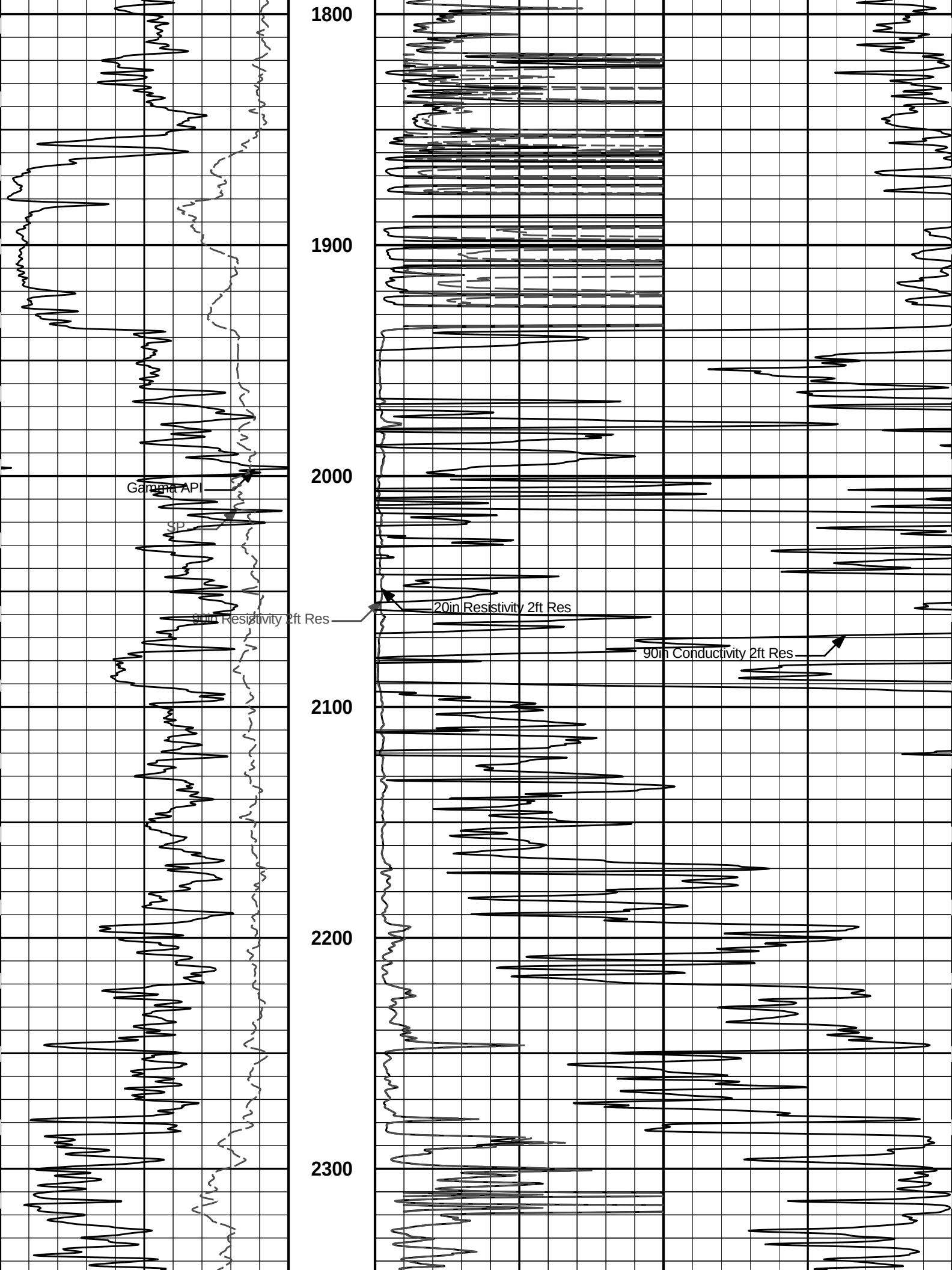
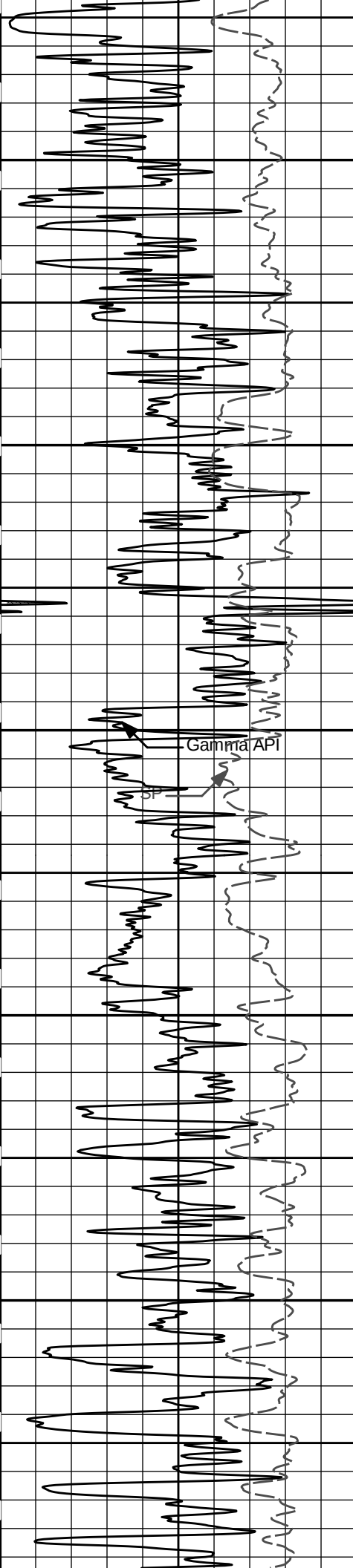


