

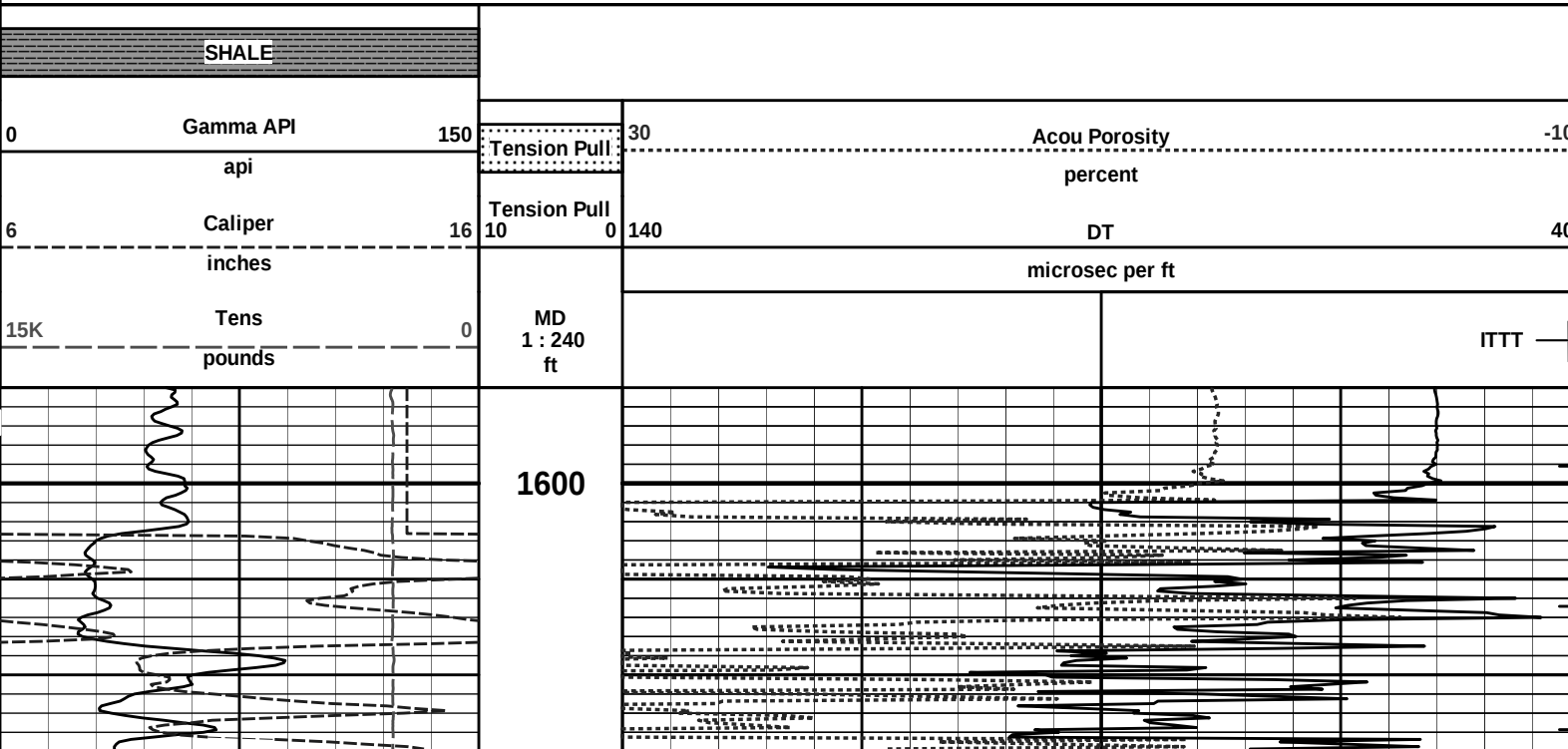
HALLIBURTON

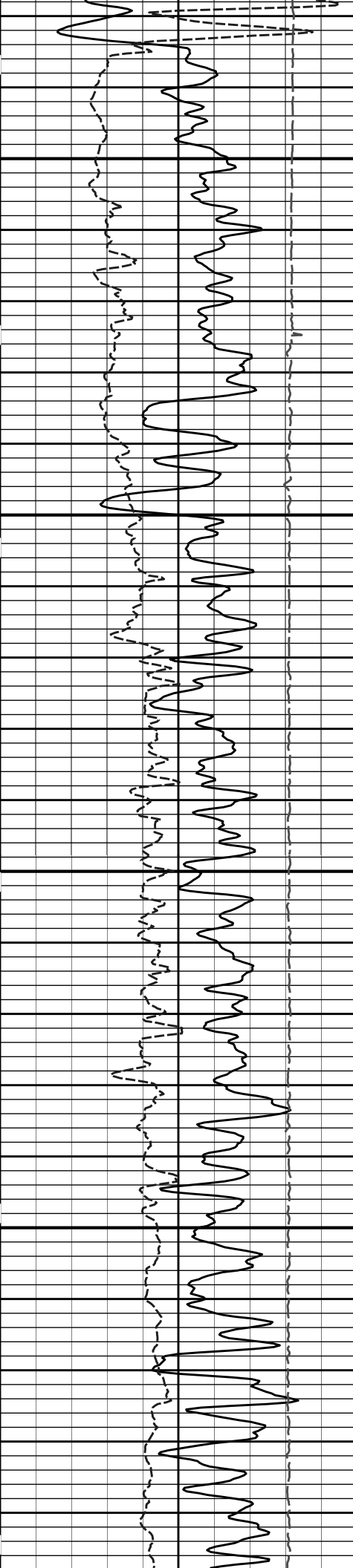
BOREHOLE COMPENSATED SONIC ARRAY LOG

RAYDON EXPLORATION INC.				RAYDON EXPLORATION INC.			
COMPANY		WELL		COMPANY		WELL	
WELL		FIELD/BLOCK		FIELD/BLOCK		FIELD/BLOCK	
COUNTY		COUNTY		COUNTY		COUNTY	
STATE		STATE		STATE		STATE	
Permanent Datum		Sect. 34		Twp. 33S		Rge. 31W	
Log measured from		GL		Elev. 2730.0 ft		Elev.: K.B. 2739.0 ft	
Drilling measured from		KB		9.0 ft above perm. Datum		D.F. 2738.0 ft	
Date		13-Mar-14				G.L. 2730.0 ft	
Run No.		ONE					
Depth - Driller		6250.00 ft					
Depth - Logger		6258.0 ft					
Bottom - Logged Interval		6206					
Top - Logged Interval		1602					
Casing - Driller		8.625 in		@ 1602.0 ft		@	
Casing - Logger		1602.0 ft				@	
Bit Size		7.875 in				@	
Type Fluid in Hole		Water Based Mud					
Density		9.2 ppg		48.00 sqft			
PH		10.00 pH		8.0 cpm			
Source of Sample		MUDPIT					
Rm @ Meas. Temperature		0.8100000000000005000 ohmm		@ 71.00 degF		@	
Rmf @ Meas. Temperature		0.69 ohmm		@ 71.00 degF		@	
Rmc @ Meas. Temperature		0.930 ohmm		@ 71.00 degF		@	
Source Rmf		CALCULATED		CALCULATED			
Rm @ BHT		0.44 ohmm		@ 136.0 degF		@	
Time Since Circulation		7.3 hr					
Time on Bottom		13-Mar-14 06:51					
Max. Rec. Temperature		136.0 degF		@ 6258.0 ft		@	
Equipment		11072142		LIBERAL			
Recorded By		SHELDON INGERSOLL					
Witnessed By		E. GRIEVES					

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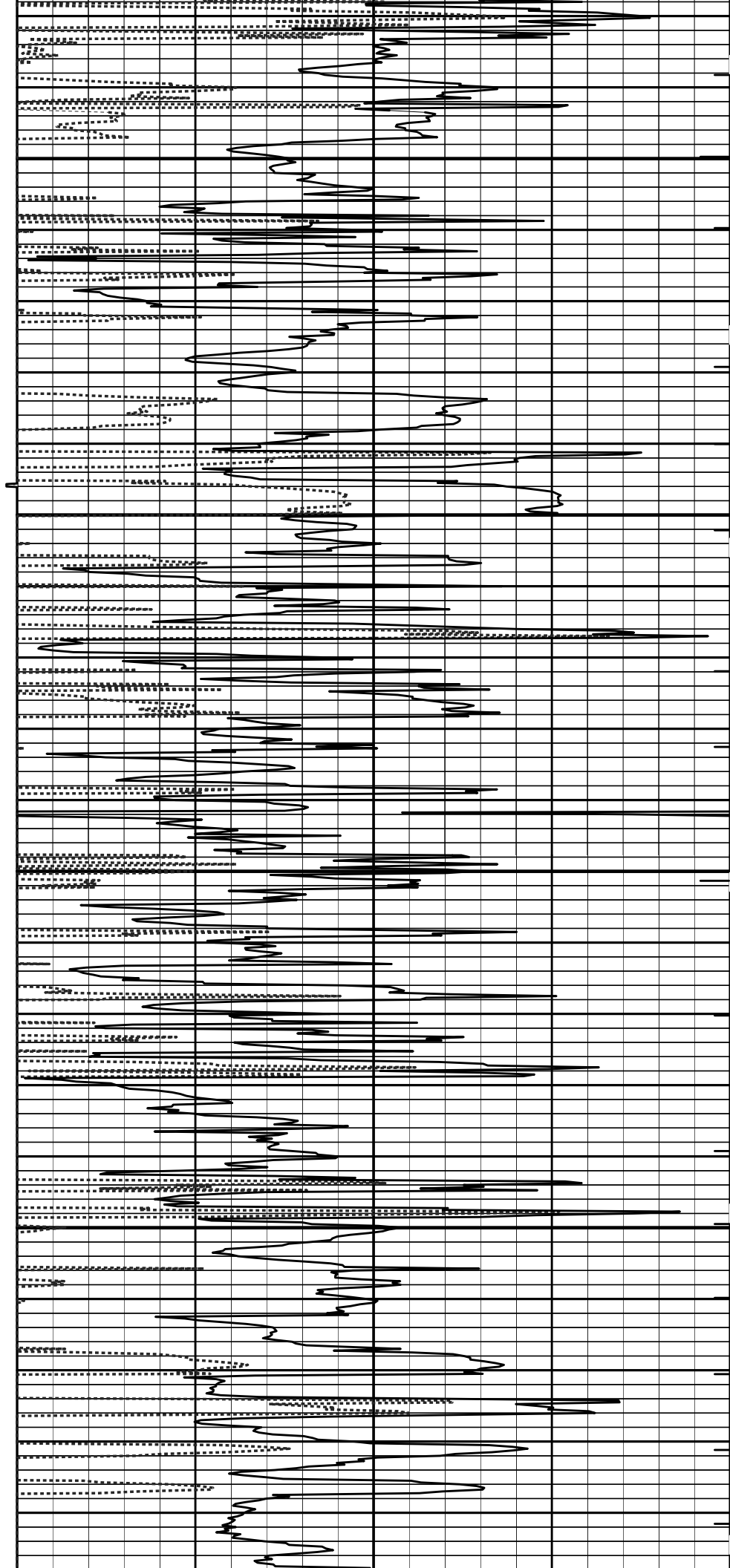
Service Ticket No.: 901175581						API Serial No.: 15-175-22213-00-00						PGM Version: WL INSITE R4.2.0 (Build 2)											
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE												RESISTIVITY SCALE CHANGES											
Date		Sample No.										Type Log		Depth		Scale Up Hole		Scale Down Hole					
Depth-Driller																							
Type Fluid in Hole																							
Density		Viscosity																					
Ph		Fluid Loss																					
Source of Sample												RESISTIVITY EQUIPMENT DATA											
Rm @ Meas. Temp				@				@				Run No.		Tool Type & No.		Pad Type		Tool Pos.		Other			
Rmf @ Meas. Temp.				@				@				ONE		ACRT		N/A		1.5" S.O.					
Rmc @ Meas. Temp.				@				@						11038385									
Source Rmf		Rmc																					
Rm @ BHT				@				@															
Rmf @ BHT				@				@															
Rmc @ BHT				@				@															
EQUIPMENT DATA																							
GAMMA						ACOUSTIC						DENSITY						NEUTRON					
Run No.		ONE				Run No.		ONE				Run No.		ONE				Run No.		ONE			
Serial No.		11048627				Serial No.		10747683				Serial No.		10848781				Serial No.		11019643			
Model No.		GTET				Model No.		BSAT				Model No.		SDLT				Model No.		DSNT			
Diameter		3.625"				No. of Cent.		2				Diameter		5.3"				Diameter		3.625"			
Detector Model No.		T-102				Spacing		.5				Log Type		GAM-GAM				Log Type		NEU-NEU			

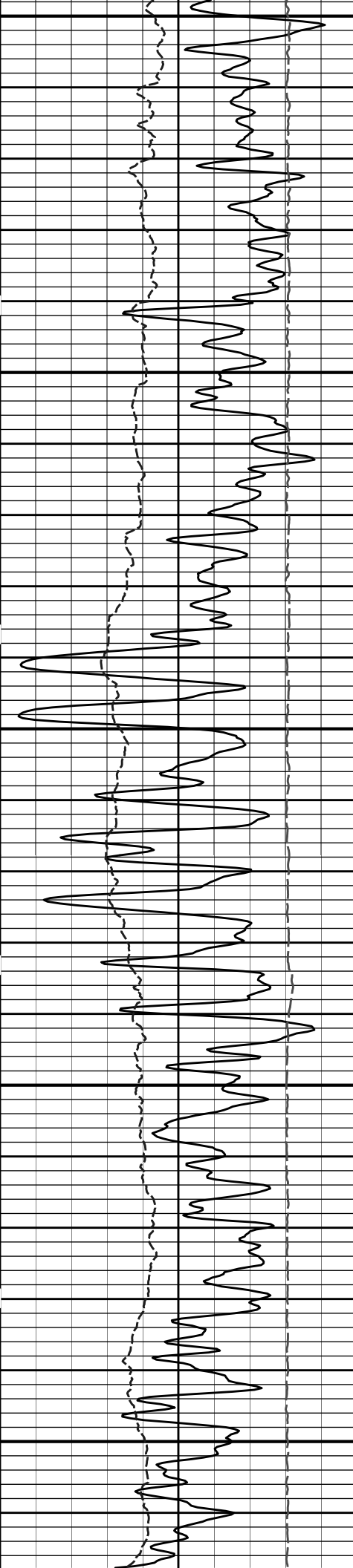




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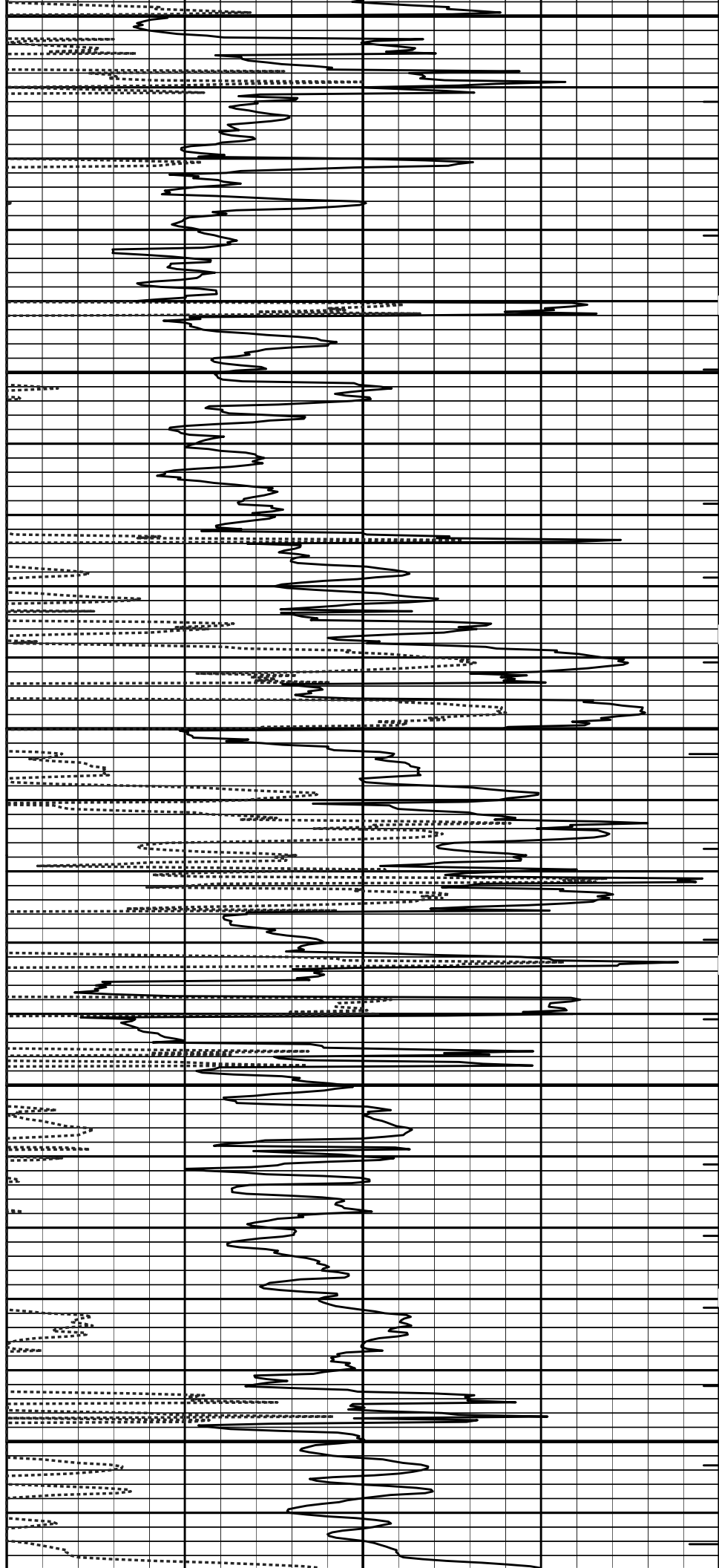
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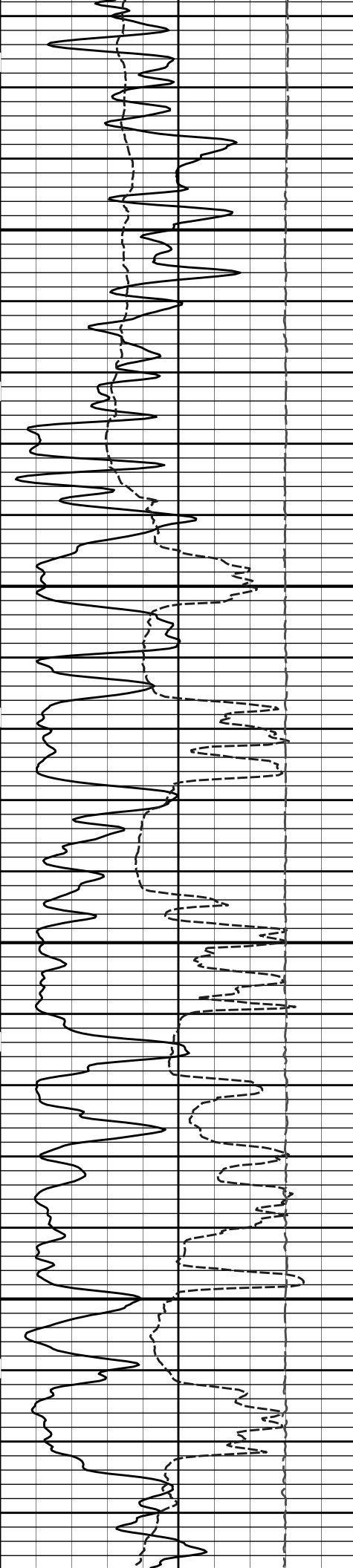




