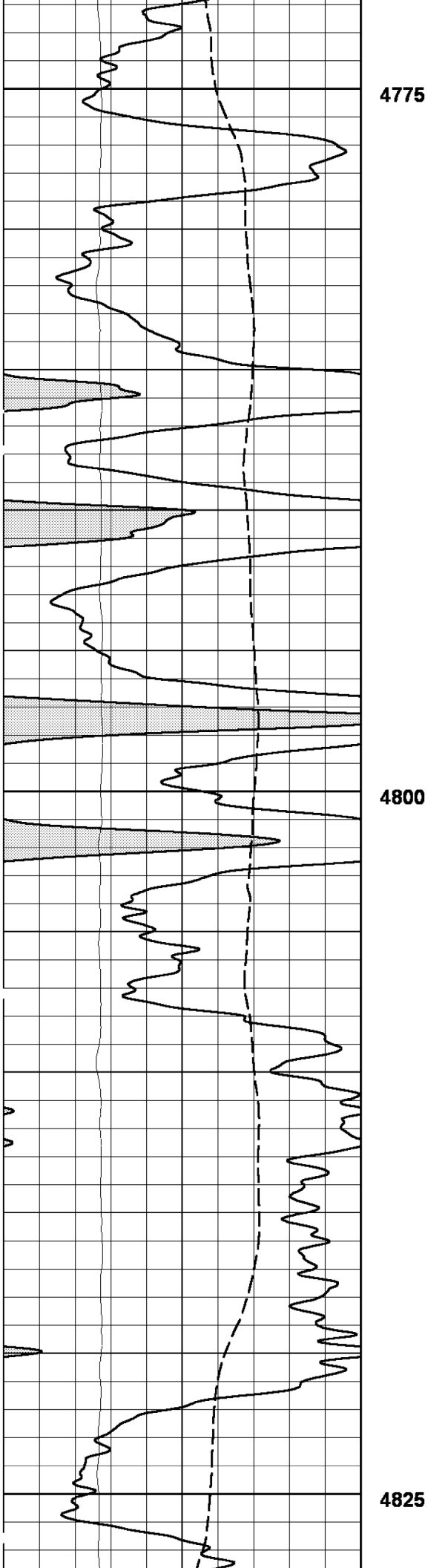


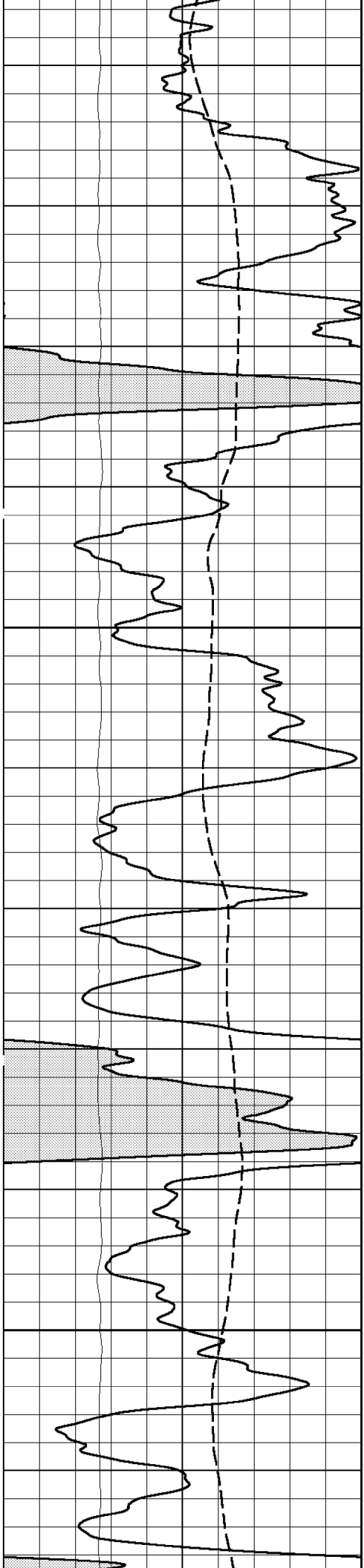






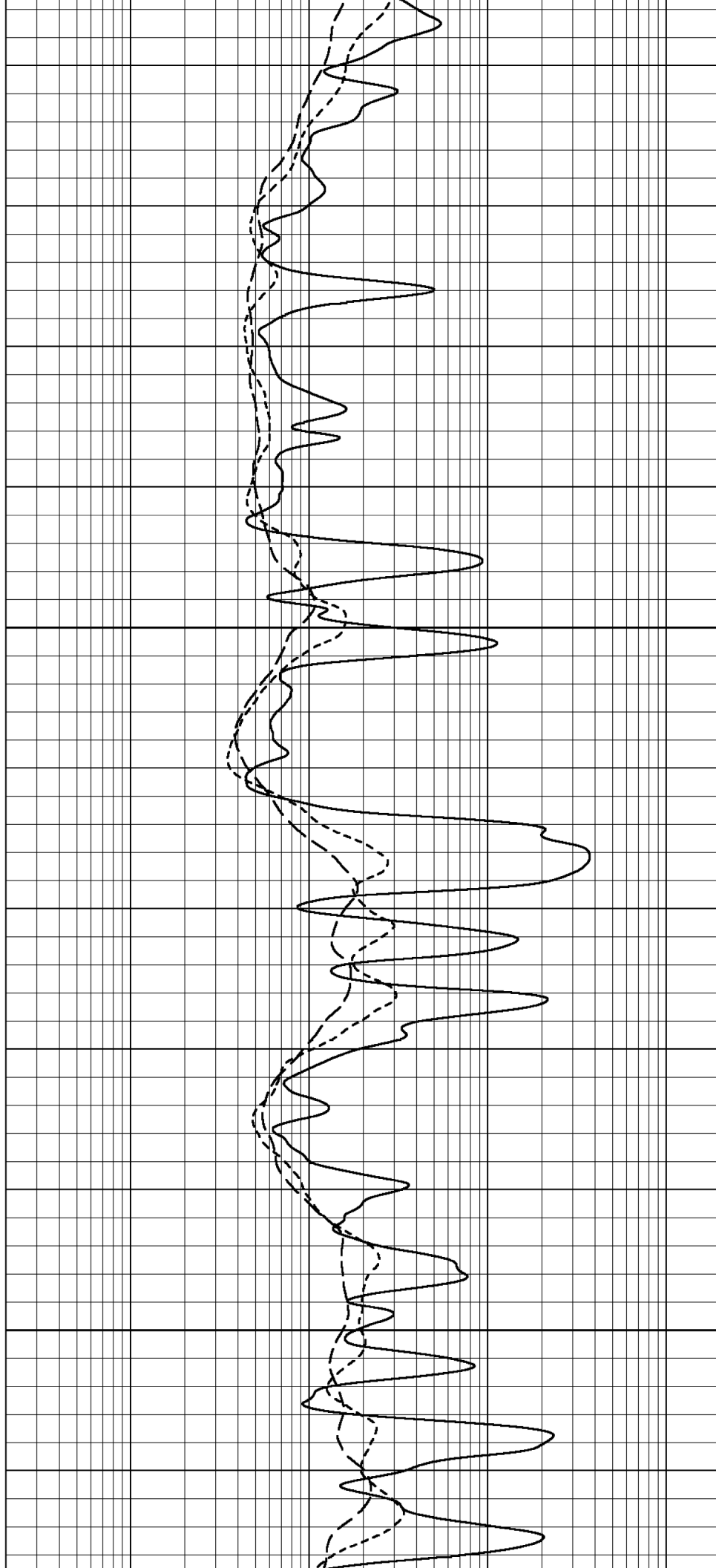