ARRAY COMPENSATED
TRUE RESISTIVITY
LOG

----- Fold here -----

LOGGING DATA





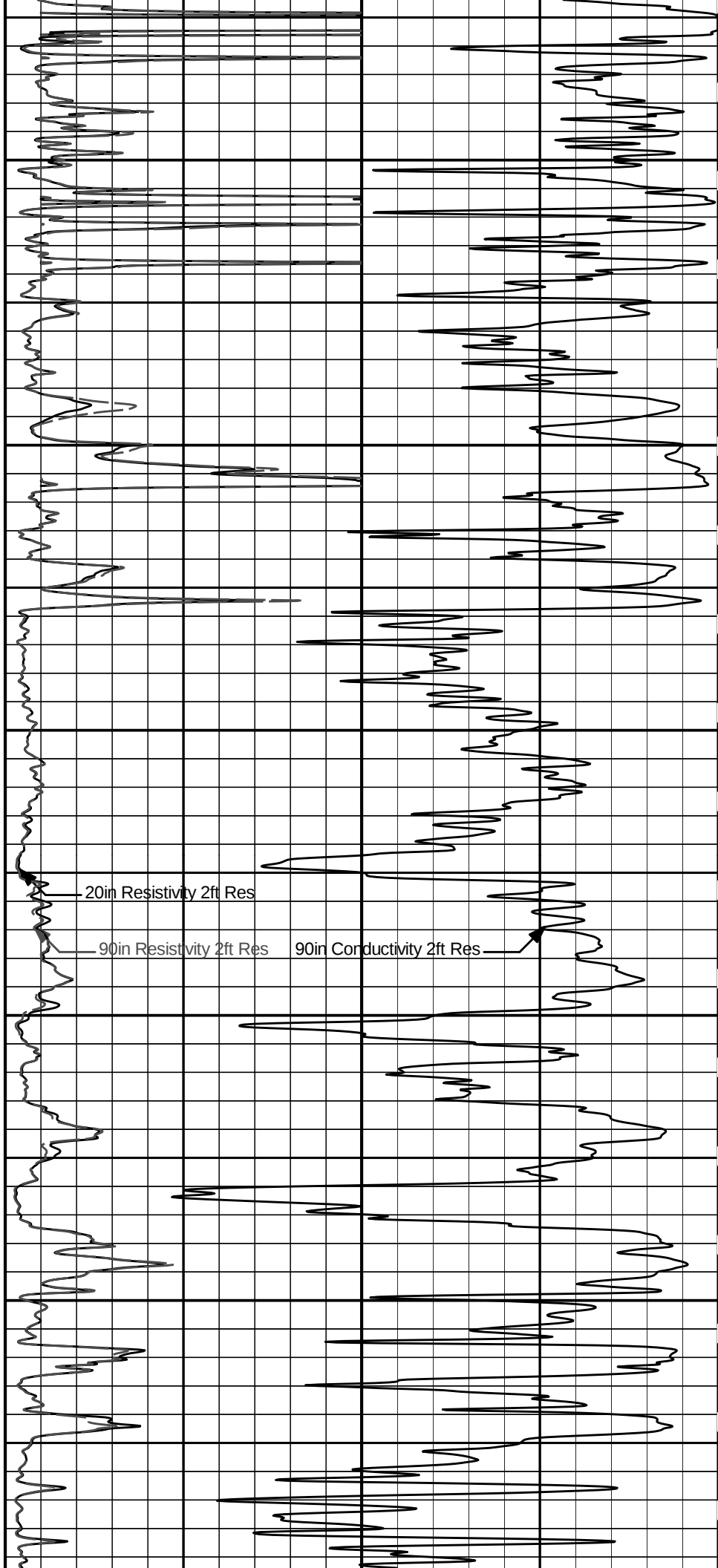
2400

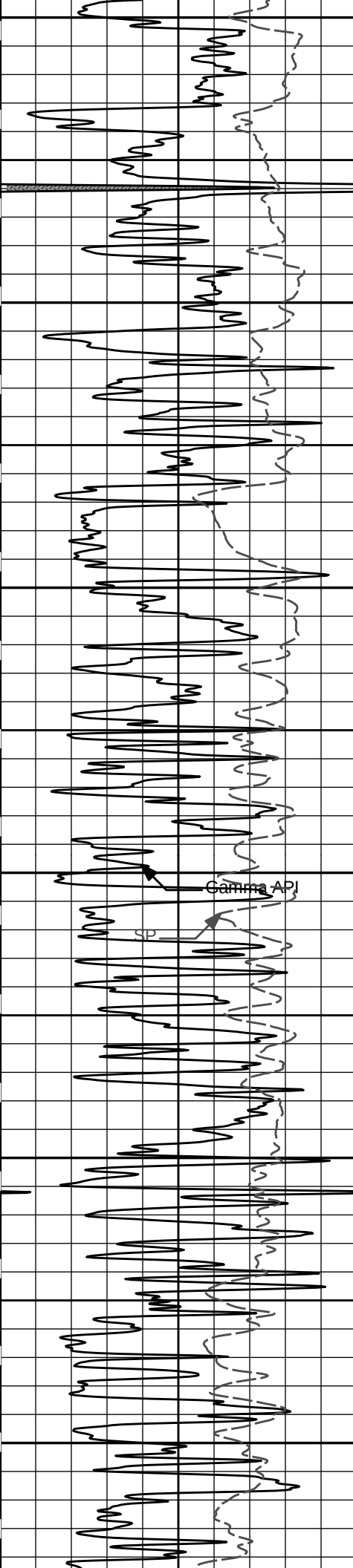
