

HALLIBURTON

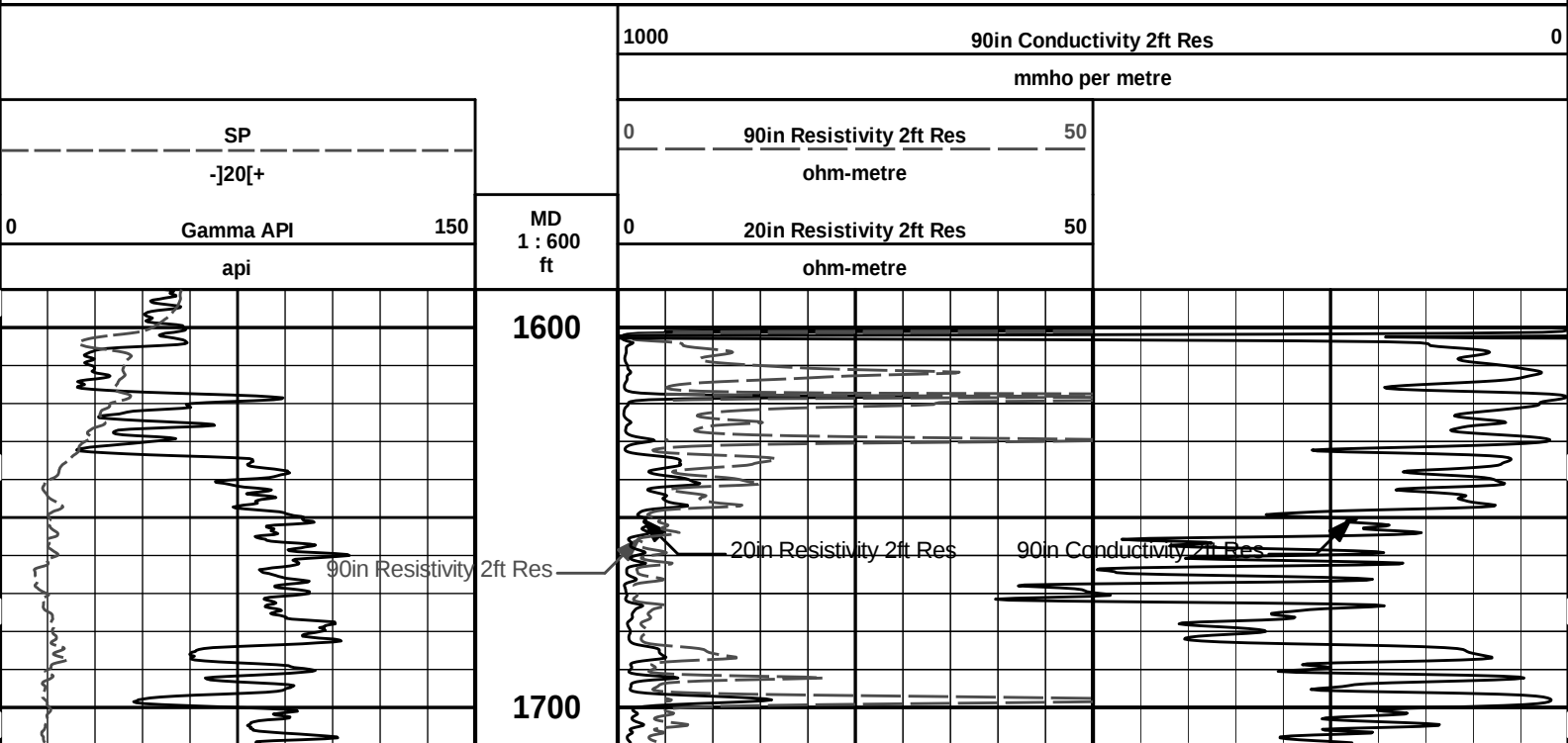
ARRAY COMPENSATED TRUE RESISTIVITY LOG

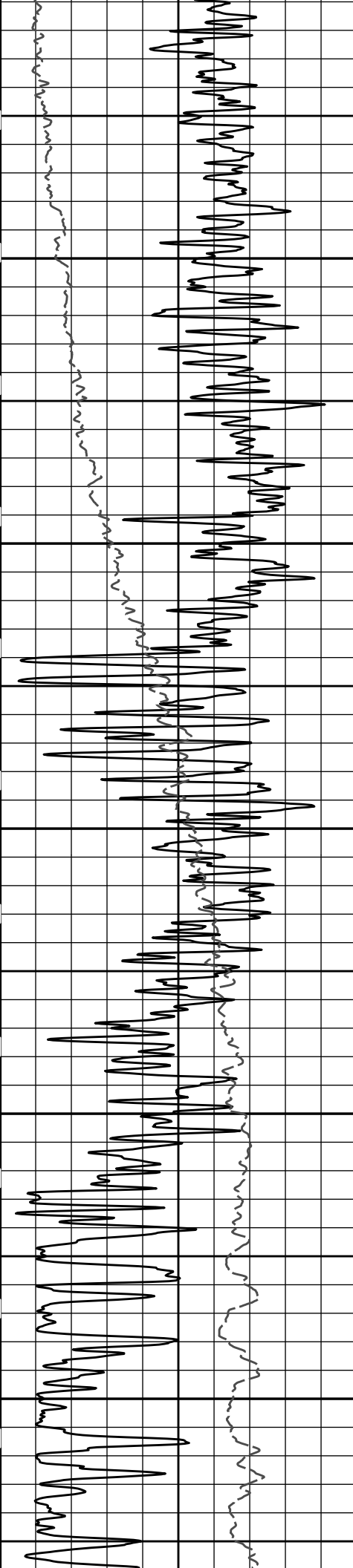
RAYDON EXPLORATION INC.				RAYDON EXPLORATION INC.			
COMPANY		WELL		COMPANY		WELL	
WELL		FIELD/BLOCK		PARITY 1-34		PARITY 1-34	
COUNTY		COUNTY		SEWARD		SEWARD	
STATE		STATE		KANSAS		KANSAS	
Permanent Datum		Sect. 34		Twp. 33S		Rge. 31W	
Log measured from		GL		Elev. 2730.0 ft		Elev.: K.B. 2739.0 ft	
Drilling measured from		KB		9.0 ft above perm. Datum		D.F. 2738.0 ft	
Date		13-Mar-14		GL		2730.0 ft	
Run No.		ONE					
Depth - Driller		6250.00 ft					
Depth - Logger		6258.0 ft					
Bottom - Logged Interval		6248					
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							

Type	SCINT			Source Type	CS-137	Source Type	AM-241BE							
Length	8"	LSA [Y/N]		Serial No.	5168GW	Serial No.	DSN-424							
Distance to Source	N/A	FWDA [Y/N]		Strength	1.5 CI	Strength	15 CI							
LOGGING DATA														
GENERAL			GAMMA		ACOUSTIC		DENSITY	NEUTRON						
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix			
No.	From	To	ft/min	L	R	L	R		L	R				
ONE	6258	1602	REC	0	150	30	-10	47.6 us/ft	30	-10	2.71 gm/cc	30	-10	LIME
DIRECTIONAL INFORMATION														
Maximum Deviation @								KOP @						
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING.														
CHLORIDES REPORTED AT 3700 mg/L.														





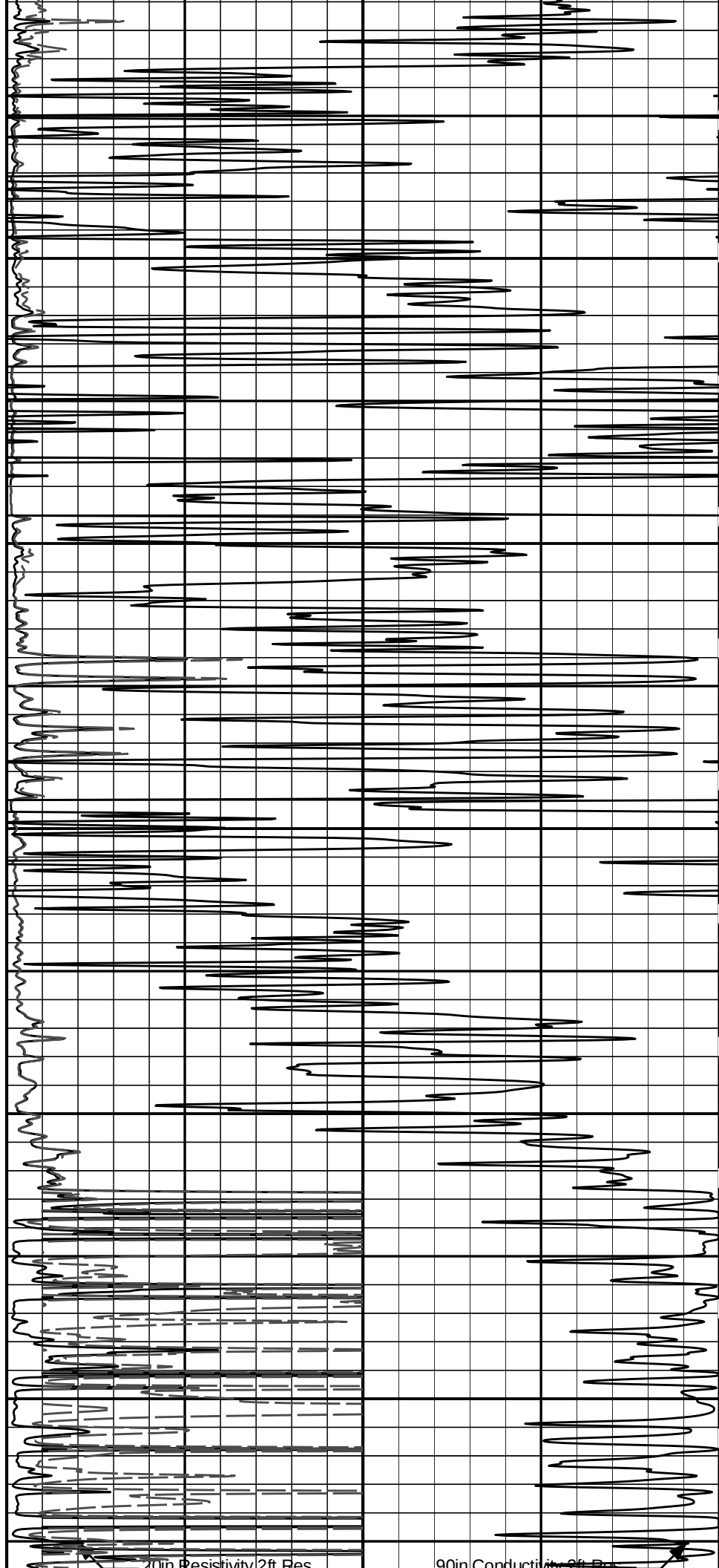
1800

1900

2000

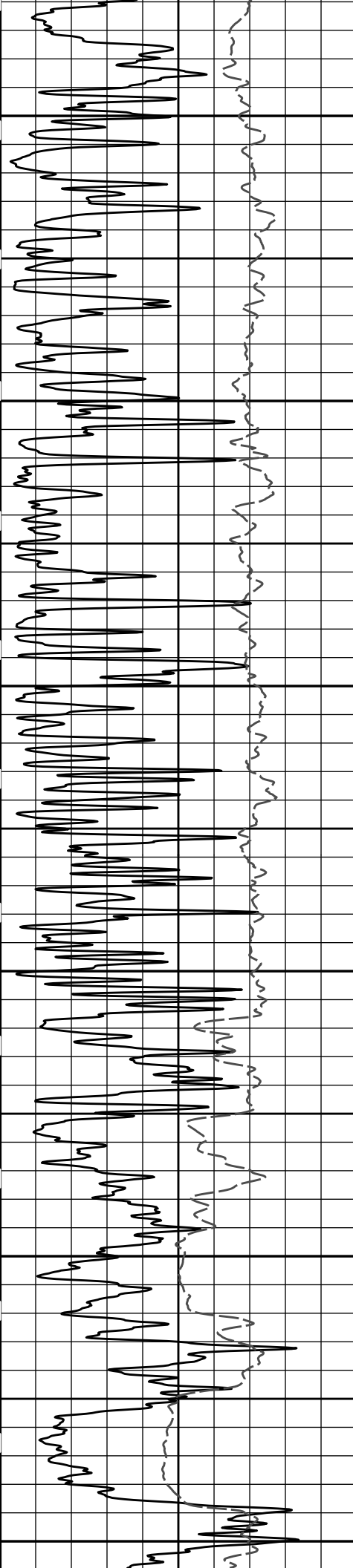
2100

2200



20in Resistivity/2ft Res

90in Conductivity/2ft Res



2300

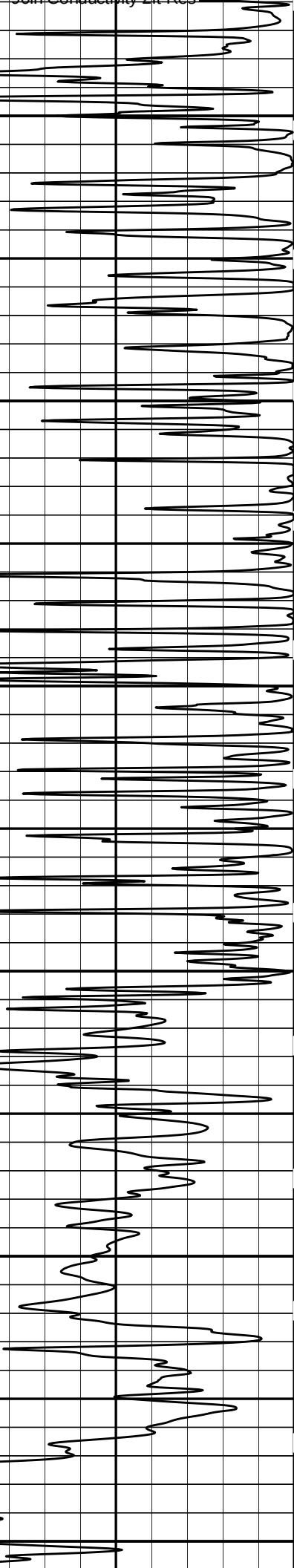
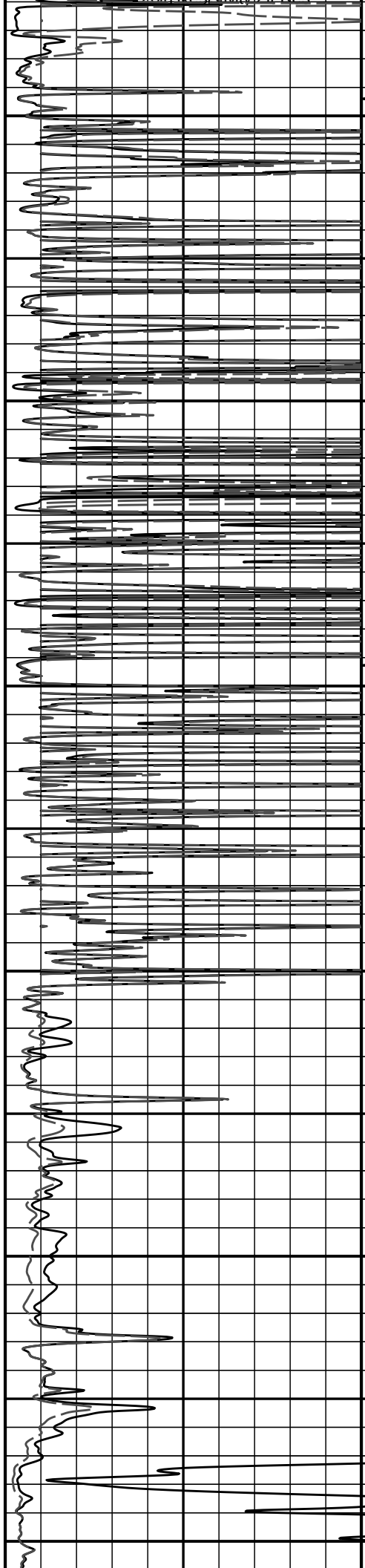
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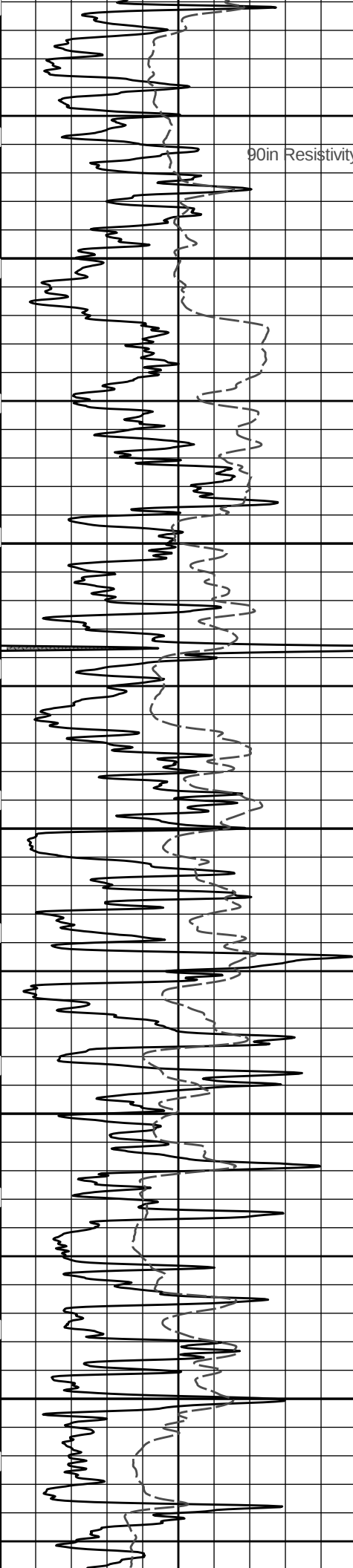
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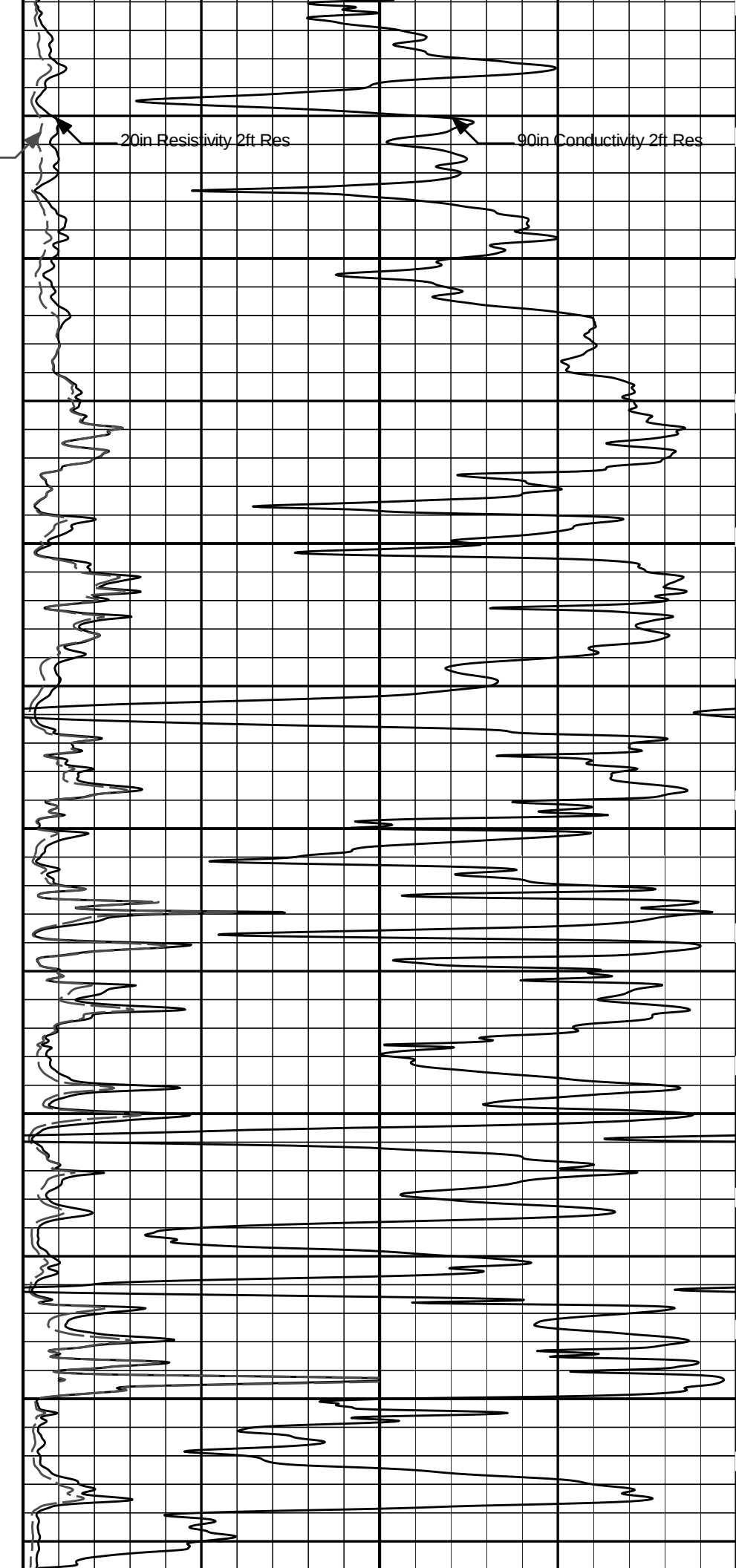
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2800





90in Resistivity 2ft Res



20in Resistivity 2ft Res

90in Conductivity 2ft Res

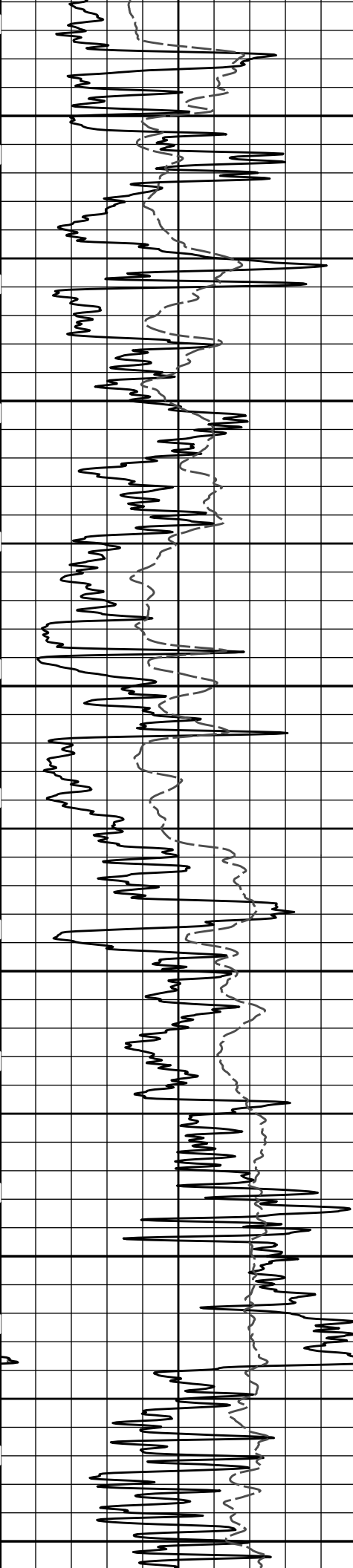
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3000

3100

3200

3300



3400

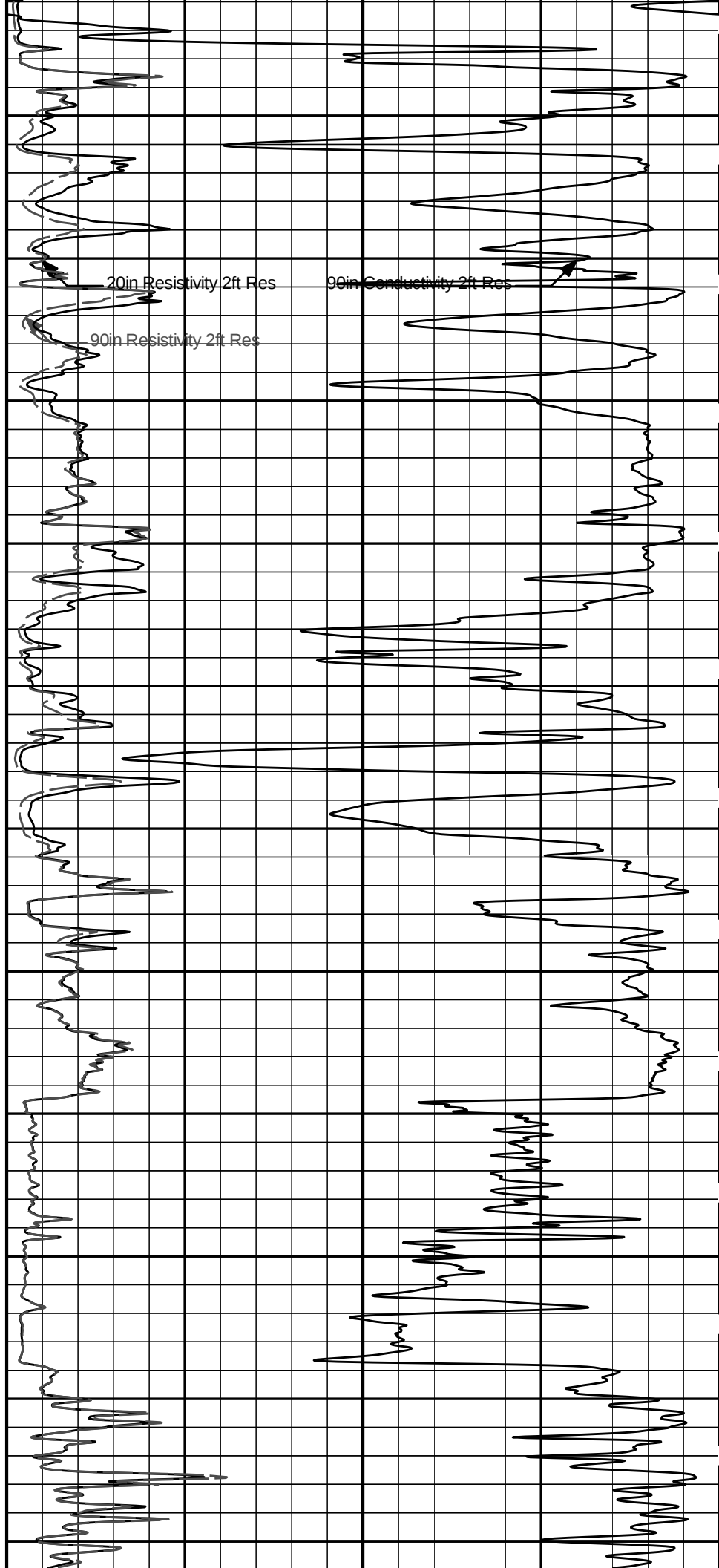
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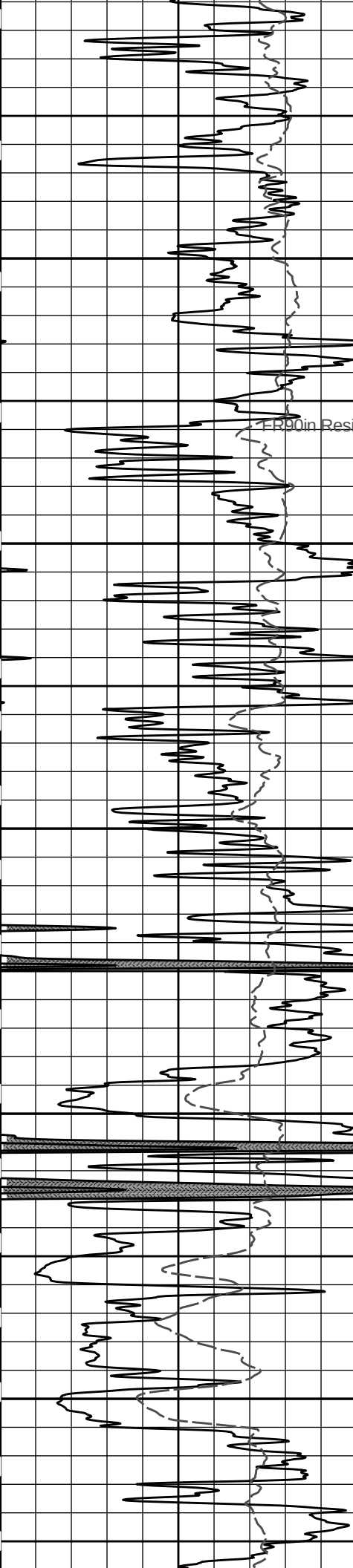
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3700