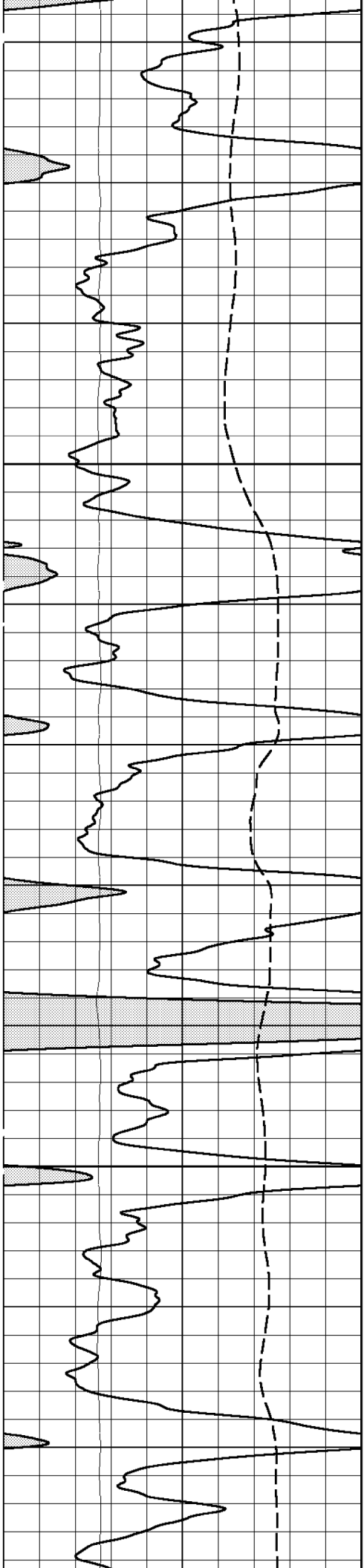




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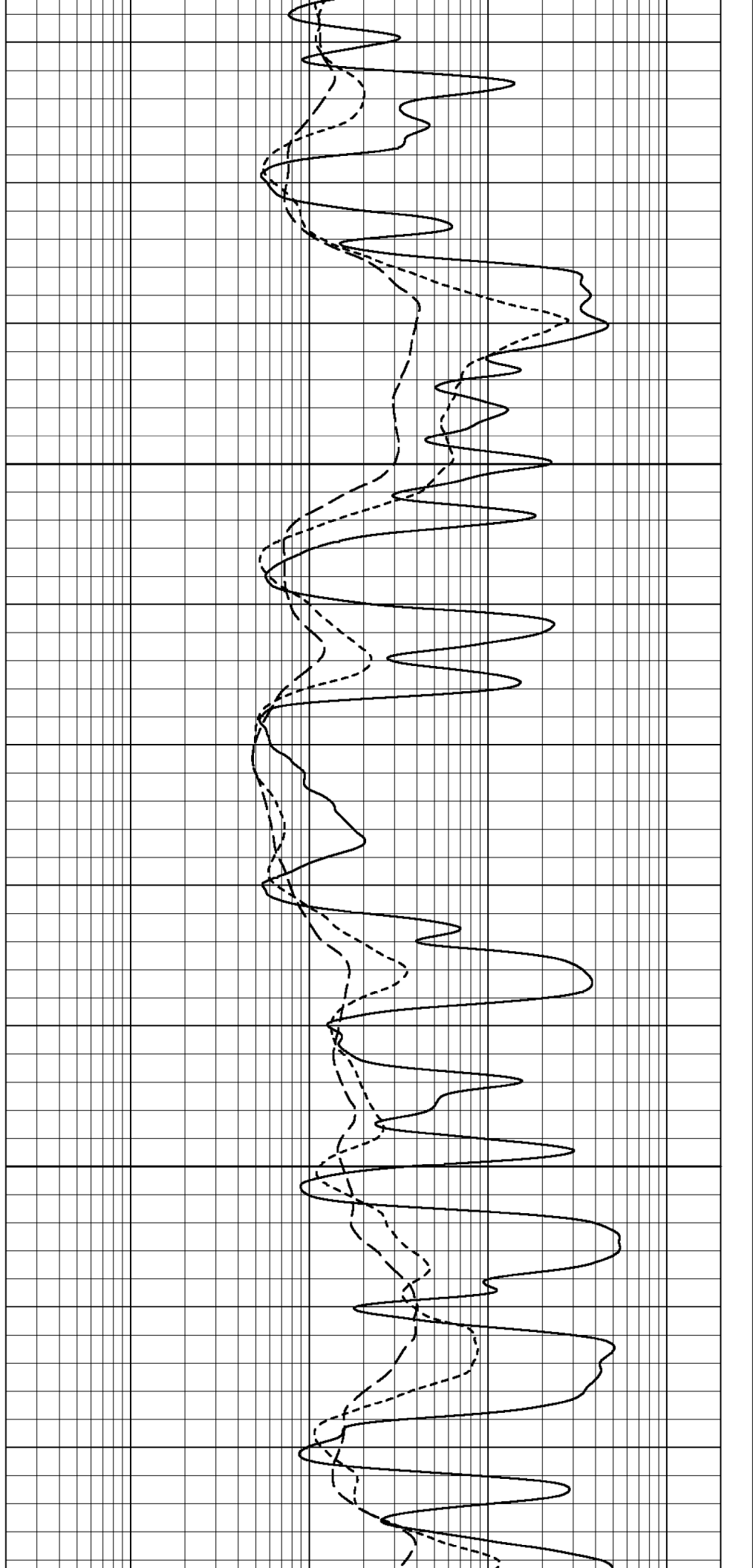
