

ARRAY COMPENSATED
RESISTIVITY
LOG

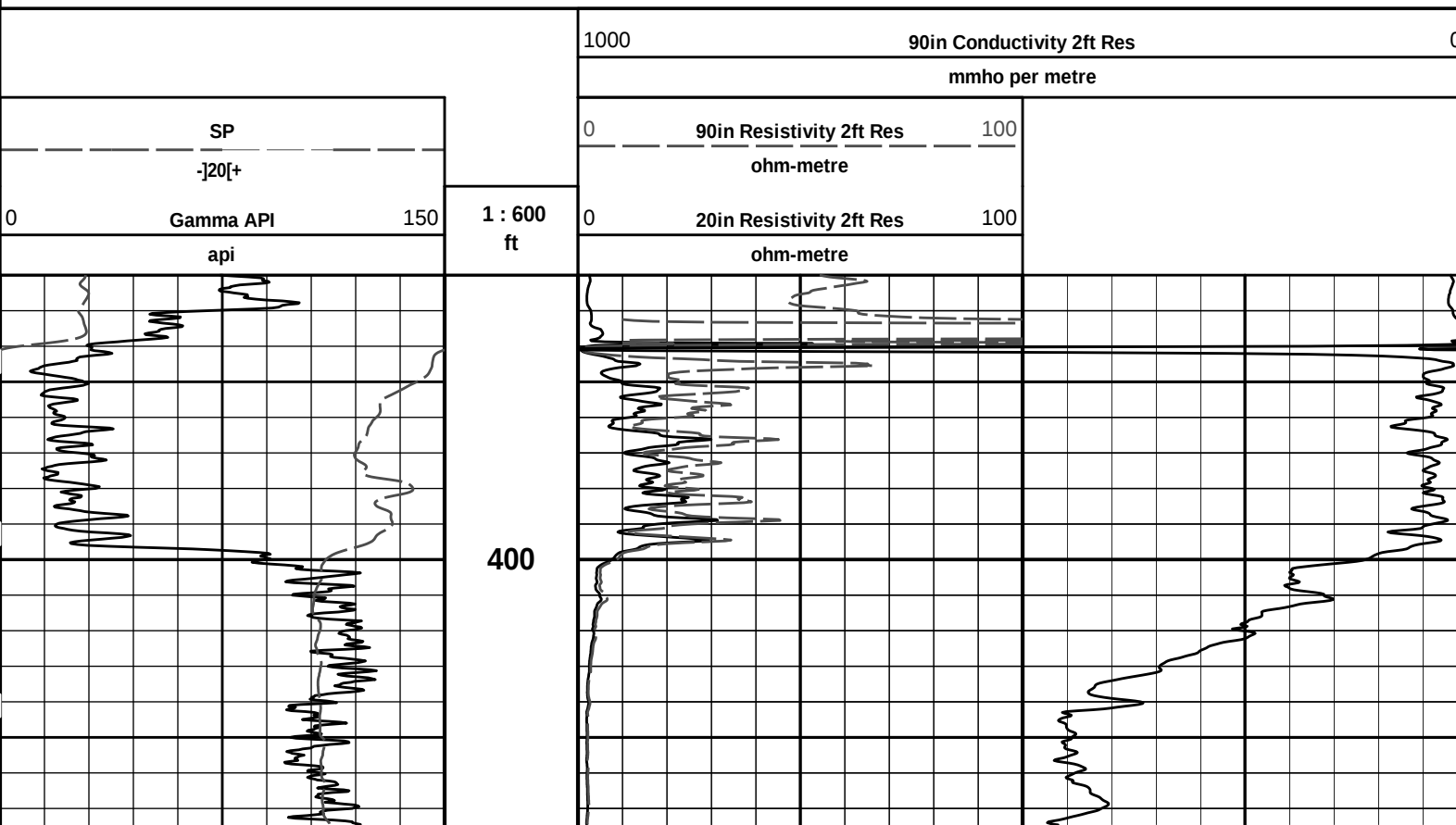
Service Ticket No.: N/A				API Serial No.: 15-171-20884				PGM Version: WL INSITE R3.4.2 (Build 2)			
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE						RESISTIVITY SCALE CHANGES					
Date	Sample No.					Type Log	Depth	Scale Up Hole		Scale Down Hole	
Depth-Driller											
Type Fluid in Hole											
Density	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 9014838f	N/A	1.5 S.O.	N/A	
Rmc @ Meas. Temp.		@		@							
Source Rmf	Rmc										
Rm @ BHT		@		@							
Rmf @ BHT		@		@							
Rmc @ BHT		@		@							
EQUIPMENT DATA											
GAMMA		ACOUSTIC				DENSITY			NEUTRON		
Run No.	ONE	Run No.				Run No.	ONE	Run No.		ONE	
Serial No.	11021039	Serial No.				Serial No.	I947M315P774	Serial No.		11023947	
Model No.	GTET	Model No.				Model No.	SDLT	Model No.		DSNT	
Diameter	3.625"	No. of Cent.				Diameter	4.5"	Diameter		3.625"	
Detector Model No.	A-102T	Spacing				Log Type	GAM-GAM	Log Type		NEU-NEU	
Type	SCINT					Source Type	Cs 137	Source Type		Am 241 Be	
Length	8"	LSA [Y/N]				Serial No.	5155 GW	Serial No.		DSN 439	
Distance to Source	N/A	FWDA [Y/N]				Strength	1.5 Ci	Strength		15 Ci	

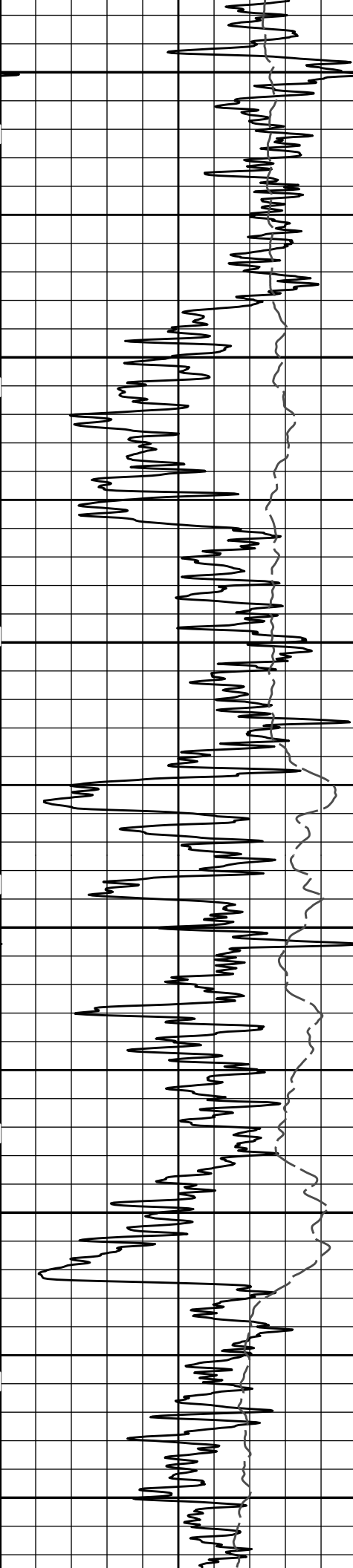
GENERAL				GAMMA				ACOUSTIC				DENSITY		NEUTRON	
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix	
No.	From	To	ft/min	L	R	L	R		L	R		L	R		
ONE	TD	CSG	REC	0	150				30	-10	2.71 gm/cc	30	-10	LIME	
DIRECTIONAL INFORMATION															
Maximum Deviation @									KOP @						
Remarks:															
ANNULAR HOLE VOLUME CALCULATED FOR 4.5-INCH CASING															
CREW: HOFKAMP, HANCOX, DUNAWAY															
THANK YOU FOR USING HALLIBURTON ENERGY SERVICES															
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.															
HALLIBURTON															

HALLIBURTON

Plot Time: 30-May-12 08:51:49
 Plot Range: 320 ft to 4796.83 ft
 Data: WOOD_Miller9_1\Well Based\MAIN\
 Plot File: \\LOCAL-WOOD_Miller9_1\0001 GTET-WAVE-DSNT-SDLT-ACRT\ACRT\ACRT_2_main

2 INCH MAIN LOG





500

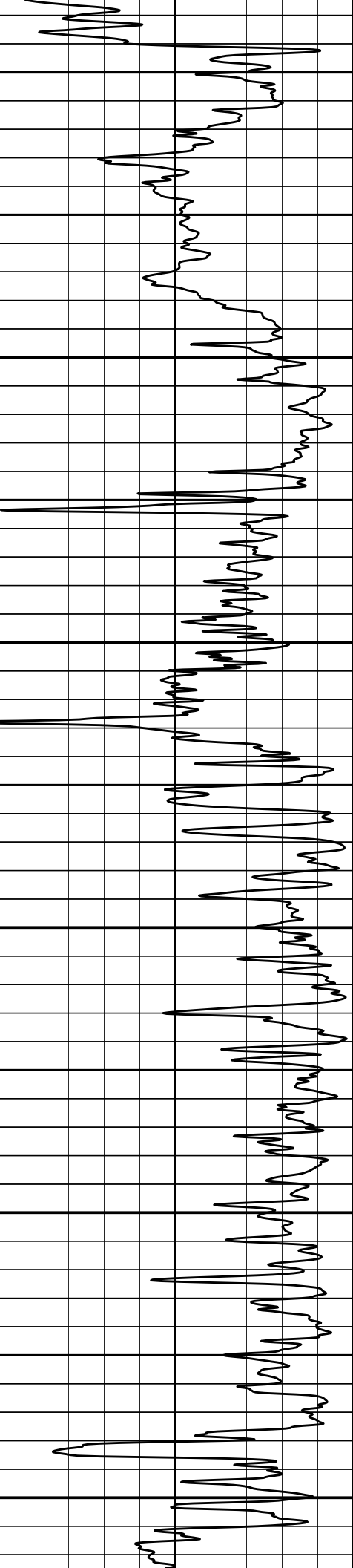
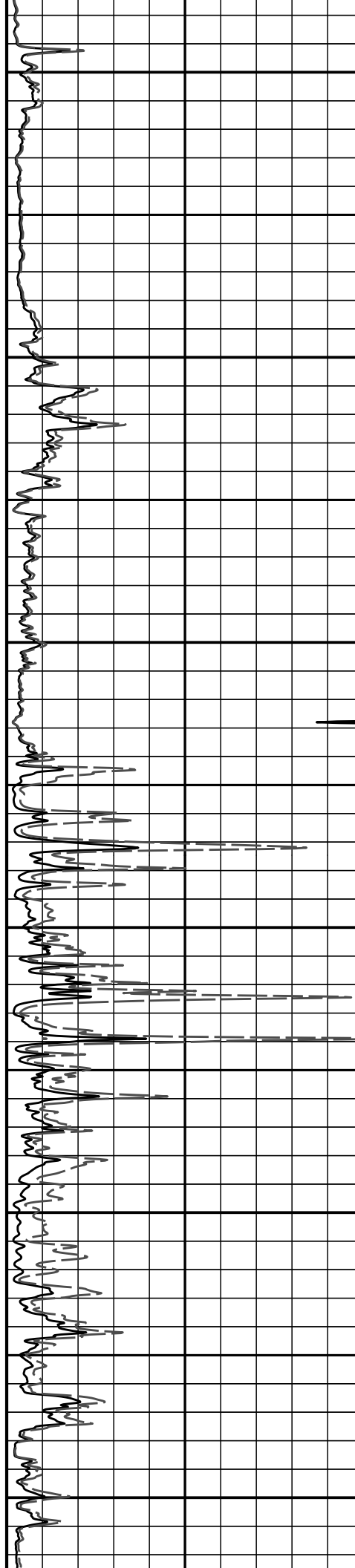
600

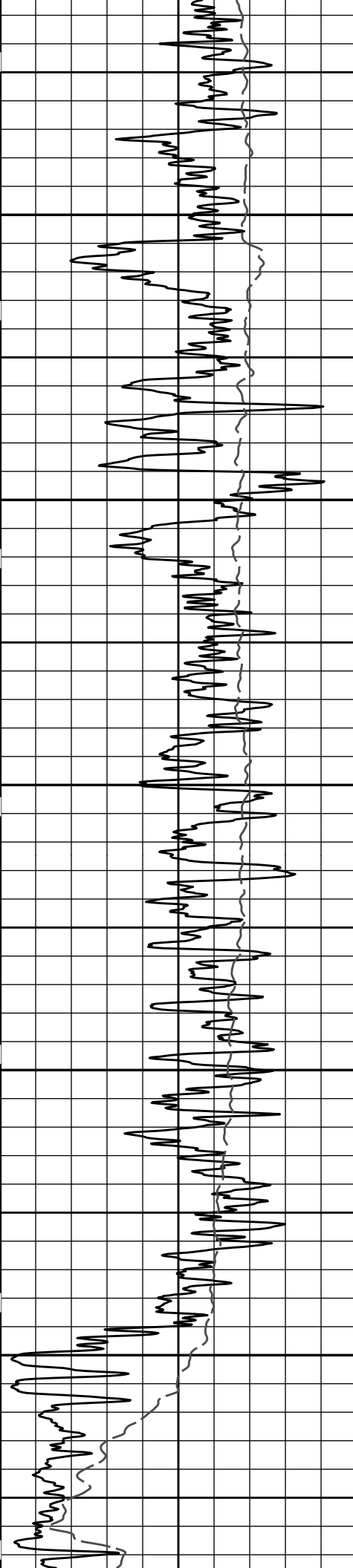
700

800

900

1000





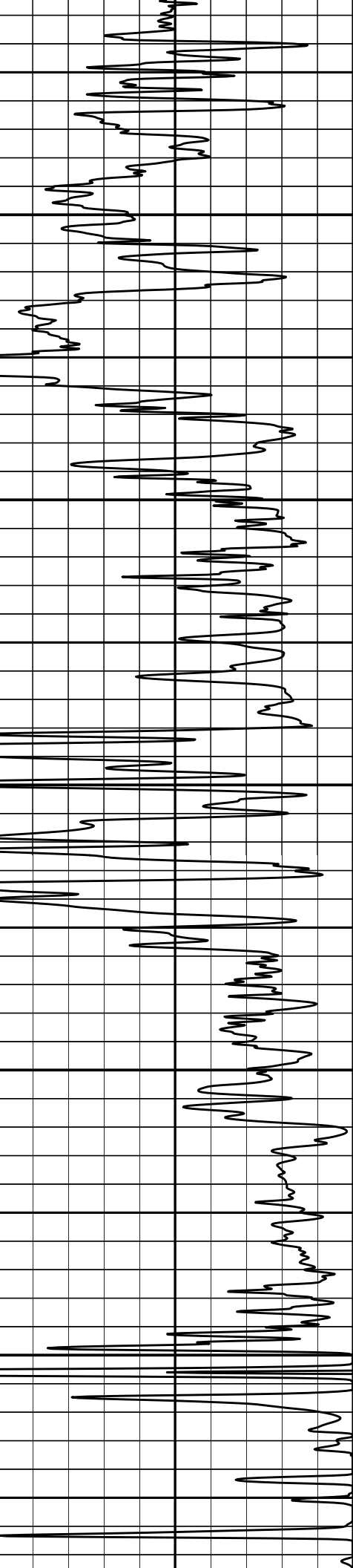
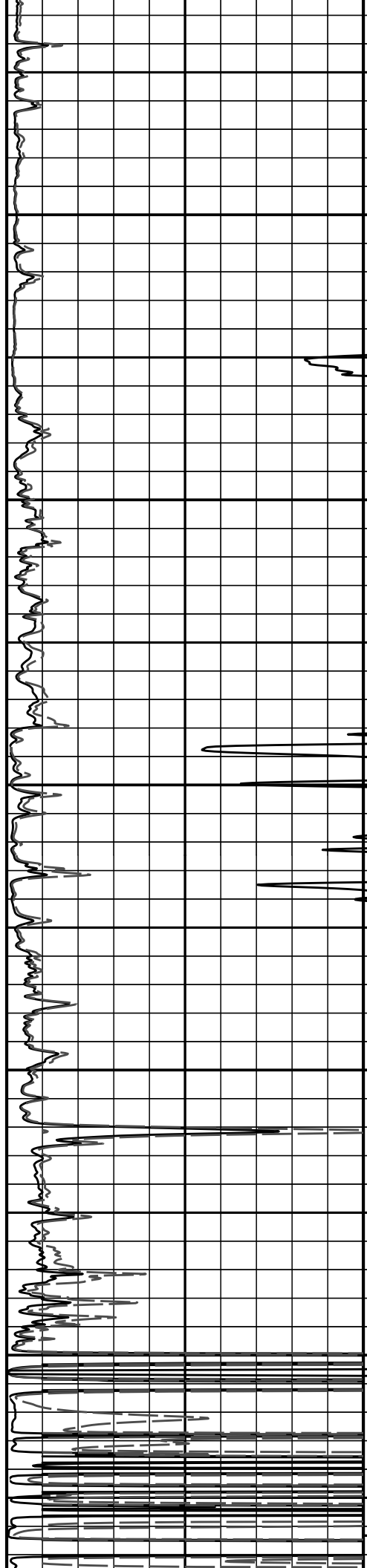
1100