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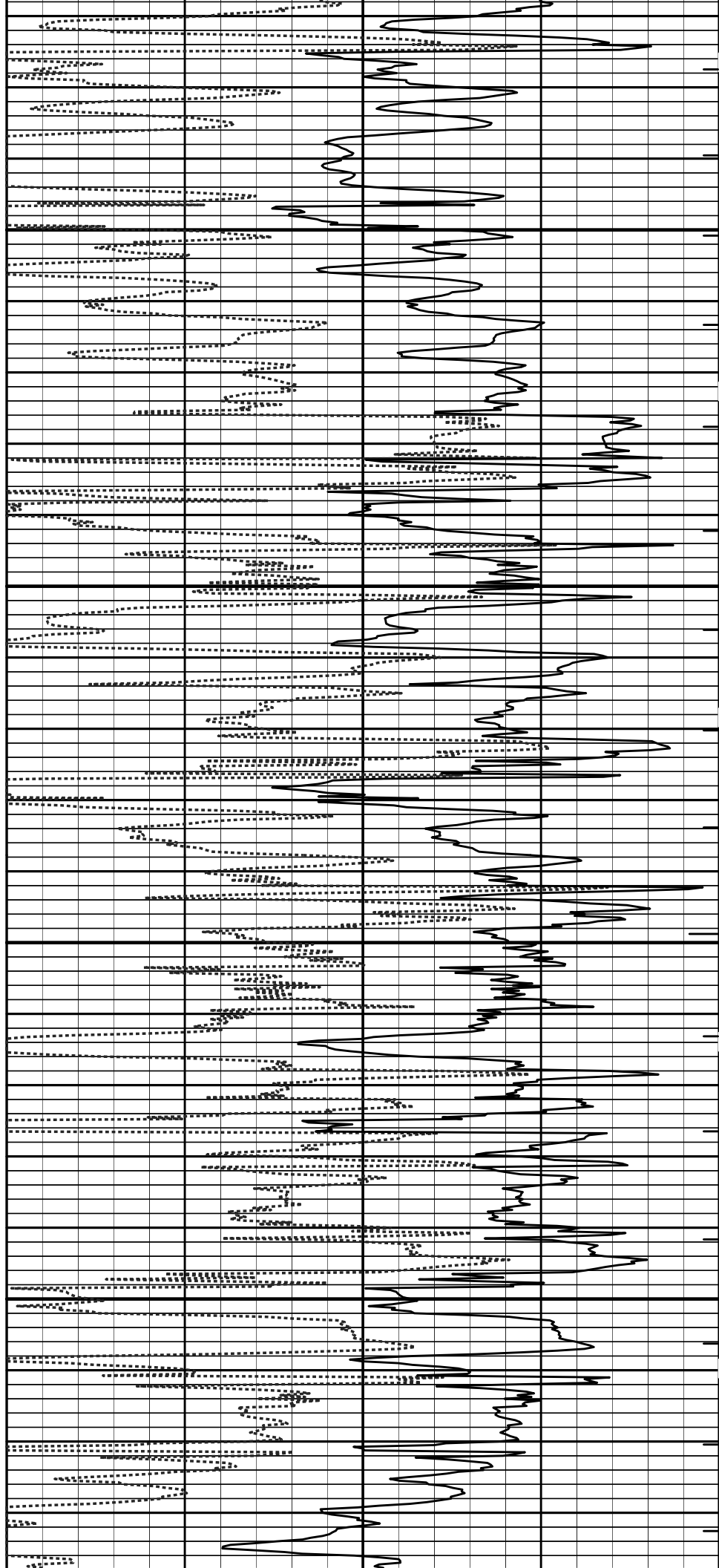
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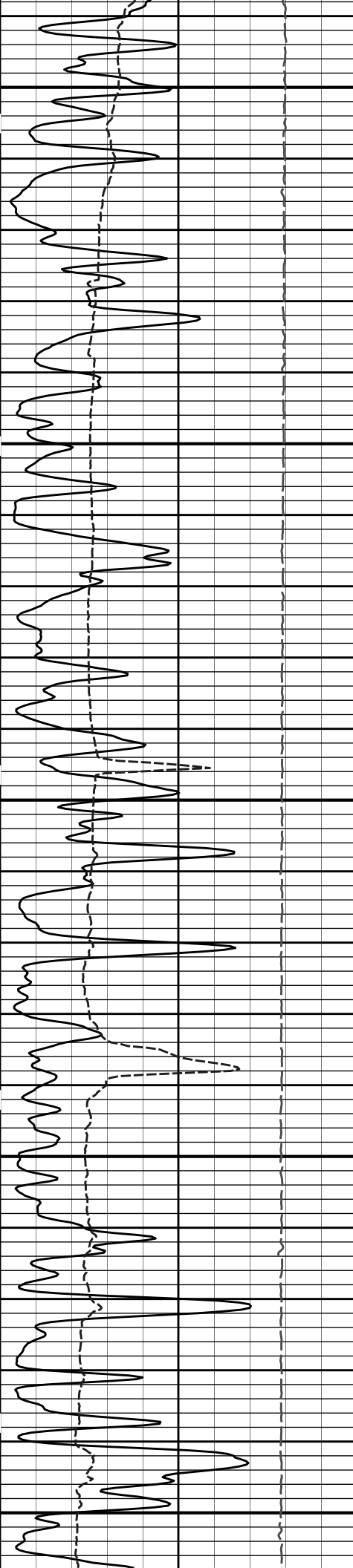




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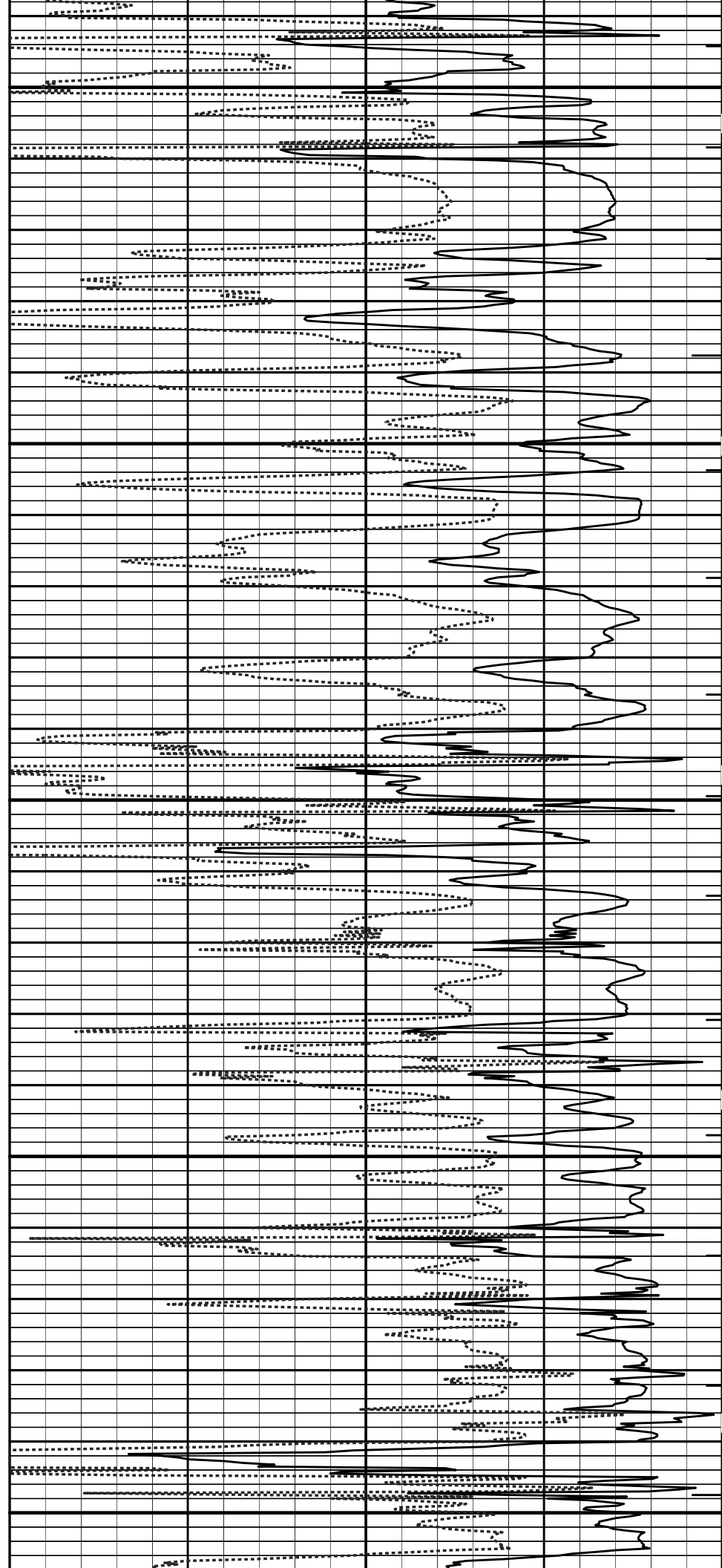


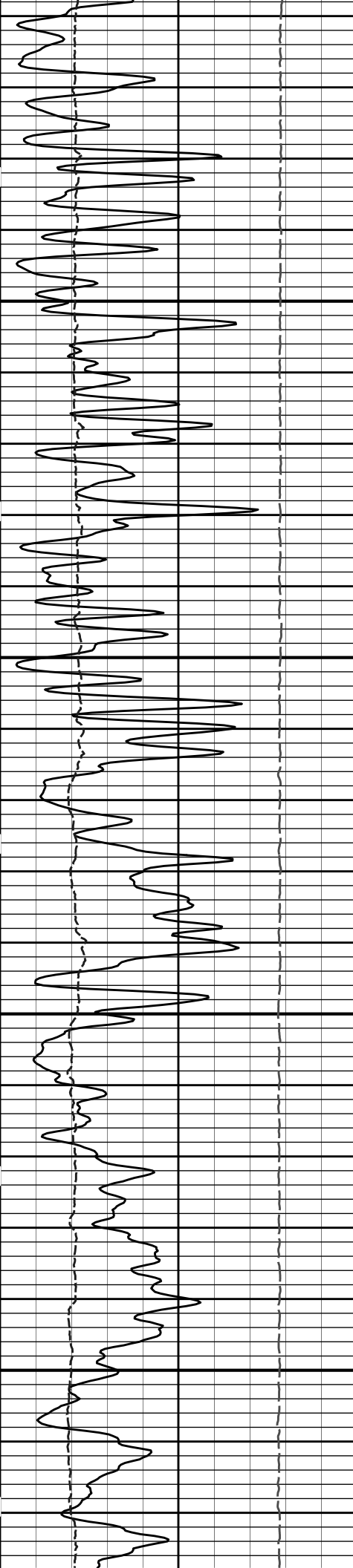


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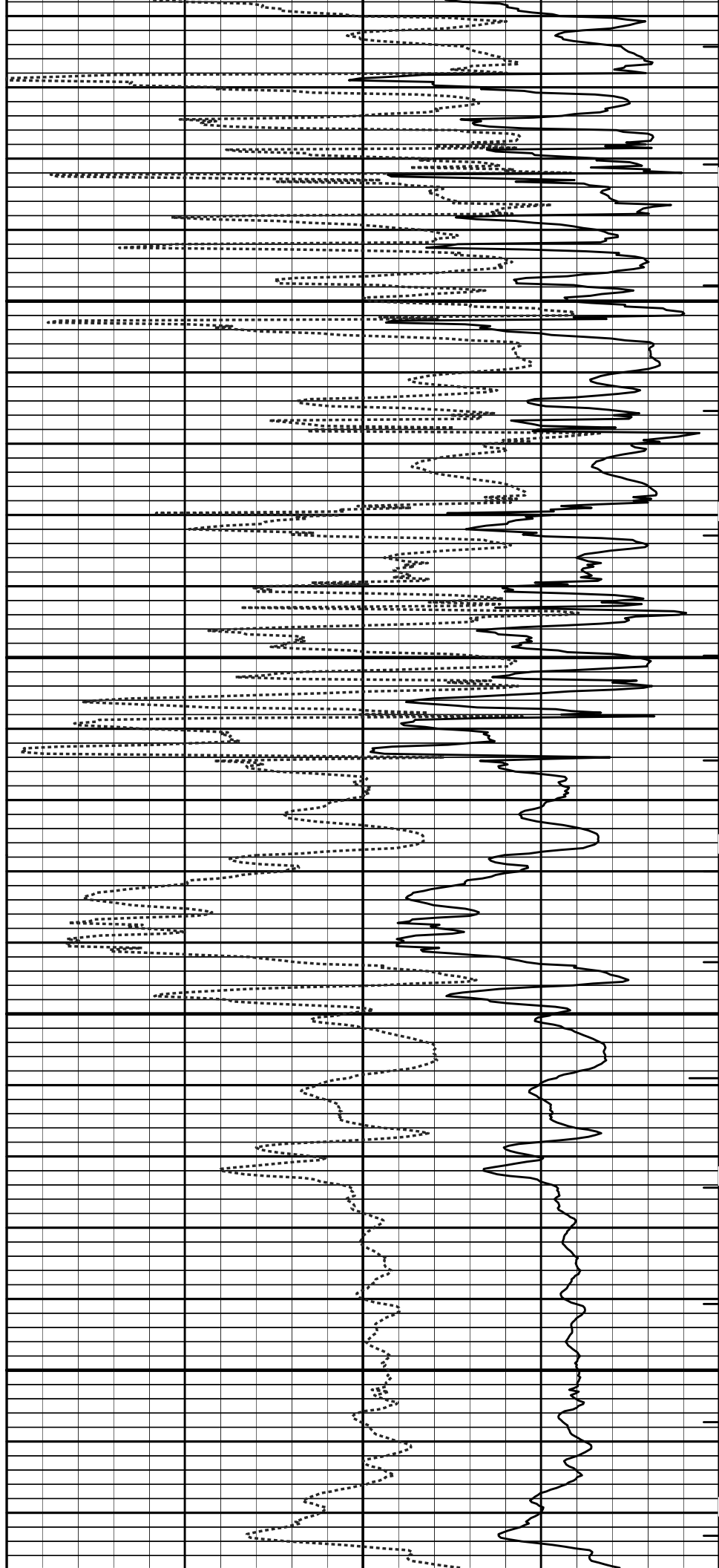
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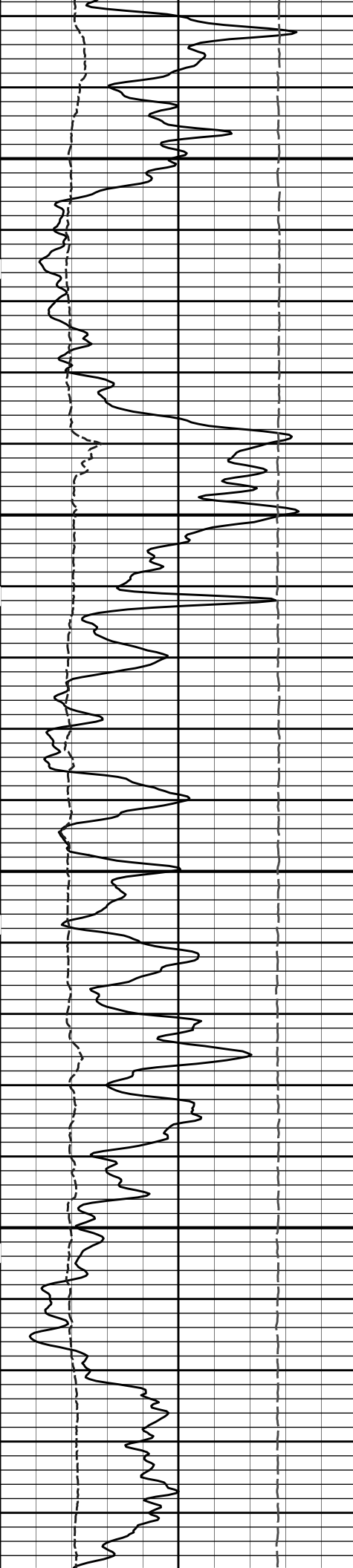




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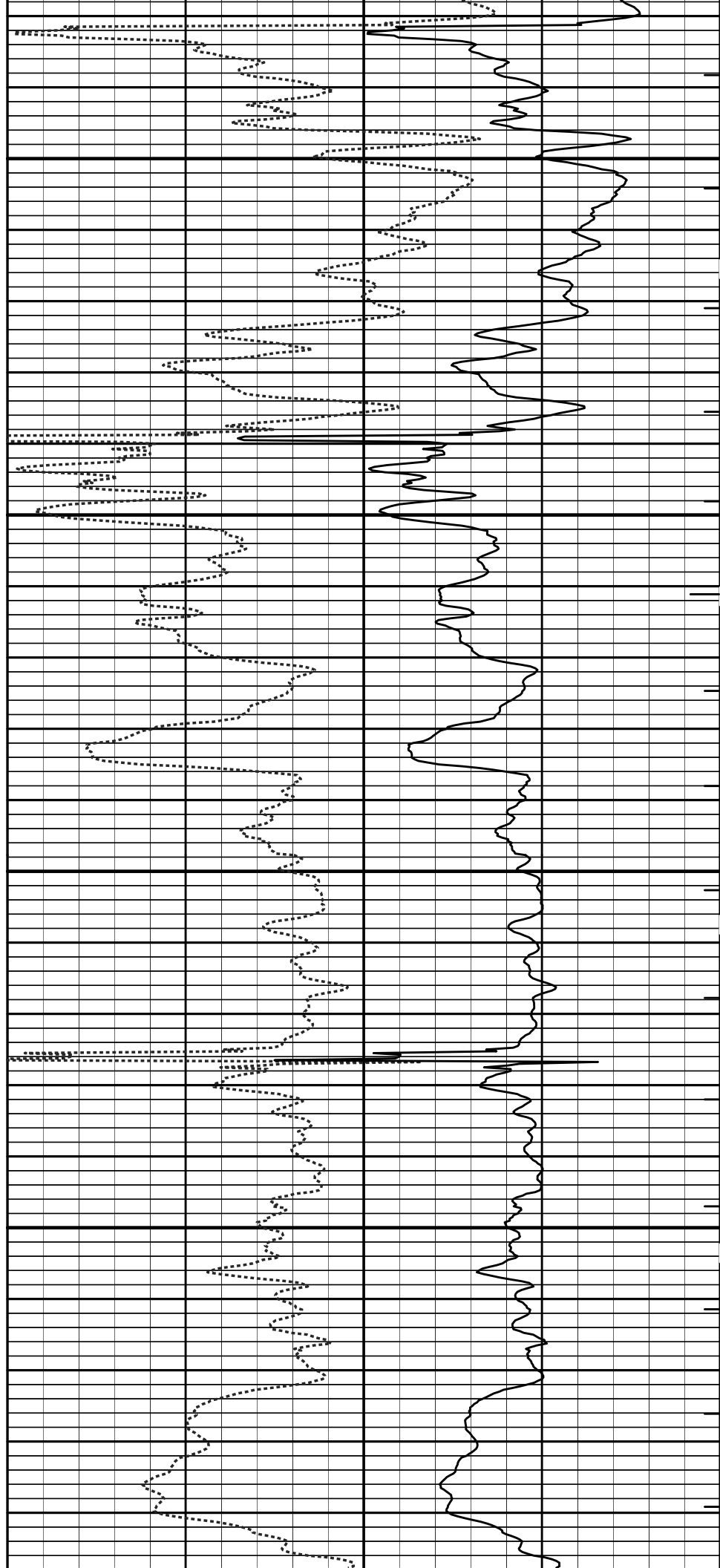
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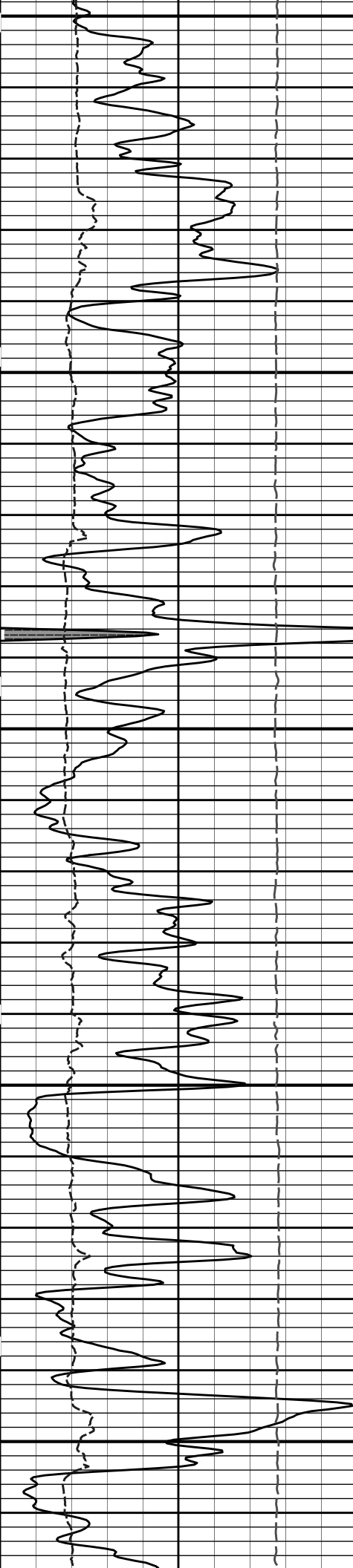