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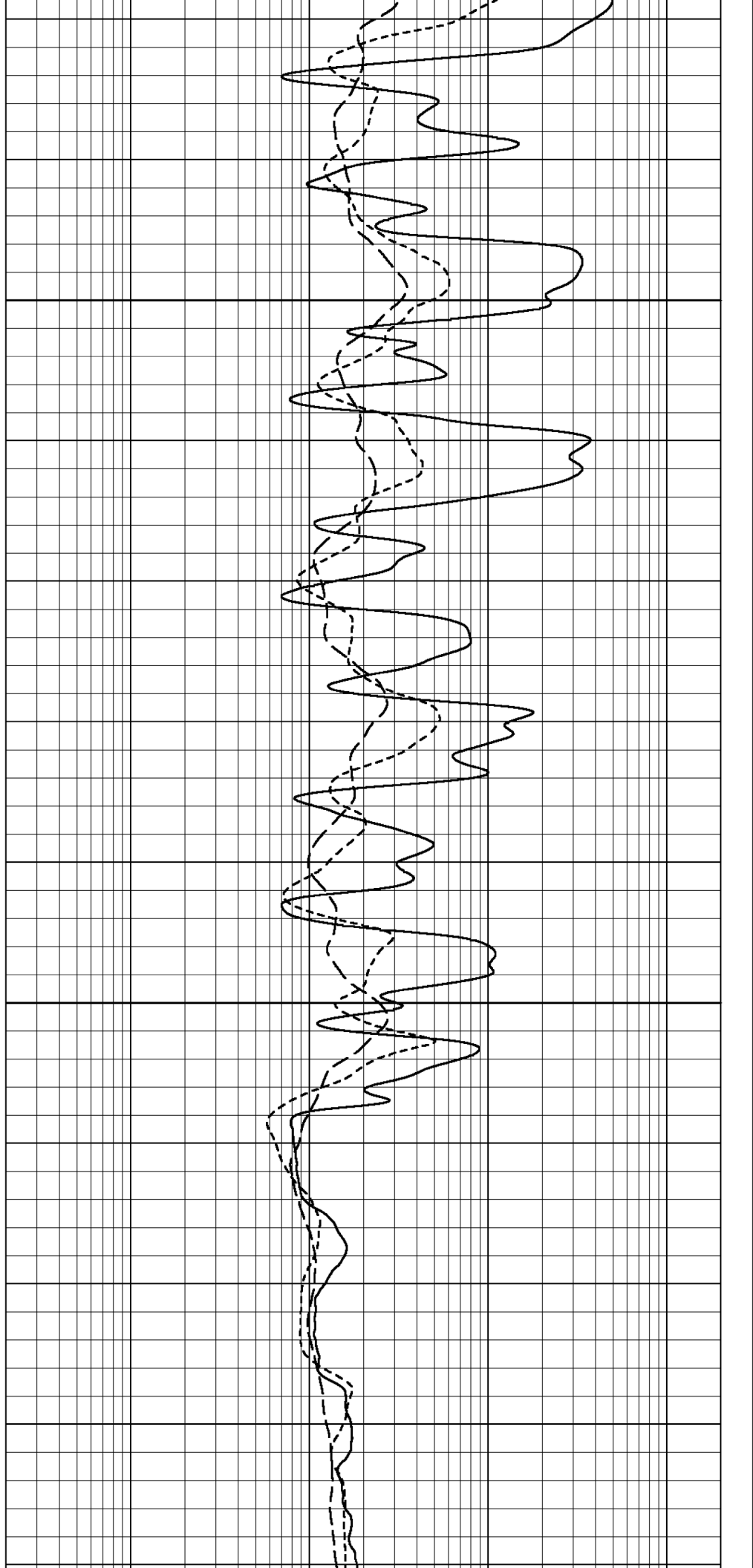
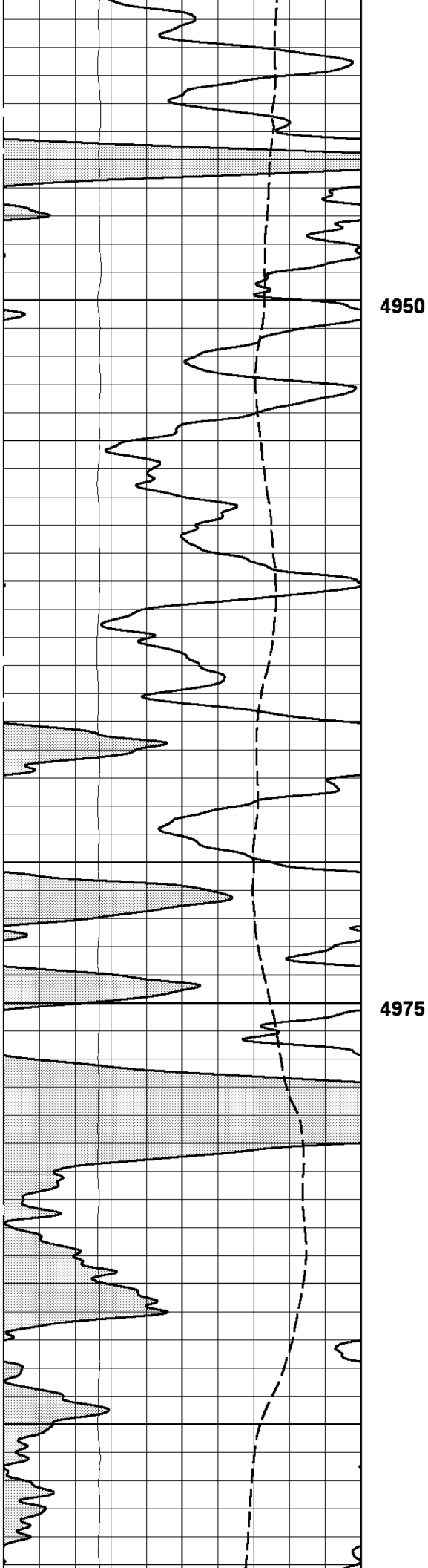