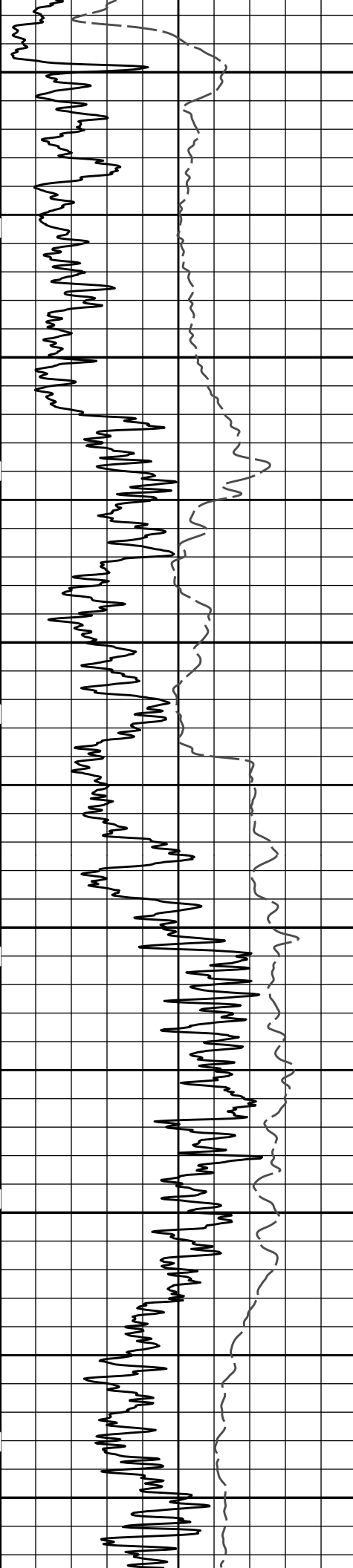
1200

1300

1400

1500





1600

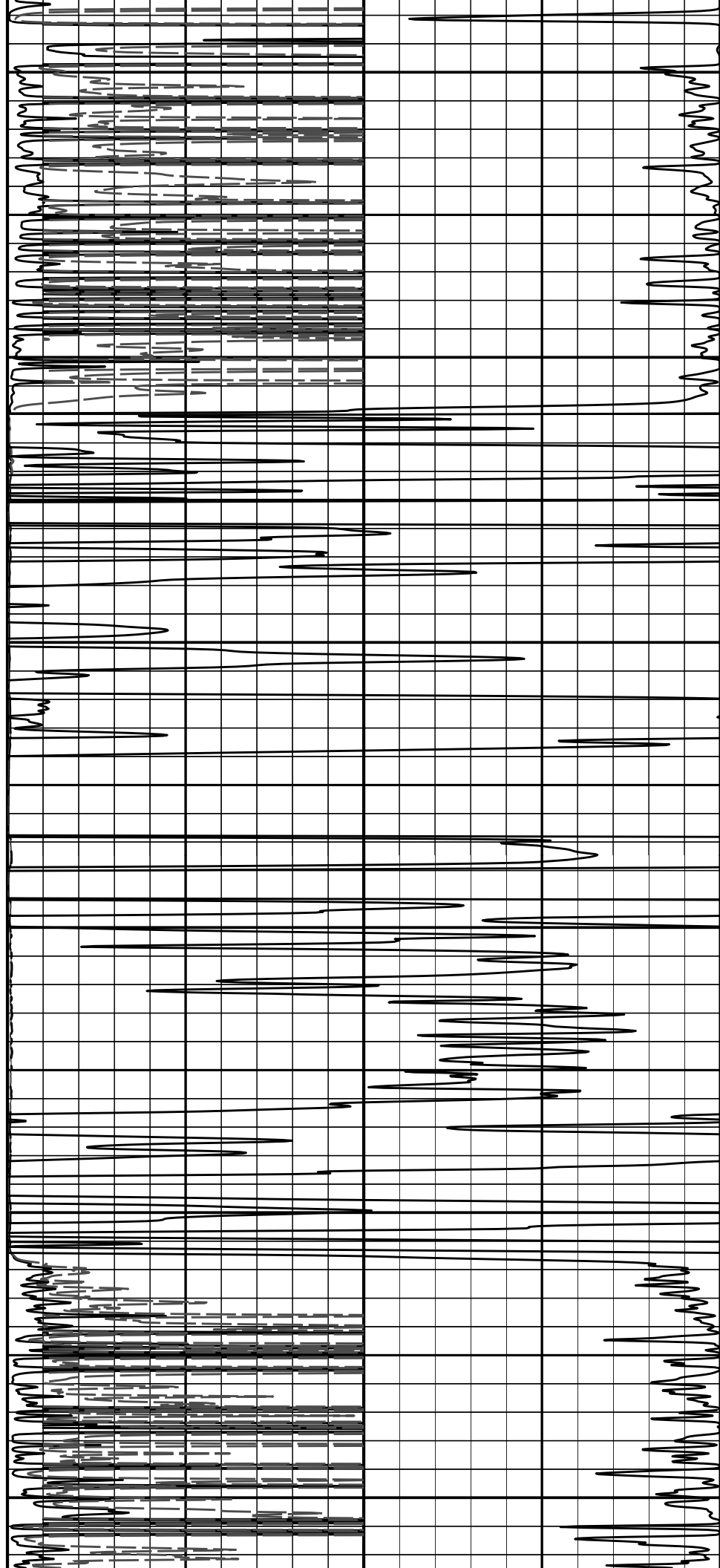
1700

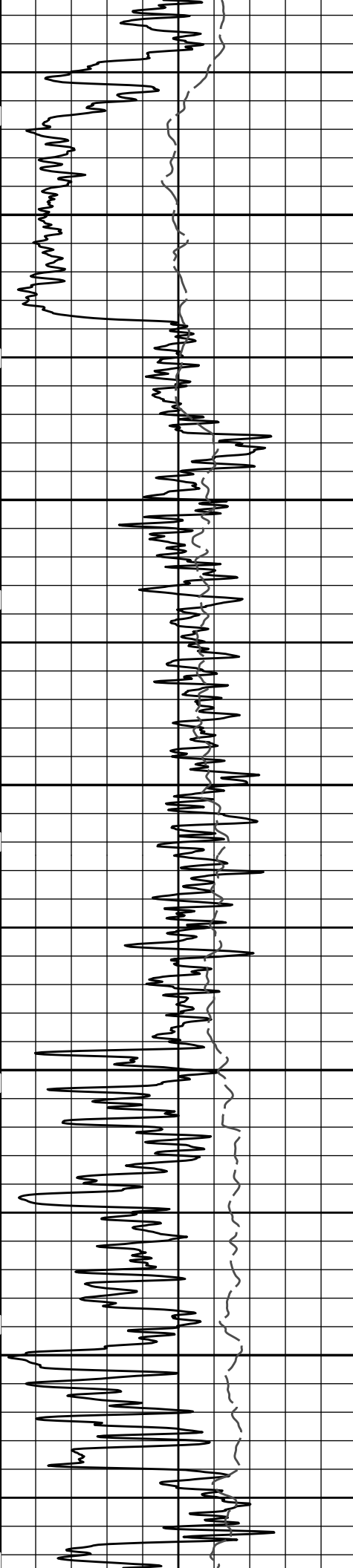
1800

1900

2000

2100





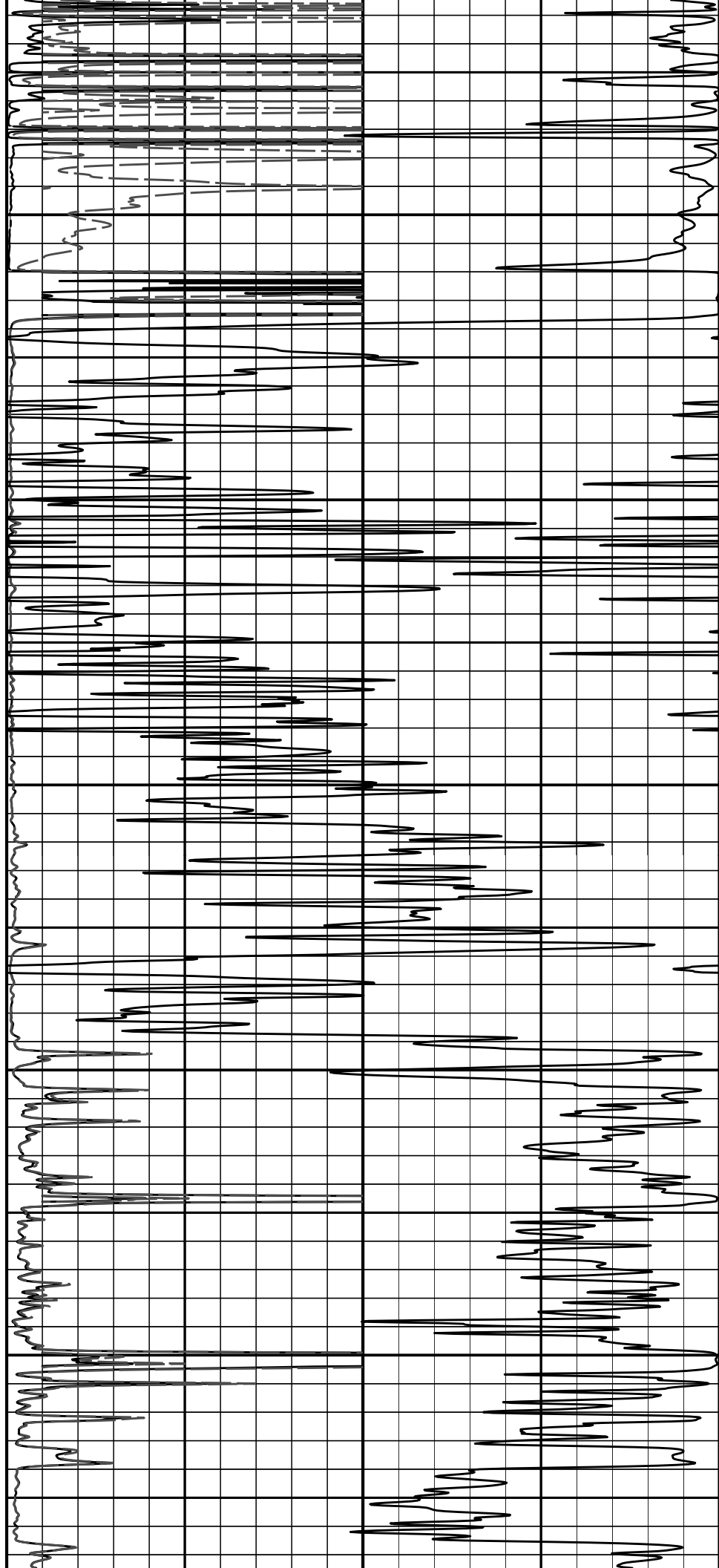
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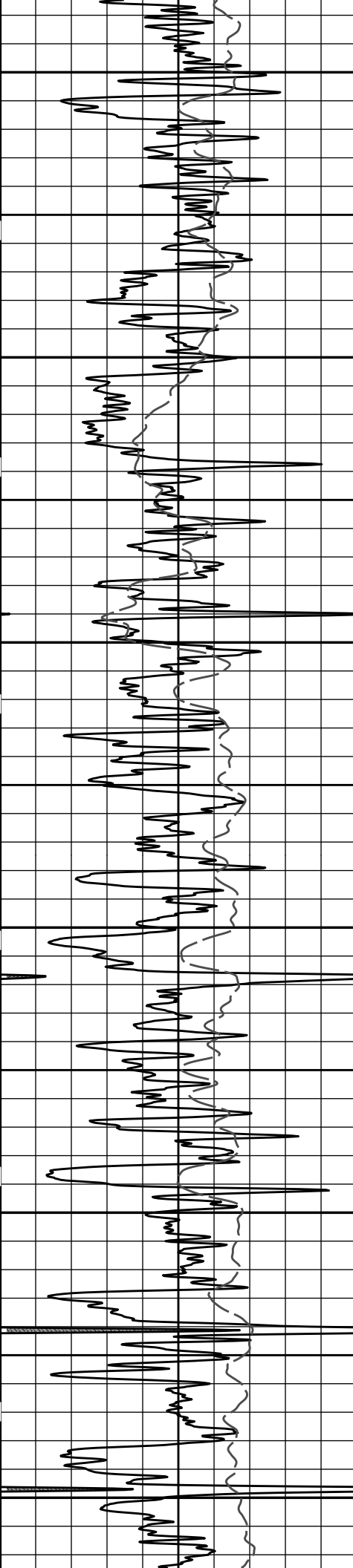
2300

2400

2500

2600





2700

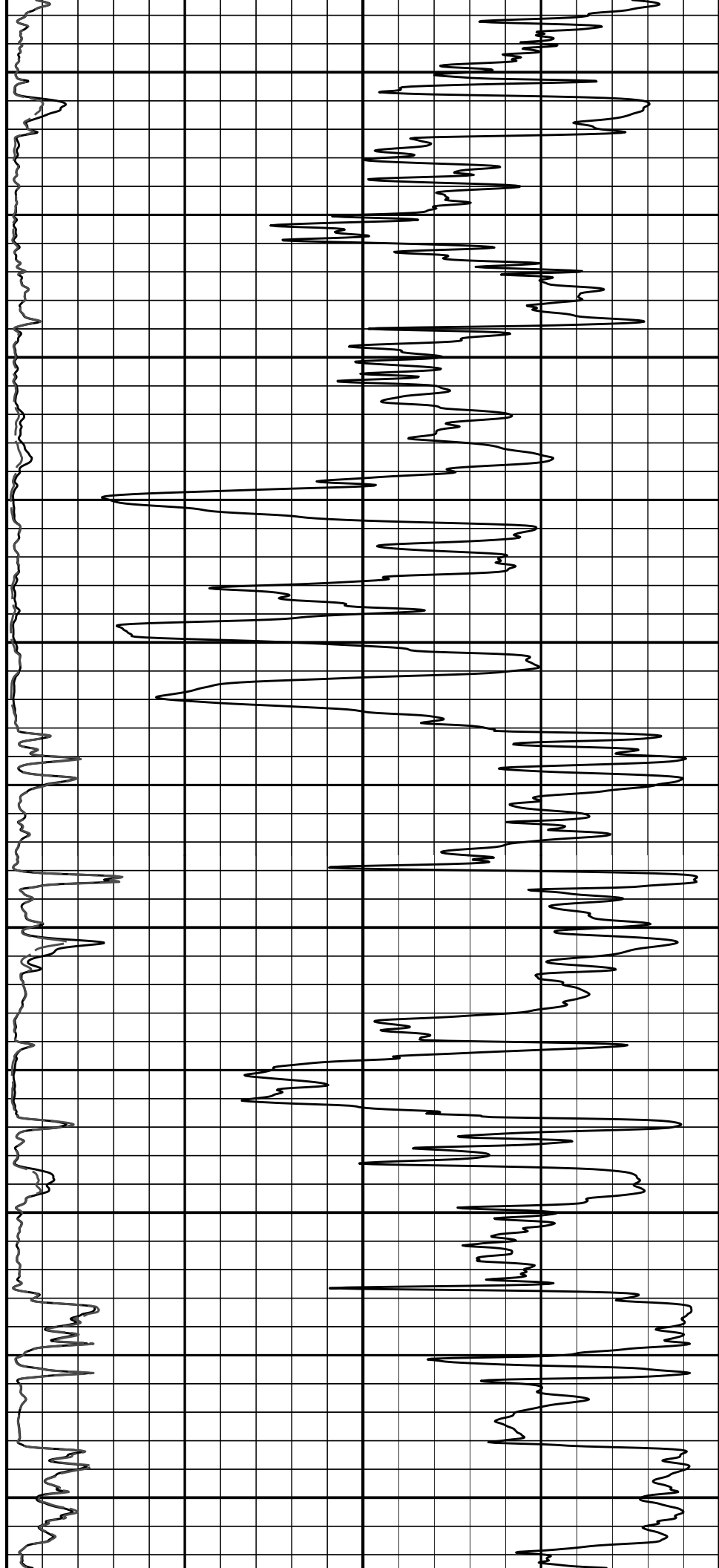
2800

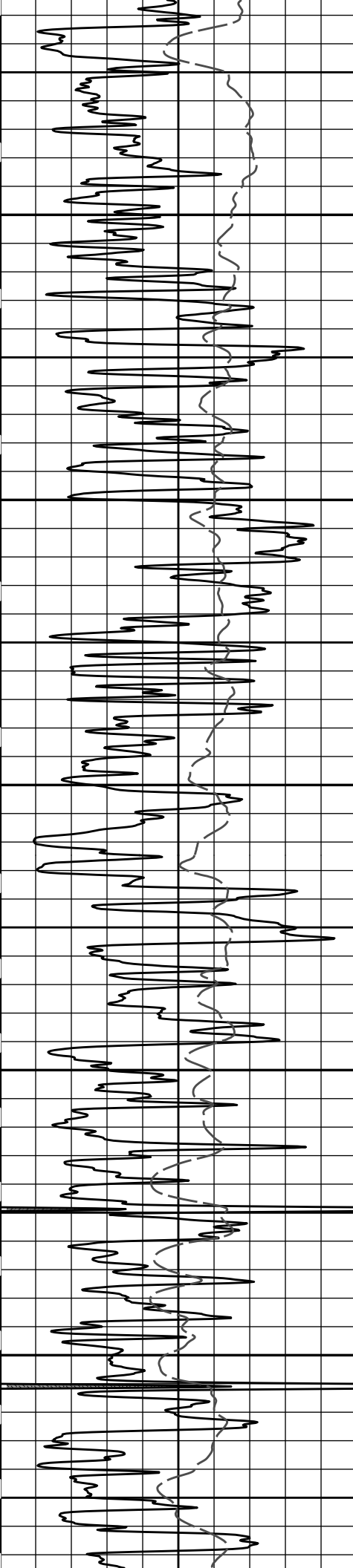
2900

3000

3100

3200





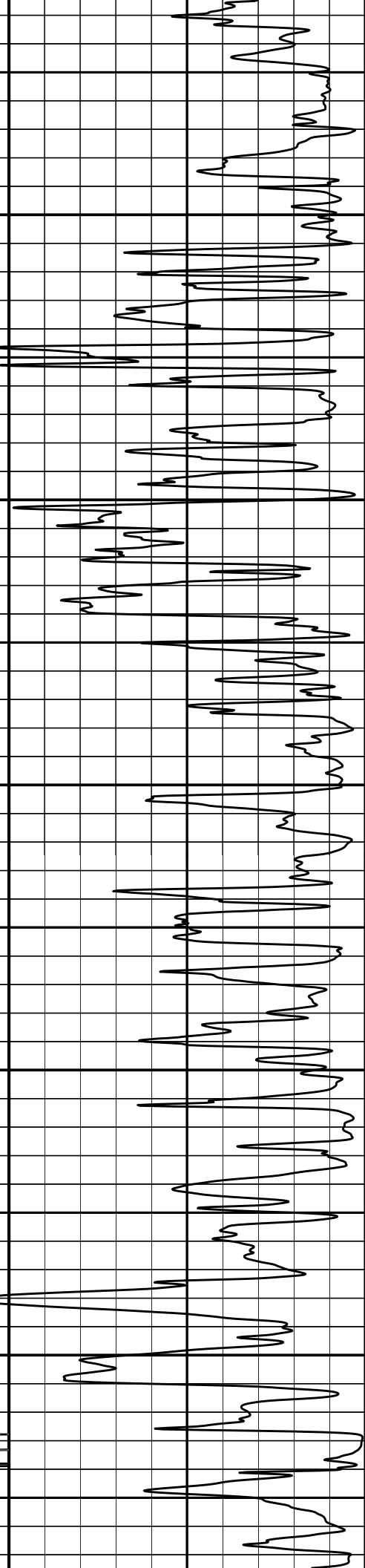
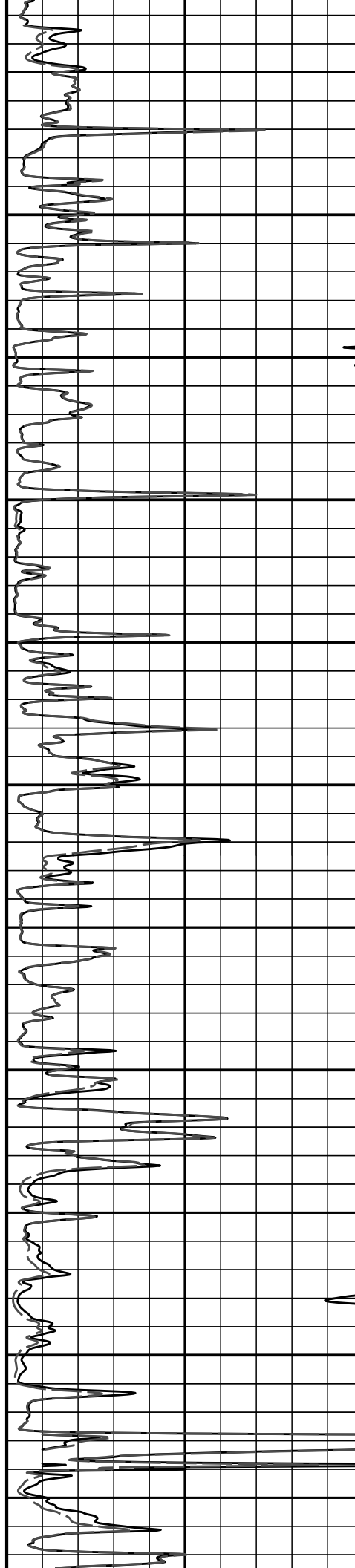
3300

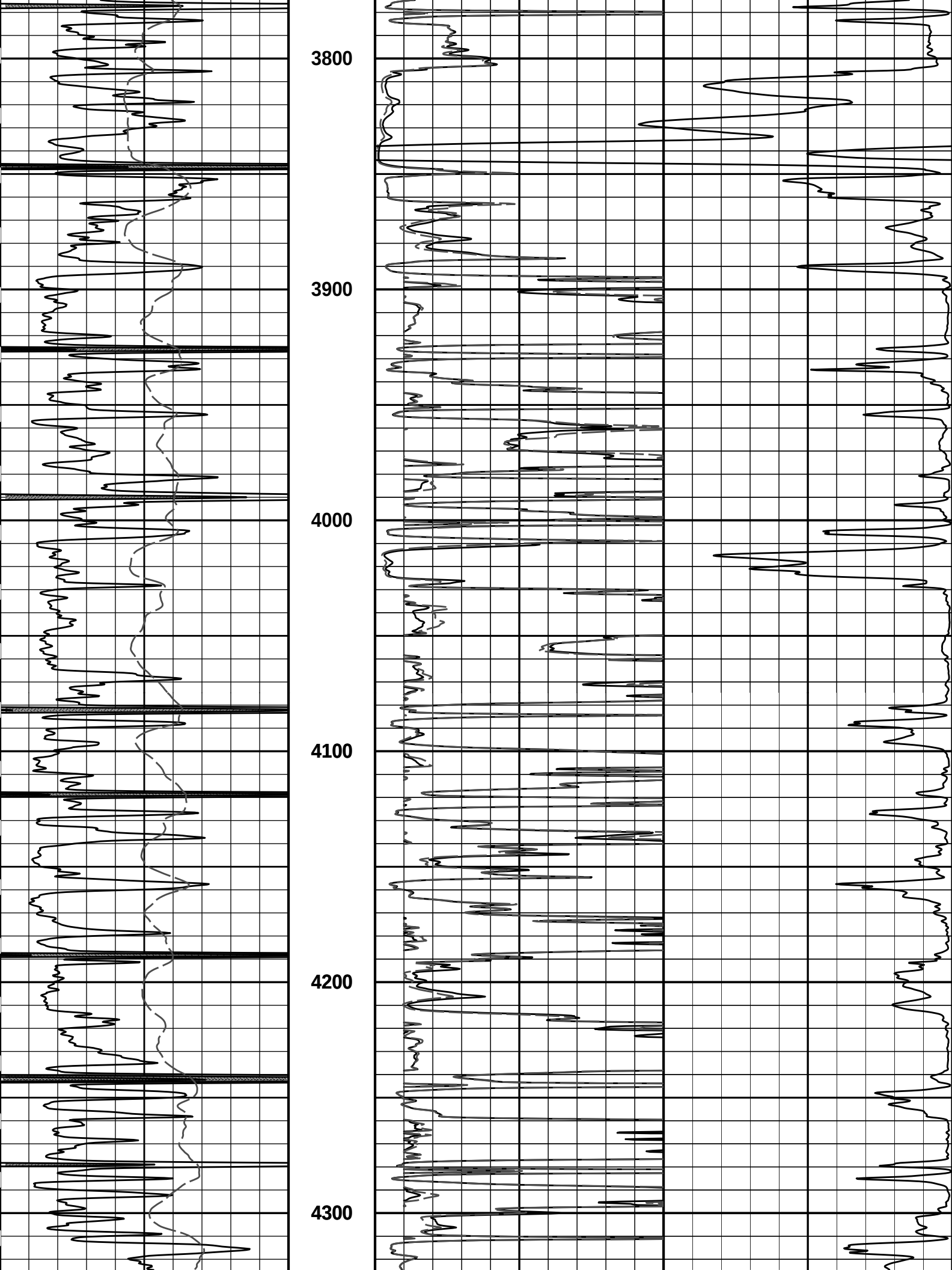
3400

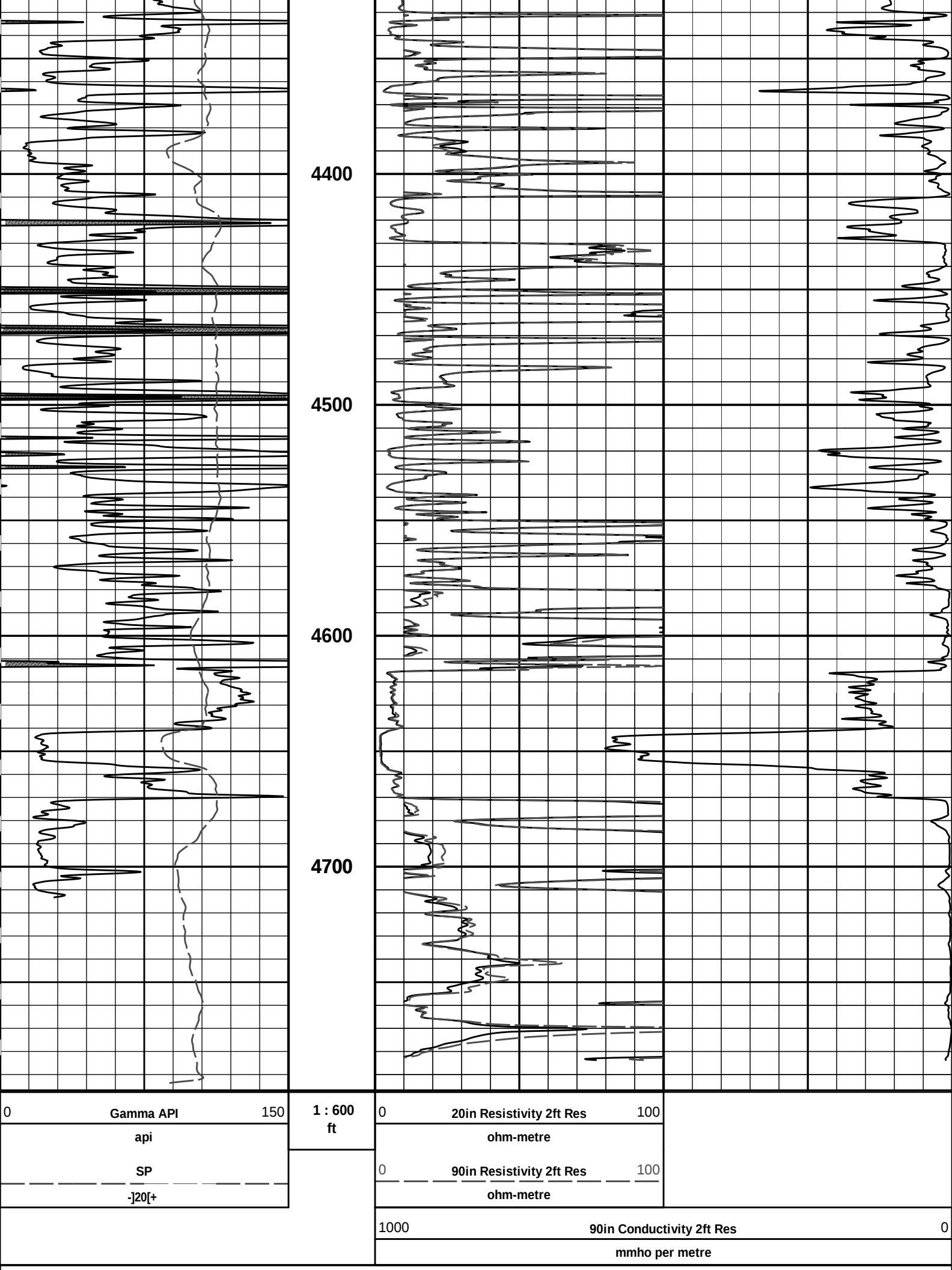
3500

3600

3700







4400

4500

4600

4700

0 Gamma API 150
api
SP
-20[+

1 : 600
ft

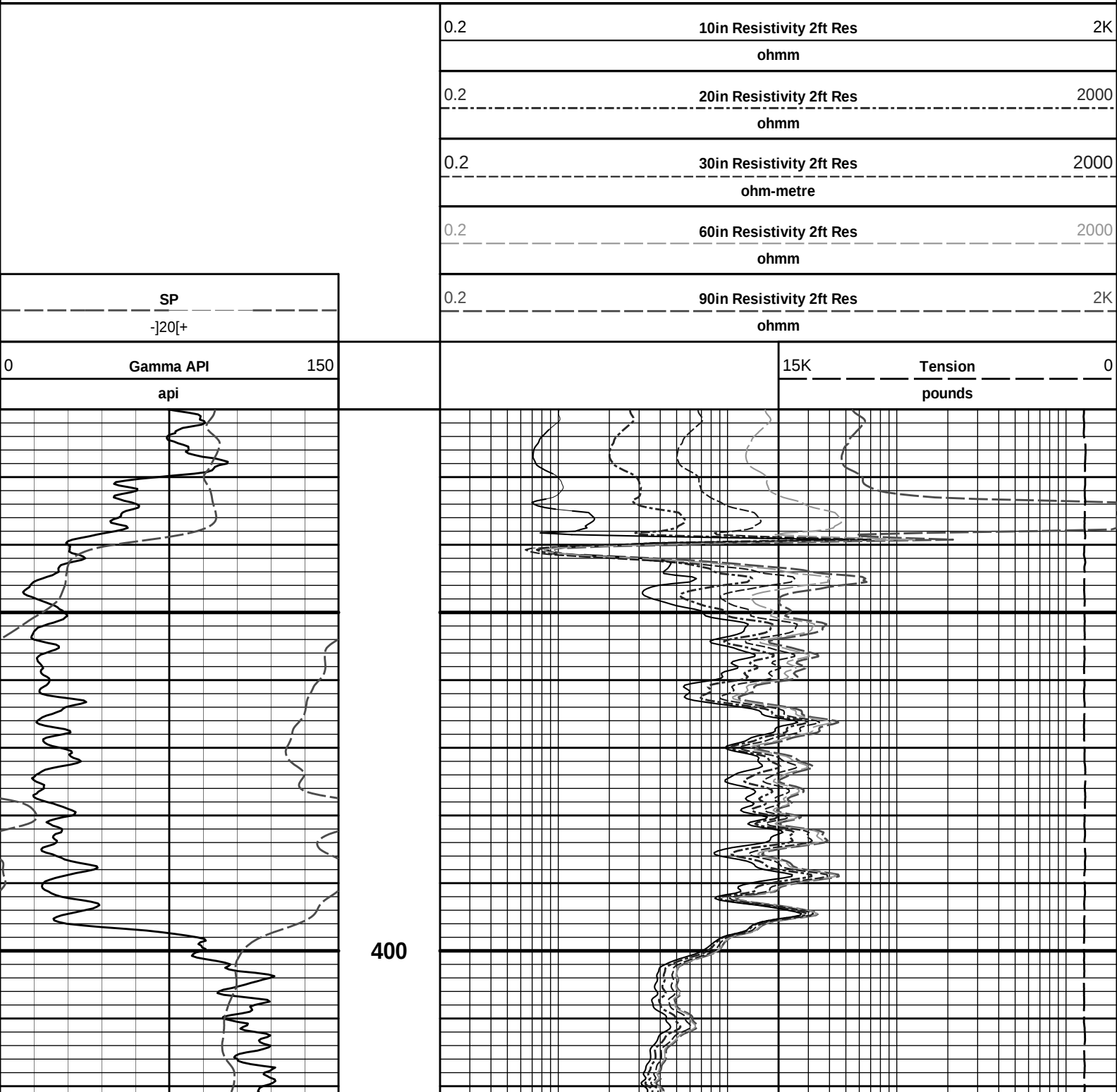
0 20in Resistivity 2ft Res 100
ohm-metre
0 90in Resistivity 2ft Res 100
ohm-metre