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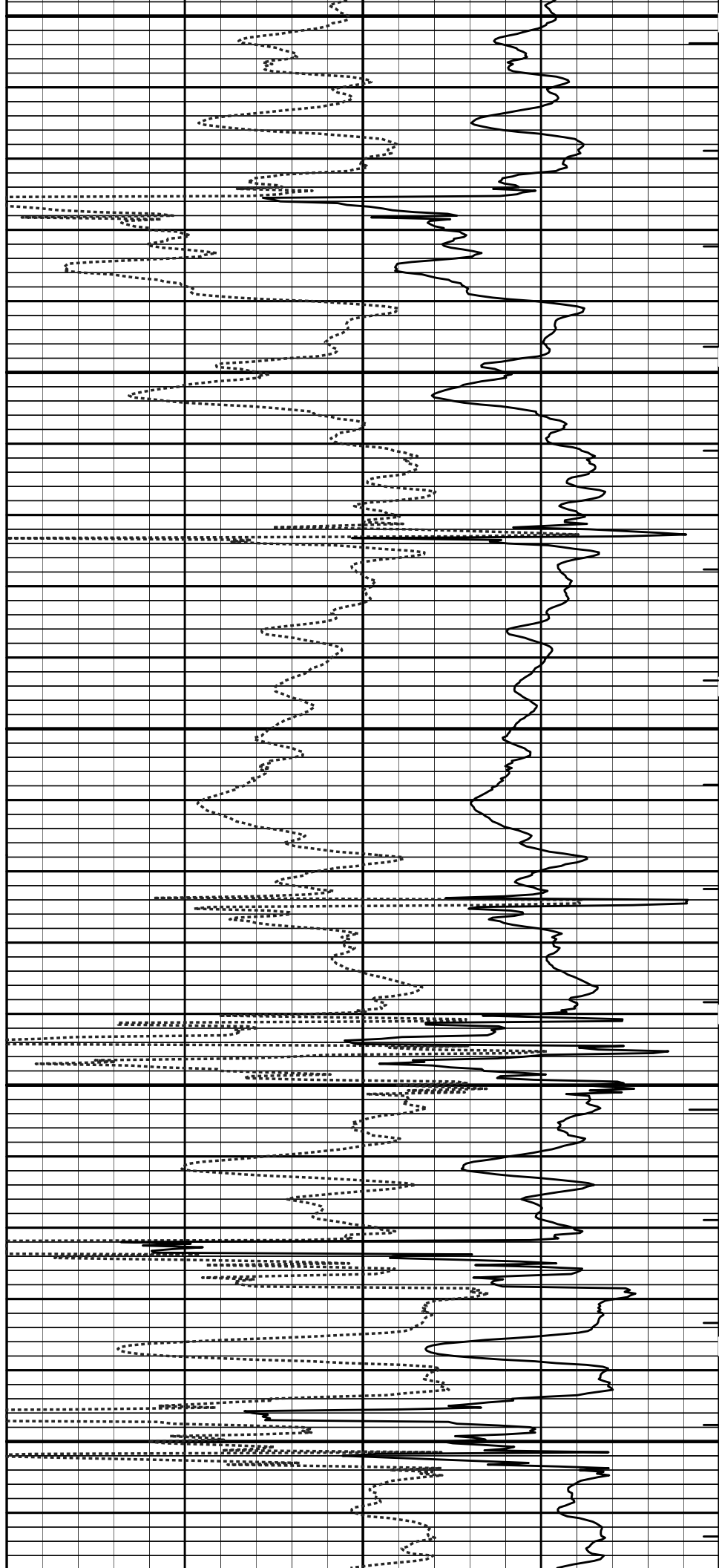
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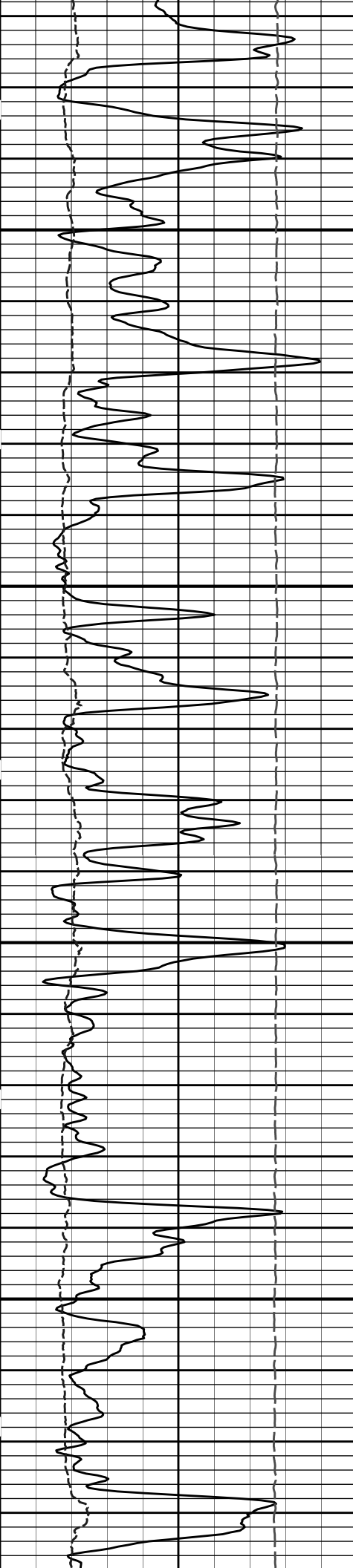




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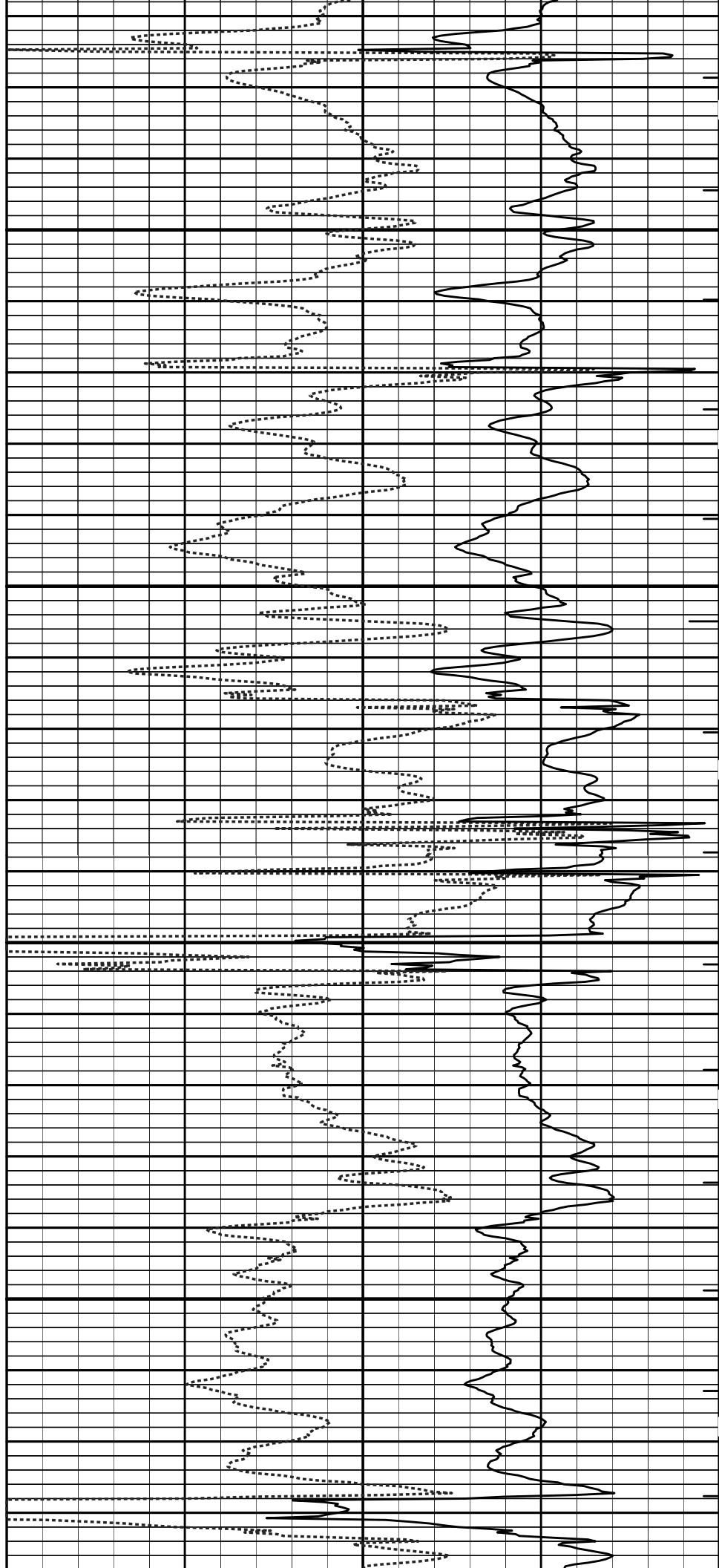
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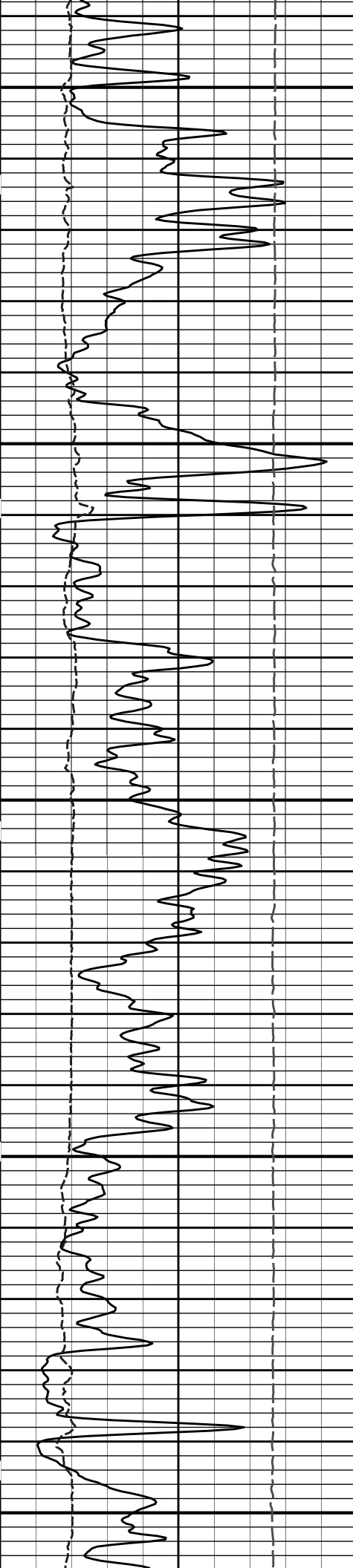




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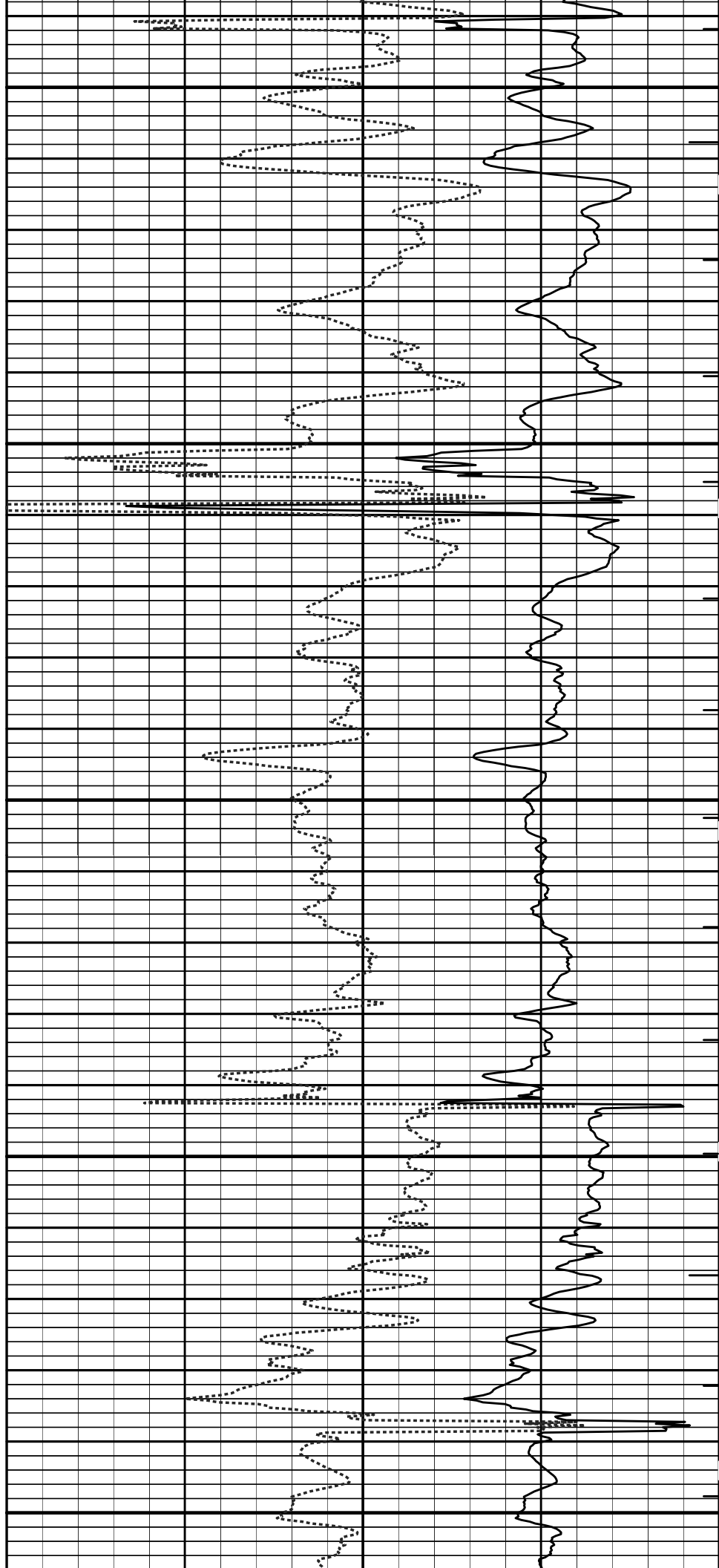


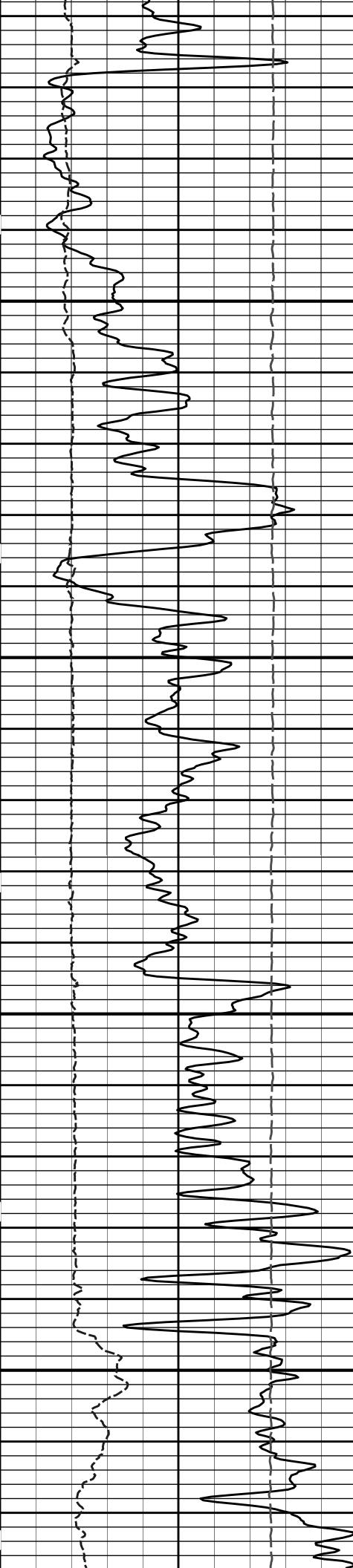


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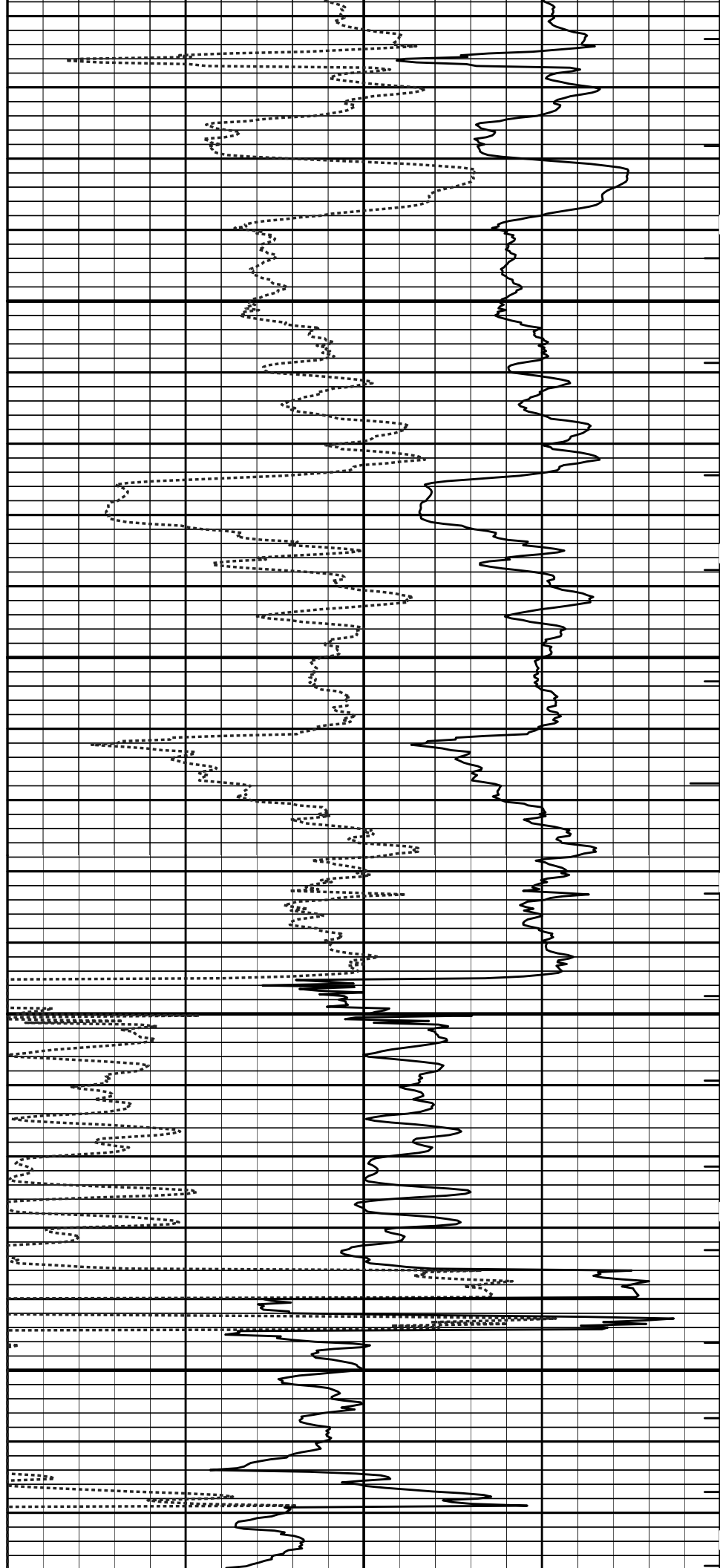
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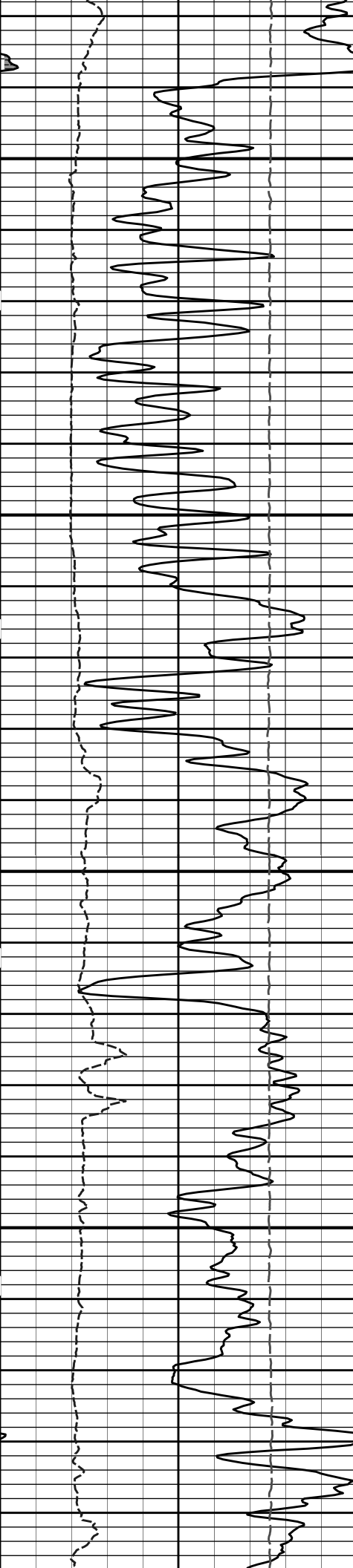




