

Company				FALCON EXPLORATION, INC.			
Well				GILBERT NICKEL (NW) #1-25			
Field				N/A			
County				HASKELL			
State				KANSAS			
RECON COMPENSATED NEUTRON LITHOLOGY DENSITY GAMMA RAY X-Y CALIPER MICROLOG							
SEC		TWP		RGE		OTHER SERVICES:	
25		28S		31W		DIL SONIC	
Location: 2500' FNL & 2390' FWL				SE SE SE NW			
SURE: SAME		AP#:		15-081-22101-00-00			
Permanent Datum		Ground Level		Elev		ELEVATIONS	
Log Measured From		Kelly Bushing				K.B. 2855 G.L. 2842 D.F. 2854	
Drilling Measured From		Kelly Bushing					
Date	14-FEB-2015						
Run No.	ONE						
TD Driller	5550 ft			ft			
TD RECON	5551 ft			ft			
Bot Logged Interval	5550 ft			ft			
Top Logged Interval	4100 ft			ft			
Casing Depth Driller	8 5/8 in.			@ 1829		@	
Casing Depth RECON	8 5/8 in.			@ 1831		@	
Bit Size	7 7/8 in.					in.	
Drilling Fluid Type	Chemical						
Density	Viscosity			50 sec/qt			
Fluid Loss	PH			9.2 ml/30min		9.5 strip	
Source Of Sample	Flowline						
RM @ Measured Temp	1.027 Ohmm			@ 75		Ohmm @	
RMF @ Measured Temp	0.770 Ohmm			@ 75		Ohmm @	
RMC @ Measured Temp	1.283 Ohmm			@ 75		Ohmm @	
RM @ MRT	0.614 Ohmm			@ 130		Ohmm @	
Max Recorded Temp	130 DegF					DegF	
Time Drilling Stopped	14-FEB-2015			06:00			
Time Circulation Stopped	14-FEB-2015			09:30			
Time Logger On Bottom	14-FEB-2015			13:11			
Unit Num	Location			S409		OKLAHOMA CITY, OK	
Recorded By	H. GARCIA						
Witnessed By	MR. D. WILLIAMS						

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.
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RIG INFORMATION	
Drill Contr/Rig#	STERLING DRLG. #5

GENERAL REMARKS SECTION	
FIRST RUN IN THE HOLE CNL AND LDT LOGGED IN A LIMESTONE MATRIX TOP MARK - 1841, BOTTOM MARK - 5445.3 CNL/LDT LOGGED MATRIX: 2.71 g/cc. CHLORIDES: 4000 ppm LCM: 3 lbs/bbl THANK YOU FOR USING RECON PETROTECHNOLOGIES LTD.	AHV CALCULATED ON 5.5" PROD. CASING Got stuck on main pass @ 4664' ***On down log due to speed readings flatline *****From 4440 - 4750 and it was logged **** At 230 ft/min***** CREW: M. CALLENTINE, B. THOMAS

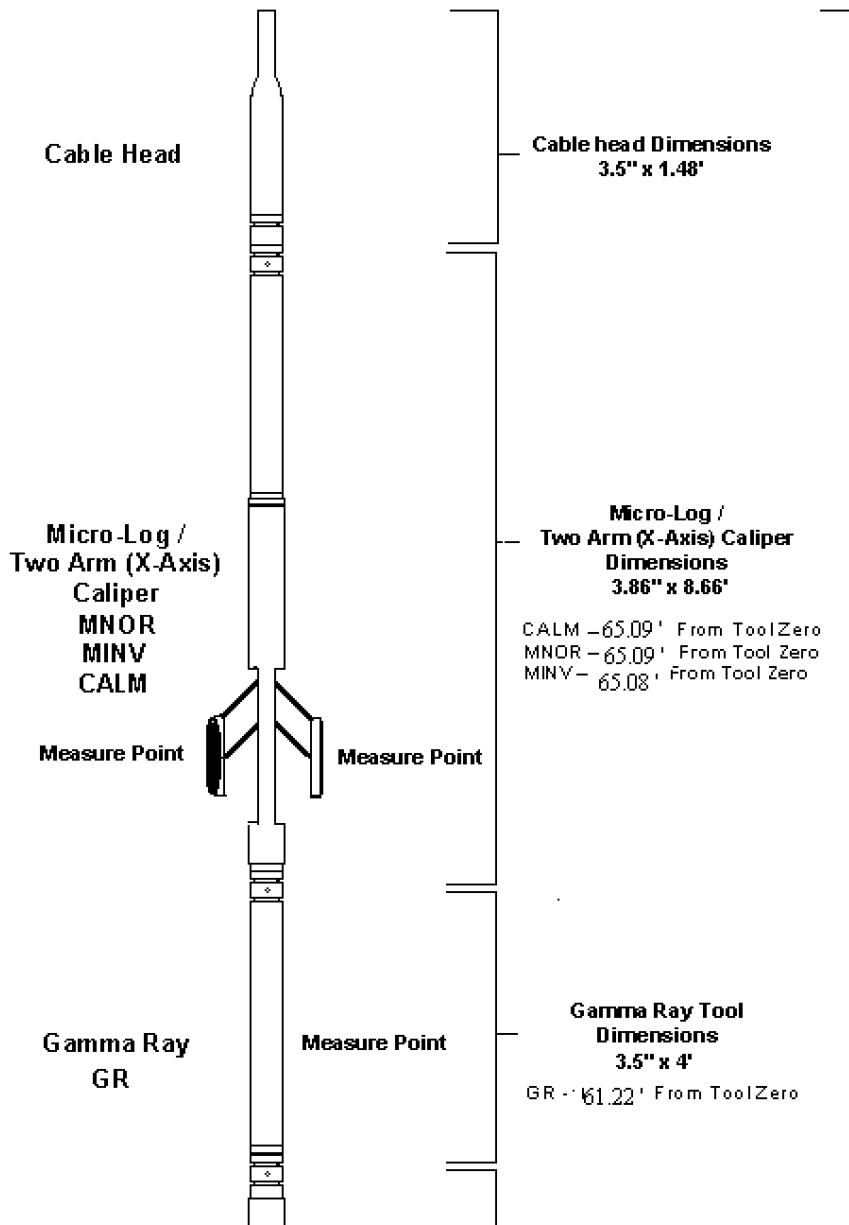
CEMENT VOLUME CALCULATIONS SUMMARY

Tool Type	LDT-CNT	Caliper Type		
Tool Serial #	RN2002 / RL4103			
	Borehole Total	Annular Volume with Casing	From Depth (MKb)	To Depth (MKb)
VOLUMES	??? Cubic Feet	??? Cubic Feet	4100	TD 5551

CASING INFORMATION

	SIZE (in)	GRADE	WEIGHT (lbs/ft)	ID (in)	TOP DEPTH	BOT DEPTH
SURFACE CASING	8 5/8	J-55	24	8.097	Surface	1831
INTERMEDIATE CASING	N/A	N/A	N/A	N/A	Surface	N/A
PRODUCTION CASING	5 1/2	J-55	15.5	4.950	Surface	TD

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



Compensated Neutron
Y - Axis Caliper
NP (SS,LS,DL)
CALY

Compensated Neutron
Y-Axis Caliper
Dimensions
3.98" x 10.25'

CALY - 52.89' From ToolZero
CNL LS - 52.07' From ToolZero
CNL SS - 51.48' From ToolZero

Measure Point

Digital Telemetry

Digital Telemetry Section
Dimensions
3.5" x 3.15'

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 - 38.94' From ToolZero
LDT w1 -
LDT w2 -
LDT w3 - -38.68' From ToolZero
LDT w4 -
LDT SS - 38.19' From ToolZero

Tool String
Length Total
73.64'

Borehole
Compensated
Sonic

T-1
Transmitter 1

Borehole Compensated Sonic
Tool Dimensions
3.5" x 15.75'

SP(SS,LS,DL)
DT
TTI
VDL
TT

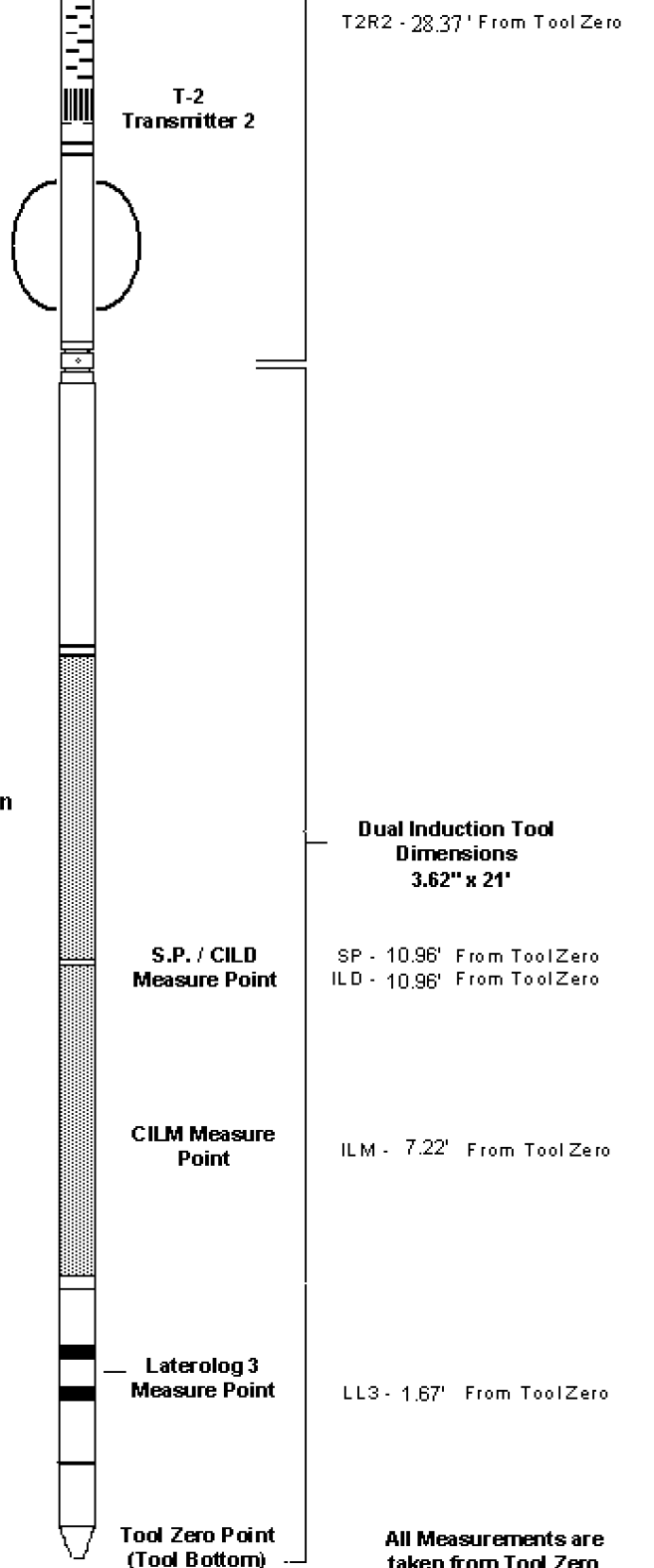
T1R1 - 33.35' From ToolZero
T1R2 - 31.35' From ToolZero

Measure Point
Tool First Reading
Point

R-1
Receiver 1

R-2
Receiver 2

T2R1 - 28.54' From ToolZero

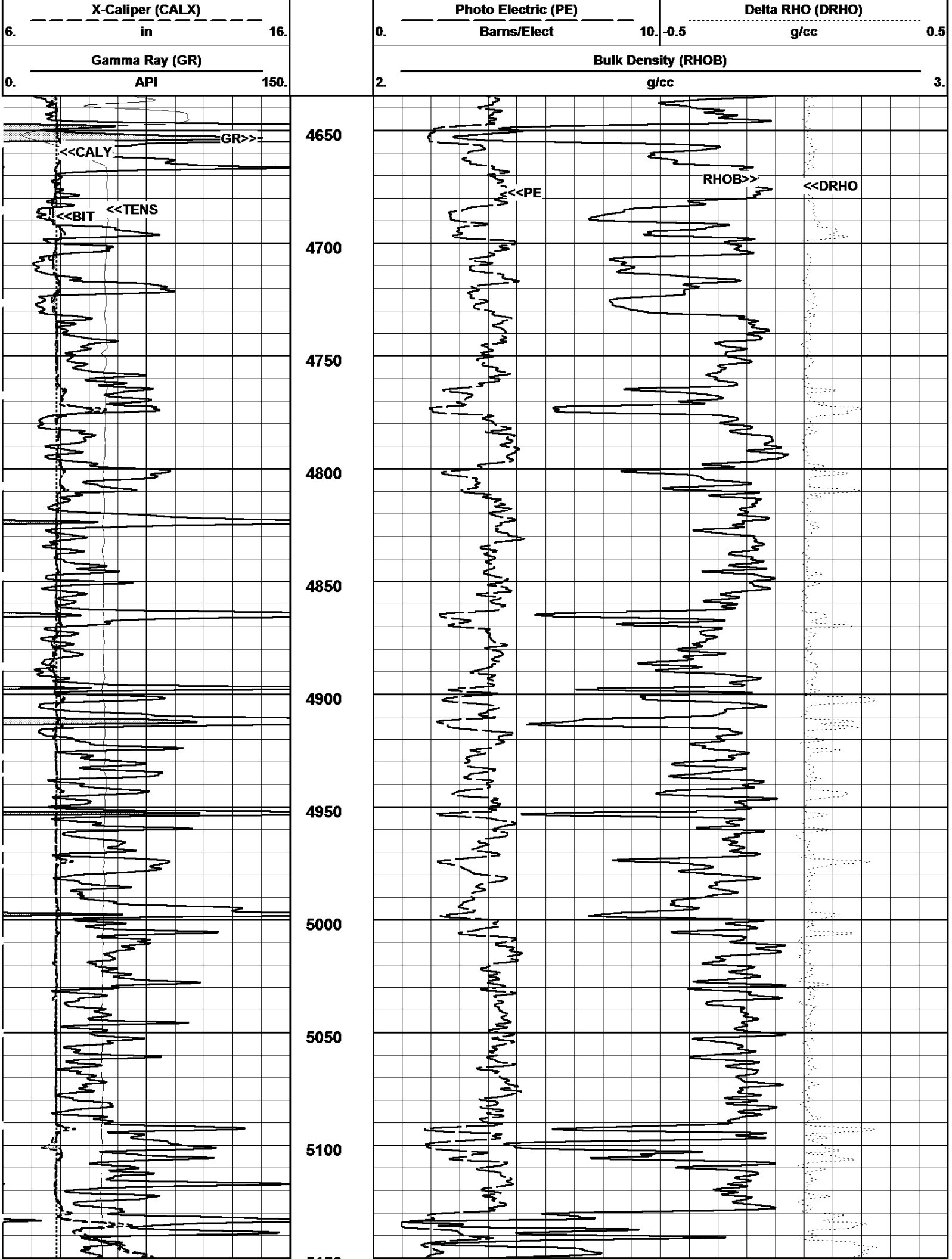


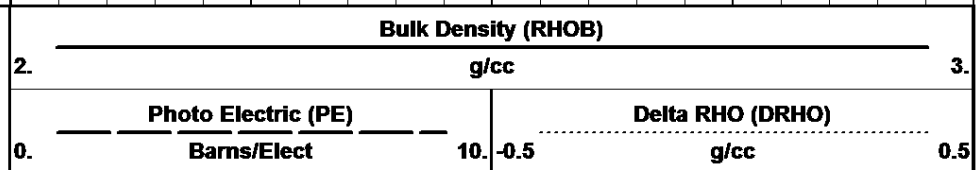
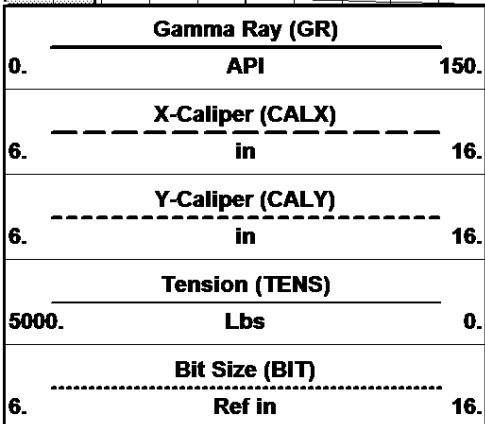
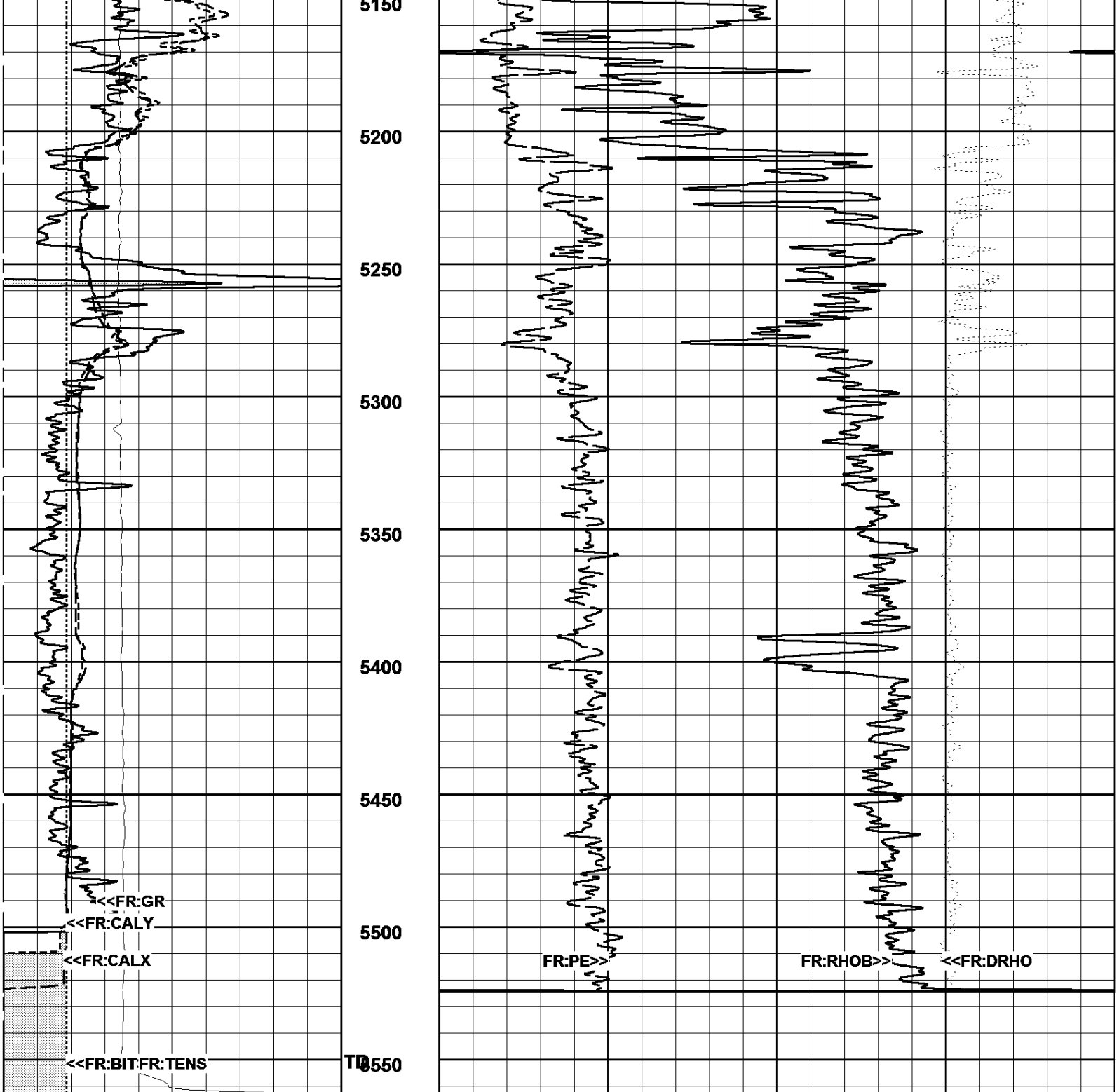
02/15/2015
12:53:02 => End Time

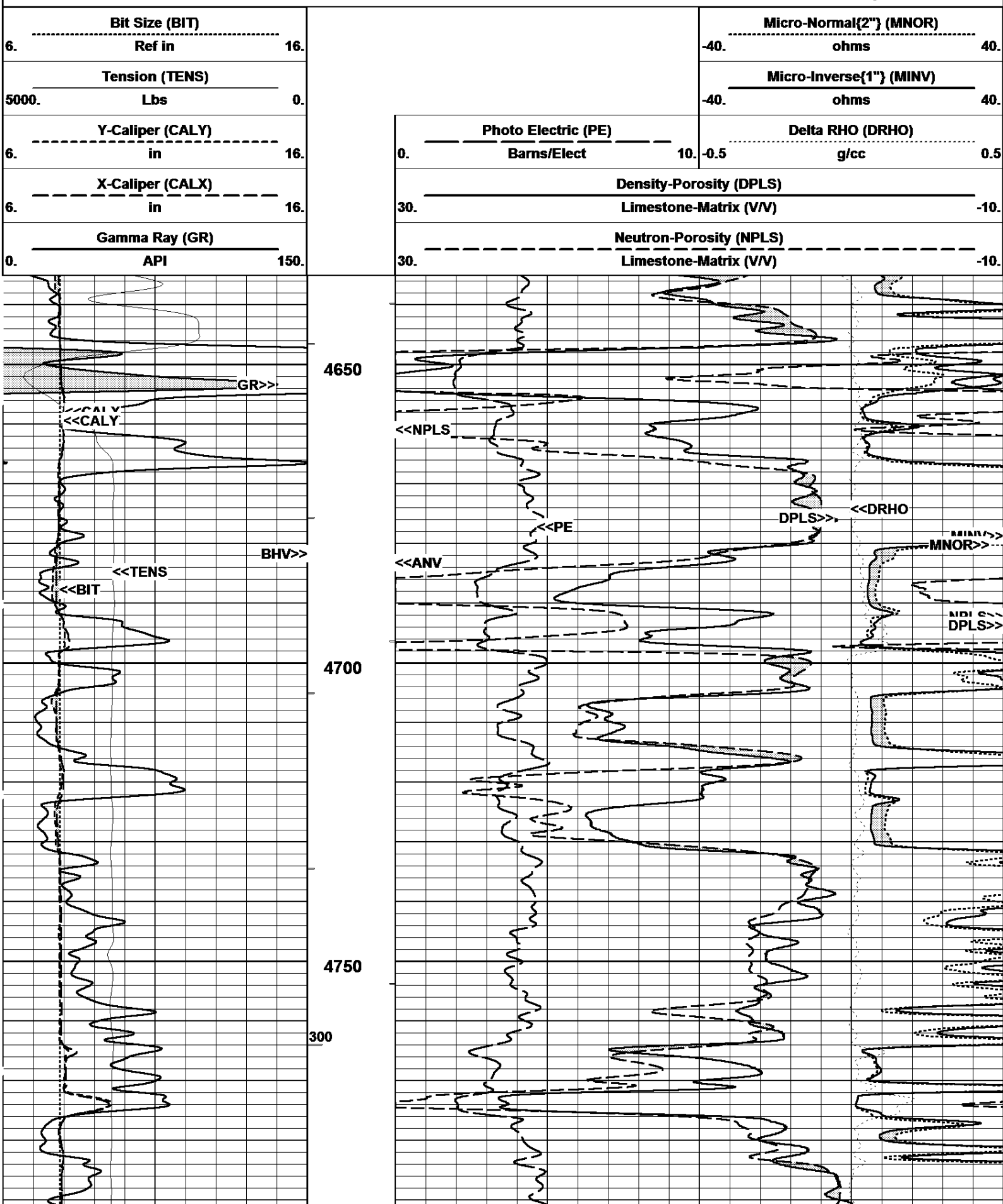
MAIN PASS - RHOB (2"/100Ft)

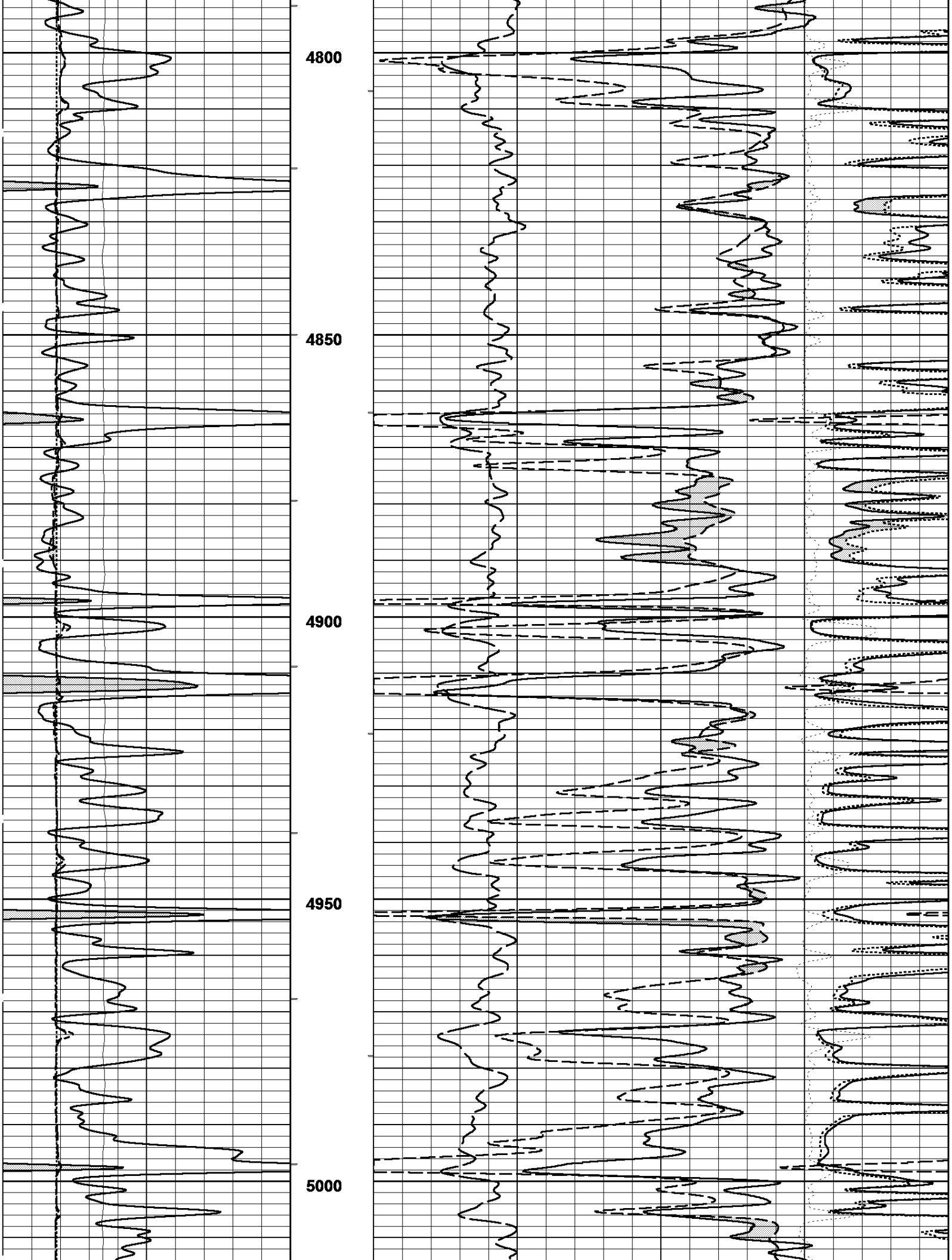
Log UP - (VER 11.19)
End Depth=> 4635.25 Feet

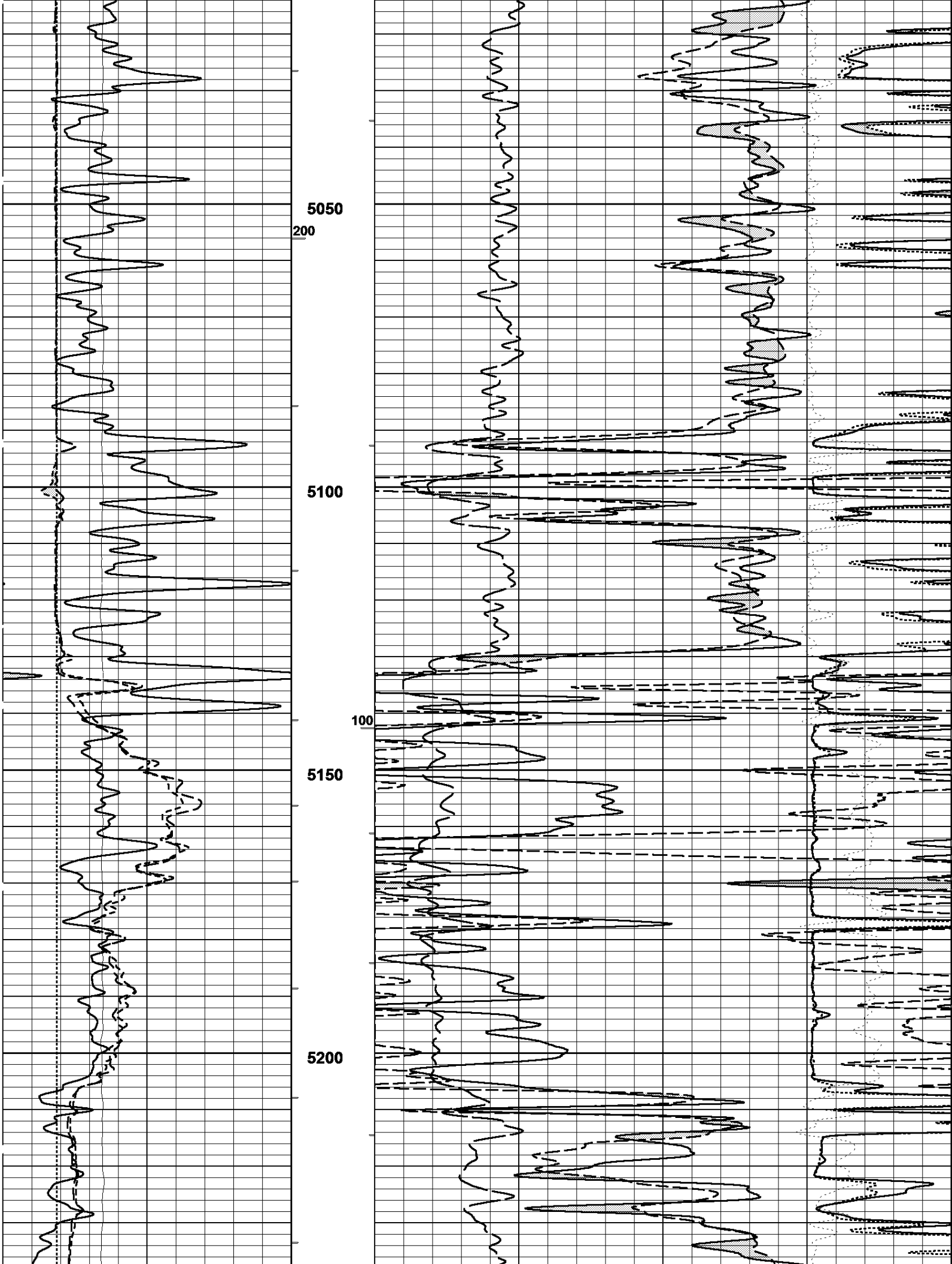
Bit Size (BIT)		
6.	Ref in	16.
Tension (TENS)		
5000.	Lbs	0.
Y-Caliper (CALY)		
6.	in	16.