2500

2600

2700

2800





2900

3000

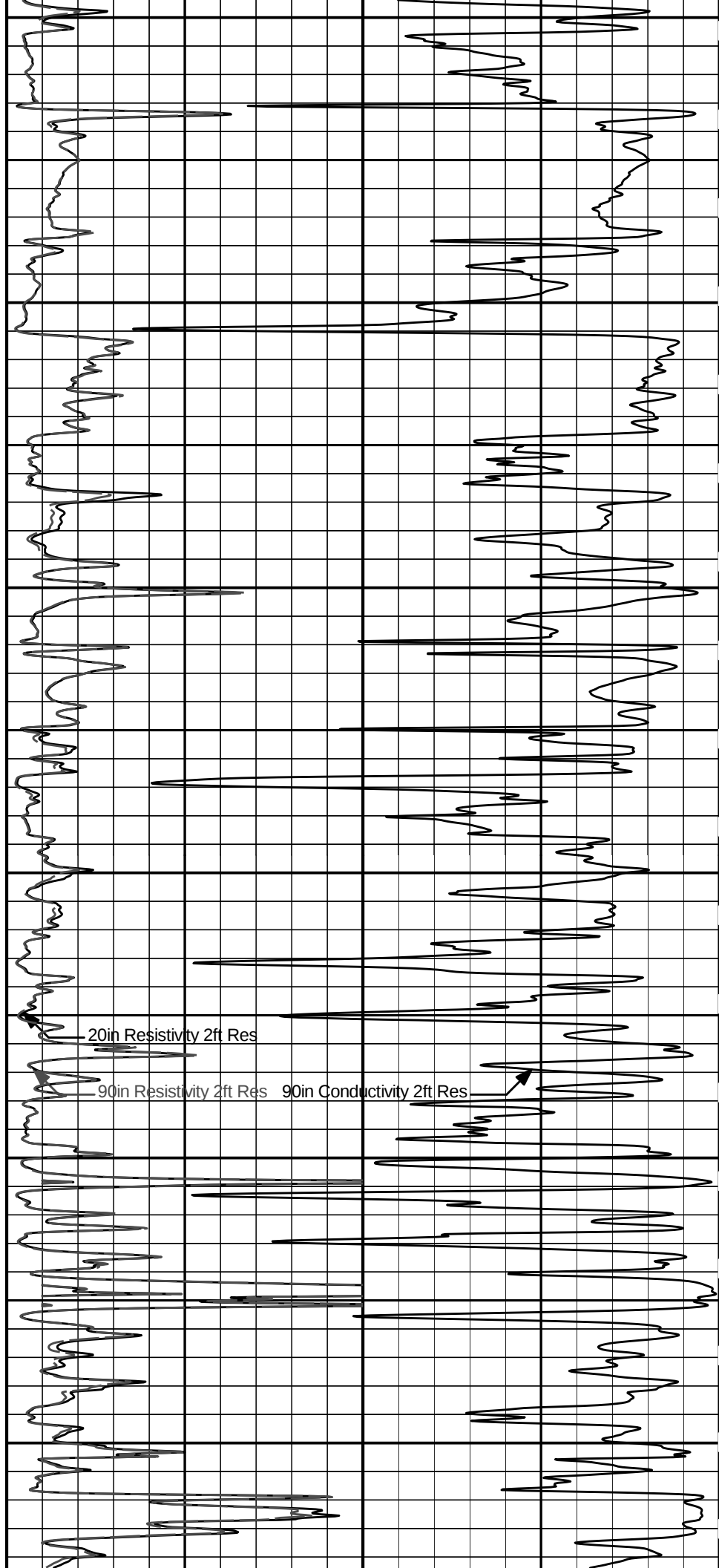
3100

3200

3300

3400

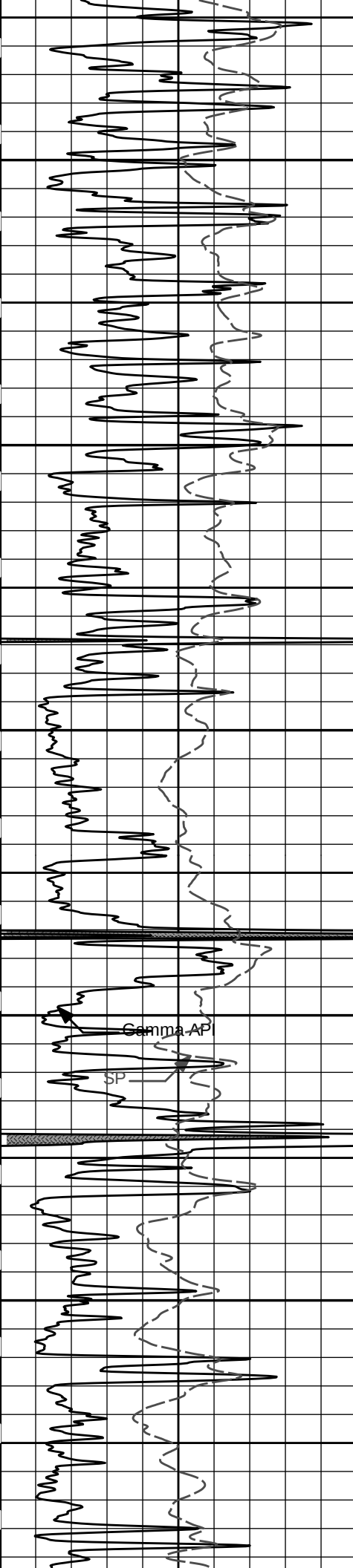