3800

3900





4000

4100

4200

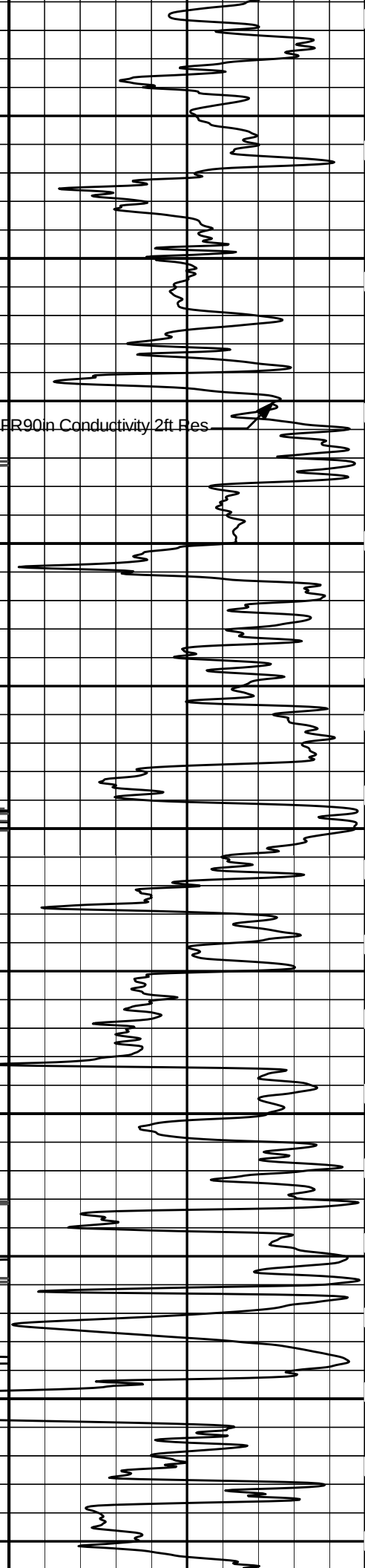
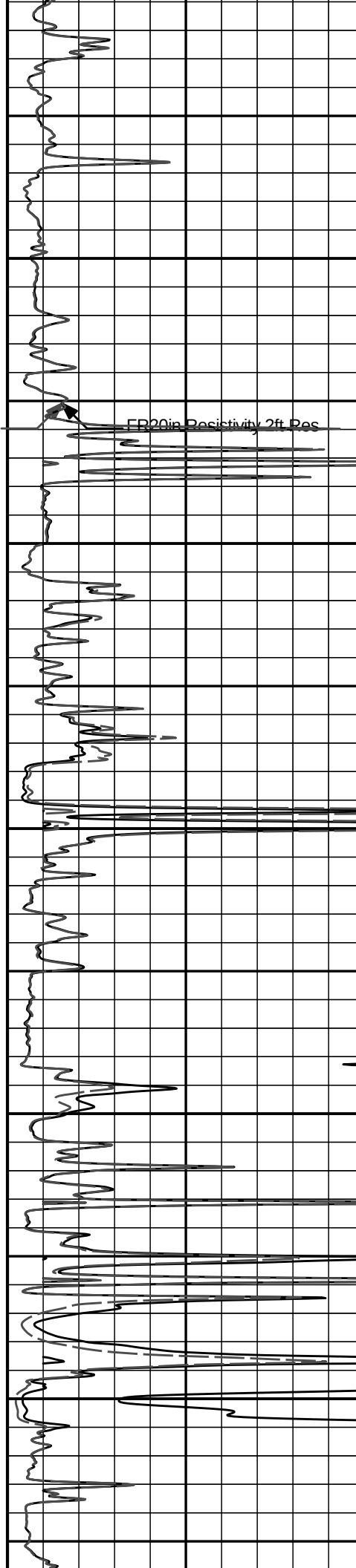
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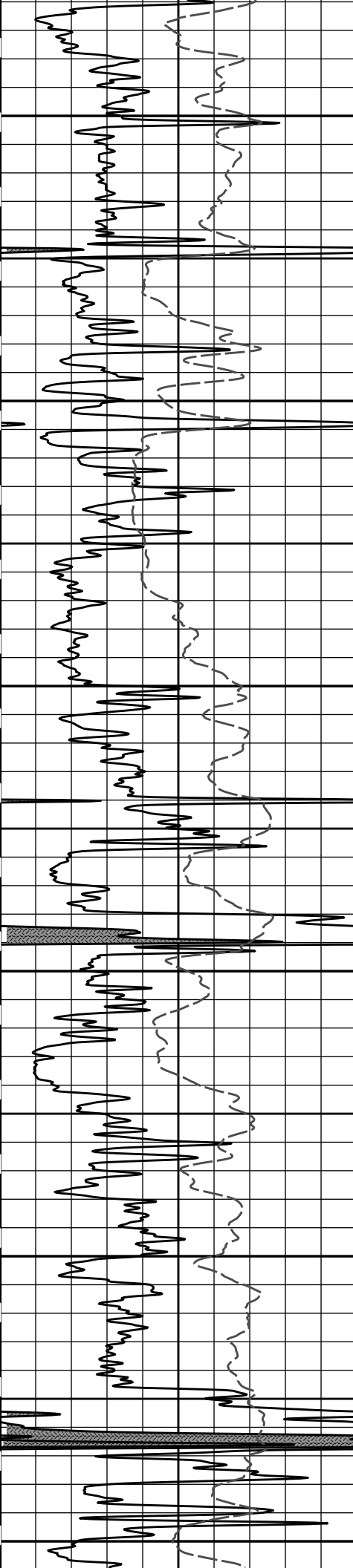
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FR90in Resistivity 2ft Res

FR20in Resistivity 2ft Res

FR90in Conductivity 2ft Res





4500

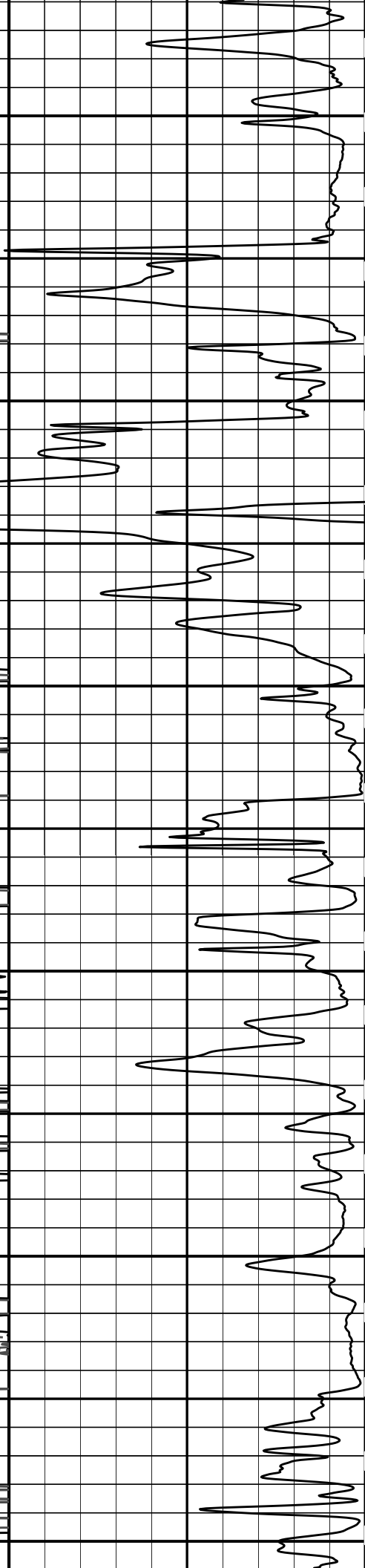
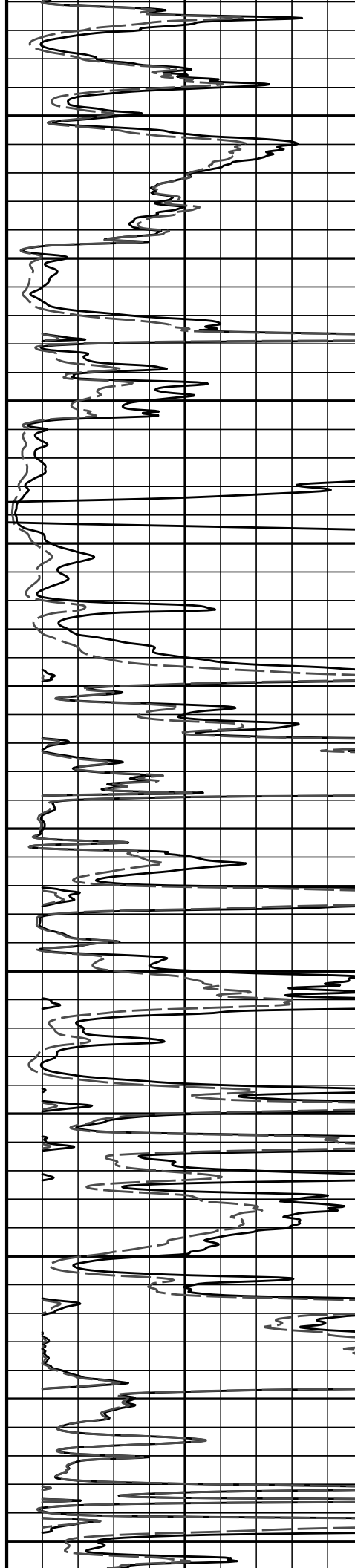
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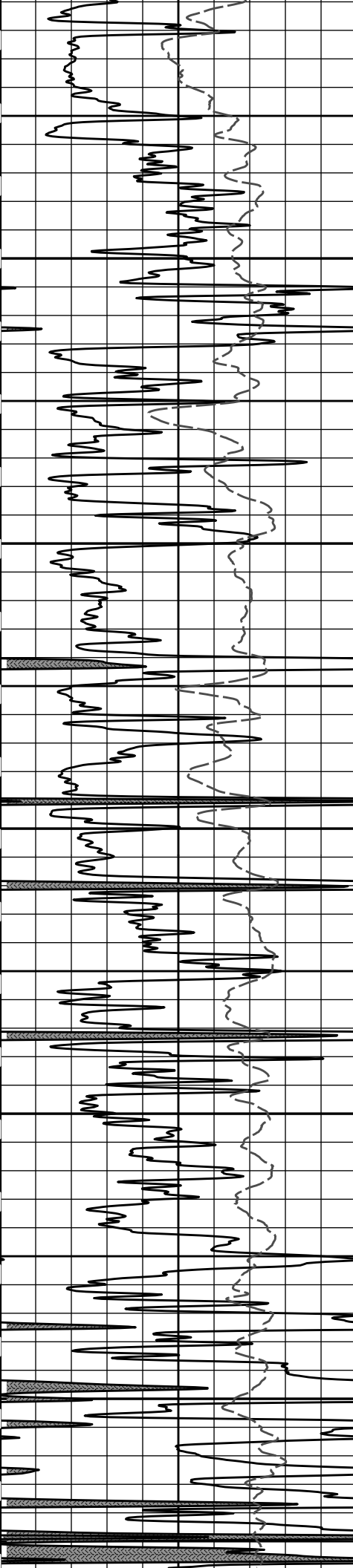
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4800

4900

5000





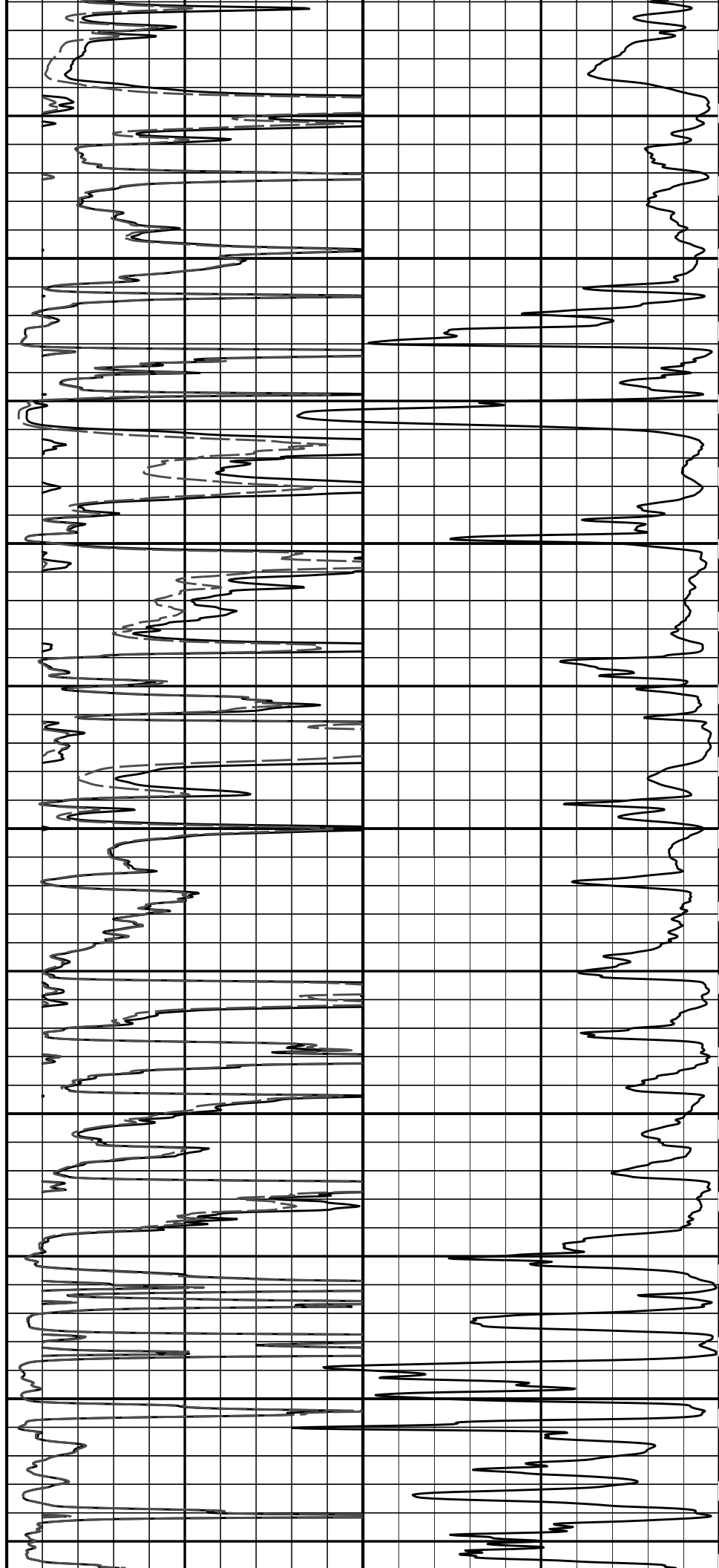
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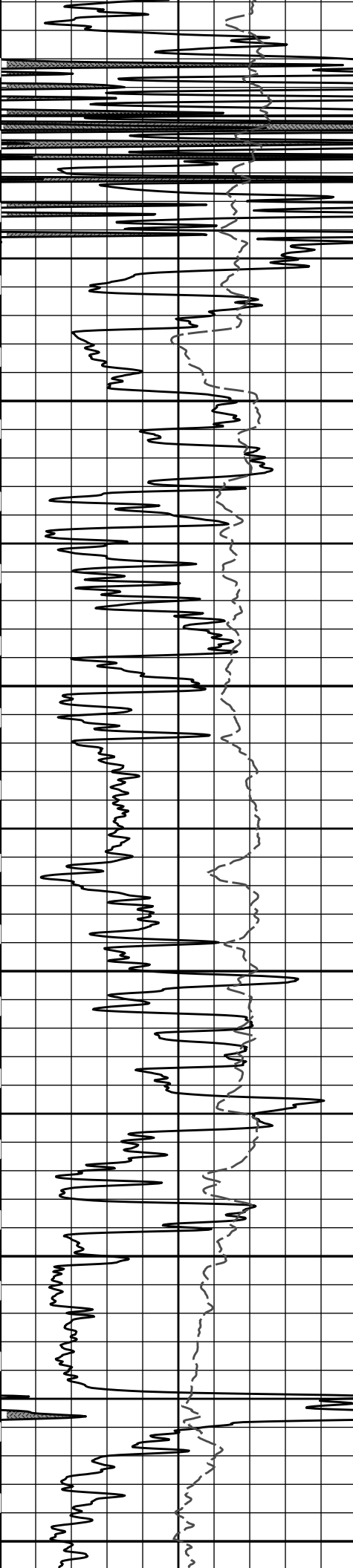
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5300

5400

5500





5600

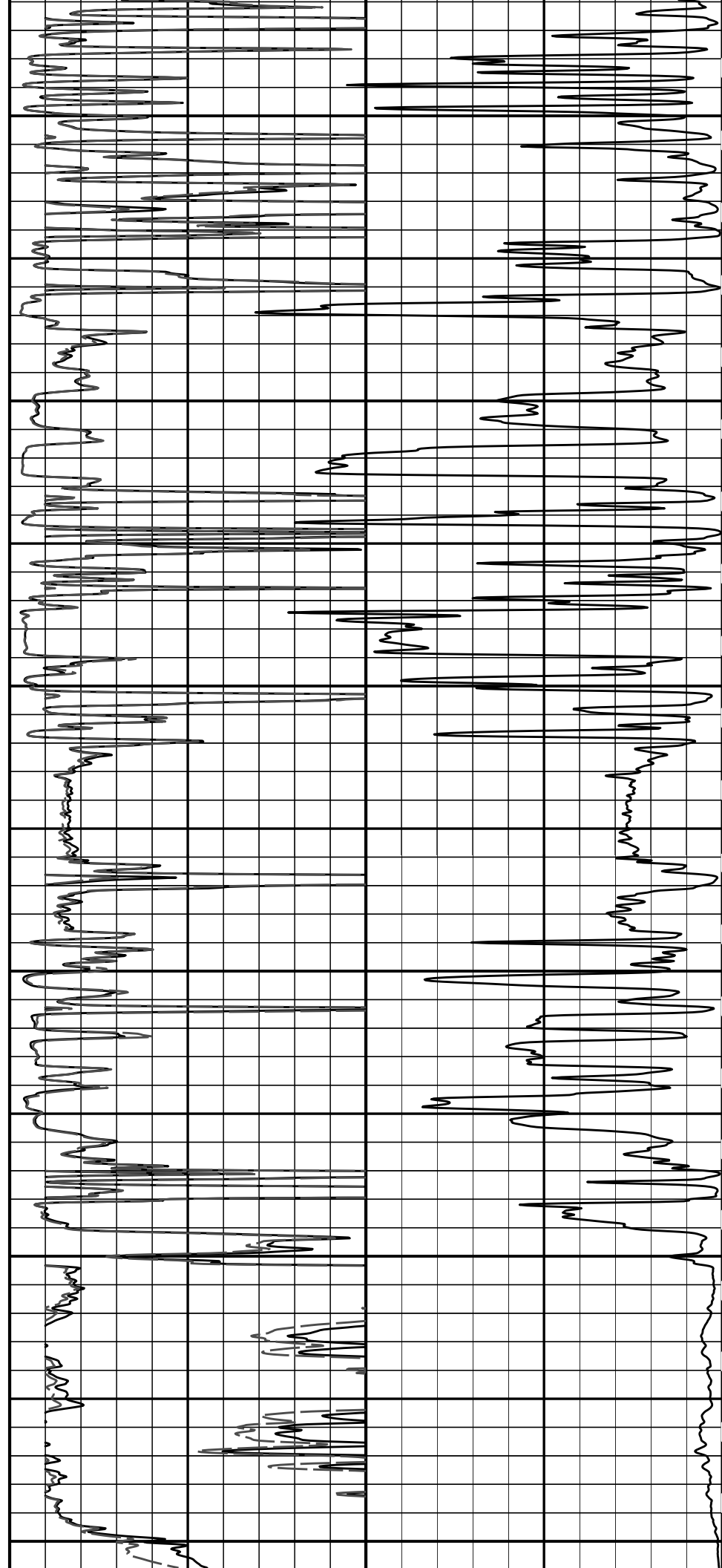
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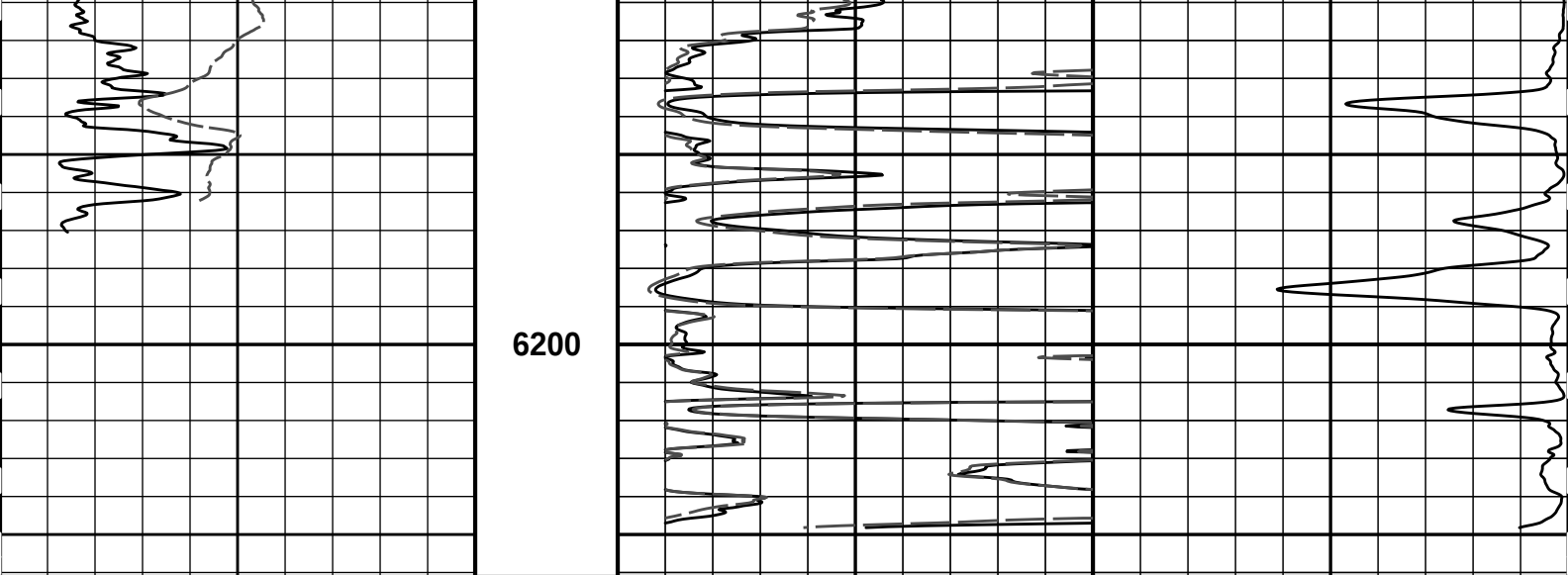
5800

5900

6000

6100





0	Gamma API	150	MD 1 : 600 ft	0	20in Resistivity 2ft Res	50	
	api				ohm-metre		
	SP			0	90in Resistivity 2ft Res	50	
	-]20[+				ohm-metre		
				1000	90in Conductivity 2ft Res	0	
				mmho per metre			