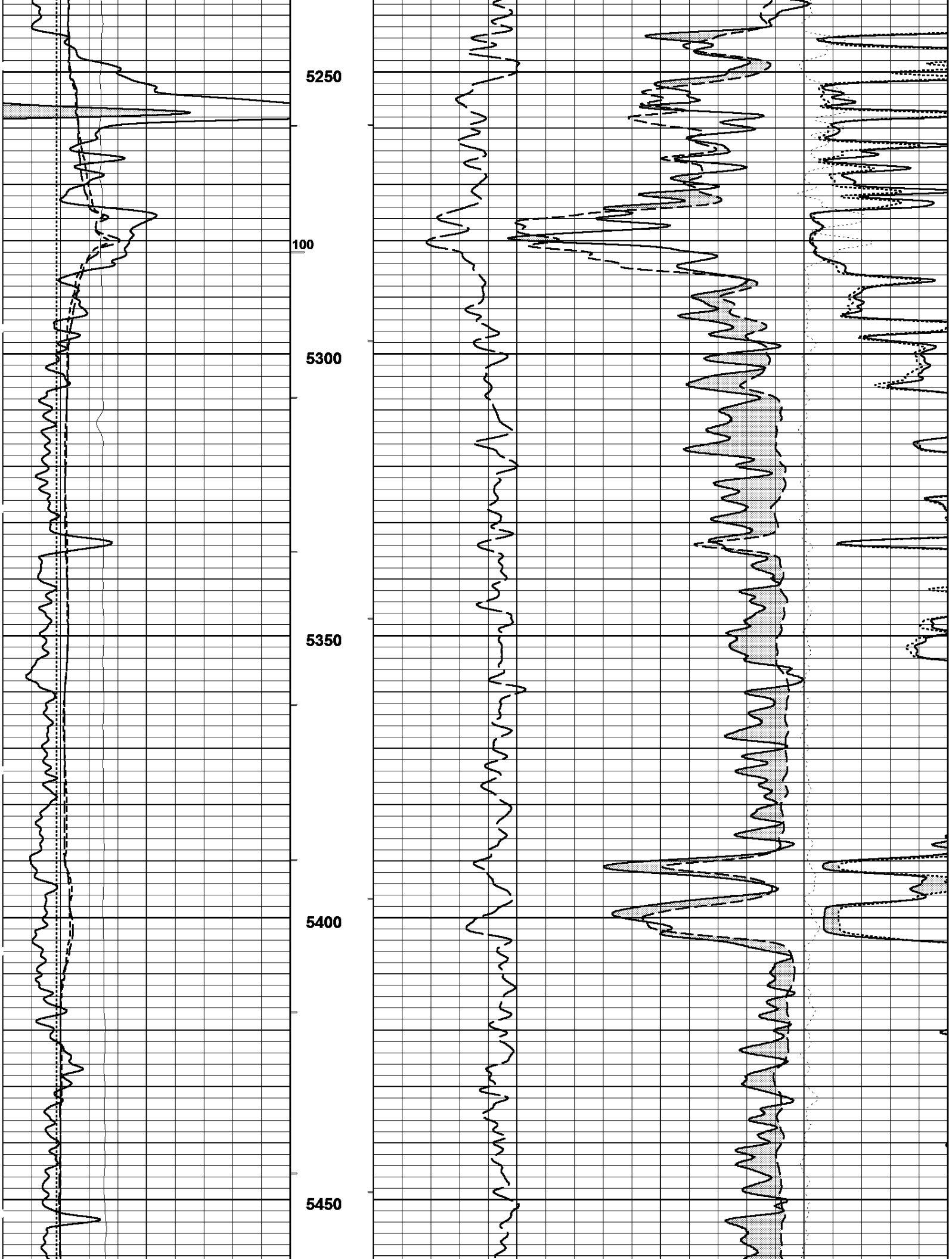


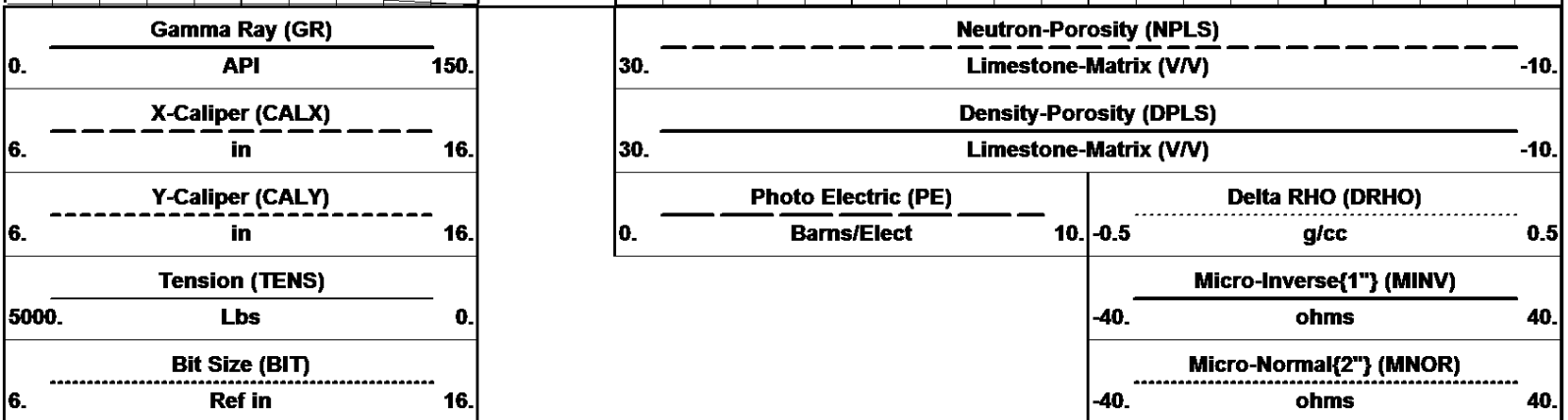
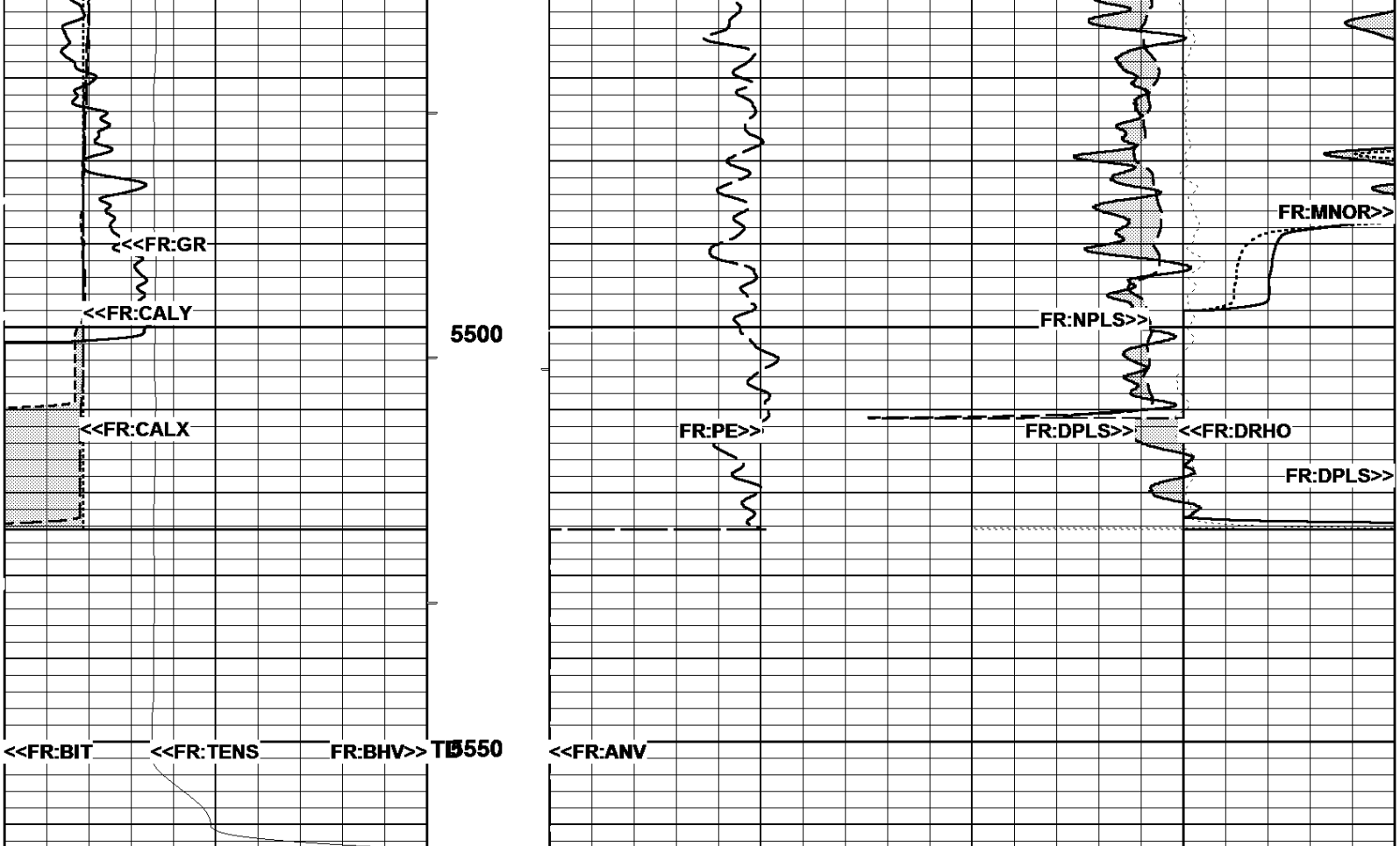




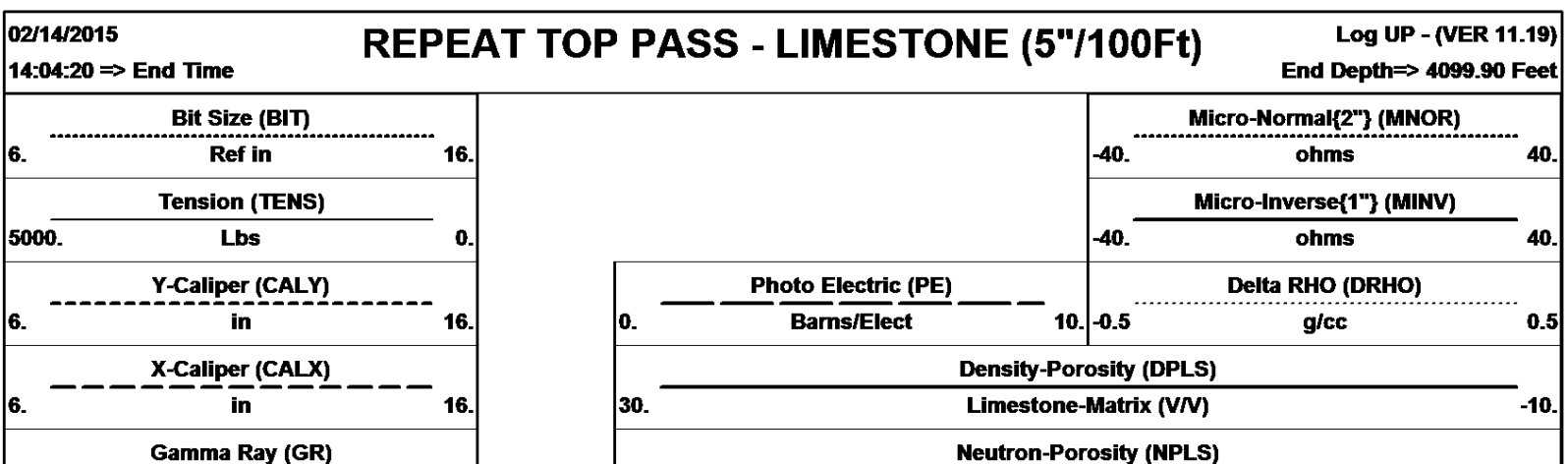


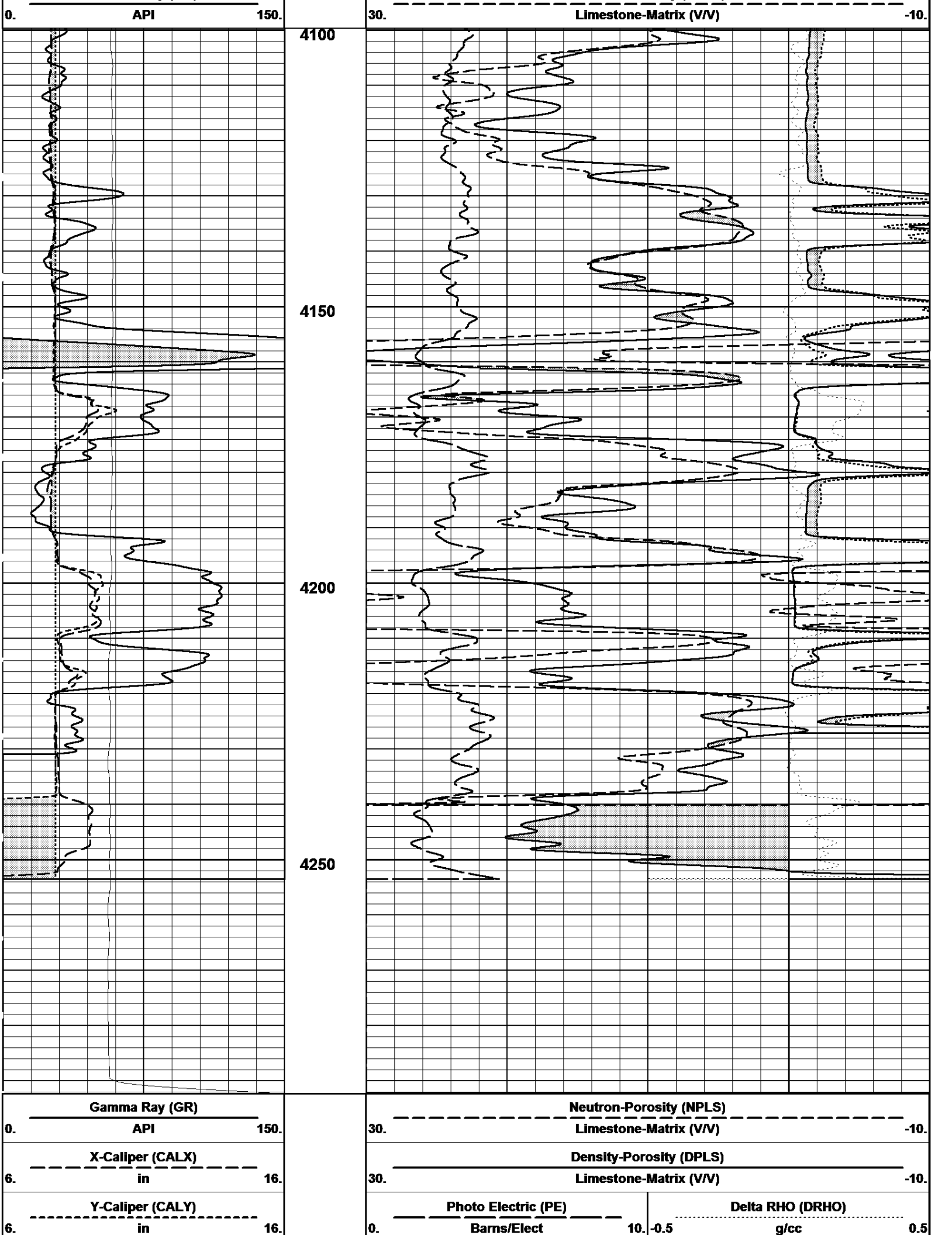






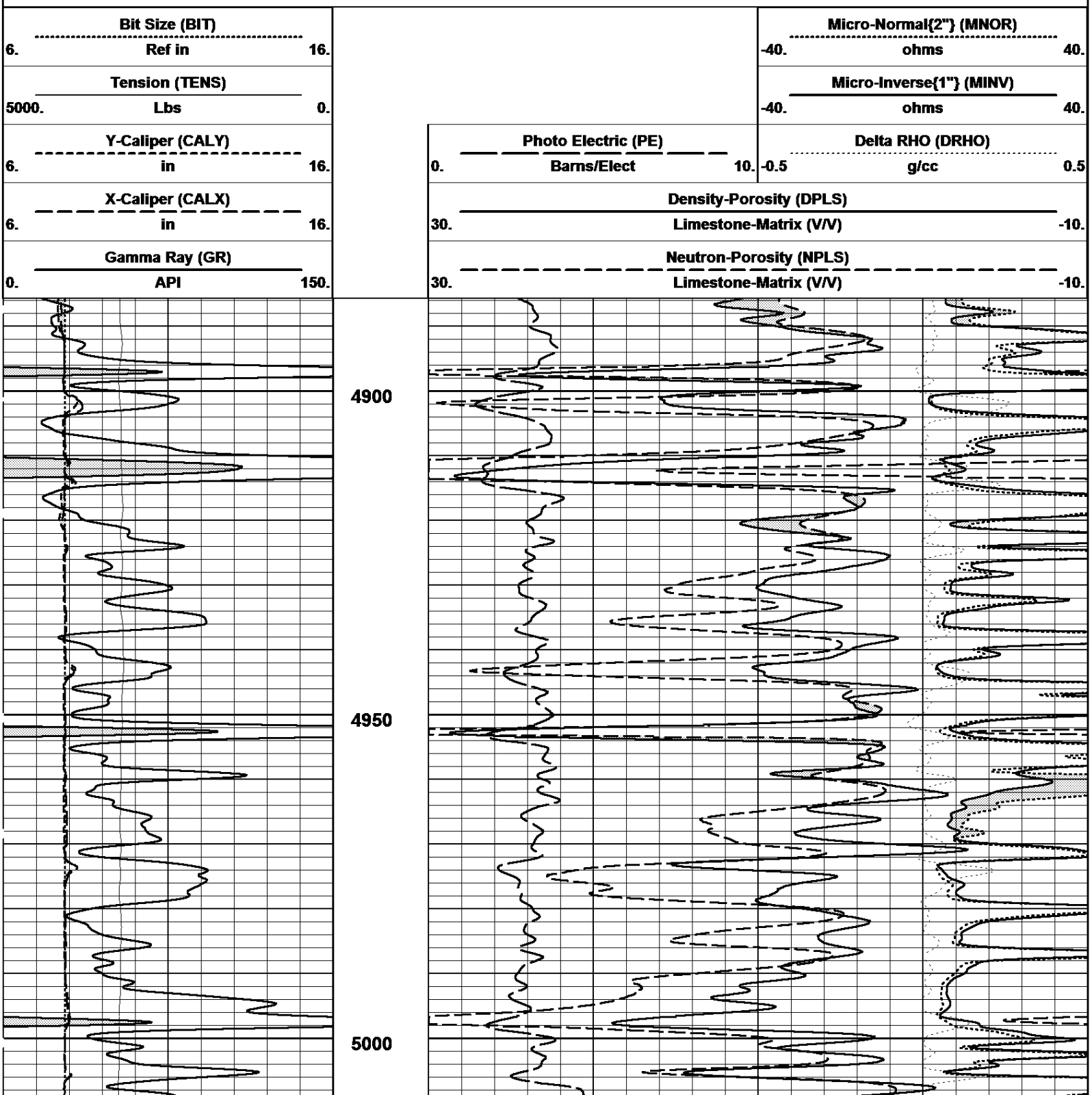
02/14/2015 14:13:43 => Start Time	MAIN PASS - LIMESTONE (5"/100ft)	Log UP - (VER 11.19) Start Depth=> 5563.00 Feet
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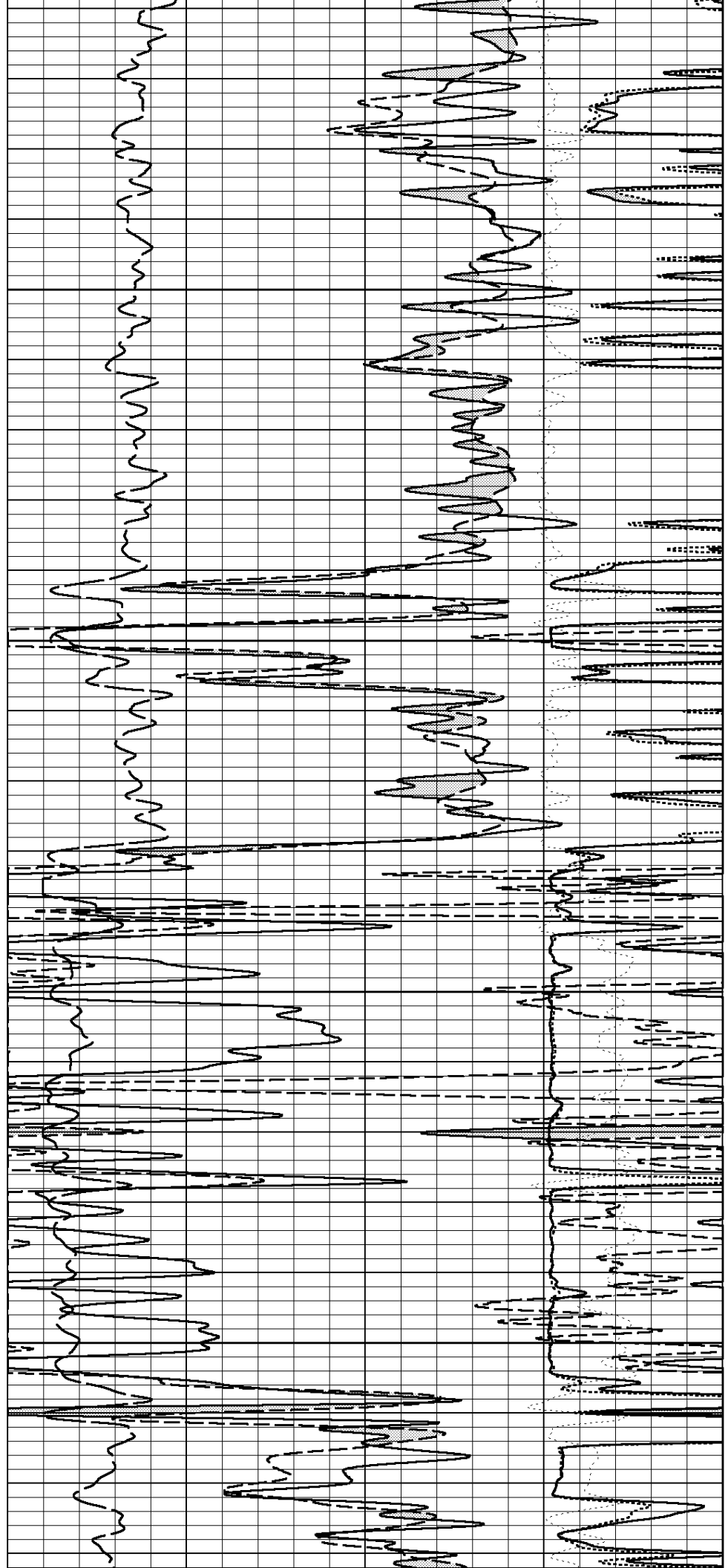
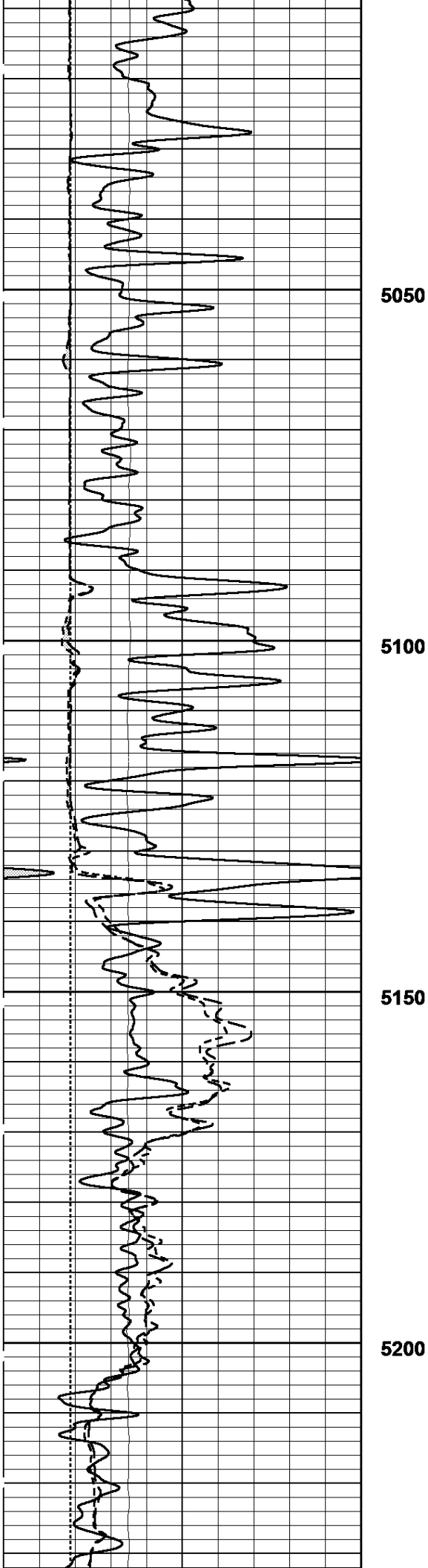


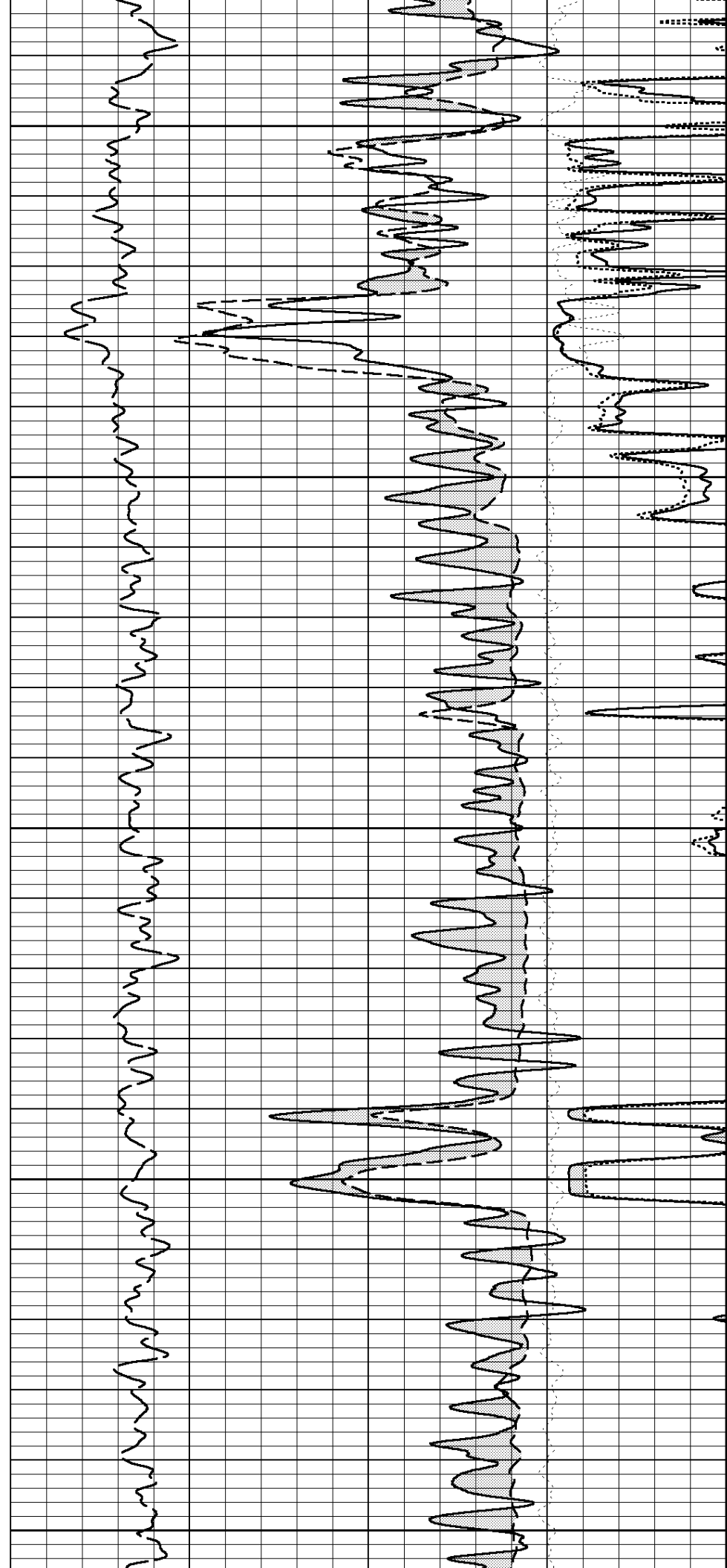
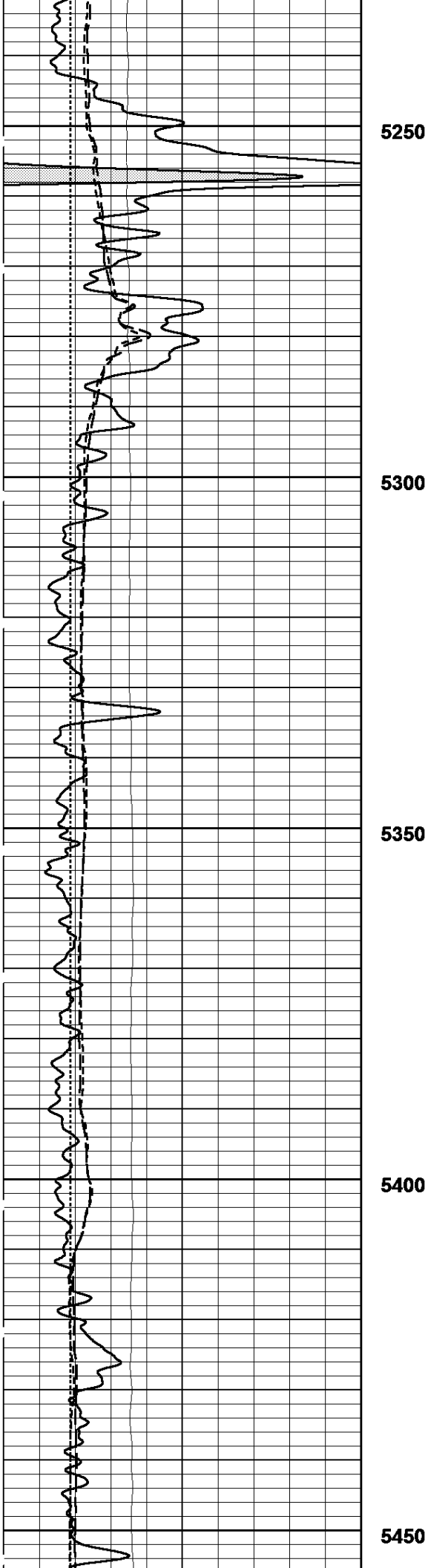