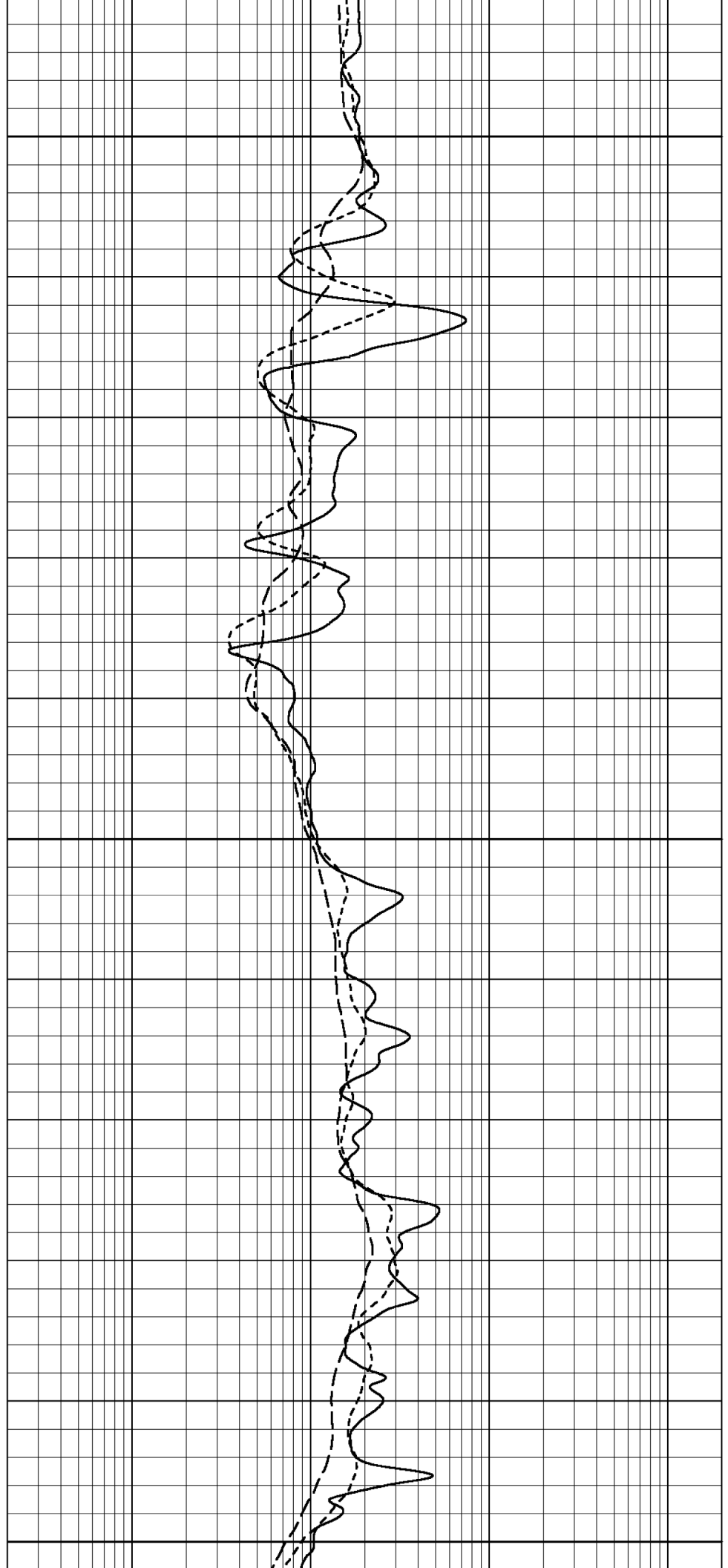
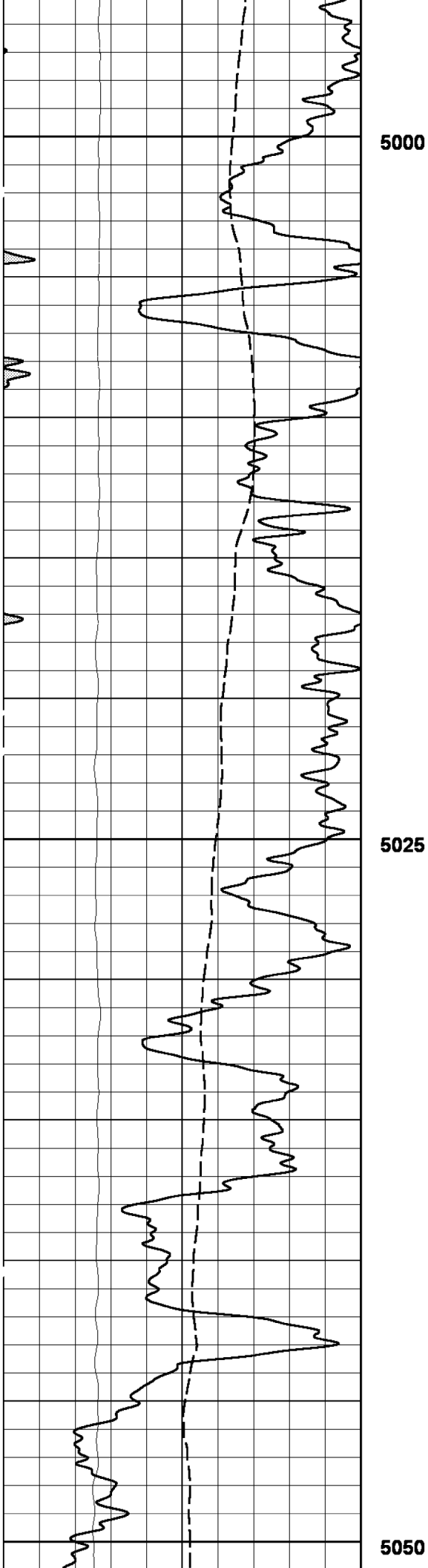