Gamma API



20in Resistivity 2ft Res

90in Resistivity 2ft Res

90in Conductivity 2ft Res



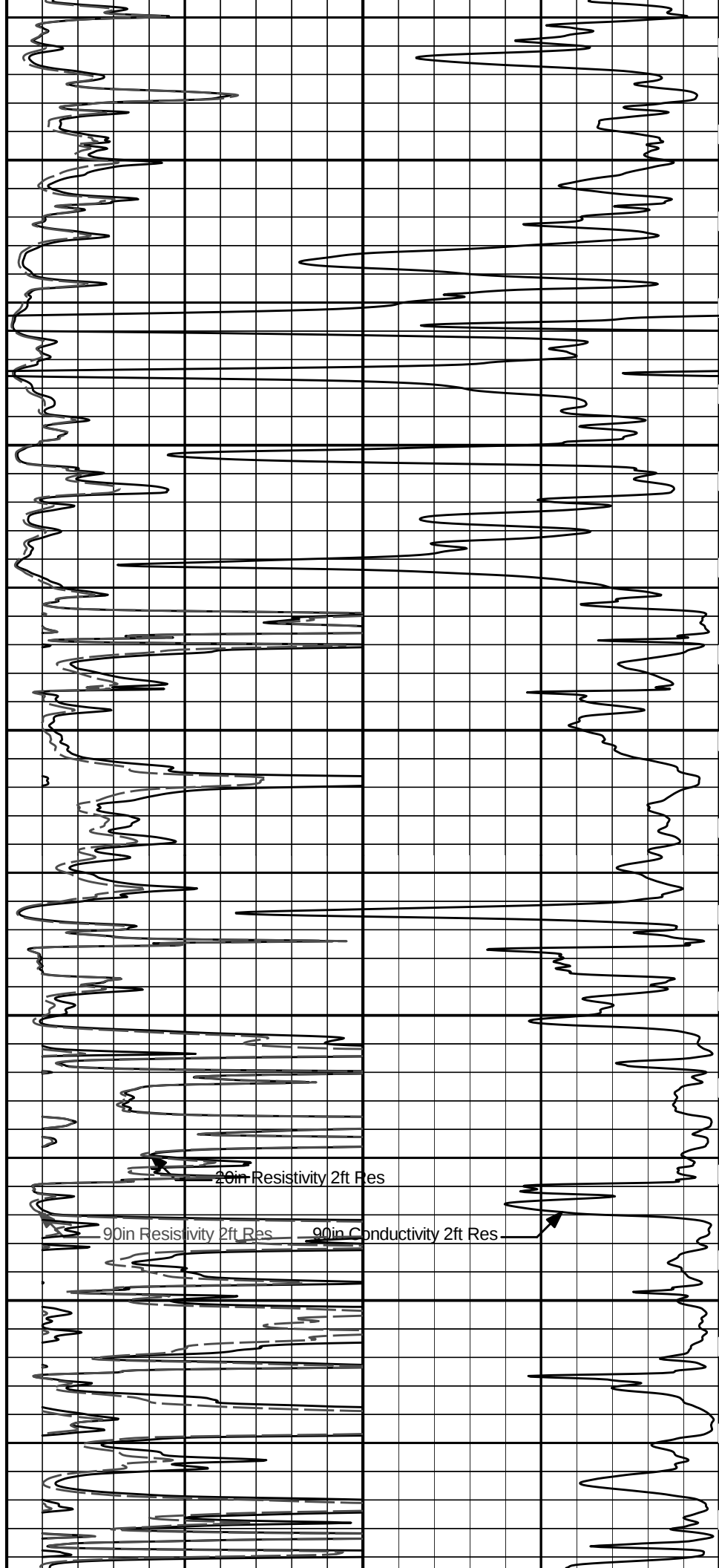