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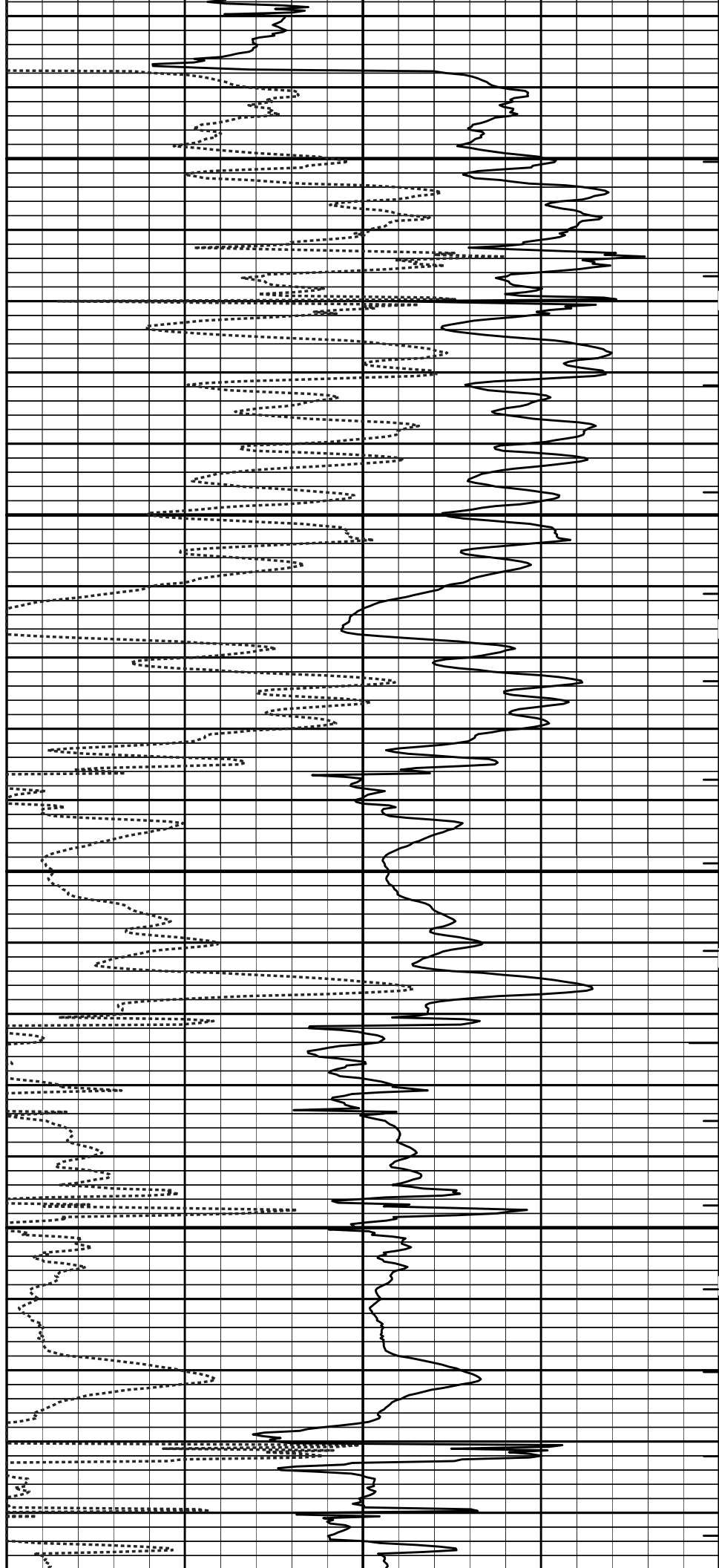
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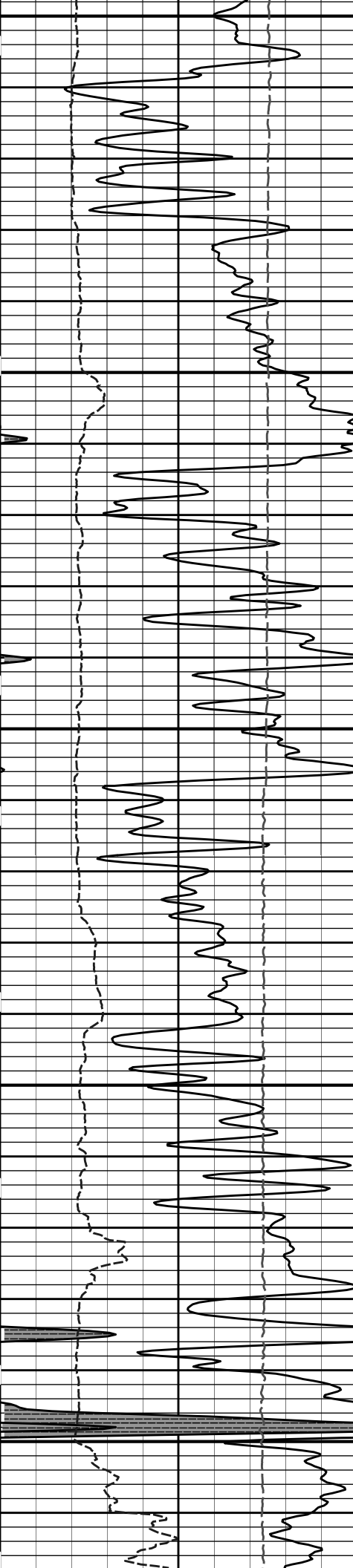




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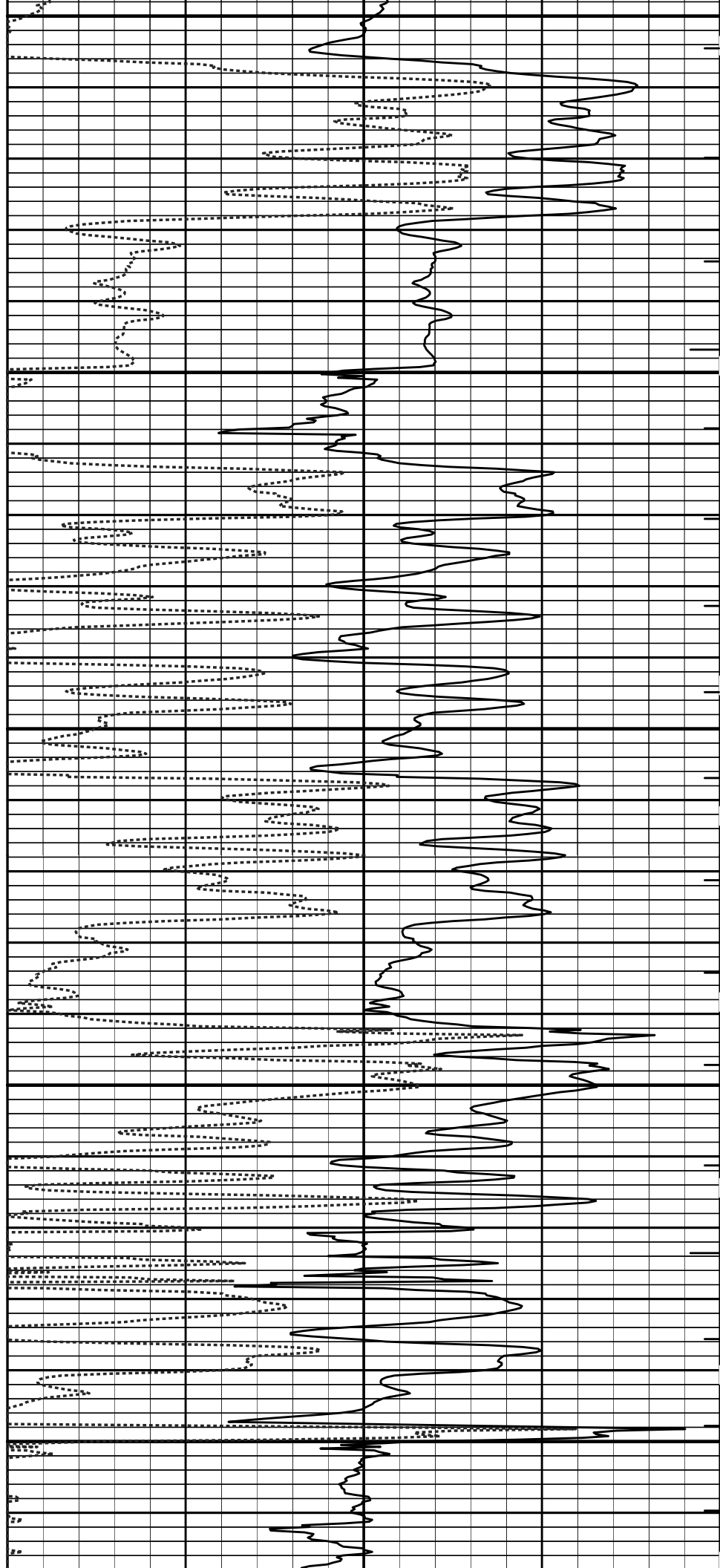
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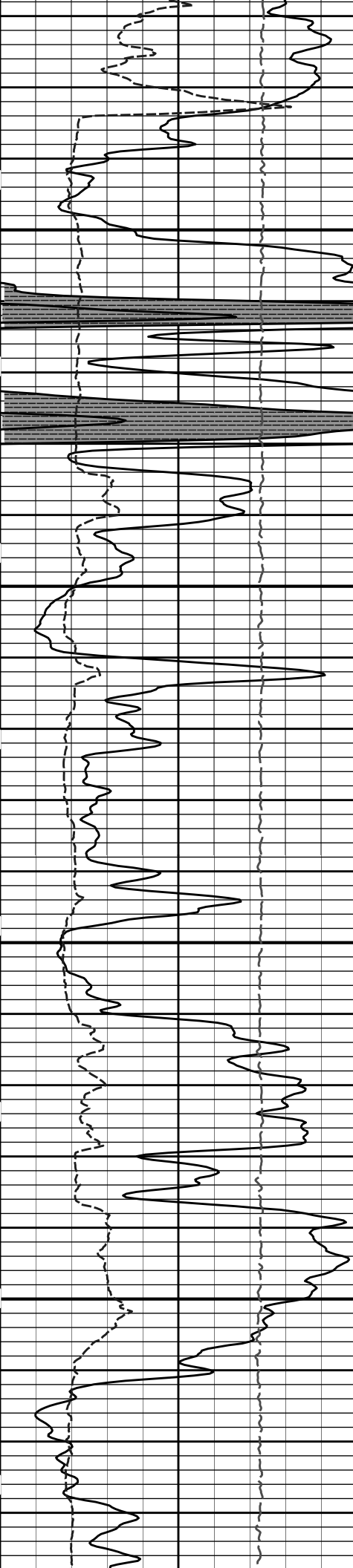




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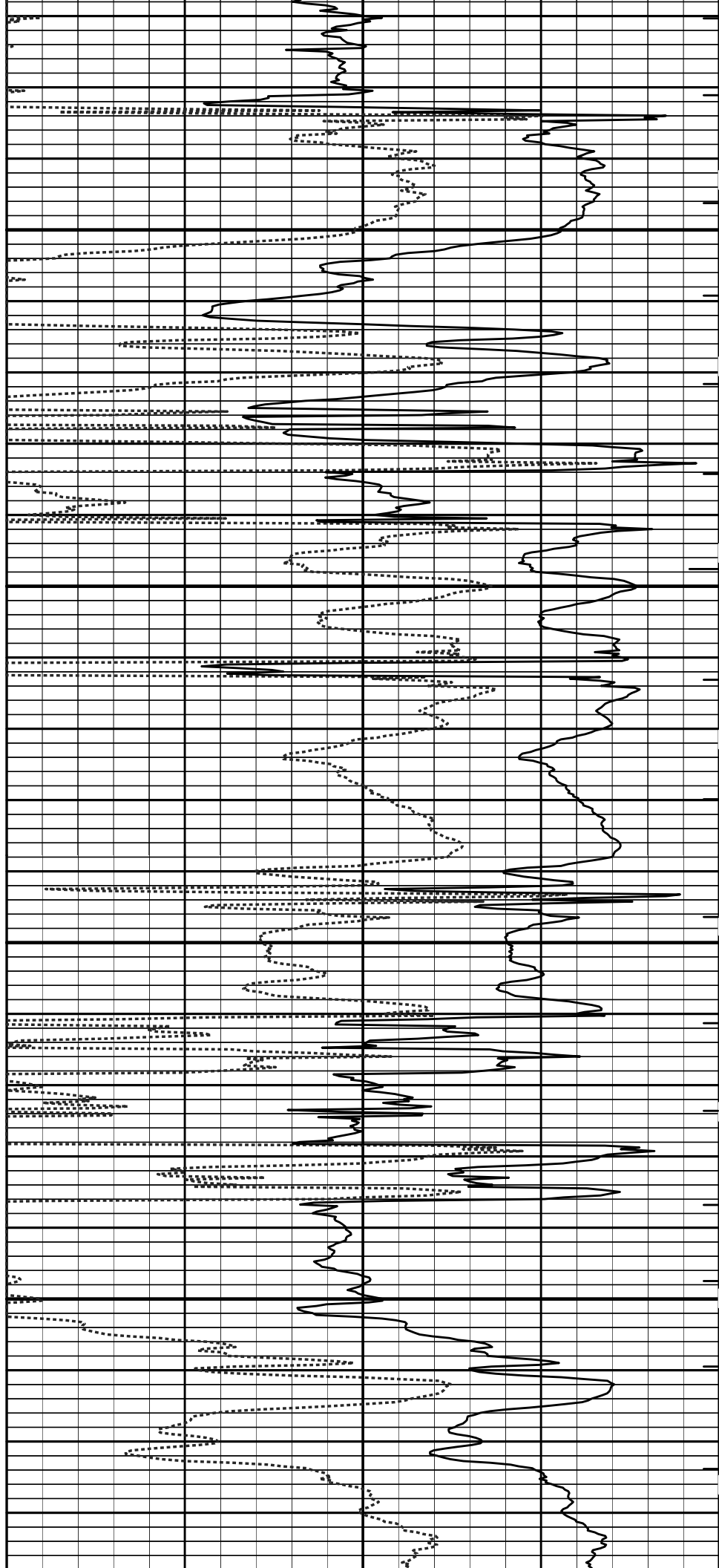
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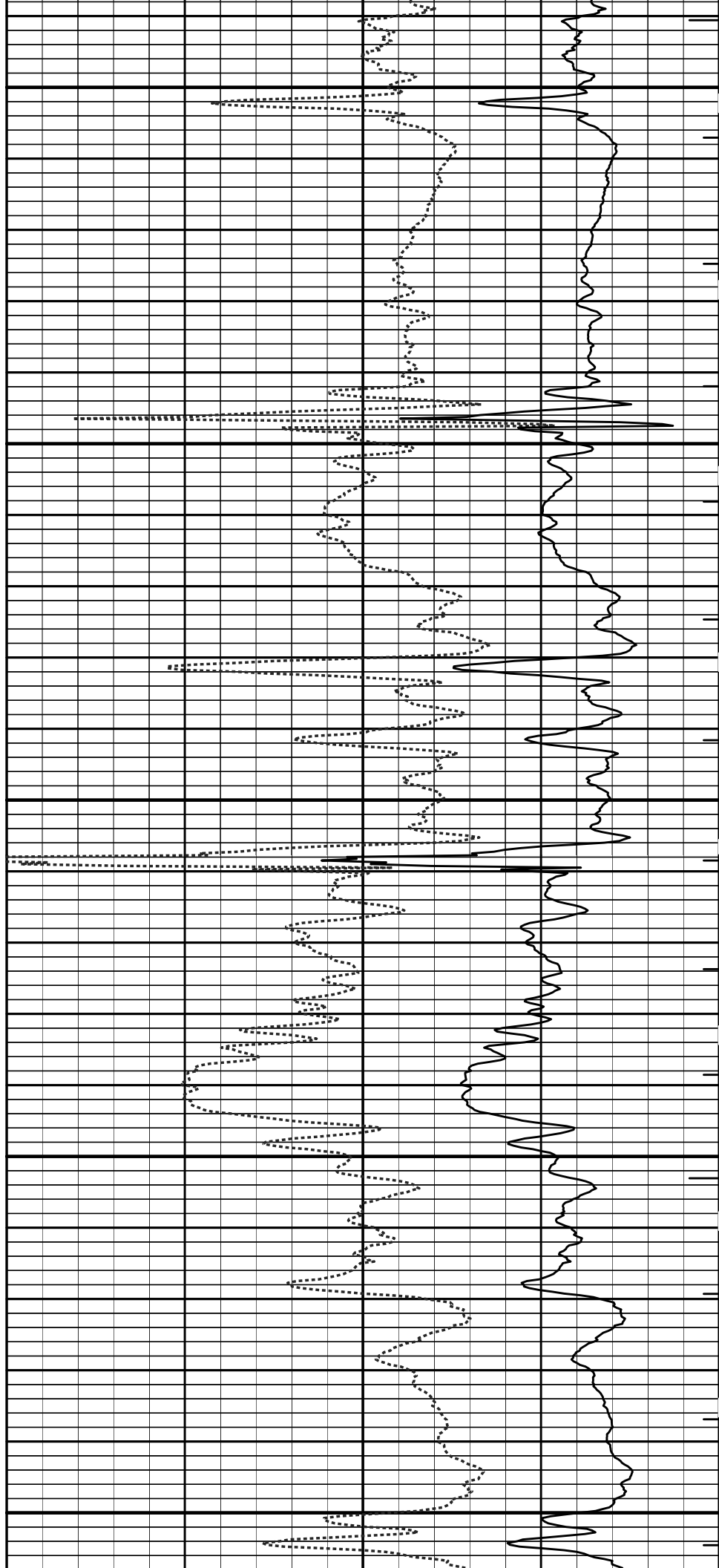