HALLIBURTON

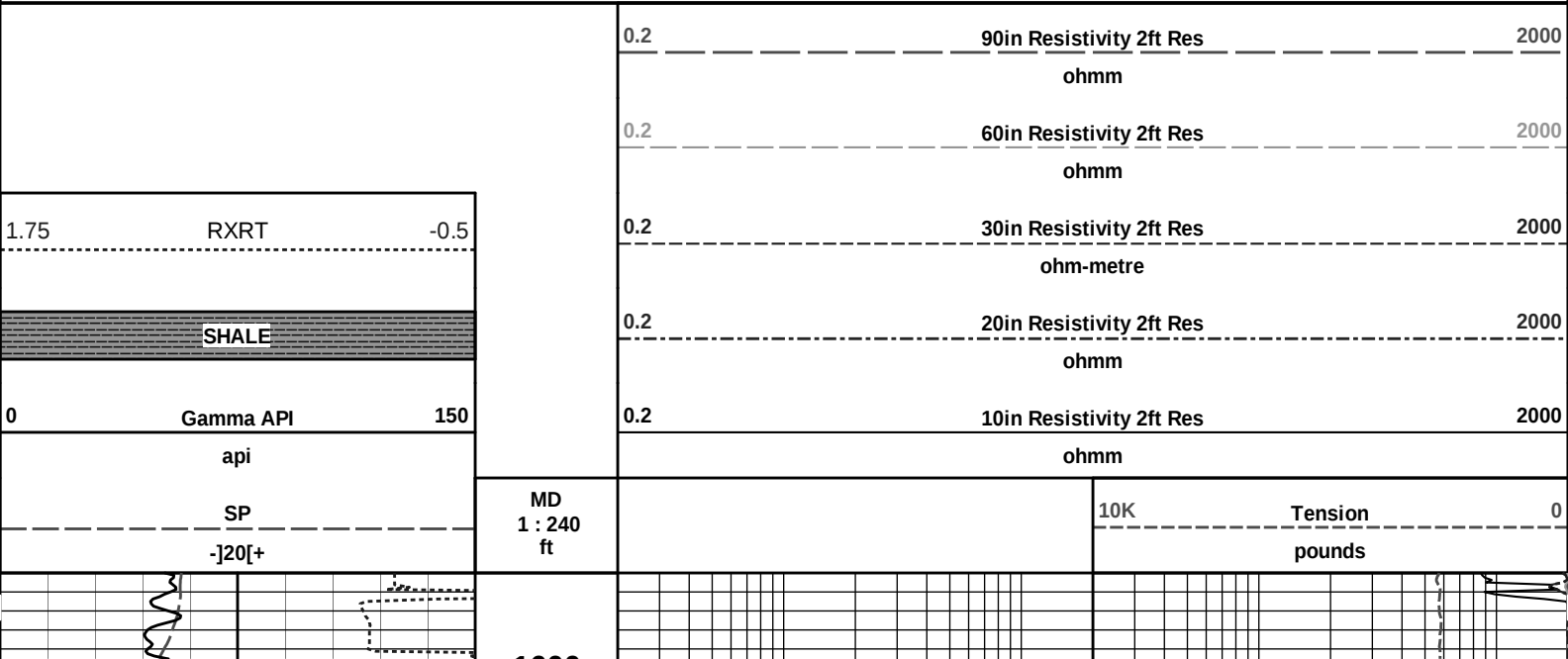
Plot Time: 13-Mar-14 10:17:00
Plot Range: 1590 ft to 6261 ft
Data: PARITY 1-34\Well Based\R1 CASING SPL\I
Plot File: \\-LOCAL-\\PARITY 1-34\Well Based\ACRT\ACRT_2_lib

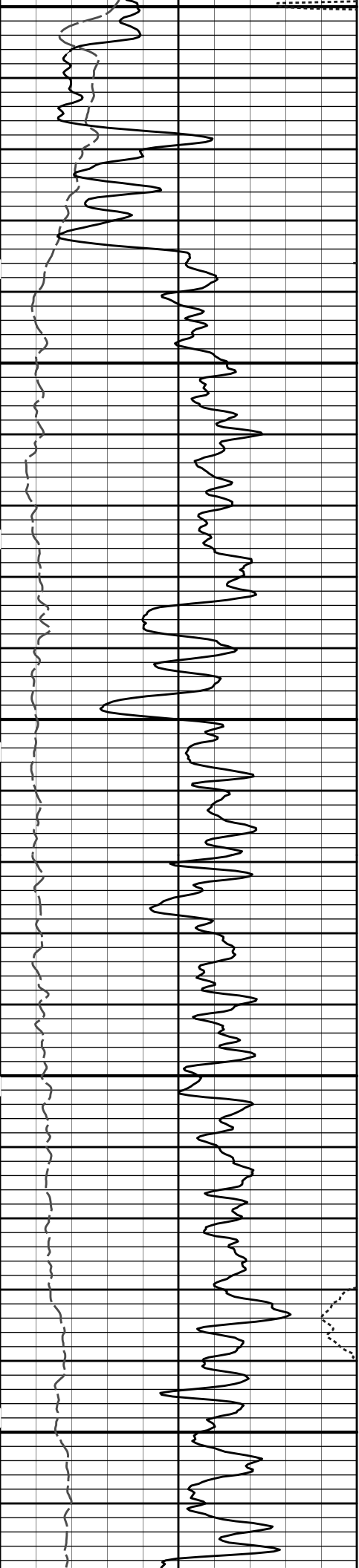
2 INCH MAIN LOG

HALLIBURTON

Plot Time: 13-Mar-14 10:17:00
Plot Range: 1590 ft to 6261 ft
Data: PARITY 1-34\Well Based\R1 CASING SPL\I
Plot File: \\-LOCAL-\\PARITY 1-34\Well Based\ACRT\ACRT_5_main_lib

5 INCH MAIN LOG

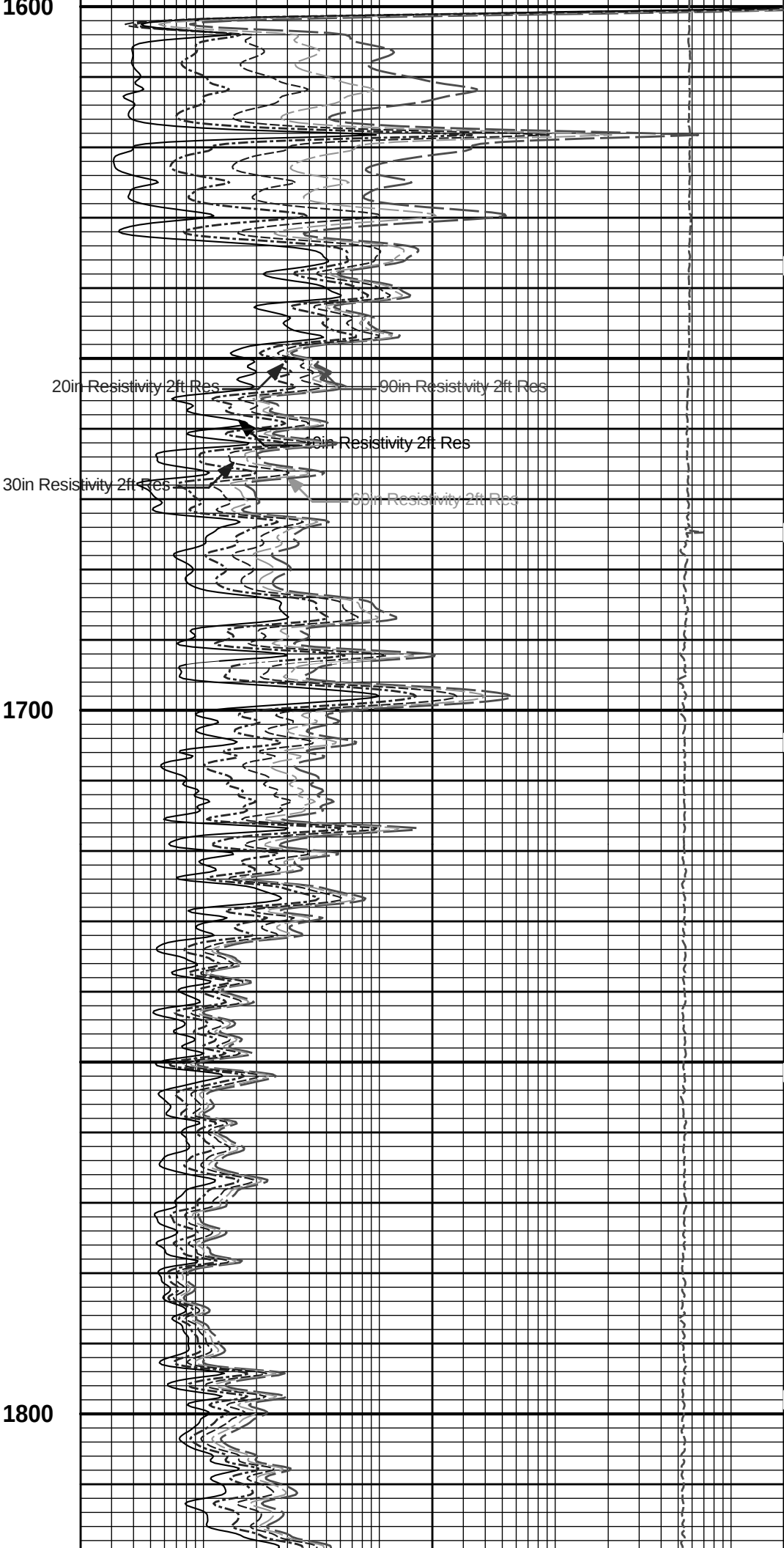


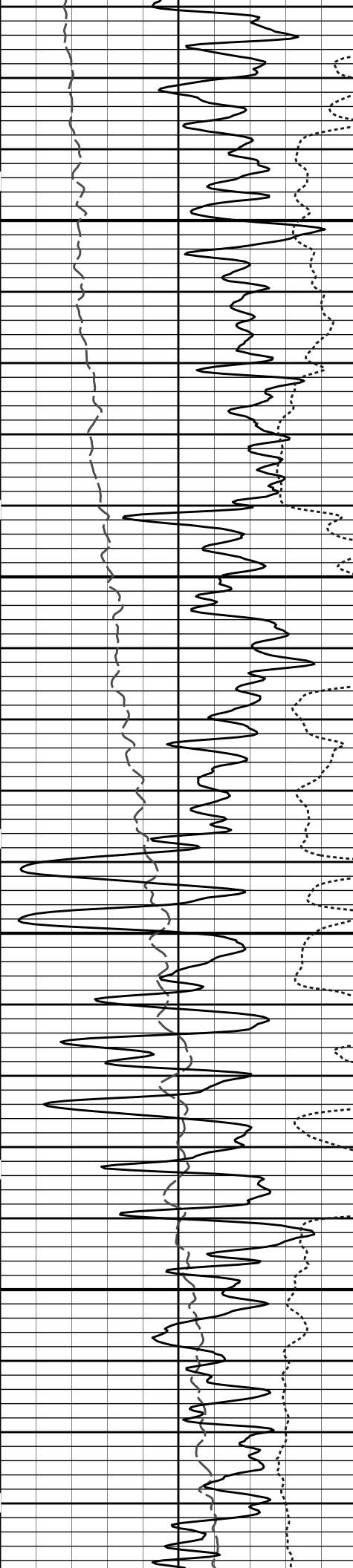


1600

1700

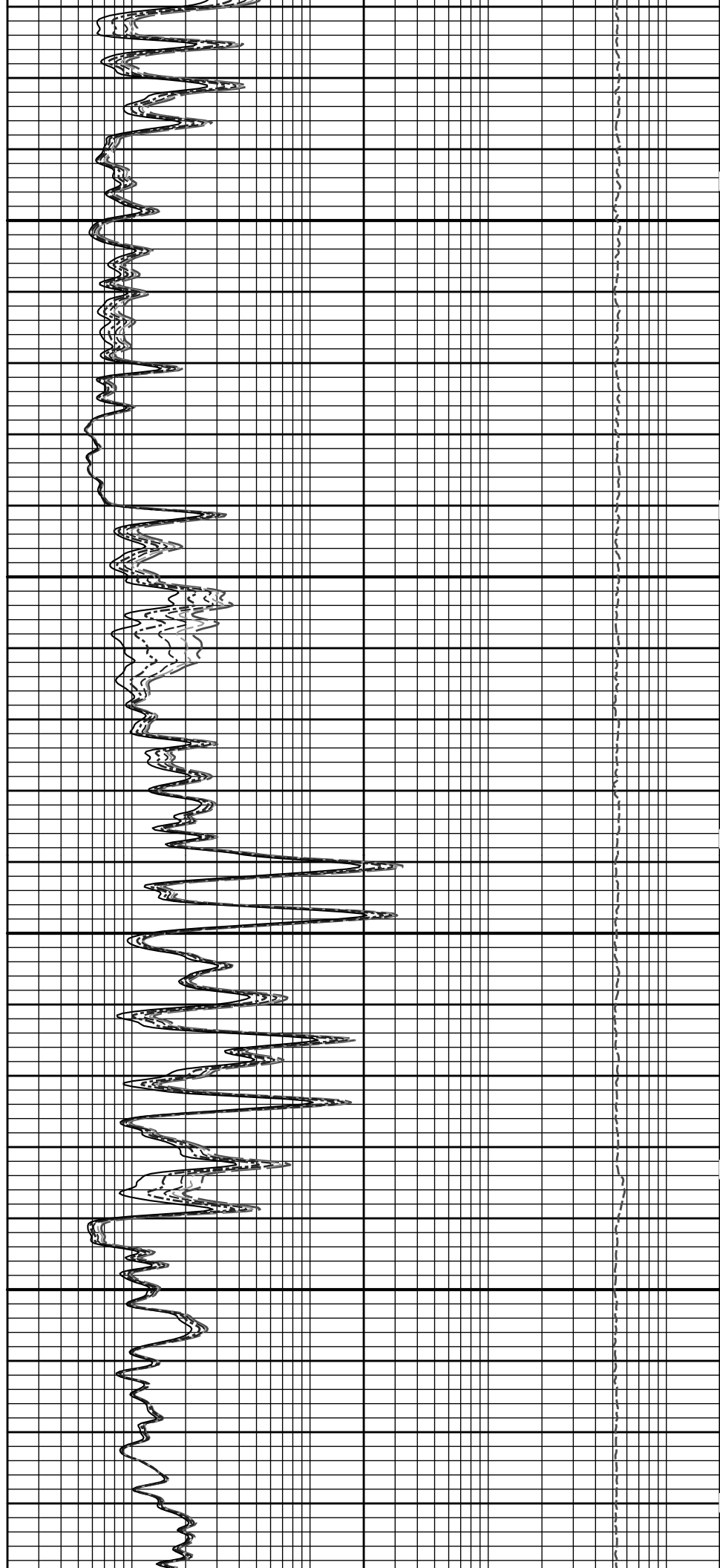
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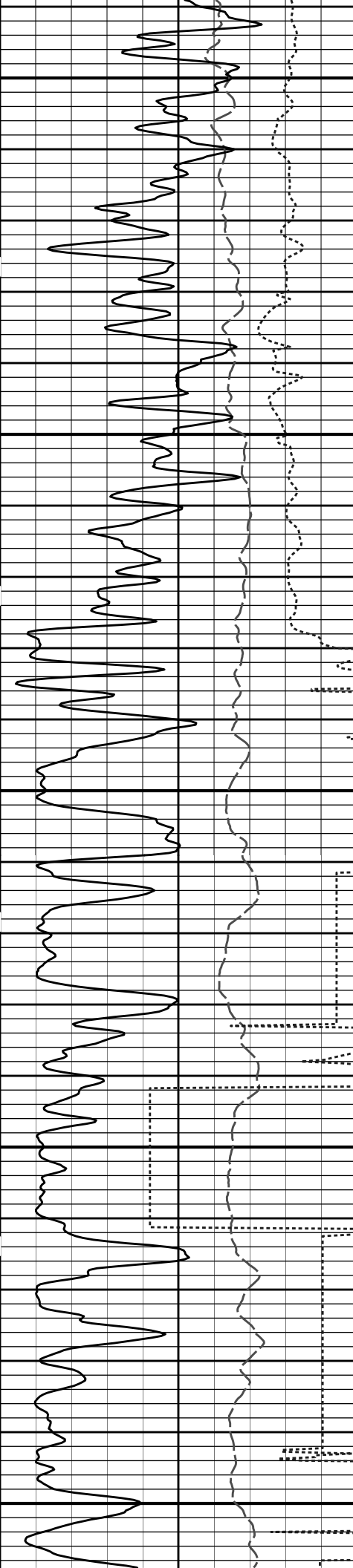




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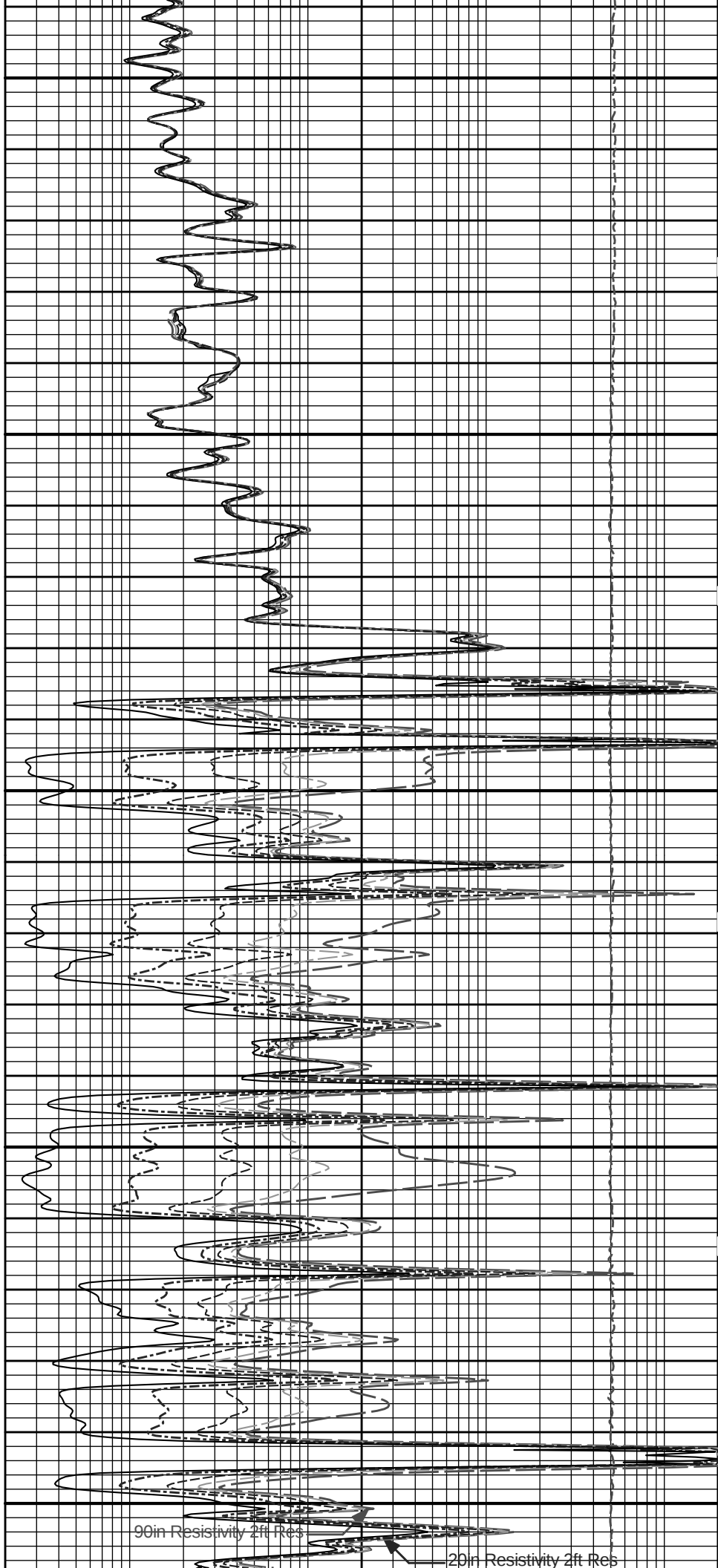
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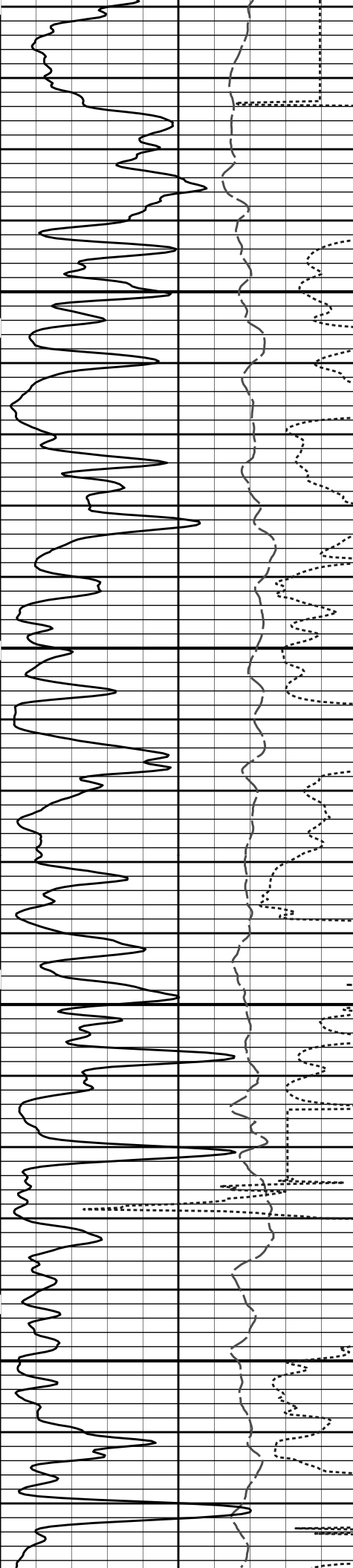
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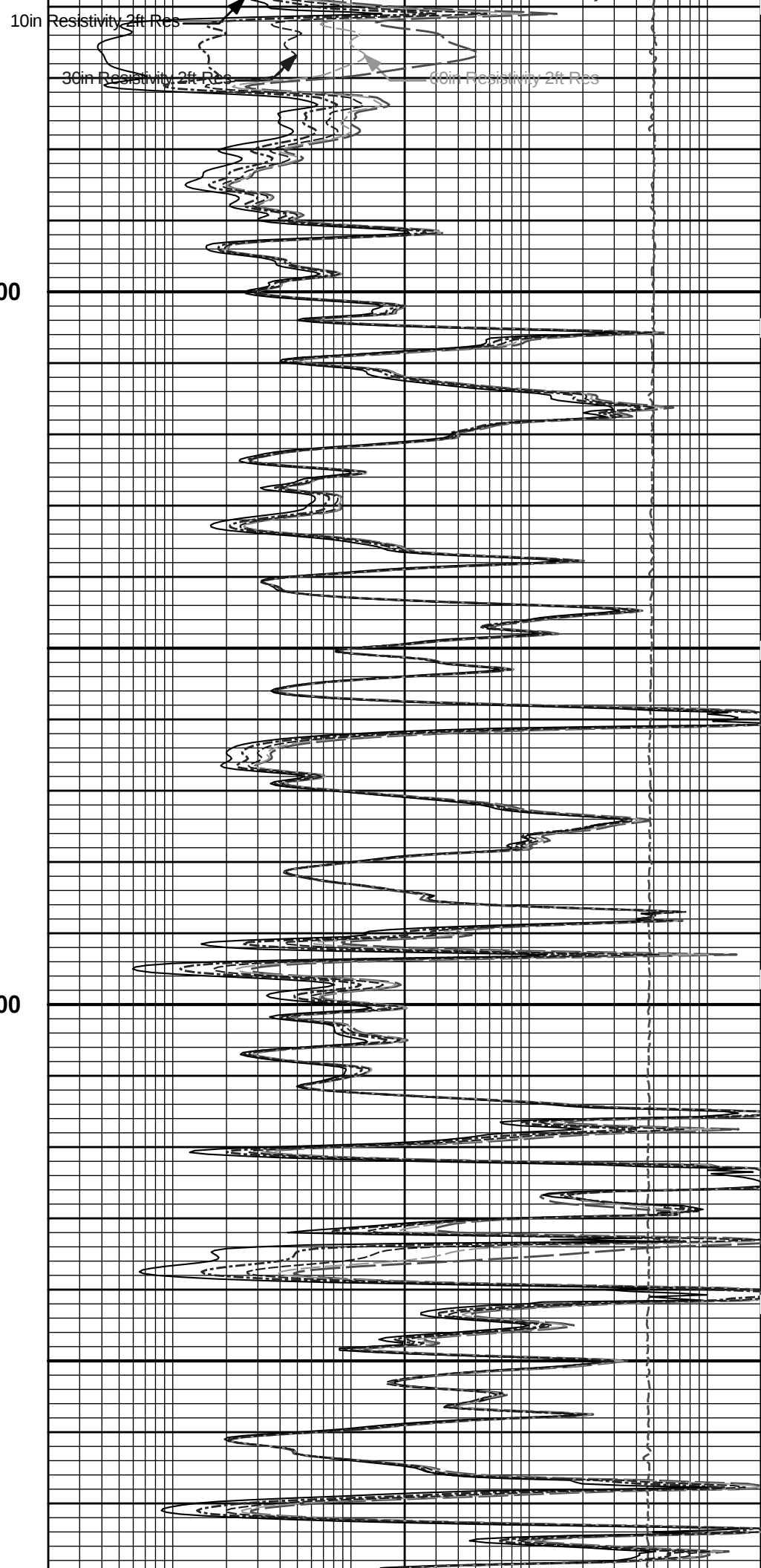
90in Resistivity 2ft Res