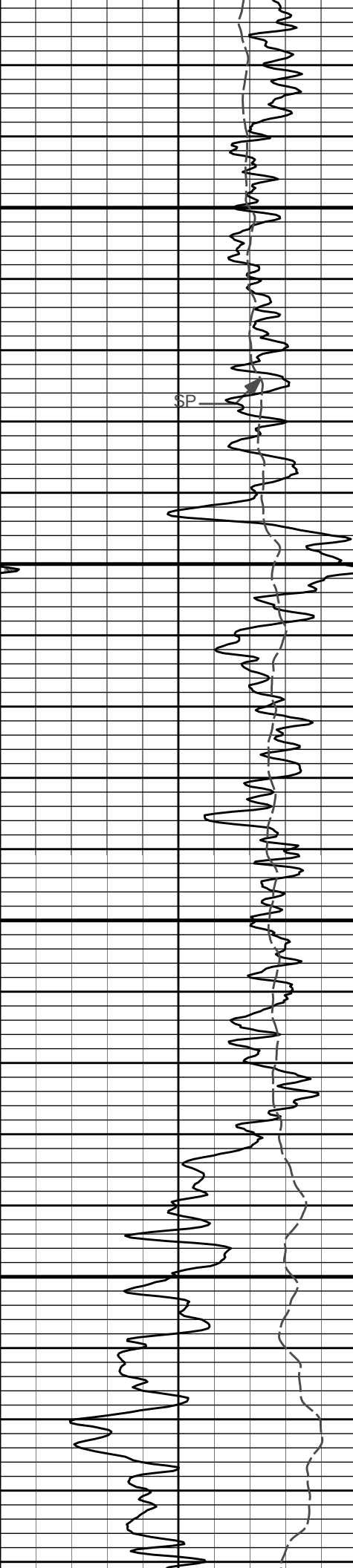
1000 90in Conductivity 2ft Res 0
mmho per metre

Plot File: \\-LOCAL-\\WOOD_Miller9_1\\0001 GTET-WAVE-DSNT-SDLT-ACRT\\ACRT\\ACRT_2_main

5 INCH MAIN LOG

Plot File: \\-LOCAL-\\WOOD_Miller9_1\\0001 GTET-WAVE-DSNT-SDLT-ACRT\\ACRT\\ACRT_5inch_main



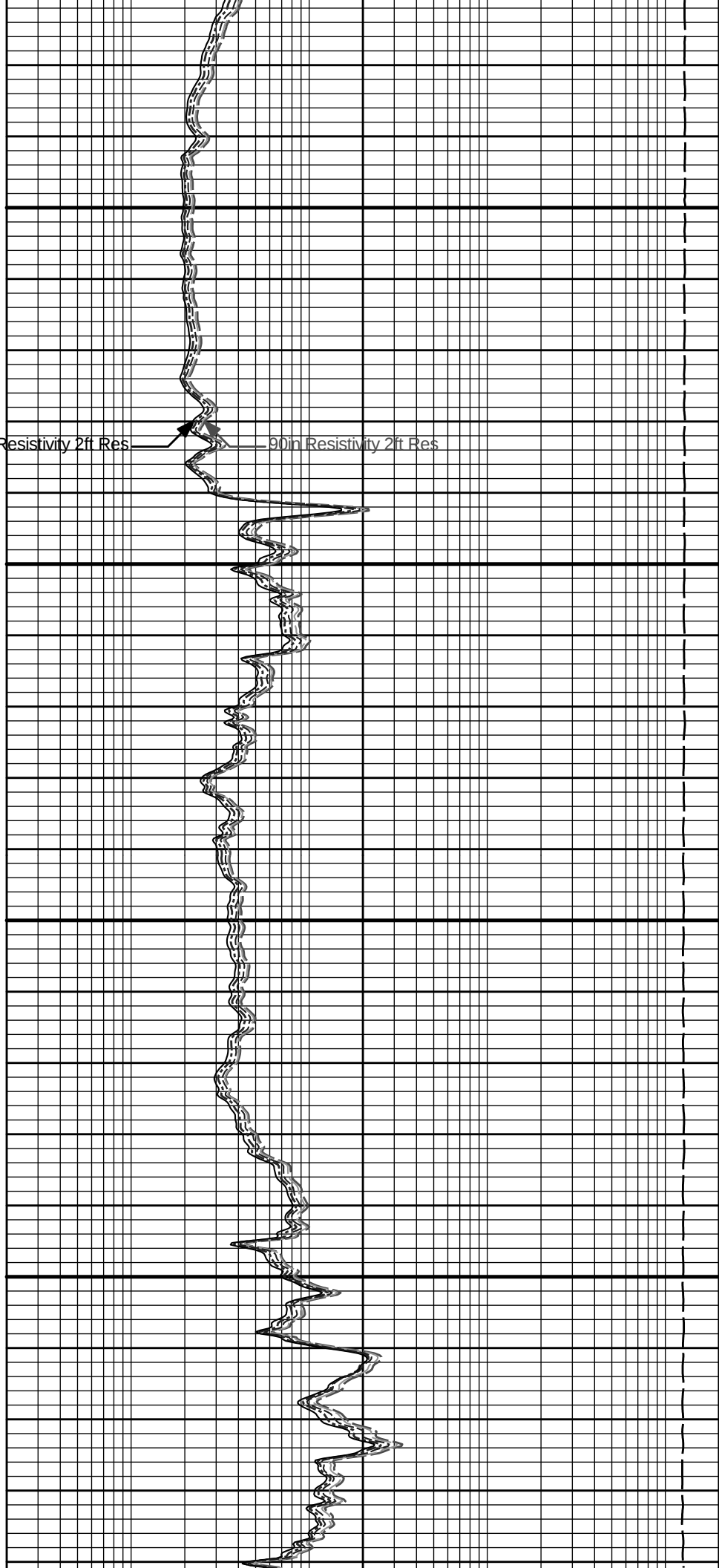


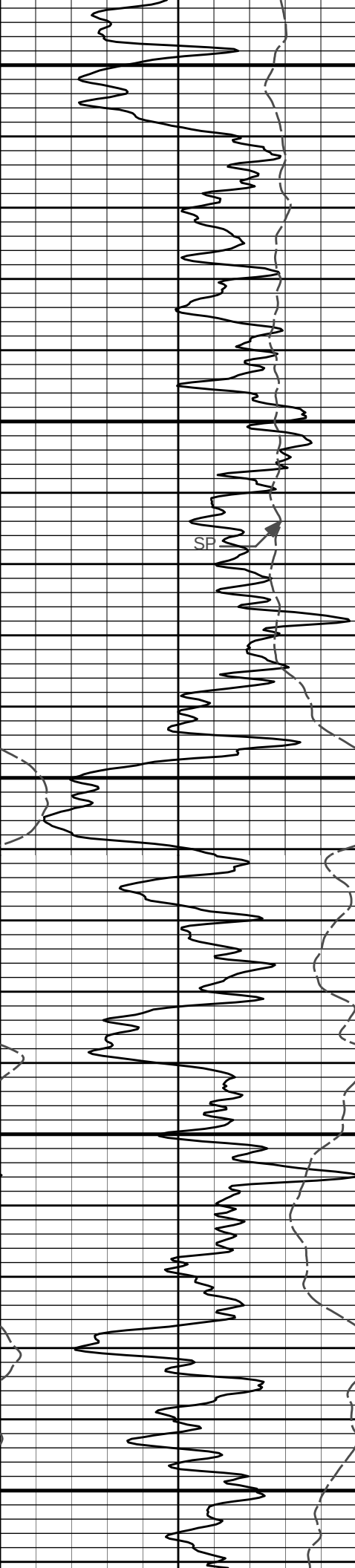
500

600

10in Resistivity 2ft Res

90in Resistivity 2ft Res

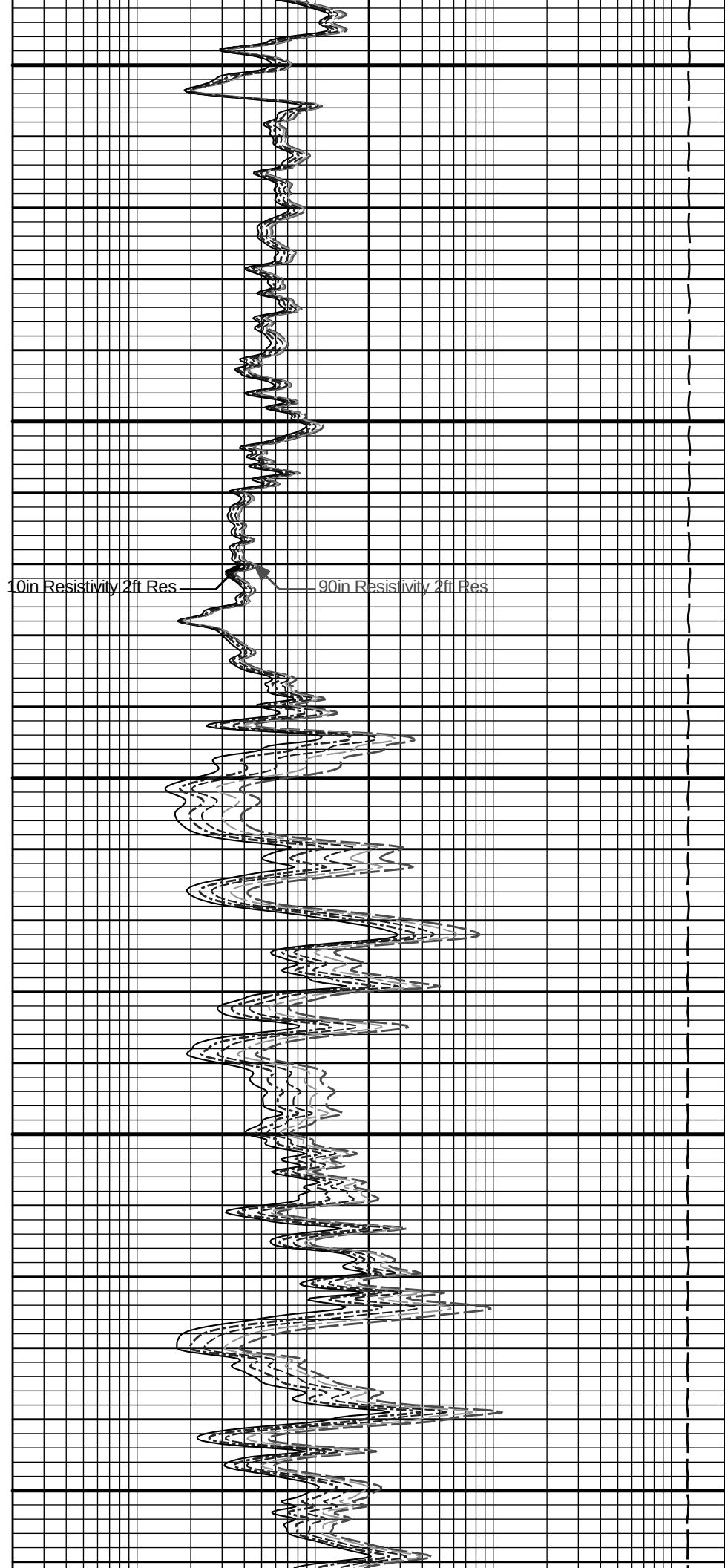




700

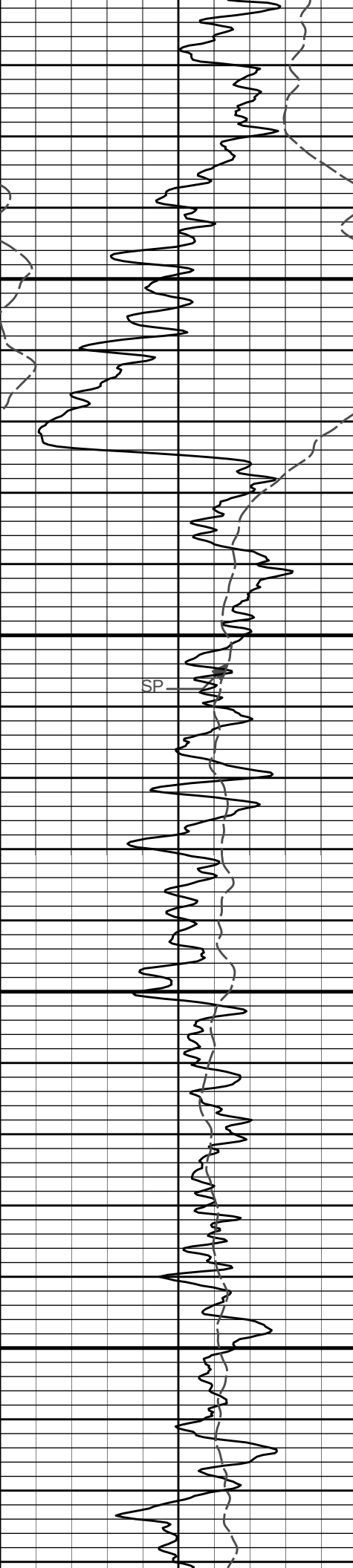
SP

800



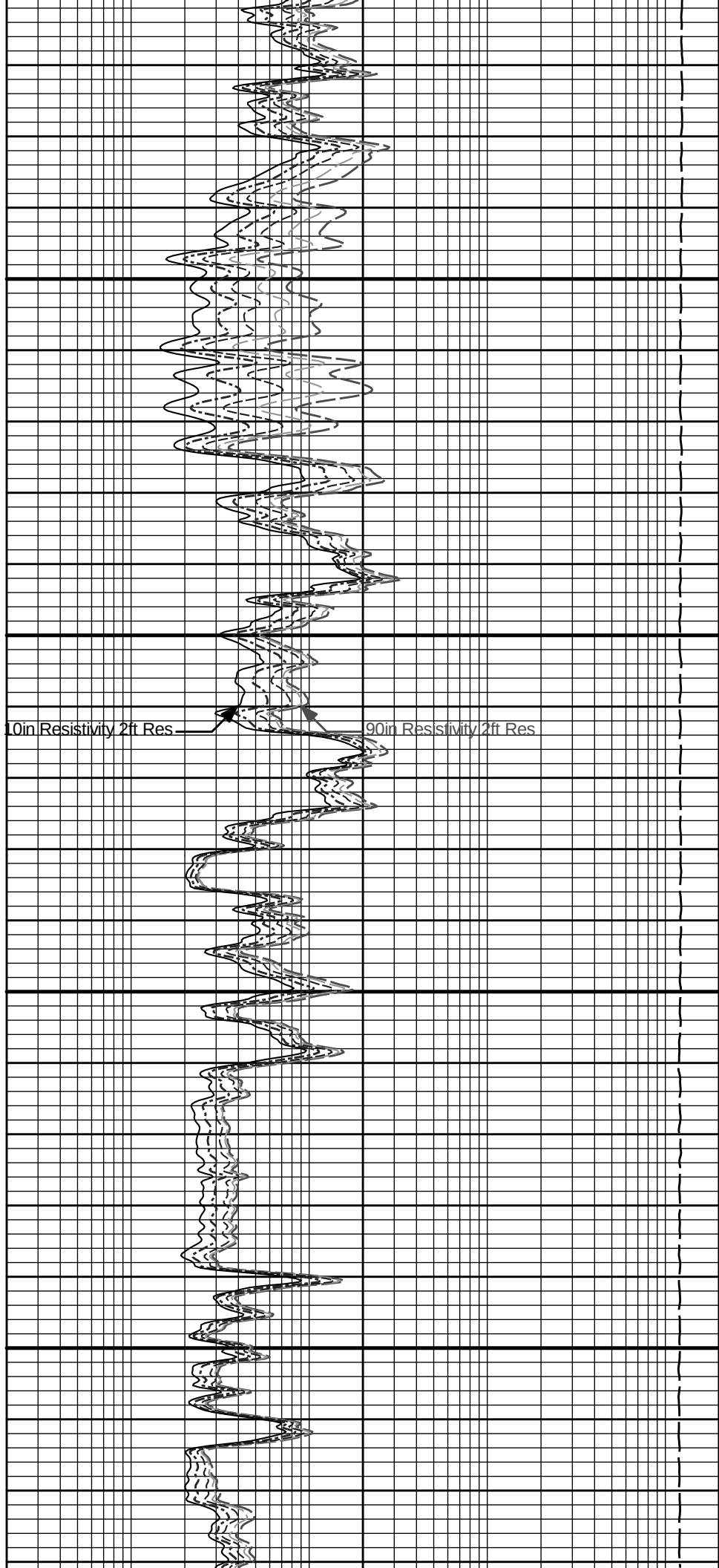
10in Resistivity 2ft Res

90in Resistivity 2ft Res



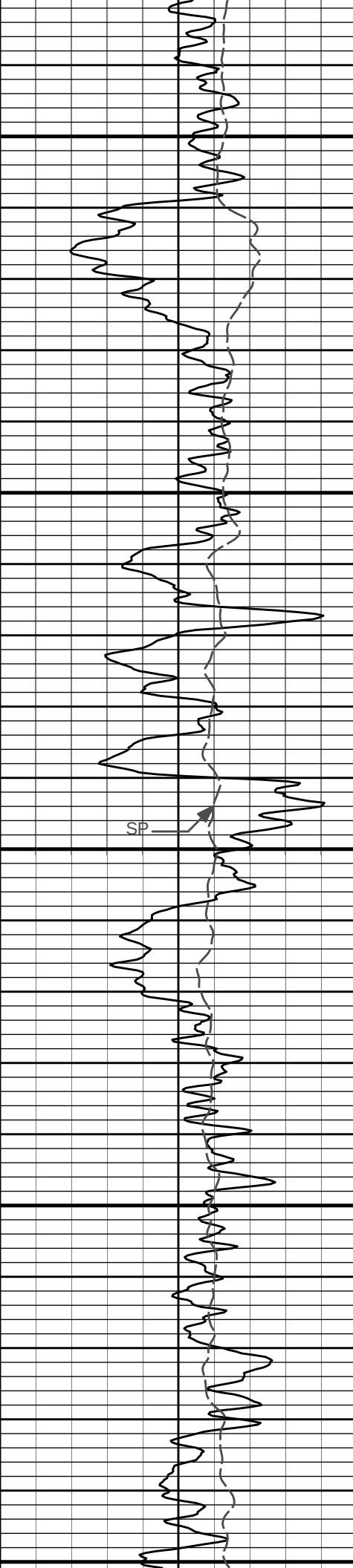
900

1000



10in Resistivity 2ft Res.

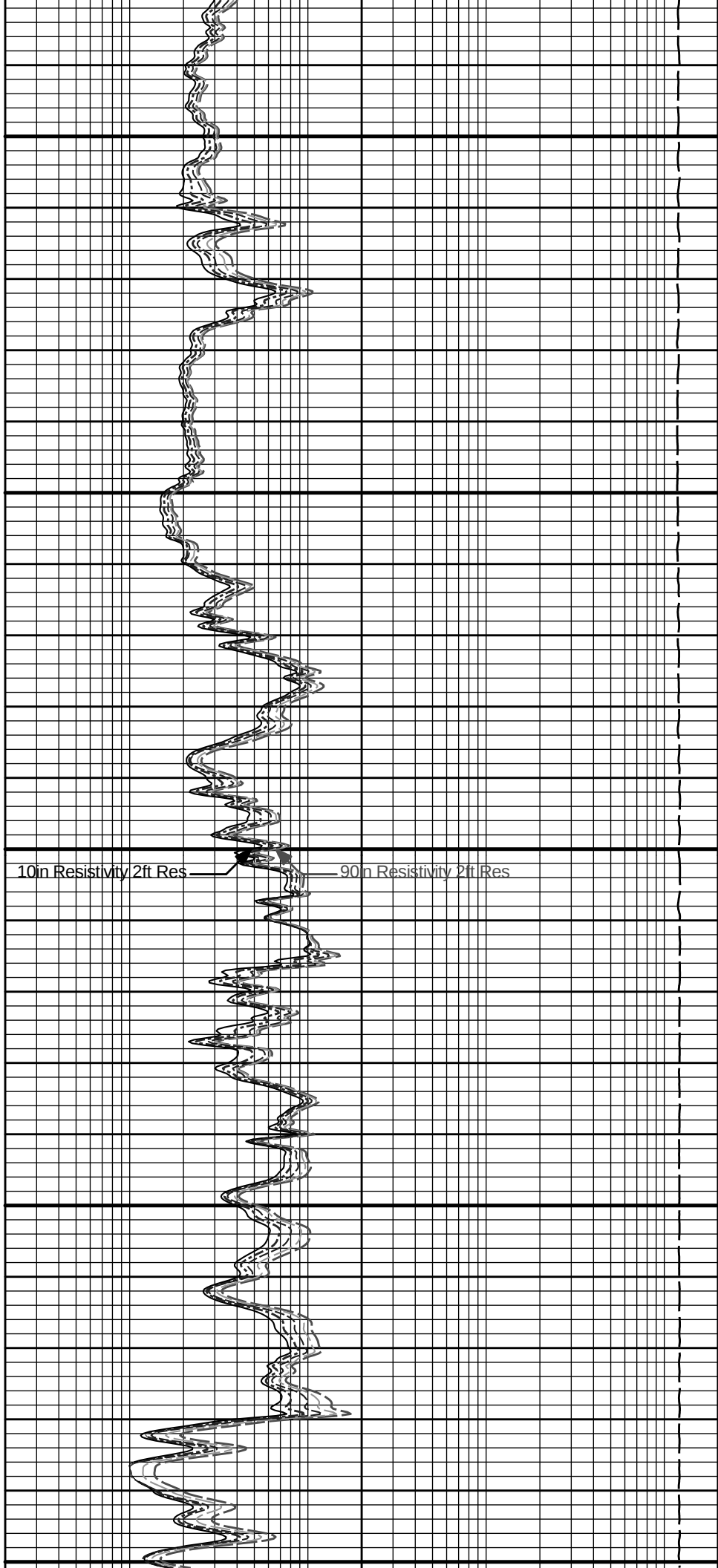
90in Resistivity 2ft Res.