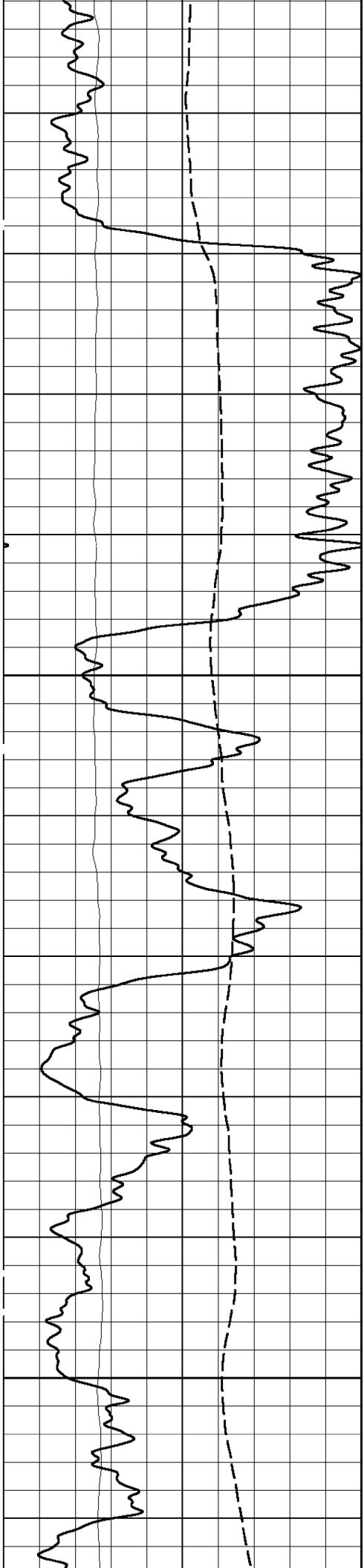
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4925