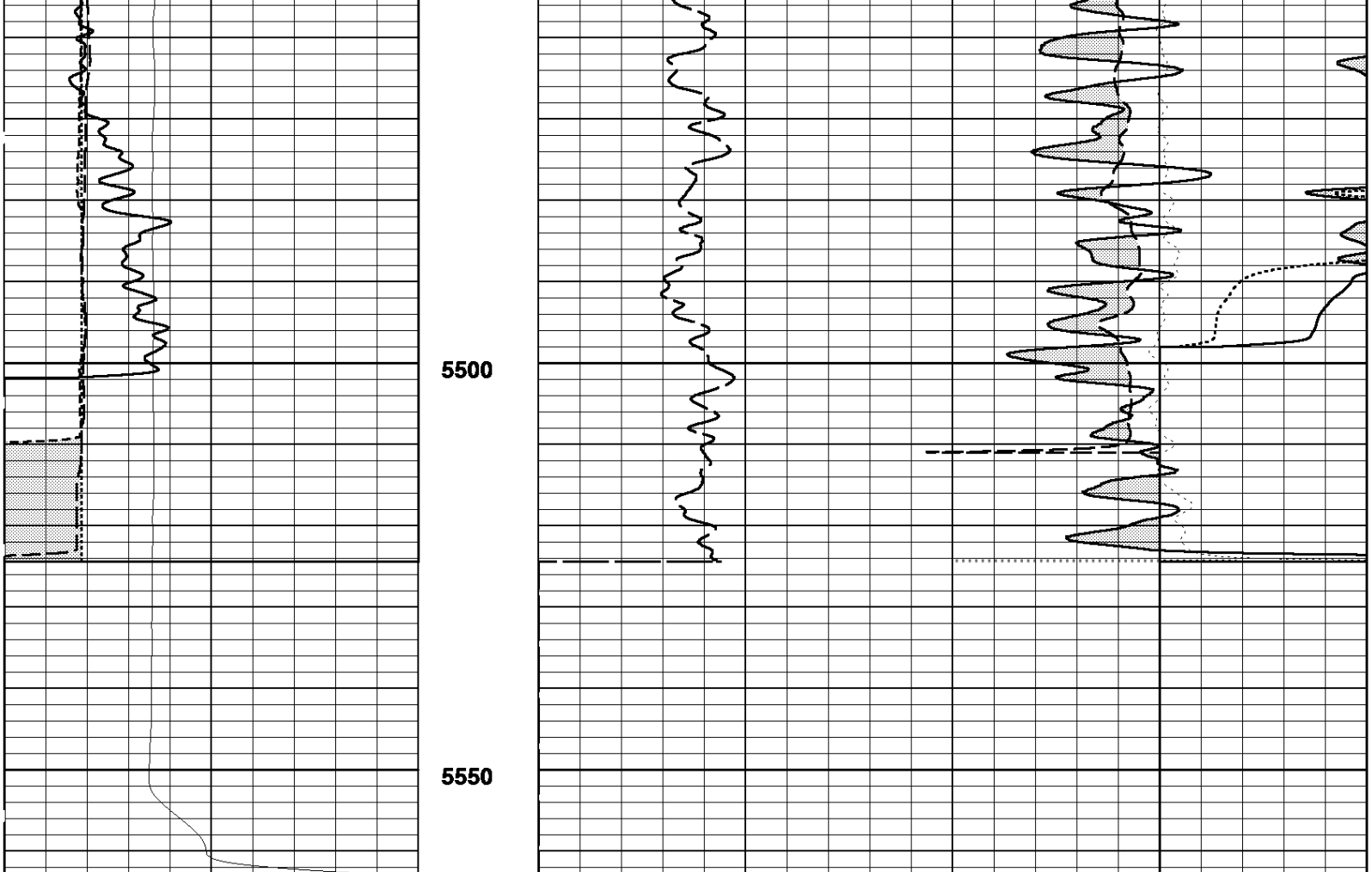
Tension (TENS) 5000. Lbs 0.						Micro-Inverse{1"} (MINV) -40. ohms 40.		
Bit Size (BIT) 6. Ref in 16.						Micro-Normal{2"} (MNOR) -40. ohms 40.		
02/14/2015			REPEAT TOP PASS - LIMESTONE (5"/100Ft)			Log UP - (VER 11.19)		
13:55:41 => Start Time						Start Depth=> 4292.10 Feet		

02/14/2015	REPEAT PASS - LIMESTONE (5"/100Ft)	Log UP - (VER 11.19)
13:40:33 => End Time		End Depth=> 4885.90 Feet







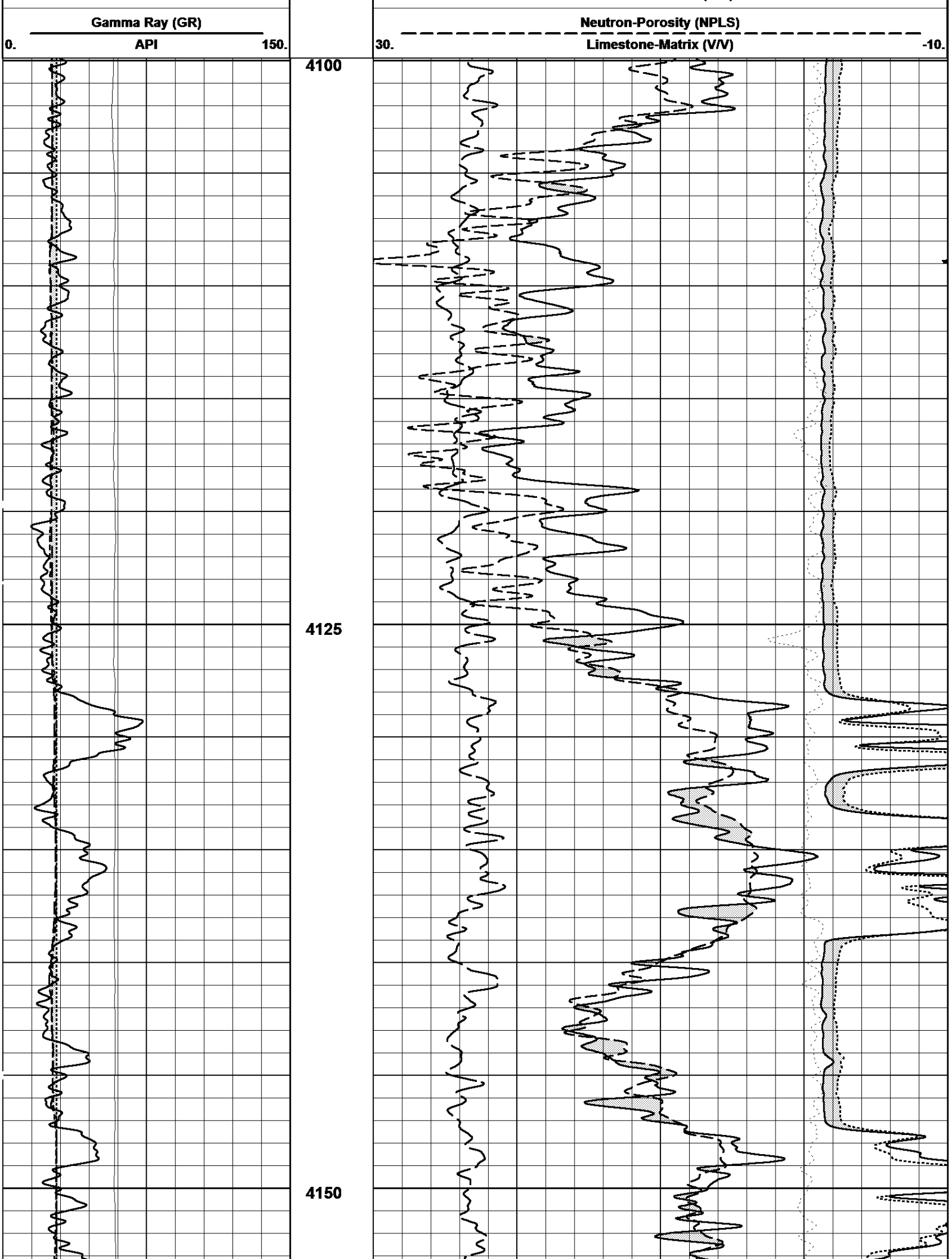


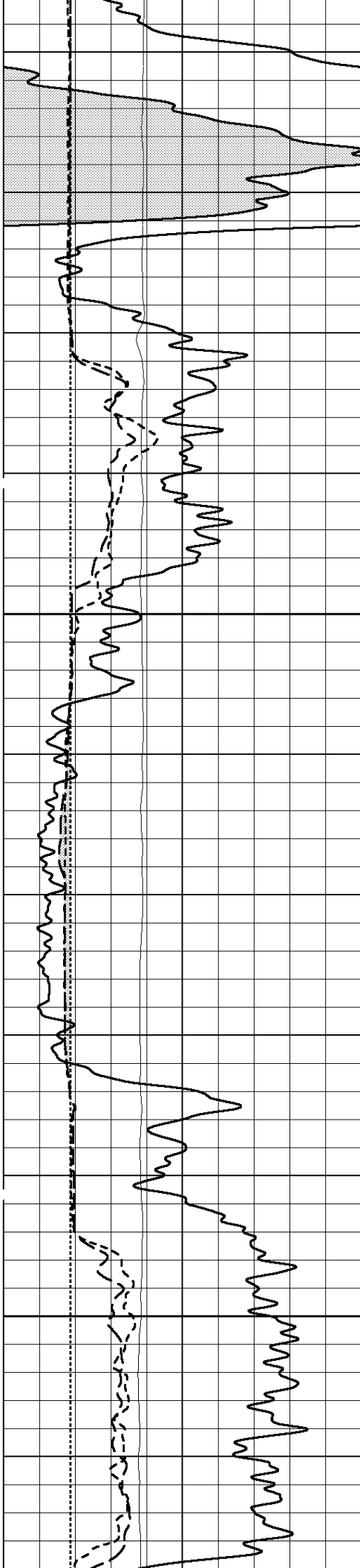
Gamma Ray (GR)		Neutron-Porosity (NPLS)	
0.	API	150.	
X-Caliper (CALX)		Limestone-Matrix (V/V)	
6.	in	16.	-10.
Y-Caliper (CALY)		Density-Porosity (DPLS)	
6.	in	16.	-10.
Tension (TENS)		Photo Electric (PE)	
5000.	Lbs	0.	10.
Bit Size (BIT)		Delta RHO (DRHO)	
6.	Ref in	16.	-0.5
		g/cc	
		0.5	
		Micro-Inverse{1"} (MINV)	
		ohms	
		40.	
		Micro-Normal{2"} (MNOR)	
		ohms	
		40.	

02/14/2015	REPEAT PASS - LIMESTONE (5"/100ft)	Log UP - (VER 11.19)
13:13:07 => Start Time		Start Depth=> 5563.00 Feet

02/14/2015	HIGH DEFINITION PASS - LIMESTONE (20"/100ft)	Log UP - (VER 11.19)
14:04:20 => End Time		End Depth=> 4099.95 Feet

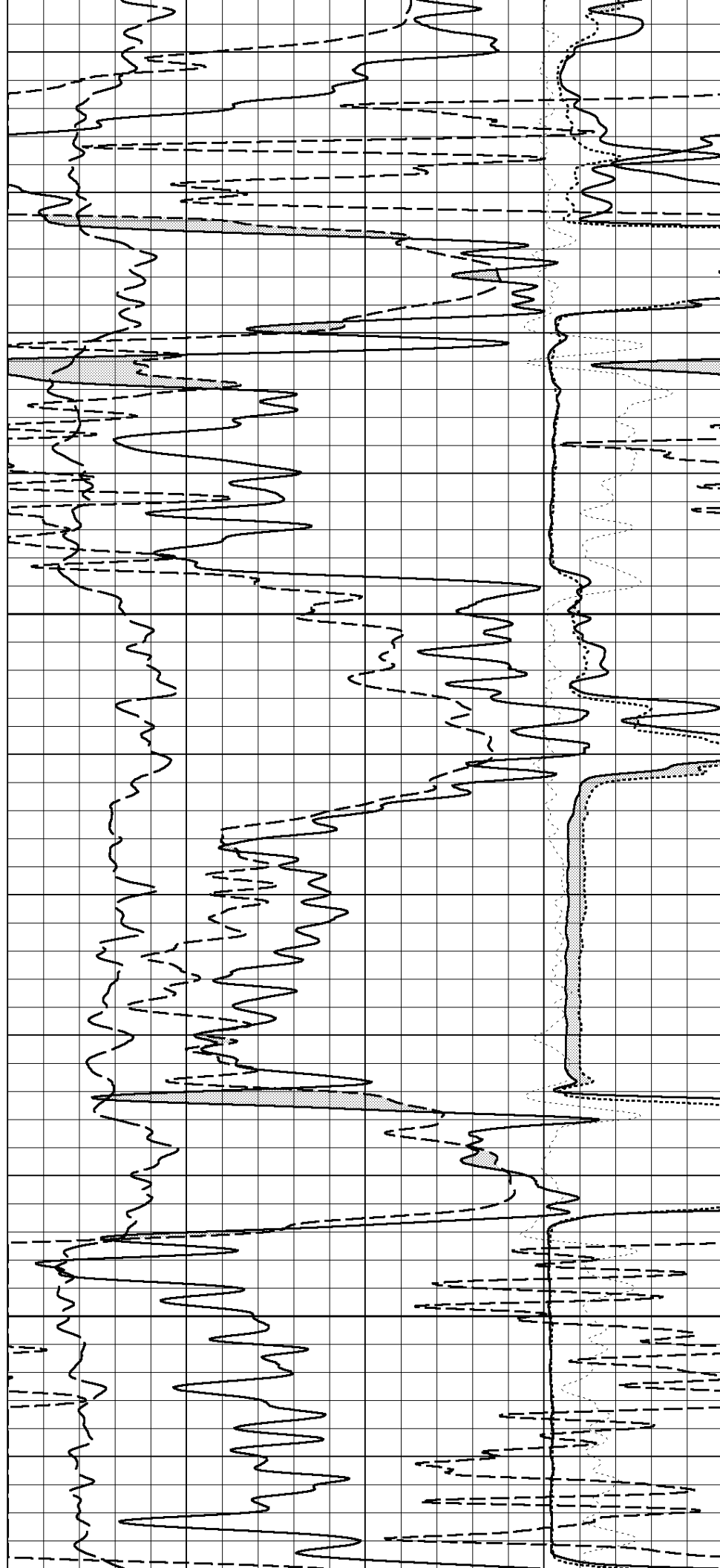
Bit Size (BIT)		Micro-Normal{2"} (MNOR)	
6.	Ref in	16.	-40.
Tension (TENS)		ohms	
5000.	Lbs	0.	40.
Y-Caliper (CALY)		Micro-Inverse{1"} (MINV)	
6.	in	16.	-40.
X-Caliper (CALX)		ohms	
6.	in	16.	40.
		Photo Electric (PE)	
		Barns/Elect	
		10.	
		Delta RHO (DRHO)	
		g/cc	
		0.5	
		Density-Porosity (DPLS)	
		Limestone-Matrix (V/V)	
		-10.	

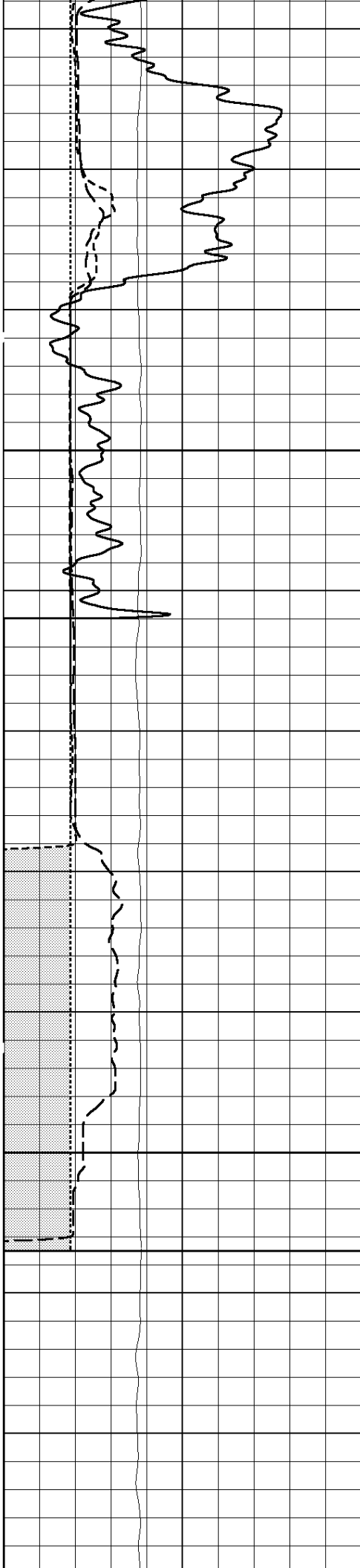




4175

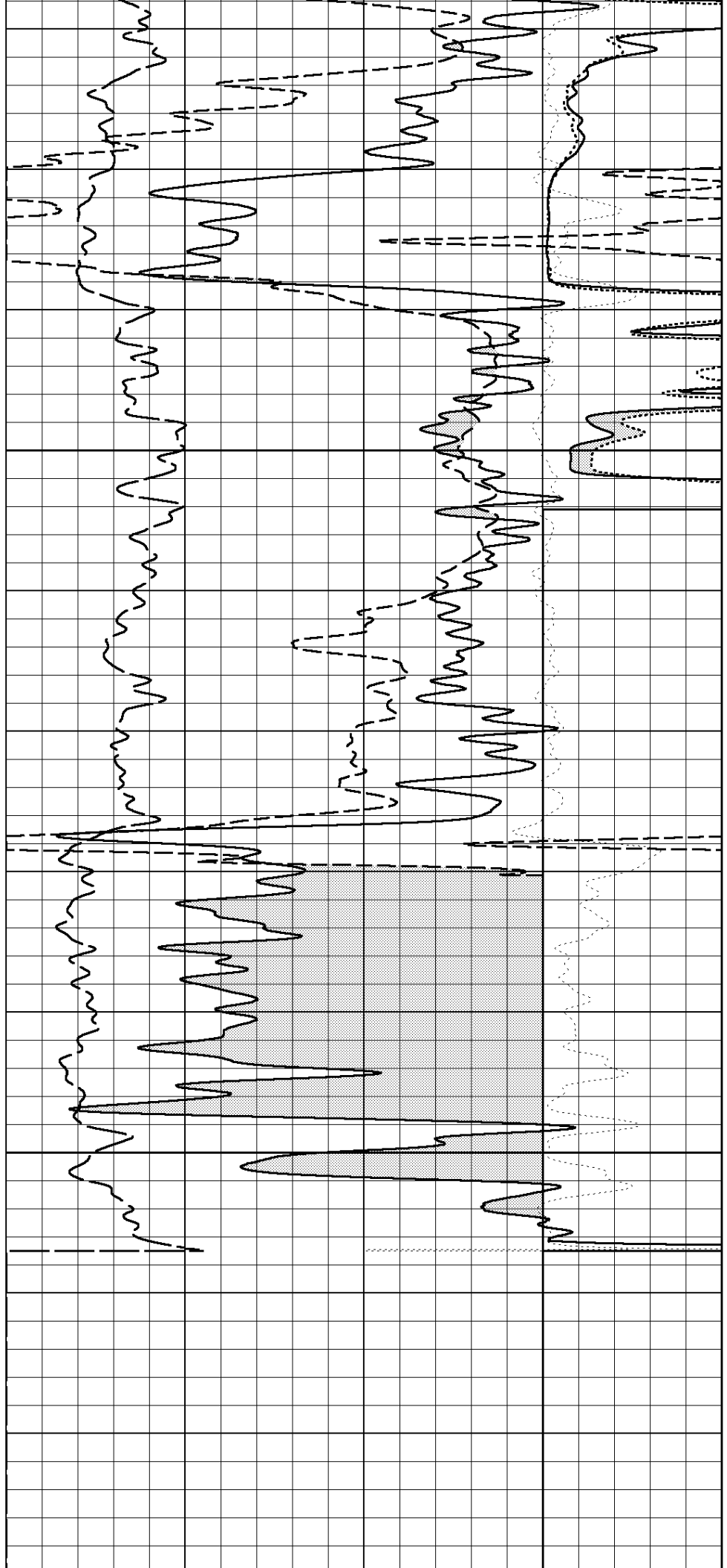
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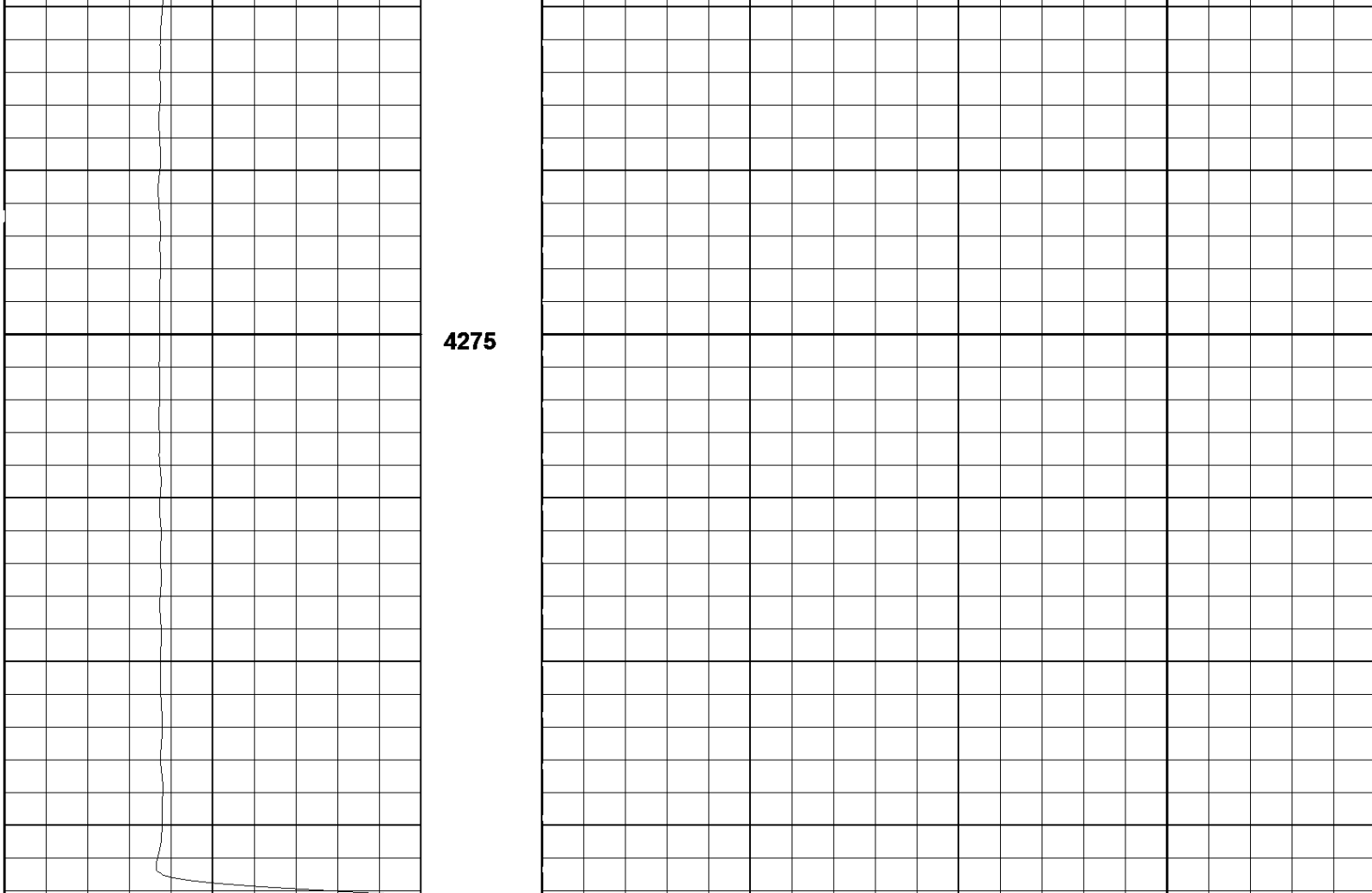




4225

4250





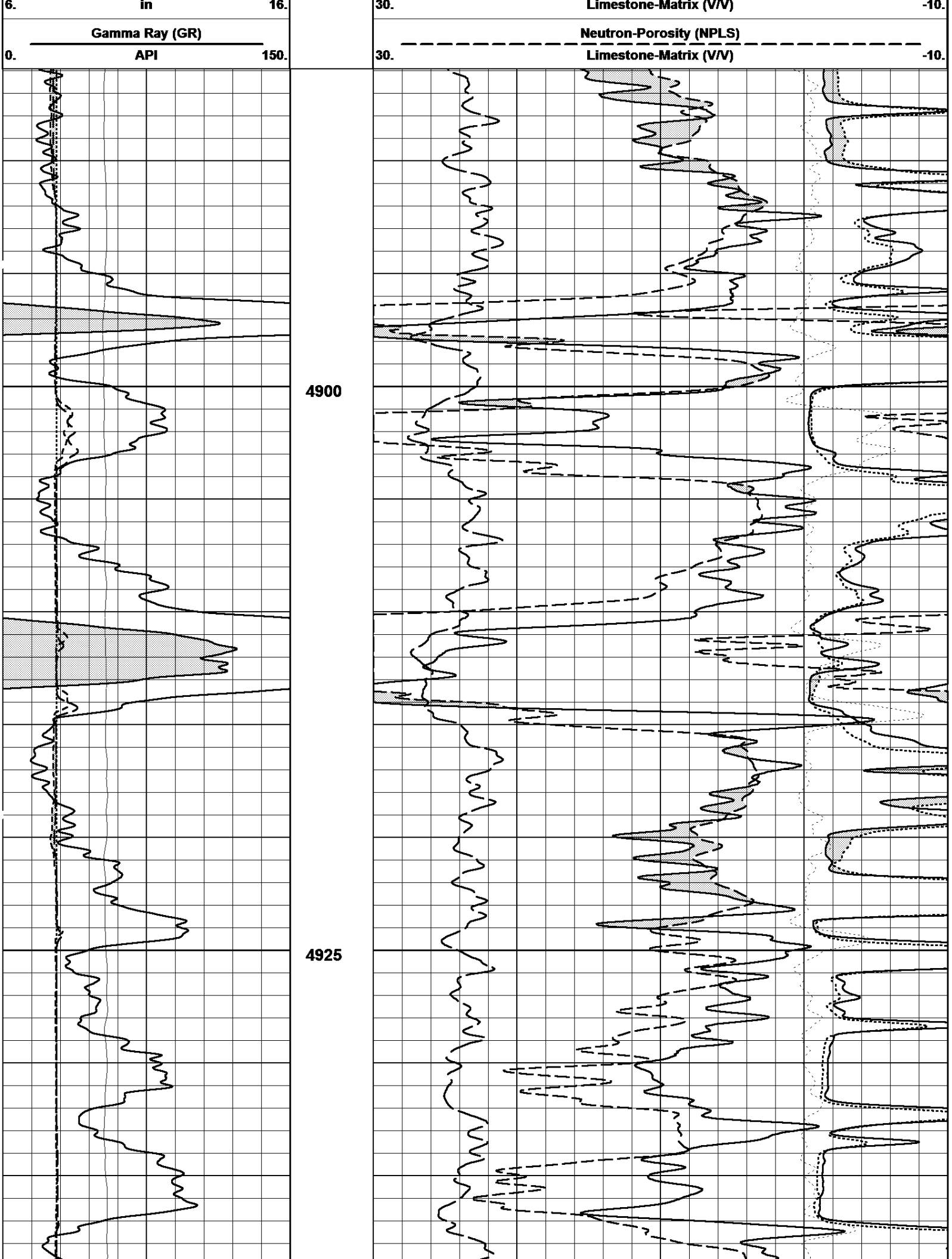
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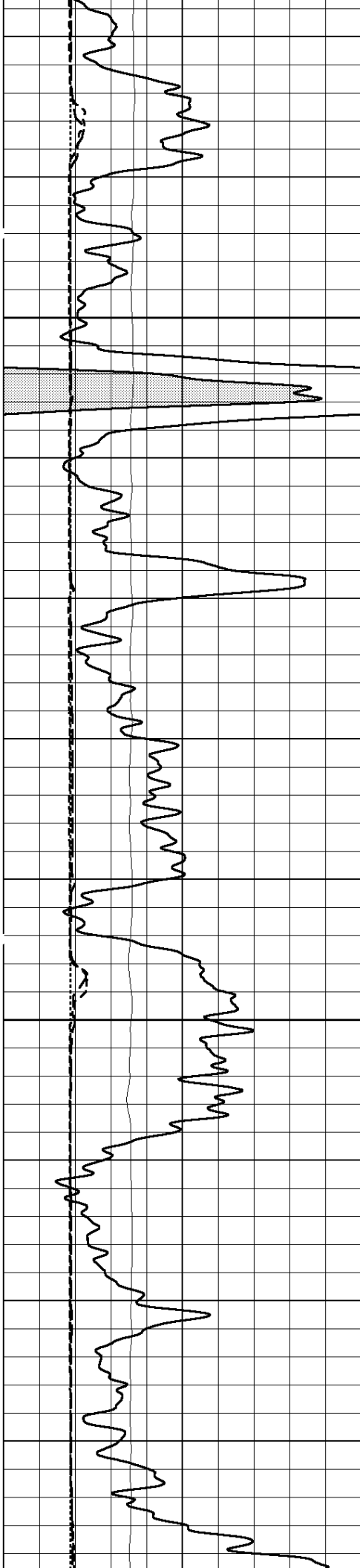
Gamma Ray (GR)			Neutron-Porosity (NPLS)		
0.	API	150.	30.	Limestone-Matrix (V/V)	-10.
X-Caliper (CALX)			Density-Porosity (DPLS)		
6.	in	16.	30.	Limestone-Matrix (V/V)	-10.
Y-Caliper (CALY)			Photo Electric (PE)		
6.	in	16.	0.	Barns/Elect	10.
Tension (TENS)			Delta RHO (DRHO)		
5000.	Lbs	0.	-0.5	g/cc	0.5
Bit Size (BIT)			Micro-Inverse{1"} (MINV)		
6.	Ref in	16.	-40.	ohms	40.
			Micro-Normal{2"} (MNOR)		
			-40.	ohms	40.