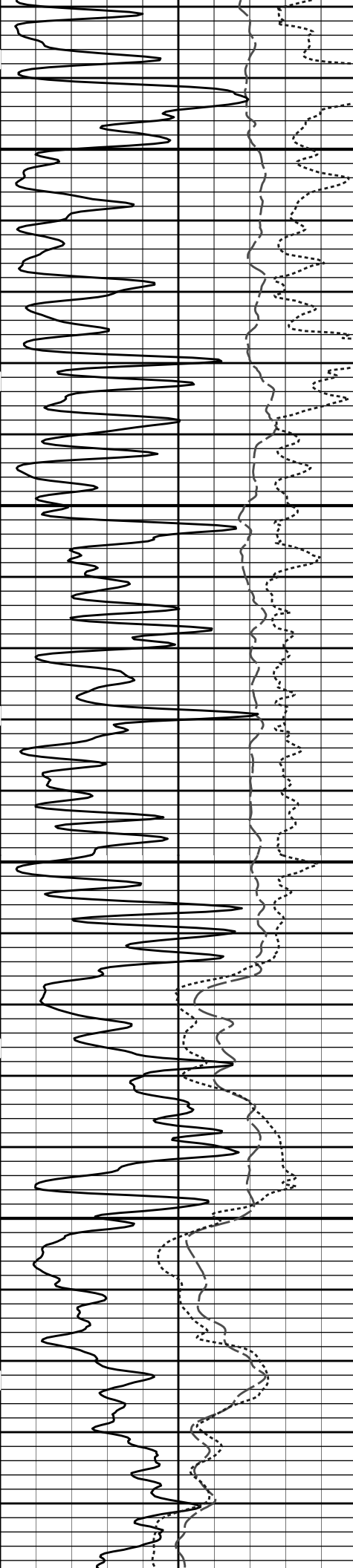
20in Resistivity 2ft Res



2300

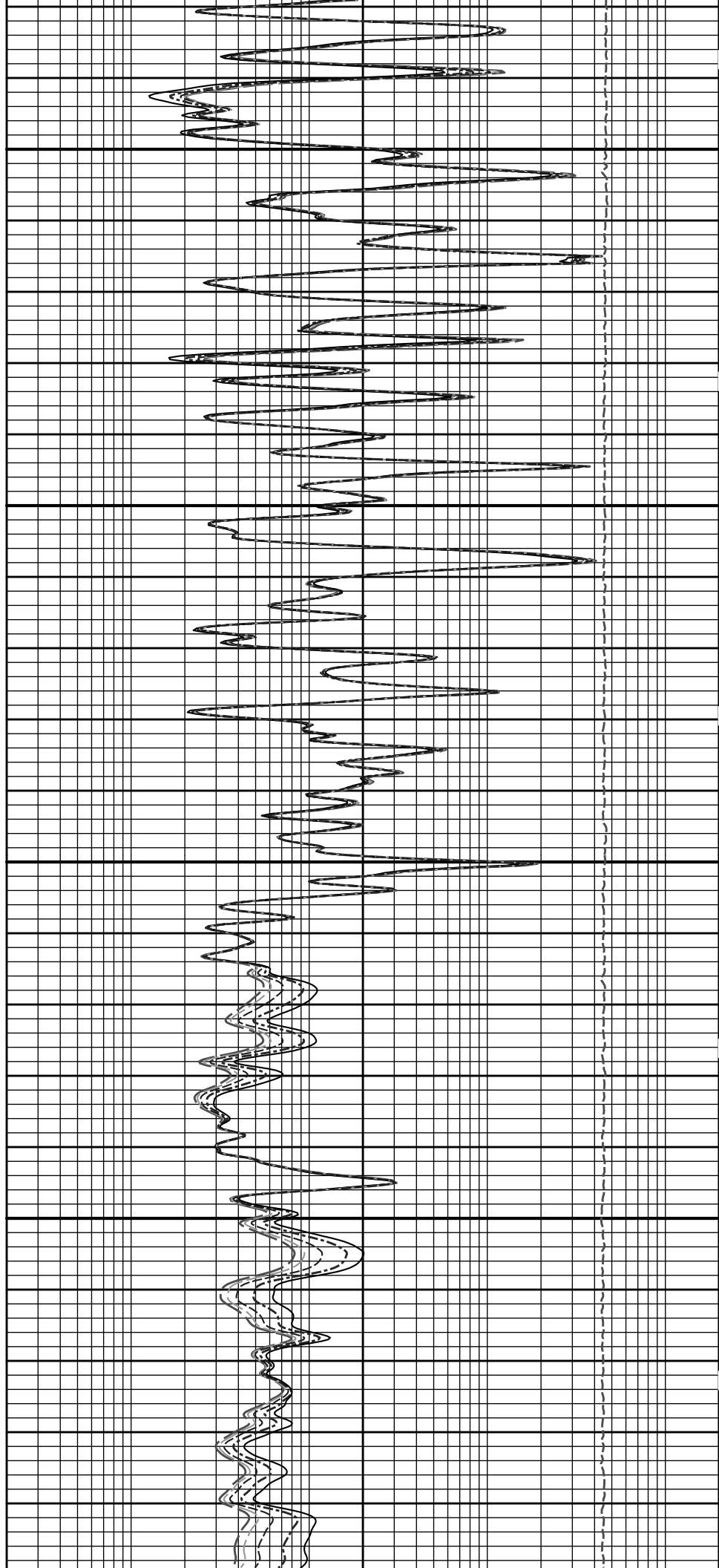
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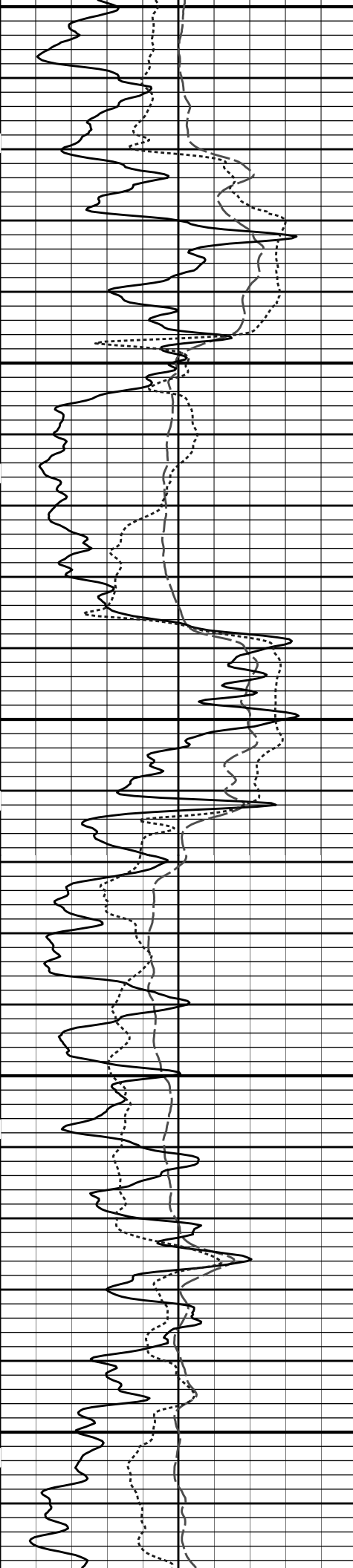




2500

2600

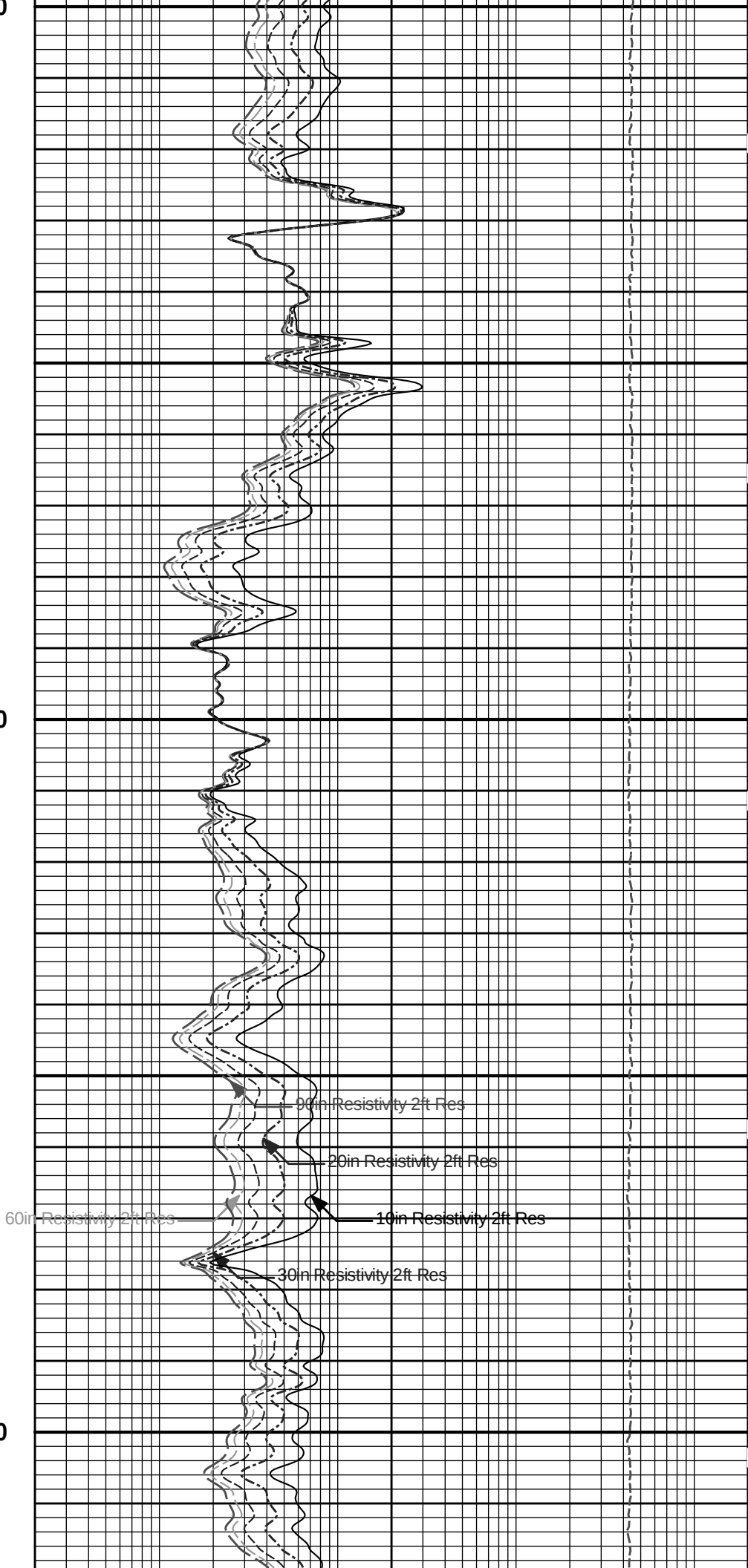


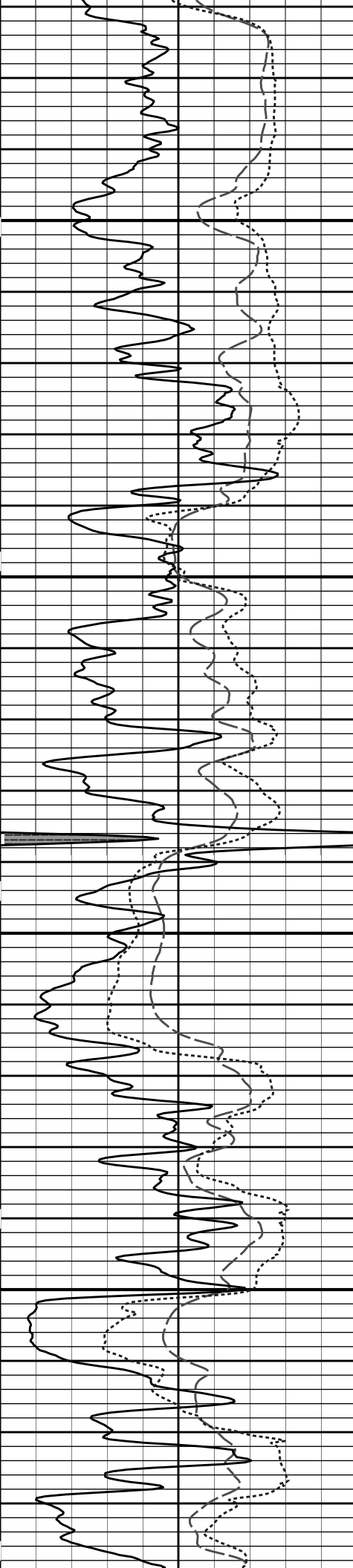


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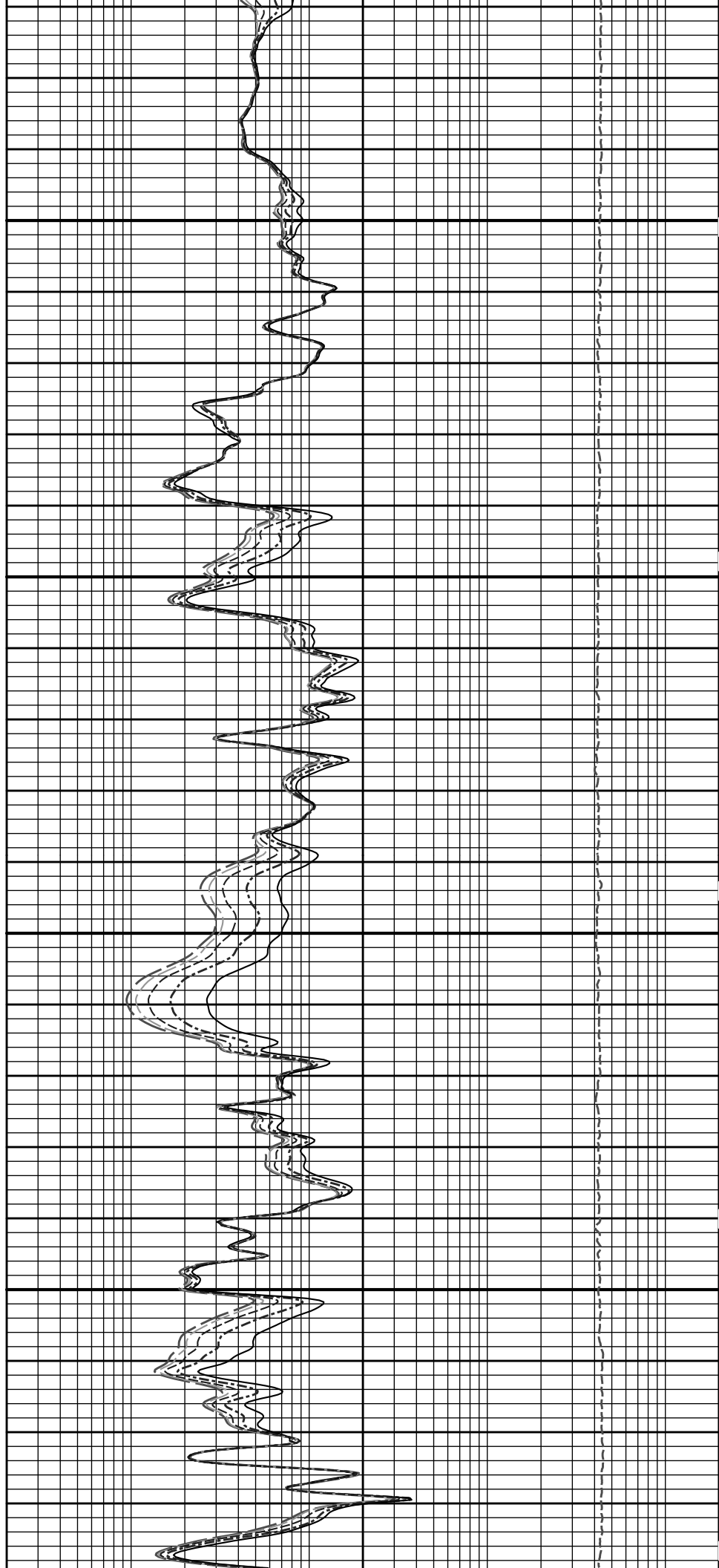
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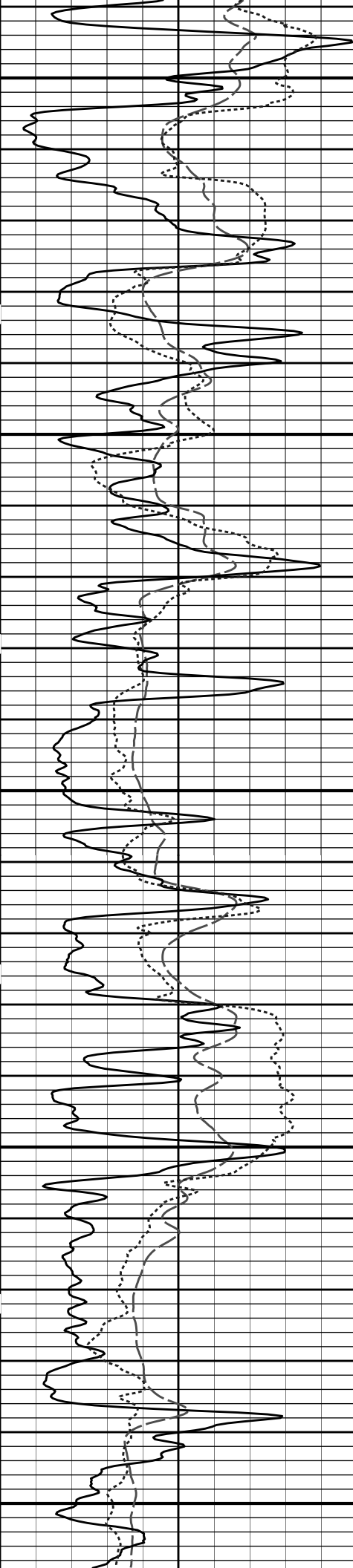




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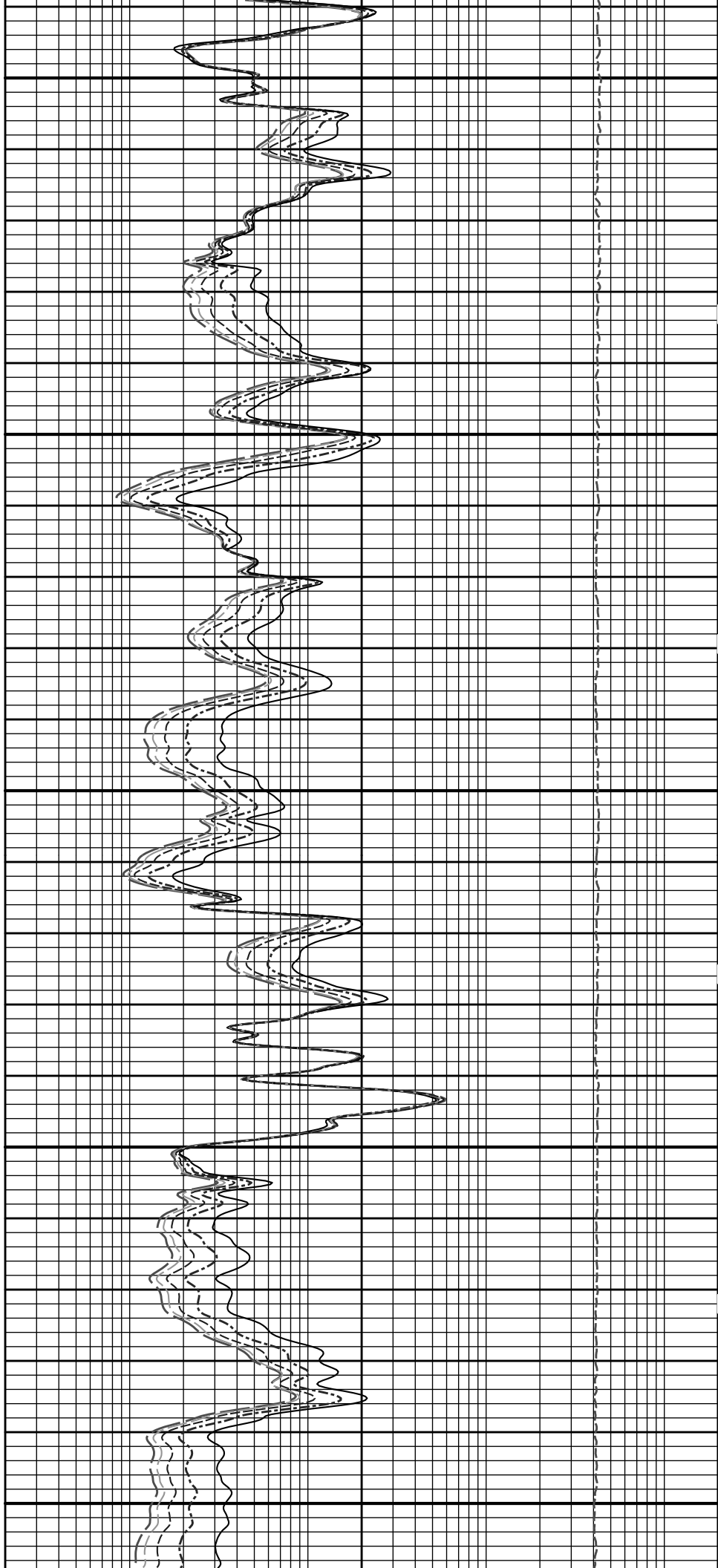
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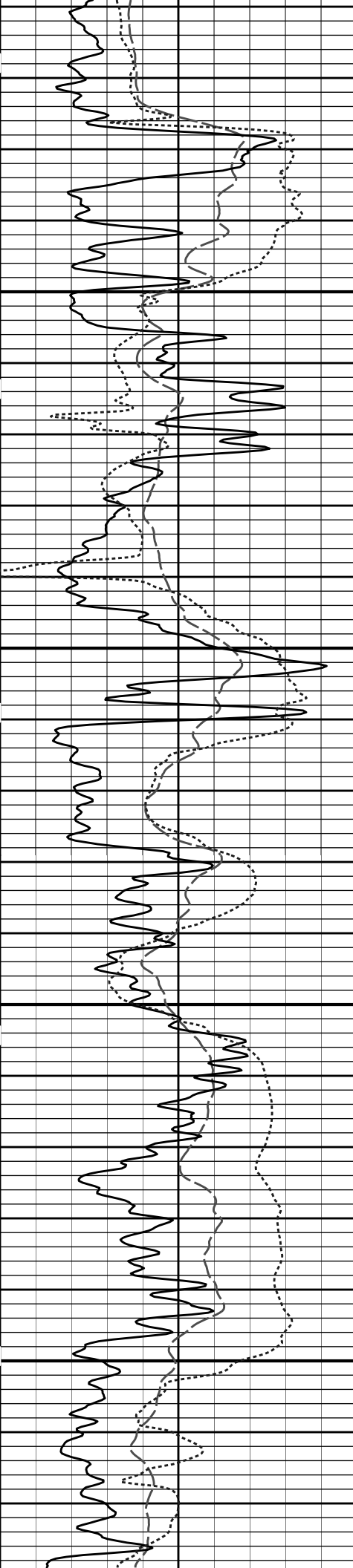




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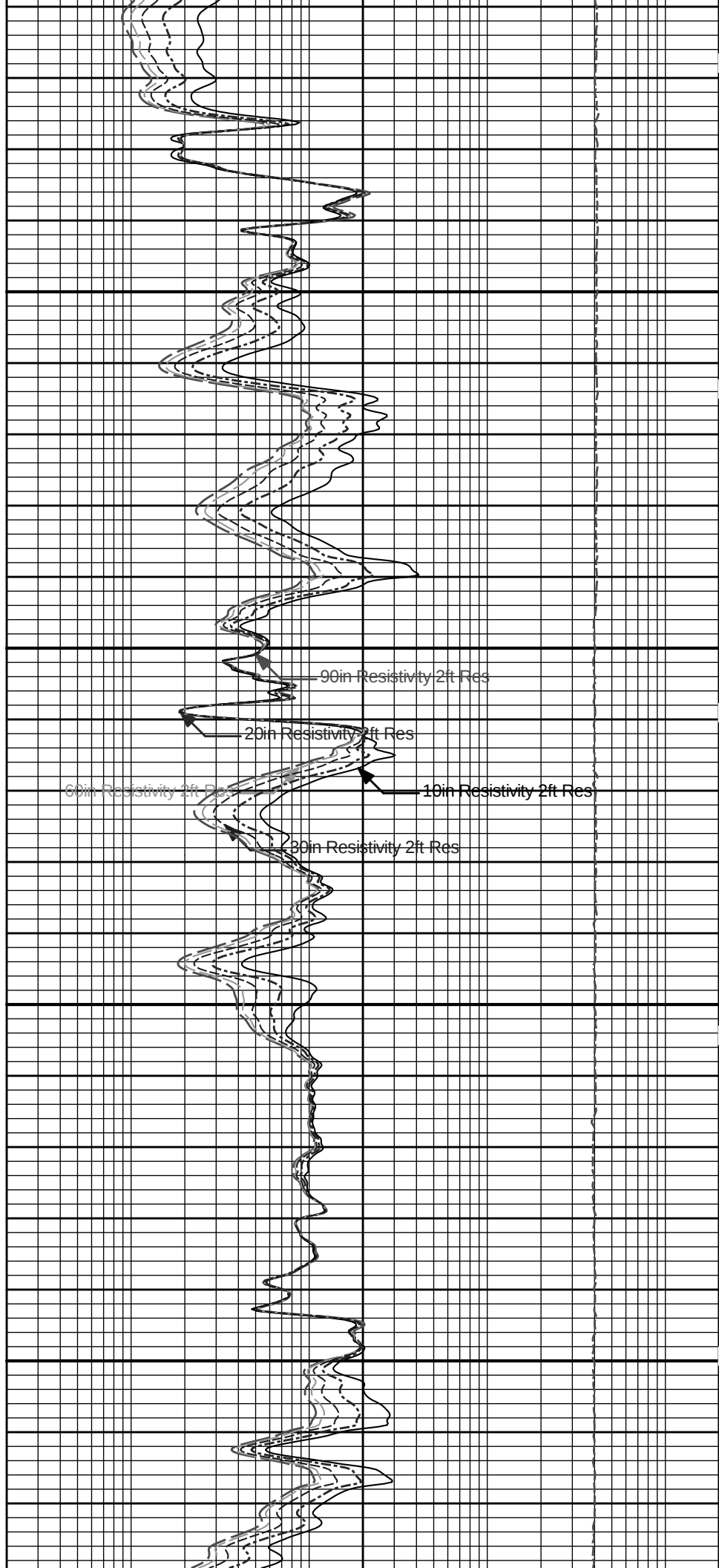
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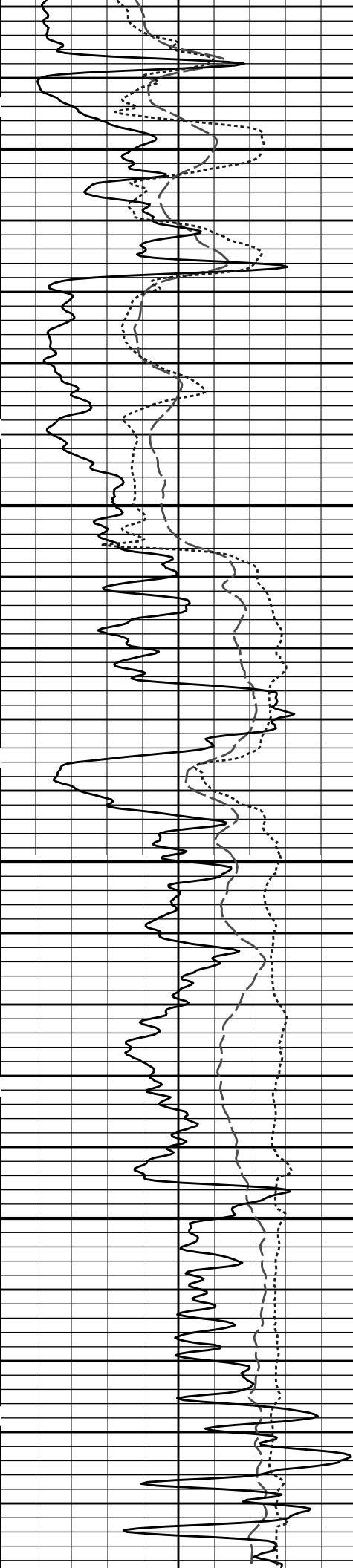