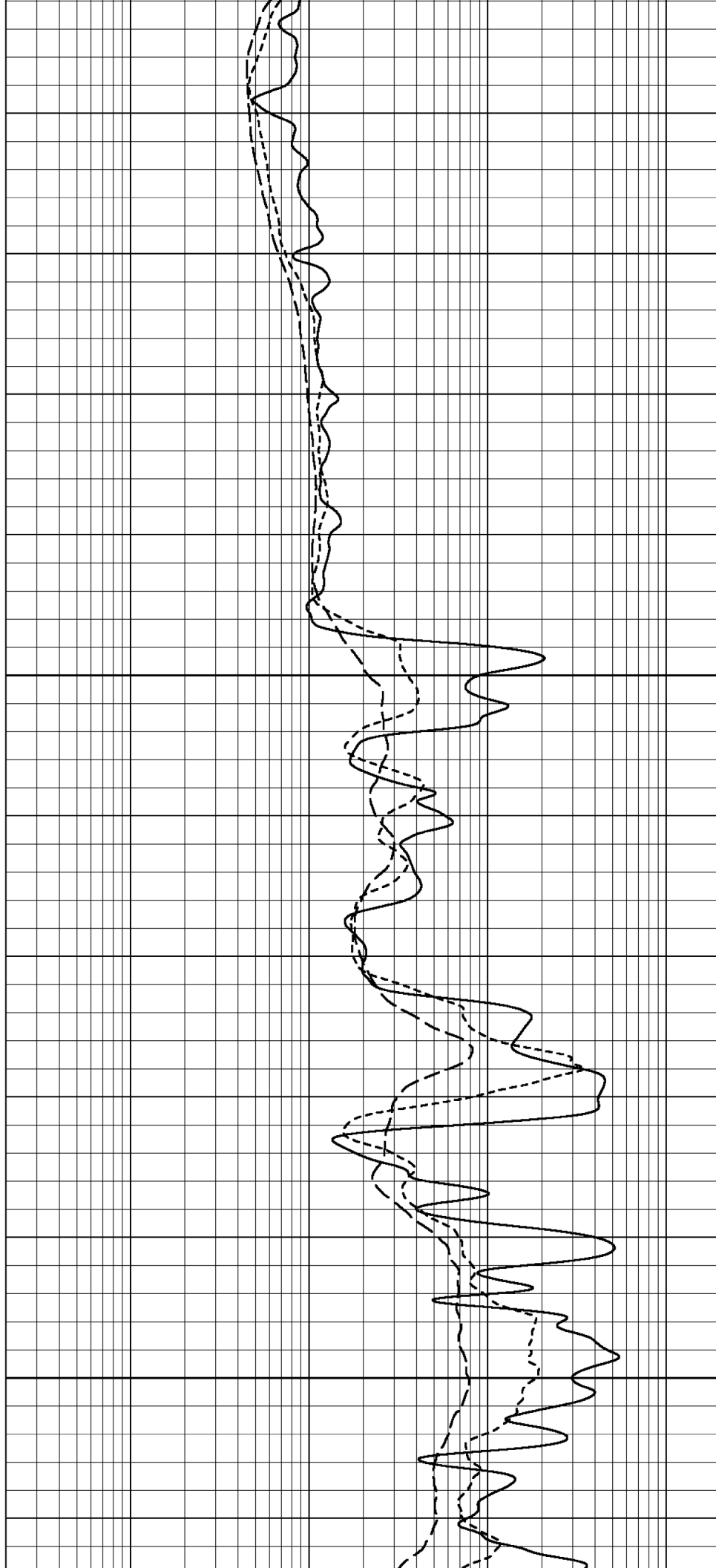


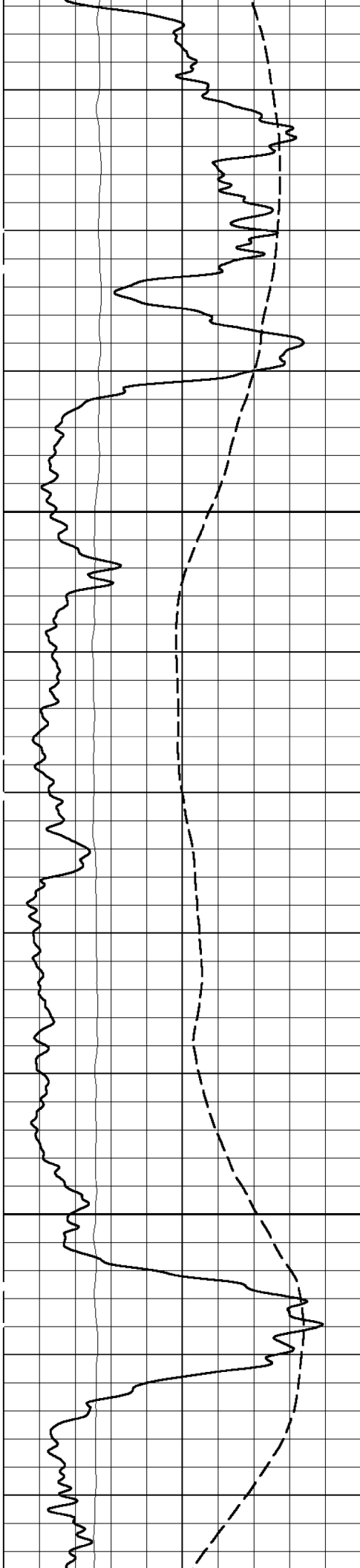




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