1100

1200

1300

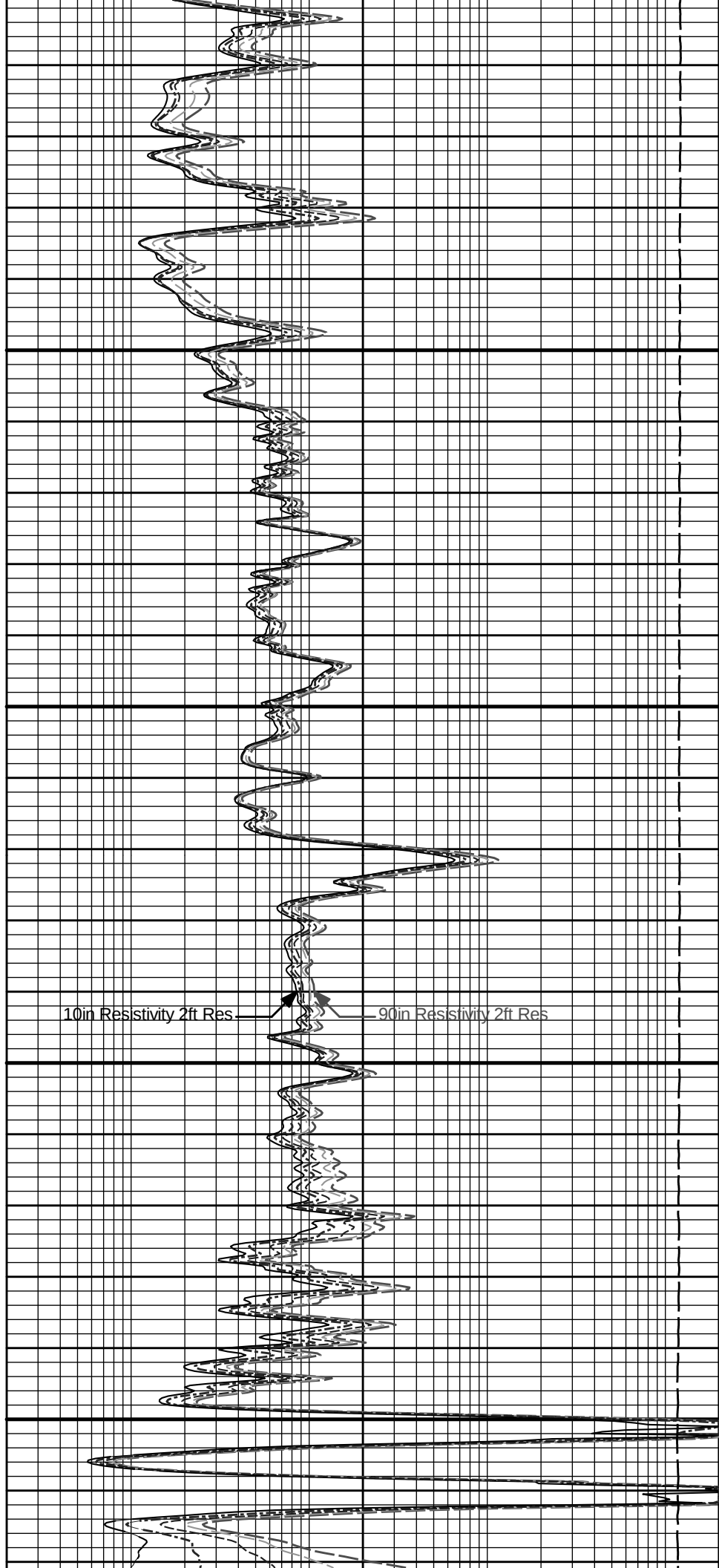




1300

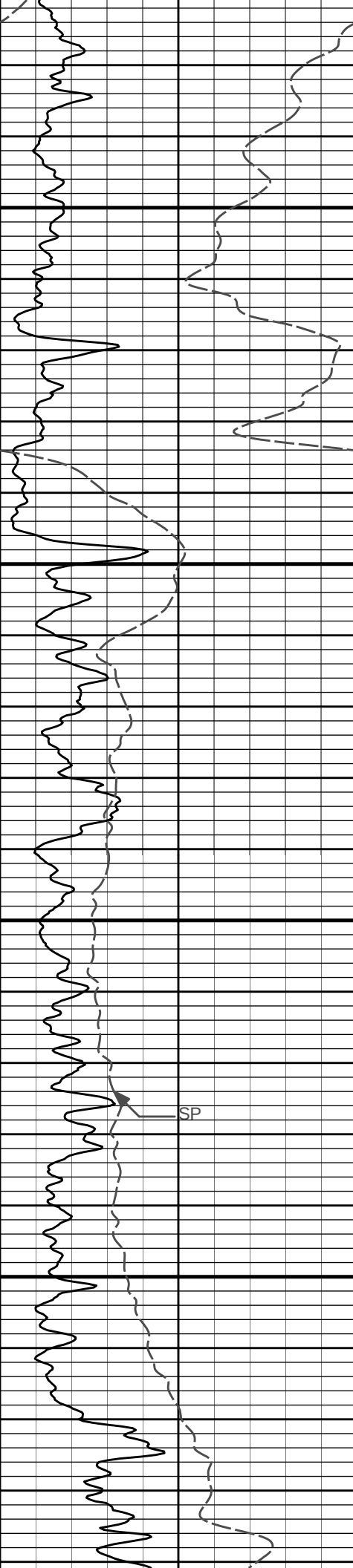
1400

1500



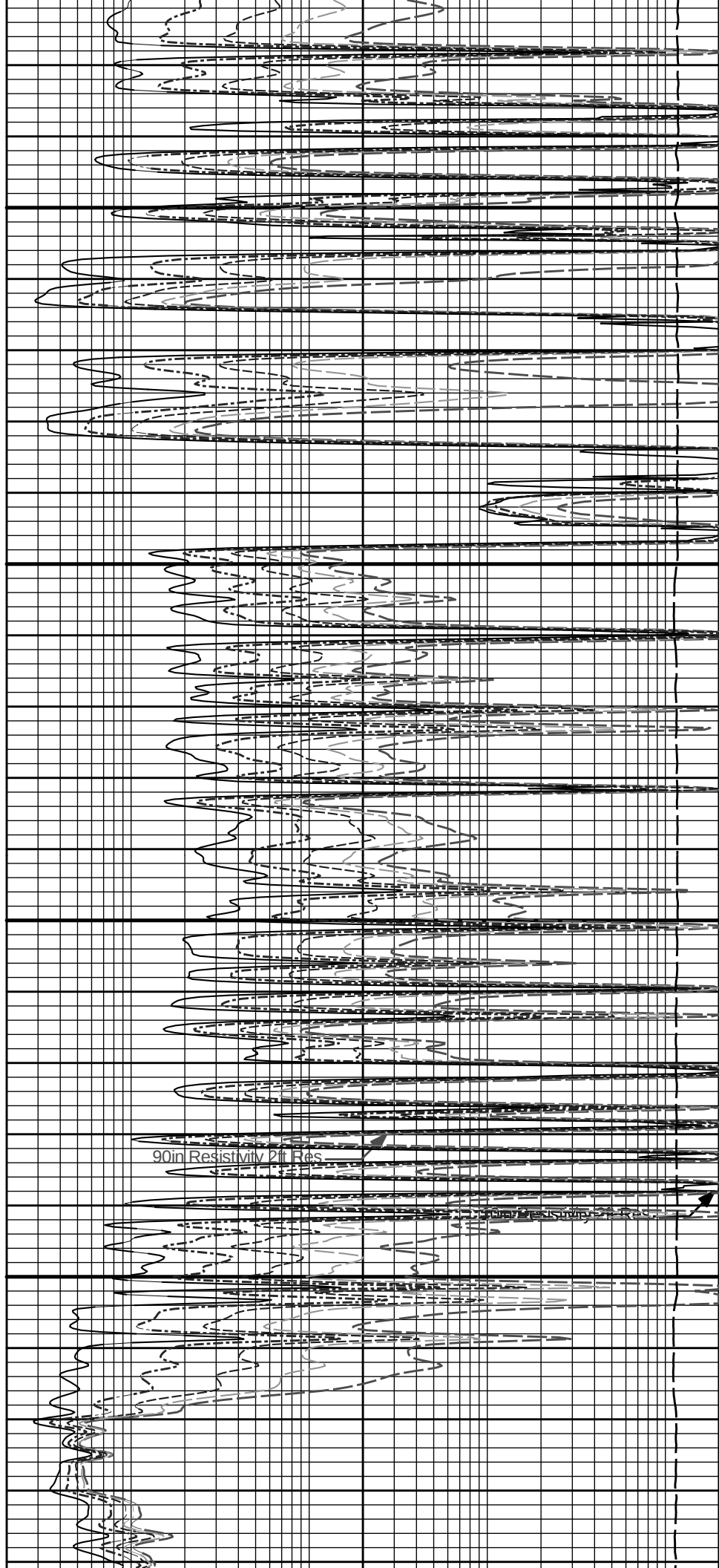
10in Resistivity 2ft Res.

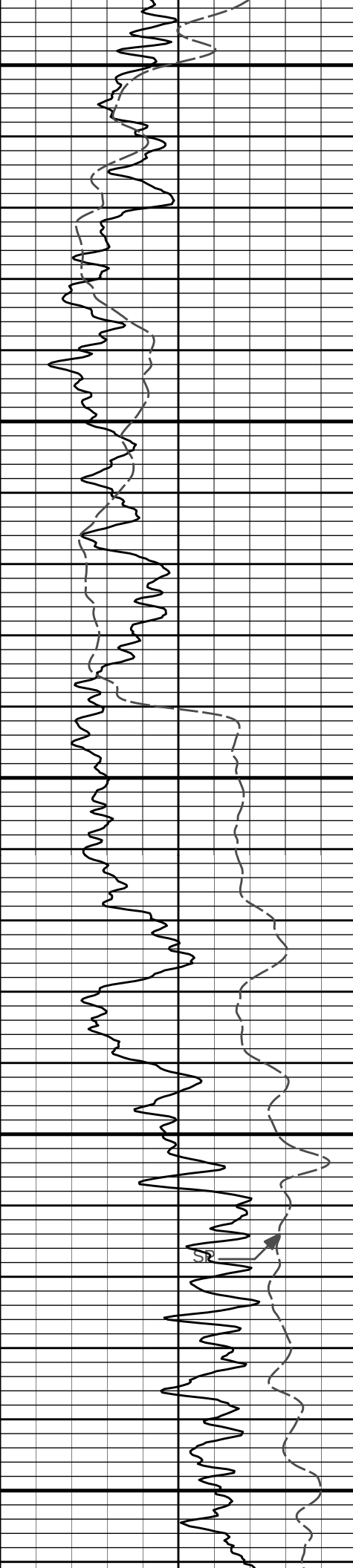
90in Resistivity 2ft Res.



1600

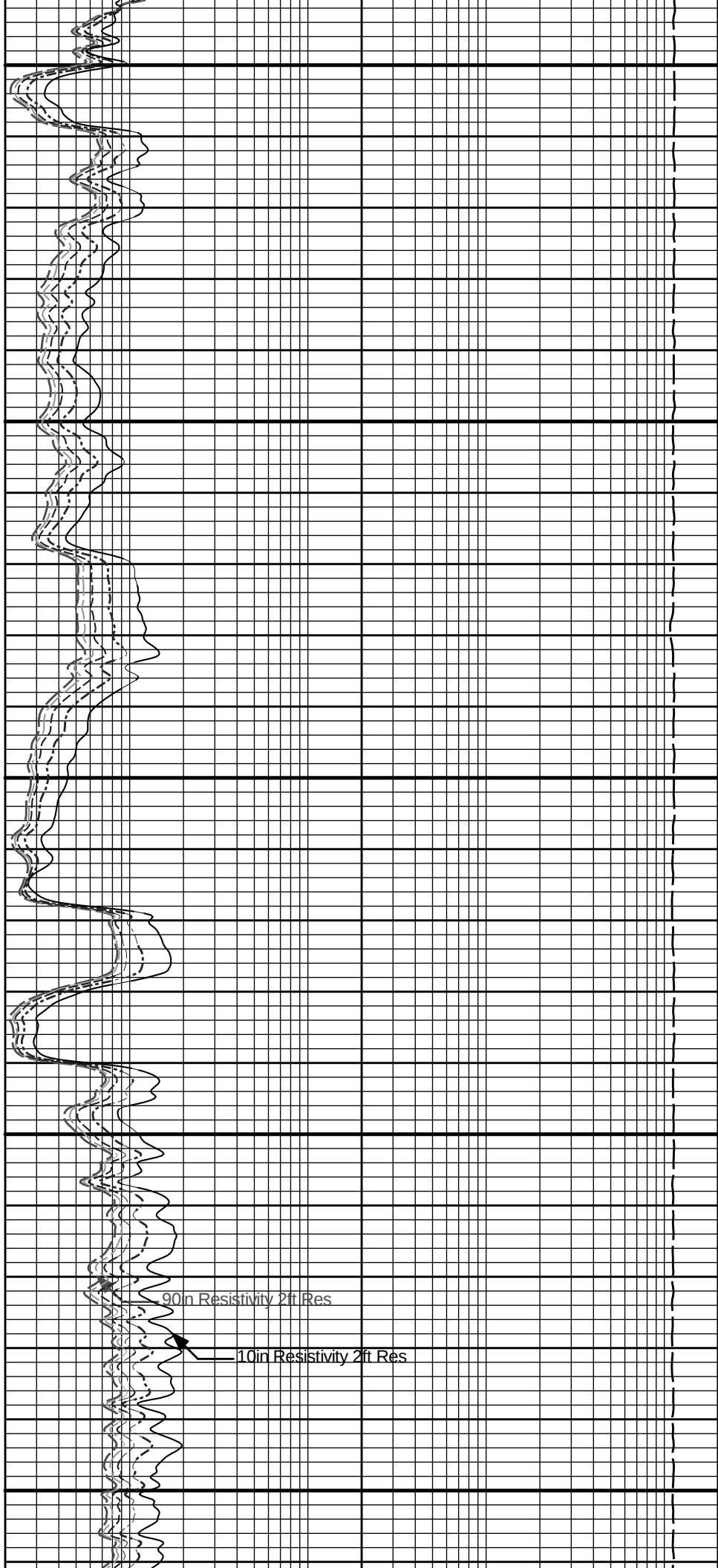
1700





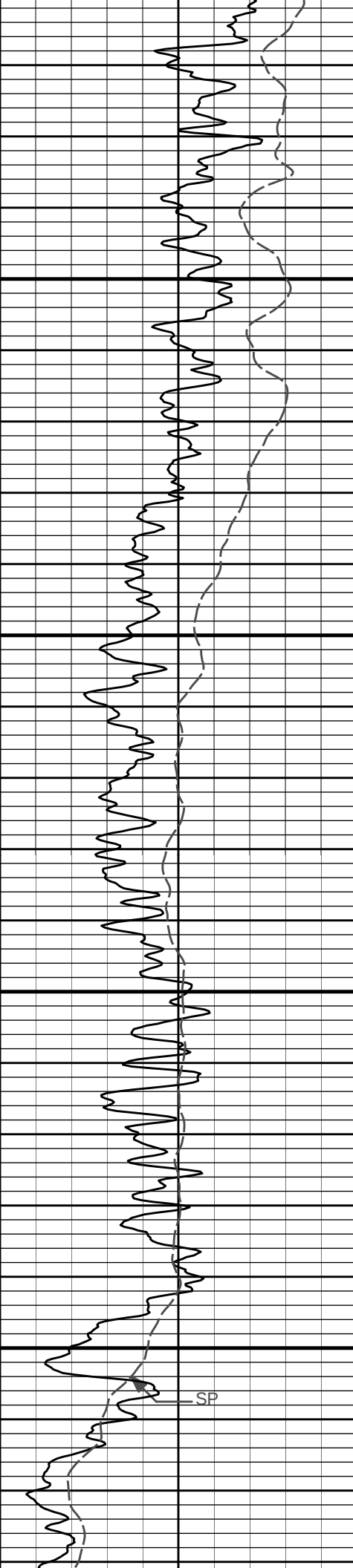
1800

1900



90in Resistivity 2ft Res

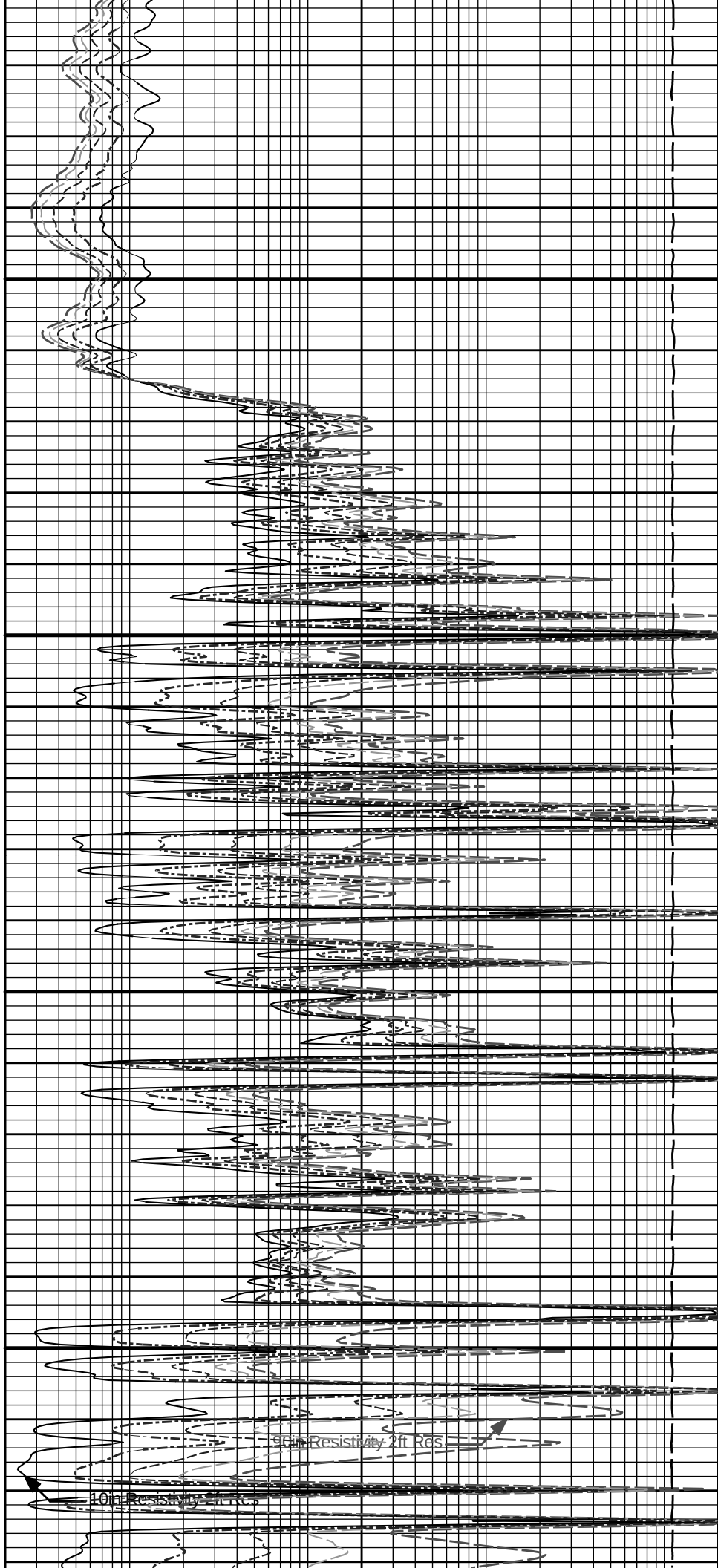
10in Resistivity 2ft Res



2000

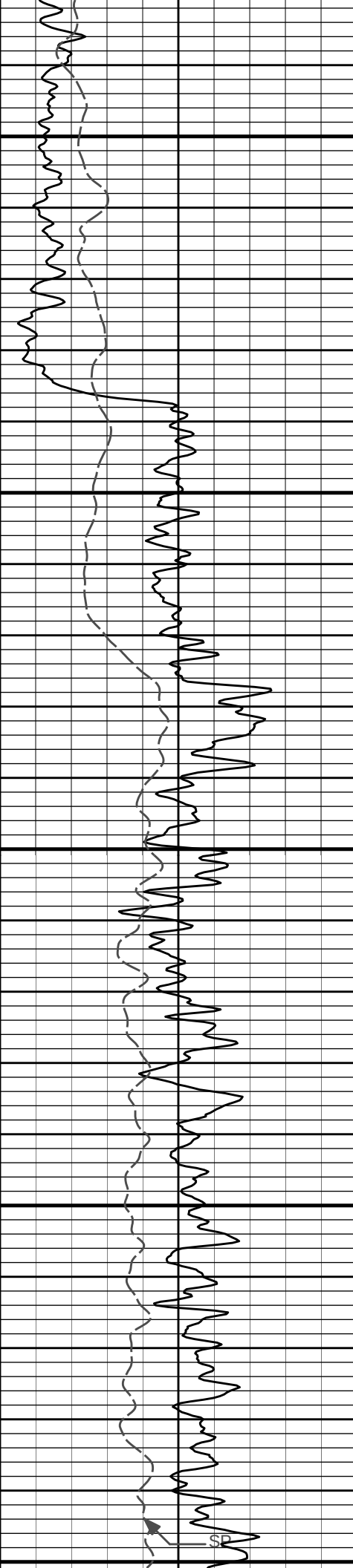
2100

SP



9ft Resistivity 2ft Res.

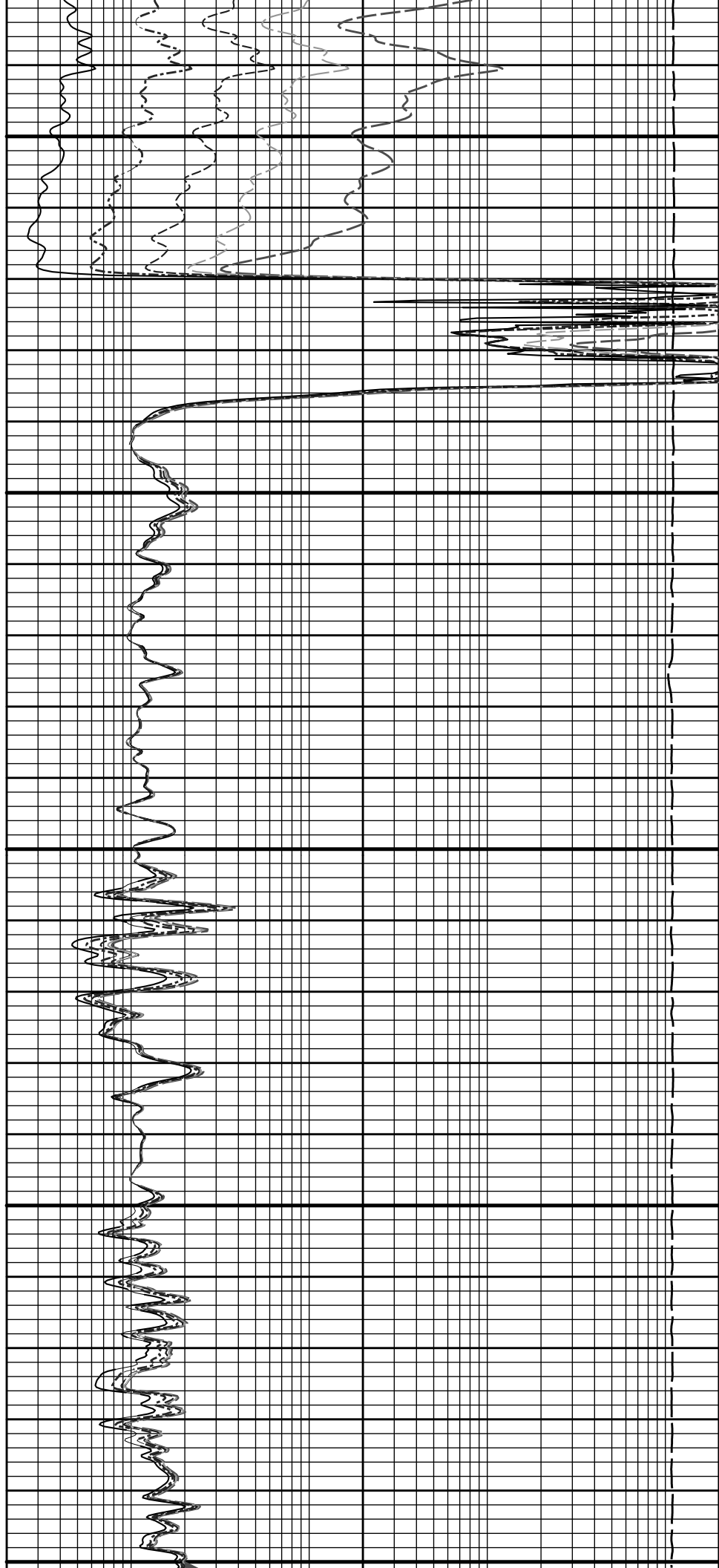
10ft Resistivity 2ft Res.