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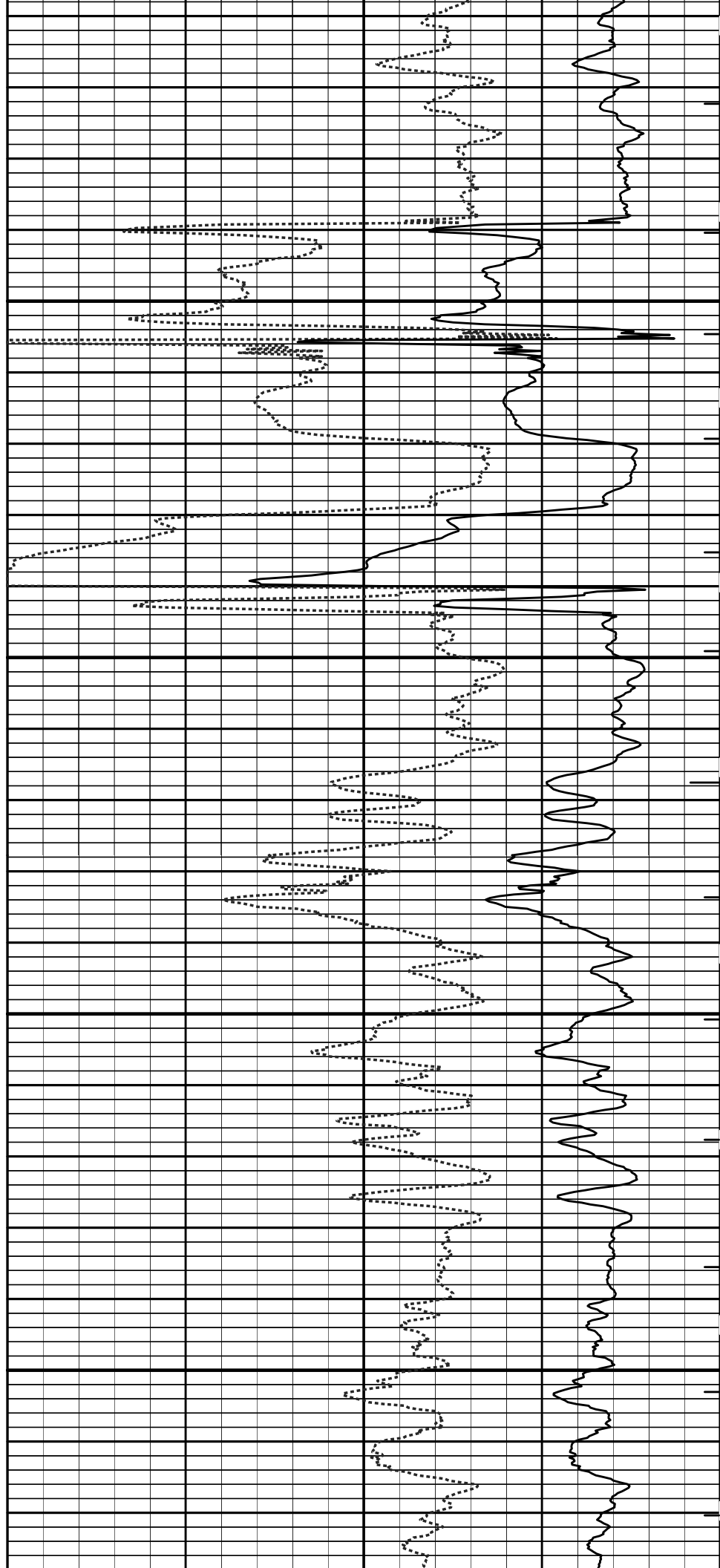
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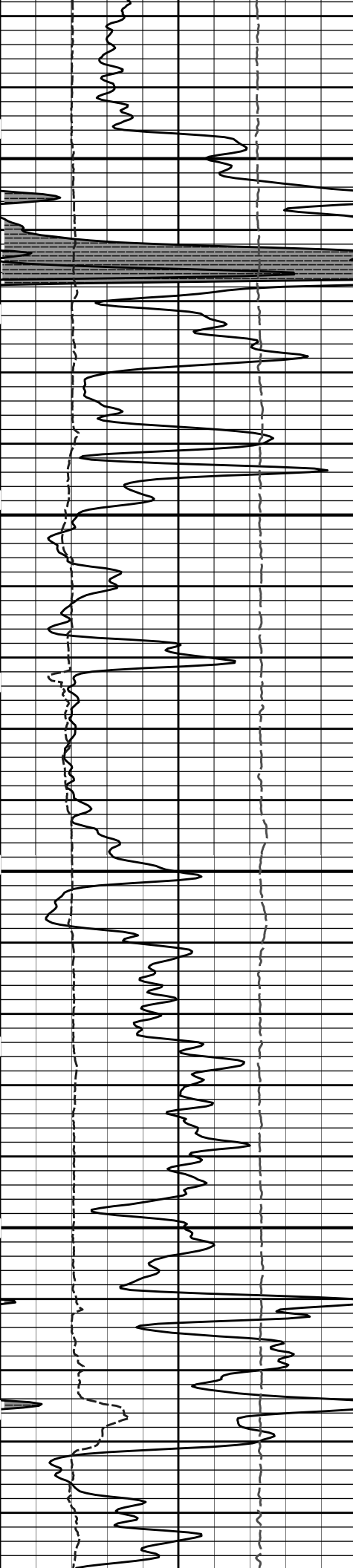




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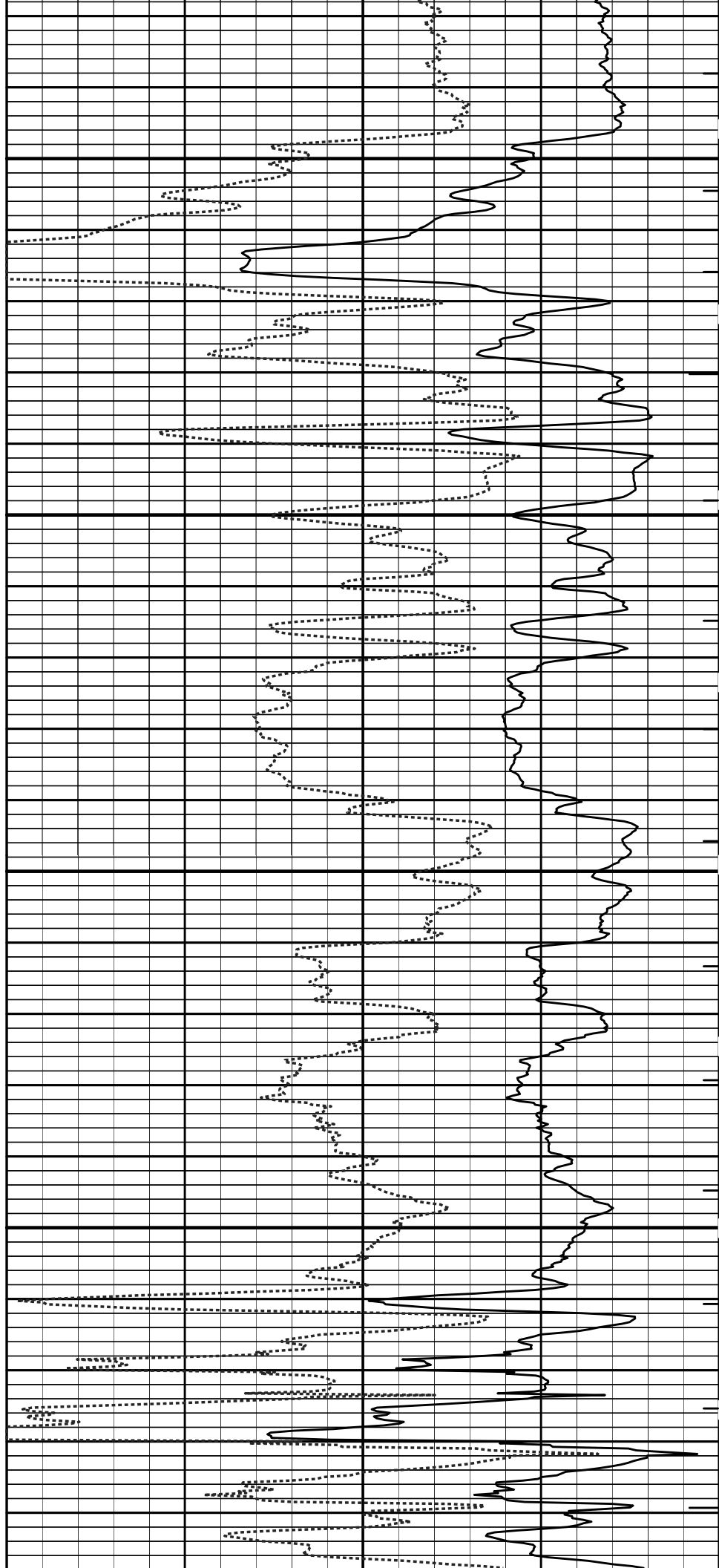
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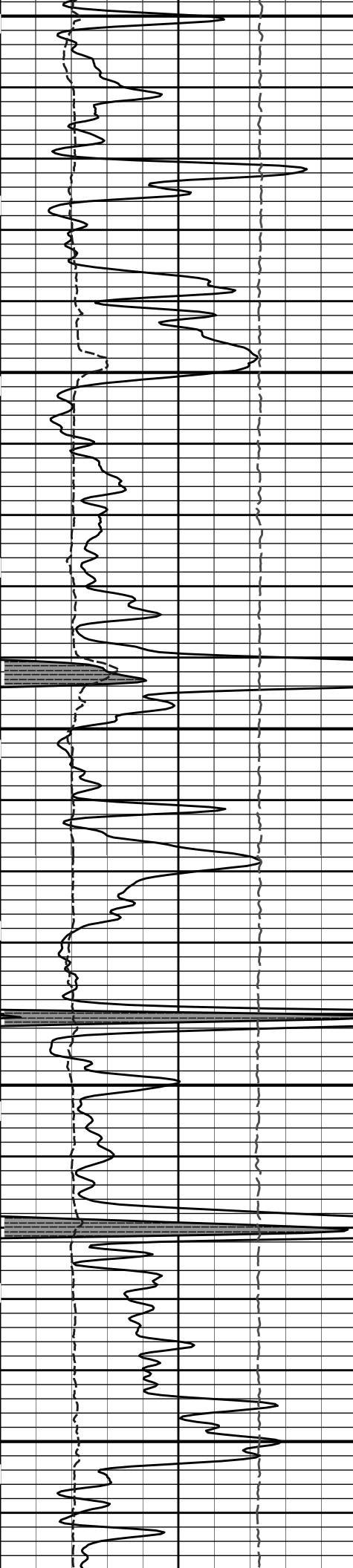




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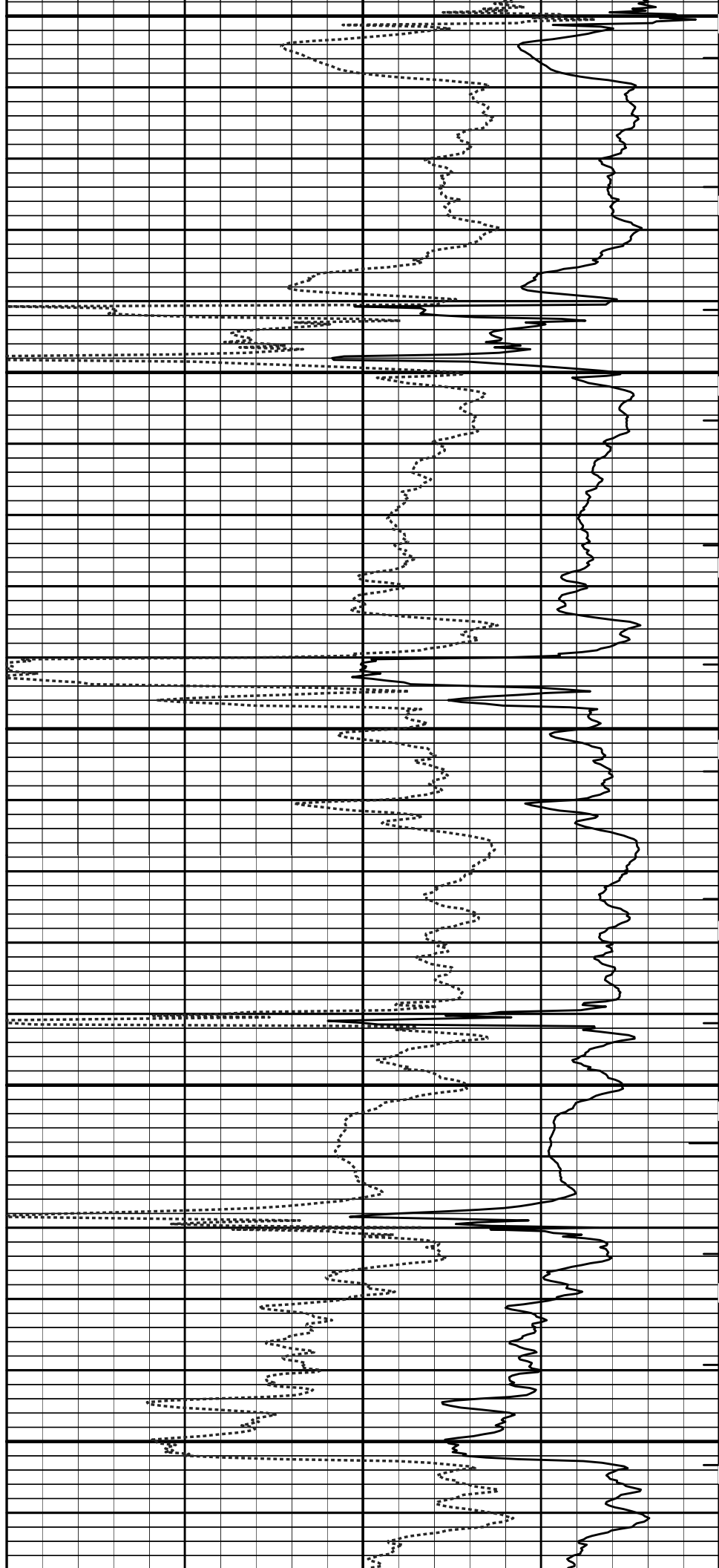
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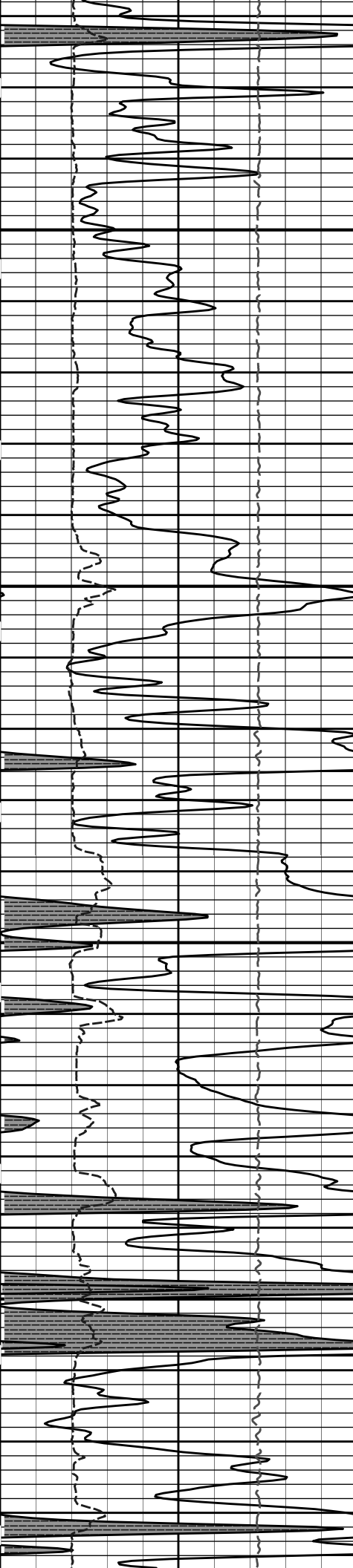




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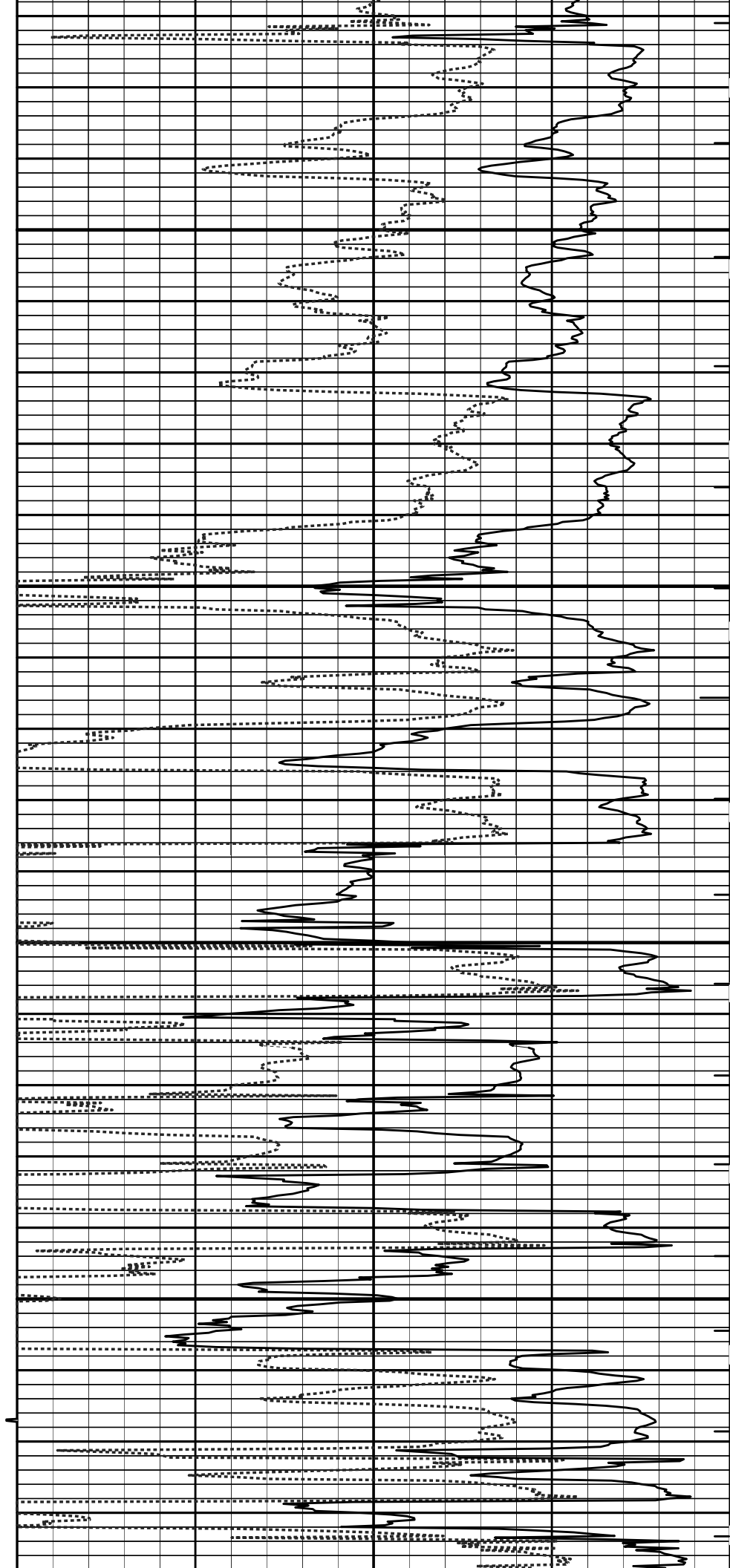
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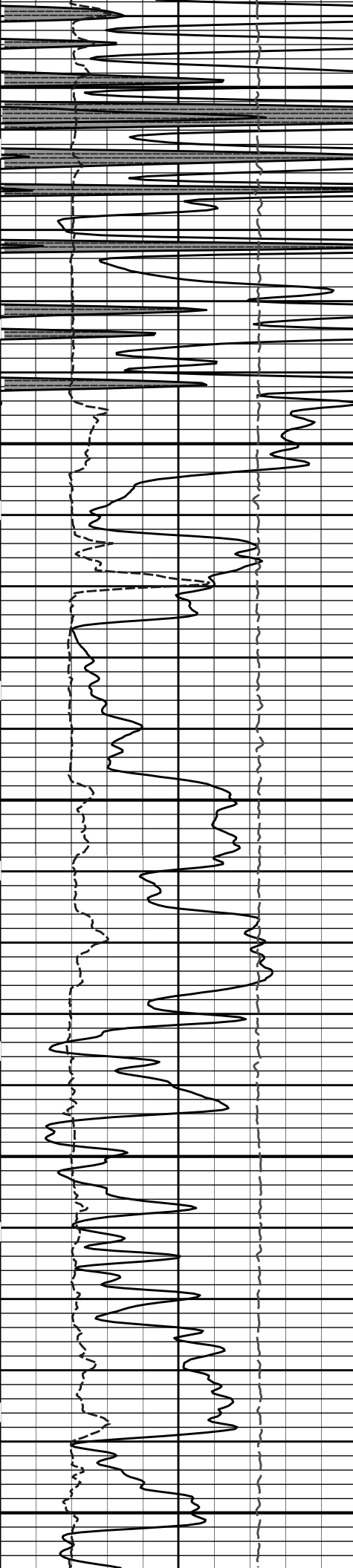