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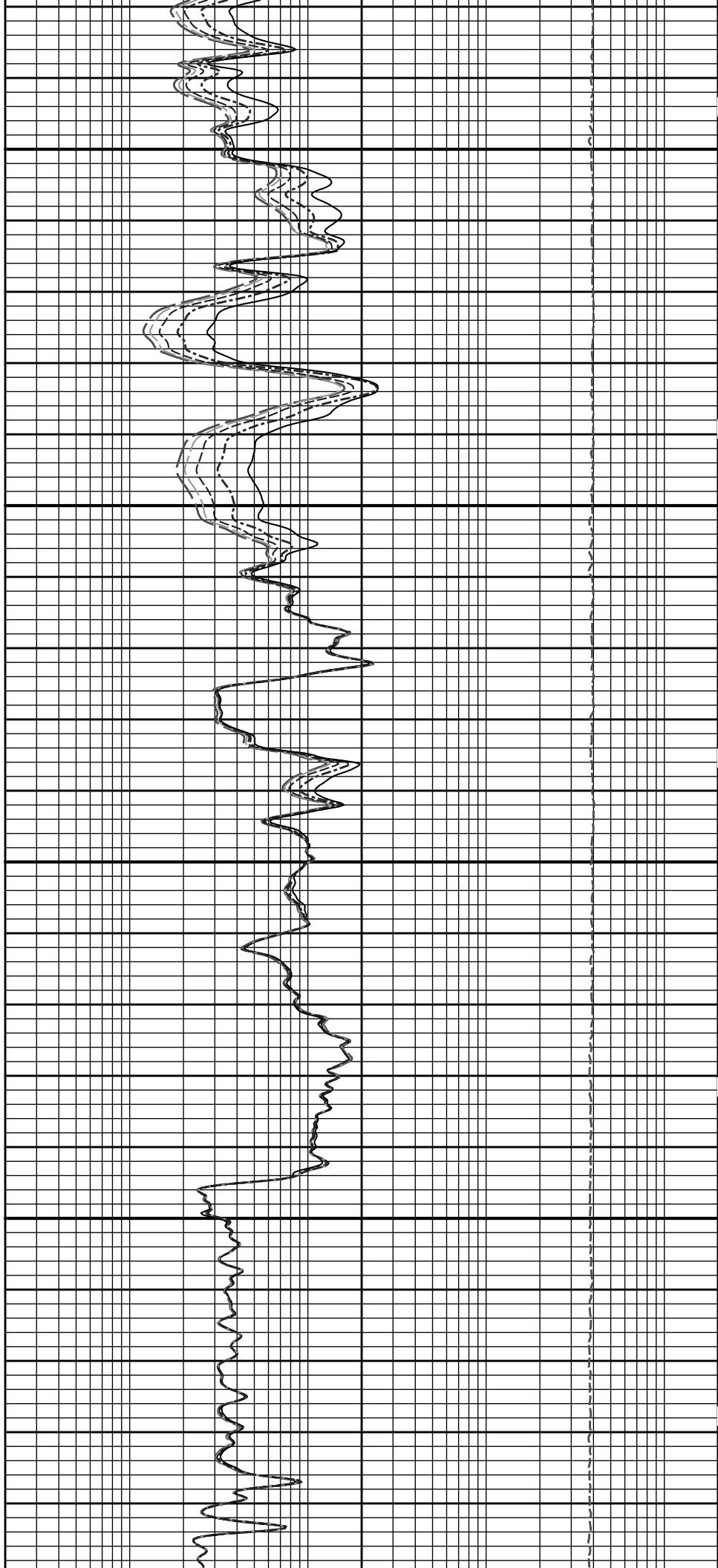


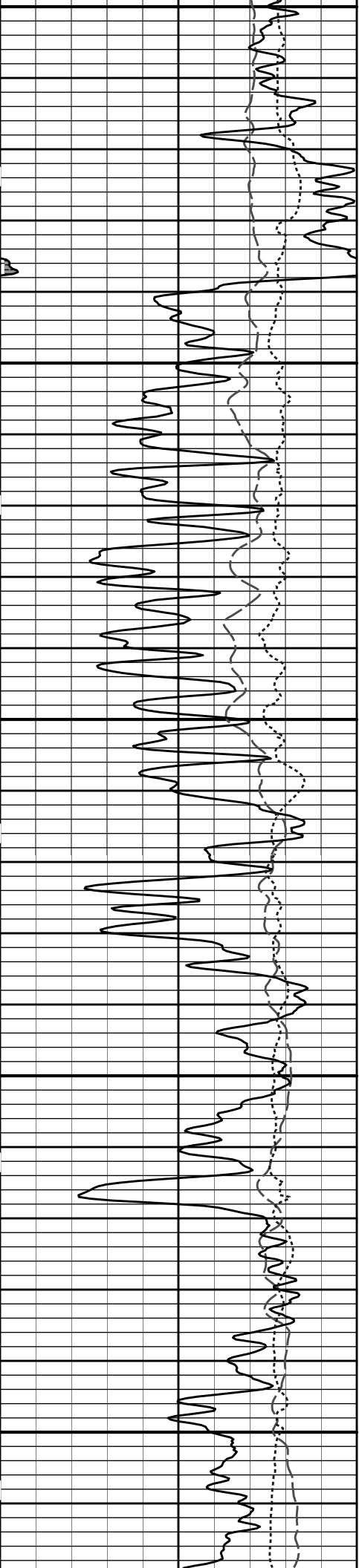


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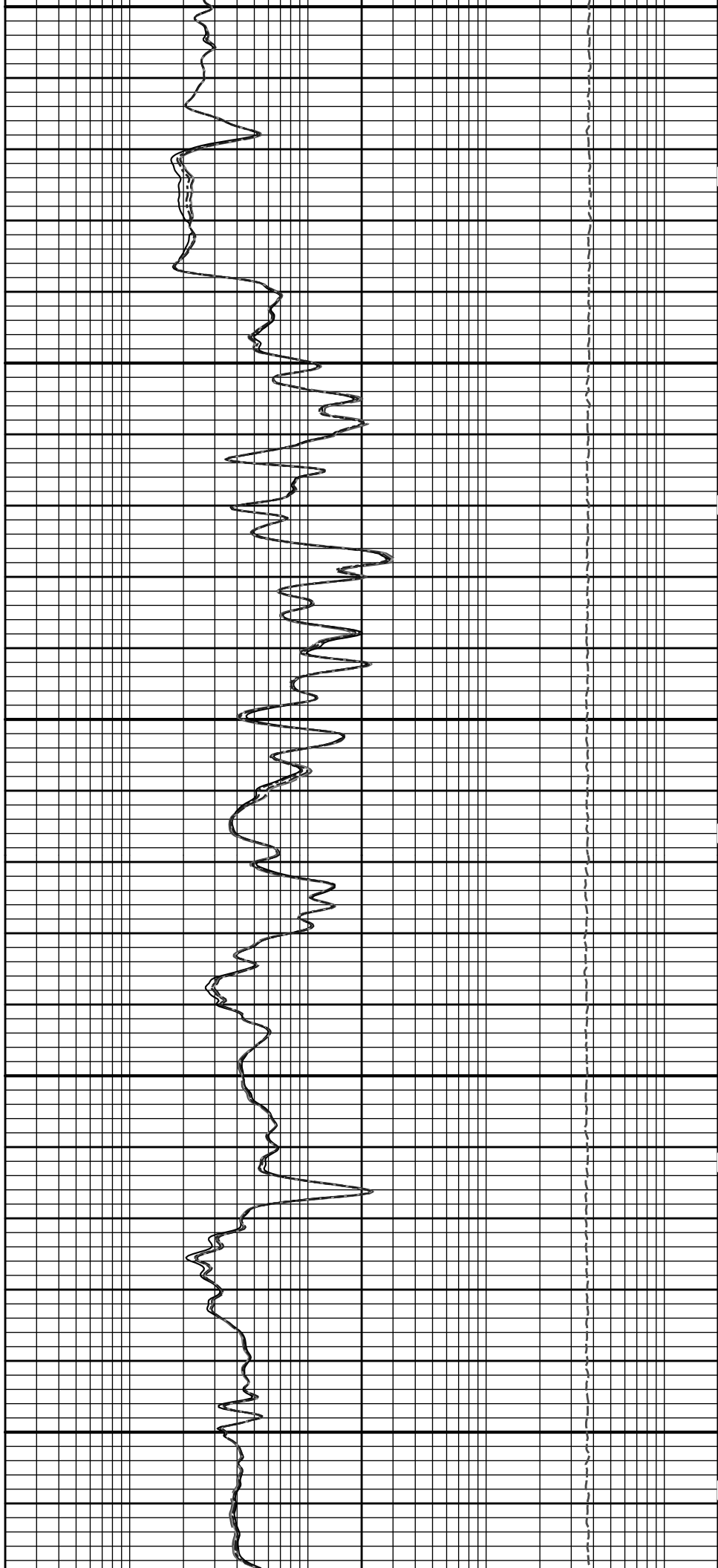


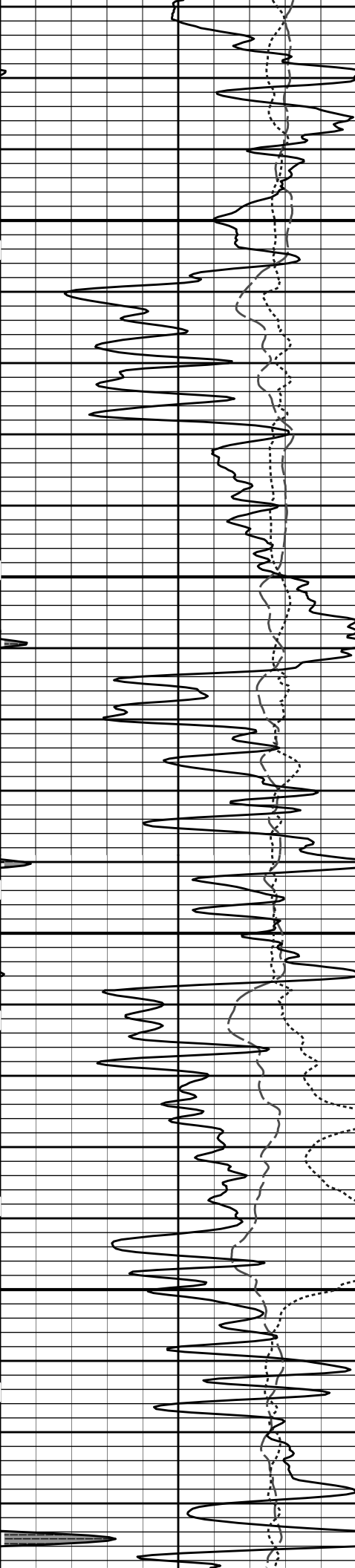


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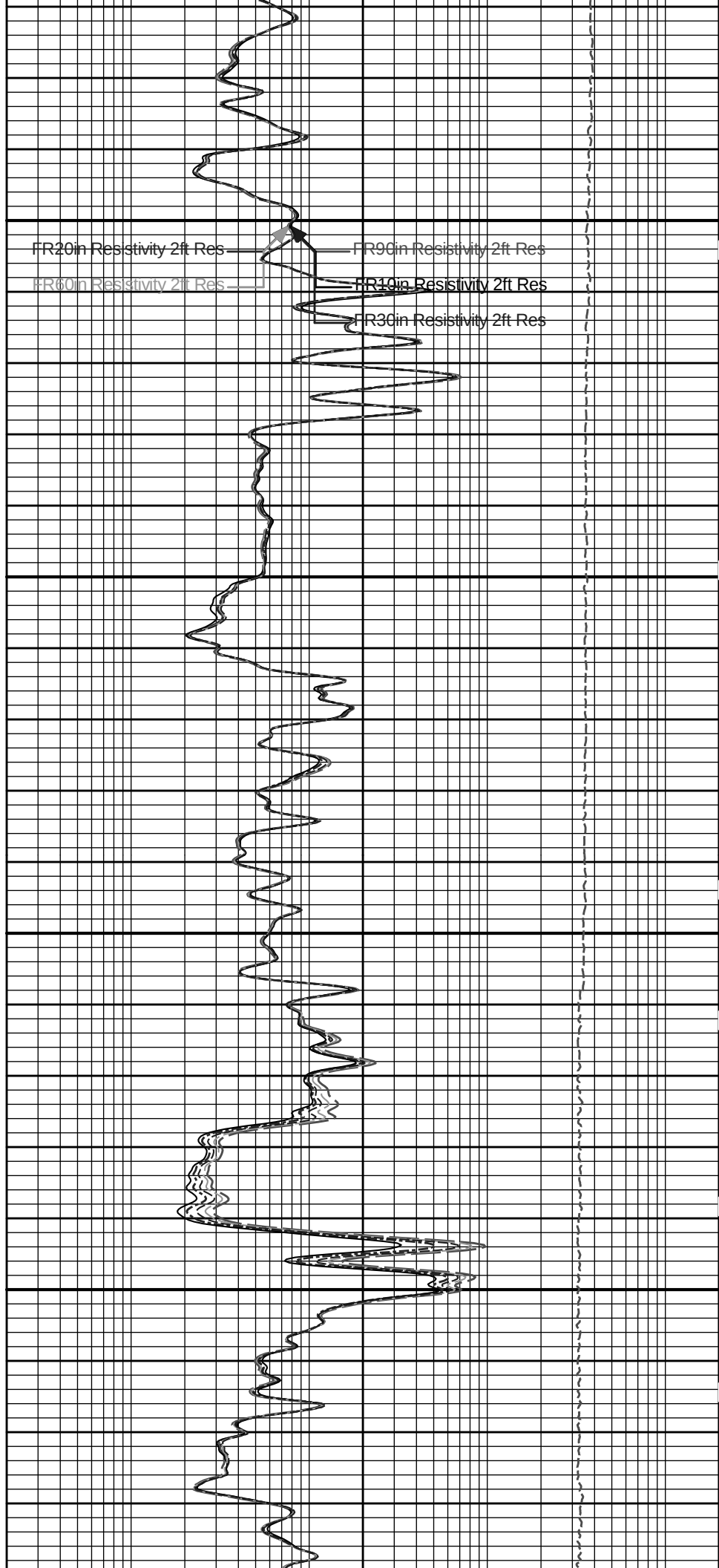
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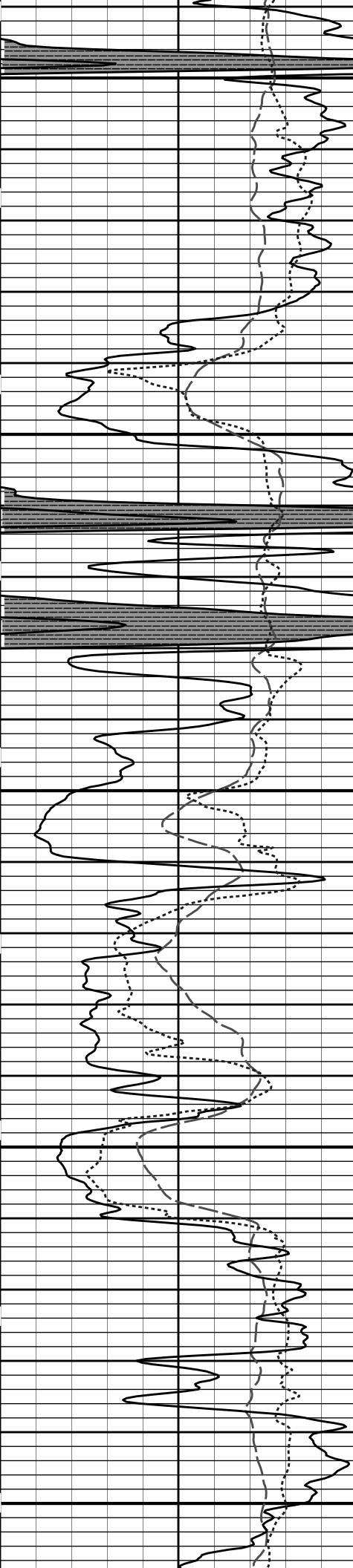




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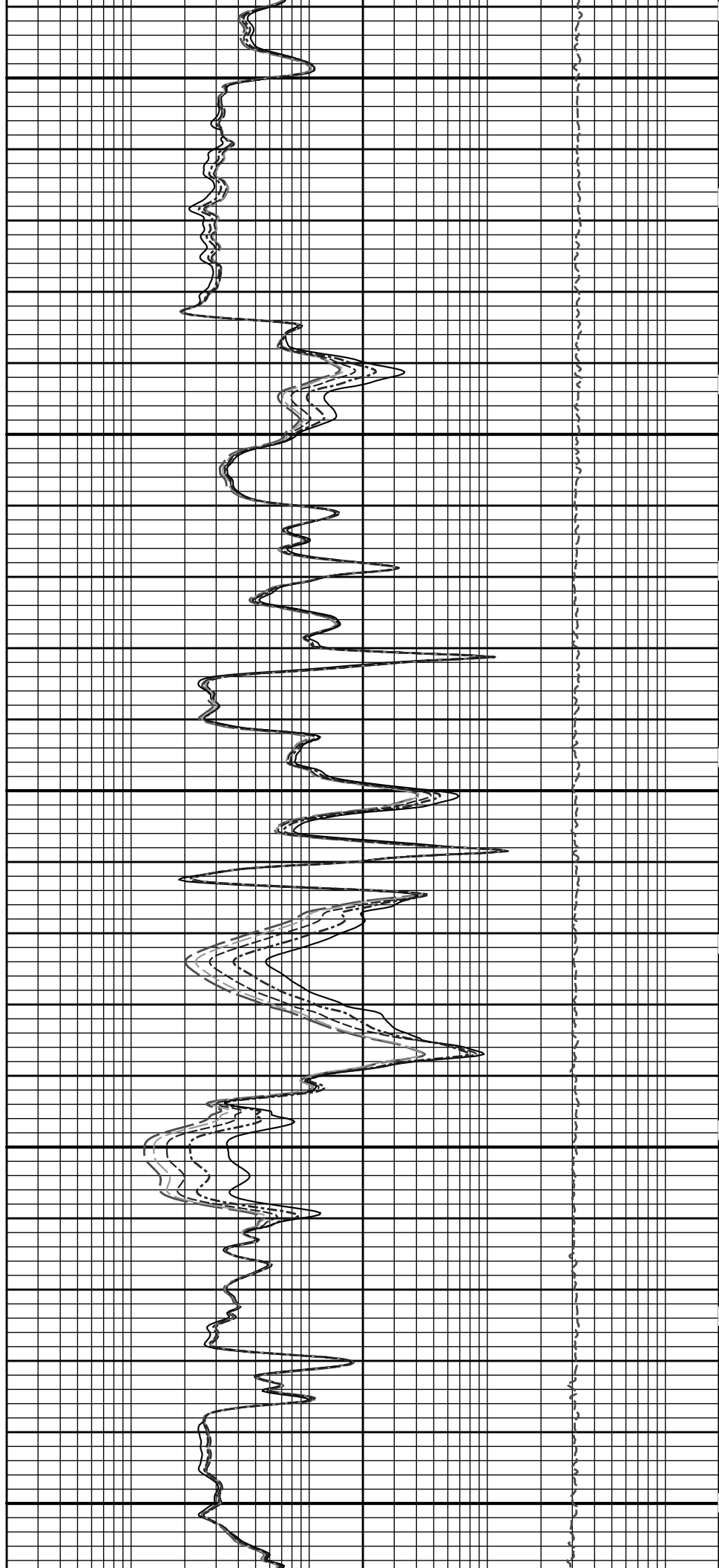
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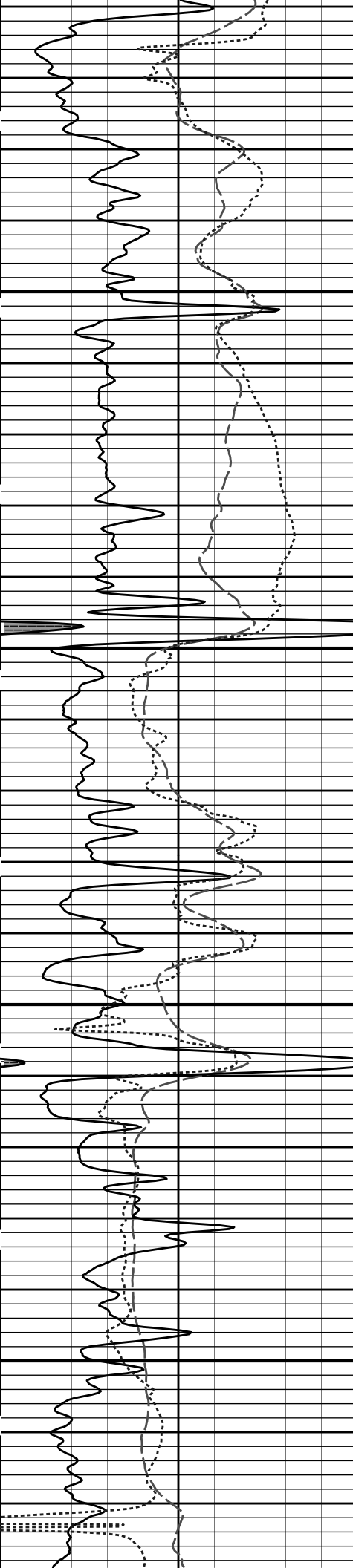




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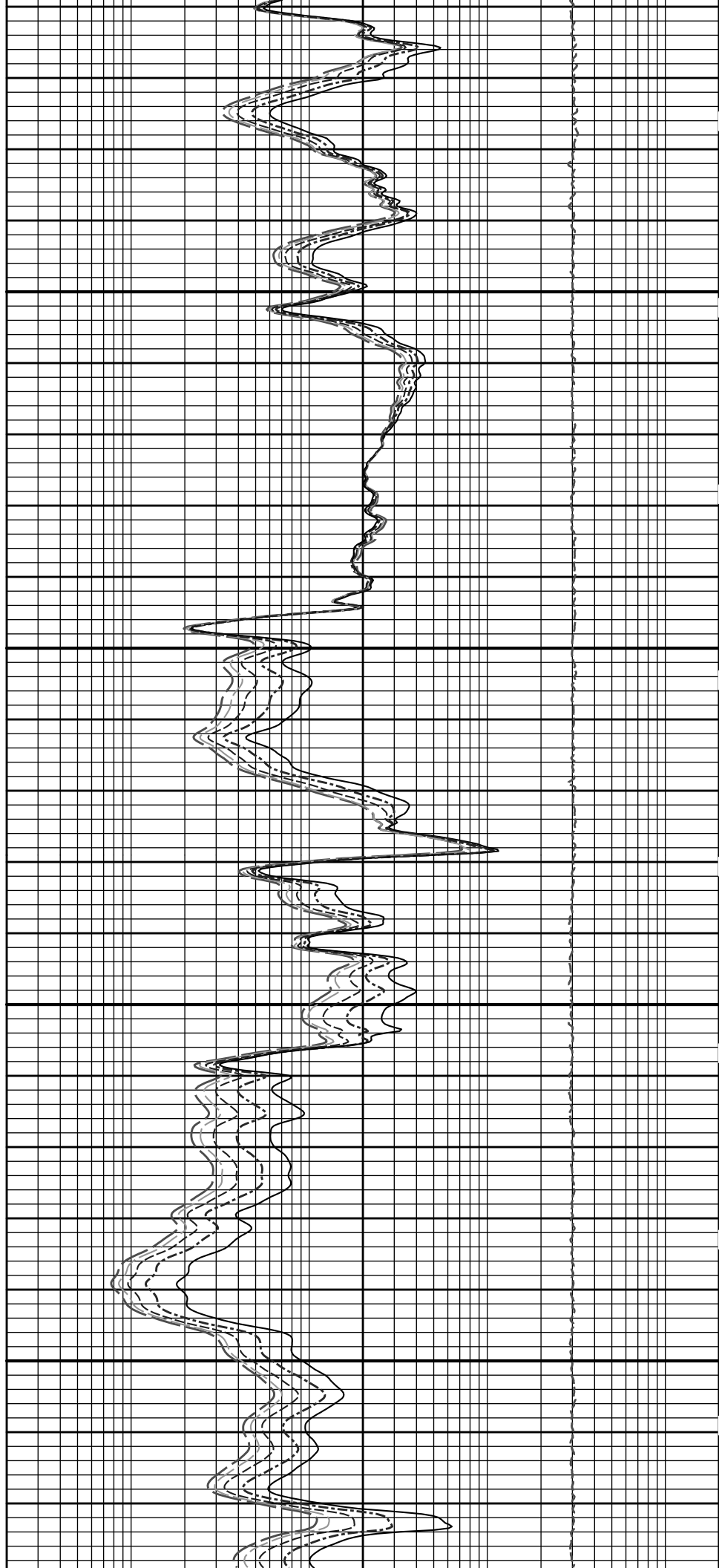
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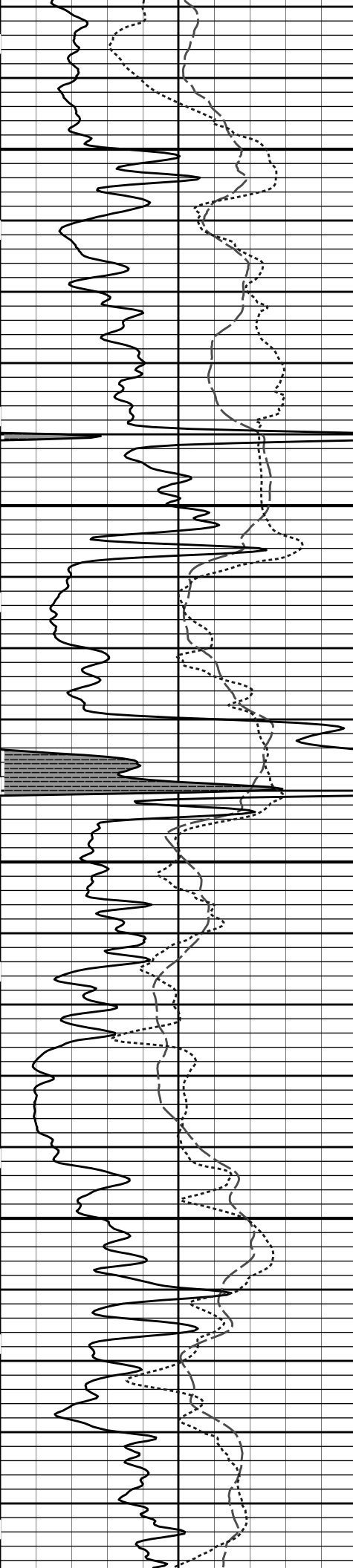