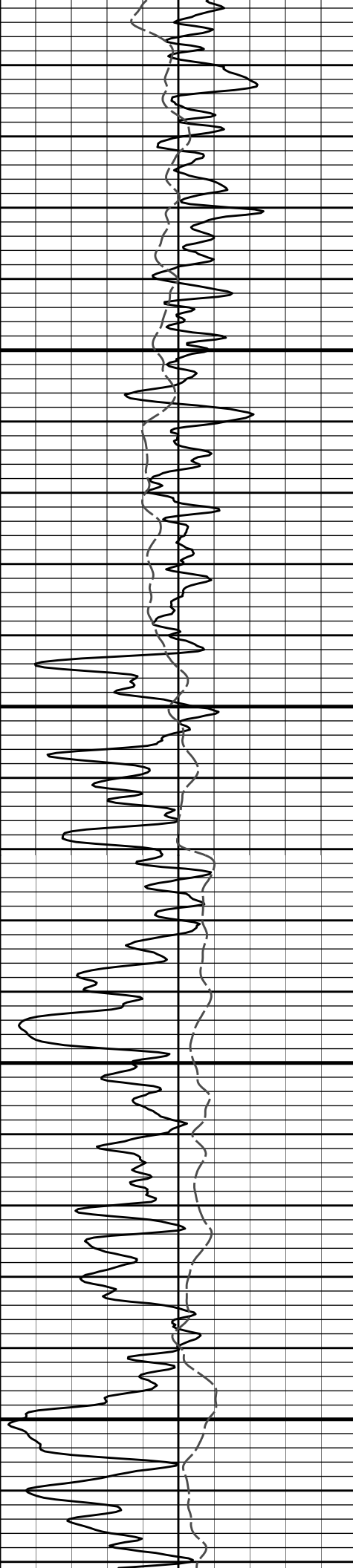


2200

2300

2400

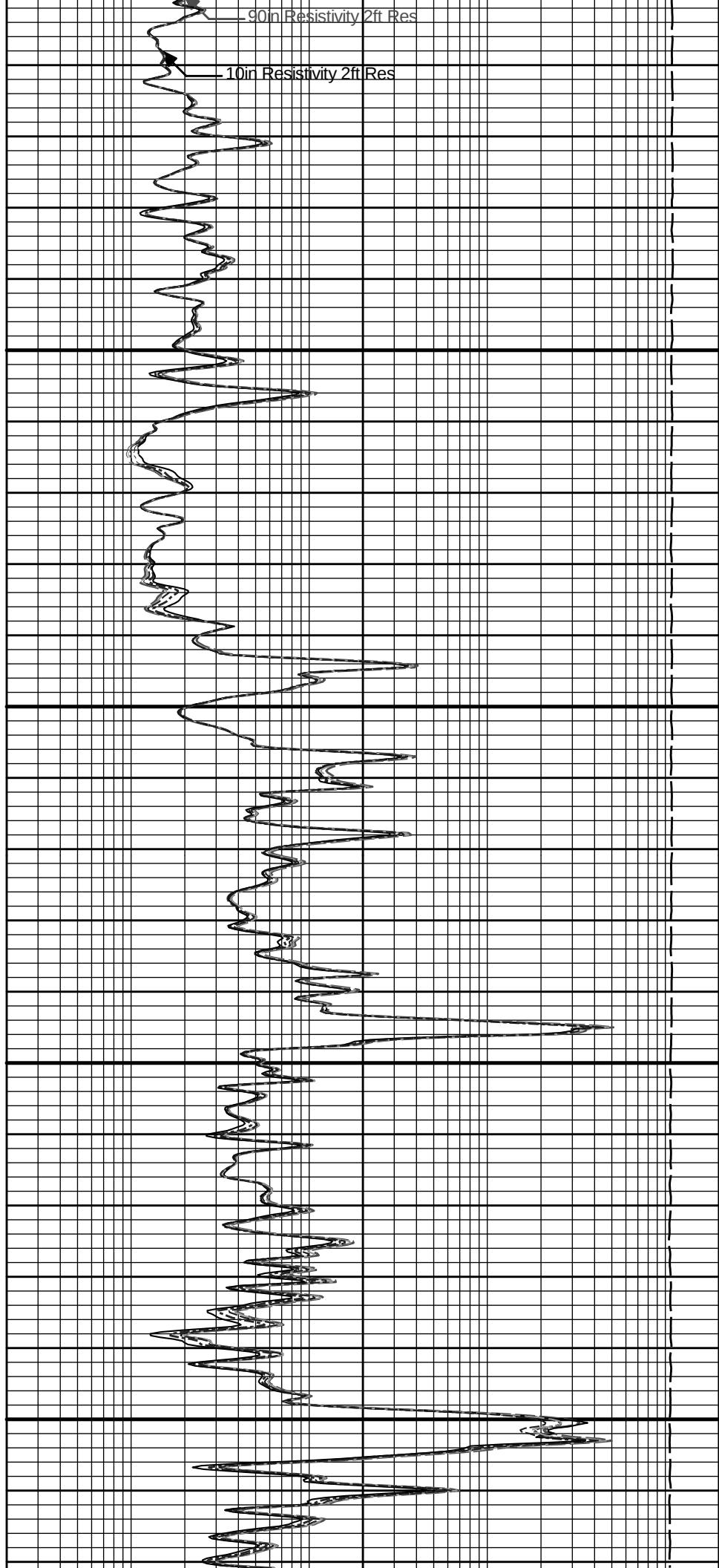


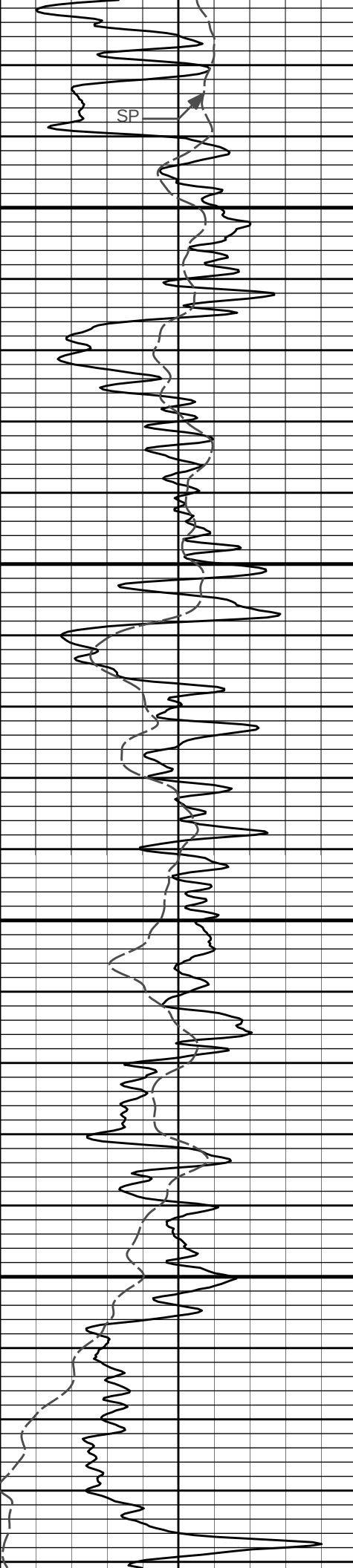


2500

2500

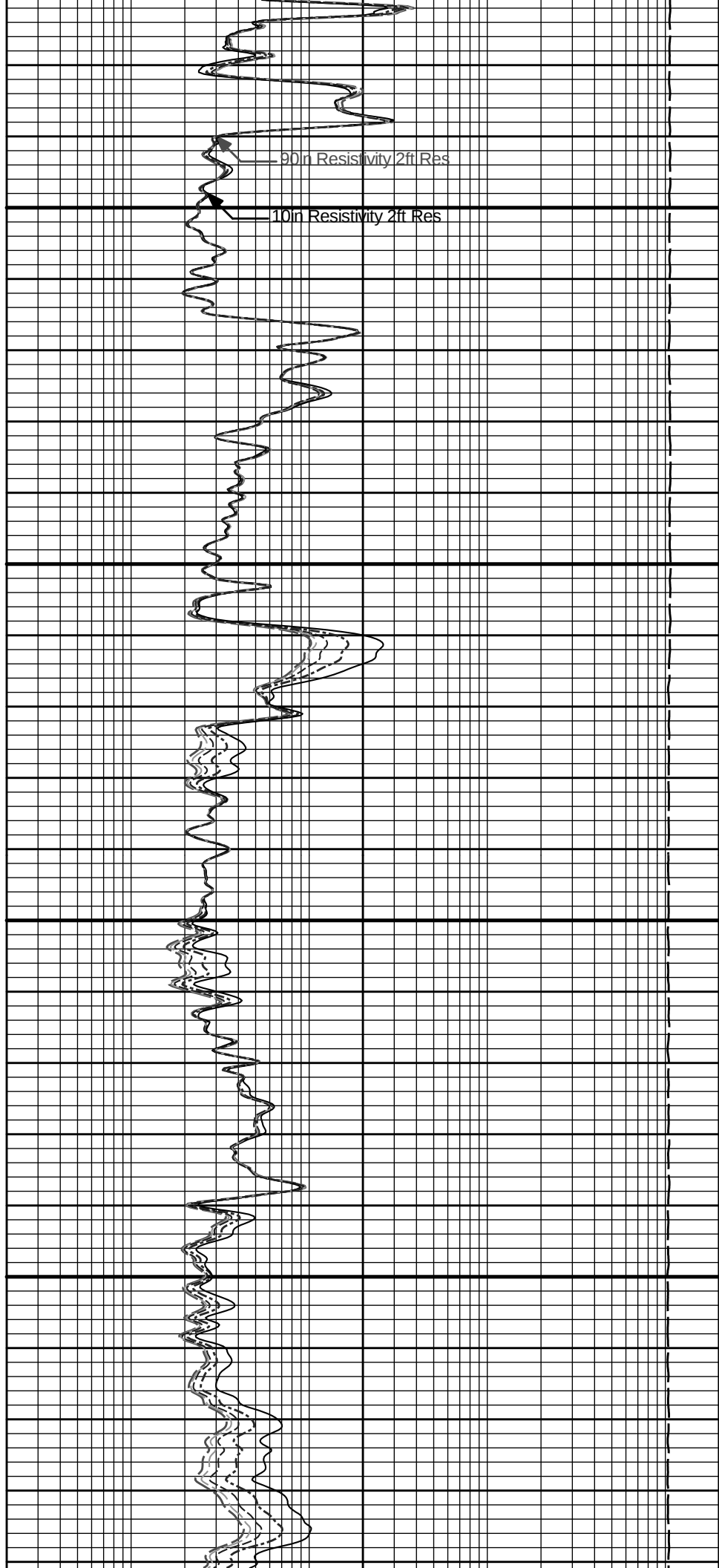
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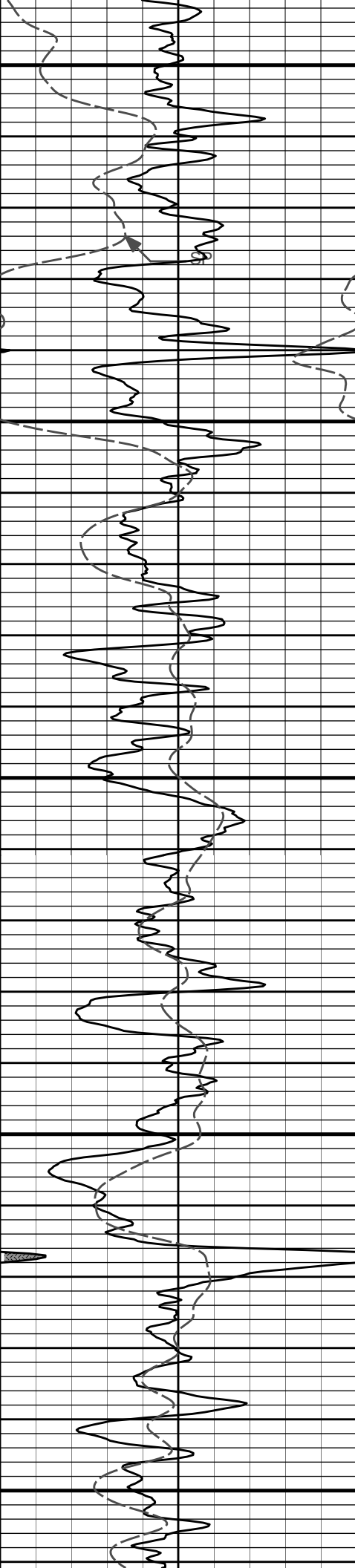




2700

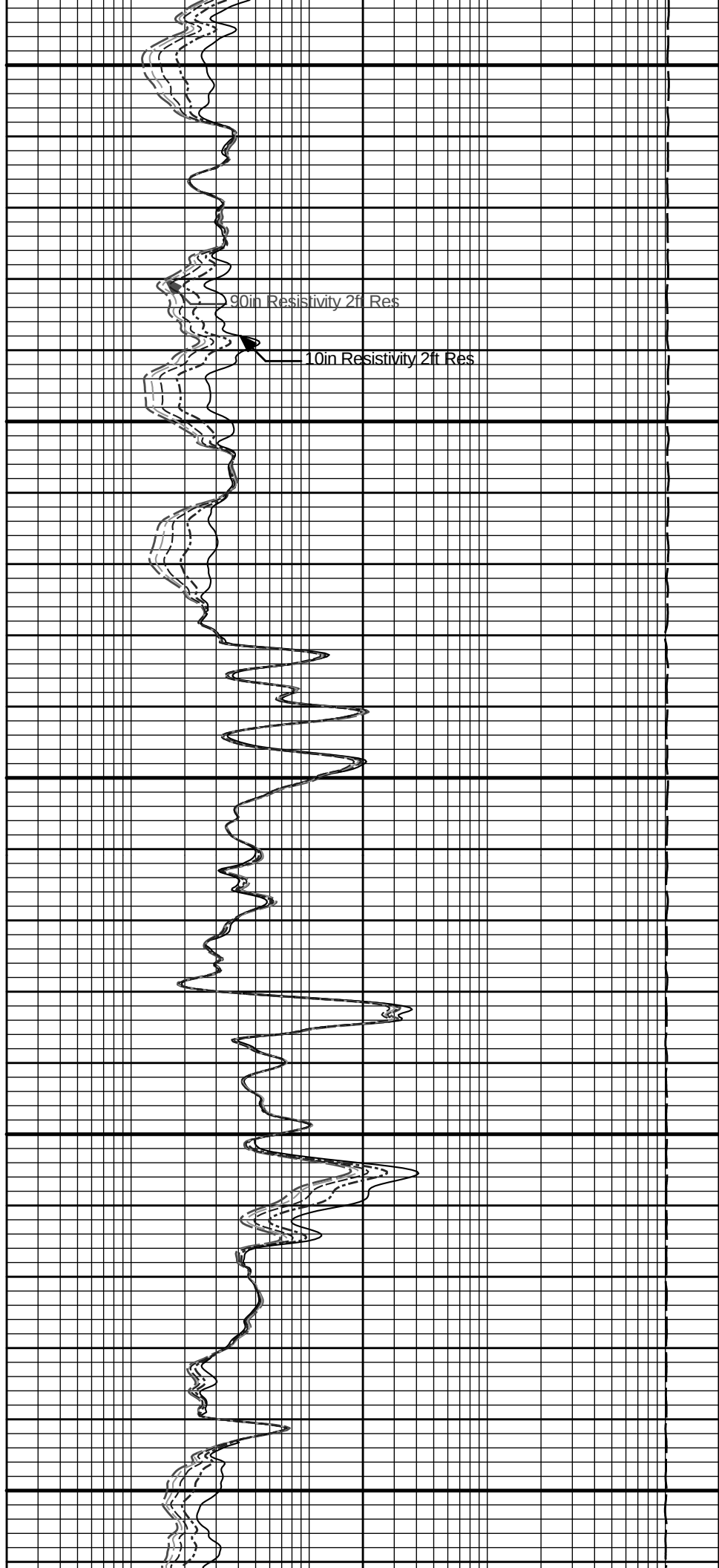
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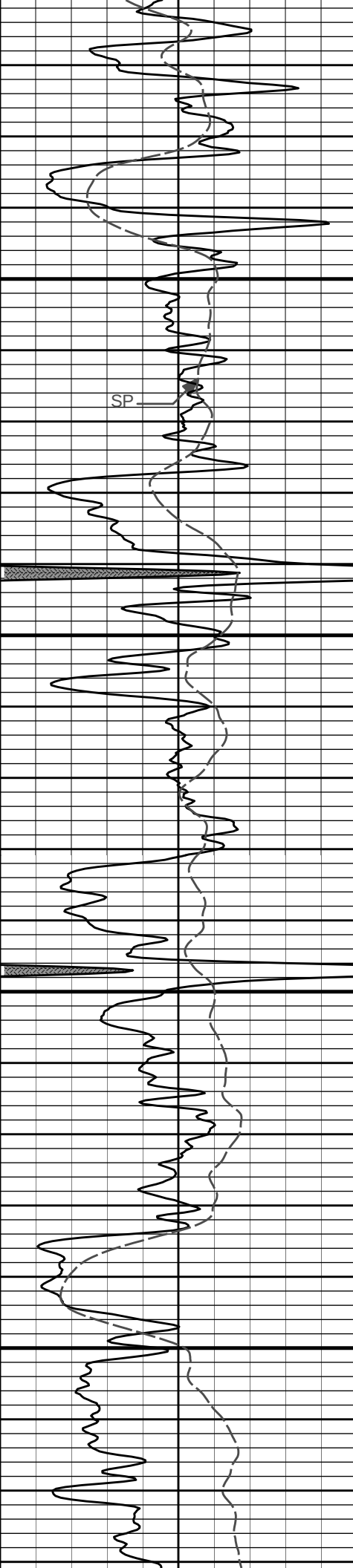