3500

3600

3700

3800

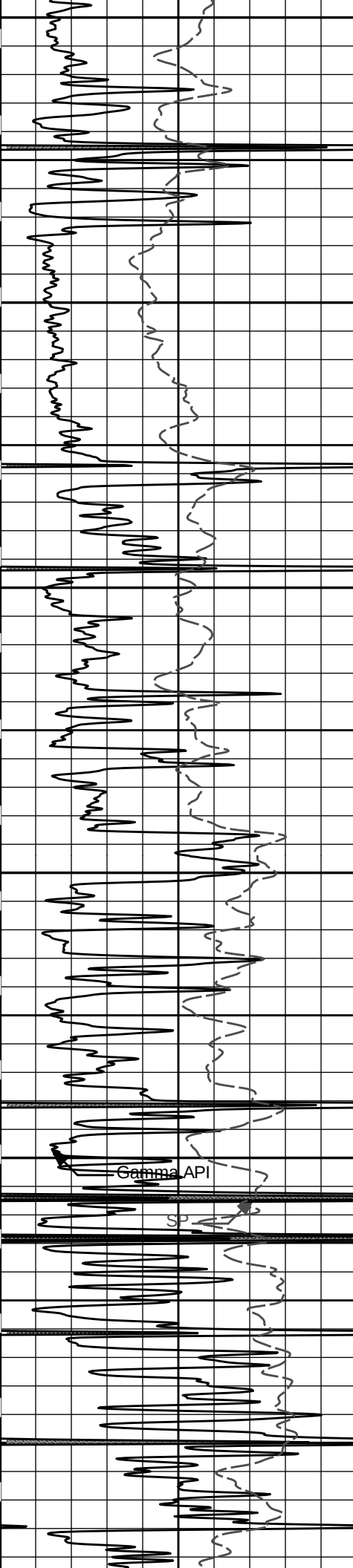
3900



20in Resistivity 2ft Res

90in Resistivity 2ft Res

90in Conductivity 2ft Res