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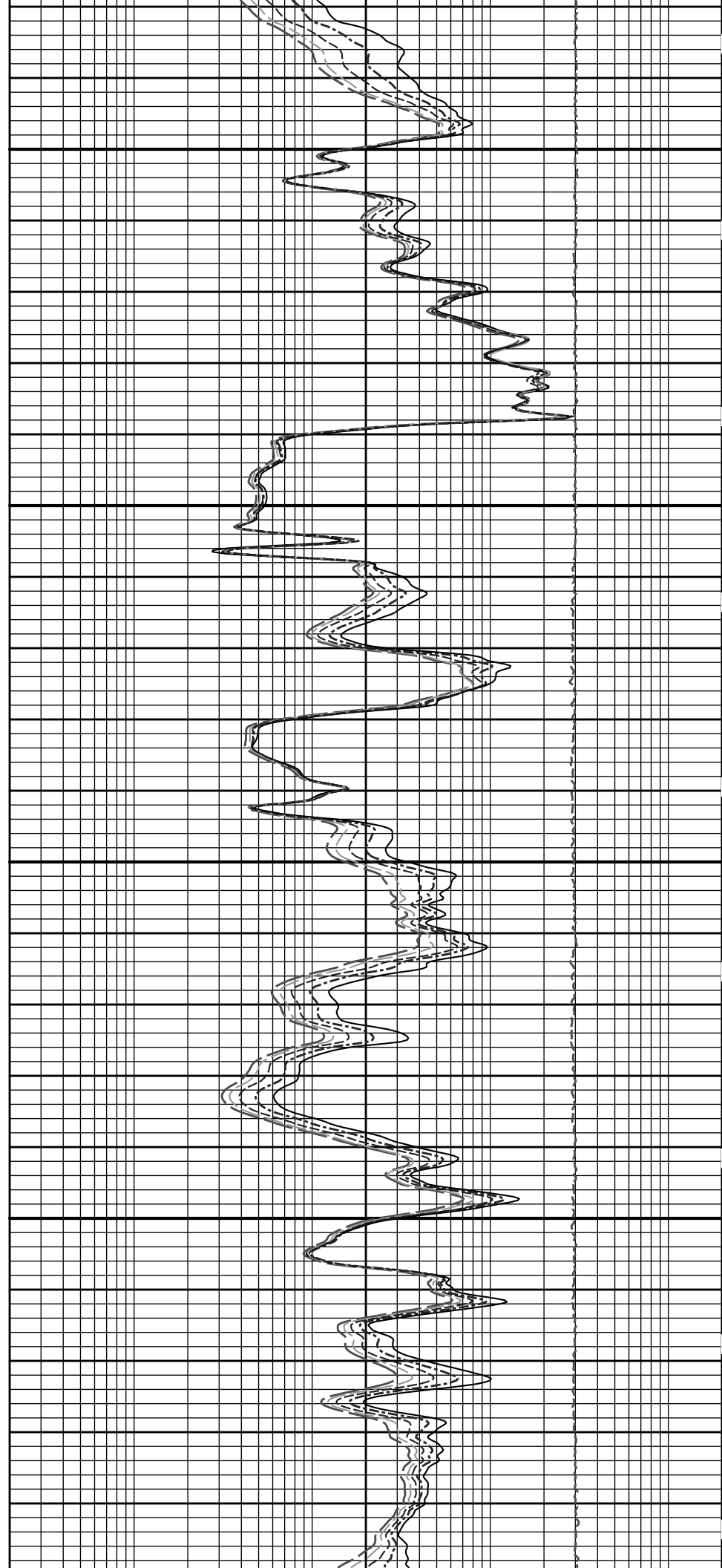


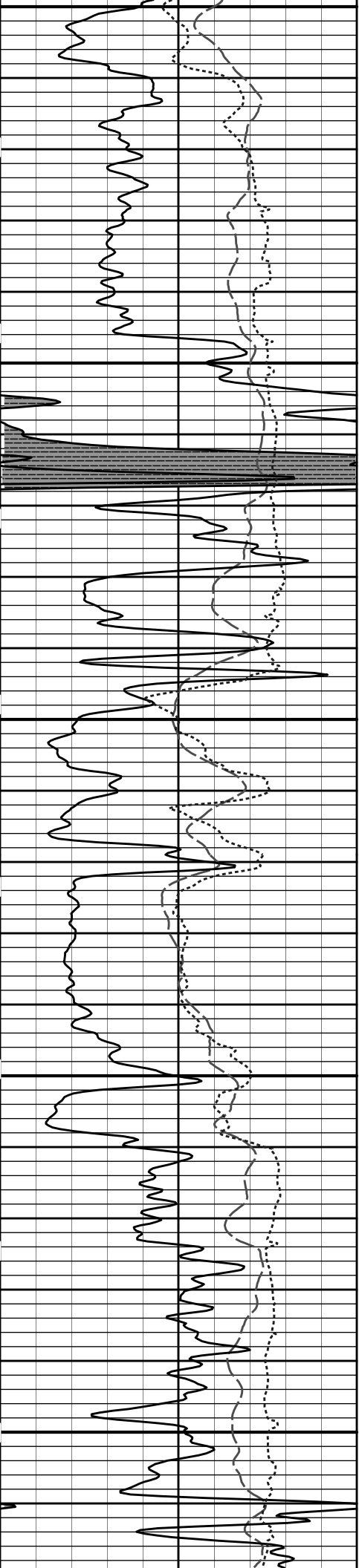


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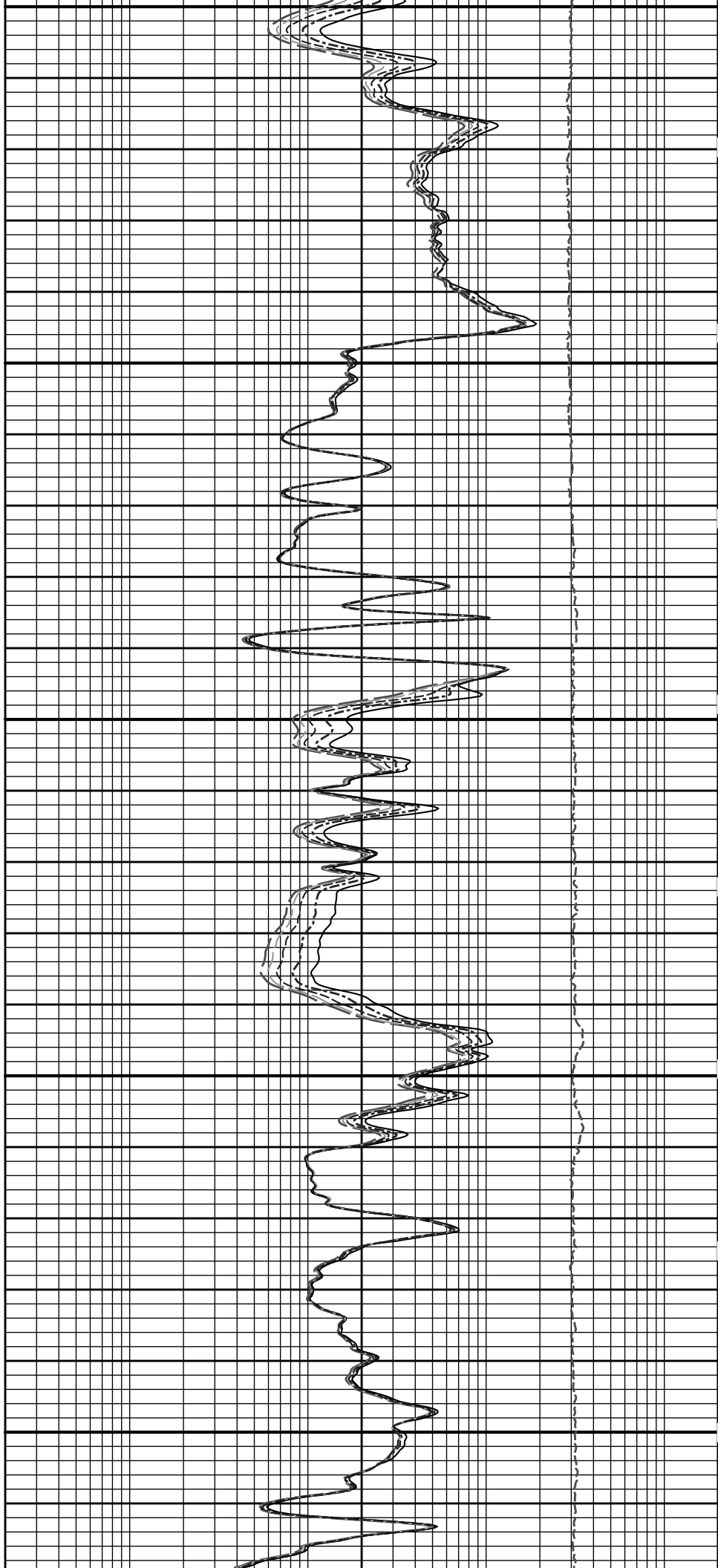


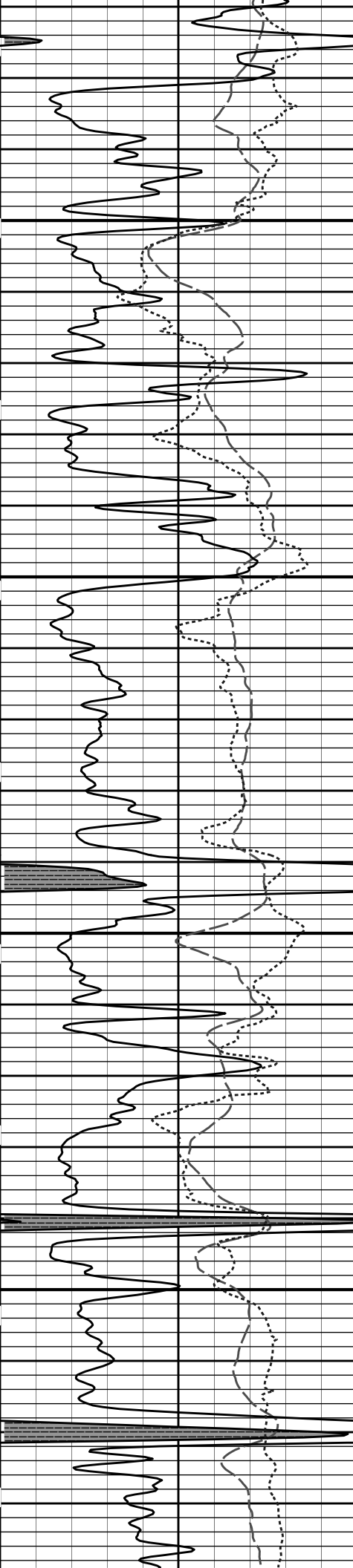


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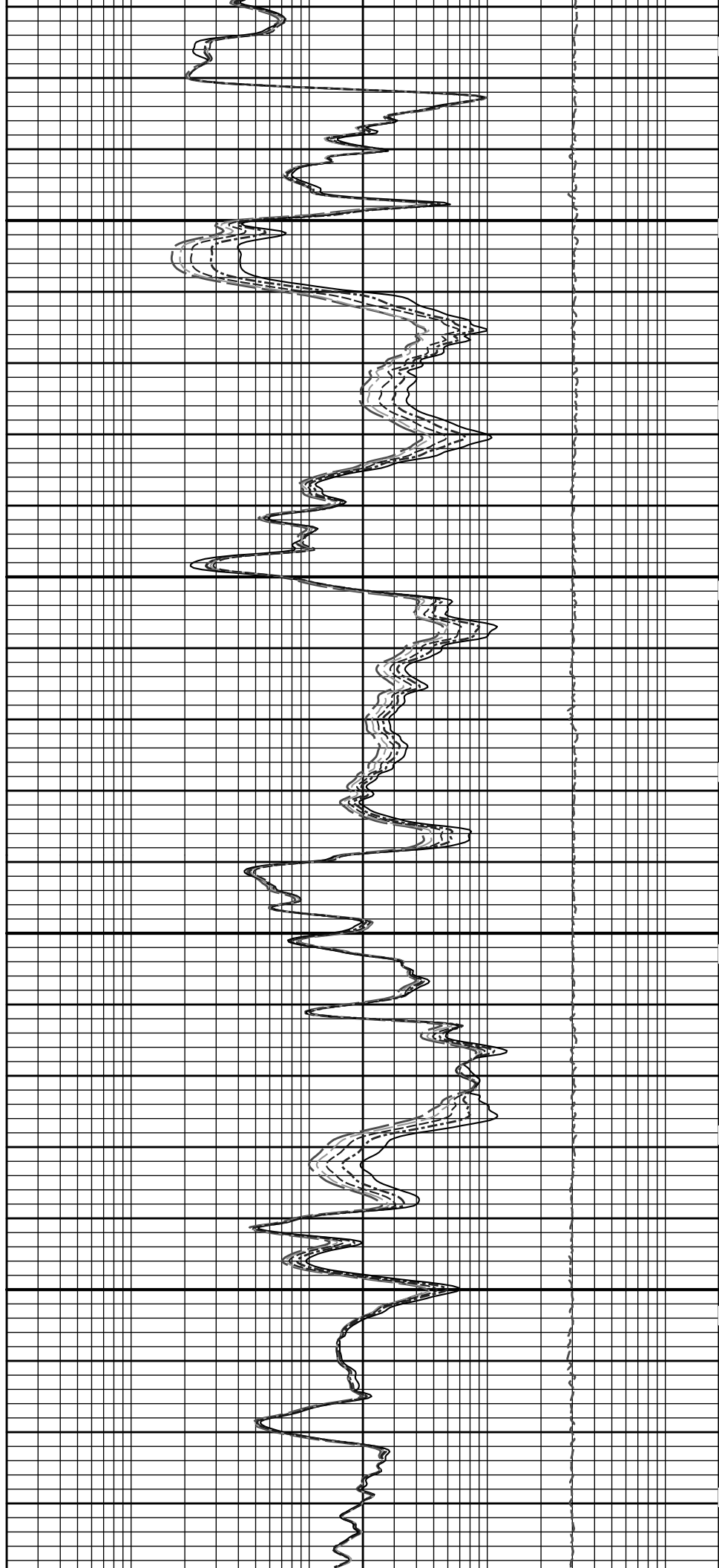
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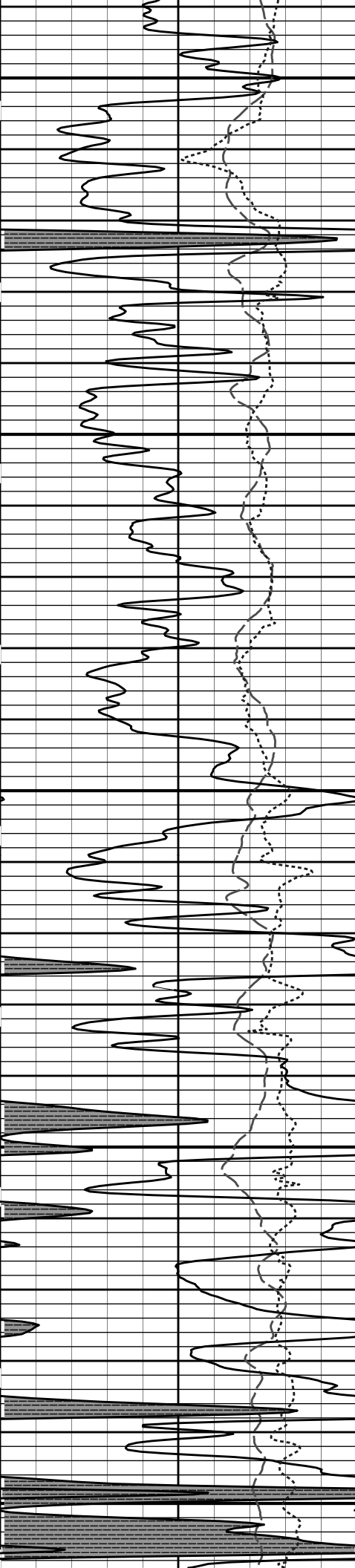




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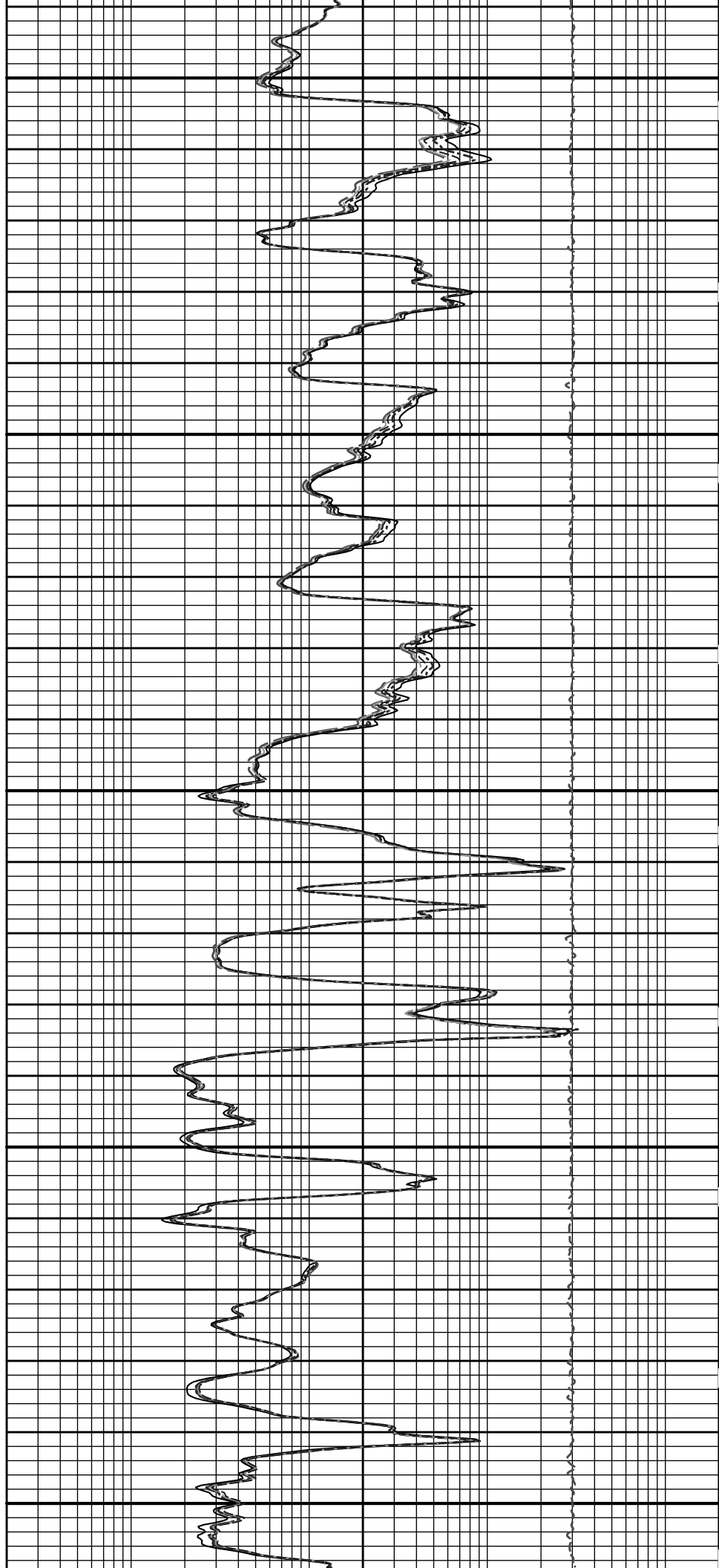
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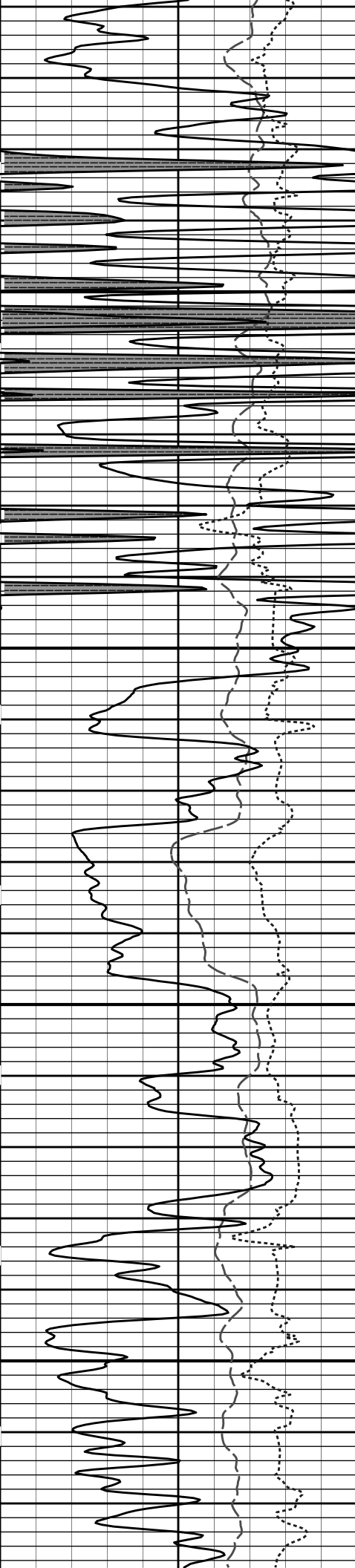




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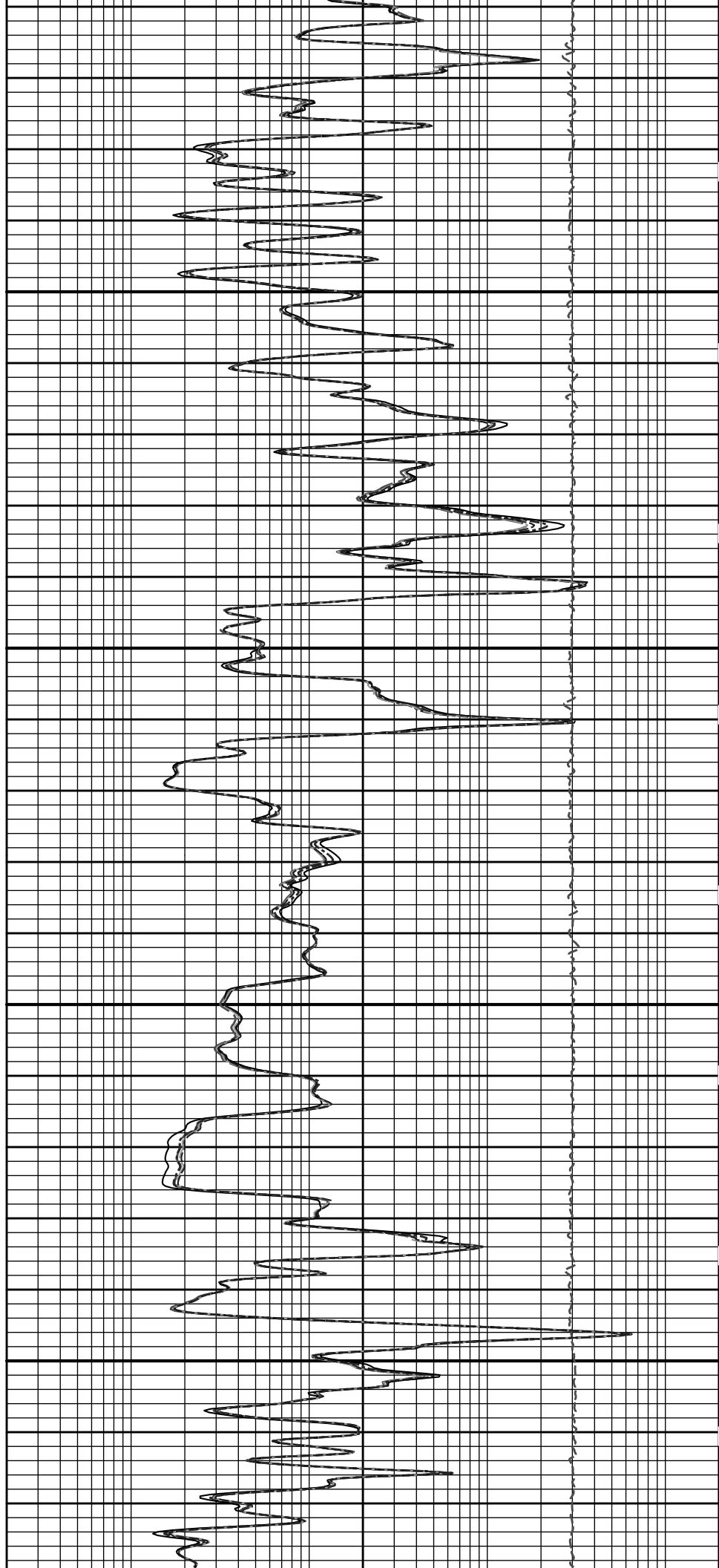
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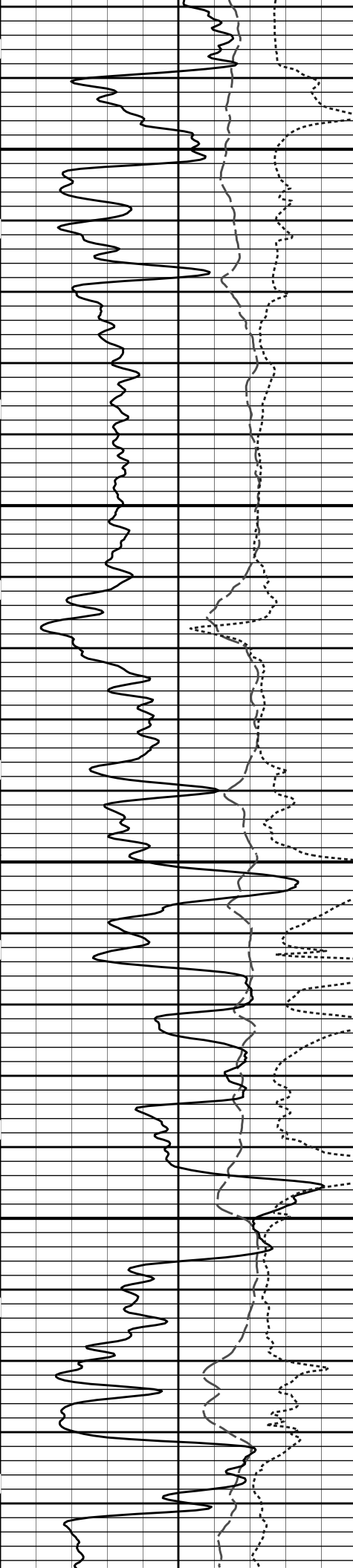