02/14/2015 HIGH DEFINITION PASS - LIMESTONE (20"/100Ft) Log UP - (VER 11.19)
13:55:41 => Start Time Start Depth=> 4292.18 Feet

02/14/2015 HIGH DEFINITION PASS - LIMESTONE (20"/100Ft) Log UP - (VER 11.19)
13:40:33 => End Time End Depth=> 4885.98 Feet

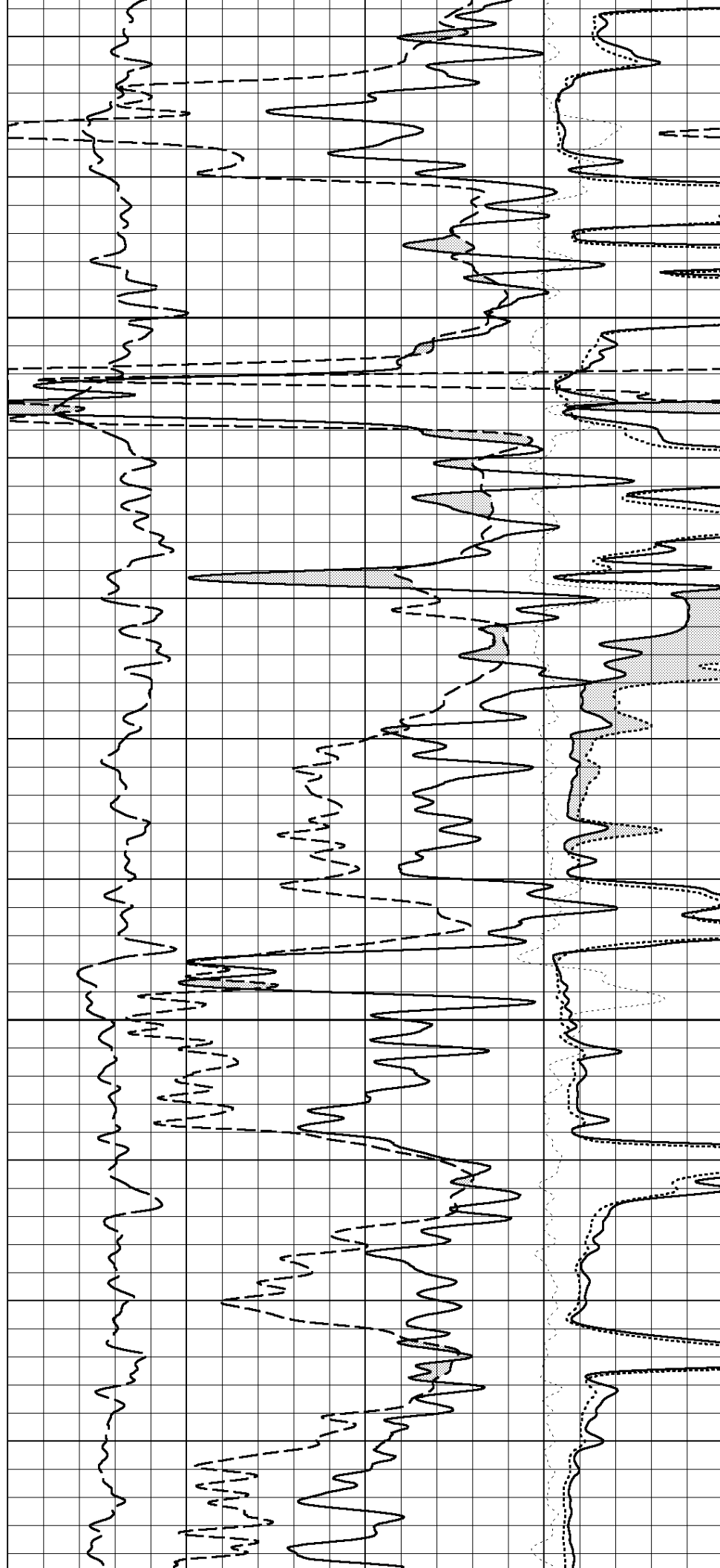
Bit Size (BIT)			Micro-Normal{2"} (MNOR)		
6.	Ref in	16.	-40.	ohms	40.
Tension (TENS)			Micro-Inverse{1"} (MINV)		
5000.	Lbs	0.	-40.	ohms	40.
Y-Caliper (CALY)			Photo Electric (PE)		
6.	in	16.	0.	Barns/Elect	10.
X-Caliper (CALX)			Delta RHO (DRHO)		
			-0.5	g/cc	0.5
			Density-Porosity (DPLS)		

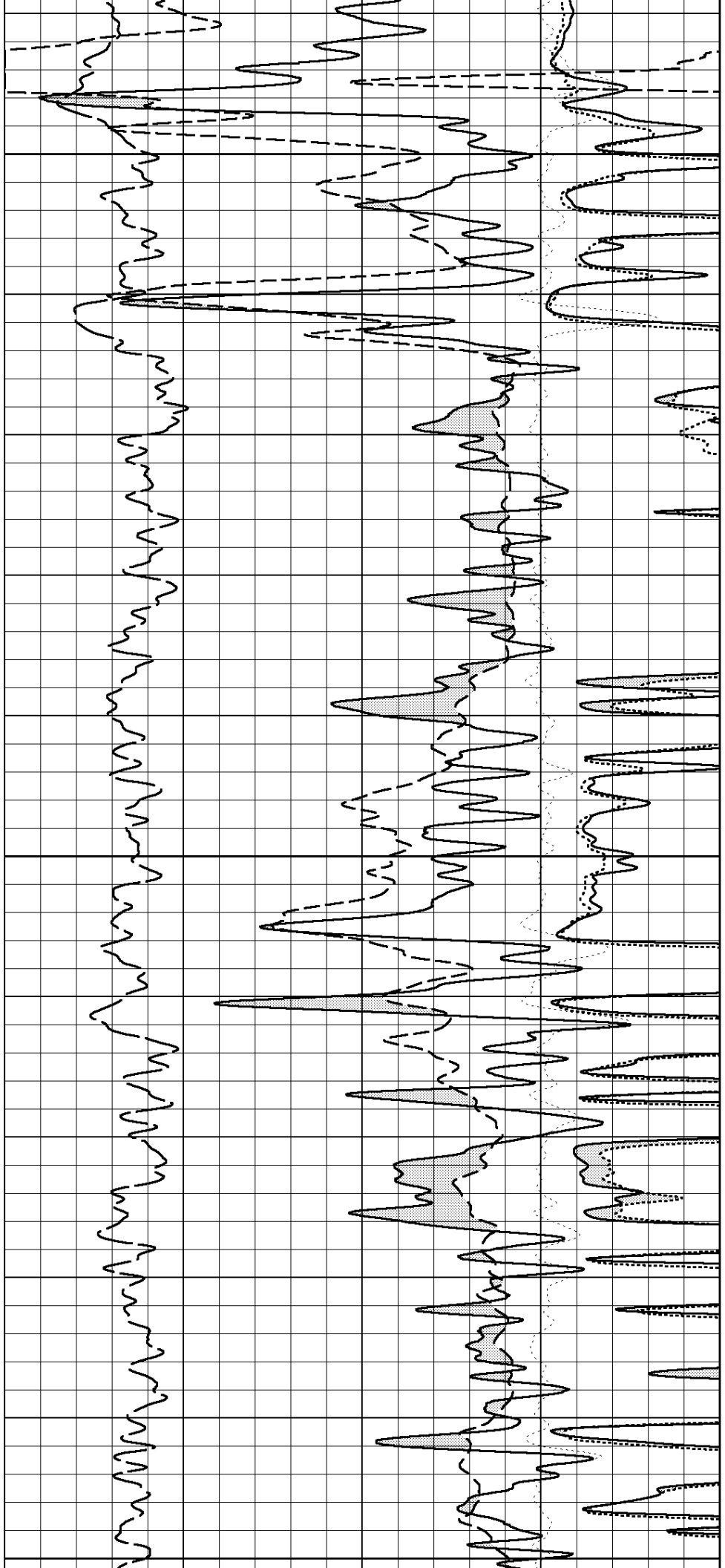
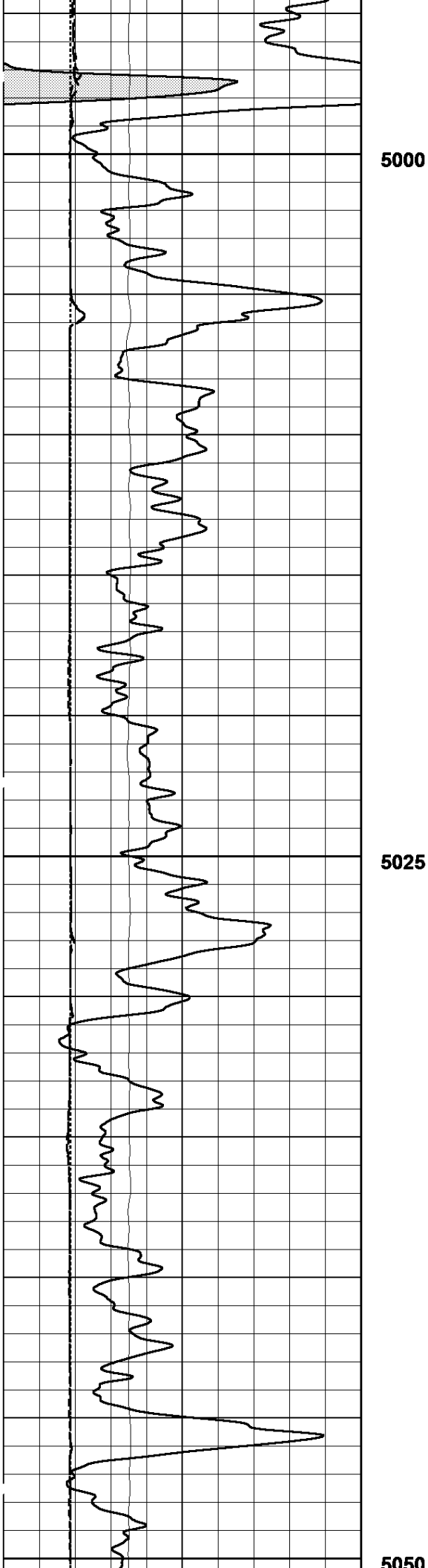


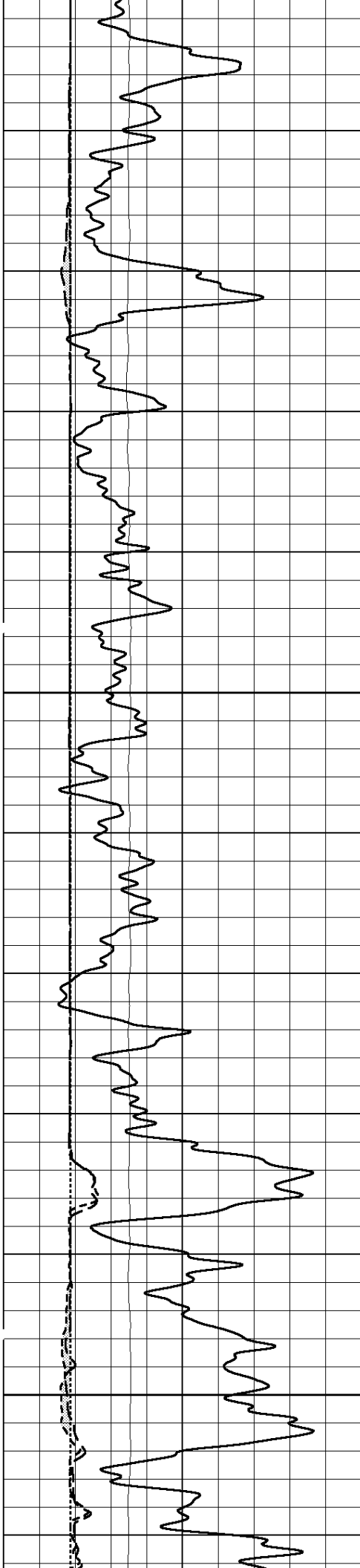


4950

4975

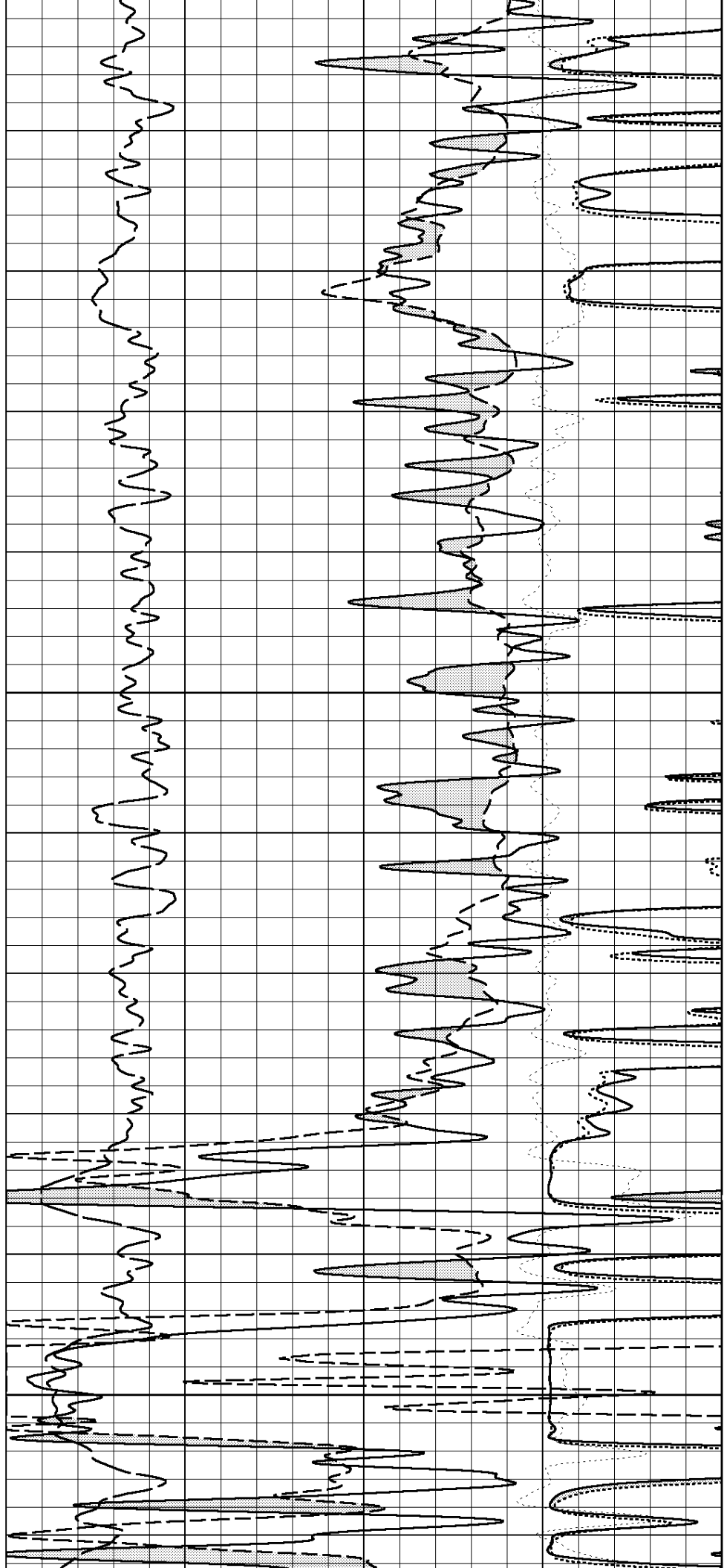


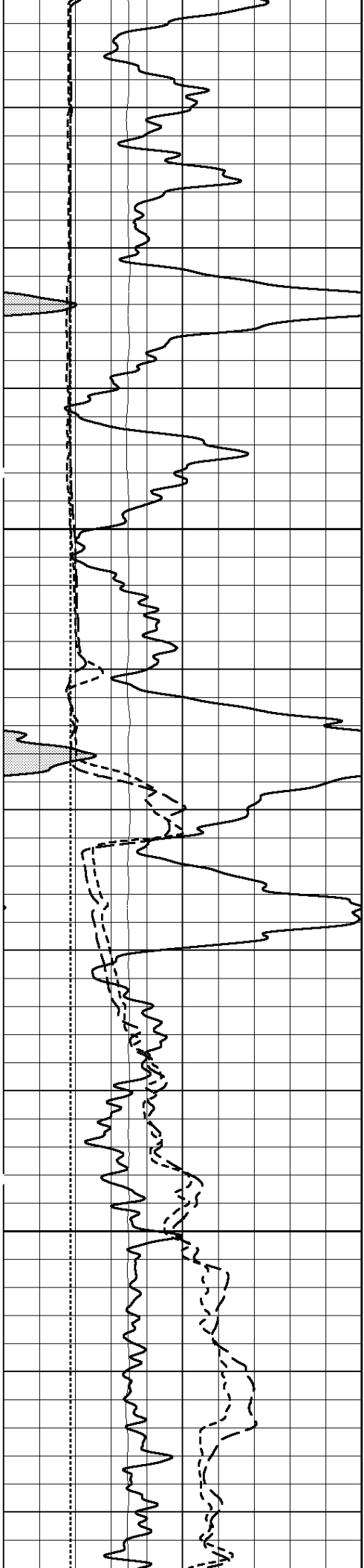




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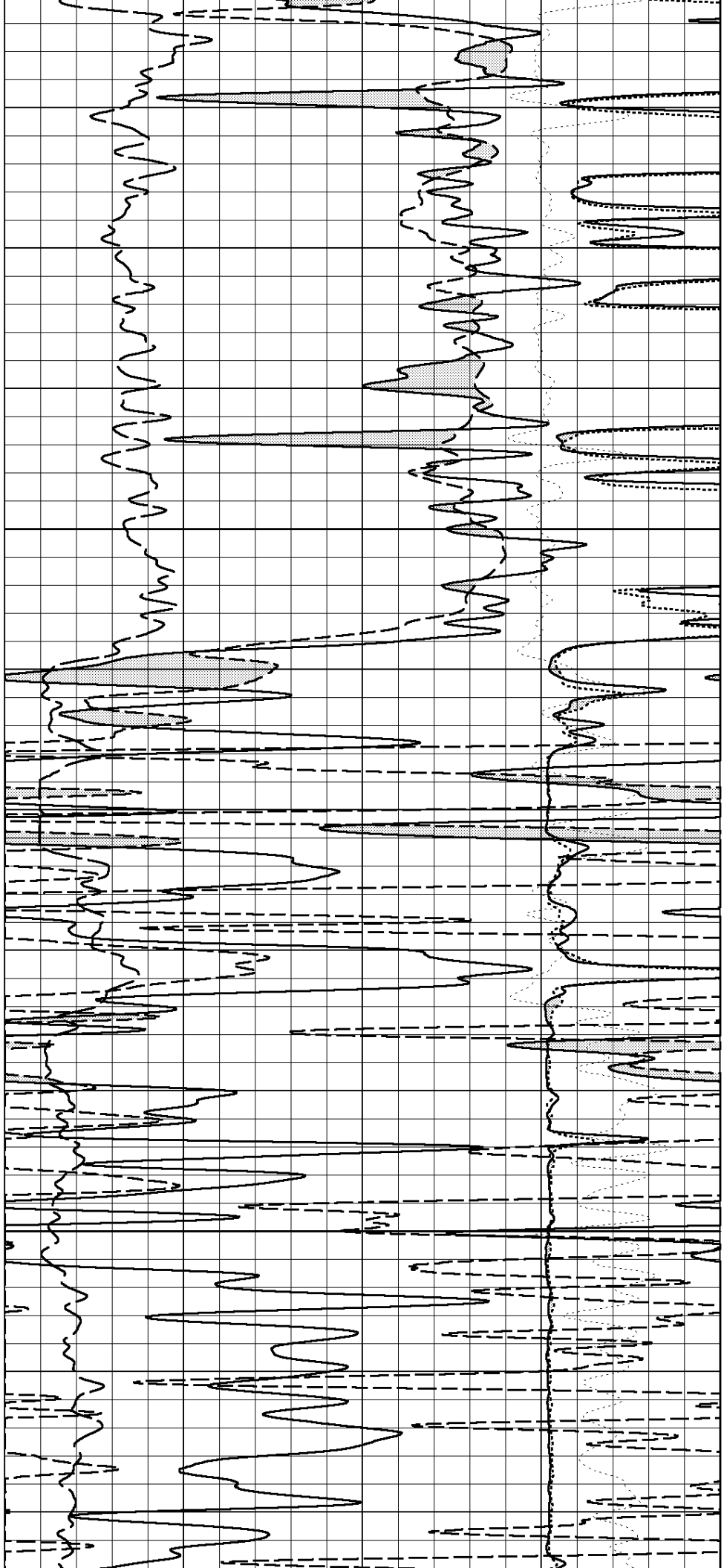
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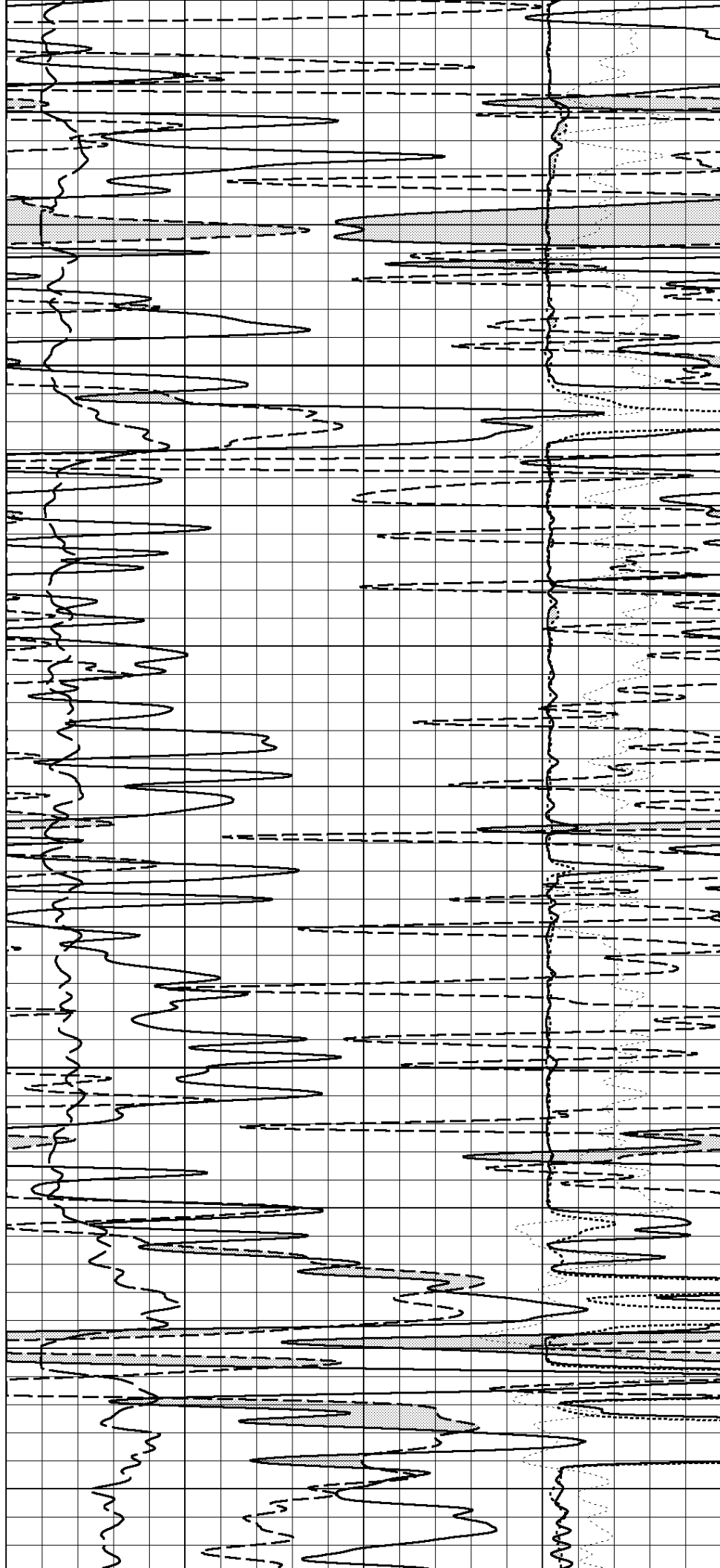
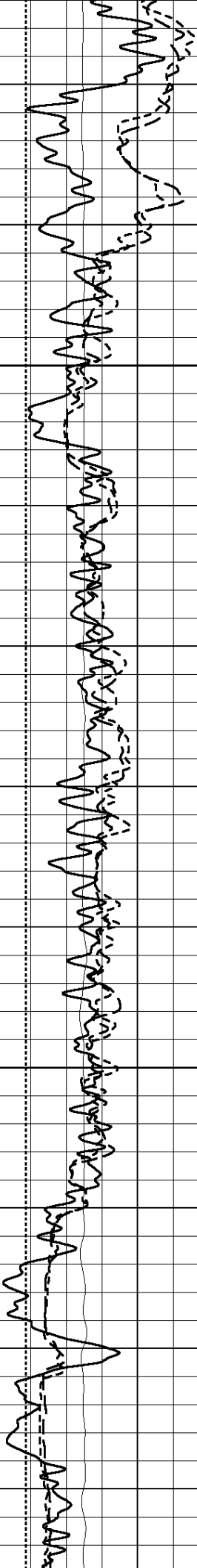
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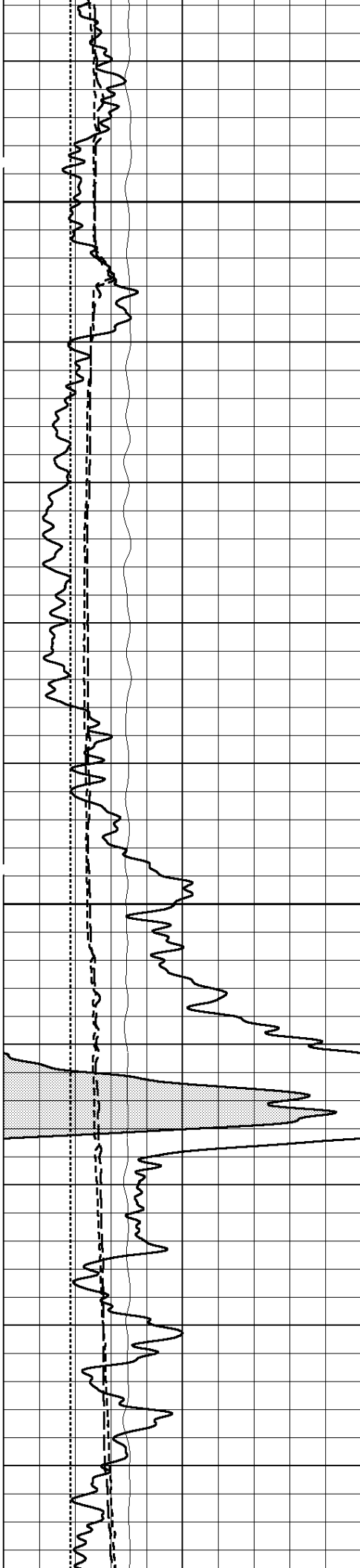
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5175

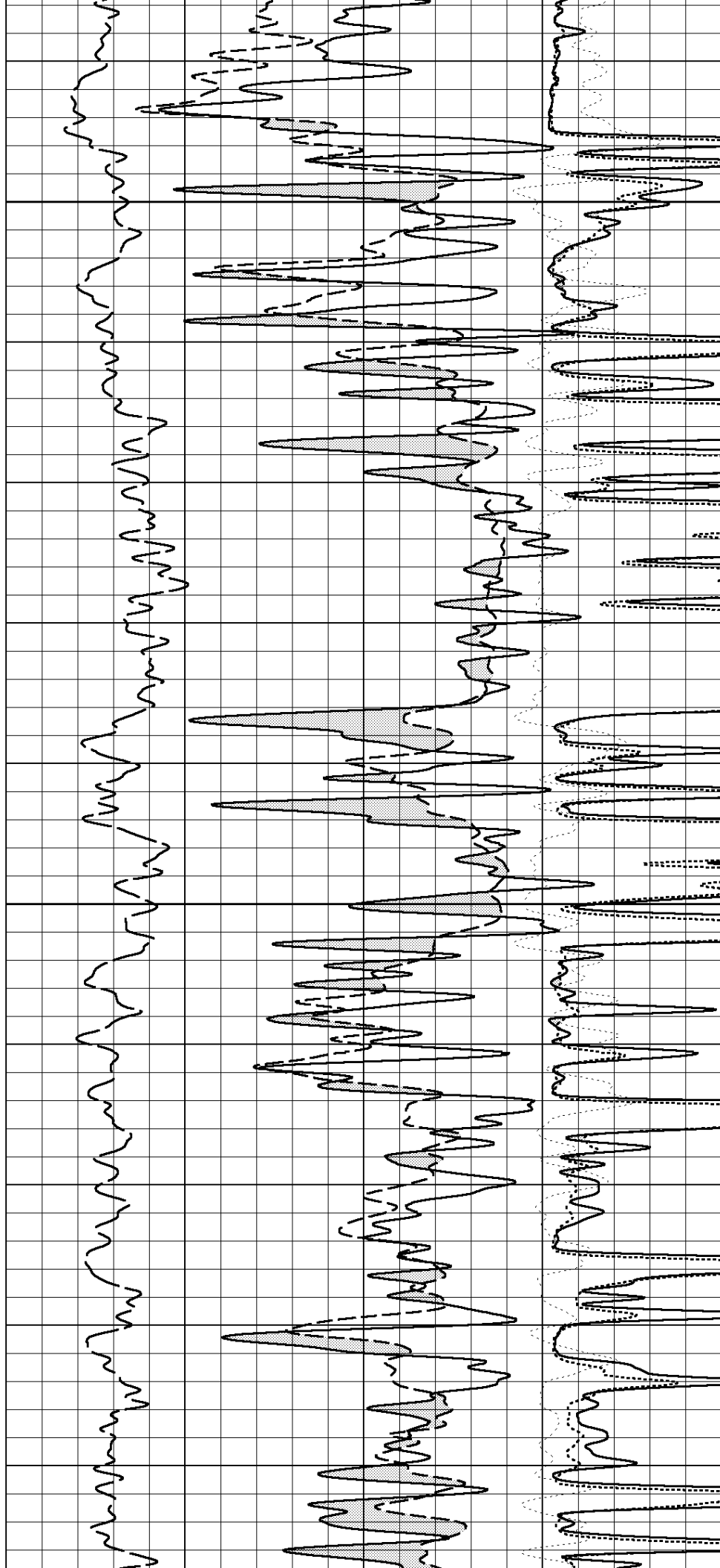
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5225