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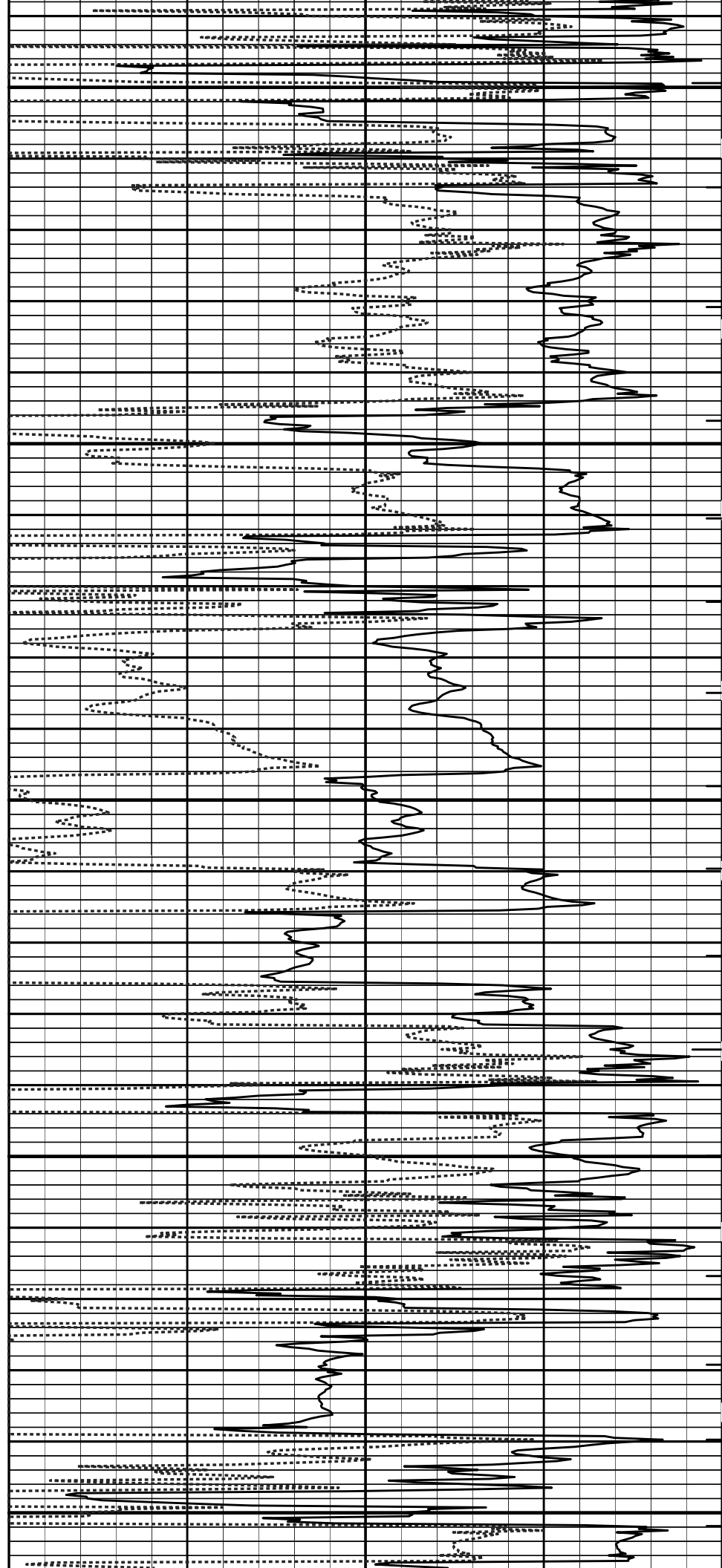


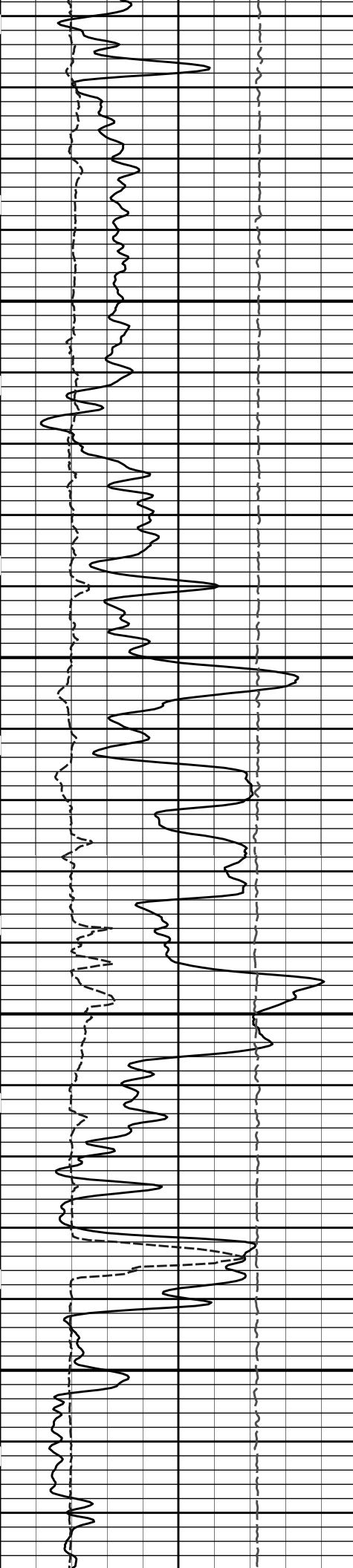


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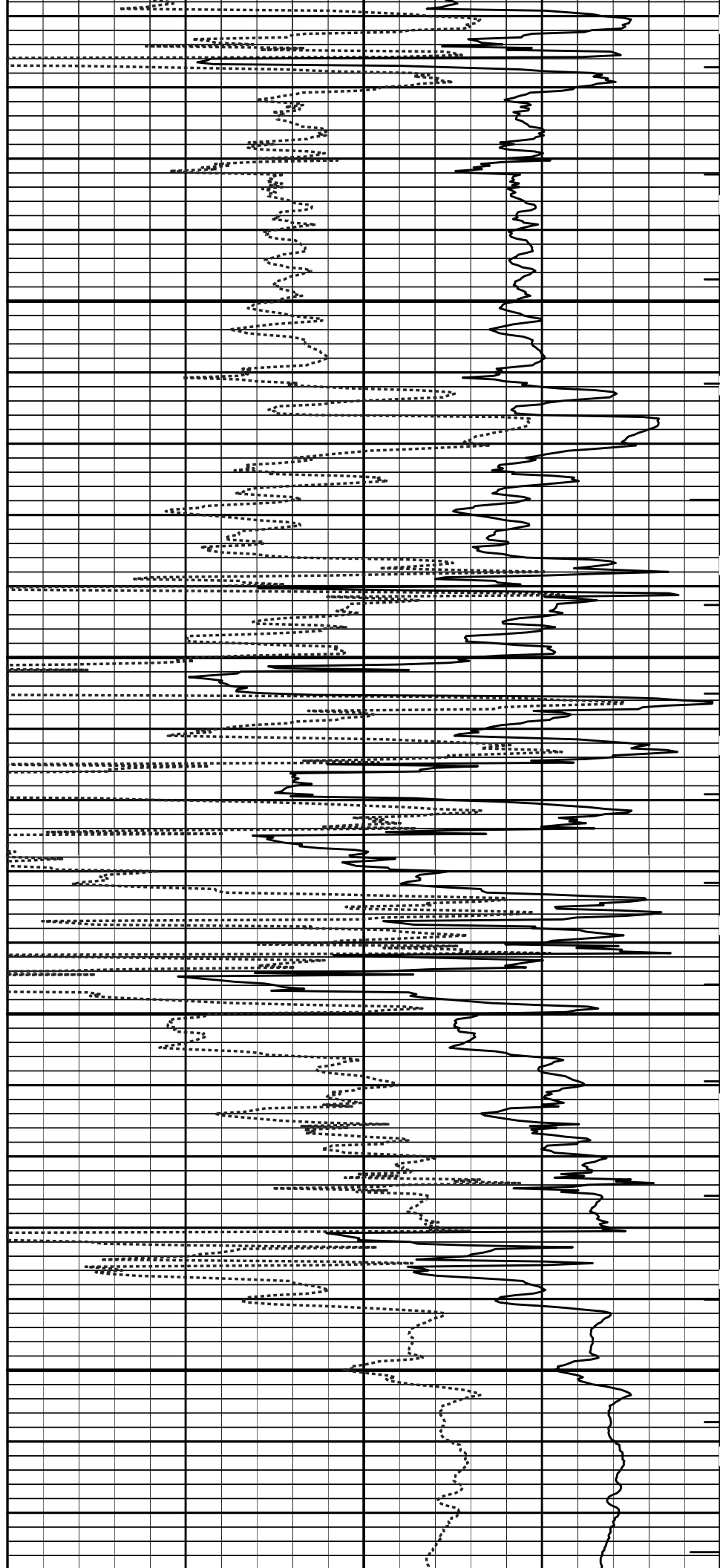
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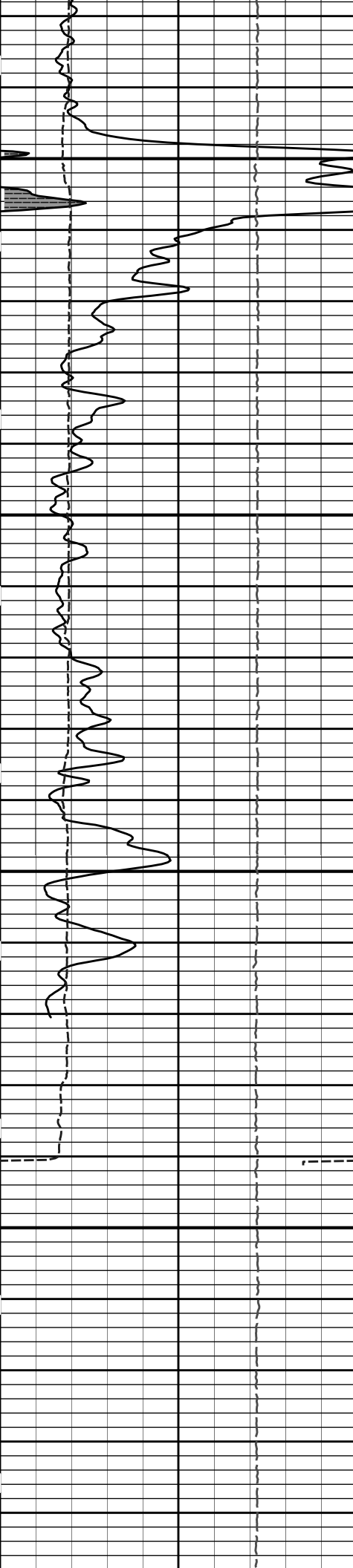




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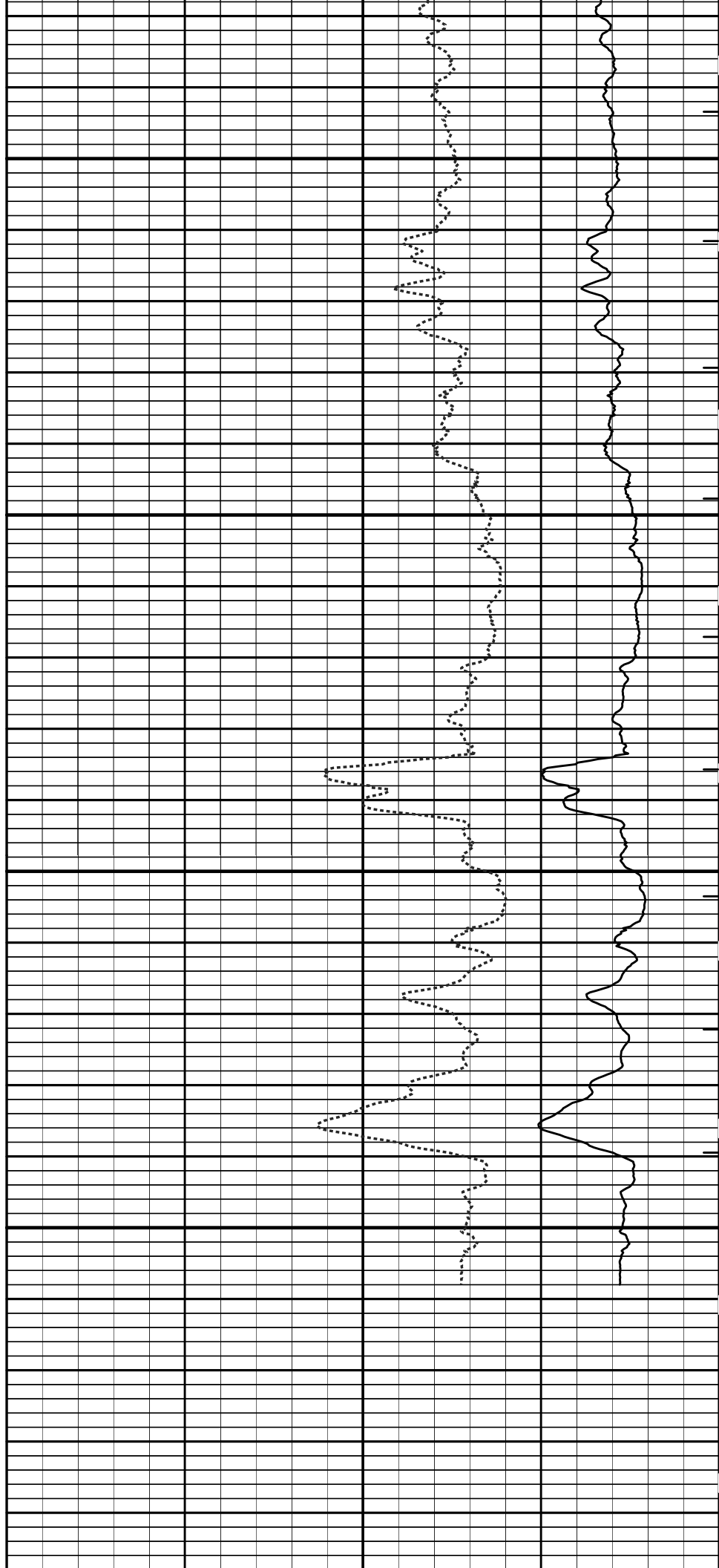
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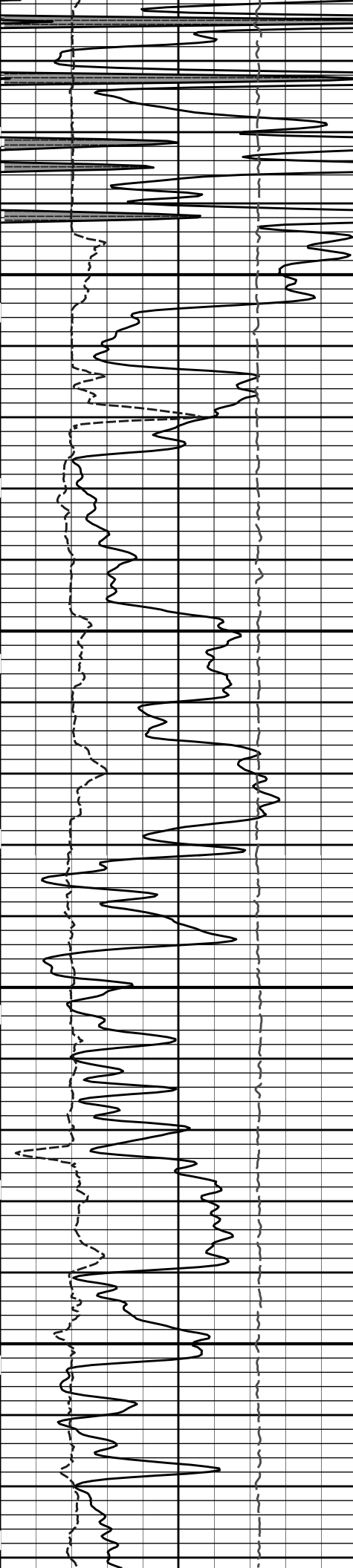




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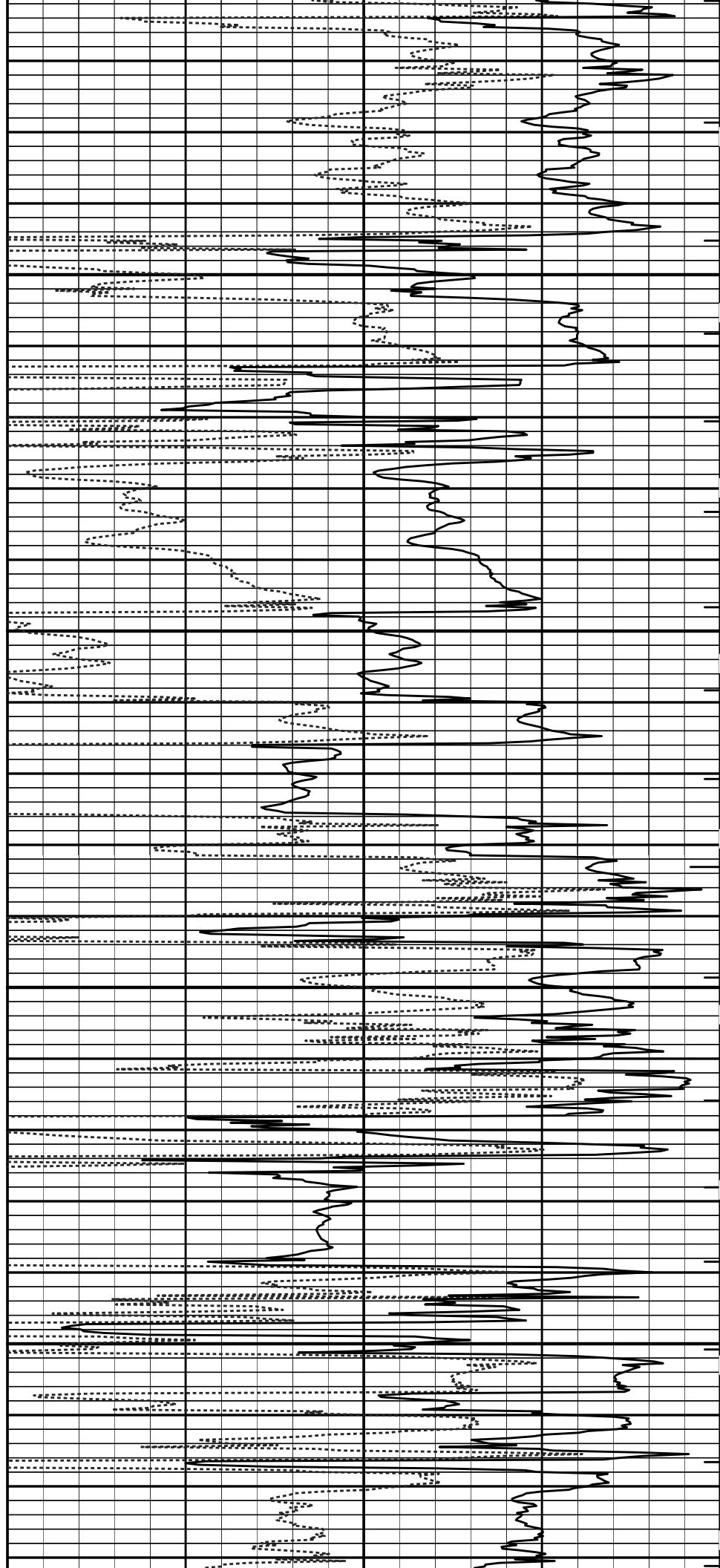
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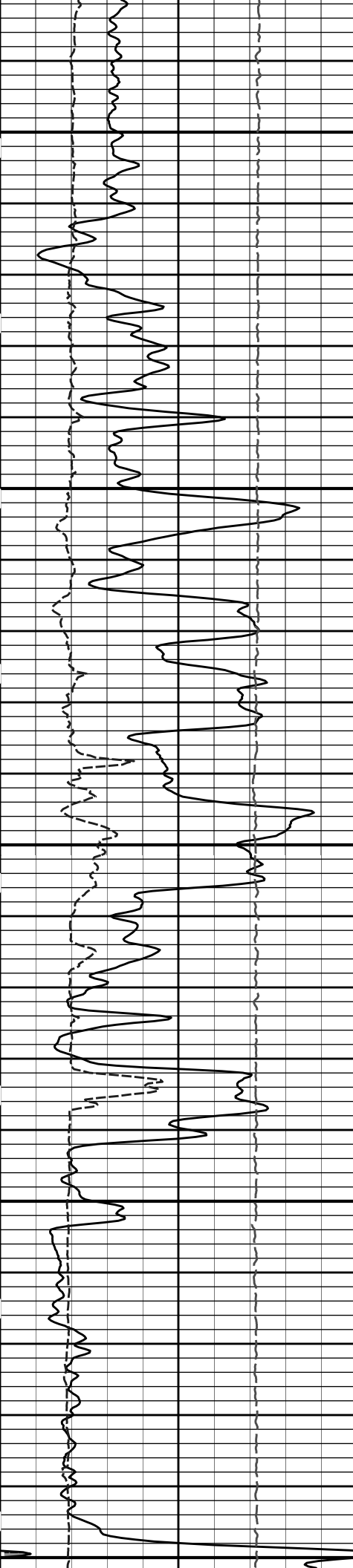