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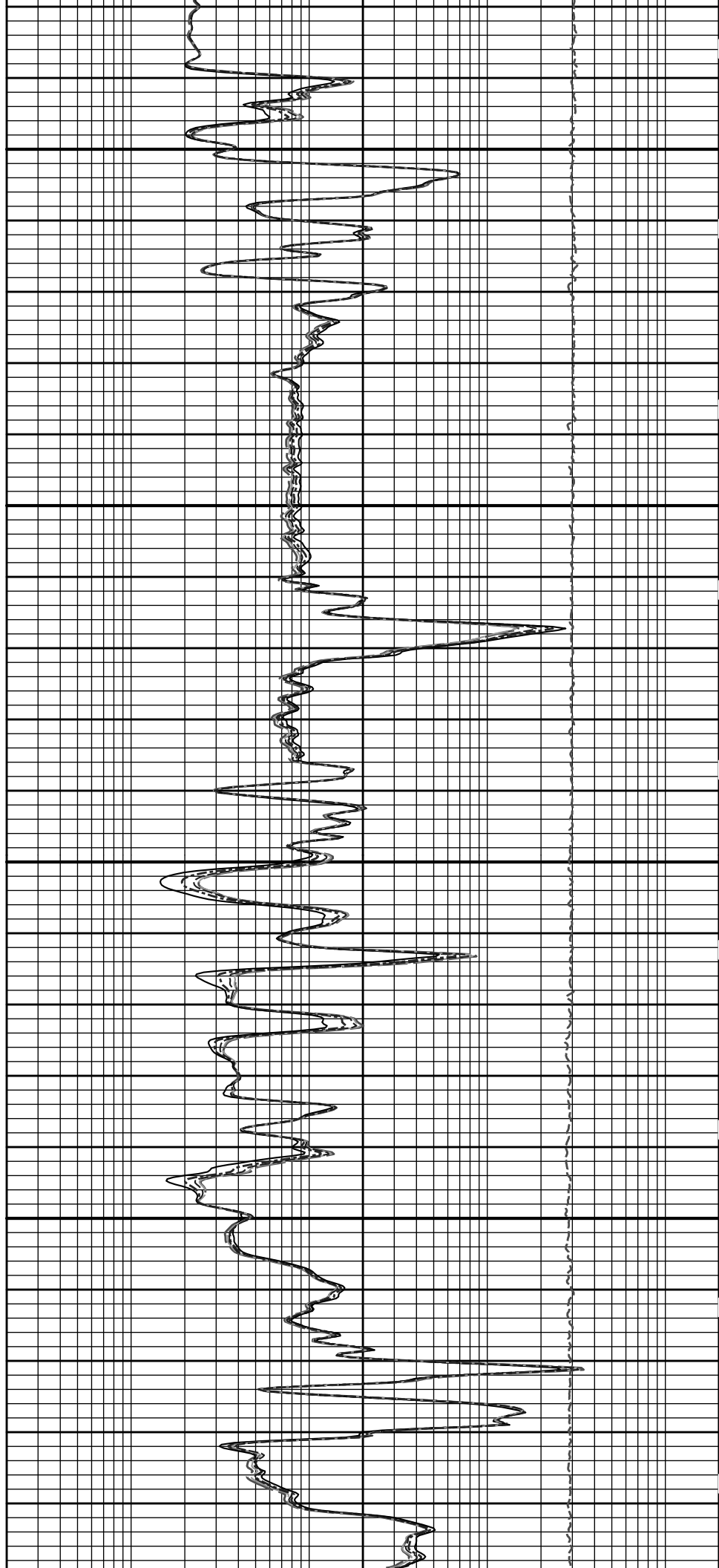


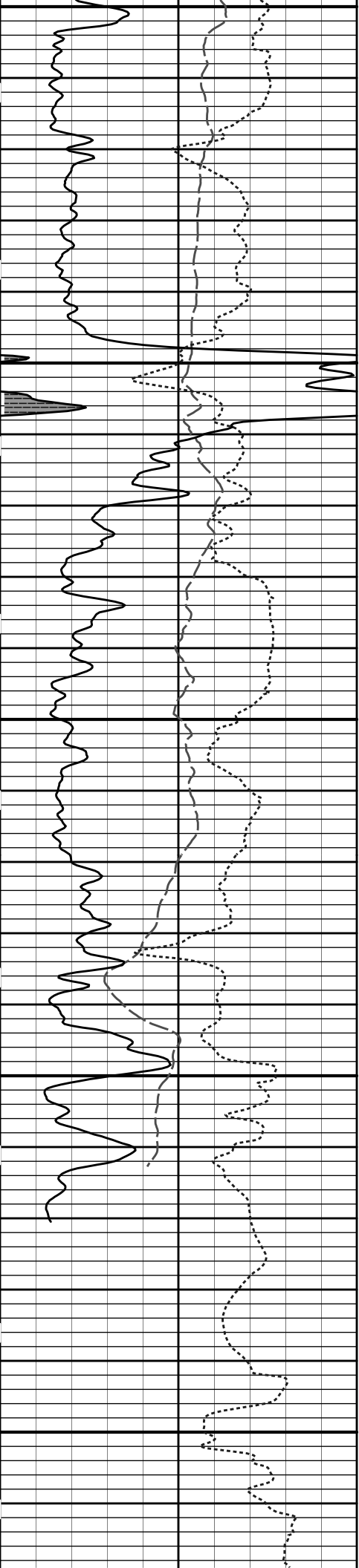


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5900

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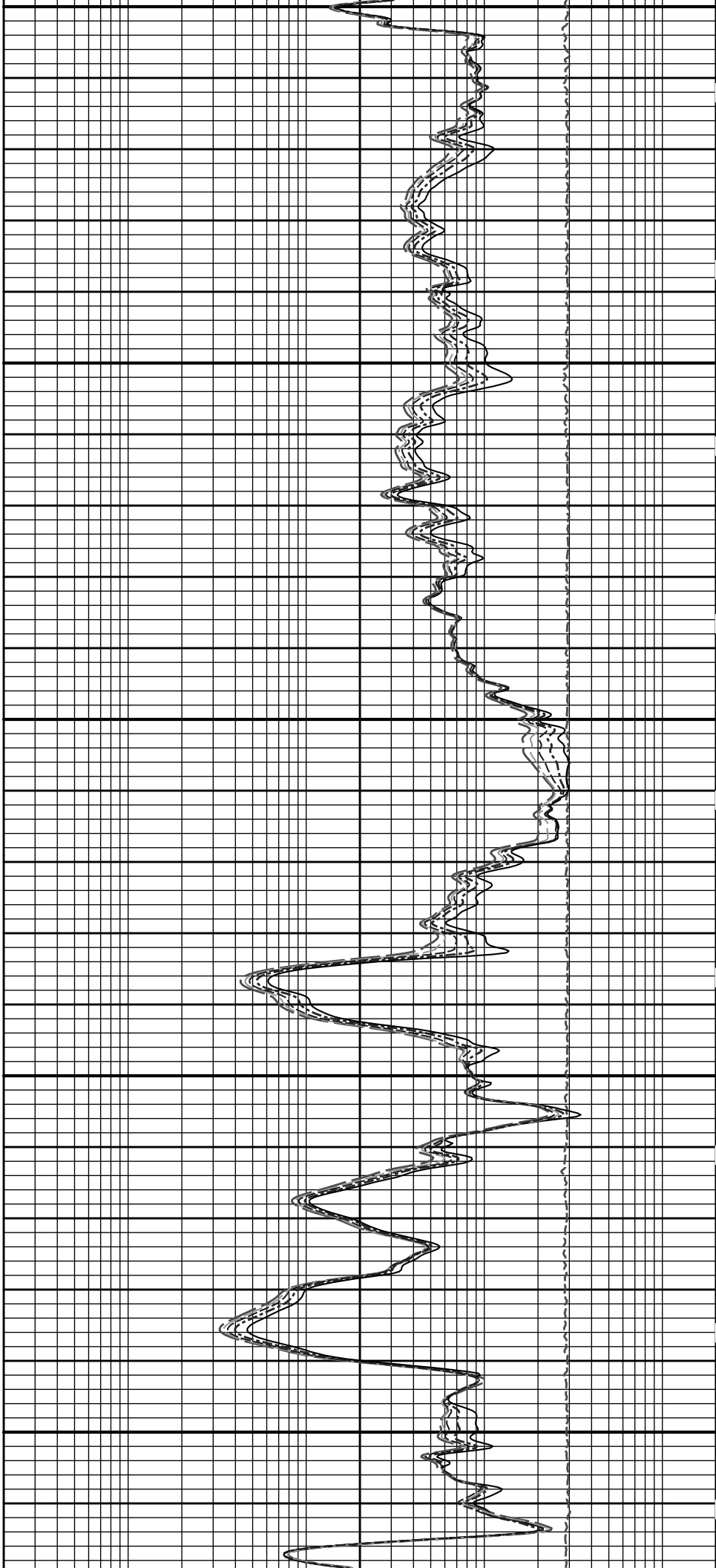


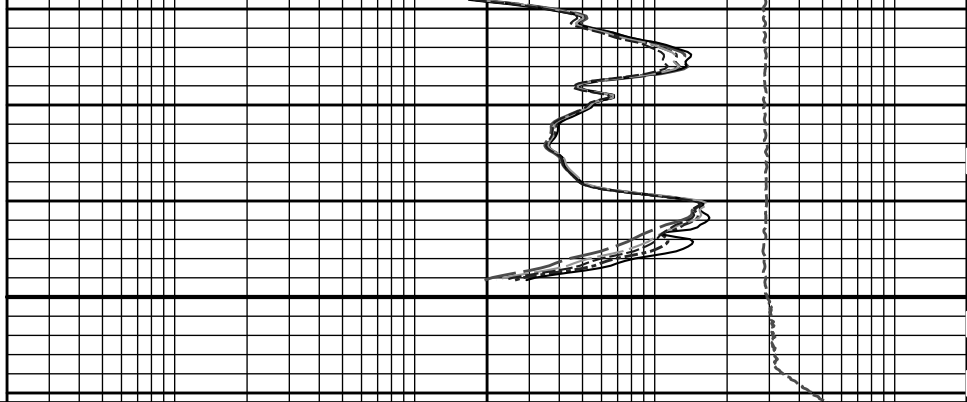
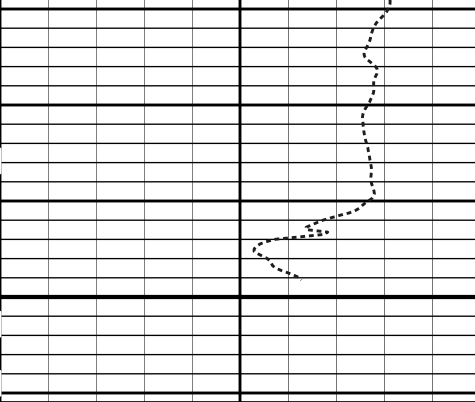


6000

6100

6200





SP		MD 1 : 240 ft	10K Tension 0	
-]20[+			pounds	
0	Gamma API 150		0.2	10in Resistivity 2ft Res 2000
api			ohmm	
SHALE			0.2	20in Resistivity 2ft Res 2000
			ohmm	
1.75	RXRT -0.5		0.2	30in Resistivity 2ft Res 2000
			ohm-metre	
			0.2	60in Resistivity 2ft Res 2000
			ohmm	
			0.2	90in Resistivity 2ft Res 2000
			ohmm	

HALLIBURTON

Plot Time: 13-Mar-14 10:17:03
Plot Range: 1590 ft to 6261 ft
Data: PARITY 1-34\Well Based\R1 CASING SPL\I
Plot File: \\-LOCAL-IPARITY 1-34\Well Based\ACRT\ACRT_5_main_lib

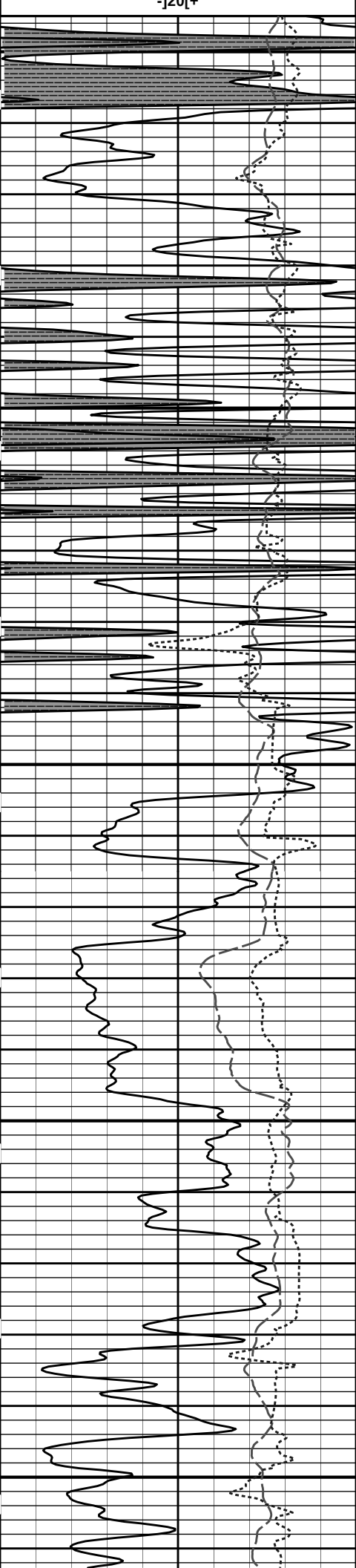
5 INCH MAIN LOG

HALLIBURTON

Plot Time: 13-Mar-14 10:17:03
Plot Range: 5545 ft to 6261 ft
Data: PARITY 1-34\Well Based\R1 REPEAT\I
Plot File: \\-LOCAL-IPARITY 1-34\Well Based\ACRT\ACRT_5_repeat_lib

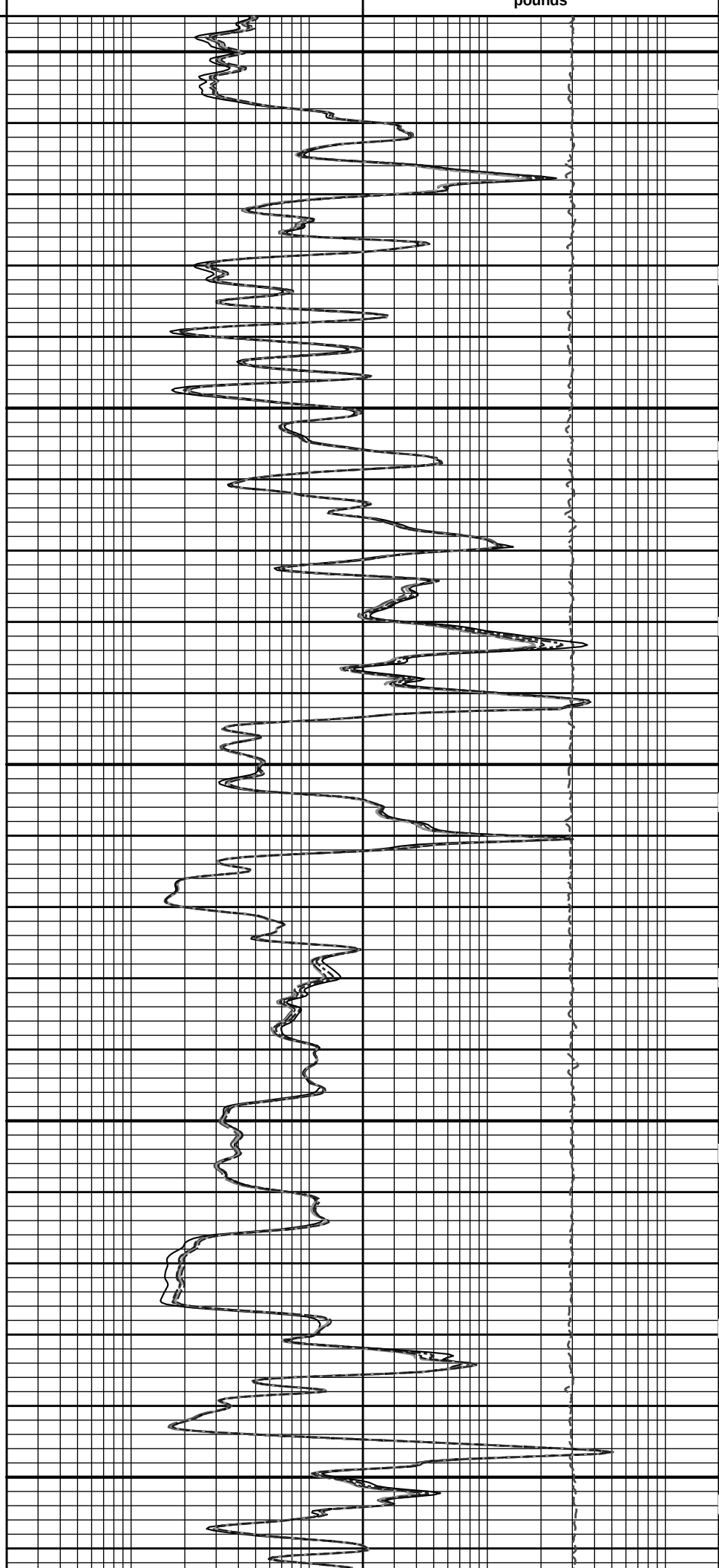
REPEAT SECTION

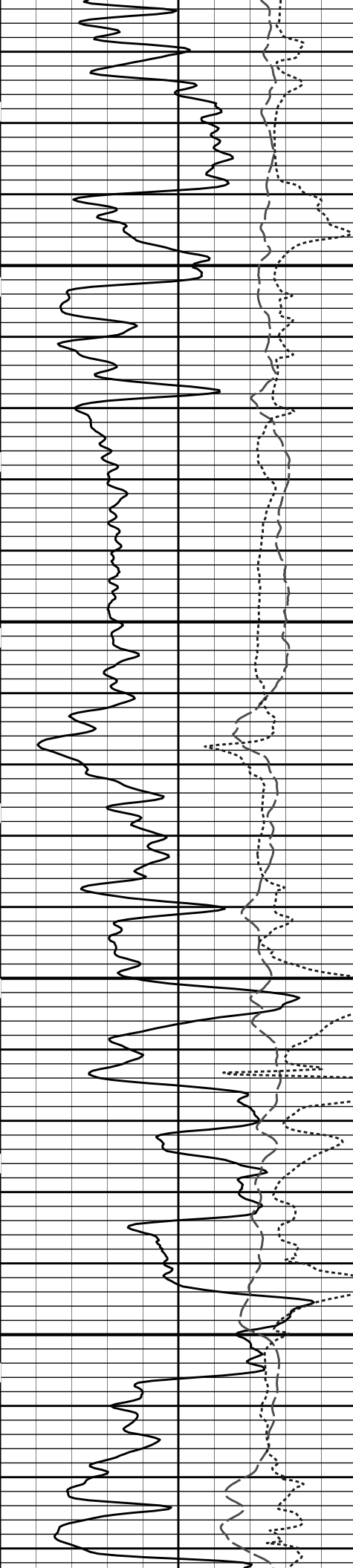
1.75RXRT-0.5 SHALE 0Gamma API150 api SP 120ft			0.290in Resistivity 2ft Res2000		
			ohmm		
			0.260in Resistivity 2ft Res2000		
			ohmm		
			0.230in Resistivity 2ft Res2000		
			ohm-metre		
			0.220in Resistivity 2ft Res2000		
			ohmm		
			0.210in Resistivity 2ft Res2000		
			ohmm		
MD 1 : 240 ft		10K		Tension0	
				pounds	



5600

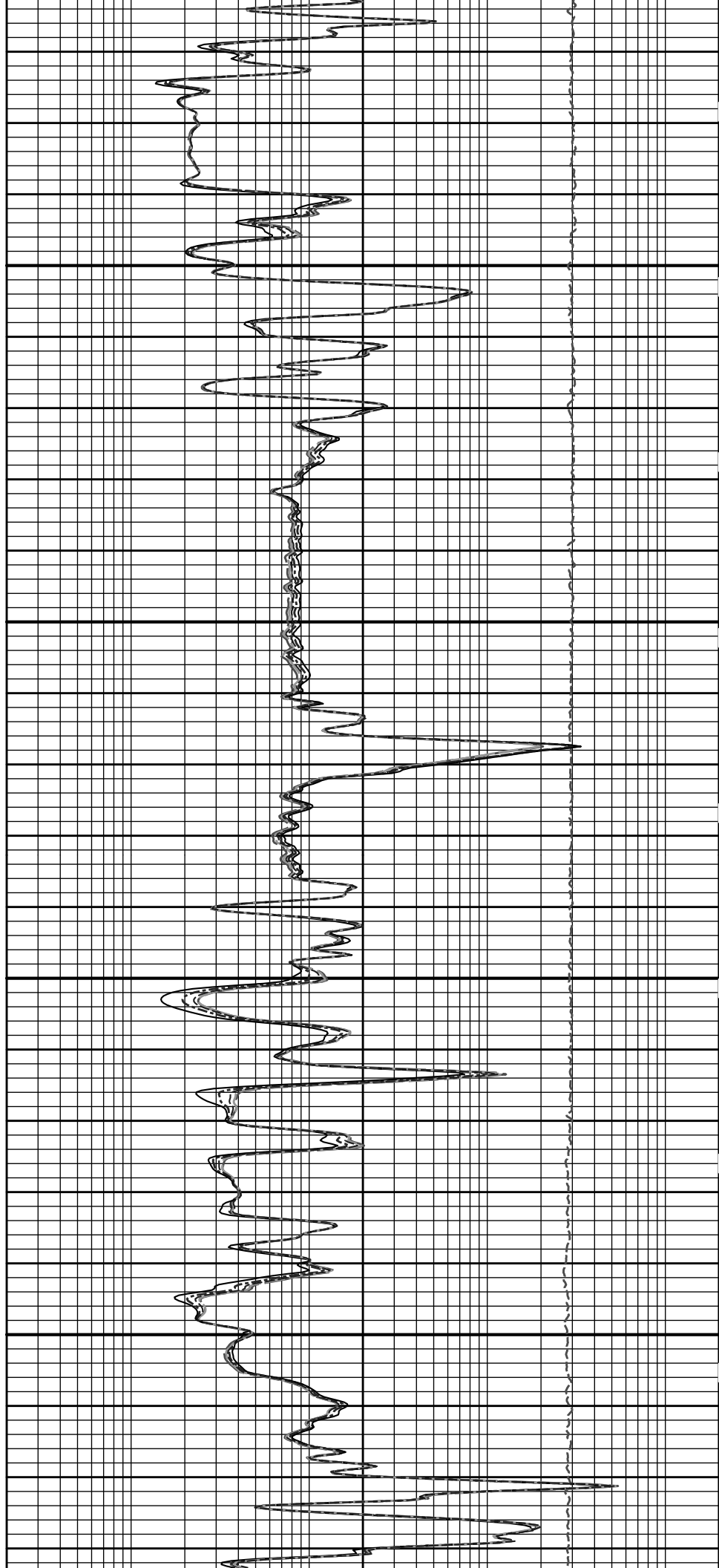
5700

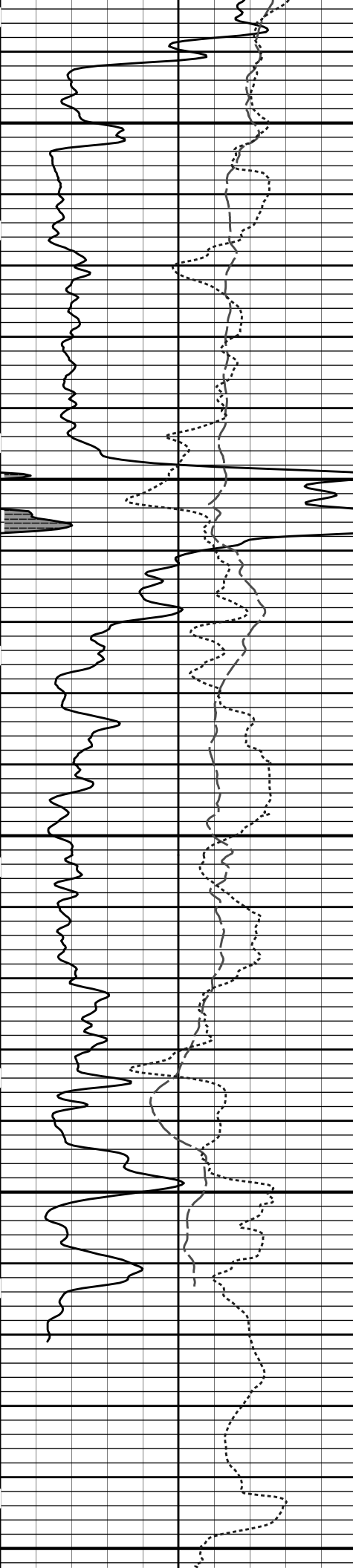




5800

5900

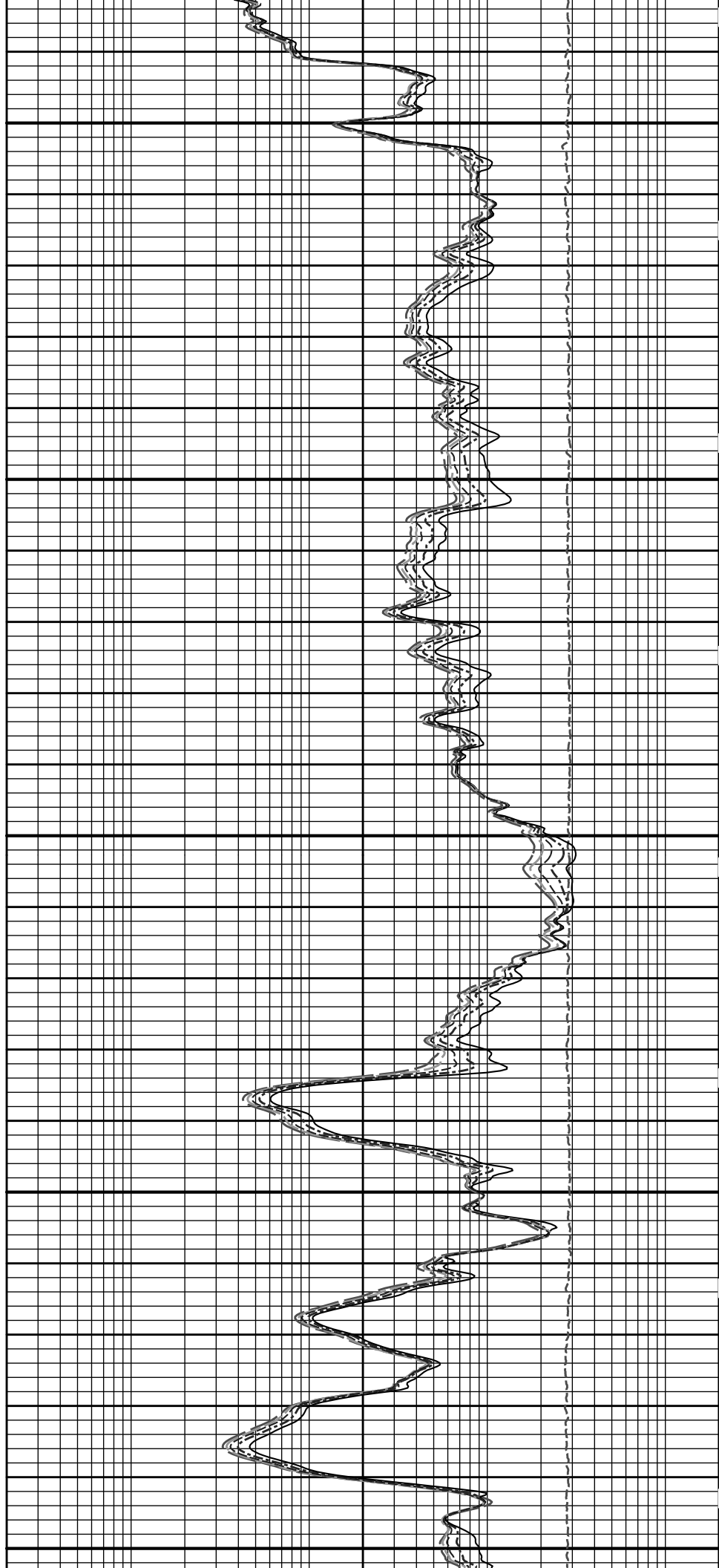


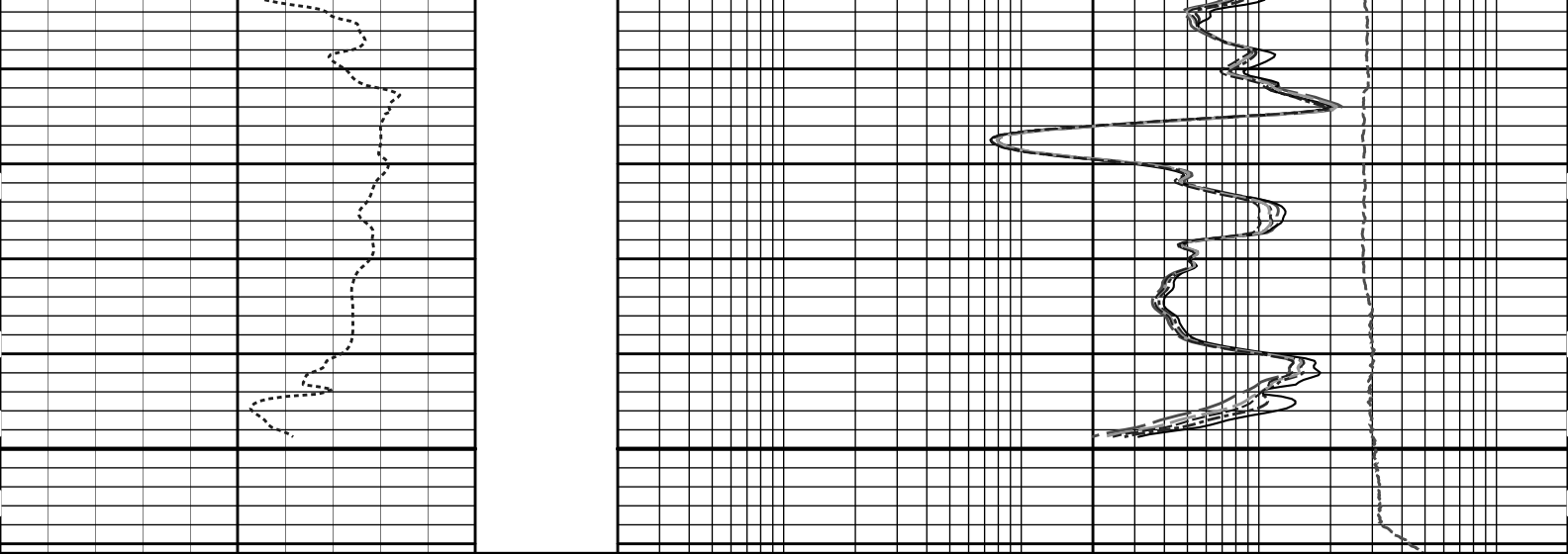


6000

6100

6200





SP		MD 1 : 240 ft		10K	Tension	0	
-]20[+				pounds			
0	Gamma API	150		0.2	10in Resistivity 2ft Res		2000
api				ohmm			
SHALE				0.2	20in Resistivity 2ft Res		2000
				ohmm			
1.75	RXRT	-0.5		0.2	30in Resistivity 2ft Res		2000
				ohm-metre			
				0.2	60in Resistivity 2ft Res		2000
				ohmm			
			0.2	90in Resistivity 2ft Res		2000	
			ohmm				