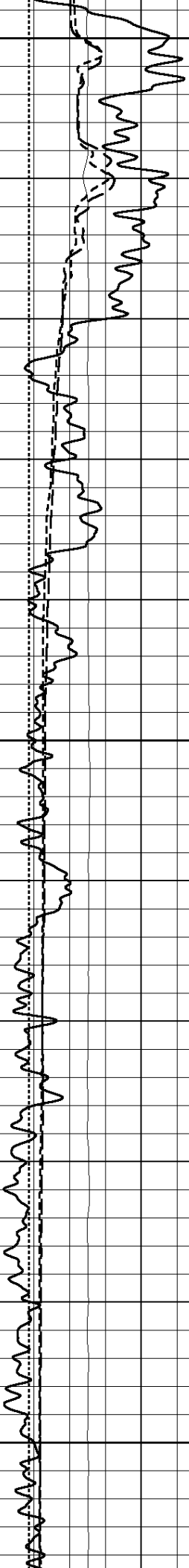
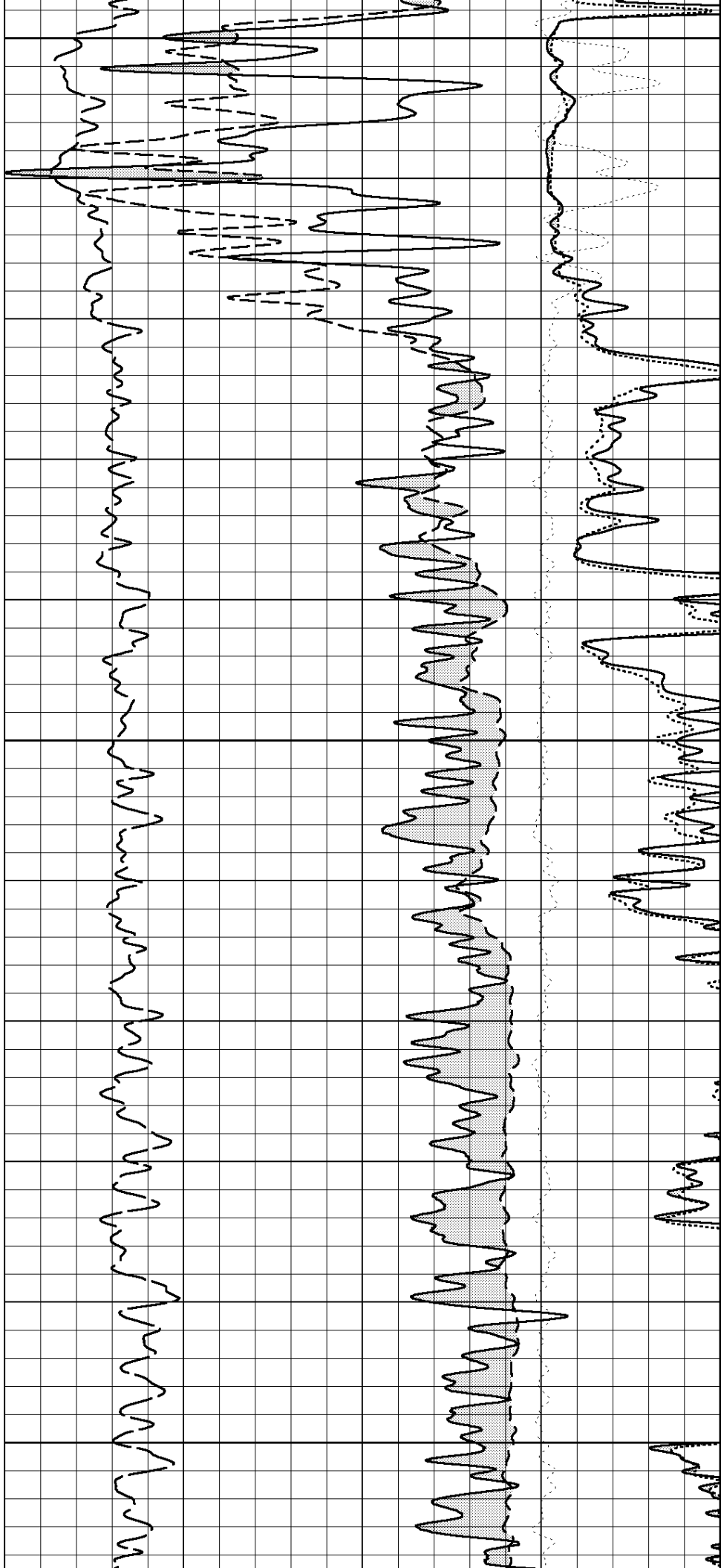
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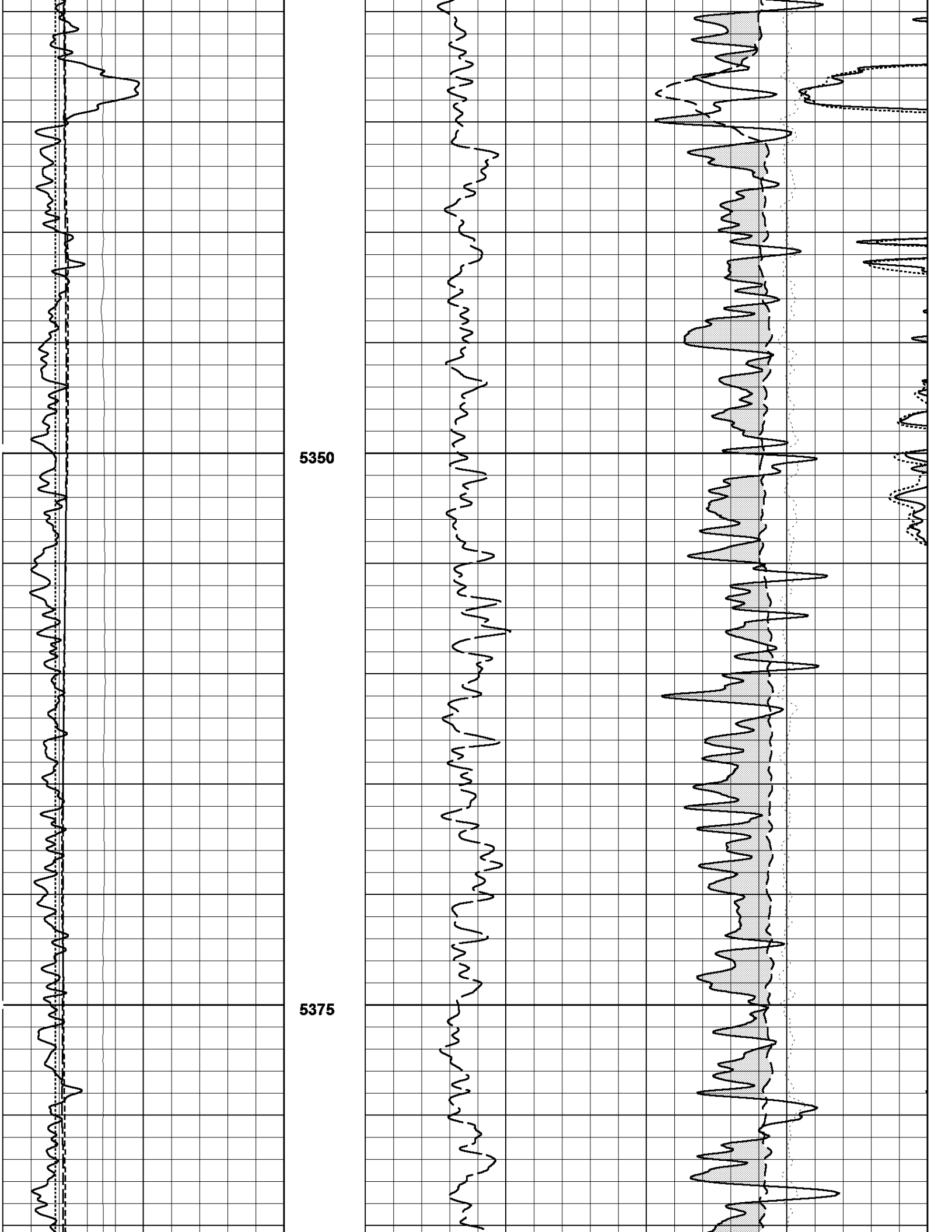


5275

5300

5325



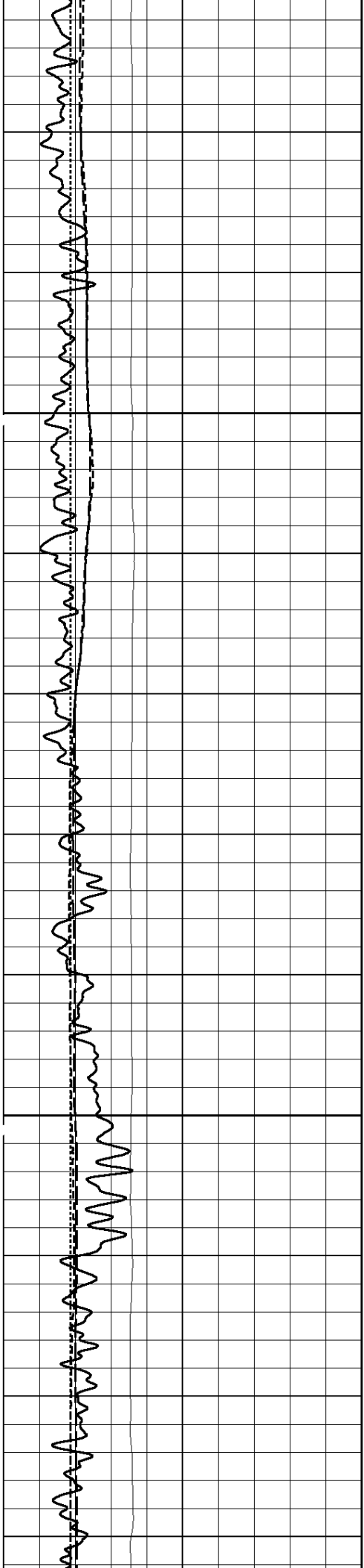
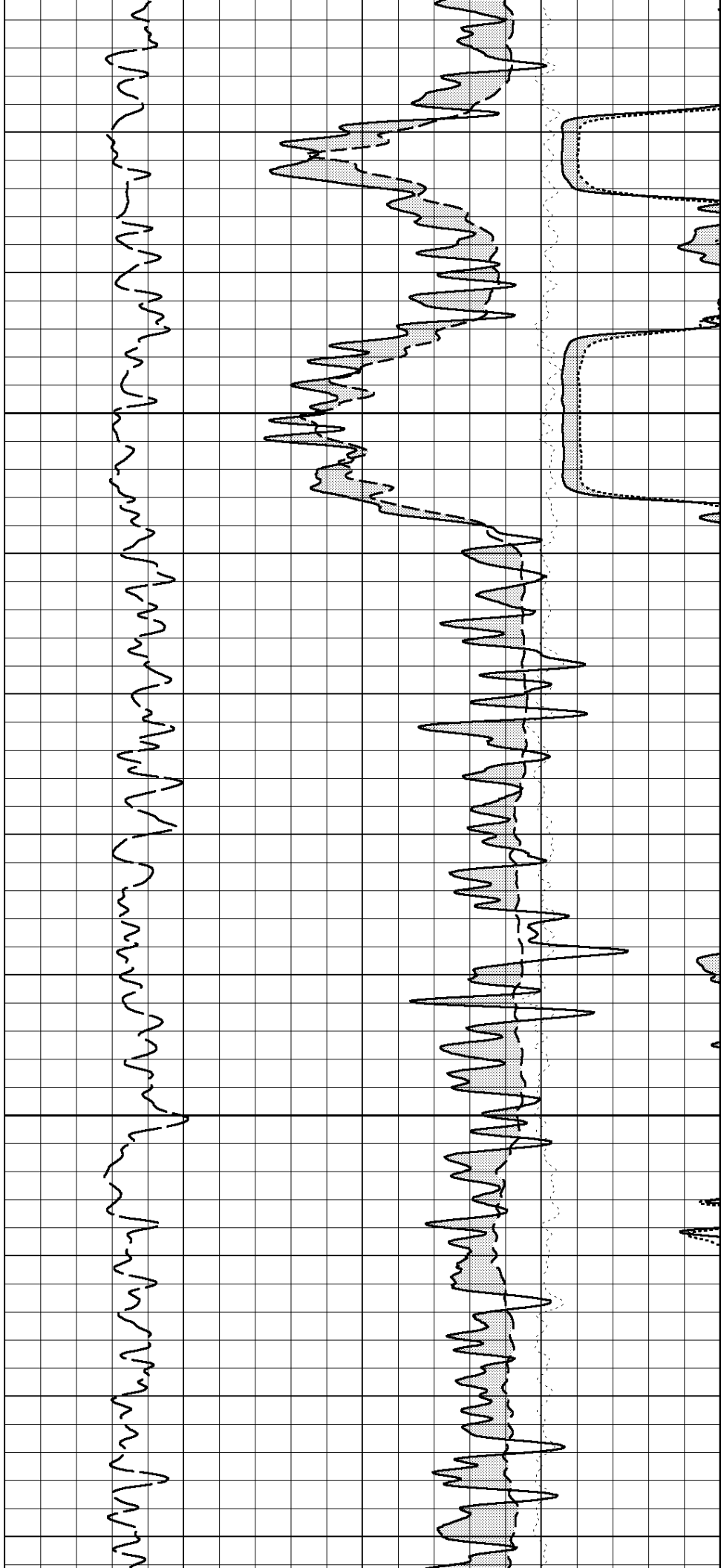


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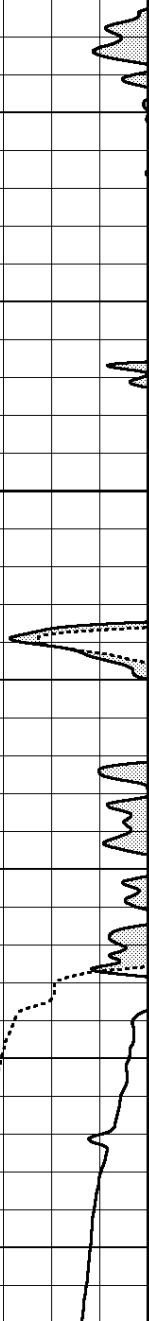
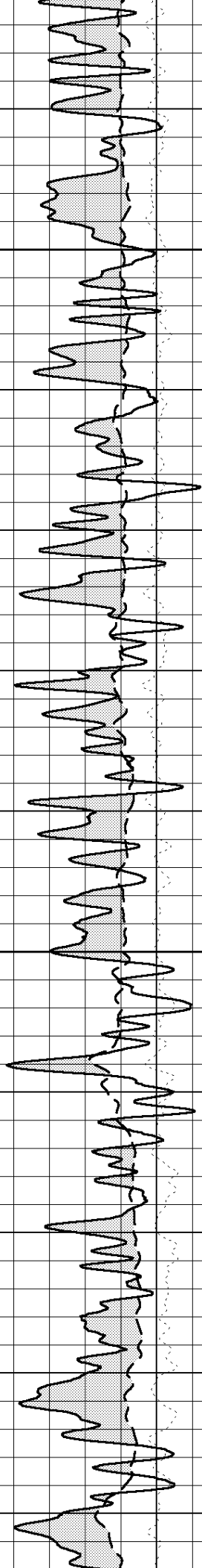
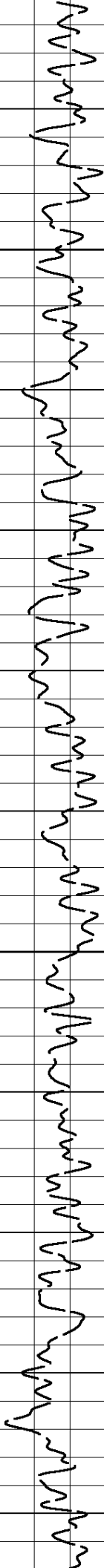
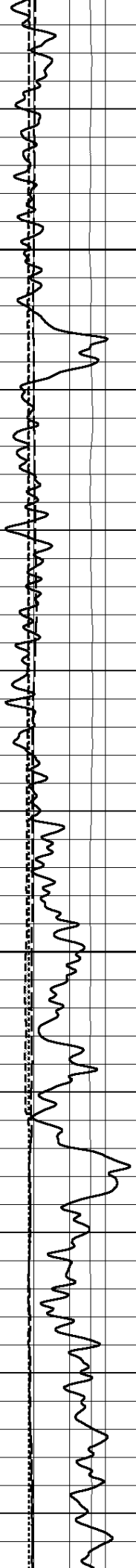
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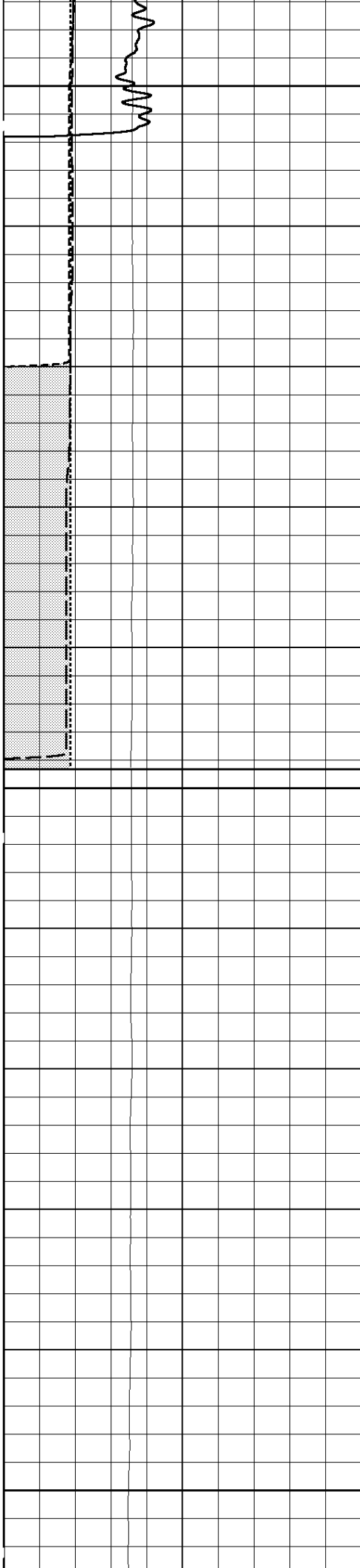
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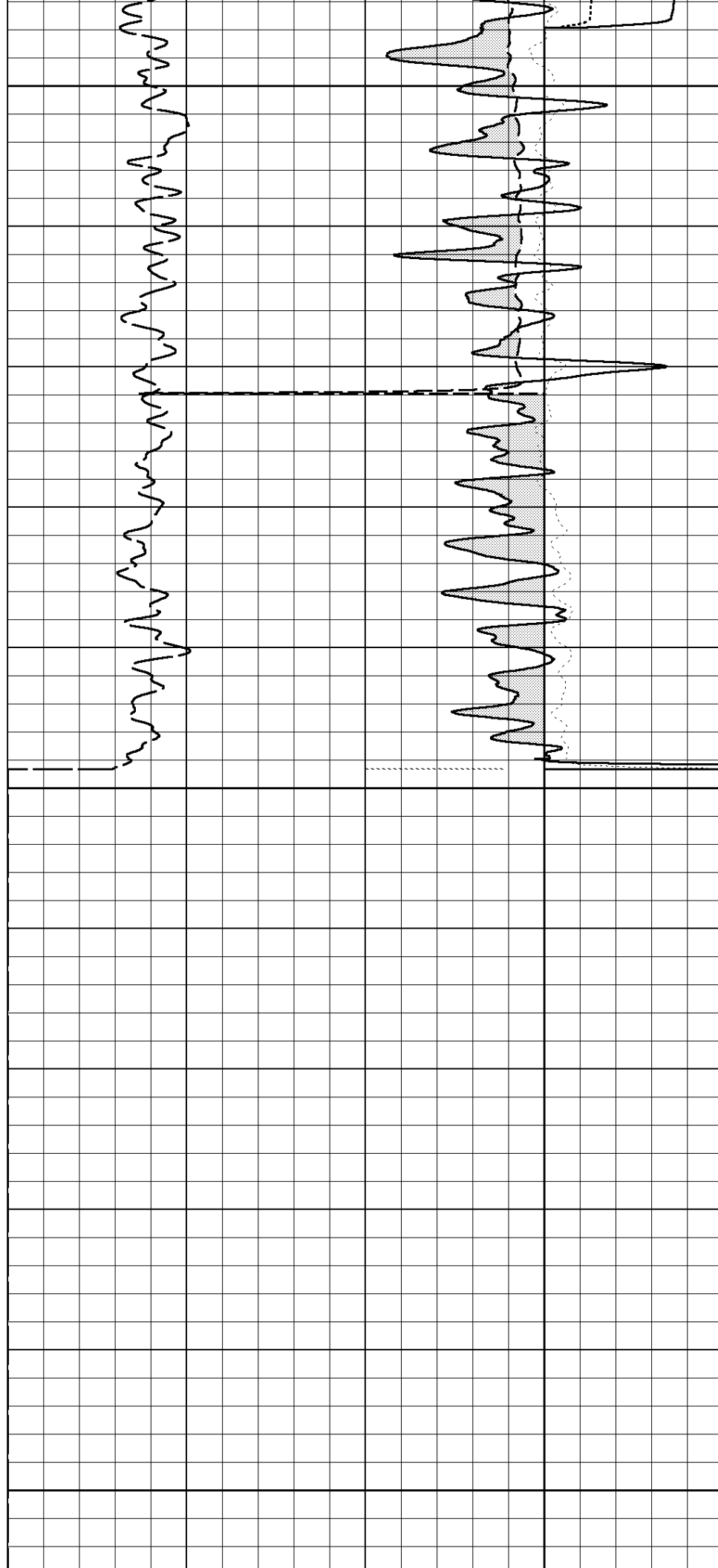
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5475