4000

4100

4200

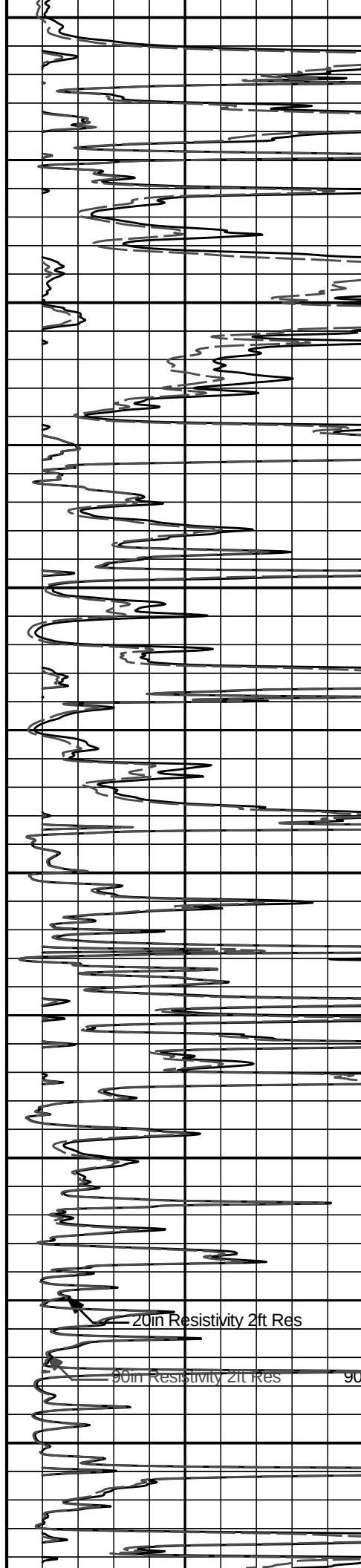
4300

4400

4500

Gamma API

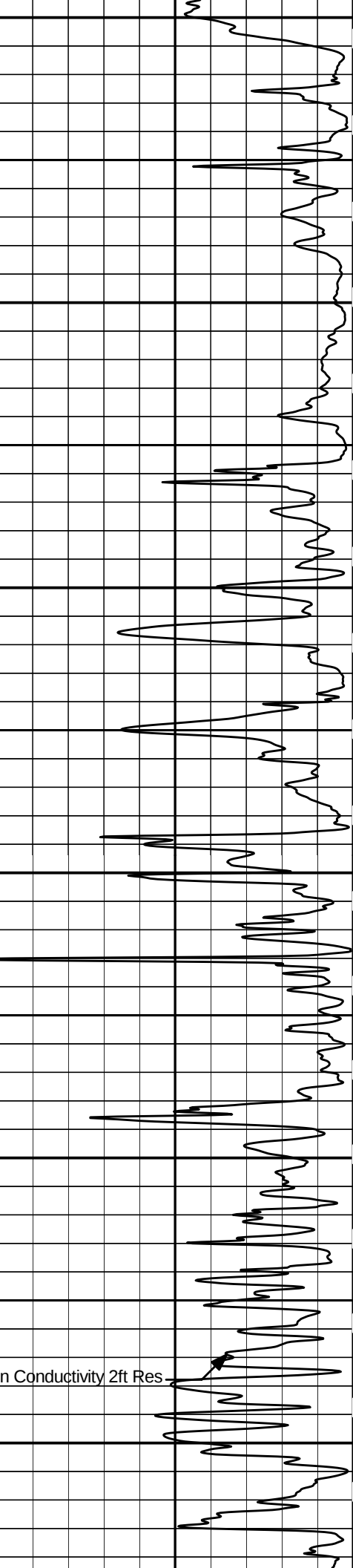
SP