HALLIBURTON

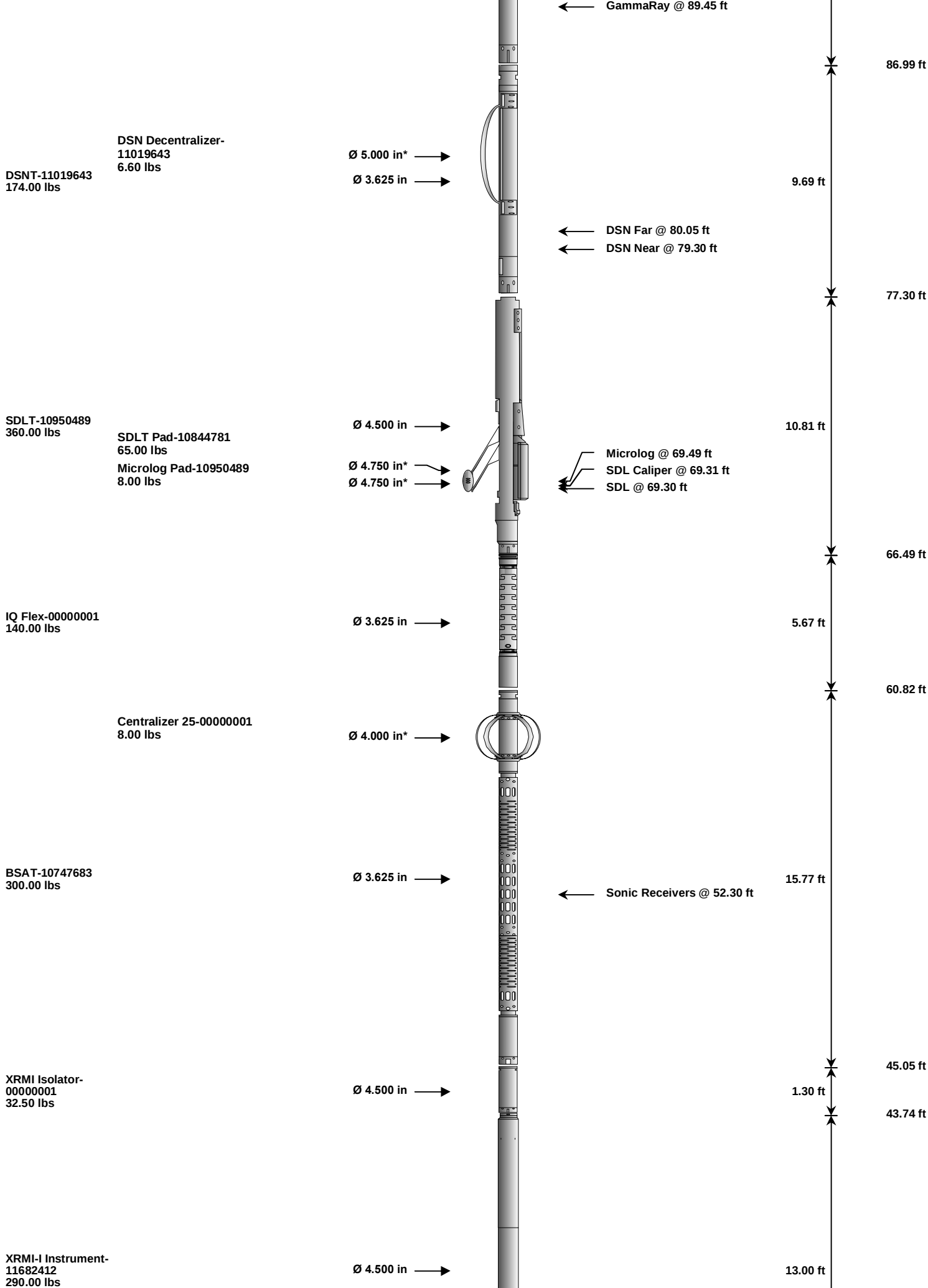
Plot Time: 13-Mar-14 10:17:05
Plot Range: 5545 ft to 6261 ft
Data: PARITY 1-34\Well Based\R1 REPEAT\
Plot File: \\LOCAL-IPARITY 1-34\Well Based\ACRT\ACRT_5_repeat.lib

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 →			8.52 ft	



XRMI-I Mandrel-
11682413
206.00 lbs

Ø 5.000 in →
Ø 4.500 in →

11.16 ft

30.74 ft

Pads 2, 4, 6 @ 22.35 ft
Pads 1, 3, 5 @ 22.12 ft

ACRt Instrument-
11055059
50.00 lbs

Centralizer 25-00000002
8.00 lbs

Ø 4.000 in* →
Ø 3.625 in →

5.03 ft

19.58 ft

Regal Standoff 6_75-
00000001
20.00 lbs

Ø 6.750 in* →

← Mud Resistivity @ 13.19 ft

14.55 ft

← ACRt @ 9.21 ft

ACRt Sonde-
11038385
200.00 lbs

Ø 3.625 in →

14.22 ft

Bull Nose-00000001
5.00 lbs

Ø 2.750 in →

0.33 ft

0.33 ft

0.00 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 XRMI tool		00000001	32.50	1.30	43.74	300.00
XRMI	XRMI Navigation - Insite		11682412	290.00	13.00	30.74	30.00
XRMI-I	XRMI 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-XRMI-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	DNTD	Temperature Correction Type	None	

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	Wylie	
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

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

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

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name:	ACRt Sonde - 11038385	Reference Calibration Date:	18-Nov-13 11:45:56
Engineer:	SHELDON INGERSOLL	Calibration Date:	19-Feb-14 12:22:23
Software Version:	WL INSITE R3.8.4 (Build 5)	Calibration Version:	1
Host Tool Name:	ACRt Instrument - 11055059		

TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0331	1.05	0.95	1.0240	1.05	0.95	1.0197	1.05
A2 (50")	0.95	1.0319	1.05	0.95	1.0243	1.05	0.95	1.0206	1.05
A3 (29")	0.95	1.0262	1.05	0.95	1.0155	1.05	0.95	1.0093	1.05
A4 (17")	0.95	1.0315	1.05	0.95	1.0181	1.05	0.95	1.0132	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0173	1.05	0.95	1.0140	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9950	1.05	0.95	0.9913	1.05

SONDE OFFSET

Subarray	R12KHz			R36KHz			R72KHz		
	(mmho/m)			(mmho/m)			(mmho/m)		

A1 (80")	0.364	-5.080	-5.281
A2 (50")	-1.096	-3.565	-4.993
A3 (29")	-14.206	-4.400	-2.841
A4 (17")	-107.753	-33.666	-26.241
A5 (10")	N/A	-83.287	-41.166
A6 (6")	N/A	336.751	170.271

TRANSMITTER CURRENT GAIN			
Signal	Lower	R	Upper
12K	0.6	0.86	1.3
36K	1.0	1.34	2.0
72K	1.0	1.61	2.0

R-MUD VERIFICATION			
Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
Mud Cell	0.95	1.00	1.05

PASS/FAIL SUMMARY	
GAIN RANGE CHK	PASS
SONDE OFFSET CHK	PASS
TOOL OK TO LOG	

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11048627						
Gamma Ray Calibrator	269.6	269.3	-----	0.3	+/- 9.00	api
ACRt Sonde-11038385						
Mud Cell	1.00	-----	-----	0.00	-----	ohm-m

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 08:15:41
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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	
GDLT Rod				

SDL1 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
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

DATA: DADITYV 1 240000Z CTET DCN CDI FLEV DCAT VDMU ACPT0002 12 M... 1 1 00.51 11n @0201 26

Date: 12 Mar 14 00:10:30

HALLIBURTON

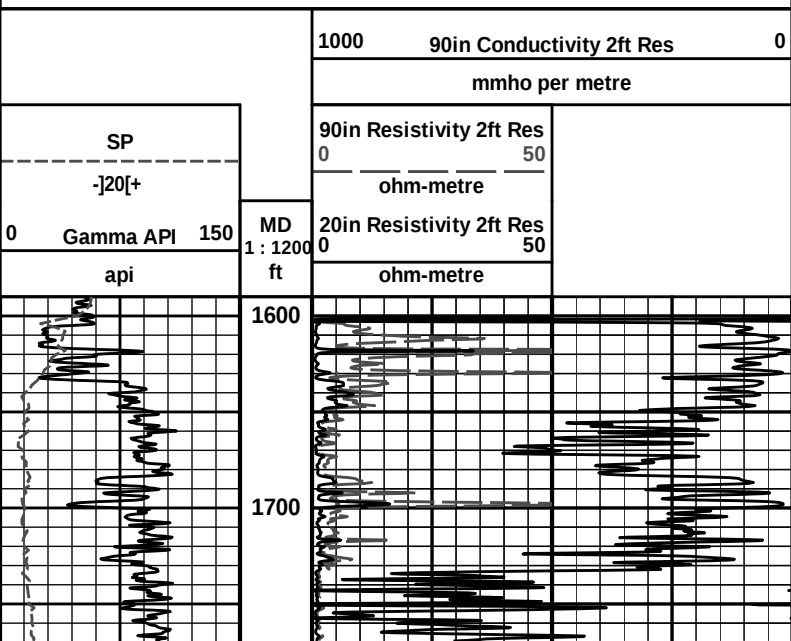
Plot Time: 13-Mar-14 10:17:05

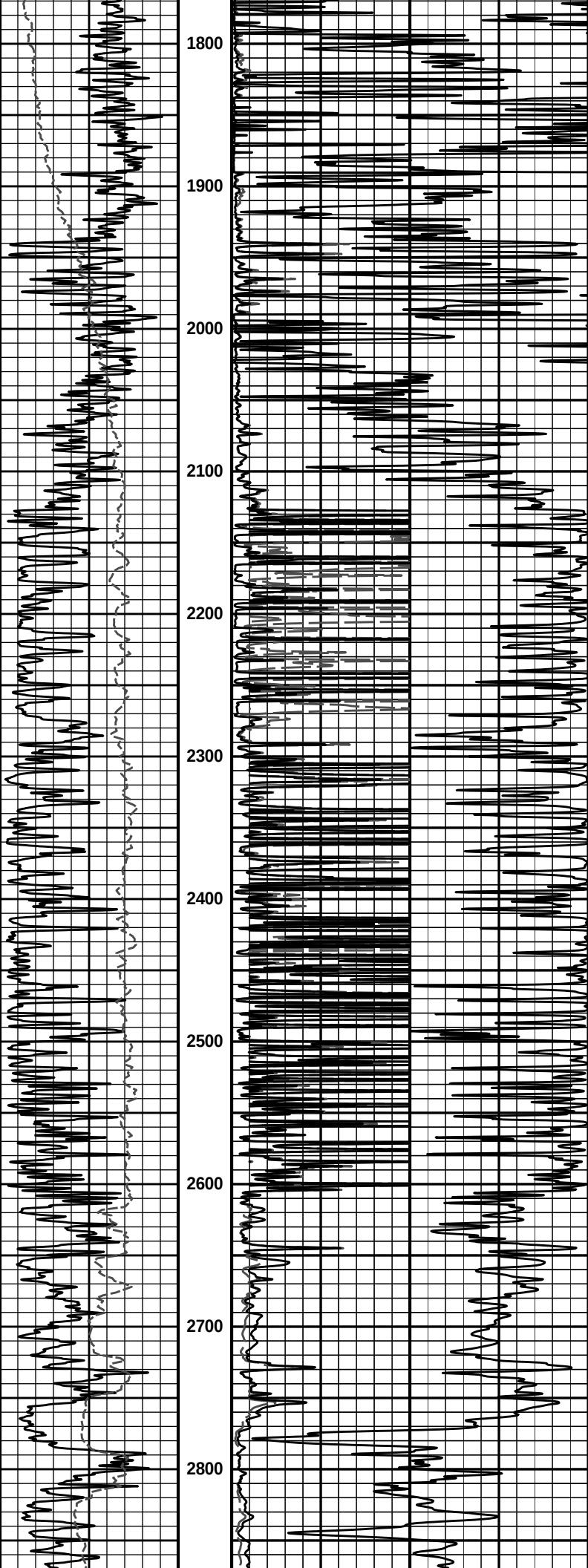
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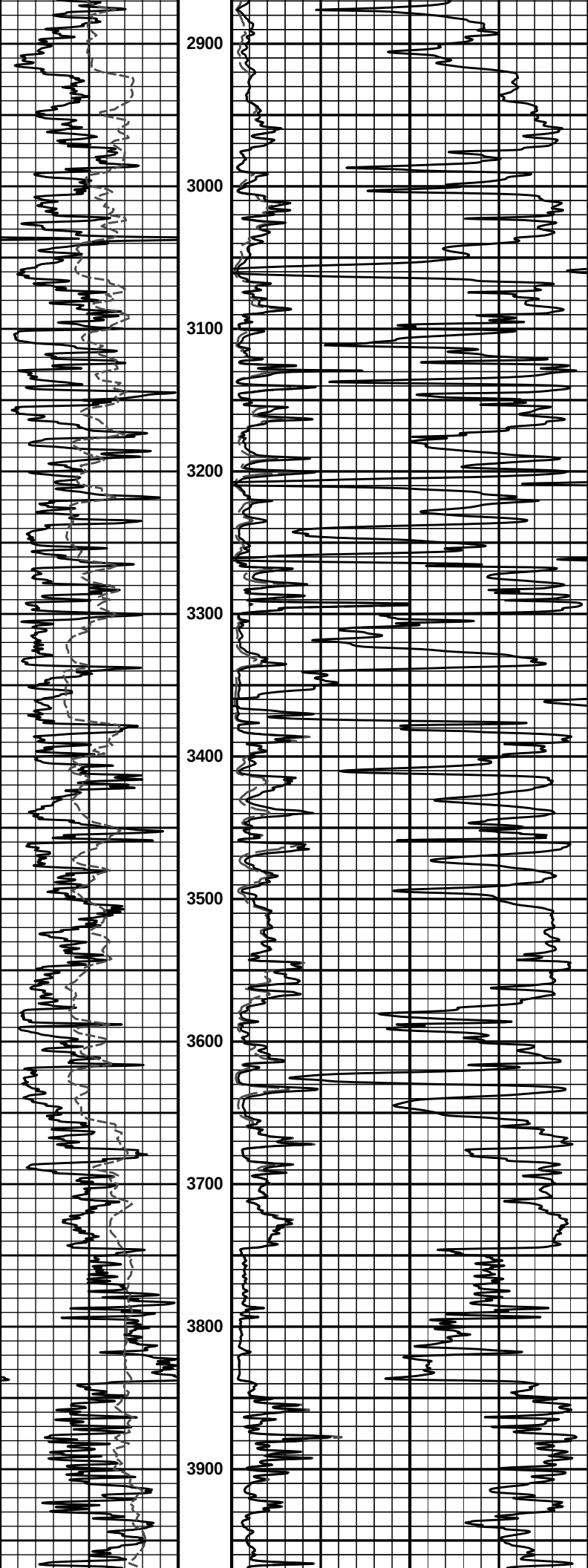
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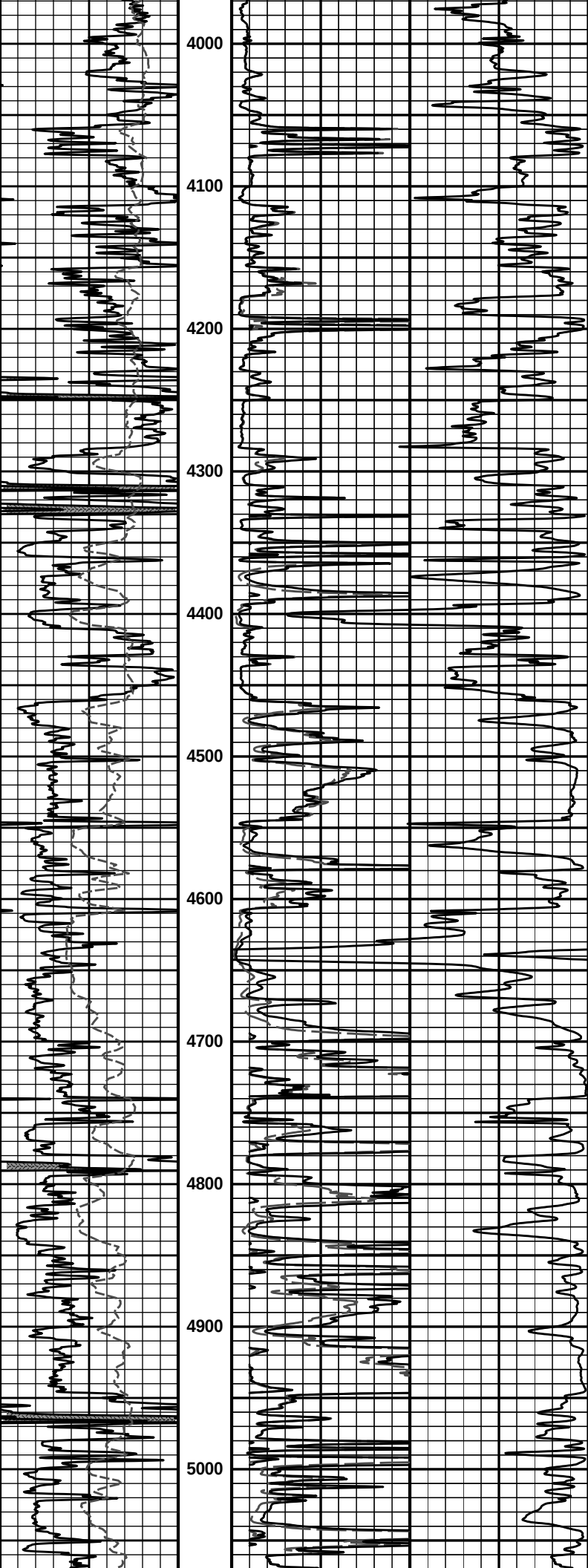
Plot File: \\-LOCAL-\\PARITY 1-34\\Well Based\\ACRT\\ACRT_1.lib

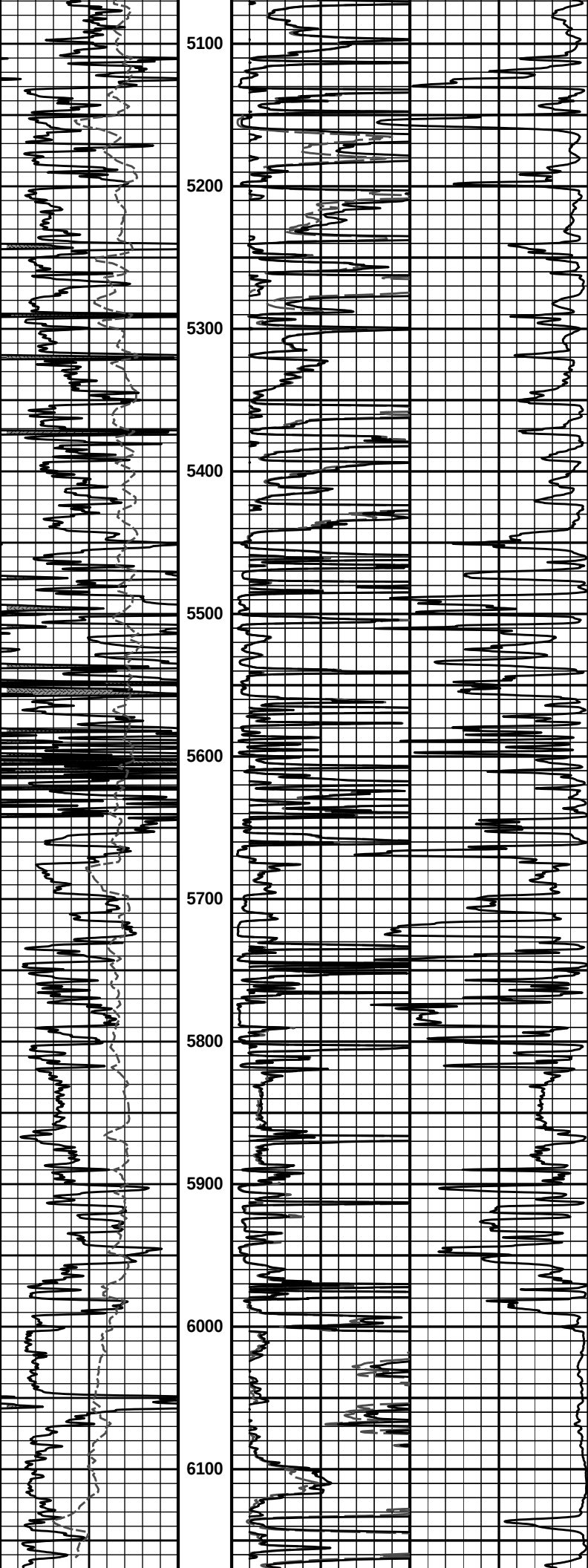
1 INCH MAIN LOG

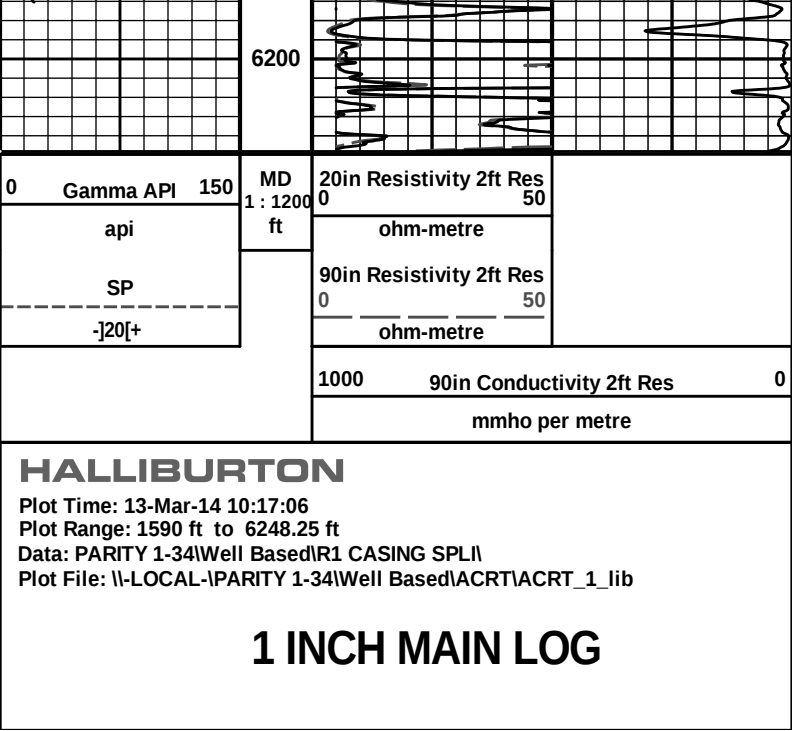












COMPANY	RAYDON EXPLORATION INC.		
WELL	PARITY 1-34		
FIELD	WILDCAT		
COUNTY	SEWARD	STATE	KANSAS
HALLIBURTON		ARRAY COMPENSATED TRUE RESISTIVITY LOG	