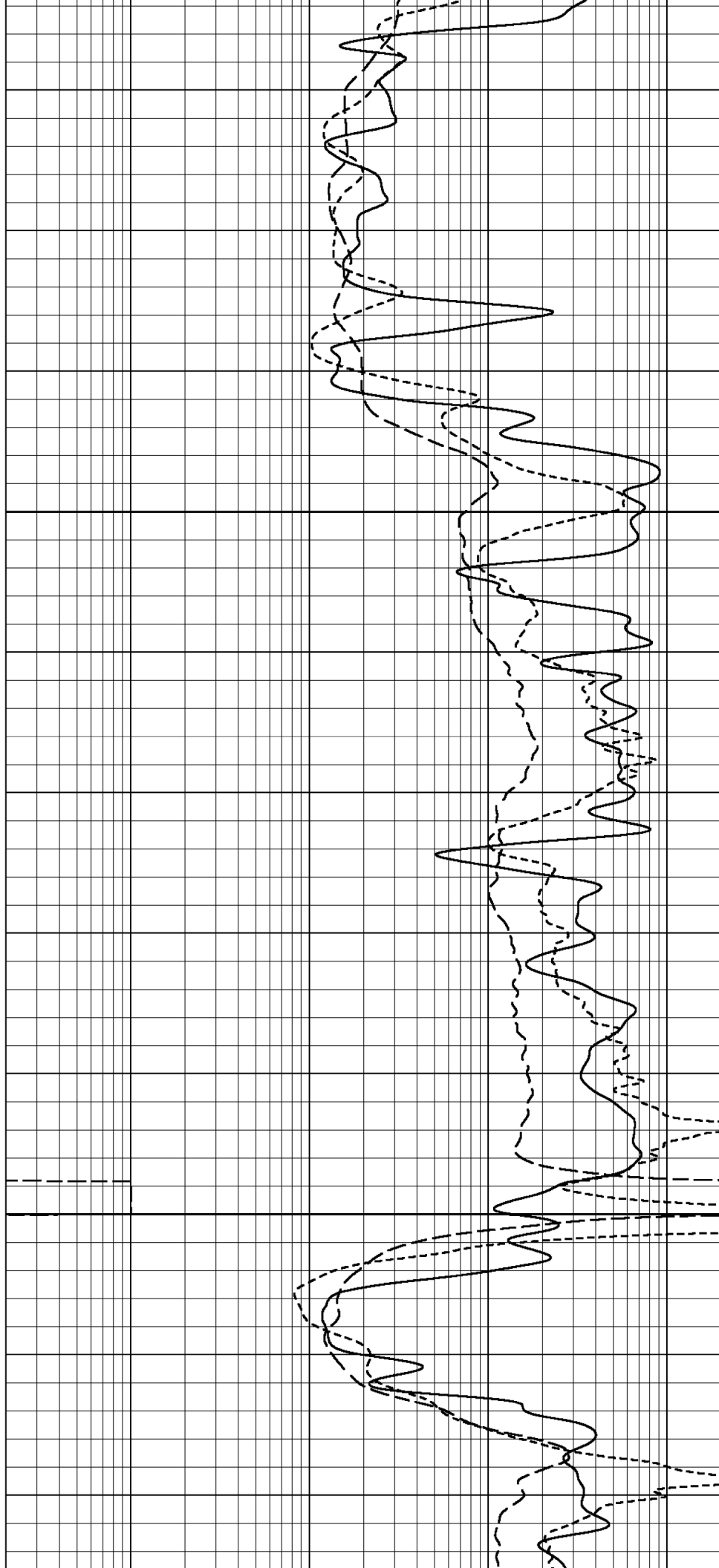
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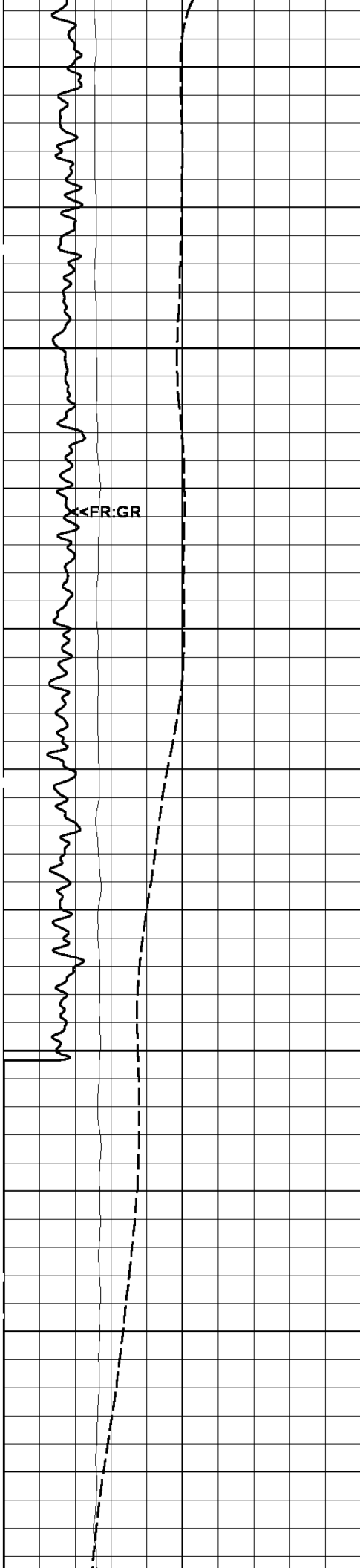