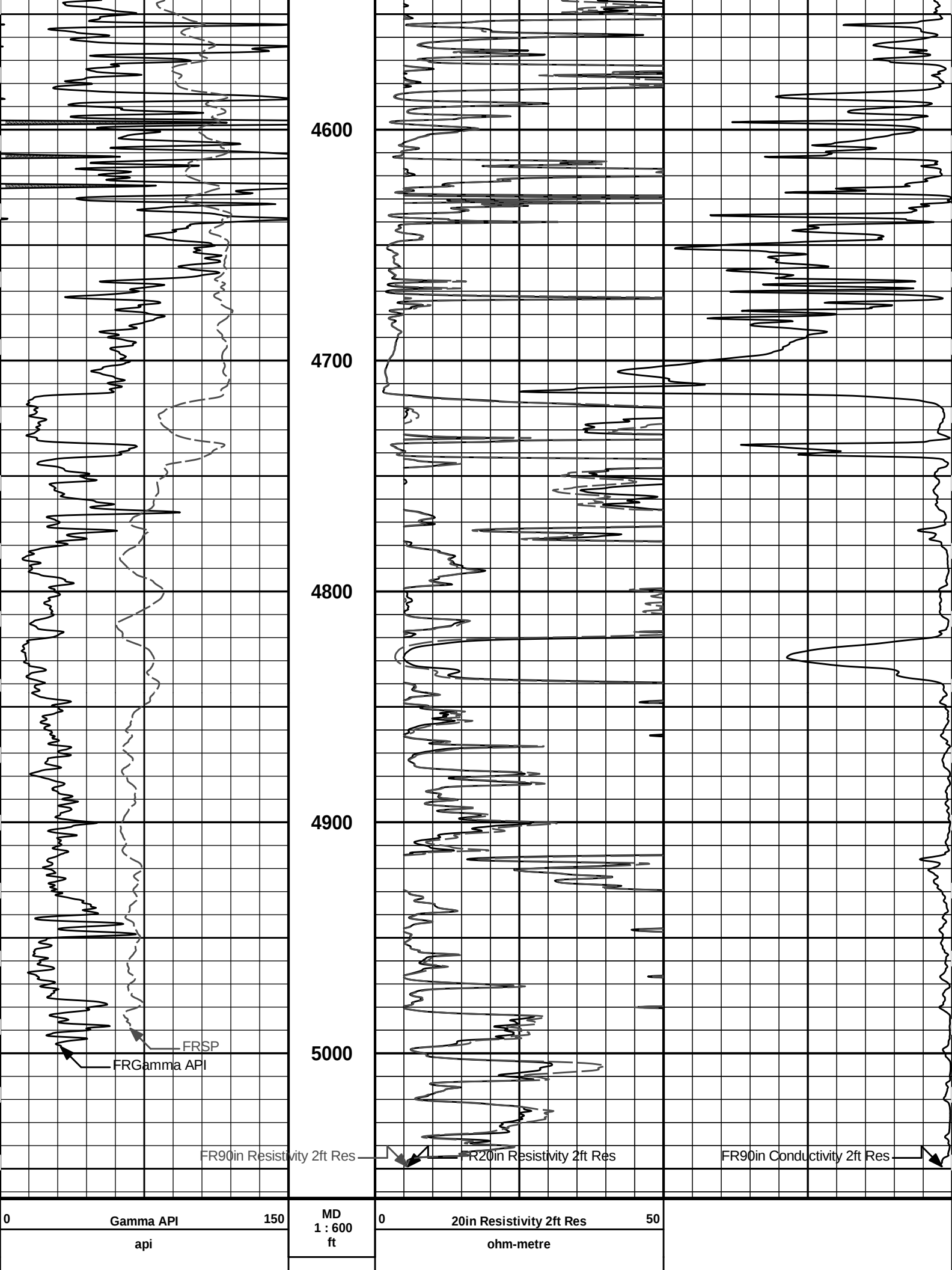


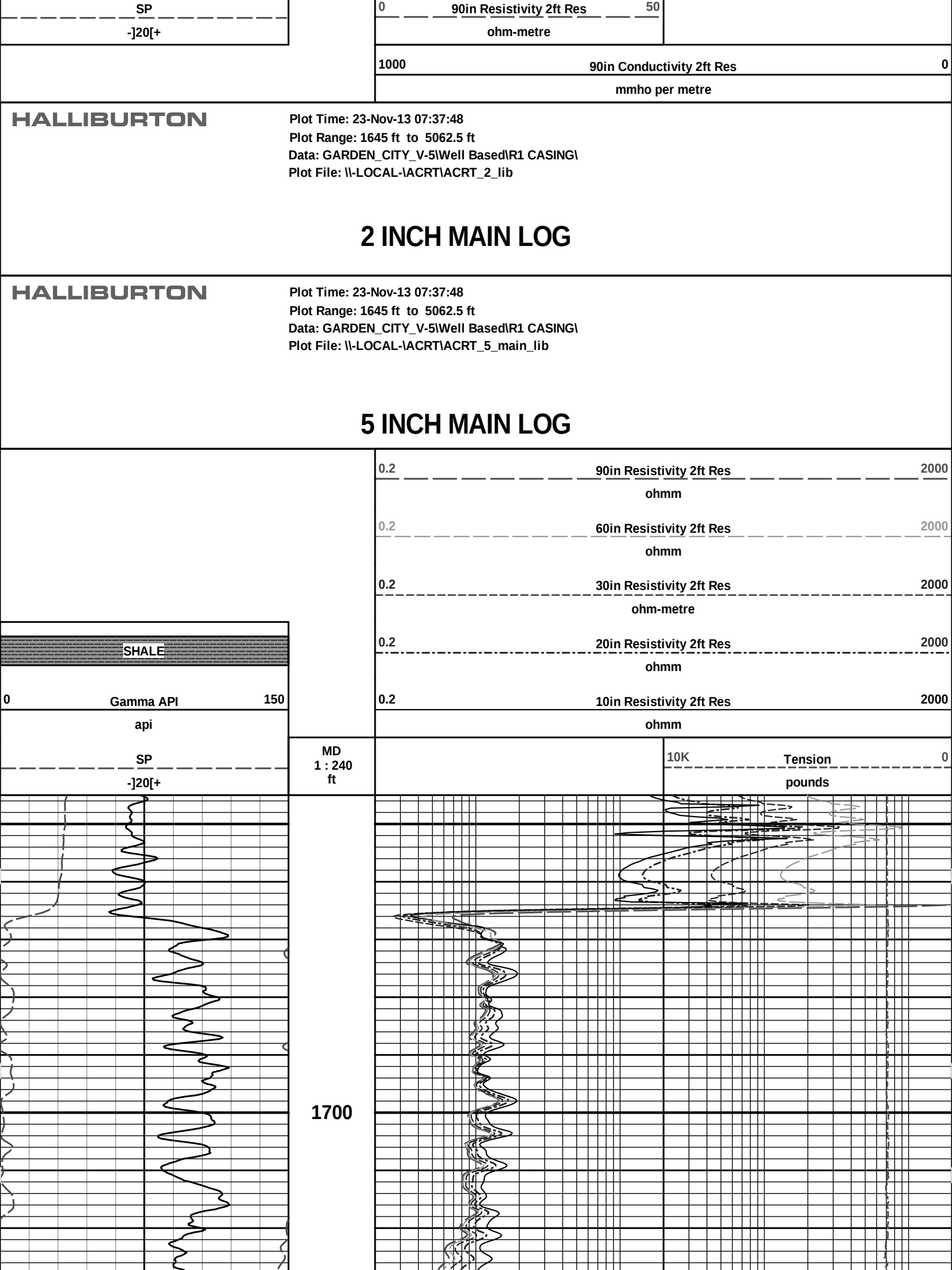
20in Resistivity 2ft Res

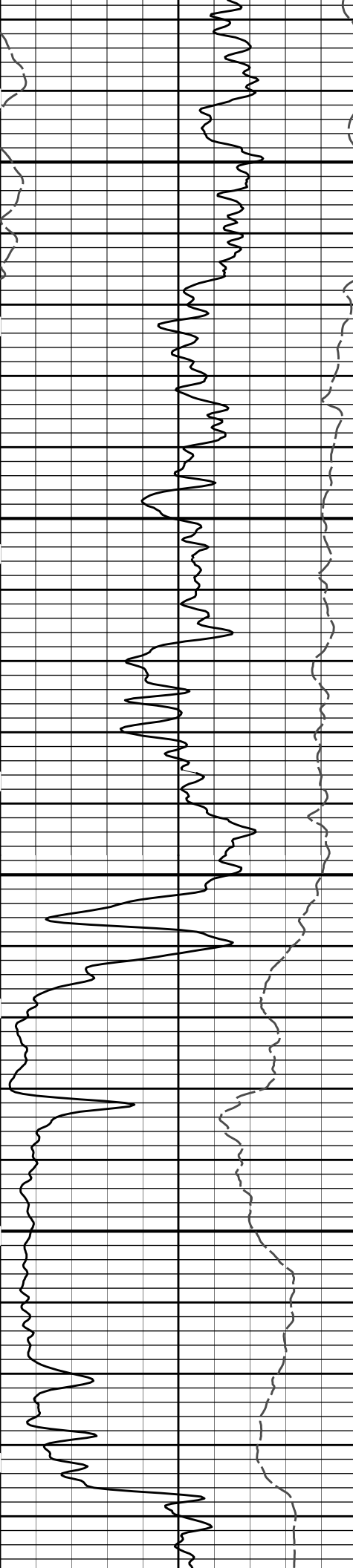