2900

3000

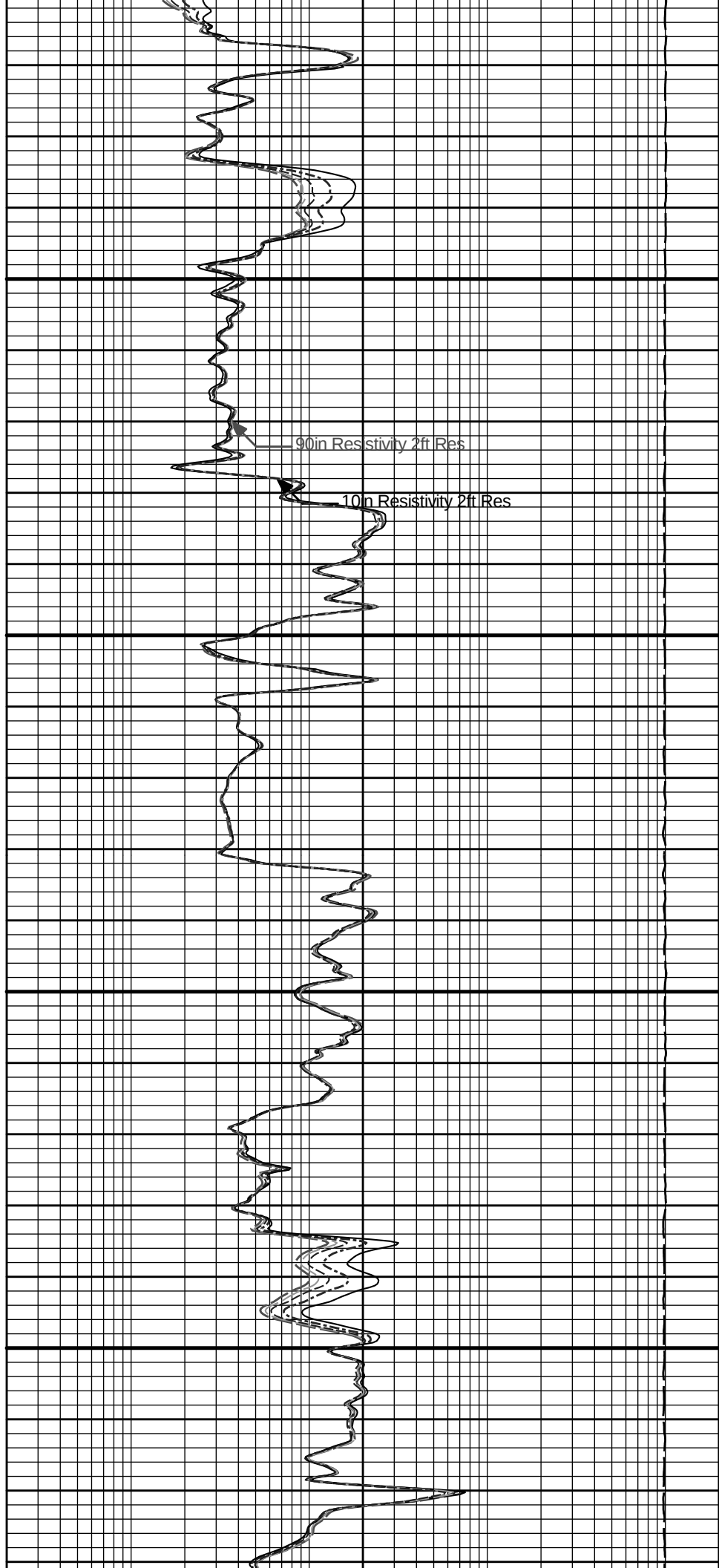




3100

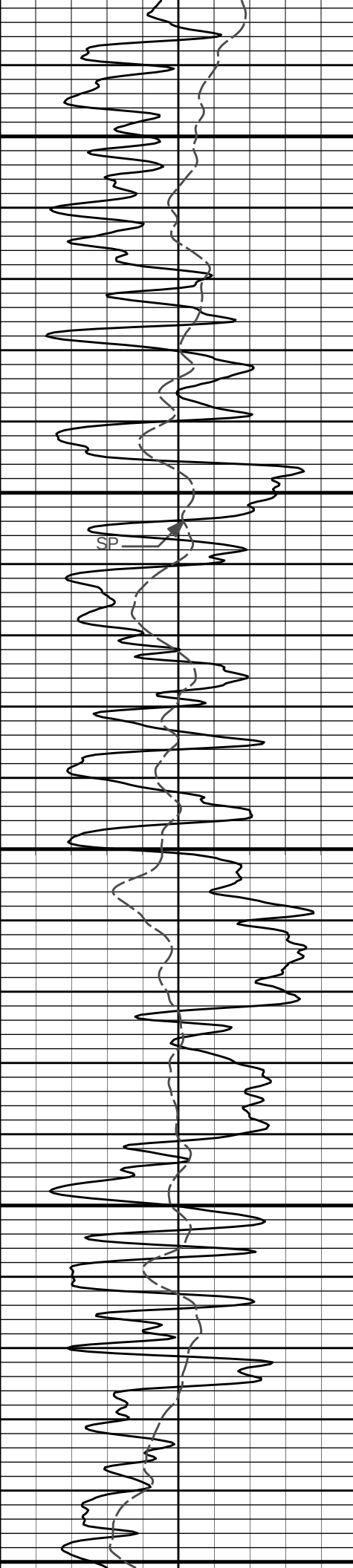
SP

3200



90in Resistivity 2ft Res

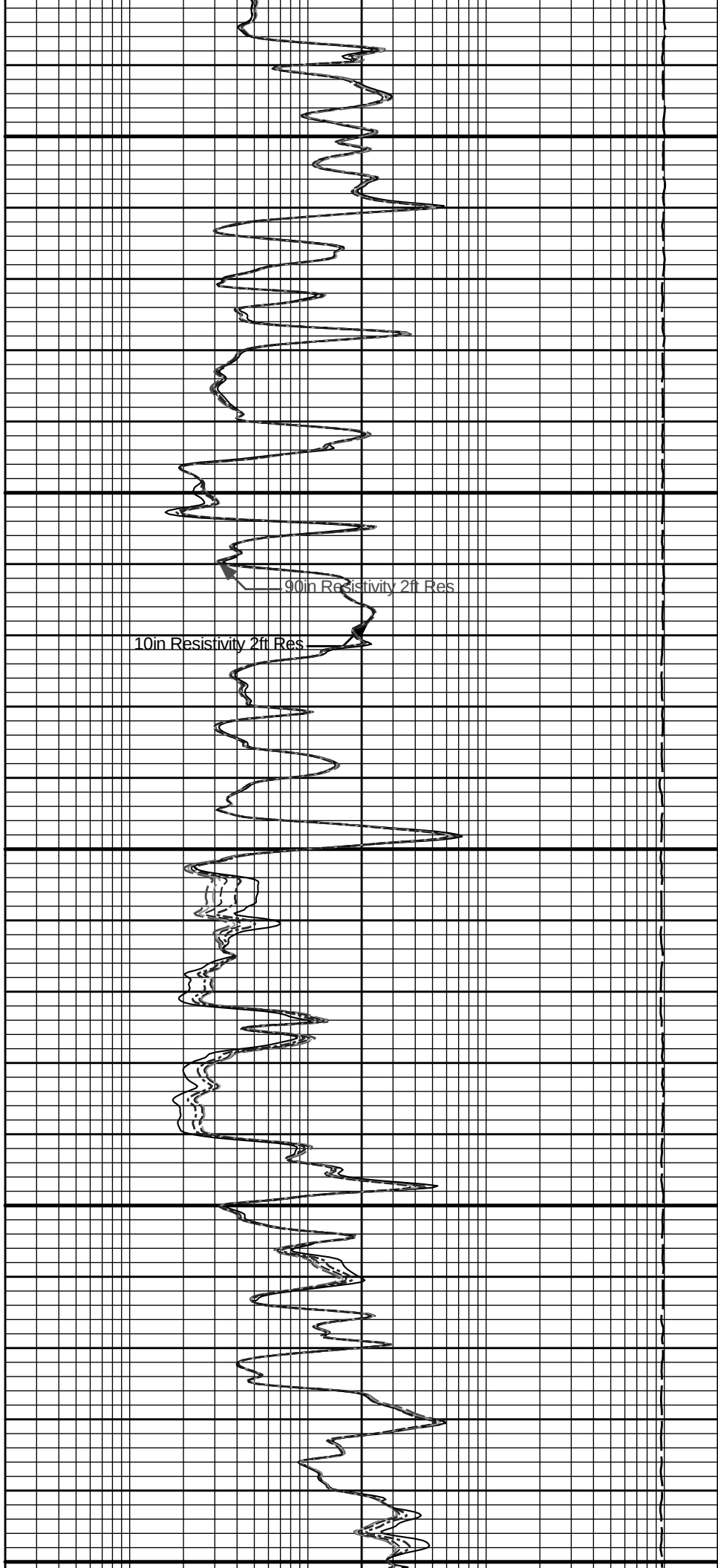
10in Resistivity 2ft Res



3300

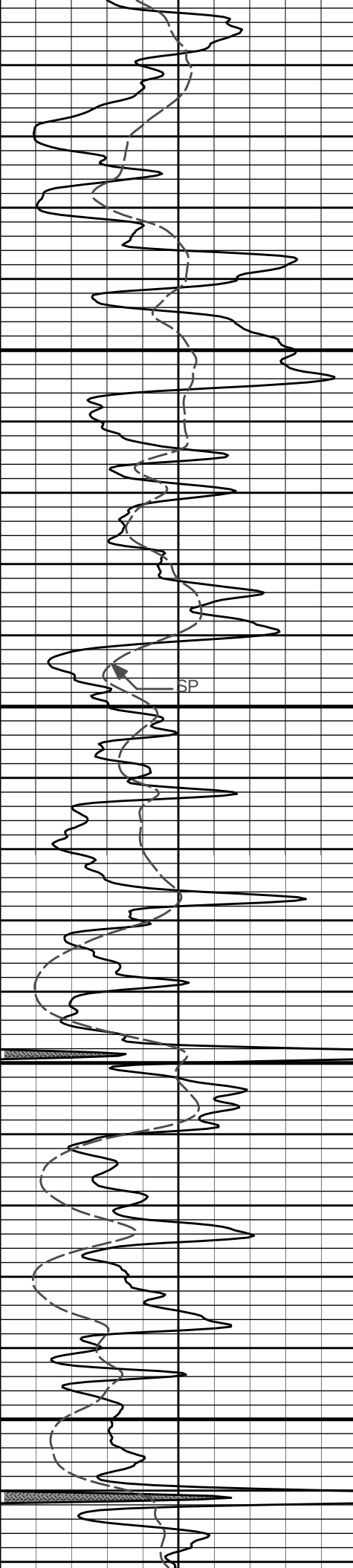
3400

3500



90in Resistivity 2ft Res

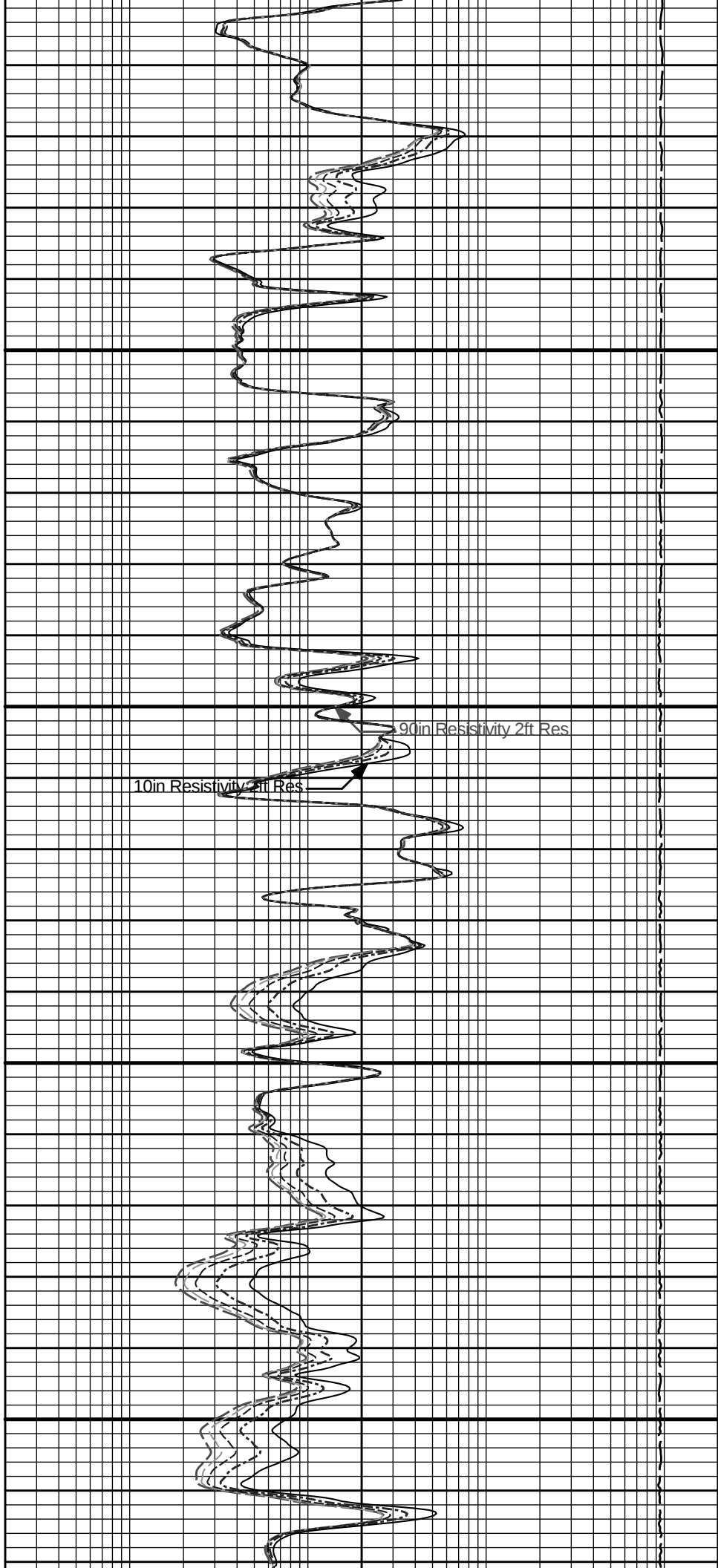
10in Resistivity 2ft Res

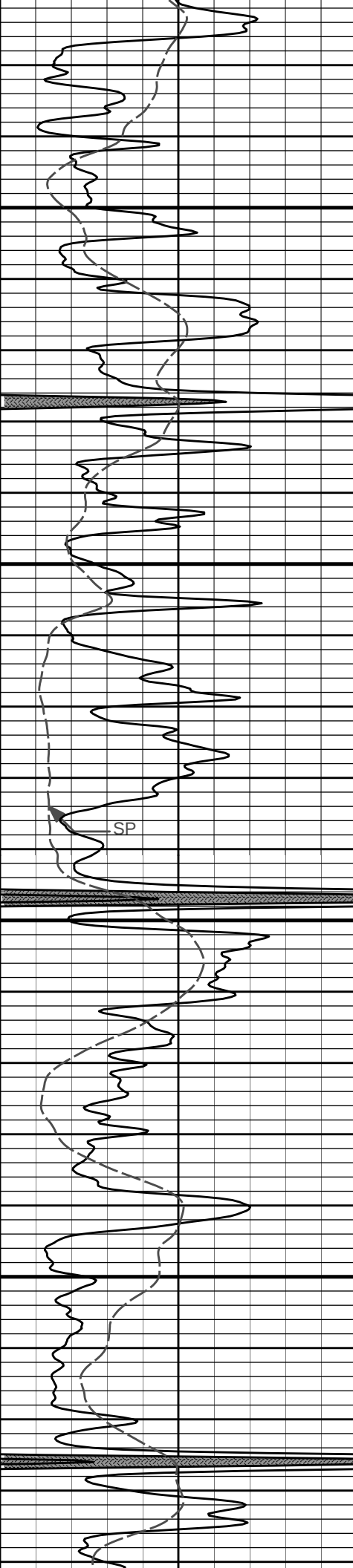


3550

3600

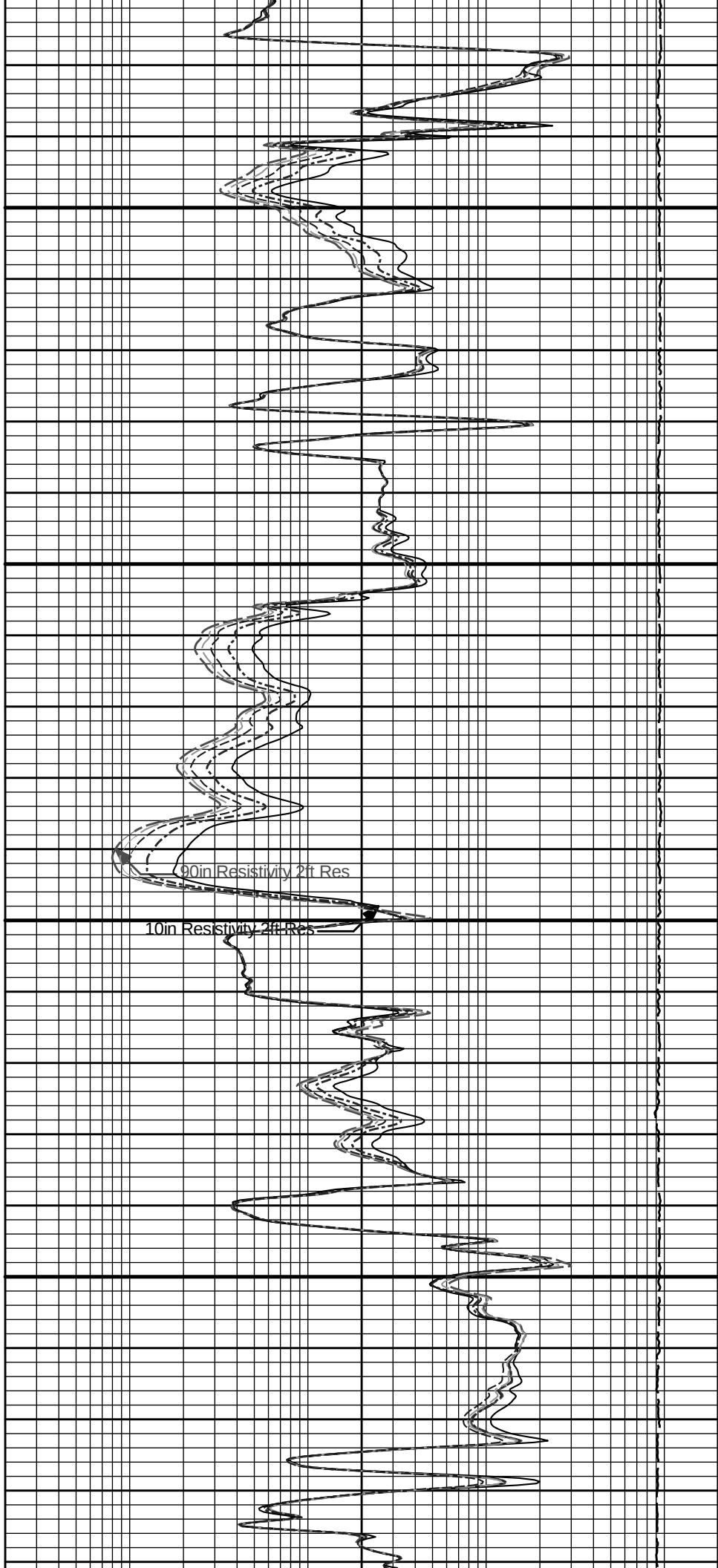
3700

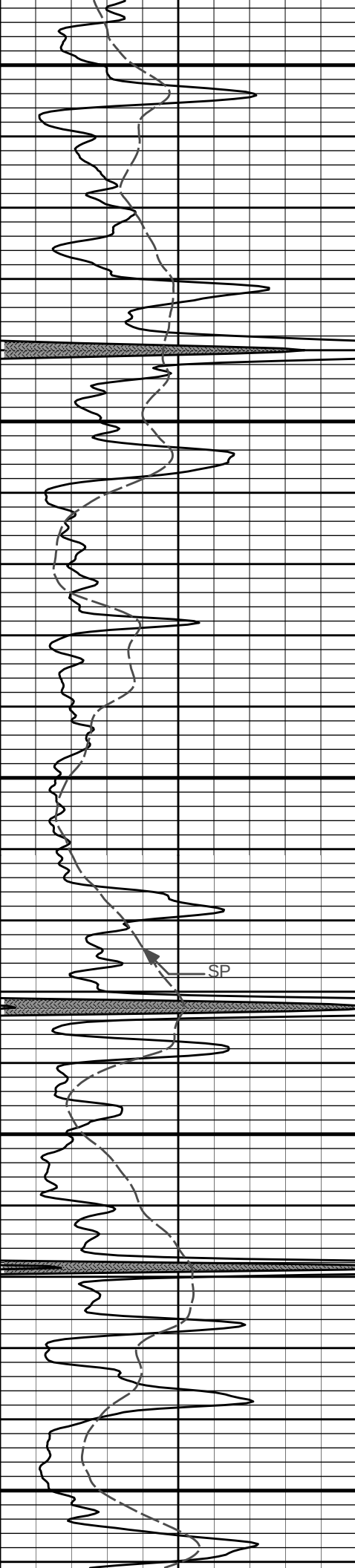




3800

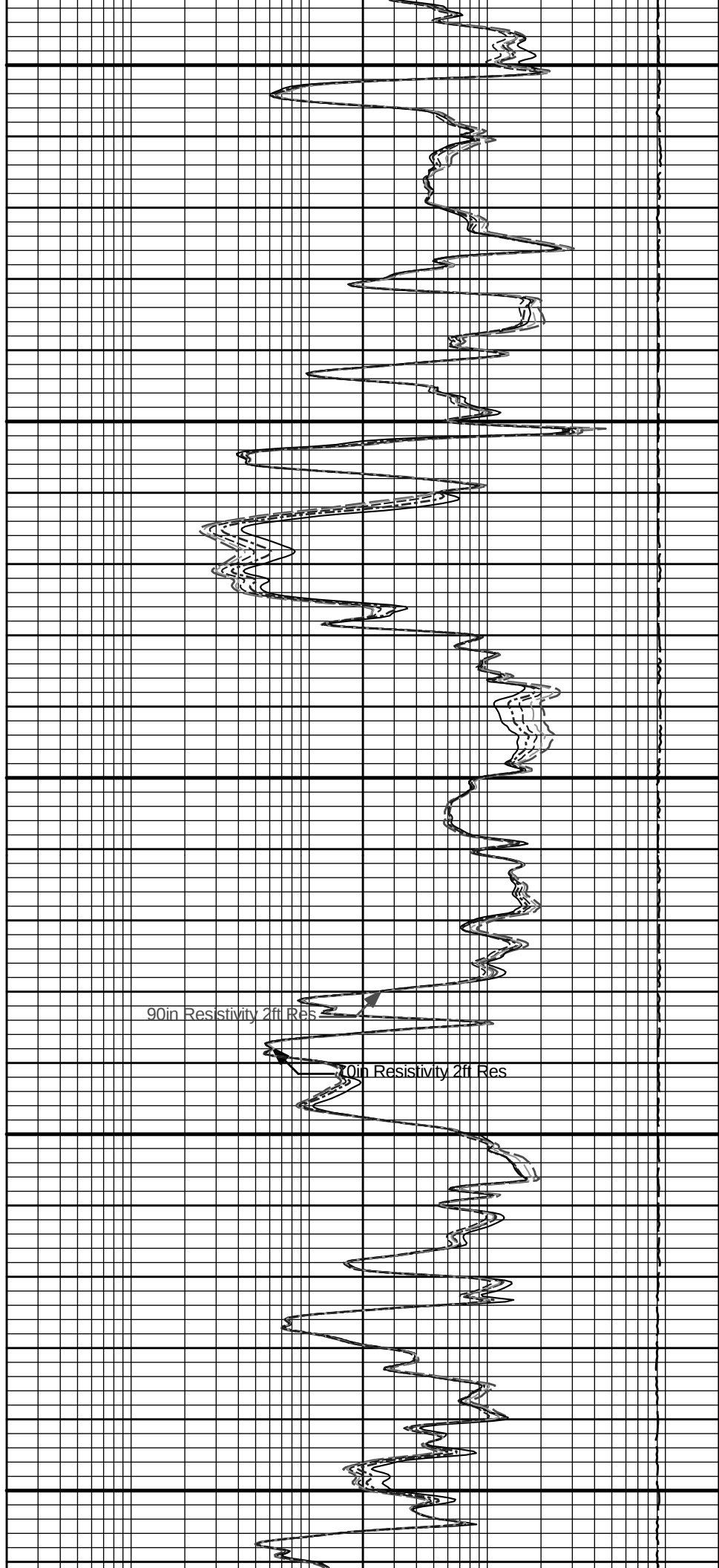
3900





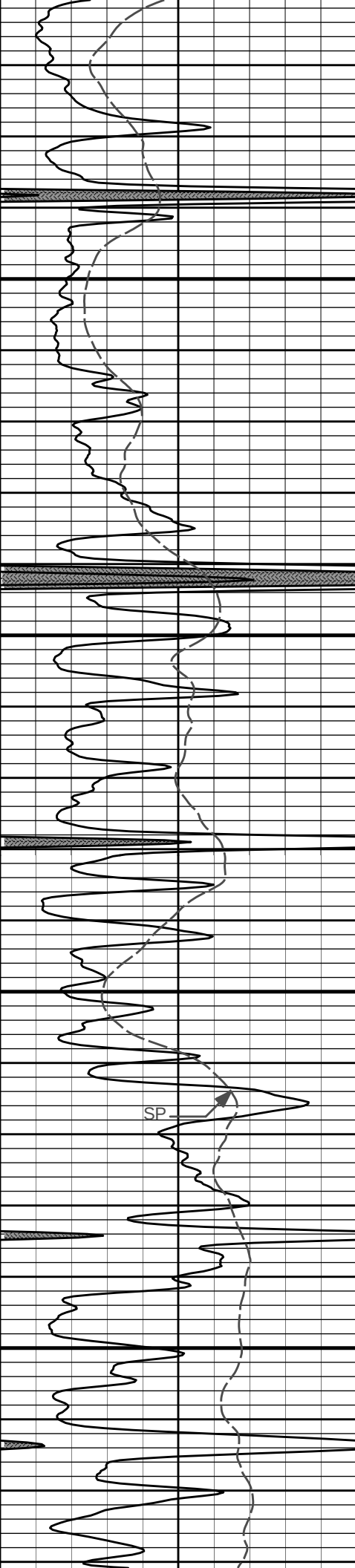
4000

4100



90in Resistivity 2ft Res

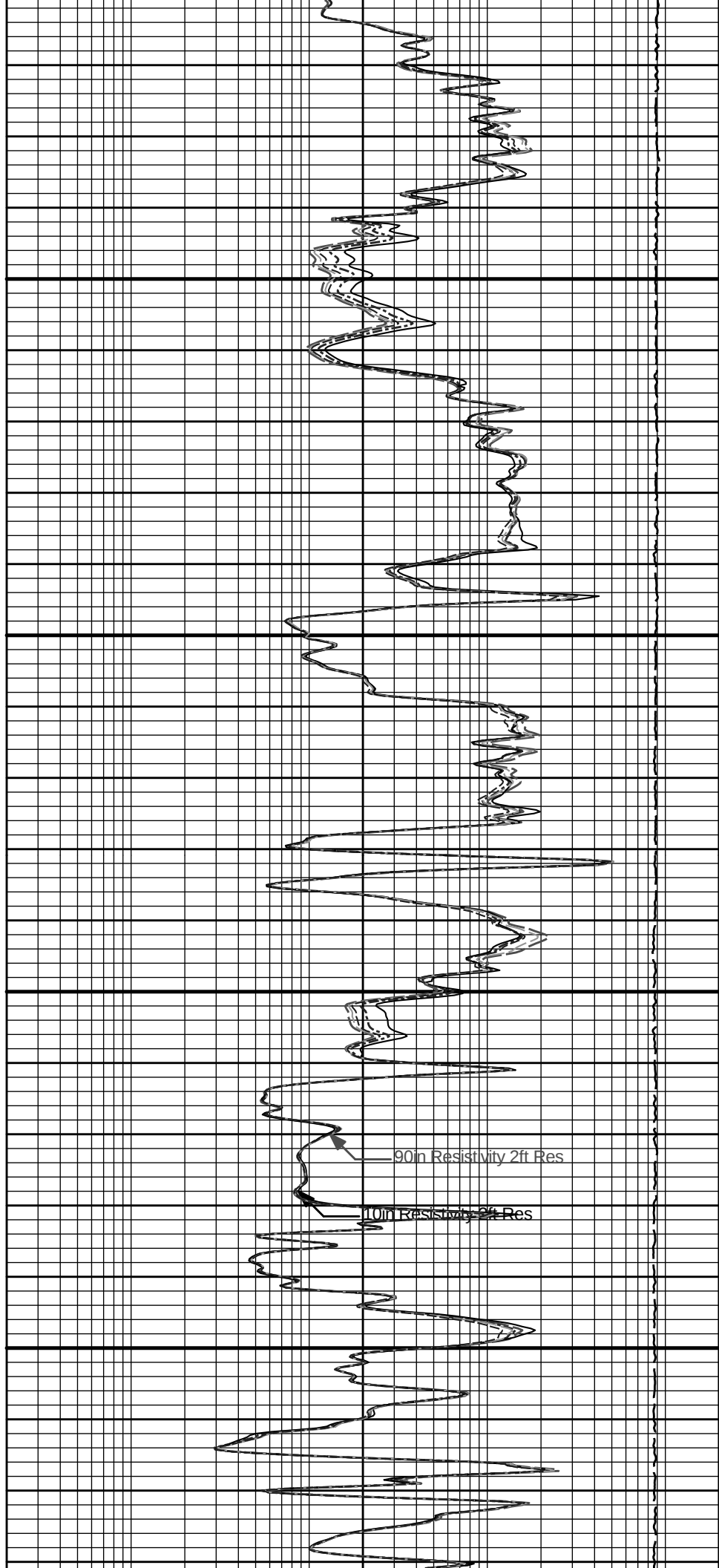
70in Resistivity 2ft Res



4200

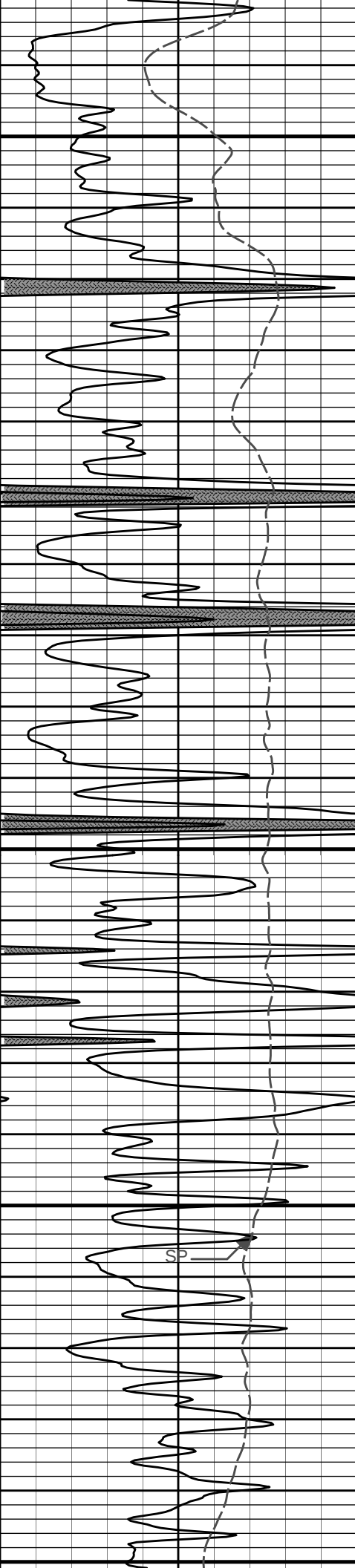
4300

SP



90in Resistivity 2ft Res

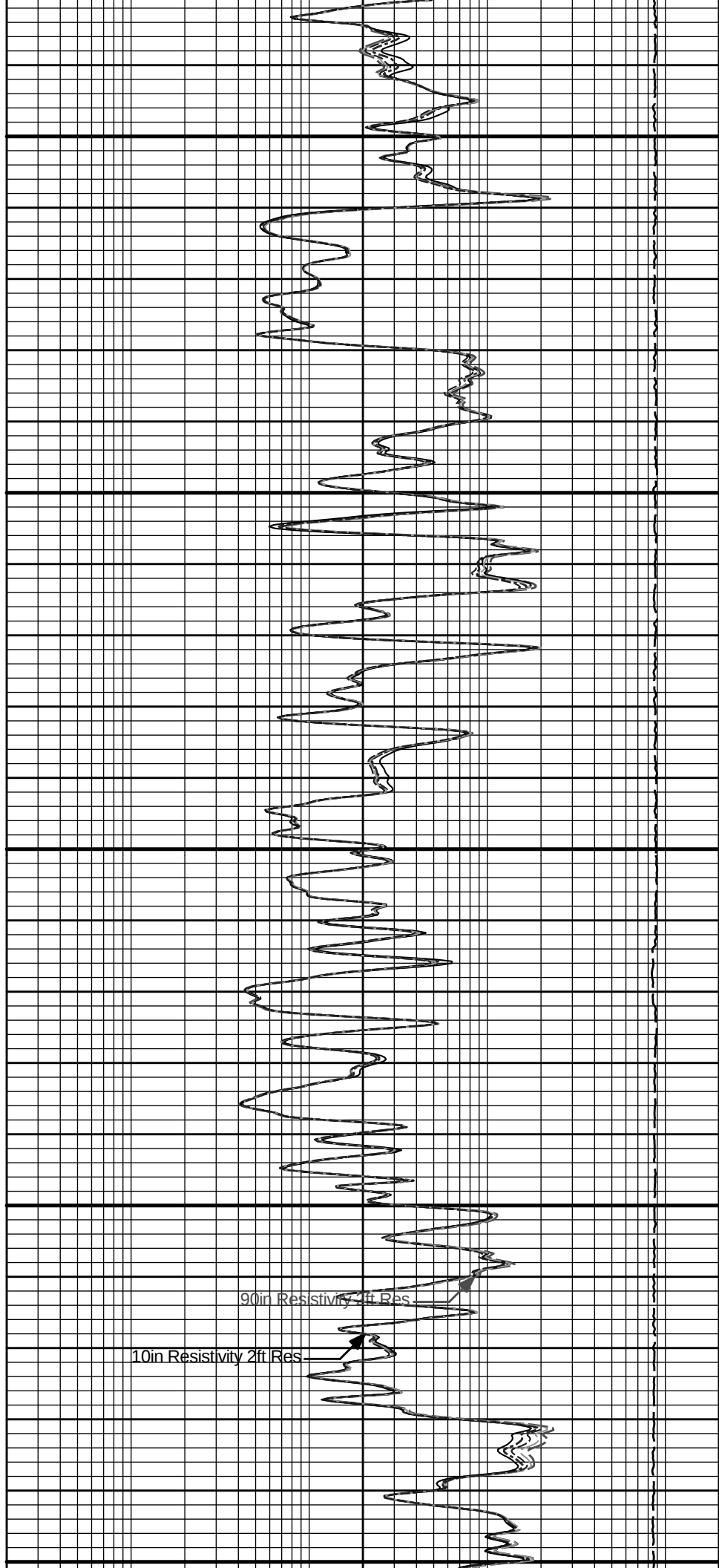
10in Resistivity 2ft Res



4400

4500

4600



90in Resistivity 2ft Res

10in Resistivity 2ft Res



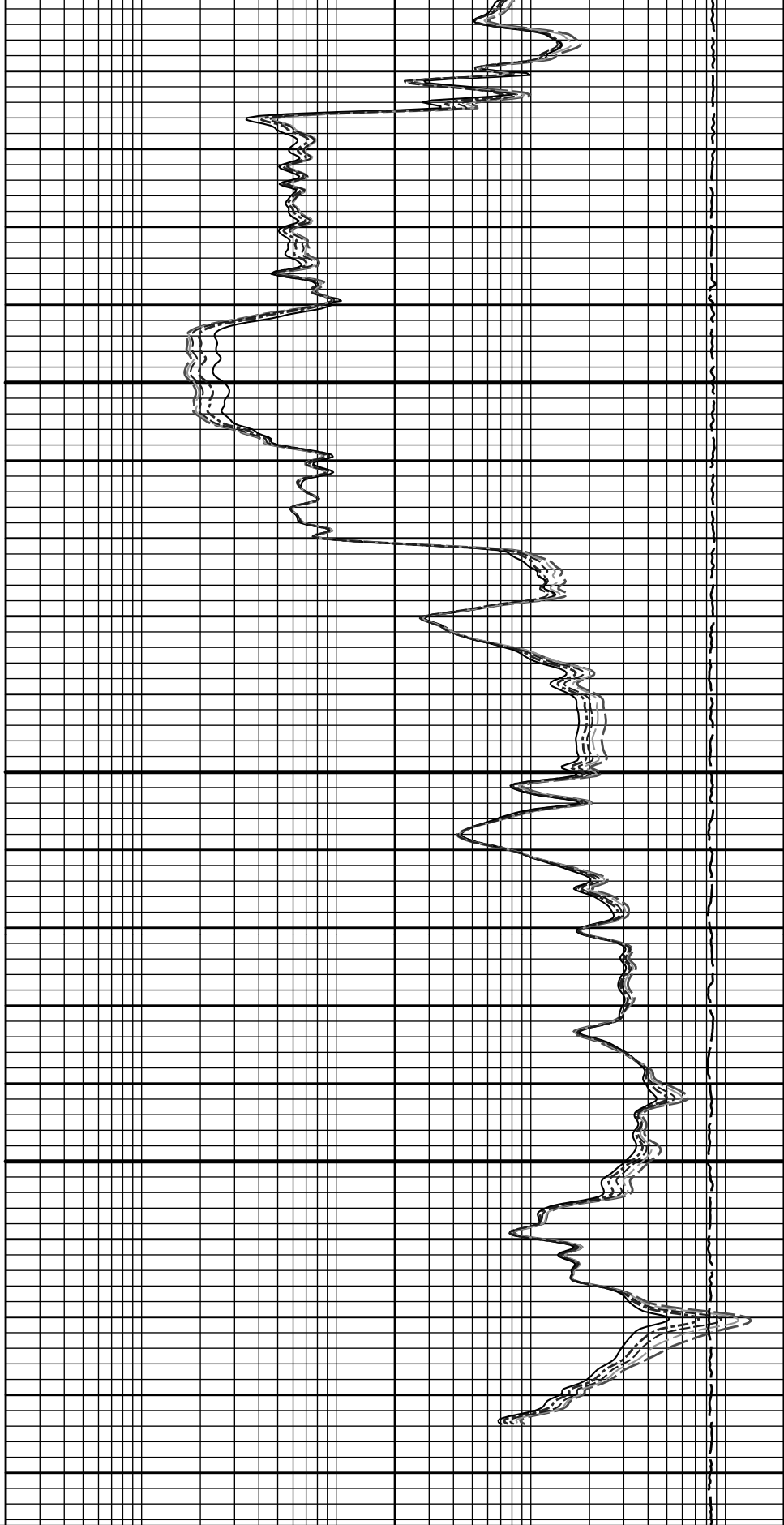
0 Gamma API 150

api

SP

-]20[+

4700



15K Tension 0

pounds

0.2 90in Resistivity 2ft Res 2K

ohmm

0.2 60in Resistivity 2ft Res 2000

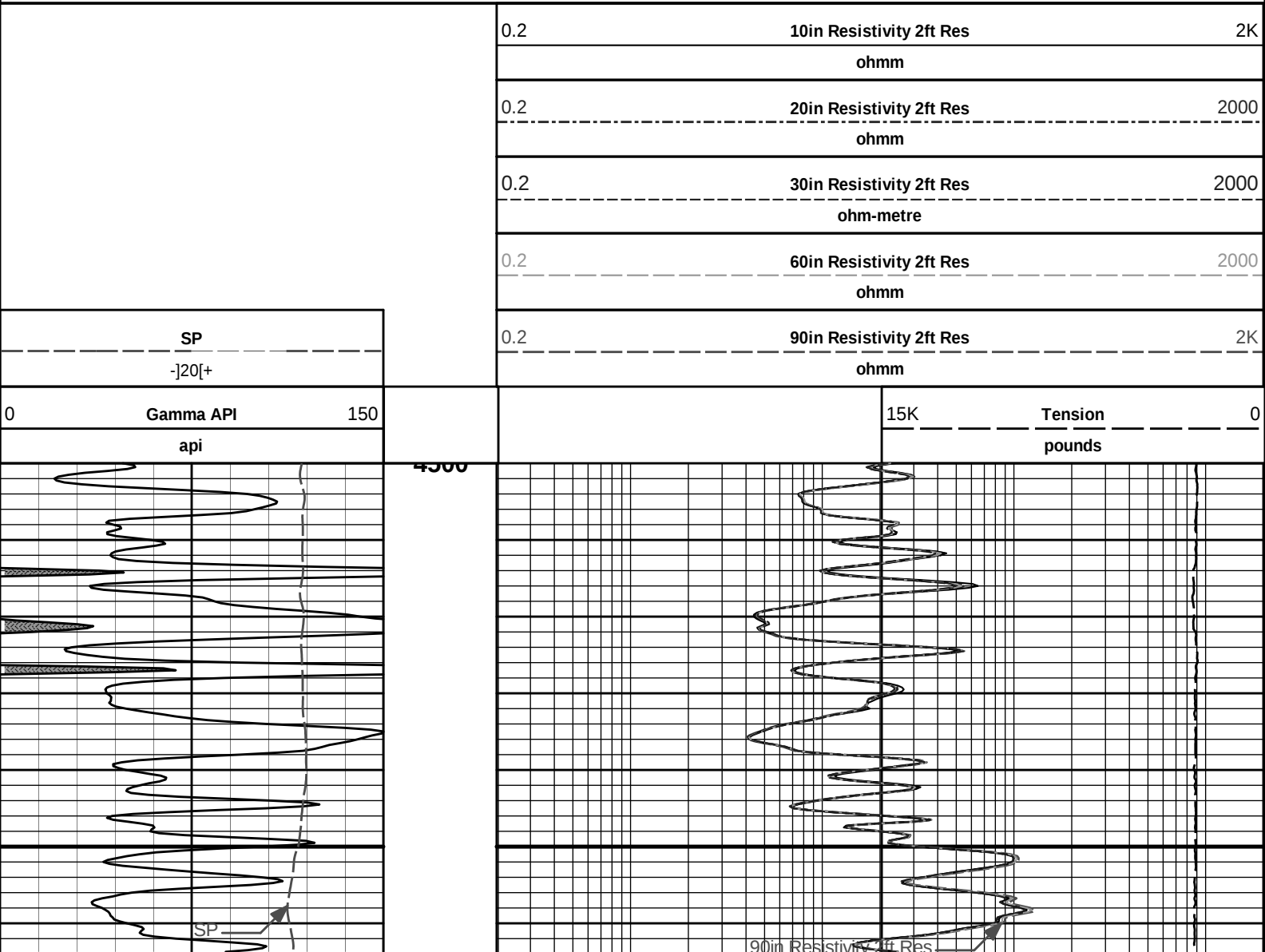
	0.2	60in Resistivity 2ft Res	2000
		ohmm	
	0.2	30in Resistivity 2ft Res	2000
		ohm-metre	
	0.2	20in Resistivity 2ft Res	2000
		ohmm	
	0.2	10in Resistivity 2ft Res	2K
		ohmm	

HALLIBURTON

Plot Time: 30-May-12 08:52:06
Plot Range: 320 ft to 4796.83 ft
Data: WOOD_Miller9_1\Well Based\MAIN\
Plot File: \\-LOCAL-\\WOOD_Miller9_1\0001 GTET-WAVE-DSNT-SDLT-ACRT\ACRT\ACRT_5inch_main

5 INCH MAIN LOG

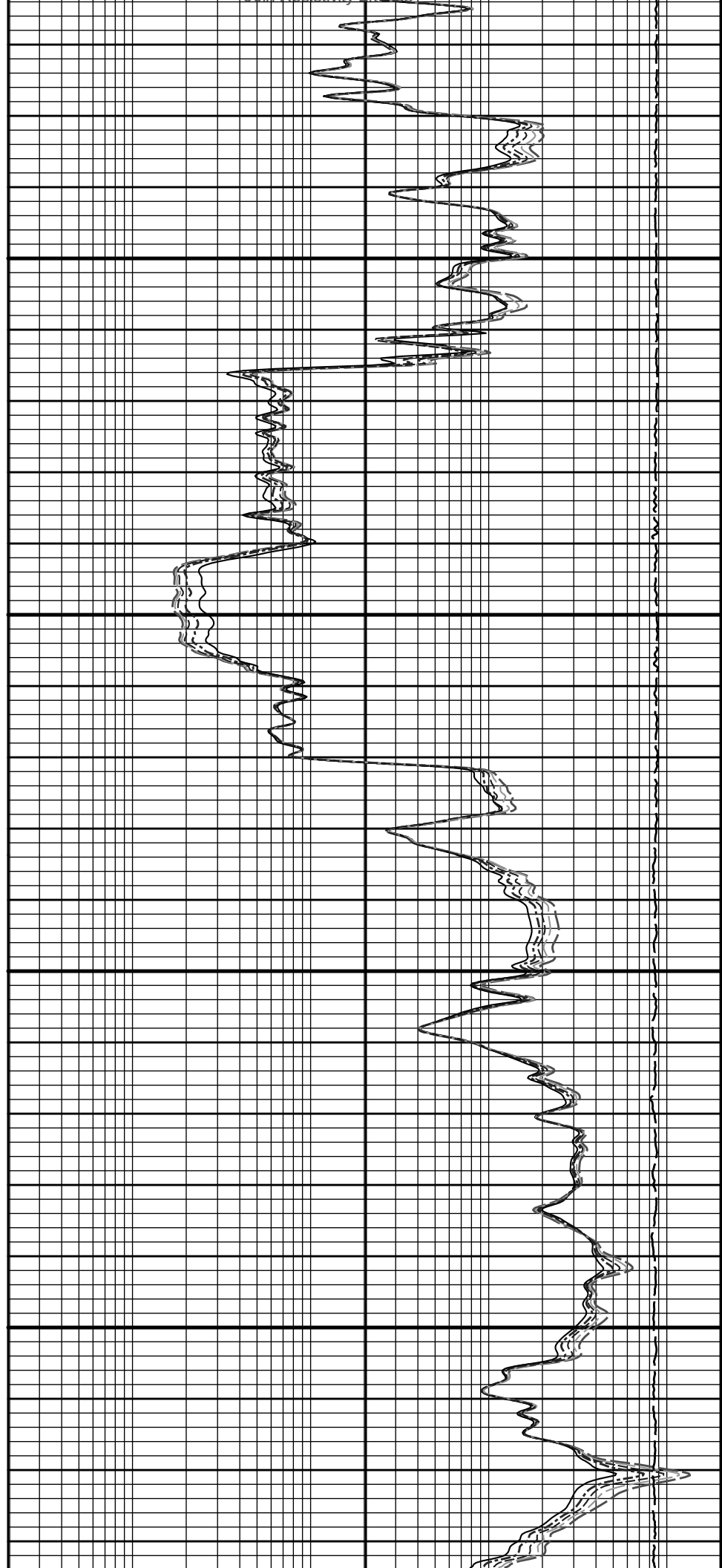
	HALLIBURTON		
	Plot Time: 30-May-12 08:52:07		
	Plot Range: 4500 ft to 4800.58 ft		
	Data: WOOD_Miller9_1\Well Based\DAQ-0001-002\ Plot File: \\-LOCAL-\\WOOD_Miller9_1\0001 GTET-WAVE-DSNT-SDLT-ACRT\ACRT\ACRT_5inch_main		
	REPEAT SECTION		

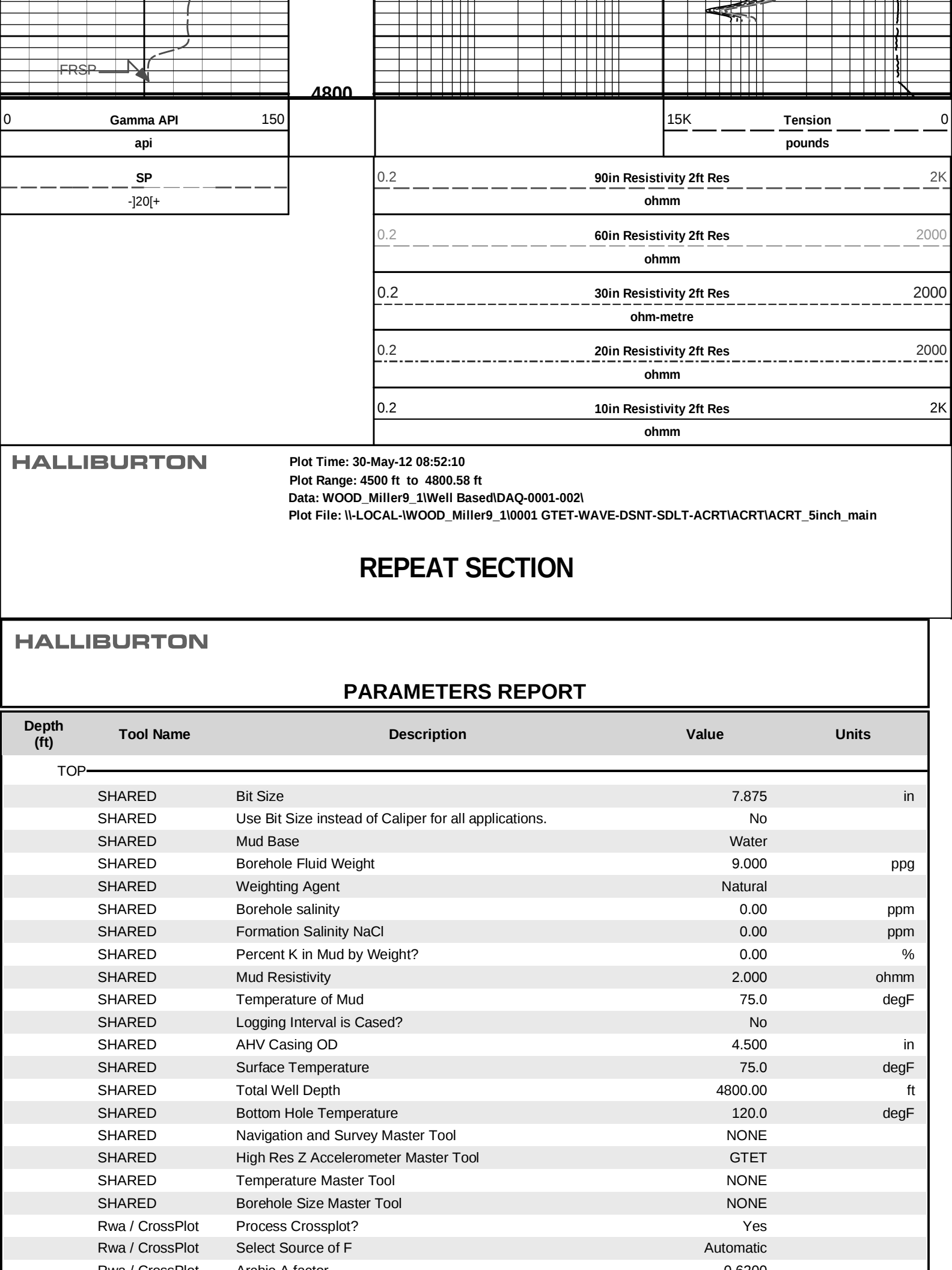




4600

4700





Rwa / CrossPlot	Archie A factor	0.0200	
Rwa / CrossPlot	Archie M factor	2.1500	
Rwa / CrossPlot	Rmf Reference	0.10	ohmm
Rwa / CrossPlot	Rmf Ref Temp	75.00	degF
Rwa / CrossPlot	Resistivity of Formation Water	0.05	ohmm
Rwa / CrossPlot	Use Air Porosity to calculate CrossplotPhi	No	
GTET	Process Gamma Ray?	Yes	
GTET	Gamma Tool Standoff	0.000	in
GTET	Process Gamma Ray EVR?	No	
GTET	Tool Position for Gamma Ray Tools.	Eccentered	
Wavesonic-I	Process WSTT?	Yes	
Wavesonic-I	Adaptive Filtering?	No	
Wavesonic-I	Process 1 Sample and Skip	0	
Wavesonic-I	Process Mode: M=1,MX=2,MY=3,MXY=4	4	
Wavesonic-I	Delta -T Shale	100.00	uspf
Wavesonic-I	Delta -T Matrix Type	Limestone 47.5	
Wavesonic-I	Delta -T Matrix	57.00	uspf
Wavesonic-I	Delta -T Fluid	189.00	uspf
Wavesonic-I	Matrix Density	2.7100	g/cc
Wavesonic-I	Fluid Density	1.0000	g/cc
Wavesonic-I	Semblance Threshold	0.25	
Wavesonic-I	VPVS Ratio for Porosity	1.40	
Wavesonic-I	Acoustic Porosity Equation	Wylie	
Wavesonic-I	Navigation Source Tool	NONE	
DSNT	Process DSN?	Yes	
DSNT	Process DSN EVR?	No	
DSNT	Neutron Lithology	Limestone	
DSNT	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
DSNT	Temperature Correction Type	None	
DSNT	DSN Pressure Correction Type	None	
DSNT	View More Correction Options	No	
DSNT	Use TVD for Gradient Corrections?	No	
DSNT	Logging Horizontal Water Tank?	No	
SDLT	Process Caliper Outputs?	Yes	
SDLT Pad	Process Density?	Yes	
SDLT Pad	Process Density EVR?	No	
SDLT Pad	Logging Calibration Blocks?	No	
SDLT Pad	SDLT Pad Temperature Valid?	Yes	
SDLT Pad	Disable temperature warning	No	
SDLT Pad	Formation Density Matrix	2.710	g/cc
SDLT Pad	Formation Density Fluid	1.000	g/cc
Microlog Pad	Process MicroLog Outputs?	Yes	
ACRt Sonde	Process ACRt?	Yes	
ACRt Sonde	Minimum Tool Standoff	1.50	in
ACRt Sonde	Temperature Correction Source	FP Lwr & FP Upr	
ACRt Sonde	Tool Position	Free Hanging	
ACRt Sonde	Rmud Source	Mud Cell	
ACRt Sonde	Minimum Resistivity for MAP	0.20	ohmm
ACRt Sonde	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	Threshold Quality	0.50	

BOTTOM

Data: WOOD_Miller9_110001 GTET-WAVE-DSNT-SDLT-ACRTIDLE

Date: 30-May-12 05:44:09

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 11021039

Reference Calibration Date: 13-May-12 04:36:18