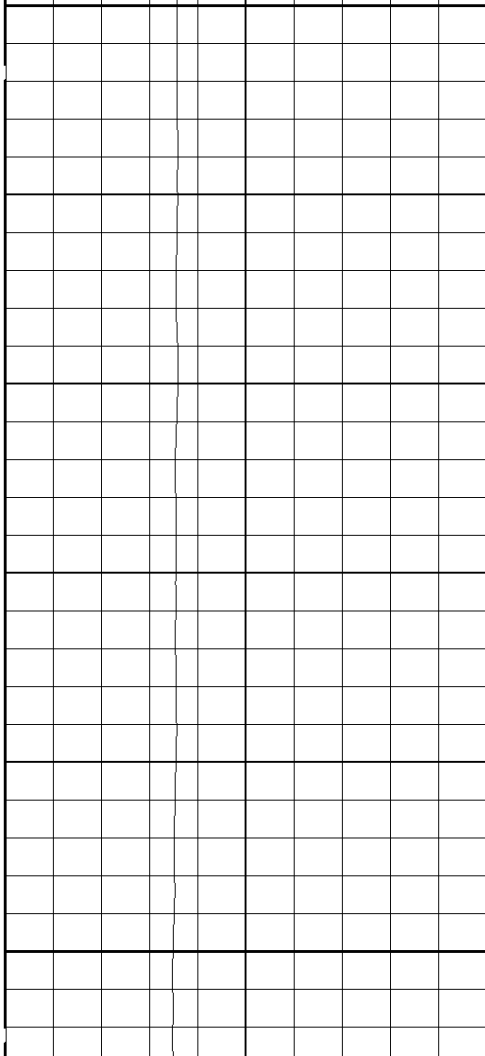




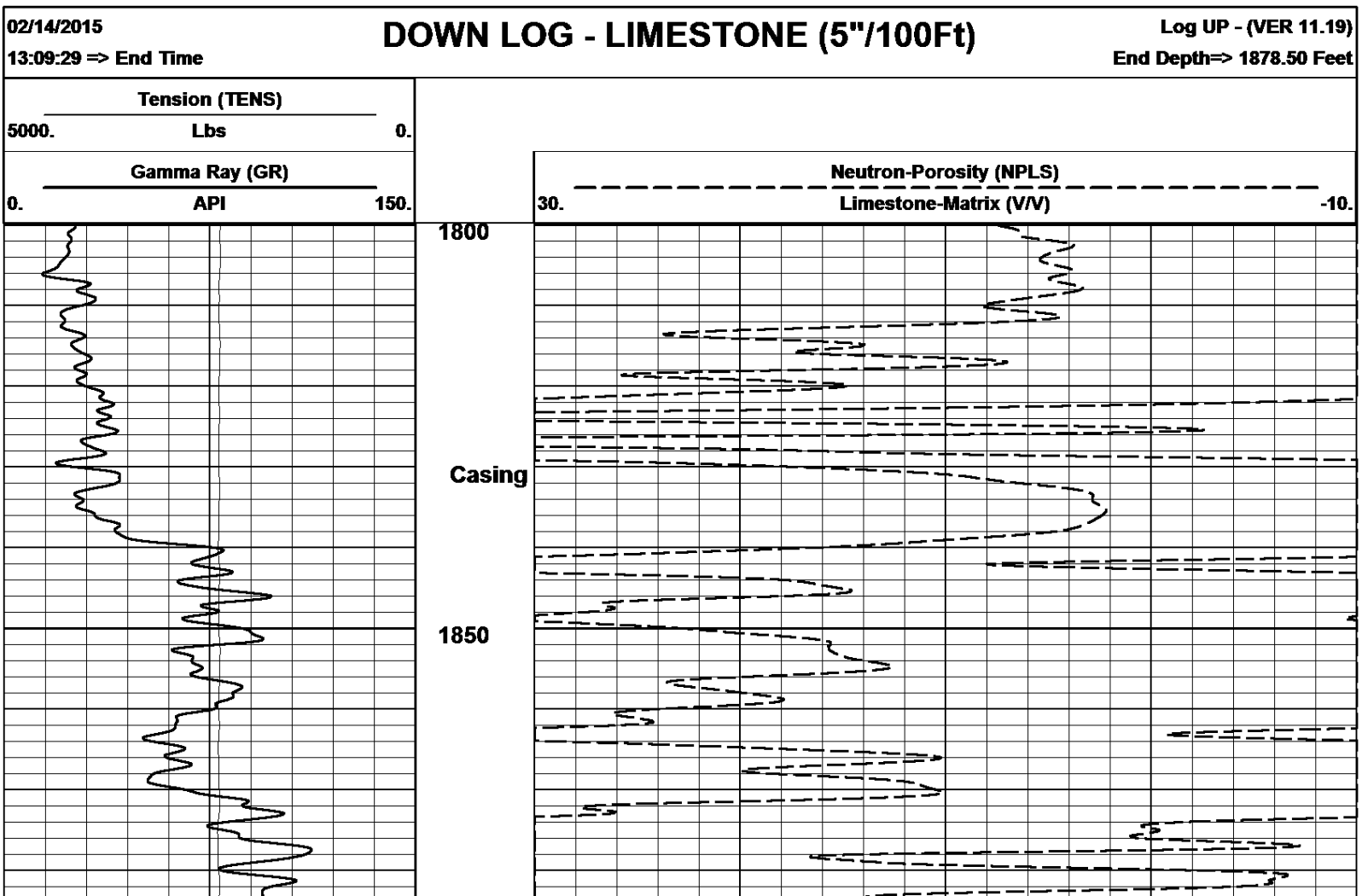
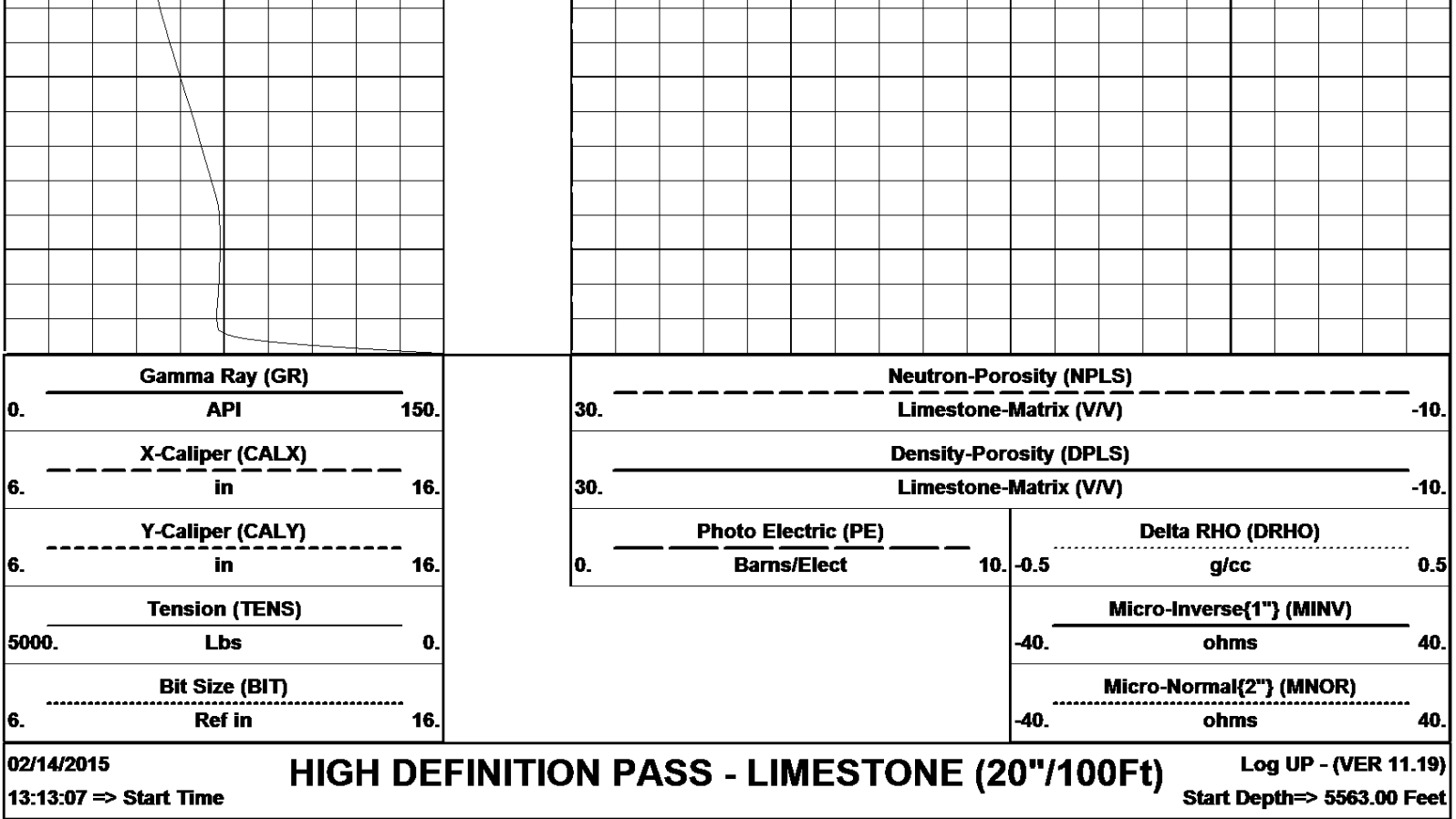
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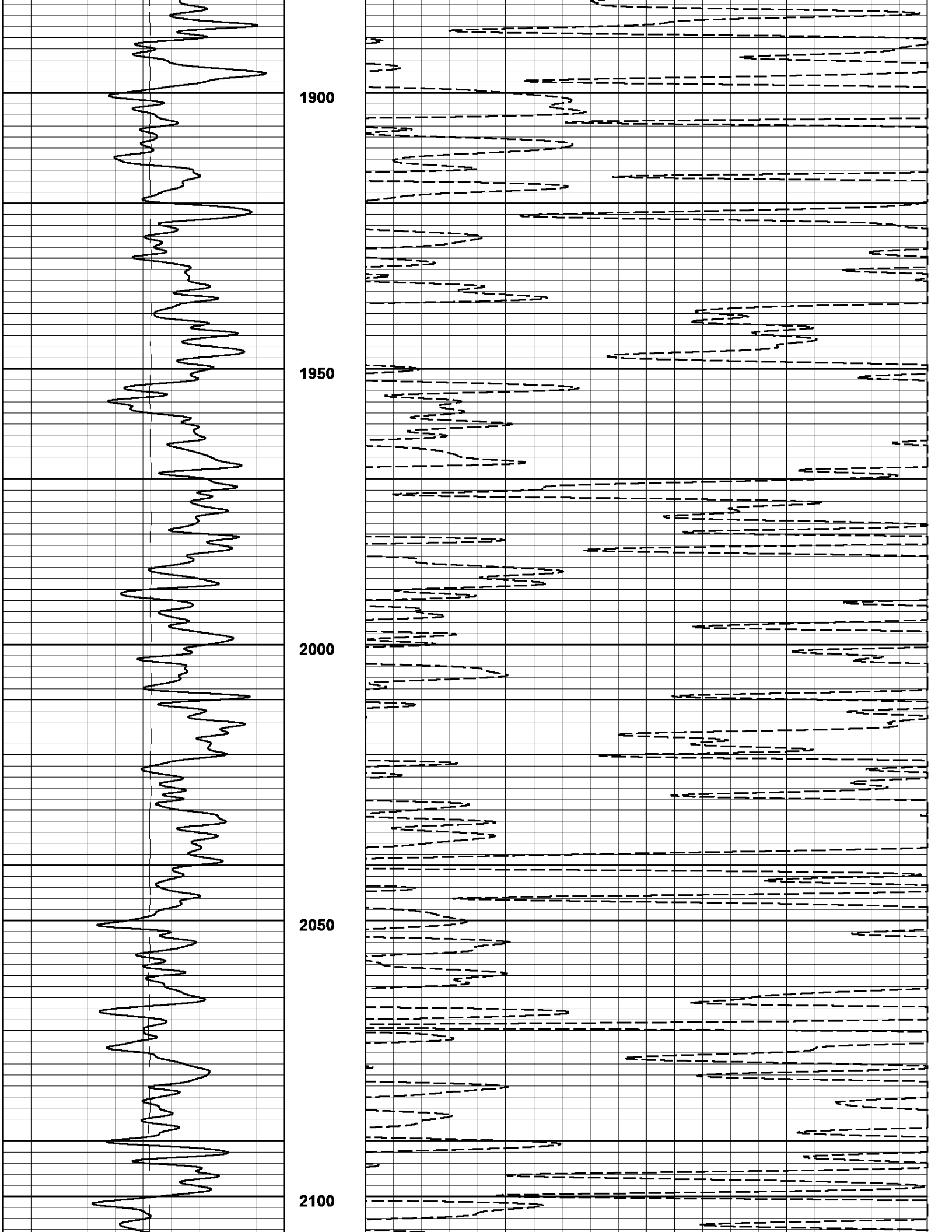


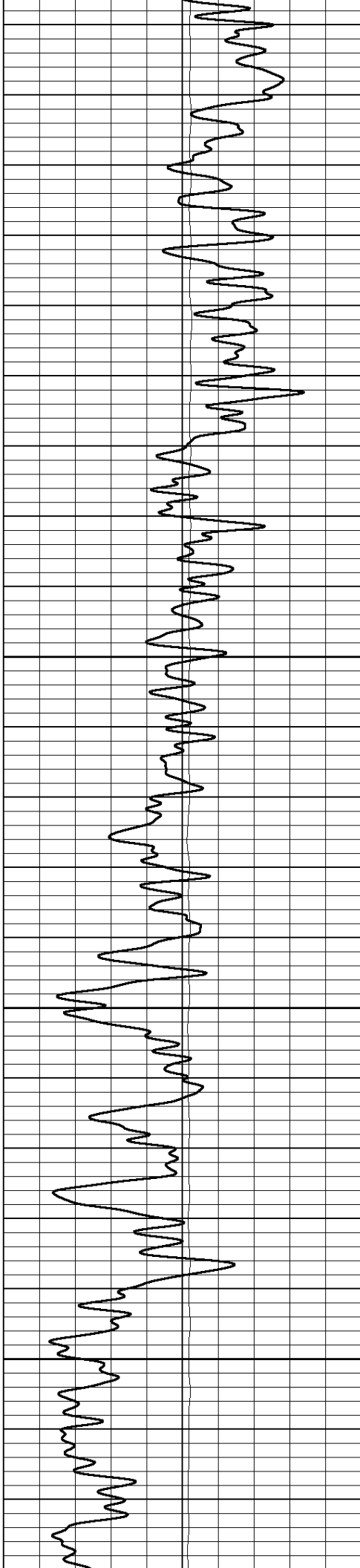
5525



5550





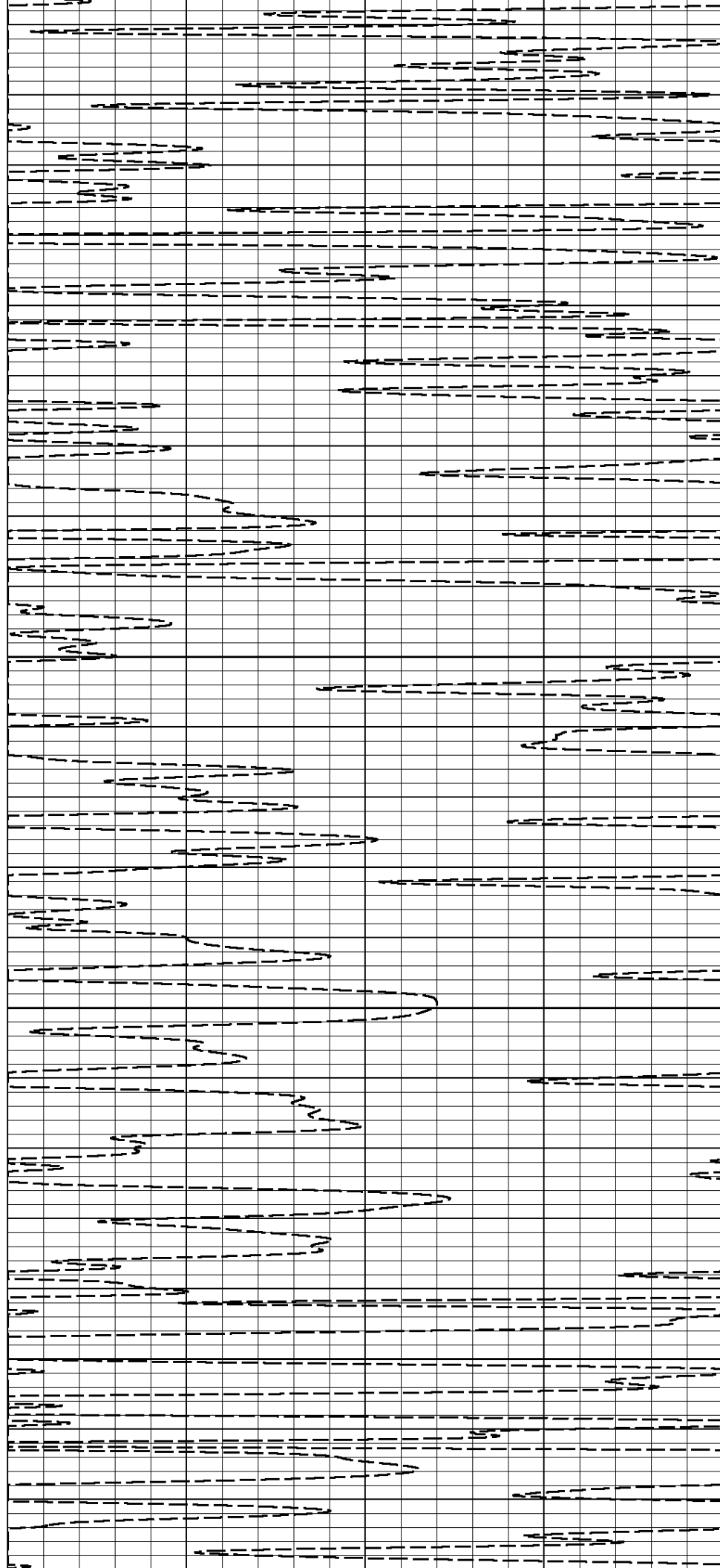


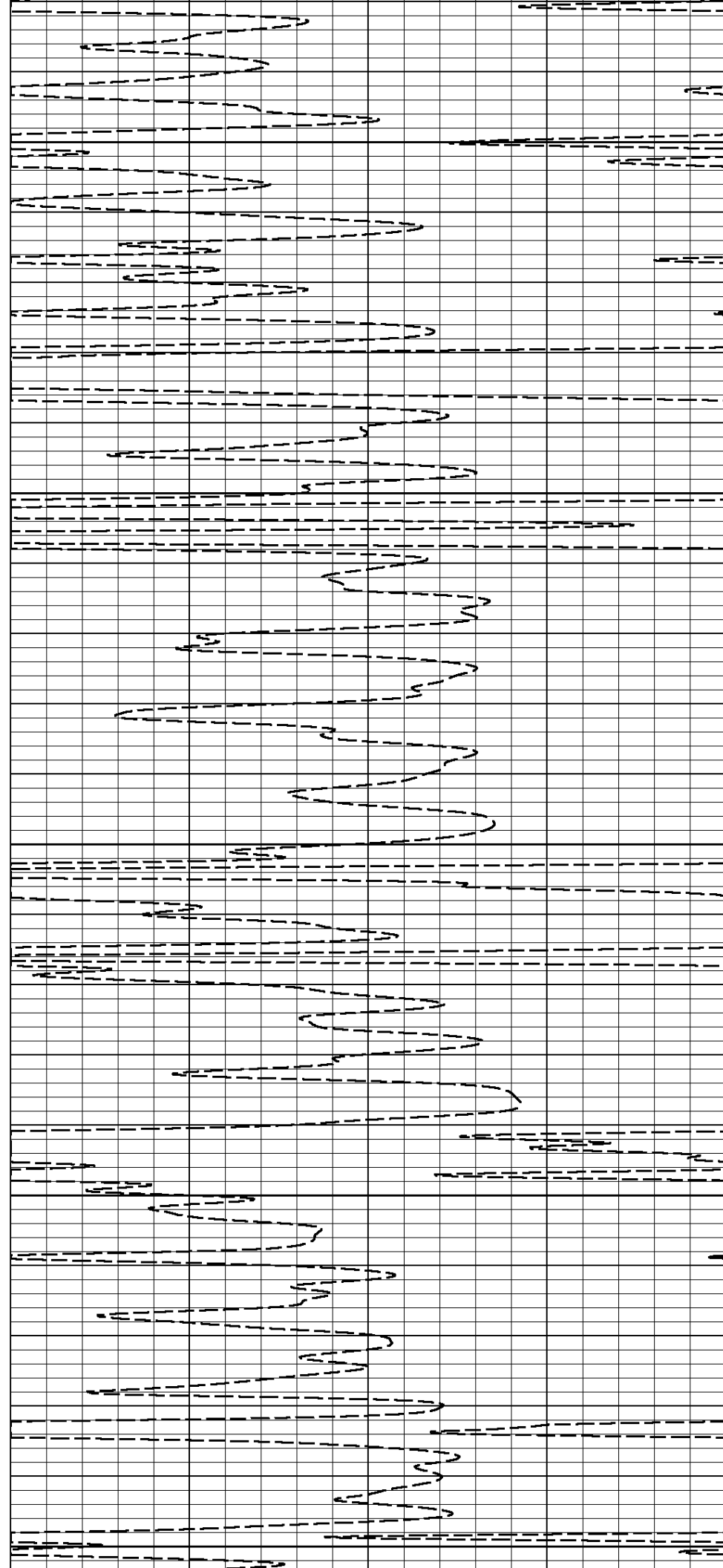
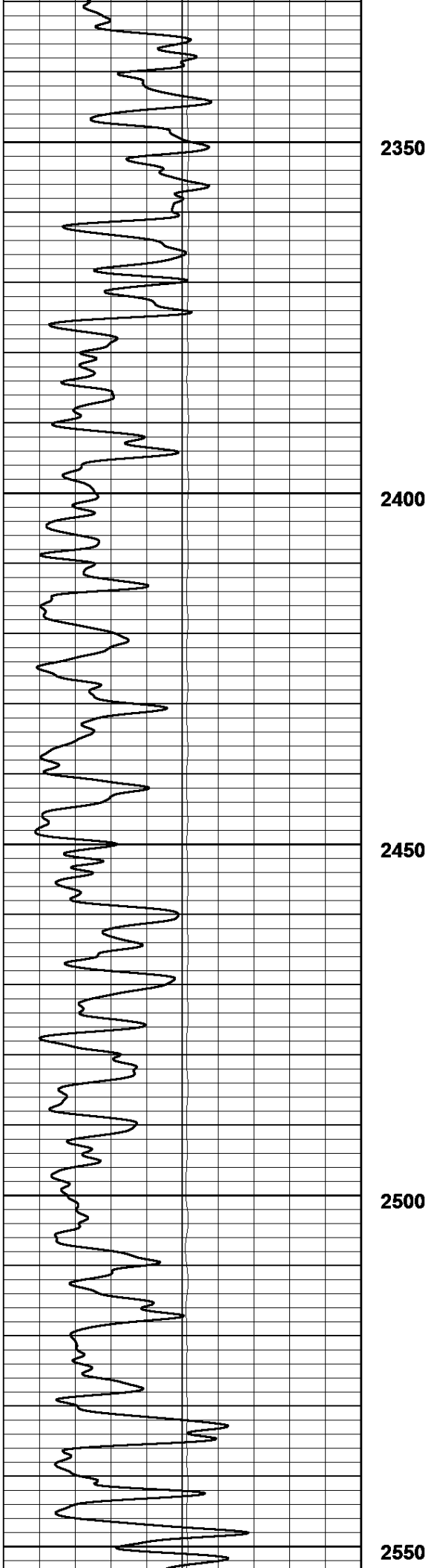
2150