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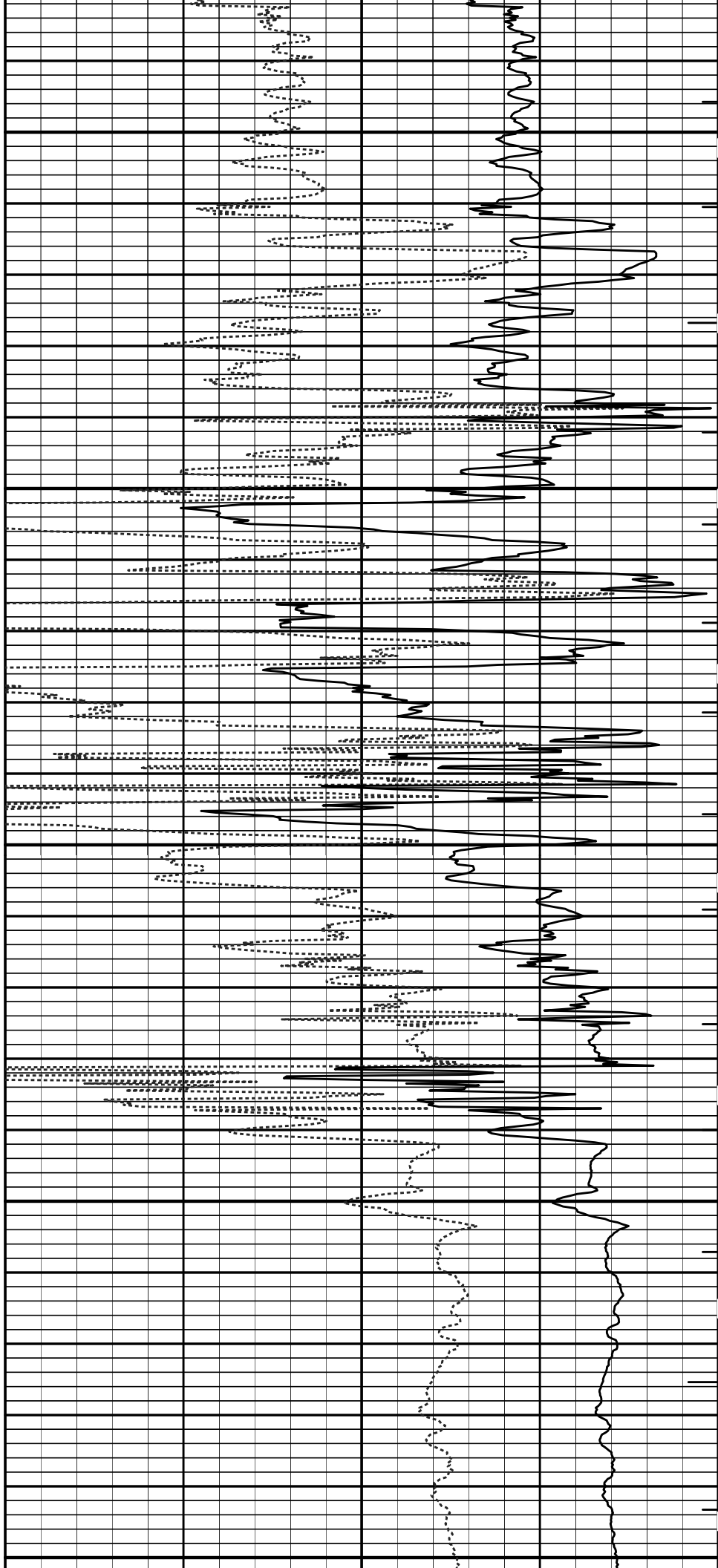
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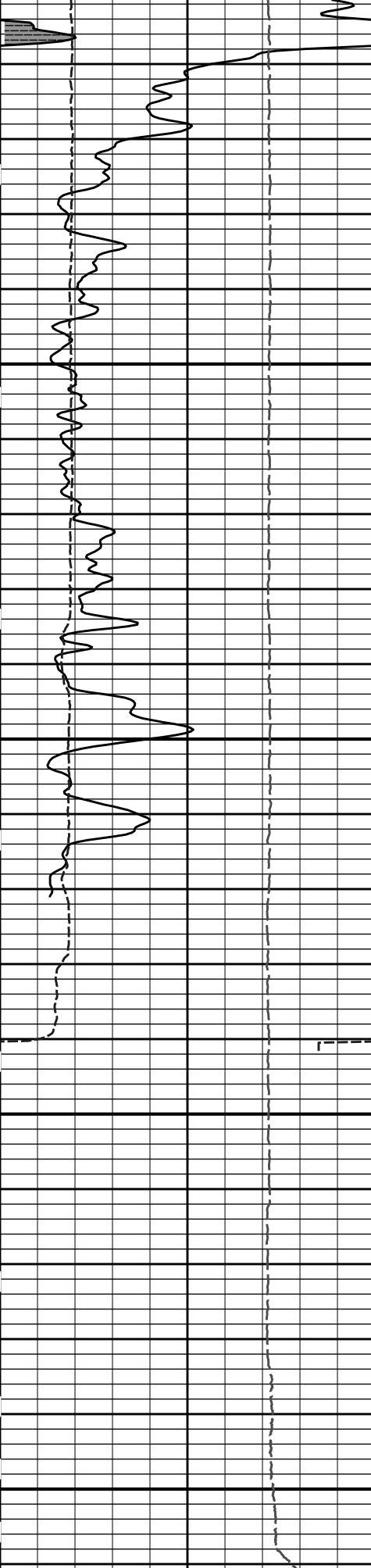




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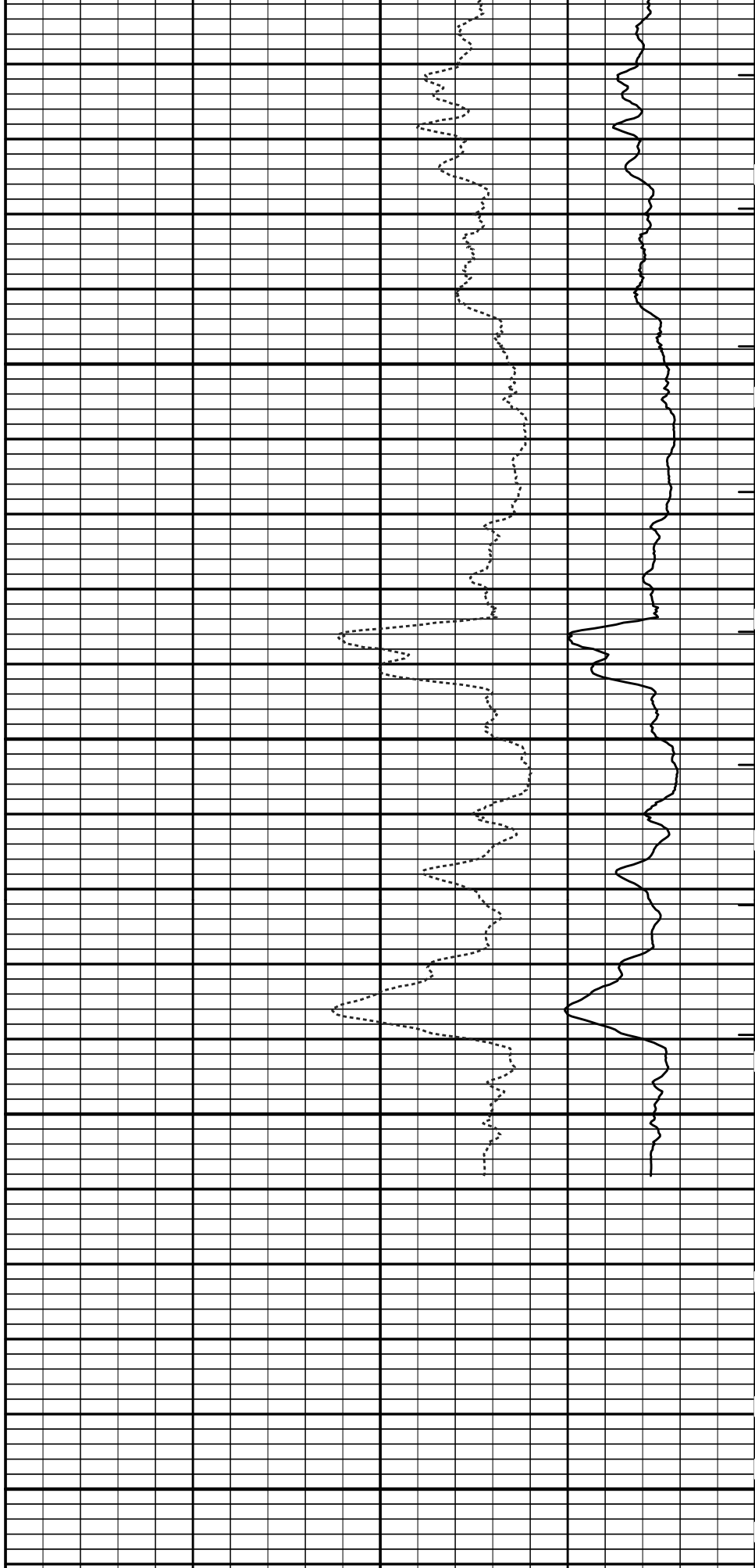
6000





6100

6200



15K
Tension
pounds
0

MD
1 : 240
ft

ITTT

6	Caliper	16	140	DT	40
	inches			microsec per ft	
0	Gamma API	150	30	Acou Porosity	-10
	api			percent	
	SHALE				

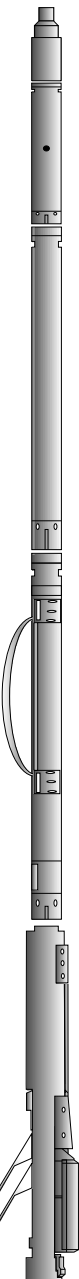
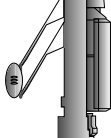
HALLIBURTON

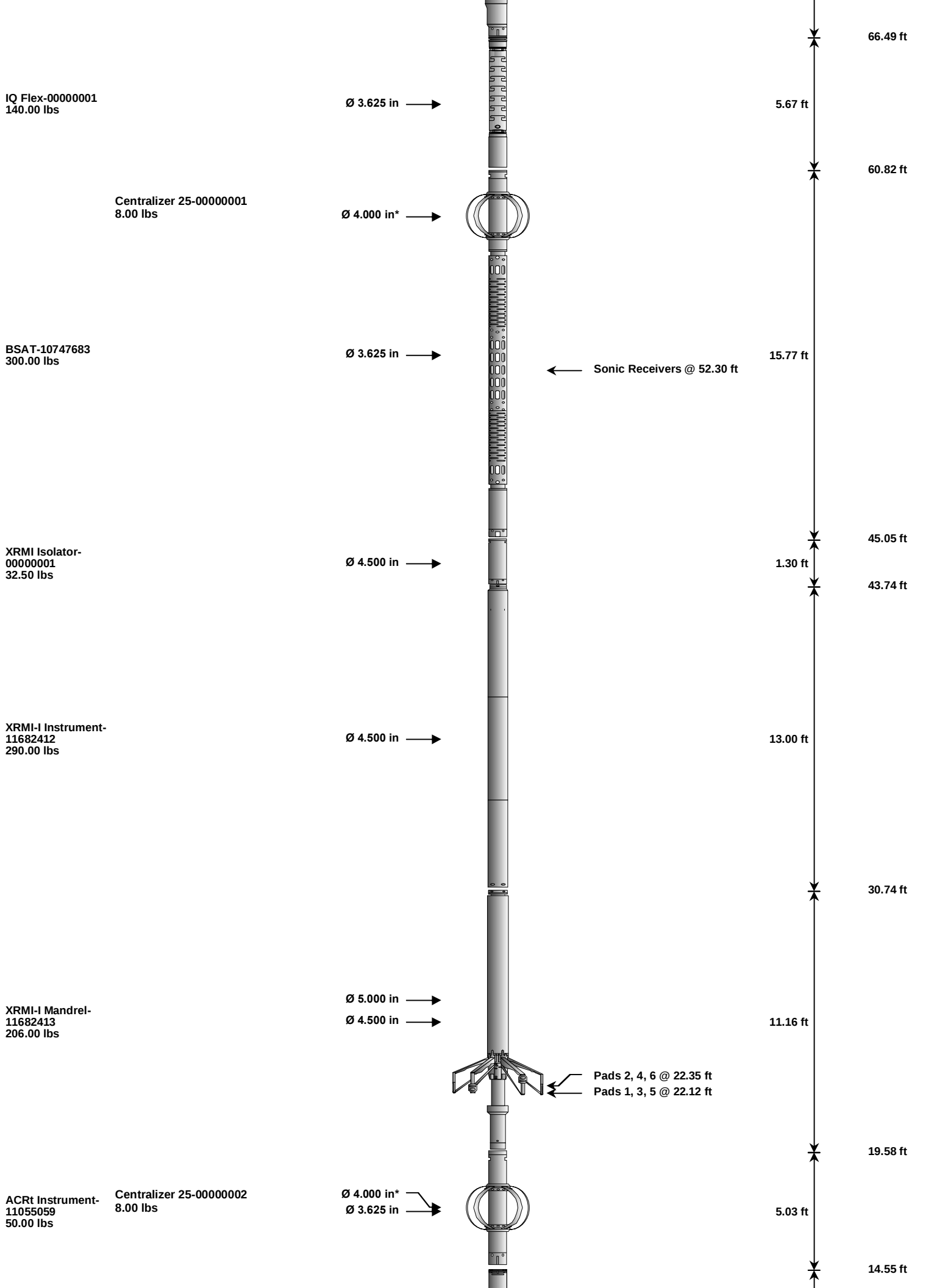
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Plot Range: 5545 ft to 6261 ft
Data: PARITY 1-34\Well Based\IR1 REPEAT\
Plot File: \\BSAT\BSAT_5_REP_LIB

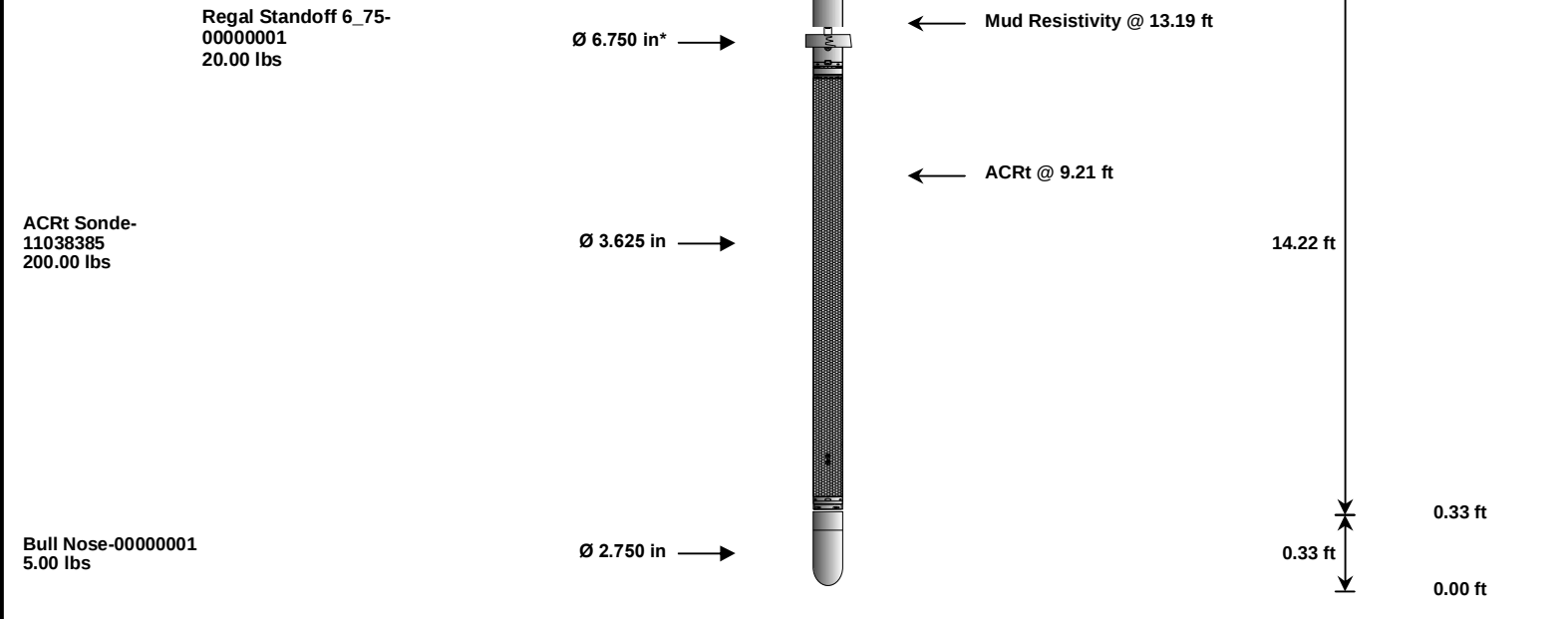
REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
Cable Head- 12345678 30.00 lbs		Ø 3.625 in →			1.92 ft	101.17 ft
SP Sub-12345678 60.00 lbs		Ø 3.625 in →		← SP @ 97.47 ft	3.74 ft	99.25 ft
						95.51 ft
GTET-11048627 165.00 lbs		Ø 3.625 in →		← GammaRay @ 89.45 ft	8.52 ft	
						86.99 ft
DSNT-11019643 174.00 lbs	DSN Decentralizer- 11019643 6.60 lbs	Ø 5.000 in* → Ø 3.625 in →		← DSN Far @ 80.05 ft ← DSN Near @ 79.30 ft	9.69 ft	
						77.30 ft
SDLT-10950489 360.00 lbs	SDLT Pad-10844781 65.00 lbs Microlog Pad-10950489 8.00 lbs	Ø 4.500 in → Ø 4.750 in* → Ø 4.750 in* →		Microlog @ 69.49 ft SDL Caliper @ 69.31 ft SDL @ 69.30 ft	10.81 ft	





Mnemonic		Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
CH	Standard OH Cable Head		12345678	30.00	1.92	99.25	300.00
SP	SP Sub		12345678	60.00	3.74	95.51	300.00
GTET	Gamma Telemetry Tool		11048627	165.00	8.52	86.99	60.00
DSNT	Dual Spaced Neutron		11019643	174.00	9.69	77.30	60.00
DCNT	DSN Decentralizer		11019643	6.60	5.13	* 80.63	300.00
SDLT	Spectral Density Tool		10950489	360.00	10.81	66.49	60.00
SDLP	Density Insite Pad		10844781	65.00	2.55	* 68.70	60.00
MICP	Microlog Pad		10950489	8.00	1.00	* 68.99	60.00
IQF	IQ Flex tool		00000001	140.00	5.67	60.82	300.00
BSAT	Borehole Sonic Array Tool		10747683	300.00	15.77	45.05	60.00
OBCEN	Centralizer - 25 in. Overbody		00000001	8.00	2.08	* 57.82	300.00
	Isolator for the XRFI tool		00000001	32.50	1.30	43.74	300.00
XRFI	XRFI Navigation - Insite		11682412	290.00	13.00	30.74	30.00
XRFI-I	XRFI Imager - Insite		11682413	206.00	11.16	19.58	30.00
ACRT	Array Compensated True Resistivity Instrument Section		11055059	50.00	5.03	14.55	120.00
OBCEN	Centralizer - 25 in. Overbody		00000002	8.00	2.08	* 16.12	300.00
ACRT	Array Compensated True Resistivity Sonde Section		11038385	200.00	14.22	0.33	120.00
RSOF	Regal Standoff 6.75in		00000001	20.00	0.52	* 12.42	300.00
BLNS	Bull Nose		00000001	5.00	0.33	0.00	300.00
Total				2,128.10	101.17		
* Not included in Total Length and Length Accumulation.							
Data: PARITY 1-34\0002 GTET-DSN-SDL-FLEX-BSAT-XRFI-ACRT\003 13-Mar-14 06:51 Up @6261.3f						Date: 13-Mar-14 07:28:05	

HALLIBURTON

PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	7.875	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDBS	Mud Base	Water	
	SHARED	MDWT	Borehole Fluid Weight	9.200	ppg
	SHARED	WAGT	Weighting Agent	Natural	
	SHARED	BSAL	Borehole salinity	0.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%