Engineer: HOFKAMP

Calibration Date: 26-May-12 10:02:33

Software Version: WL INSITE R3.4.2 (Build 2)

Calibration Version: 1

Calibrator Source S/N: MP051807-02

Calibrator API Reference:234.00 api

Equivalent Calibrator API Reference:238.1 api

Measurement	Measured	Calibrated	Units
Background	79.9	82.2	api
Background + Calibrator	307.4	316.2	api
Calibrator	236.3	234.0	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name: GTET - 11021039

Reference Calibration Date: 26-May-12 10:02:33

Engineer: HOFKAMP

Calibration Date: 29-May-12 09:17:06

Software Version: WL INSITE R3.4.2 (Build 2)

Calibration Version: 1

Calibrator Source S/N: MP051807-02

Calibrator API Reference:234.00 api

Equivalent Calibrator API Reference:238.1 api

Field Verification	Shop	Field	Units
Background	82.2	72.3	api
Background + Calibrator	316.2	314.9	api
Calibrator	234.0	242.7	api

Shop	Field	Difference	Tolerance
234.0	242.7	-8.7	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name: DSNT - 11023947

Reference Calibration Date: 29-Mar-12 10:32:54

Engineer: BOMAR

Calibration Date: 27-Apr-12 10:28:11

Software Version: WL INSITE R3.4.2 (Build 2)

Calibration Version: 1

Logging Source S/N: DSN_439

Tank Serial Number: FTSM

Reference value assigned to Tank: 56.100

Snow Block S/N: 336

Calibration Tank Water Temperature: 65 degF

Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS			
Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	0.998	1.002	0.900 - 1.100

WATER TANK SUMMARY (Horizontal Water Tank)				
Measurement	Current Reading (Previous Coef.)	Calibrated (New Coef.)	Change	Control Limit On Change
Porosity (decp):	0.2346	0.2358	0.0011	+/- 0.0020
Calibrated Ratio:	10.52	10.56	0.038	+/- 0.050

VERIFIER			
Measurement		Value	Control Limit
Snow-Block Porosity (decp):		0.0835	0.02000 - 0.09000
PASS/FAIL SUMMARY			
Background Check:		Passed	
Gain-Range Check:		Passed	
Snow-Block Check:		Passed	

DUAL SPACED NEUTRON FIELD CALIBRATION			
Tool Name:	DSNT - 11023947	Reference Calibration Date:	27-Apr-12 10:28:11
Engineer:	HOFKAMP	Calibration Date:	29-May-12 09:27:45
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

Logging Source S/N: DSN_439

Snow Block S/N: 336

NEUTRON FIELD-CHECK SUMMARY				
	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0835	0.0948	0.0113	+/- 0.0150
PASS/FAIL SUMMARY				
Block Change Check:		Passed		
Snow Block Stat Check:		Passed		
Temperature Check:		Passed		

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION			
Tool Name:	ACRt Sonde - 90148388-e095-s	Reference Calibration Date:	05-Apr-12 10:07:44
Engineer:	C. HAVERKAMP	Calibration Date:	14-May-12 13:39:04
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

TYPICAL GAIN RANGE									
Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0374	1.05	0.95	1.0440	1.05	0.95	1.0421	1.05
A2 (50")	0.95	1.0207	1.05	0.95	1.0277	1.05	0.95	1.0279	1.05
A3 (29")	0.95	1.0290	1.05	0.95	1.0352	1.05	0.95	1.0330	1.05
A4 (17")	0.95	1.0151	1.05	0.95	1.0188	1.05	0.95	1.0173	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0136	1.05	0.95	1.0111	1.05
A6 (6")	N/A	N/A	N/A	0.95	1.0167	1.05	0.95	1.0141	1.05

TYPICAL SONDE OFFSET RANGE									
Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	-5	-0.677	2	-6	-4.123	-2	-8	-5.113	-2
A2 (50")	-7	-0.869	-1	-6	-2.695	-2	-7	-5.148	-2
A3 (29")	-27	-14.542	-9	-9	-3.830	-3	-7	-3.553	-1
A4 (17")	-180	-90.564	-60	-45	-27.891	-15	-39	-23.773	-13
A5 (10")	N/A	N/A	N/A	-150	-106.748	-50	-80	-49.988	-10
A6 (6")	N/A	N/A	N/A	175	330.237	525	90	161.307	270

TRANSMITTER CURRENT GAIN					R-MUD VERIFICATION			
Signal	Lower	R	Upper		Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)

12K	0.6	0.8675	1.3	Mud Cell	0.95	0.997	1.05
36K	1.0	1.3254	2.0				
72K	1.0	1.6124	2.0				

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name:	SDLT Pad - I947M315P774	Reference Calibration Date:	22-Apr-12 21:22:42
Engineer:	BOMAR	Calibration Date:	22-Apr-12 21:41:22
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

Logging Source S/N: 5155GW		
Aluminum Block S/N: FTSM	Density: 2.581g/cc	Pe: 3.170
Magnesium Block S/N: FTSM	Density: 1.687g/cc	Pe: 2.594