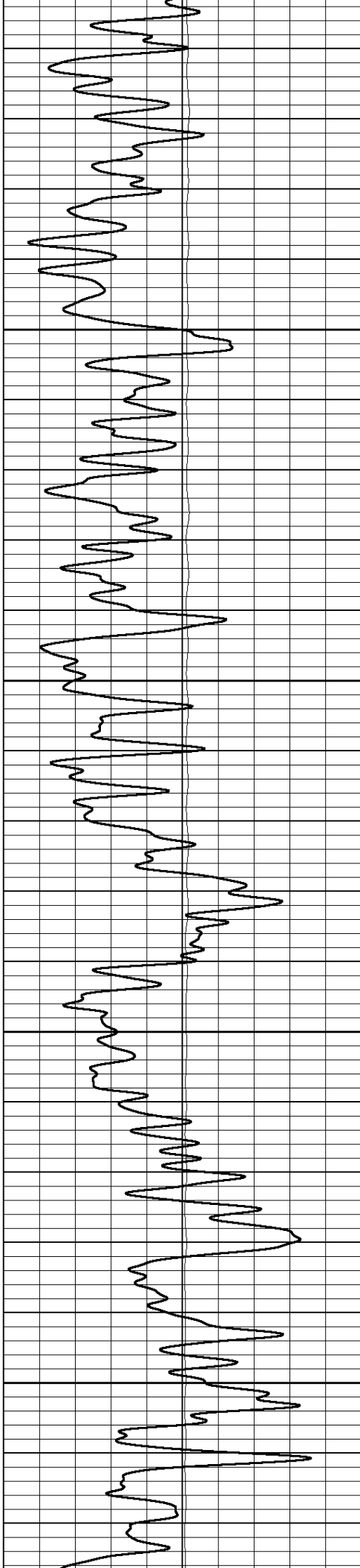
2200

2250

2300





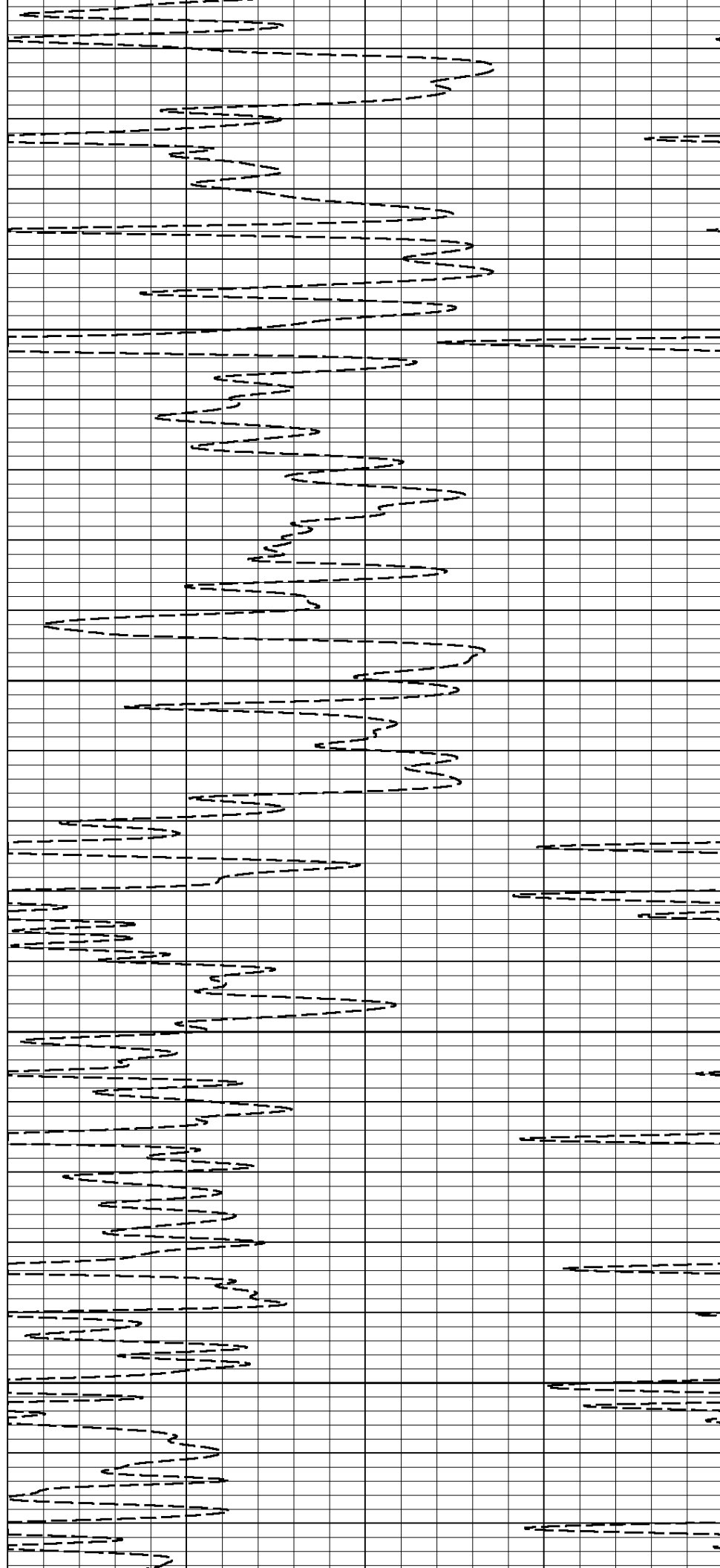


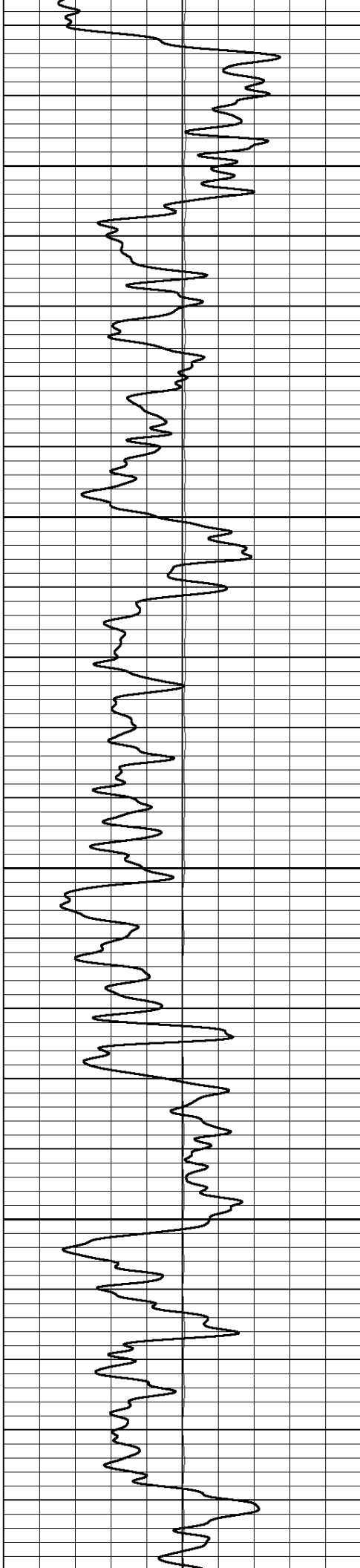
2600

2650

2700

2750



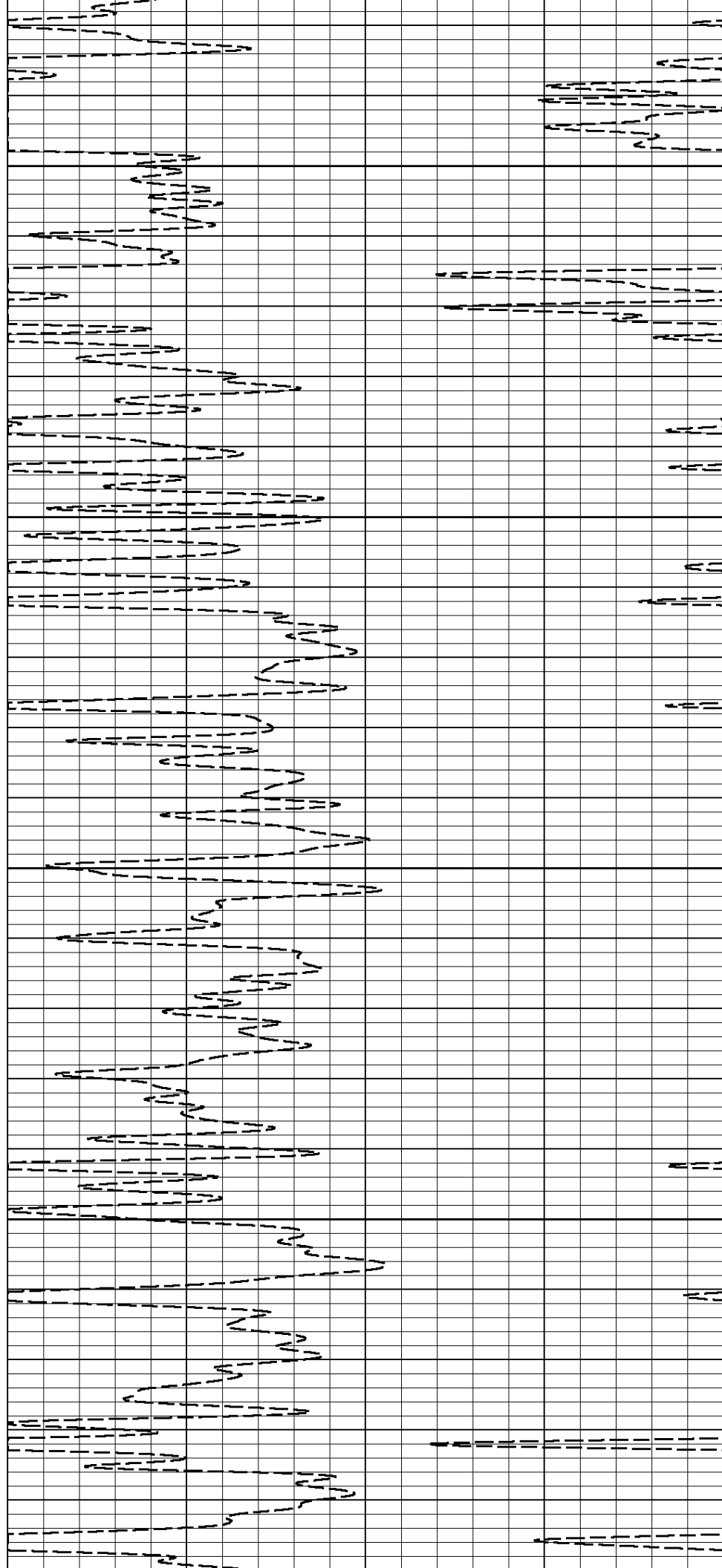


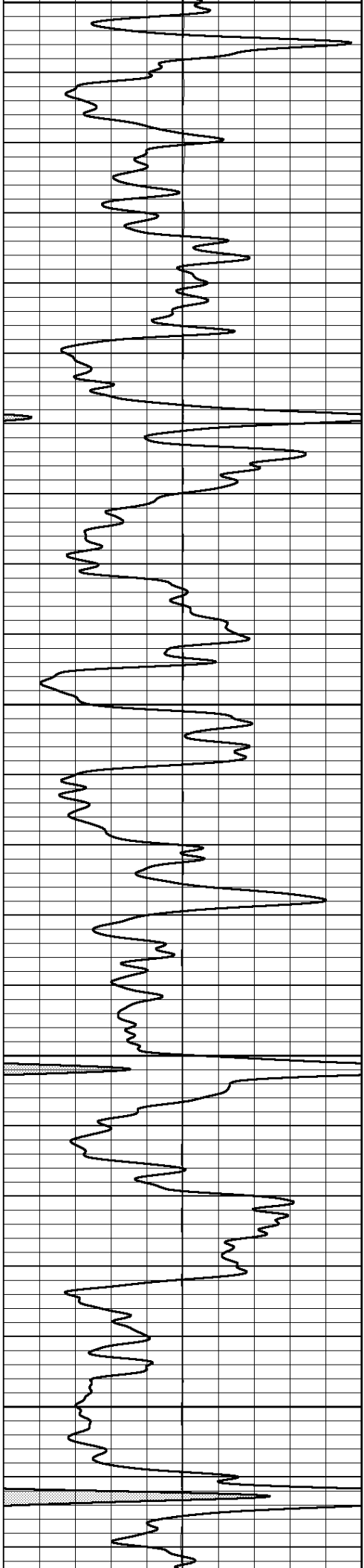
2800

2850

2900

2950





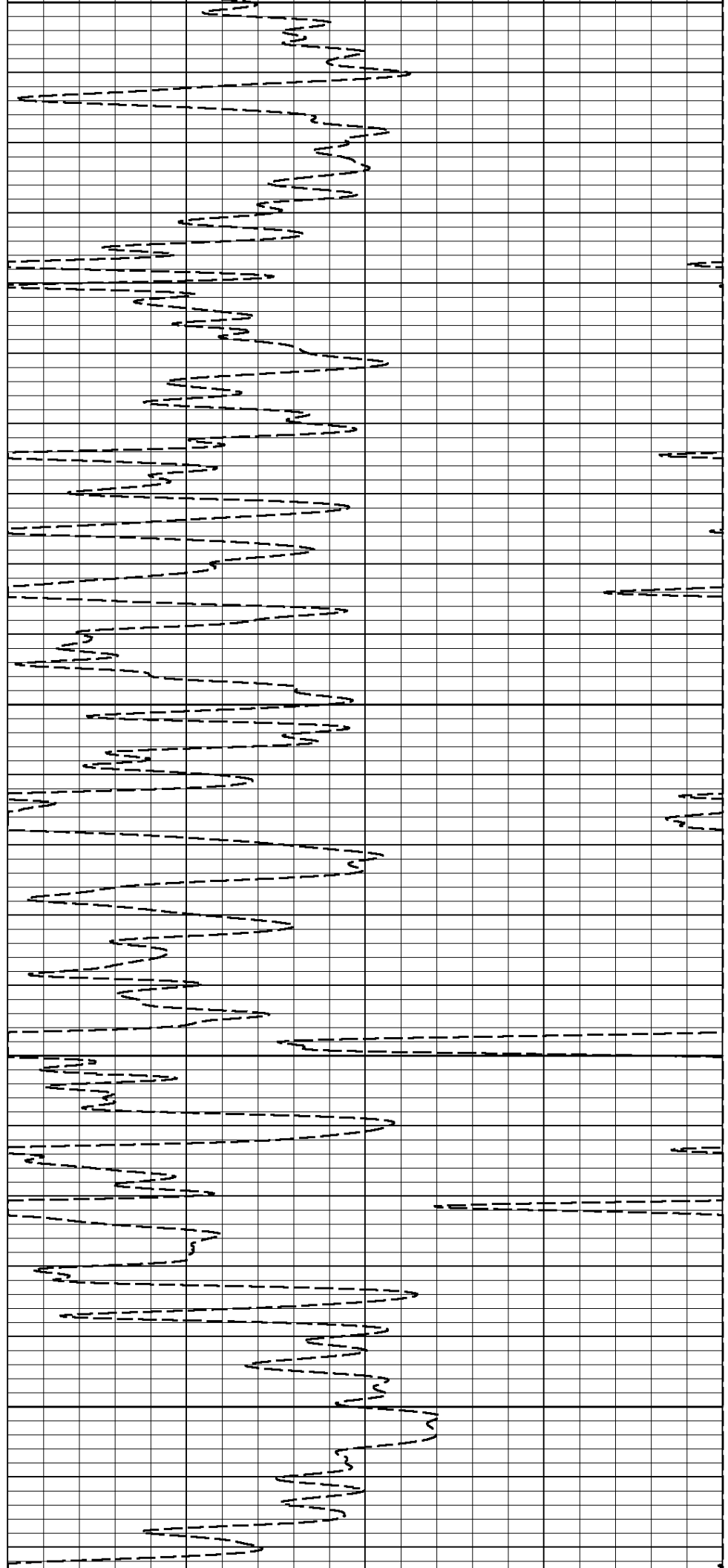
3000

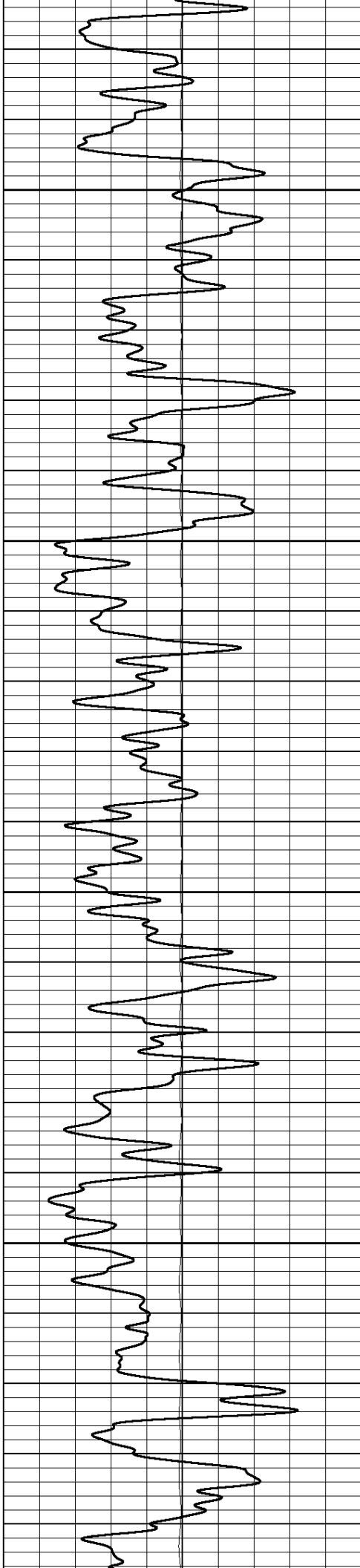
3050

3100

3150

3200



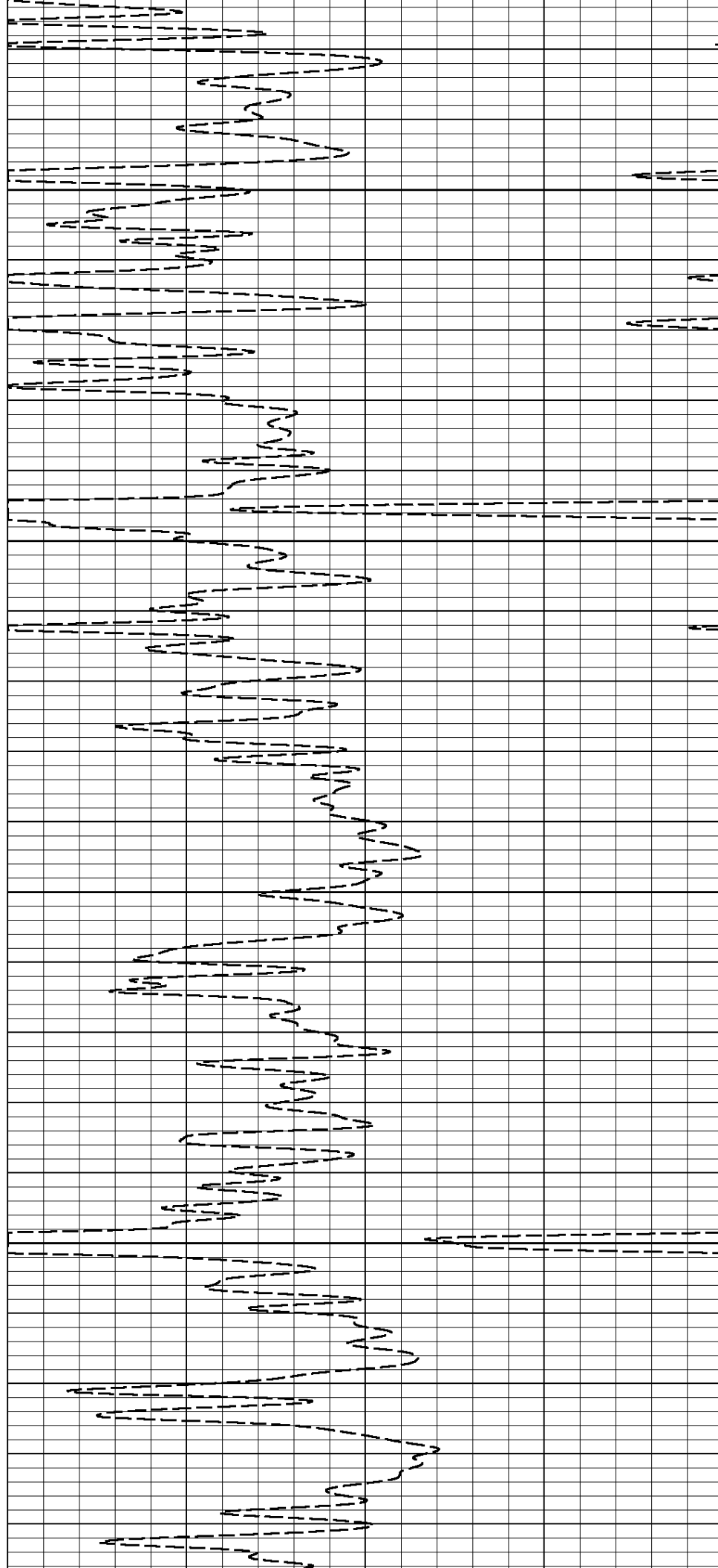


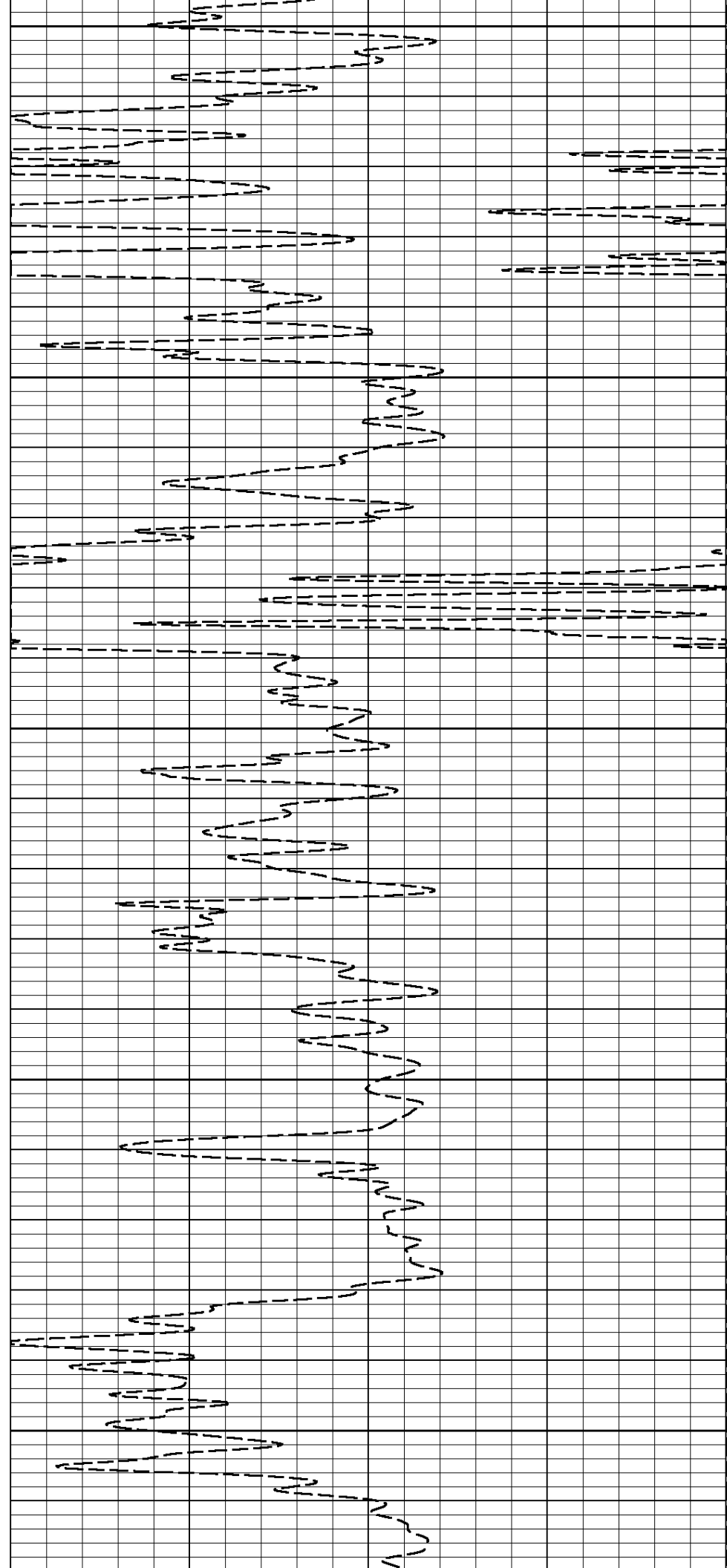
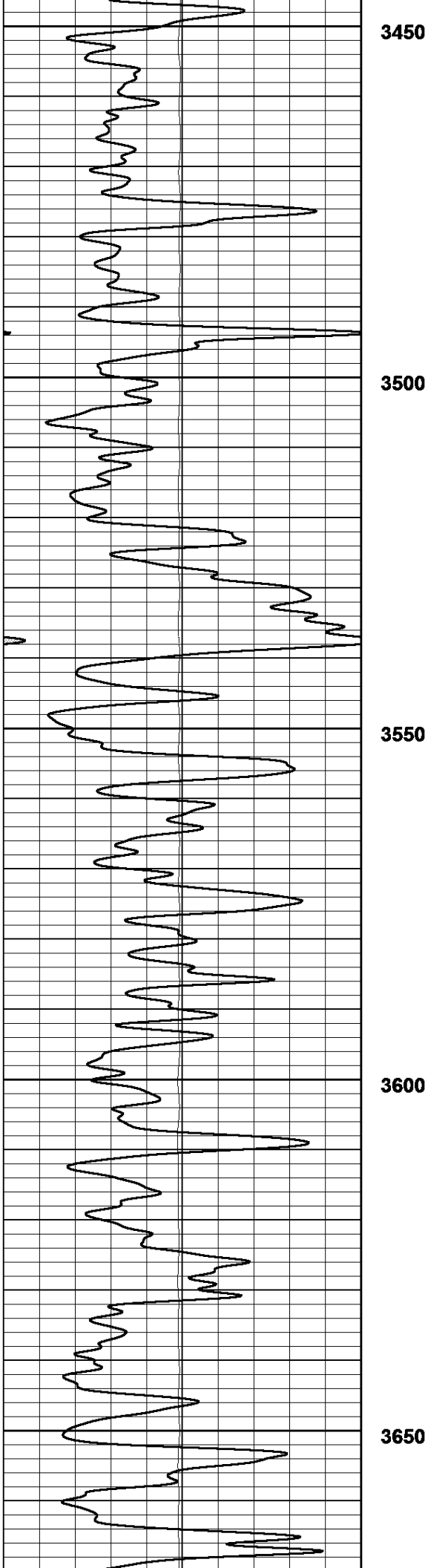
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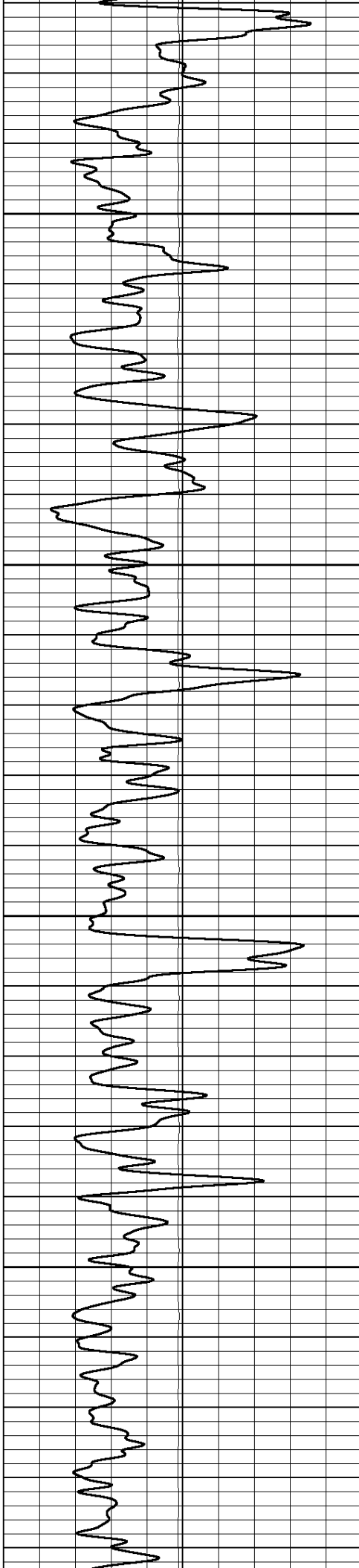
3300

3350

3400





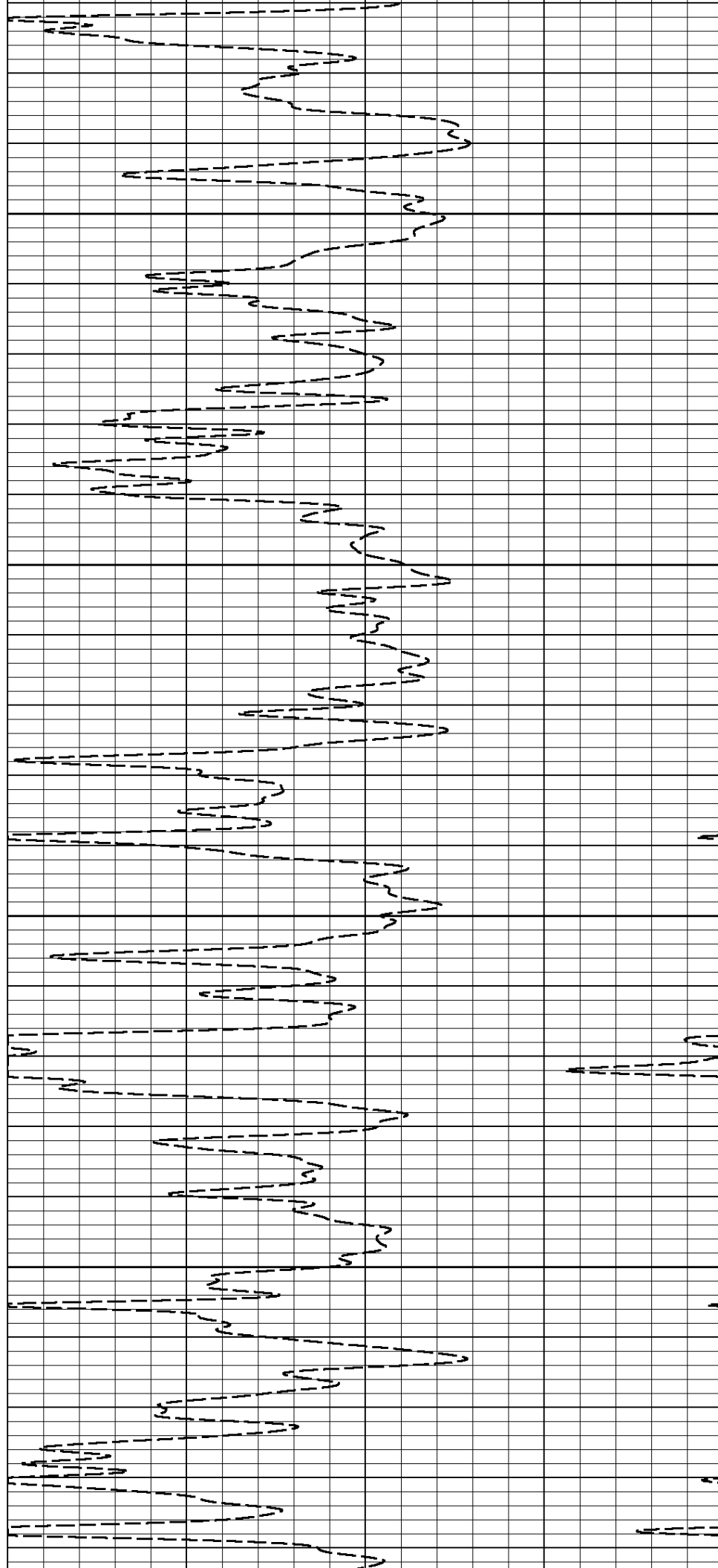


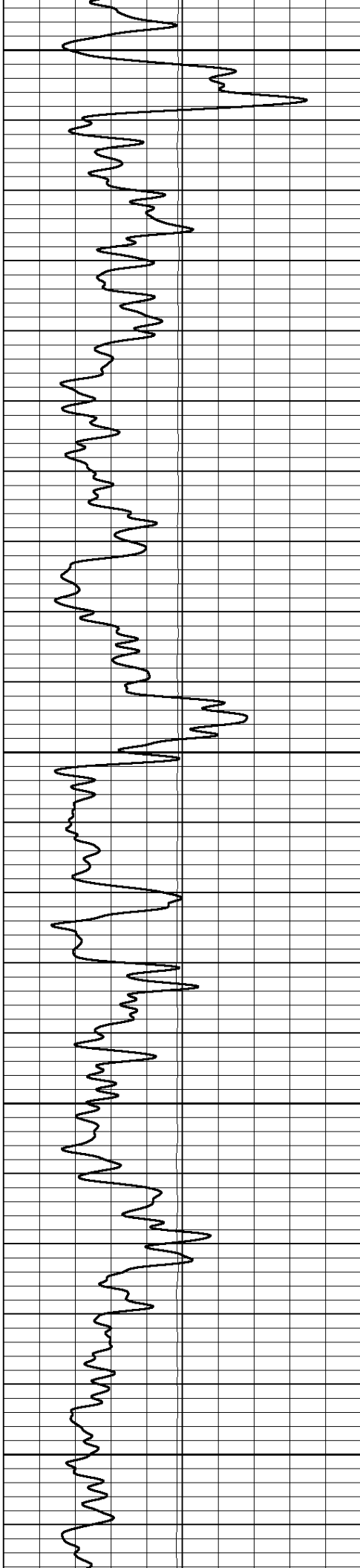
3700

3750

3800

3850





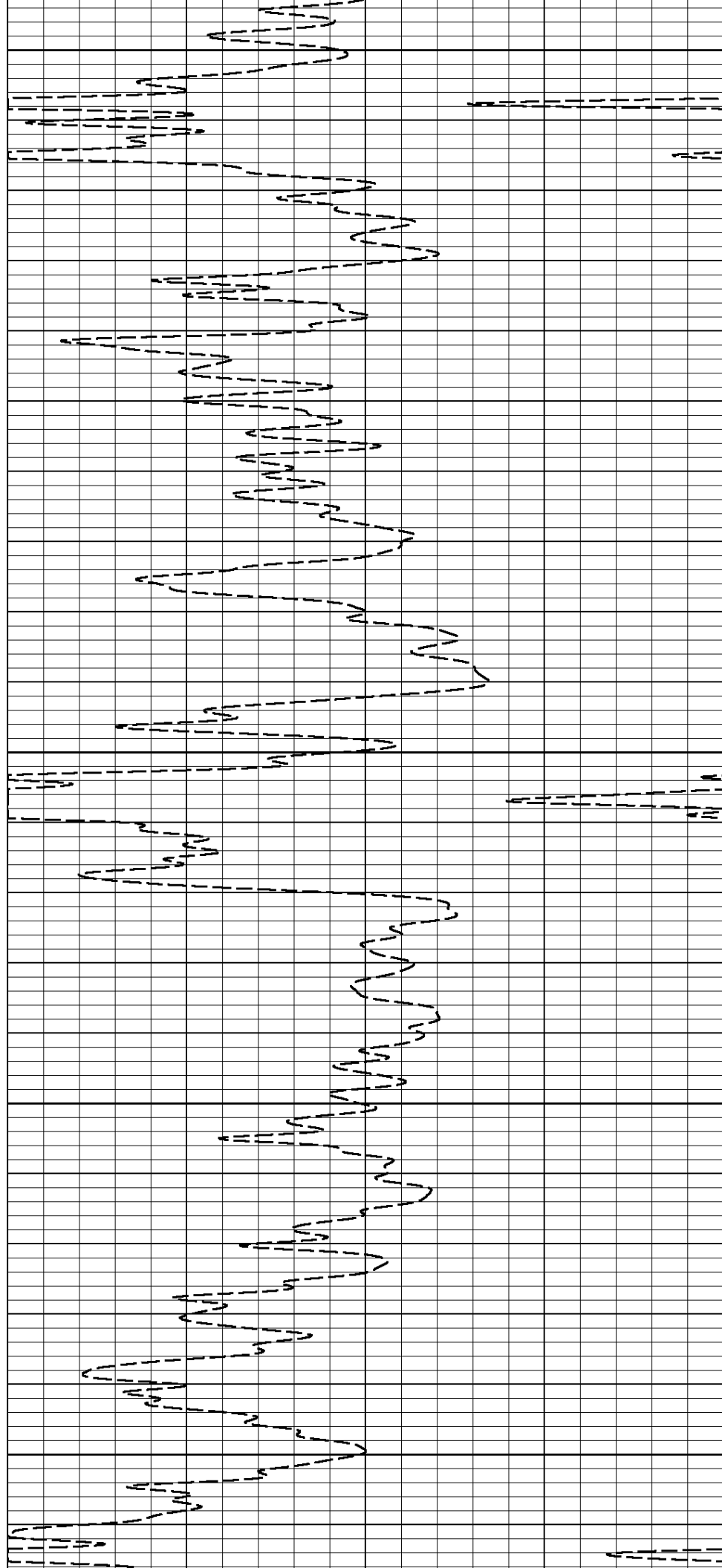
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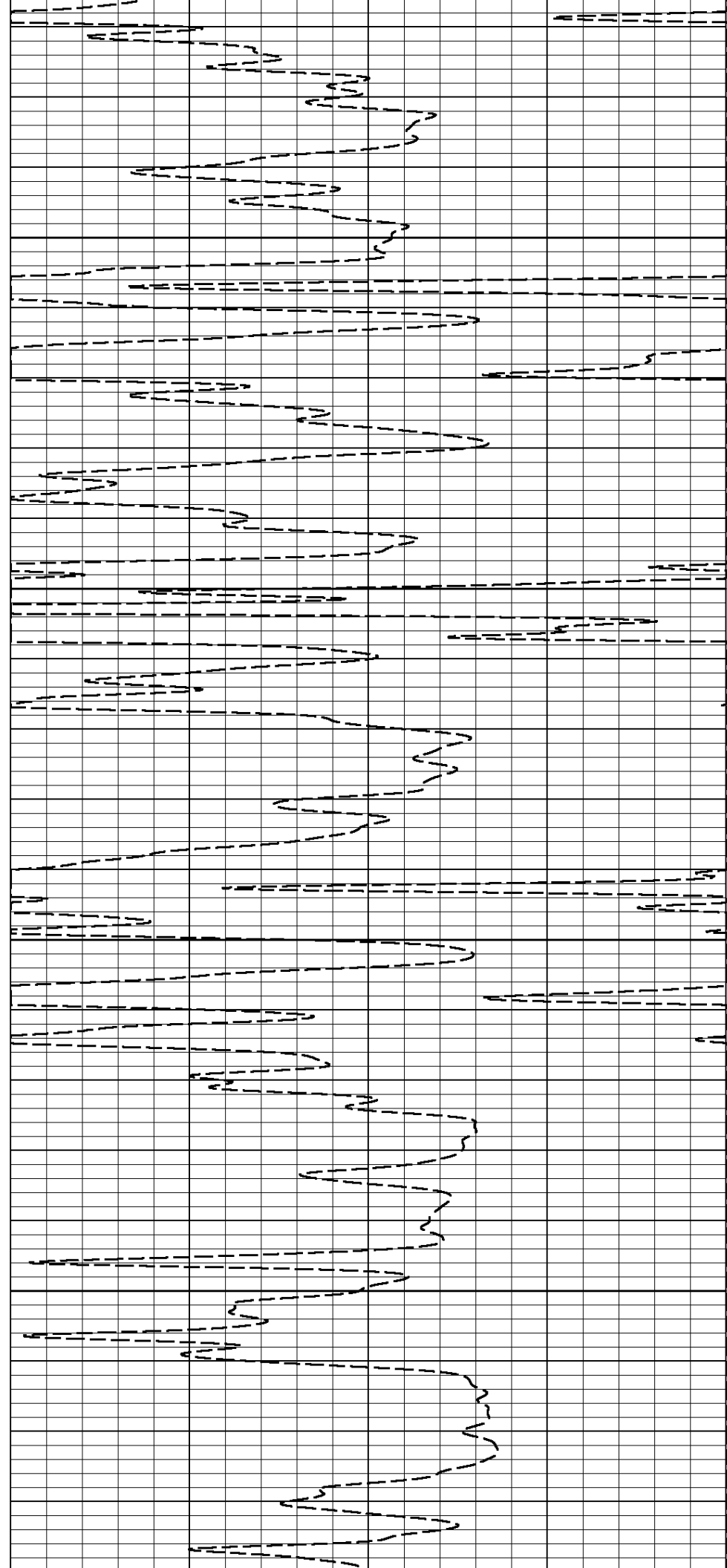
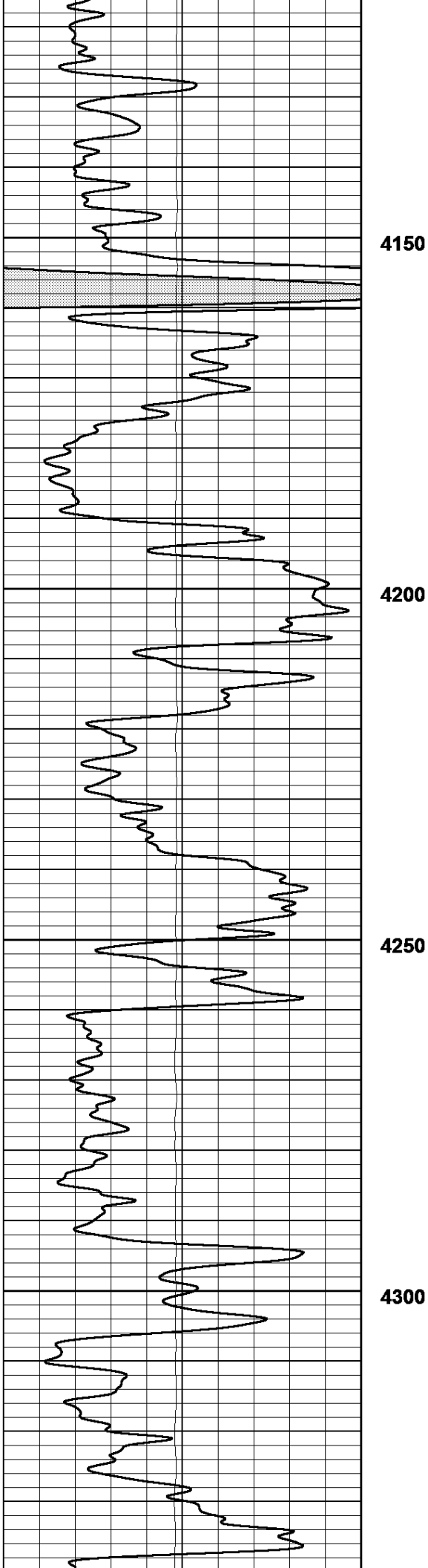
3950