	SHARED	RMUD	Mud Resistivity	1.000	ohmm
	SHARED	TRM	Temperature of Mud	75.0	degF
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	5.500	in
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	6250.00	ft
	SHARED	BHT	Bottom Hole Temperature	145.0	degF
	SHARED	SVTM	Navigation and Survey Master Tool	XRMI-I Instrument	
	SHARED	AZTM	High Res Z Accelerometer Master Tool	XRMI-I Instrument	
	SHARED	TEMM	Temperature Master Tool	NONE	
	Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
	Rwa / CrossPlot	FCHO	Select Source of F	Automatic	
	Rwa / CrossPlot	AFAC	Archie A factor	0.6200	
	Rwa / CrossPlot	MFAC	Archie M factor	2.1500	
	Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm
	Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF
	Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm
	Rwa / CrossPlot	ADP	Use Air Porosity to calculate CrossplotPhi	No	
	Rwa / CrossPlot	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
	GTET	GROK	Process Gamma Ray?	Yes	
	GTET	GRSO	Gamma Tool Standoff	0.000	in
	GTET	GEOK	Process Gamma Ray EVR?	No	
	GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
	GTET	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
	DSNT	DNOK	Process DSN?	Yes	
	DSNT	DEOK	Process DSN EVR?	No	
	DSNT	NLIT	Neutron Lithology	Limestone	
	DSNT	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
	DSNT	DNTP	Temperature Correction Type	None	
	DSNT	DPRS	DSN Pressure Correction Type	None	
	DSNT	SHCO	View More Correction Options	No	
	DSNT	UTVD	Use TVD for Gradient Corrections?	No	
	DSNT	LHWT	Logging Horizontal Water Tank?	No	
	DSNT	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
	SDLT	CLOK	Process Caliper Outputs?	Yes	
	SDLT Pad	DNOK	Process Density?	Yes	
	SDLT Pad	DNOK	Process Density EVR?	No	
	SDLT Pad	CB	Logging Calibration Blocks?	No	
	SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
	SDLT Pad	DTWN	Disable temperature warning	No	
	SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc
	SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
	SDLT Pad	BHSM	Borehole Size Source Tool	SDLT	
	Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
	BSAT	MBOK	Compute BCAS Results?	Yes	
	BSAT	FLLO	Frequency Filter Low Pass Value?	5000	Hz
	BSAT	FLHI	Frequency Filter High Pass Value?	27000	Hz
	BSAT	DTFL	Delta -T Fluid	189.00	uspf
	BSAT	DTMT	Delta -T Matrix Type	User define	
	BSAT	DTMA	Delta -T Matrix	47.60	uspf
	BSAT	DTSH	Delta -T Shale	100.00	uspf

BSAT	SPEQ	Acoustic Porosity Equation	Wyllie	
XRMI-I Instrument	WRTI	Survey Writing Interval	30	ft
XRMI-I Instrument	SOPT	Smoothing Option	None	
XRMI-I Mandrel	DIMG	Process XRMI?	Yes	
XRMI-I Mandrel	ALMT	Image Alignment Method	AZIM	
XRMI-I Mandrel	AGN	Use Button Auto Gain?	Yes	
XRMI-I Mandrel	BCLR	Button Auto Gain Color	127	
XRMI-I Mandrel	BFIL	Button Auto Gain Filter	0.020	
XRMI-I Mandrel	BGAN	Button Gain Value	0.001	
XRMI-I Mandrel	BOFF	Button Offset	0	
XRMI-I Mandrel	DIPE	Process Dipmeter Calculations?	Yes	
XRMI-I Mandrel	BHCS	Process Borehole Corrections?	Yes	
XRMI-I Mandrel	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
XRMI-I Mandrel	CLOK	Process Caliper Outputs?	Yes	
XRMI-I Mandrel	CMAX	Caliper Maximum Limit	100.0	in
XRMI-I Mandrel	CMIN	Caliper Mimimum Limit	3.5	in
XRMI-I Mandrel	NAVS	Navigation Source Tool	XRMI-I Instrument	
XRMI-I Mandrel	BHVC	Radius type for borehole volume calcuations	Elliptical	
ACRt Sonde	RTOK	Process ACRt?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Up	
ACRt Sonde	TPOS	Tool Position	Free Hanging	
ACRt Sonde	RMOP	Rmud Source	Mud Cell	
ACRt Sonde	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt Sonde	RMIN	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
ACRt Sonde	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
BOTTOM				
Data: PARITY 1-34\0002 GTET-DSN-SDL-FLEX-BSAT-XRMI-ACRT\003 13-Mar-14 06:51 Up @6261.3f			Date: 13-Mar-14 08:11:02	

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION				
Tool Name:	GTET - 11048627	Reference Calibration Date:	16-Dec-13 10:43:48	
Engineer:	THOMAS HYDE	Calibration Date:	06-Feb-14 08:33:07	
Software Version:	WL INSITE R3.8.4 (Build 5)	Calibration Version:	1	
Calibrator Source S/N: TB146				
Calibrator API Reference:265.00 api				
Equivalent Calibrator API Reference:269.6 api				
	Measurement	Measured	Calibrated	Units
	Background	50.3	51.0	api
	Background + Calibrator	316.2	320.7	api
	Calibrator	265.9	269.6	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION			
Tool Name:	GTET - 11048627	Reference Calibration Date:	06-Feb-14 08:33:07
Engineer:	SHELDON INGERSOLL	Calibration Date:	12-Mar-14 17:59:42
Software Version:	WL INSITE R4 2.0 (Build 2)	Calibration Version:	1

Software Version: WL INSITE R4.2.0 (Build 2)			
Calibrator Source S/N: TB146			
Calibrator API Reference:265.00 api			
Equivalent Calibrator API Reference:269.6 api			
Field Verification	Shop	Field	Units
Background	51.0	50.9	api
Background + Calibrator	320.7	320.2	api
Calibrator	269.6	269.3	api
Shop	Field	Difference	Tolerance
269.6	269.3	0.3	+/- 9.00

Density Caliper Shop Calibration			
Tool Name:	SDLT - 10950489	Reference Calibration Date:	12-Mar-14 18:14:50
Engineer:	SHELDON INGERSOLL	Calibration Date:	12-Mar-14 18:19:39
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1
Host Tool Name:	DSNT - 11019643		

CALIBRATION COEFFICIENTS				
Measurement	Previous Value	New Value	Control Limit On New Value	
Pad Offset	-2556.15	-2597.21	-7000.00 - -1000.00	
Pad Gain	0.0004213	0.0004250	0.000200 - 0.000600	
Arm Offset	-294.03	-1108.00	-5000.00 - 3000.00	
Arm Gain	0.0004826	0.0005701	0.000300 - 0.000700	
Arm Power	-0.000003449	-0.000008460	-0.000010000 - 0.000010000	
The ring diameter is computed from: DIAMETER = PAD EXTENSION + ARM EXTENSION + TOOL DIAMETER				
Tool Diameter: 4.50 in				
CALIBRATION RINGS				
Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change	Control Limit On New Value
PAD EXTENSION:				
Small Ring (in)	2.00	2.00	0.00	+/- 0.20
Medium Ring (in)	3.73	3.75	0.02	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.58	6.50	-0.08	+/- 0.20
Medium Ring (in)	8.15	8.25	0.10	+/- 0.20
Large Ring (in)	15.05	15.00	-0.05	+/- 0.20
PASS/FAIL SUMMARY				
Calibration-Coefficients Range Check:			Passed	
Ring-Measurement Check:			Passed	
PASS/FAIL SUMMARY				
Calibration-Coefficients Range Check:			Passed	

SDLT Caliper Field Calibration			
Tool Name:	SDLT - 10950489	Reference Calibration Date:	12-Mar-14 18:19:39
Engineer:	SHELDON INGERSOLL	Calibration Date:	12-Mar-14 18:22:05
Software Version:	WL INSITE R4.2.0 (Build 2)	Calibration Version:	1

Measured Caliper Values				
Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.77	0.02	+/- 0.10
Ring Diameter	8.25	8.25	0.00	+/- 0.15

PASS/FAIL SUMMARY																					
Pad Extension Check:				Passed																	
Diameter Check:				Passed																	
BSAT FIELD CASING CHECK																					
Tool Name: BSAT - 10747683				Calibration Date: 13-Mar-14 05:21:46																	
Engineer: SHELDON INGERSOLL																					
Software Version: WL INSITE R4.2.0 (Build 2)				Calibration Version: 1																	
<table><tr><td>Pre-Log Check</td><td>Check Depth</td><td>Shop</td><td>Field</td><td>Difference</td><td>Tolerance</td><td>Units</td></tr><tr><td>Delta-T Compensated</td><td>1443.05</td><td>57.00</td><td>56.20</td><td>0.8000</td><td>1.00</td><td>uspf</td></tr></table>								Pre-Log Check	Check Depth	Shop	Field	Difference	Tolerance	Units	Delta-T Compensated	1443.05	57.00	56.20	0.8000	1.00	uspf
Pre-Log Check	Check Depth	Shop	Field	Difference	Tolerance	Units															
Delta-T Compensated	1443.05	57.00	56.20	0.8000	1.00	uspf															
CALIBRATION SUMMARY																					
Sensor		Shop	Field	Post	Difference	Tolerance	Units														
GTET-11048627																					
Gamma Ray Calibrator	269.6	269.3	-----	0.3	+/- 9.00	api															
SDLT-10950489																					
Pad Extension	3.75	3.77	-----	-0.02	+/-0.10	in															
Ring Diameter	8.25	8.25	-----	0.00	+/-0.15	in															
Data: PARITY 1-34\0002 GTET-DSN-SDL-FLEX-BSAT-XRMI-ACRT\003 13-Mar-14 06:51 Up @6261.3f						Date: 13-Mar-14 08:13:29															
HALLIBURTON																					
INPUTS, DELAYS AND FILTERS TABLE																					
Mnemonic		Input Description			Delay (ft)	Filter Type	Filter Length (ft)														
Depth Panel																					
TENS	Tension			0.00	NO																
Rwa / CrossPlot																					
TPUL	Tension Pull			101.17	NO																
BS	Bit Size			101.17	NO																
HDIA	Measured Hole Diameter			0.00	NO																
SP Sub																					
PLTC	Plot Control Mask			97.47	NO																
SP	Spontaneous Potential			97.47	BLK	1.250															
SPR	Raw Spontaneous Potential			97.47	NO																
SPO	Spontaneous Potential Offset			97.47	NO																
GTET																					
TPUL	Tension Pull			89.45	NO																
GR	Natural Gamma Ray API			89.45	TRI	1.750															
GRU	Unfiltered Natural Gamma Ray API			89.45	NO																
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution			89.45	W	1.416 , 0.750															
HDIA	Measured Hole Diameter			0.00	NO																
ACCZ	Accelerometer Z			0.00	BLK	0.083															
DEVI	Inclination			0.00	NO																
DSNT																					
TPUL	Tension Pull			79.20	NO																
RNDS	Near Detector Telemetry Counts			79.30	BLK	1.417															

RFDS	Far Detector Telemetry Counts	80.05	TRI	0.583
DNTT	DSN Tool Temperature	79.30	NO	
DSNS	DSN Tool Status	79.20	NO	
ERND	Near Detector Telemetry Counts EVR	79.30	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	80.05	BLK	0.000
ENTM	DSN Tool Temperature EVR	79.30	NO	
HDIA	Measured Hole Diameter	0.00	NO	
SDLT				
TPUL	Tension Pull	69.31	NO	
PCAL	Pad Caliper	69.31	TRI	0.250
ACAL	Arm Caliper	69.31	TRI	0.250
BSAT				
TPUL	Tension Pull	52.30	NO	
STAT	Status	52.30	NO	
DLYT	Delay Time	52.30	NO	
SI	Sample Interval	52.30	NO	
TXRX	Raw Telemetry 10 Receivers	52.30	NO	
FRMC	Tool Frame Count	52.30	NO	
GMOD	Gain processing mode	45.05	NO	
XRMI-I Mandrel				
TPUL	Tension Pull	22.35	NO	
PAD1	XRMI Pad 1 values	22.12	NO	
PAD2	XRMI Pad 2 values	22.12	NO	
PAD3	XRMI Pad 3 values	22.12	NO	
PAD4	XRMI Pad 4 values	22.12	NO	
PAD5	XRMI Pad 5 values	22.12	NO	
PAD6	XRMI Pad 6 values	22.12	NO	
OD1	EMI Odd Button Values Pad 1	22.12	NO	
OD2	EMI Odd Button Values Pad 2	22.35	NO	
OD3	EMI Odd Button Values Pad 3	22.12	NO	
OD4	EMI Odd Button Values Pad 4	22.35	NO	
OD5	EMI Odd Button Values Pad 5	22.12	NO	
OD6	EMI Odd Button Values Pad 6	22.35	NO	
EV1	EMI Even Button Values Pad 1	22.14	NO	
EV2	EMI Even Button Values Pad 2	22.32	NO	
EV3	EMI Even Button Values Pad 3	22.14	NO	
EV4	EMI Even Button Values Pad 4	22.32	NO	
EV5	EMI Even Button Values Pad 5	22.14	NO	
EV6	EMI Even Button Values Pad 6	22.32	NO	
ITMP	Instrument Temperature	19.58	NO	
EMIM	Tool Mode	19.58	NO	
HAZI	Hole Azimuth	21.87	NO	
HAZI	Hole Azimuth - Down Delay	22.37	NO	
ZACC	Accelerometer Z	22.12	NO	
RB	Relative Bearing	21.87	NO	
RBD	Relative Bearing Down	22.37	NO	
TPUL	Tension Pull	22.35	NO	
FIR1	Current Button R - Pad 1	22.12	NO	
FIR2	Current Button R - Pad 2	22.35	NO	
FIR3	Current Button R - Pad 3	22.12	NO	
FIR4	Current Button R - Pad 4	22.35	NO	
FIR5	Current Button R - Pad 5	22.12	NO	
FIR6	Current Button R - Pad 6	22.35	NO	

FIX1	Current Button X - Pad 1	22.12	NO	
FIX2	Current Button X - Pad 2	22.35	NO	
FIX3	Current Button X - Pad 3	22.12	NO	
FIX4	Current Button X - Pad 4	22.35	NO	
FIX5	Current Button X - Pad 5	22.12	NO	
FIX6	Current Button X - Pad 6	22.35	NO	
SIR1	Current Slow Button R - Pad 1	22.12	BLK	3.000
SIR2	Current Slow Button R - Pad 2	22.35	BLK	3.000
SIR3	Current Slow Button R - Pad 3	22.12	BLK	3.000
SIR4	Current Slow Button R - Pad 4	22.35	BLK	3.000
SIR5	Current Slow Button R - Pad 5	22.12	BLK	3.000
SIR6	Current Slow Button R - Pad 6	22.35	BLK	3.000
SIX1	Current Slow Button X - Pad 1	22.12	BLK	3.000
SIX2	Current Slow Button X - Pad 2	22.35	BLK	3.000
SIX3	Current Slow Button X - Pad 3	22.12	BLK	3.000
SIX4	Current Slow Button X - Pad 4	22.35	BLK	3.000
SIX5	Current Slow Button X - Pad 5	22.12	BLK	3.000
SIX6	Current Slow Button X - Pad 6	22.35	BLK	3.000
EMMR	Phasor Voltage - Real Part	22.12	NO	
EMMX	Phasor Voltage - Imaginary Part	22.12	NO	
PADV	Pad Voltage	19.58	BLK	0.250
ITMP	Instrument Temperature	19.58	BLK	0.000
CON1	Conductivity Pad 1	22.12	BLK	3.000
CON2	Conductivity Pad 2	22.35	BLK	3.000
CON3	Conductivity Pad 3	22.12	BLK	3.000
CON4	Conductivity Pad 4	22.35	BLK	3.000
CON5	Conductivity Pad 5	22.12	BLK	3.000
CON6	Conductivity Pad 6	22.35	BLK	3.000
UIR2	Current Button R No Delay - Pad 2	22.12	NO	
UIR4	Current Button R No Delay - Pad 4	22.12	NO	
UIR6	Current Button R No Delay - Pad 6	22.12	NO	
UIX2	Current Button X No Delay - Pad 2	22.12	NO	
UIX4	Current Button X No Delay - Pad 4	22.12	NO	
UIX6	Current Button X No Delay - Pad 6	22.12	NO	
HDIA	Measured Hole Diameter	0.00	NO	
TPUL	Tension Pull	22.35	NO	
ARM1	Caliper 1 measurement	22.12	BLK	0.000
ARM2	Caliper 2 measurement	22.12	BLK	0.000
ARM3	Caliper 3 measurement	22.12	BLK	0.000
ARM4	Caliper 4 measurement	22.12	BLK	0.000
ARM5	Caliper 5 measurement	22.12	BLK	0.000
ARM6	Caliper 6 measurement	22.12	BLK	0.000
MOTV	Motor Voltage Monitor 1	22.12	BLK	0.000
PRES	Caliper percentage of total compression of the spring	19.58	BLK	0.000
HAZI	Hole Azimuth	22.12	NO	
RB	Relative Bearing	22.12	NO	
AZI1	PAD1 Azimuth	22.12	NO	
DEVI	Inclination	22.12	NO	
ACRt Sonde				
TPUL	Tension Pull	2.73	NO	
F1R1	ACRT 12KHz - 80in R value	8.98	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	8.98	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.48	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.48	BLK	0.000

F1R3	ACRT 12KHz - 29in R value	4.98	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	4.98	BLK	0.000
F1R4	ACRT 12KHz - 17in R value	3.98	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	3.98	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.48	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.48	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.23	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.23	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	8.98	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	8.98	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.48	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.48	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	4.98	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	4.98	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	3.98	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	3.98	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.48	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.48	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.23	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.23	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	8.98	BLK	0.000
F3X1	ACRT 72KHz - 80in X value	8.98	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.48	BLK	0.000
F3X2	ACRT 72KHz - 50in X value	6.48	BLK	0.000
F3R3	ACRT 72KHz - 29in R value	4.98	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	4.98	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	3.98	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	3.98	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.48	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.48	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.23	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.23	BLK	0.000
RMUD	Mud Resistivity	12.52	BLK	0.000
F1RT	Transmitter Reference 12 KHz Real Signal	2.73	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.73	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.73	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.73	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.73	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.73	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.73	BLK	0.000
TFPL	Lower Feedpipe Temperature Calculated	2.73	BLK	0.000
ITMP	Instrument Temperature	2.73	BLK	0.000
TCVA	Temperature Correction Values Loop Off	2.73	NO	
TIDV	Instrument Temperature Derivative	2.73	NO	
TUDV	Upper Temperature Derivative	2.73	NO	
TLDV	Lower Temperature Derivative	2.73	NO	
TRBD	Receiver Board Temperature	2.73	NO	
HDIA	Measured Hole Diameter	0.00	NO	
SDLT Pad				
TPUL	Tension Pull	69.30	NO	
NAB	Near Above	69.12	BLK	0.920
NHI	Near Cesium High	69.12	BLK	0.920
NLO	Near Cesium Low	69.12	BLK	0.920
NVA	Near Valley	69.12	BLK	0.920
NDA	Near Duct	69.12	BLK	0.920

NBA	Near Barite	69.12	BLK	0.920
NDE	Near Density	69.12	BLK	0.920
NPK	Near Peak	69.12	BLK	0.920
NLI	Near Lithology	69.12	BLK	0.920
NBAU	Near Barite Unfiltered	69.12	BLK	0.250
NLIU	Near Lithology Unfiltered	69.12	BLK	0.250
FAB	Far Above	69.47	BLK	0.250
FHI	Far Cesium High	69.47	BLK	0.250
FLO	Far Cesium Low	69.47	BLK	0.250
FVA	Far Valley	69.47	BLK	0.250
FBA	Far Barite	69.47	BLK	0.250
FDE	Far Density	69.47	BLK	0.250
FPK	Far Peak	69.47	BLK	0.250
FLI	Far Lithology	69.47	BLK	0.250
PTMP	Pad Temperature	69.31	BLK	0.920
NHV	Near Detector High Voltage	68.70	NO	
FHV	Far Detector High Voltage	68.70	NO	
ITMP	Instrument Temperature	68.70	NO	
DDHV	Detector High Voltage	68.70	NO	
HDIA	Measured Hole Diameter	0.00	NO	
Microlog Pad				
TPUL	Tension Pull	69.49	NO	
MINV	Microlog Lateral	69.49	BLK	0.750
MNOR	Microlog Normal	69.49	BLK	0.750
COMPANY RAYDON EXPLORATION INC. WELL PARITY 1-34 FIELD WILDCAT COUNTY SEWARD STATE KANSAS				
HALLIBURTON		BOREHOLE COMPENSATED SONIC ARRAY LOG		