DENSITY CALIBRATION SUMMARY			
Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0272	1.0694	0.90 - 1.10
Near Dens Gain	1.0112	1.0392	0.90 - 1.10
Near Peak Gain	1.0148	1.0759	0.90 - 1.10
Near Lith Gain	1.0312	1.0696	0.90 - 1.10
Far Bar Gain	1.0071	1.0141	0.90 - 1.10
Far Dens Gain	0.9946	1.0004	0.90 - 1.10
Far Peak Gain	0.9935	0.9968	0.90 - 1.10
Far Lith Gain	0.9769	0.9832	0.90 - 1.10
Near Bar Offset	-0.0345	-0.4249	NONE
Near Dens Offset	0.1079	-0.1425	NONE
Near Peak Offset	0.0659	-0.4461	NONE
Near Lith Offset	-0.0848	-0.4076	NONE
Far Bar Offset	0.0469	-0.0184	NONE
Far Dens Offset	0.1515	0.0965	NONE
Far Peak Offset	0.1480	0.1189	NONE
Far Lith Offset	0.2684	0.2153	NONE
Near Bar Background	965.72	965.05	700 - 1450
Near Dens Background	317.86	316.79	230 - 480
Near Peak Background	139.53	138.63	100 - 210
Near Lith Background	167.79	170.51	125 - 260
Far Bar Background	522.89	523.46	450 - 900
Far Dens Background	204.89	202.03	175 - 345
Far Peak Background	80.59	80.91	70 - 140
Far Lith Background	84.14	83.68	75 - 145

CALIBRATION BLOCK SUMMARY				
Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.687	1.687	0.000	+/- 0.015
Pe	2.553	2.553	0.000	+/- 0.150
ALUMINUM				
Density (g/cc)	2.580	2.581	0.001	+/- 0.01500
Pe	3.117	3.125	0.008	+/- 0.150

TOOL SUMMARY		
Measurement	Near Detector	Far Detector

	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0005	+/- 0.0110	0.0001	+/- 0.0140
Magnesium Block	0.0001	+/- 0.0110	0.0009	+/- 0.0140
Aluminum Block	0.0004	+/- 0.0110	0.0008	+/- 0.0140
Resolution	9.34	6.00 - 11.50	9.11	6.00 - 11.50
Internal Verifier(B+D+P+L)	1591	1200 - 2700	890	800 - 1700

PASS/FAIL SUMMARY	
Background Quality Check:	Passed
Background Range Check:	Passed
Background Resolution Check:	Passed
Background Verification Check:	Passed
Magnesium Quality Check:	Passed
Aluminum Quality Check:	Passed
Gains Check:	Passed
Changes in Calibration Blocks:	Passed

SPECTRAL DENSITY FIELD CHECK			
Tool Name:	SDLT Pad - I947M315P774	Reference Calibration Date:	22-Apr-12 21:41:22
Engineer:	HOFKAMP	Calibration Date:	26-May-12 10:01:52
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

Pad Temperature: 82.3 degF

DENSITY FIELD CALIBRATION SUMMARY				
Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1590.987	1595.254	4.267	16.042
Far (B+D+P+L) cps	890.080	895.481	5.401	16.251
Near Resolution	9.34	9.42	0.080	0.50
Far Resolution	9.11	9.55	0.440	1.00

PASS/FAIL SUMMARY	
Bkg Quality Check:	Passed
Bkg Resolution Check:	Passed
Bkg Verification Check:	Passed

MICRO LOG SHOP CALIBRATION			
Tool Name:	Microlog Pad - I947M315P774	Reference Calibration Date:	06-Apr-12 06:17:36
Engineer:	BOMAR	Calibration Date:	22-Apr-12 21:28:26
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

CALIBRATION COEFFICIENT SUMMARY					
Measurement	Micro Log Normal		Micro Log Lateral		Units
	Measured	Calibrated	Measured	Calibrated	
Tool Zero	-0.11	-0.18	-0.01	-0.01	ohmm
Calibration Point #1	0.07	0.00	0.00	0.00	ohmm
Calibration Point #2	20.18	20.00	20.08	20.00	ohmm
Internal Reference	19.98	19.80	20.09	20.01	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	1.57	-0.83	V
Calibration Point #1	49.66	2.20	V

	Calibration Point #2	5346.79	6925.38	V		
	Internal Reference	5293.72	6928.27	V		
MICRO LOG FIELD CHECK						
Tool Name:	Microlog Pad - I947M315P774		Reference Calibration Date:	22-Apr-12 21:28:26		
Engineer:	HOFKAMP		Calibration Date:	29-May-12 09:14:42		
Software Version:	WL INSITE R3.4.2 (Build 2)		Calibration Version:	1		
	Measurement	Micro Log Normal		Micro Log Lateral		
		Shop	Field	Shop	Field	Units
	Tool Zero	-0.18	-0.19	-0.01	-0.01	ohmm
	Internal Reference	19.80	19.78	20.01	19.99	ohmm
	Summary					
	Signal	Shop	Field	Difference	Tolerance	
	Microlog Normal	19.80	19.78	0.02	+/- 0.80	
	Microlog Lateral	20.01	19.99	0.02	+/- 0.80	

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11021039						
Gamma Ray Calibrator	234.0	242.7	-----	-8.7	+/- 9.00	api
DSNT-11023947						
Snow-Block Porosity	0.0835	0.0948	-----	-0.0113	+/- 0.0150	decp
ACRt Sonde-90148388-e095-s						
Mud Cell	0.997	-----	-----	0.000	-----	ohm-m
SDLT Pad-I947M315P774						
Near(B+D+P+L)	1590.987	1595.254	-----	-4.267	+/-16.042	cps
Far(B+D+P+L)	890.080	895.481	-----	-5.401	+/-16.251	cps
Microlog Pad-I947M315P774						
MicroLog Normal	19.80	19.78	-----	0.02	+/-0.80	ohmm
MicroLog Lateral	20.01	19.99	-----	0.02	+/-0.80	ohmm

Data: WOOD Miller9 110001 GTET-WAVE-DSNT-SDLT-ACRT\IDLE		Date: 30-May-12 05:42:58
HALLIBURTON		
TOOL STRING DIAGRAM REPORT		

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
CH_HOS-336-I 37.50 lbs		Ø 2.750 in →		← Temperature @ 90.59 ft	3.03 ft	91.62 ft
						88.59 ft
GTET-11021039 165.00 lbs		Ø 3.625 in →		← GammaRay @ 82.53 ft	8.52 ft	80.07 ft

Wavesonic-I-FTSM
520.00 lbs

Ø 3.625 in →

34.07 ft

← Wavesonic Delay @ 57.50 ft

IQ Flex-1
140.00 lbs

Ø 3.625 in →

5.67 ft

46.00 ft

40.33 ft

DSNT-11023947
174.00 lbs

DSN Decentralizer-
PROT01
6.60 lbs

Ø 5.000 in* →

Ø 3.625 in →

9.69 ft

← DSN Far @ 33.39 ft

← DSN Near @ 32.64 ft

30.64 ft

SDLT-
I947M315P774
360.00 lbs

SDLT Pad-I947M315P774
65.00 lbs

Ø 4.500 in →

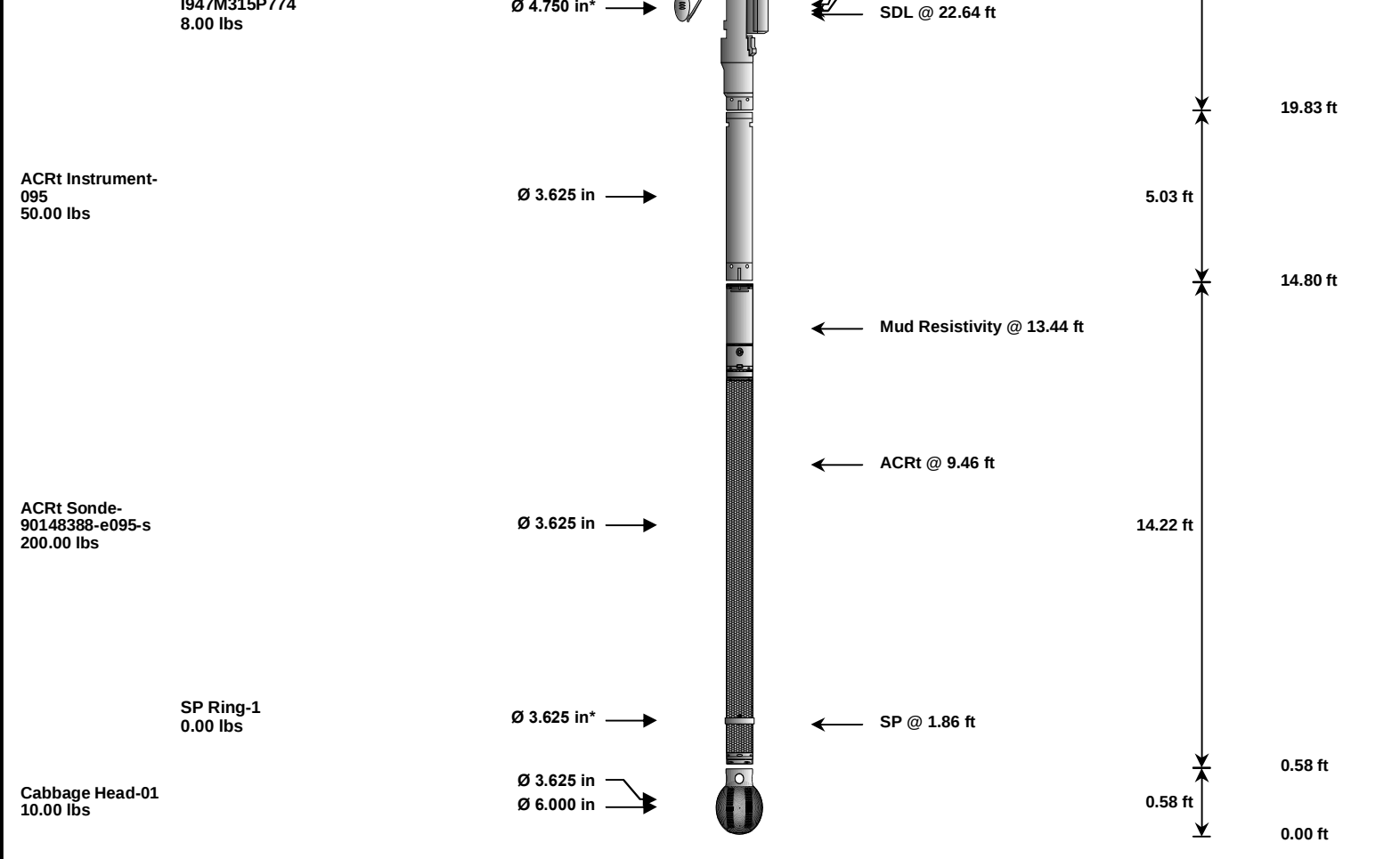
10.81 ft

Microlog Pad-

Ø 4.750 in* →

Microlog @ 22.83 ft

SDL Caliper @ 22.65 ft



Mnemonic		Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
CH_HOS	Hostile Cable Head with Load Cell		336-I	37.50	3.03	88.59	300.00
GTET	Gamma Telemetry Tool		11021039	165.00	8.52	80.07	60.00
WSTT	WaveSonic Insite		FTSM	520.00	34.07	46.00	30.00
IQF	IQ Flex tool		1	140.00	5.67	40.33	300.00
DSNT	Dual Spaced Neutron		11023947	174.00	9.69	30.64	60.00
DCNT	DSN Decentralizer		PROT01	6.60	5.13	*	33.97
SDLT	Spectral Density Tool		I947M315P774	360.00	10.81	19.83	60.00
MICP	Microlog Pad		I947M315P774	8.00	1.00	*	22.33
SDLP	Density Insite Pad		I947M315P774	65.00	2.55	*	22.04
ACRt	Array Compensated True Resistivity Instrument Section		095	50.00	5.03	14.80	300.00
ACRt	Array Compensated True Resistivity		90148388-e095-s	200.00	14.22	0.58	300.00
SP	SP Ring		1	0.00	0.25	*	1.86
CBHD	Cabbage Head		01	10.00	0.58	0.00	300.00
Total				1,736.10	91.62		
* Not included in Total Length and Length Accumulation.							
Data: WOOD_Miller9_1\0001 GTET-WAVE-DSNT-SDLT-ACRT\IDLE							
Date: 30-May-12 05:42:03							

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Plot Time: 30-May-12 08:52:11

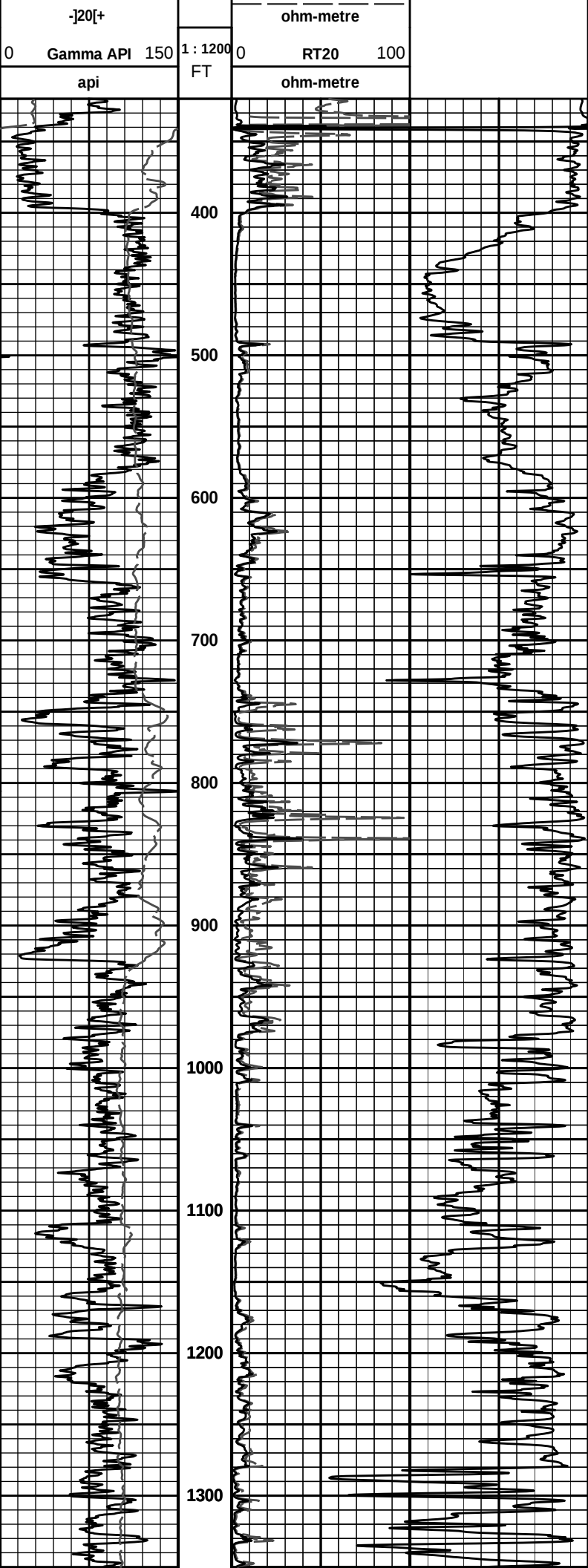
Plot Range: 320 ft to 4794 ft

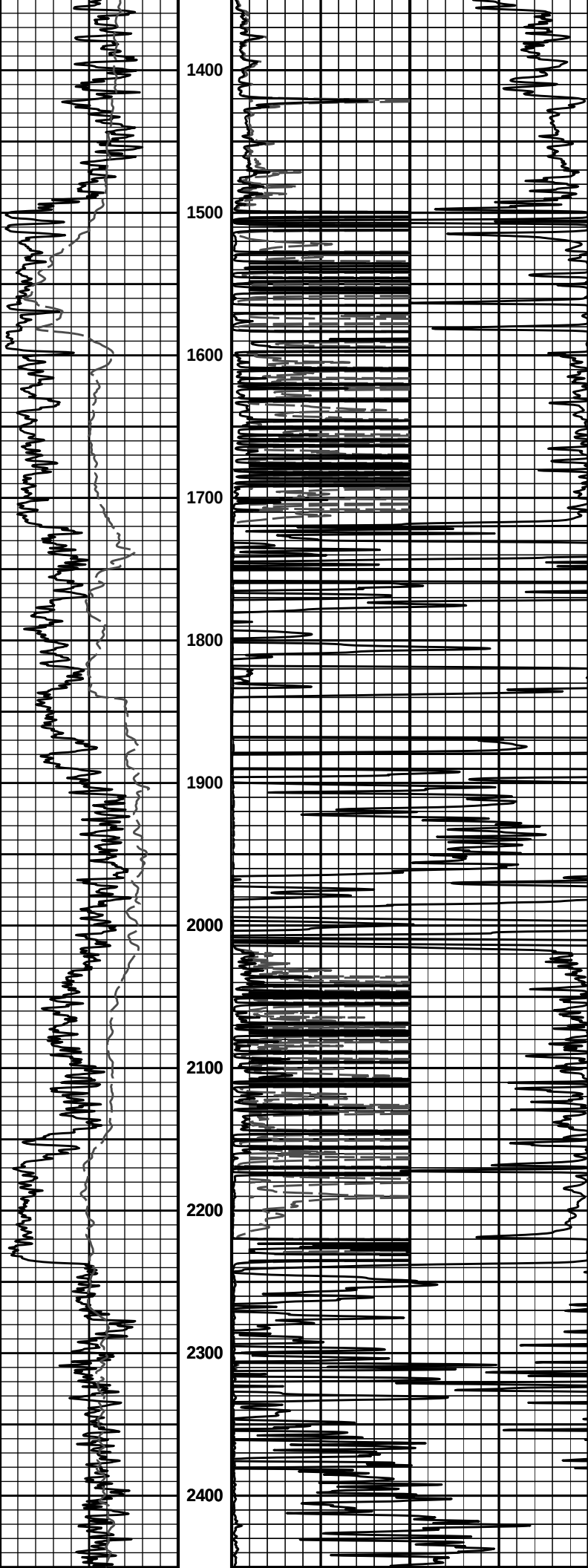
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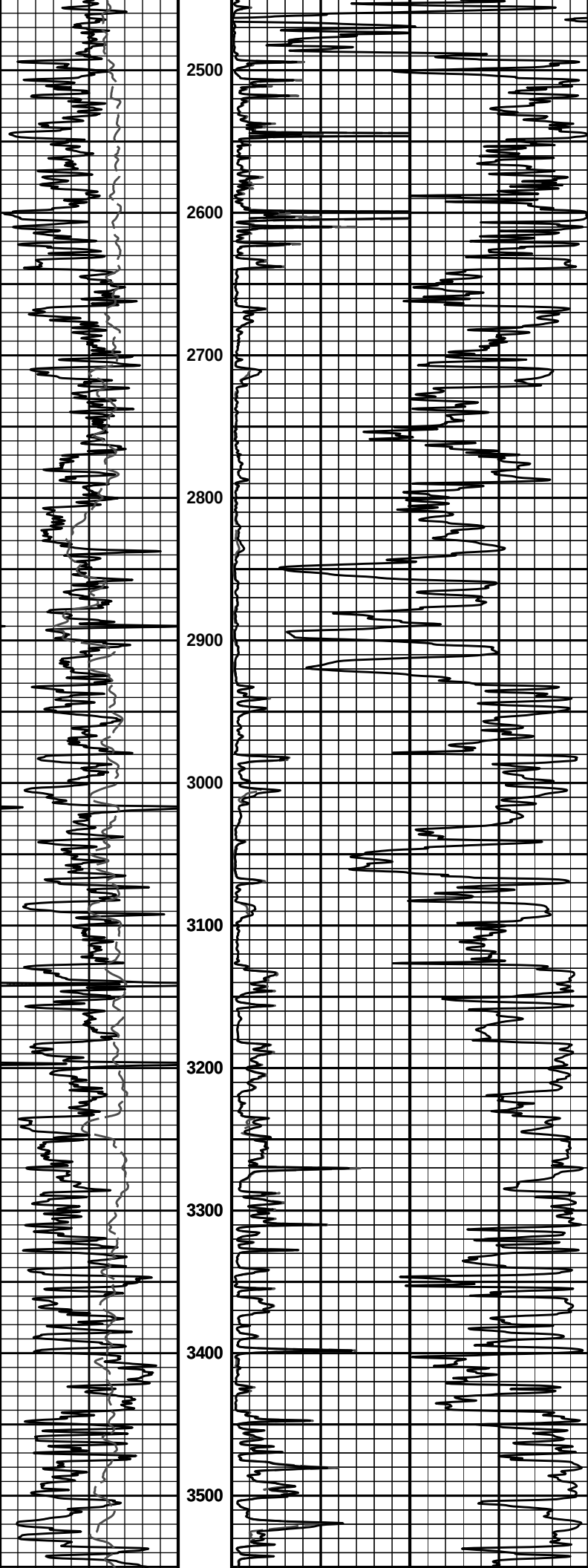
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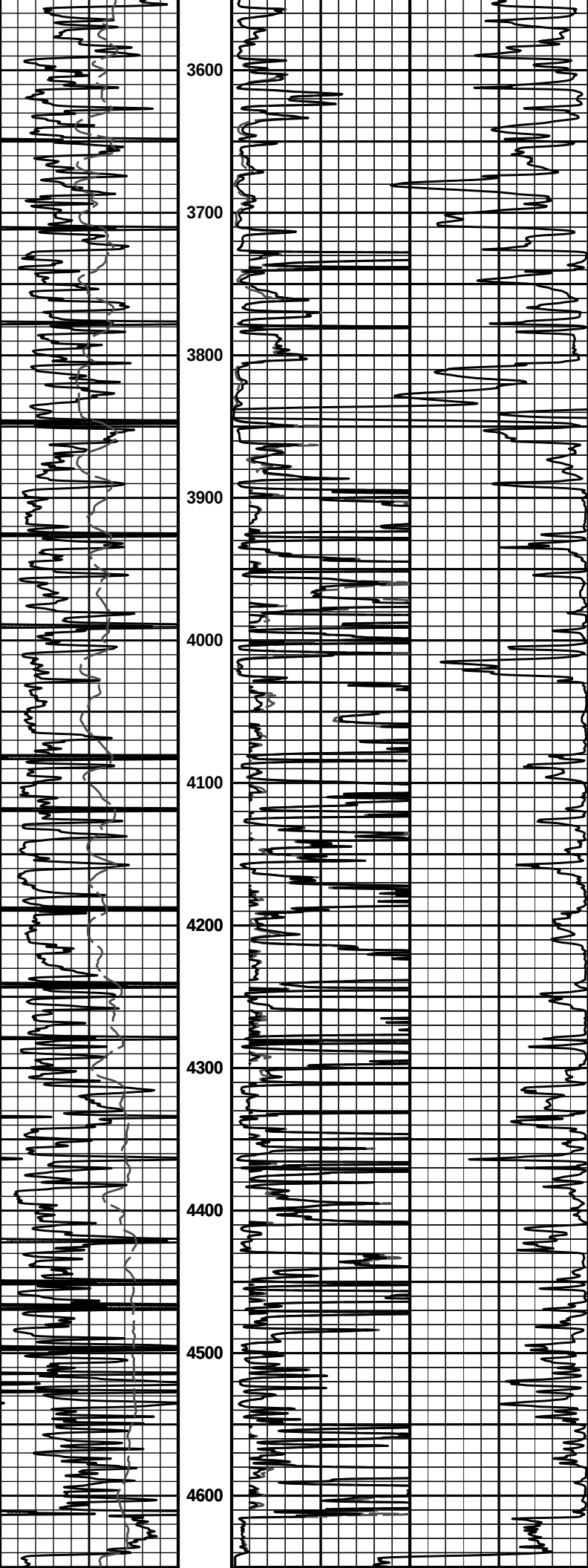
1 INCH MAIN LOG

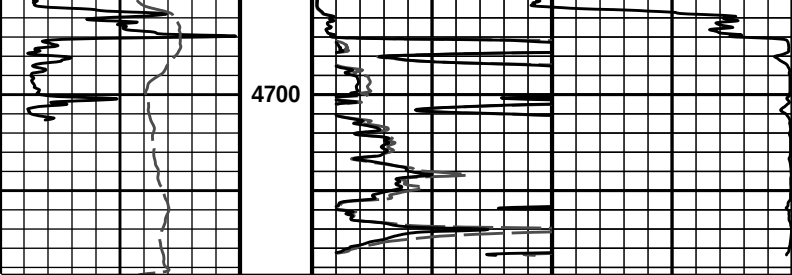
	1000	90in Conductivity 2ft Res	0
	mmho per metre		
SP	90in Resistivity 2ft Res		











0	Gamma API	150	1 : 1200	0	RT20	100	
	api		FT		ohm-metre		
	SP				90in Resistivity 2ft Res		
	-]20[+			0	ohm-metre	100	
				1000	90in Conductivity 2ft Res	0	
					mmho per metre		

HALLIBURTON

Plot Time: 30-May-12 08:52:20
Plot Range: 320 ft to 4794 ft
Data: WOOD_Miller9_1Well Based\MAIN\

Plot File: \\LOCAL-IWOOD_Miller9_110001 GTET-WAVE-DSNT-SDLT-ACRTIACRTIACRT_1_main

1 INCH MAIN LOG