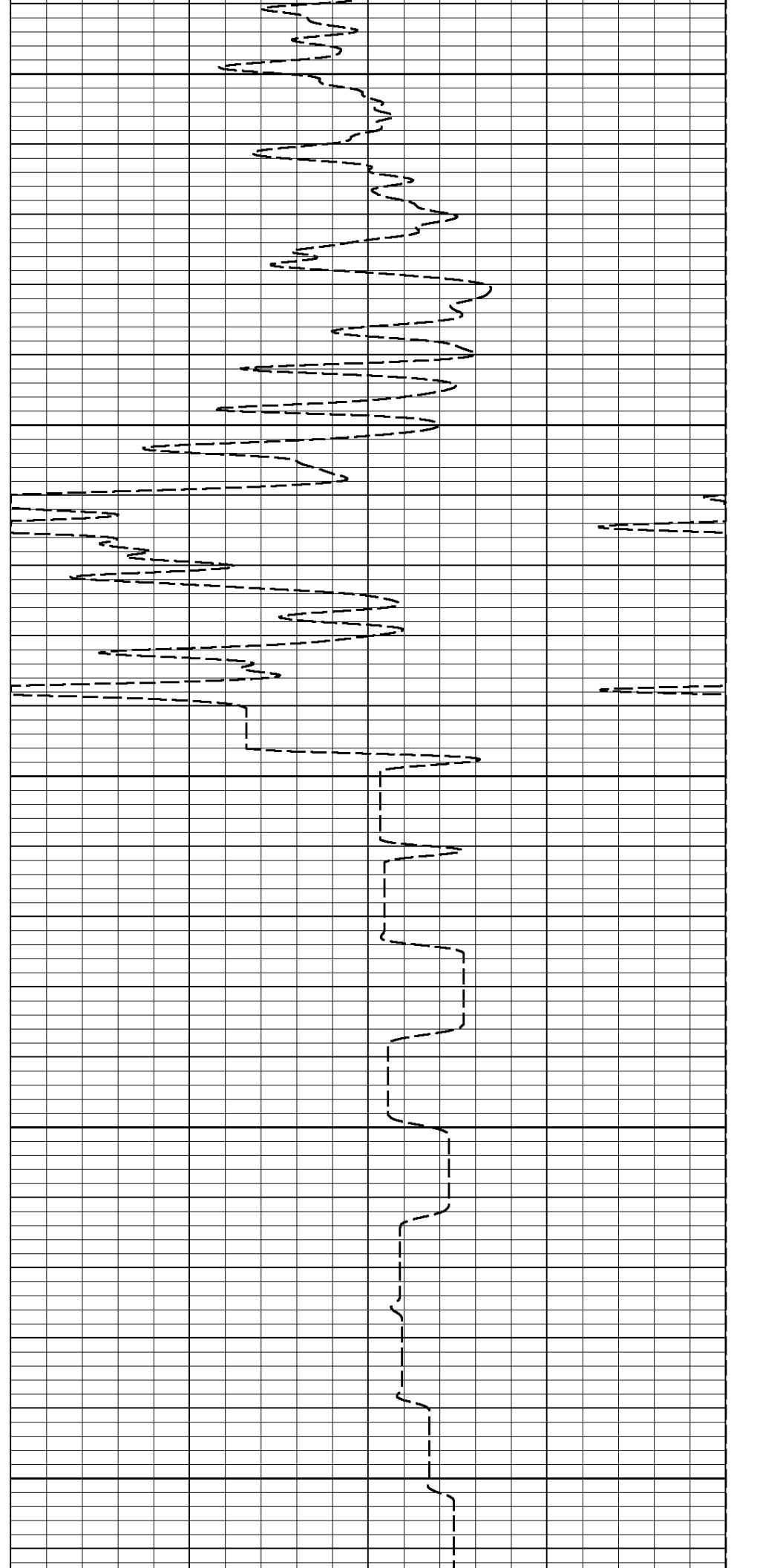
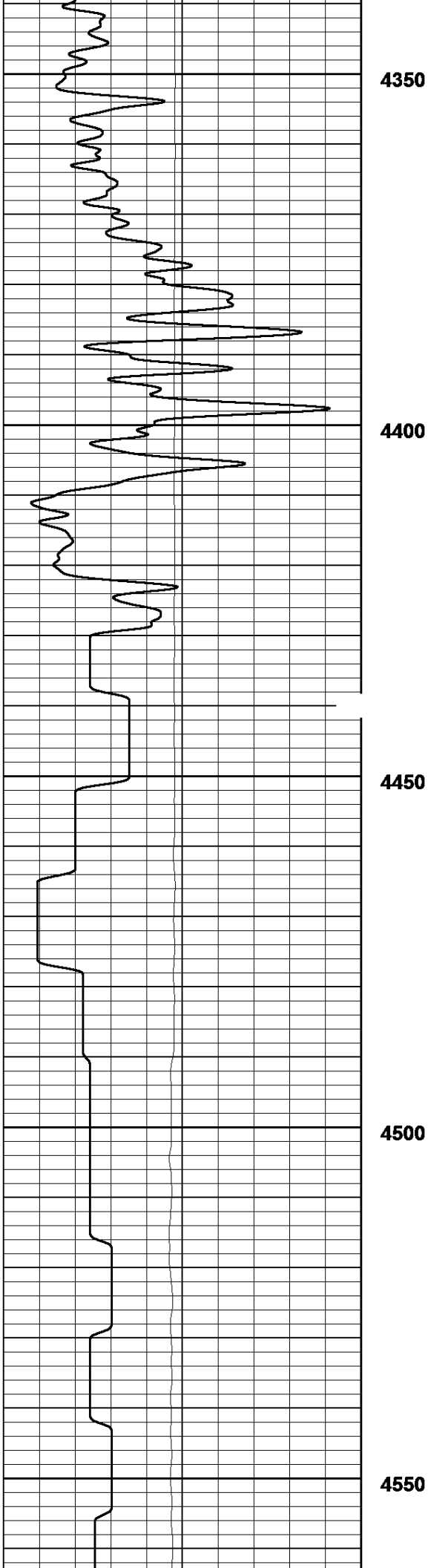
4000

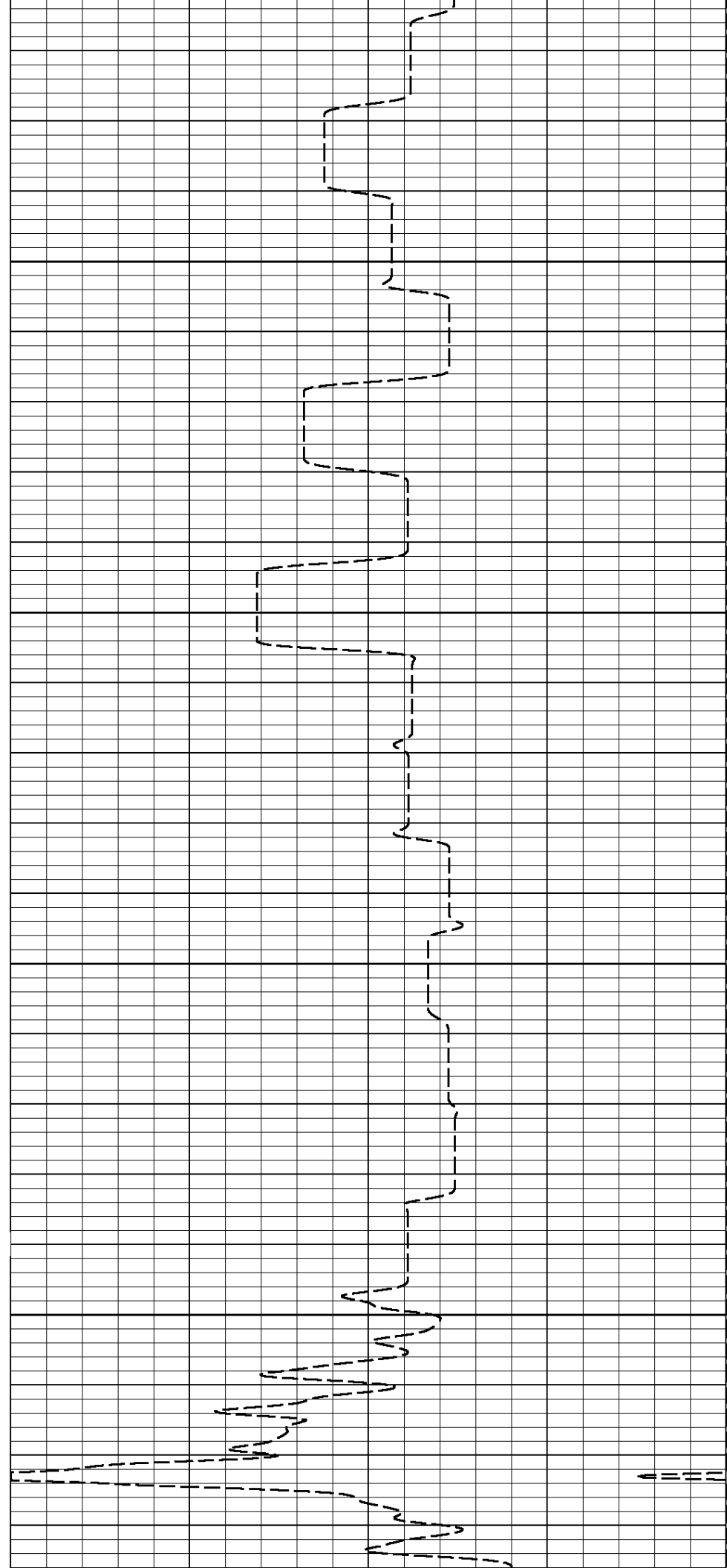
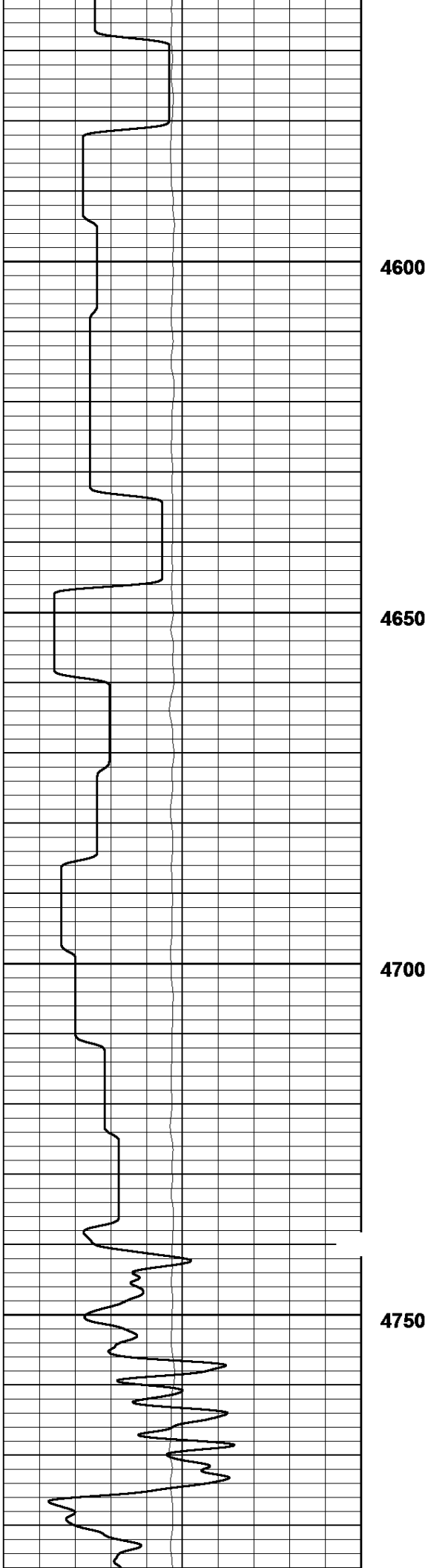
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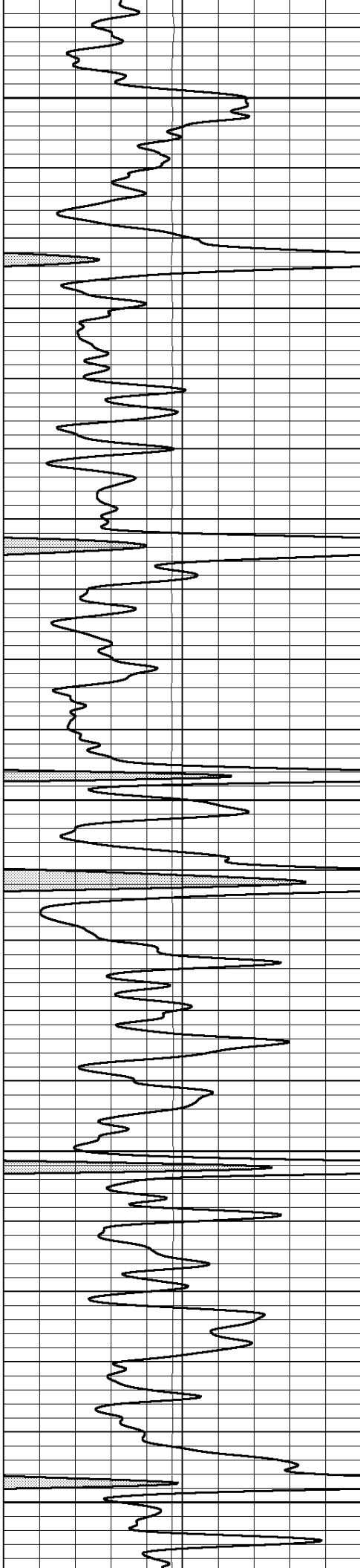
4100











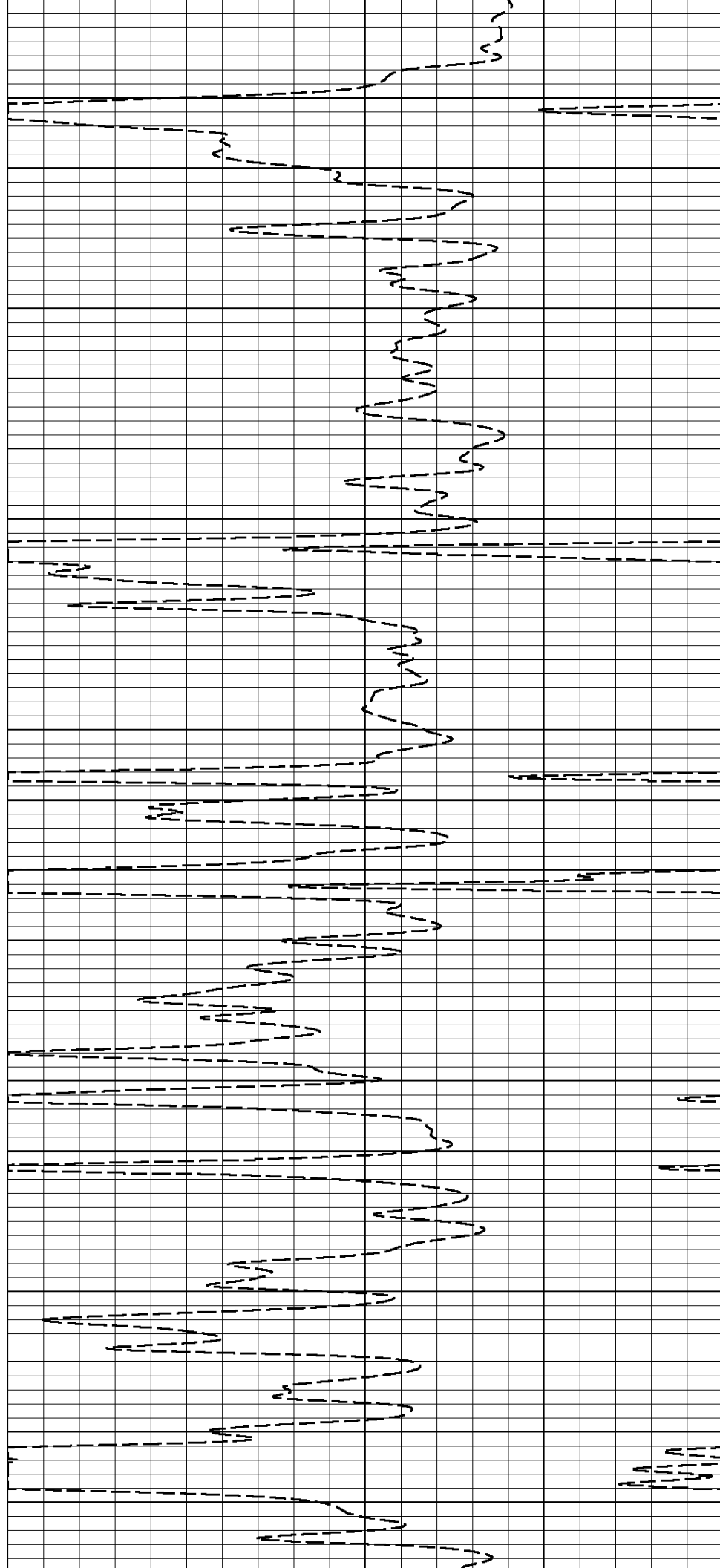
4800

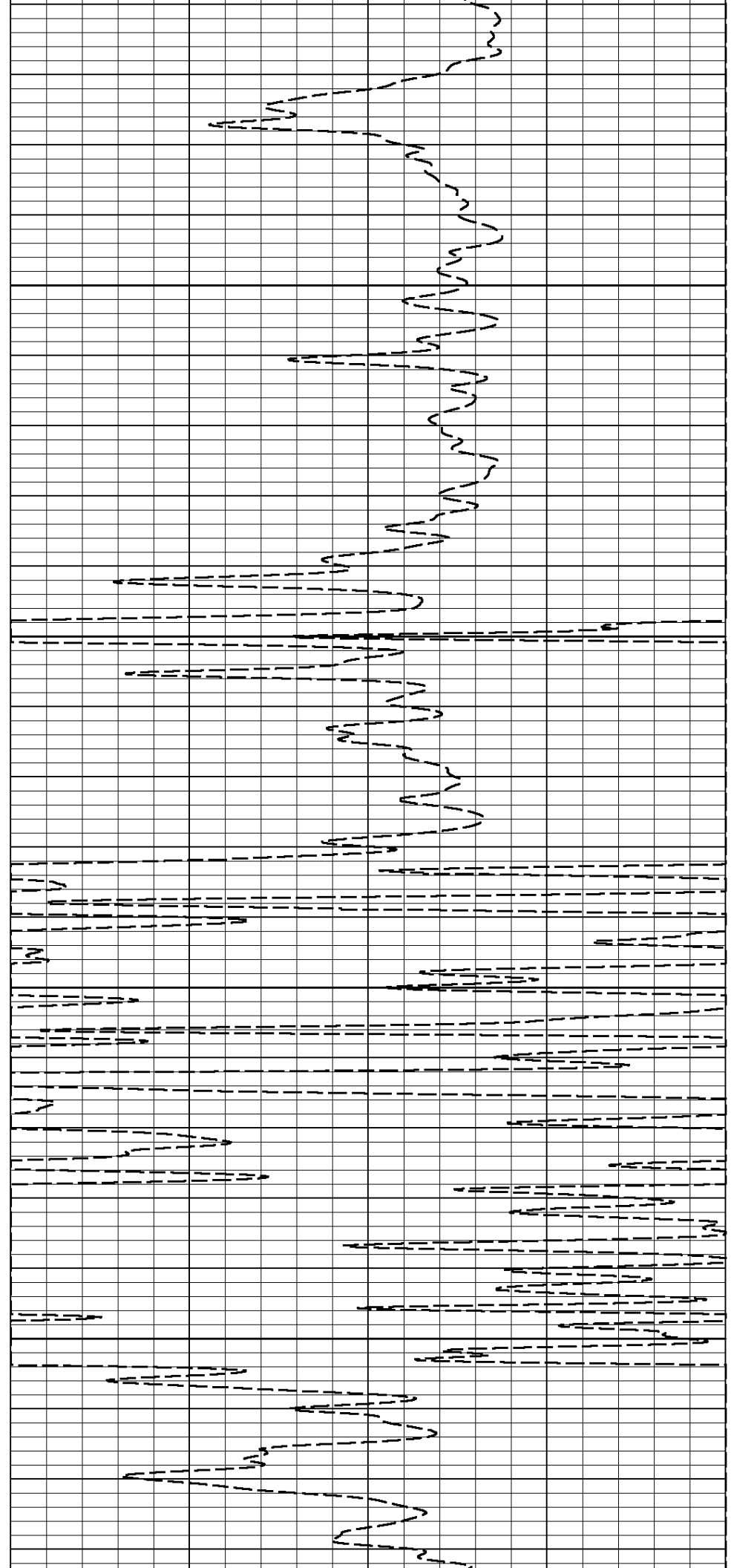
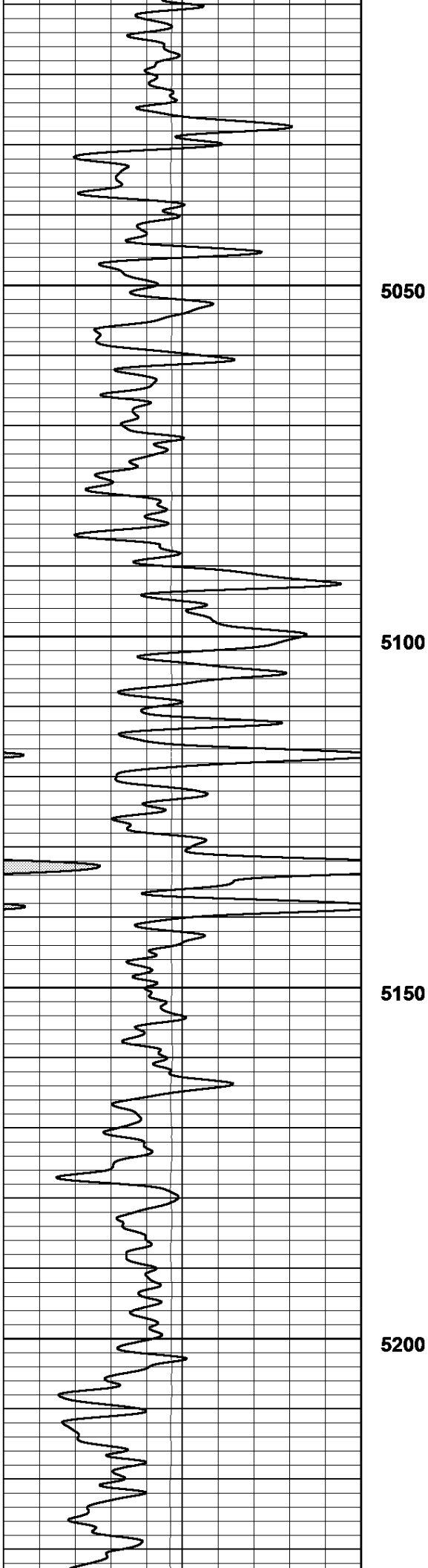
4850

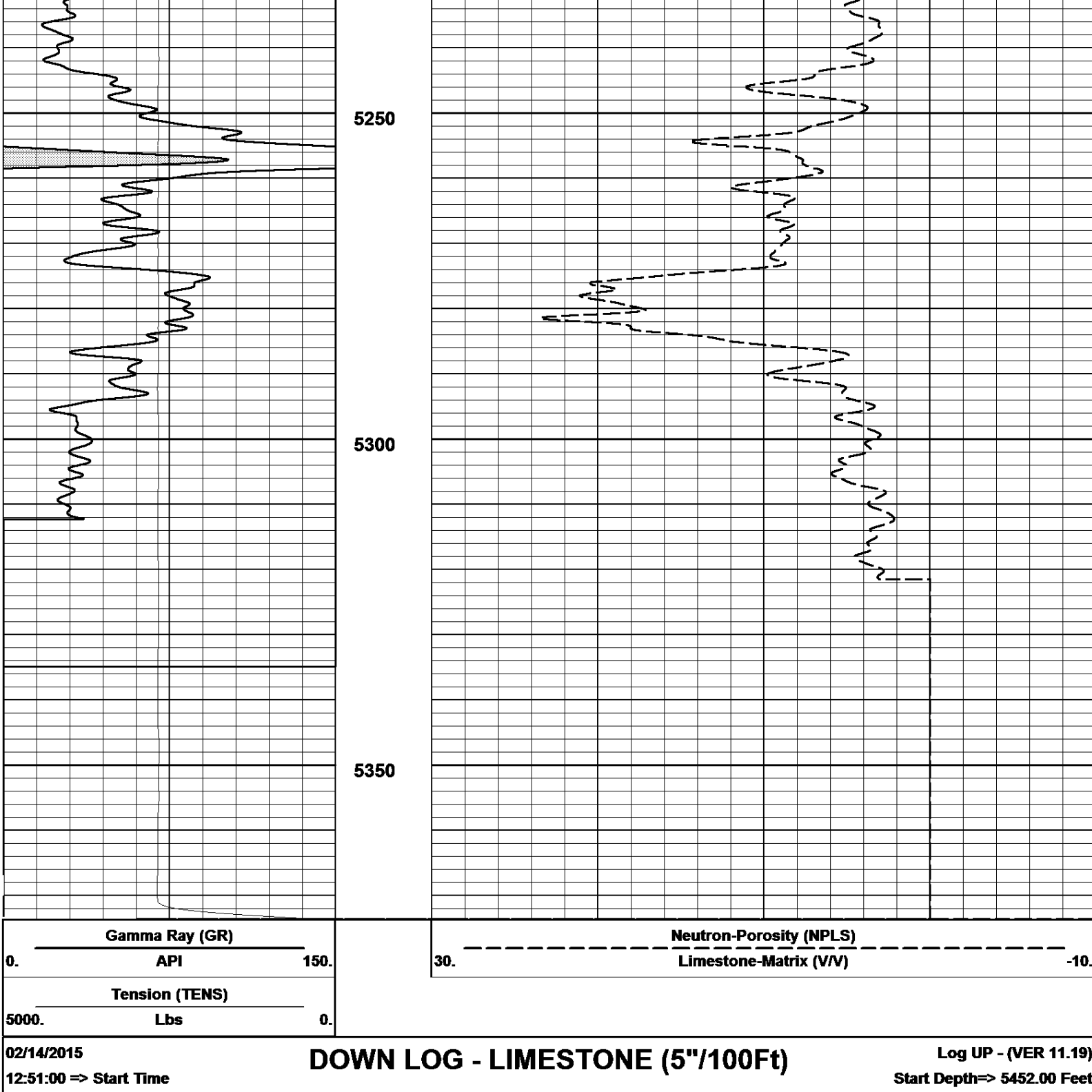
4900

4950

5000







Litho-Density/PE Calibrations

TOOL TYPE
SERIAL NUM

LFDC/Pe
RL4103

SOURCE TYPE
SOURCE NUM

CESIUM 137

SOURCE STRGTH 2 CURIE

MASTER BLOCK CALIBRATIONS

	W1(cps)	W2(cps)	W3(cps)	W4(cps)	SS	UNITS	CALIBRATION DATE	CALIBRATION TIME
ALUMINUM	5892.516	5029.458	2734.071	6.687	4251.8498	2.523(g/cc)	M/D/Y> 2/4/2015	H:M:S> 16:0:52
MAGNESIUM	14985.170	12387.275	5737.224	6.832	6211.0070	1.679(g/cc)		

BACKGROUND		2725.213	2408.735	1661.041	6.841	6.1769			
SAND		13153.558	11093.799	5302.449	6.979		1.739(PE)		
IRON		5411.098	4673.044	2621.333	6.709		4.529(PE)		
FIELD VERIFIER(cps)		1614.960	1433.200	973.680	4.560	5.1200			
VER NUM	LDP-4102								
WELL SITE CALIBRATIONS									
VER NUM	LDP-4102	W1(cps)	W2(cps)	W3(cps)	W4(cps)	SS		CALIBRATION DATE	CALIBRATION TIME

Compensated Neutron Calibrations

TOOL TYPE	CNT-B	SOURCE TYPE	AM241BE	SOURCE STRGTH	15 CURIE
SERIAL NUM	RN2002	SOURCE NUM			

MASTER TANK CALIBRATIONS

		NEAR(cps)	FAR(cps)	RATIO	K VALUE	CALIBRATION DATE	CALIBRATION TIME
LOW PHI	3.150			0.5377	0.8185	M/D/Y> 2/4/2015	H:M:S> 17:9:49
MED PHI	19.130			0.9213	0.8185		
HIGH PHI	31.300			1.1044	0.8186		
FIELD VERIFIER(cps)		294.161	282.345	1.0418			
VER NUM	7430						

WELL SITE CALIBRATIONS

VER NUM	7430	NEAR(cps)	FAR(cps)	RATIO	CALIBRATION DATE	CALIBRATION TIME

GAMMA RAY CALIBRATION

SERIAL NUM	RG3005
BLANKET NUM	1A

MASTER CALIBRATIONS

	BackGrnd	CalVal: 159.000 API	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	75.013 - raw	494.978 - raw	0.379 - gain 0.000 - off	M/D/Y> 2/4/2015	H:M:S> 16:43:46

WELL SITE CALIBRATIONS

	BackGrnd	CalVal: 100.000 Mknuls	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
PRE CAL	-0.059 - raw	26.967 - raw	3.700 - gain	M/D/Y> 11/12/2004	H:M:S> 12:40:27

X CALIPER

SERIAL NUM	RL4103

MASTER CALIBRATIONS

	ZeroVal: 6.000 mm	CalVal: 10.000 mm	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	3169.680 - raw	5269.563 - raw	0.002 - gain -0.038 - off	M/D/Y> 2/4/2015	H:M:S> 16:15:2

Y CALIPER CALIBRATIONS

SERIAL NUM	RN2002

MASTER CALIBRATIONS

	ZeroVal: 6.000 in	CalVal: 10.000 in	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	1169.834 - raw	1852.467 - raw	0.006 - gain -0.855 - off	M/D/Y> 2/4/2015	H:M:S> 17:18:14

MICRO INVERSE CALIBRATION

SERIAL NUM	RM8008

MASTER CALIBRATIONS

	ZeroVal: 0.010 CPS	CalVal: 10.000 CPS	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	16.620 - raw	277.248 - raw	0.038 - gain -0.627 - off	M/D/Y> 2/11/2015	H:M:S> 17:37:59

MICRO NORMAL CALIBRATION

SERIAL NUM	RM8008

MASTER CALIBRATIONS

	ZeroVal: 0.010 CPS	CalVal: 10.000 CPS	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	29.467 - raw	355.787 - raw	0.031 - gain -0.892 - off	M/D/Y> 2/11/2015	H:M:S> 17:43:7

MICRO CALIPER CALIBRATION

SERIAL NUM	RM8008

MASTER CALIBRATIONS

	ZeroVal: 6.000 mm	CalVal: 10.000 mm	Gain/Offset	CALIBRATION DATE	CALIBRATION TIME
BASE CALS	1814.248 - raw	3945.203 - raw	0.002 - gain 2.594 - off	M/D/Y> 2/11/2015	H:M:S> 17:51:32

Company	FALCON EXPLORATION, INC.
Well	GILBERT NICKEL (NW) #1-25
Field	N/A
County	HASKELL
State	KANSAS

RECON

COMPENSATED NEUTRON
LITHOLOGY DENSITY
GAMMA RAY X-Y CALIPER
MICROLOG