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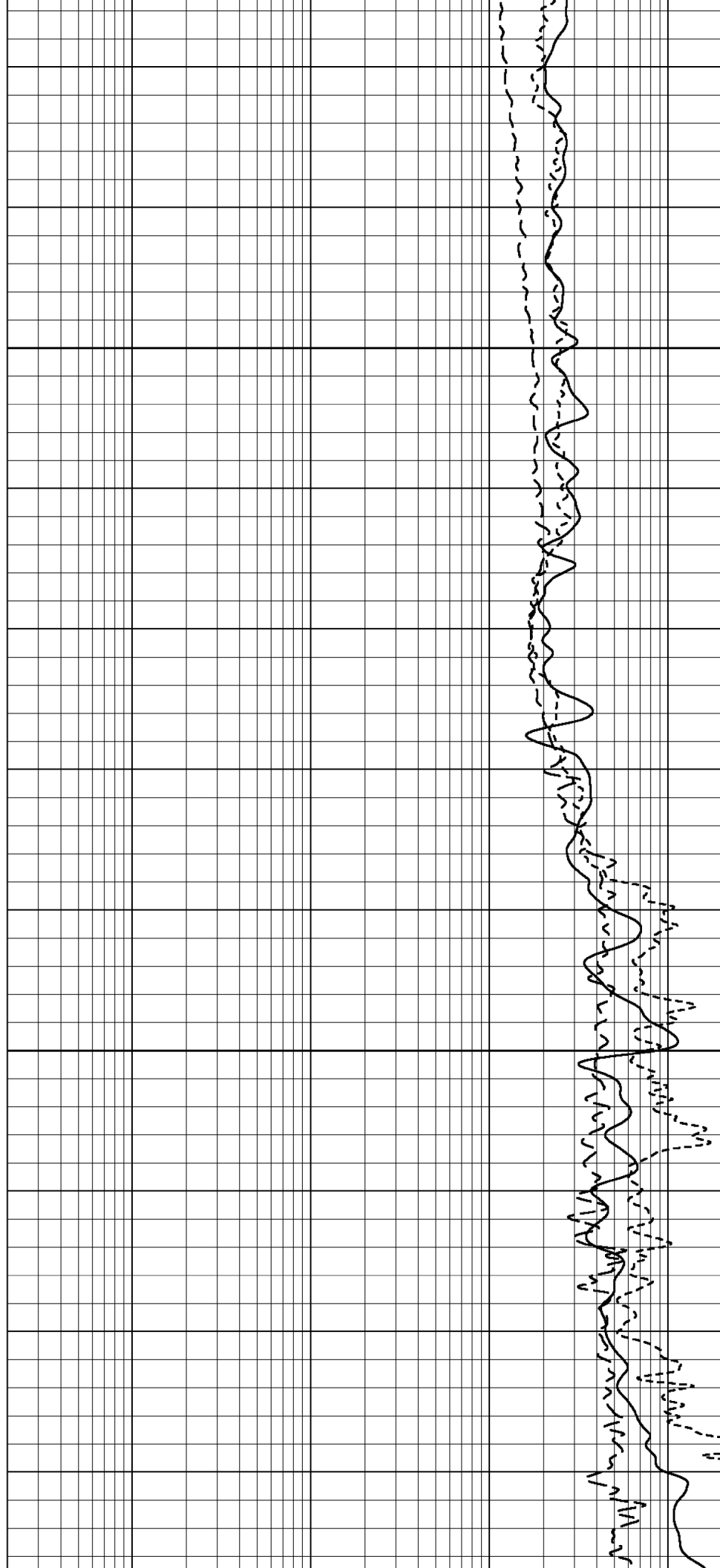
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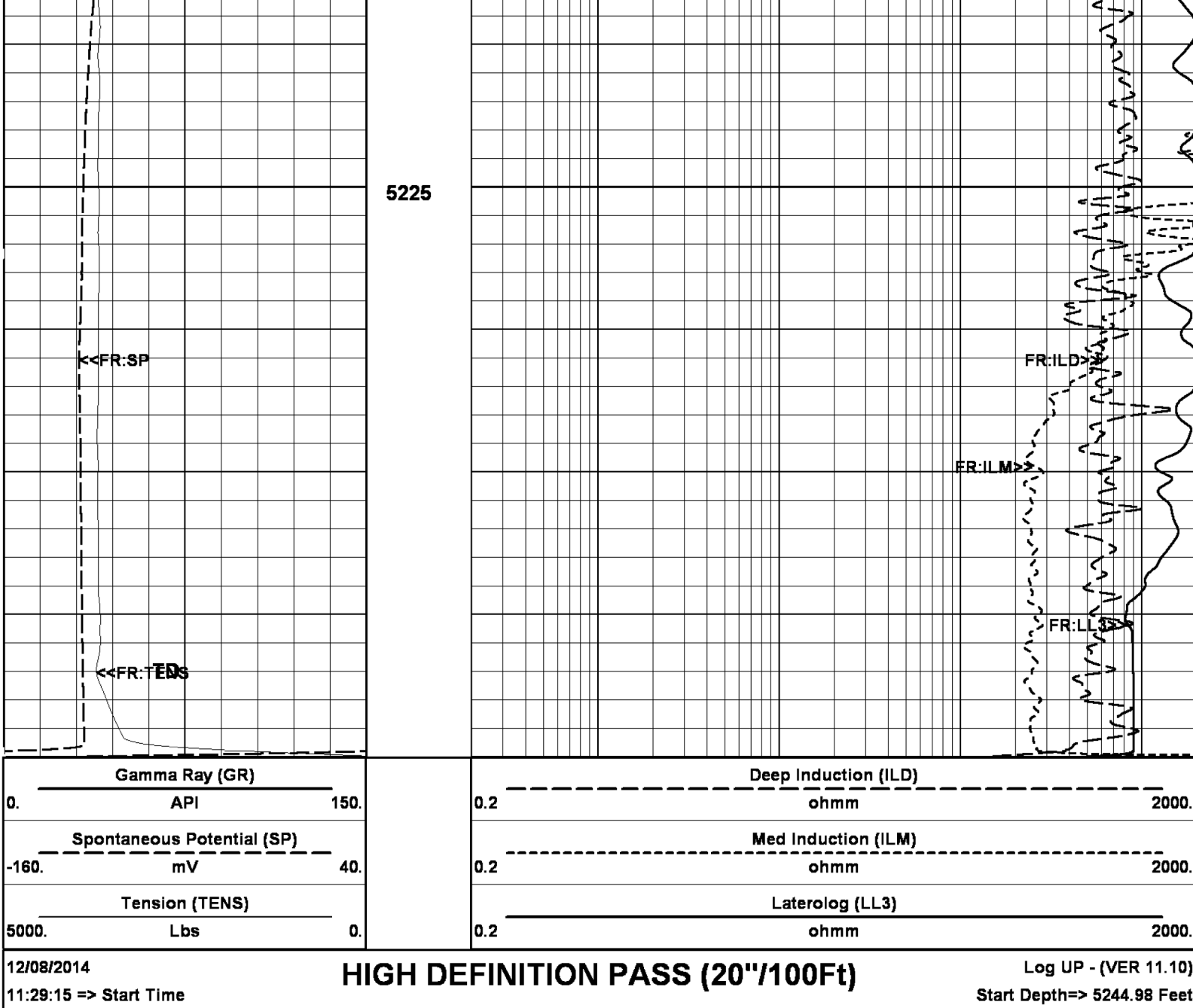




5175

5200





Induction Resistivity / Conductivity Calibrations

TOOL TYPE Slim Hole Induction
SERIAL NUM 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	499.231	-11.814	652.029	M/D/Y> 8/5/2014	H:M:S> 11:9:25
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)		M/D/Y> 8/5/2014	H:M:S> 11:23:45
	2.000		500.000		11.666	2543.098		

WELL SITE CALIBRATIONS

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GAMMA RAY CALIBRATION

SERIAL NUM RG3006
BLANKET NUM 1A

MASTER CALIBRATIONS

	BackGrnd	CalVal: 159.000 API	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	118.034 - raw	636.485 - raw	0.307 - gain 0.000 - off	M/D/Y> 12/4/2014	H:M:S> 12:34:14

Company	BANKS RESOURCES
Well	SUNRAY FARMS #1-9
Field	WILDCAT
County	GREELEY
State	KANSAS

RECON

DUAL INDUCTION
LATEROLOG - SP
GAMMA RAY

12/07/2014 MAIN PASS (1"/100Ft) Log UP - (VER 11.10)
22:42:19 => End Time End Depth=> 399.50 Feet