90in Resistivity 2ft Res

90in Conductivity 2ft Res



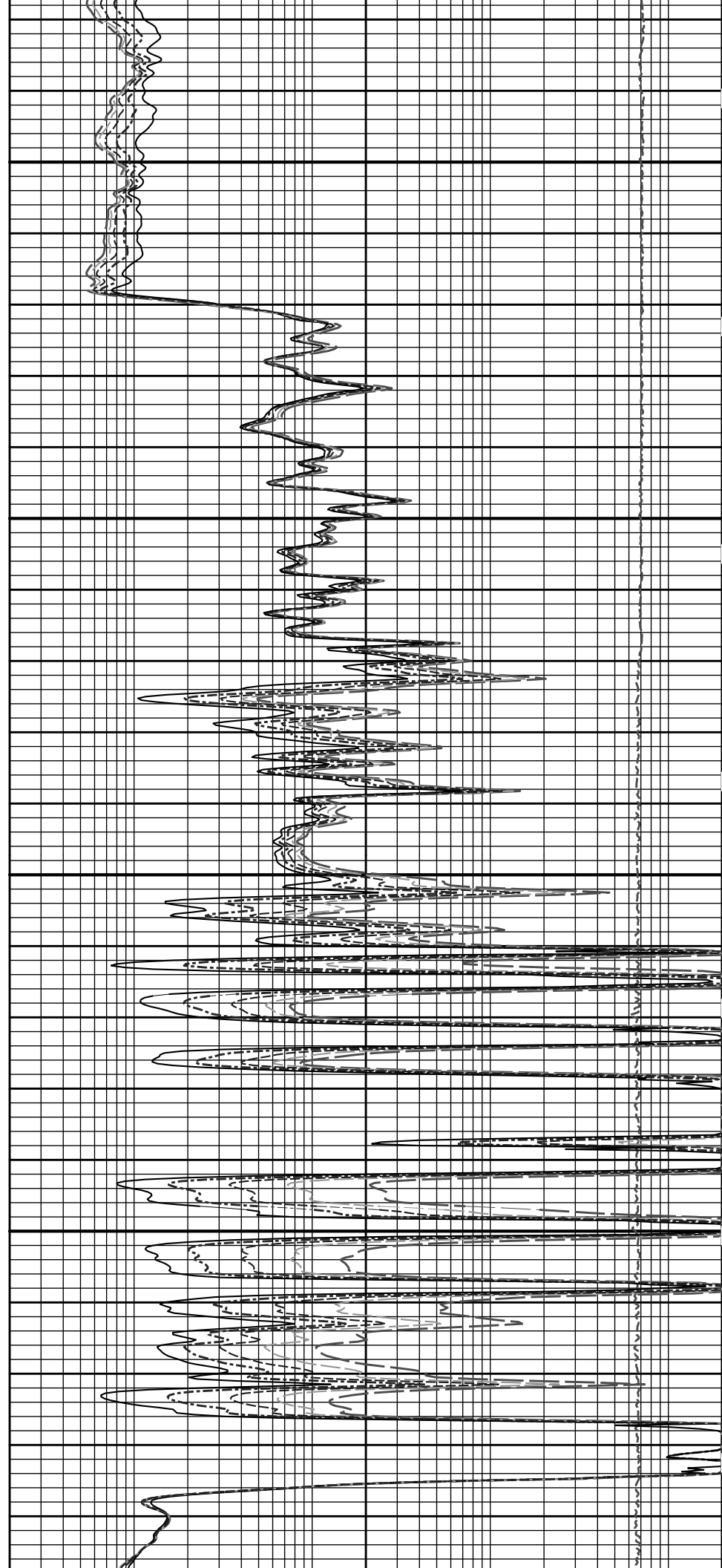


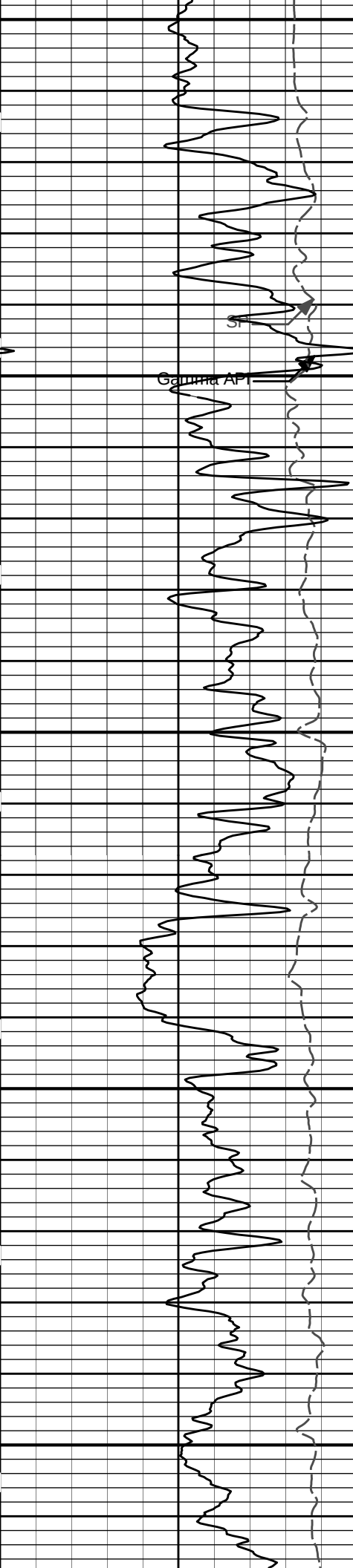




1800

1900



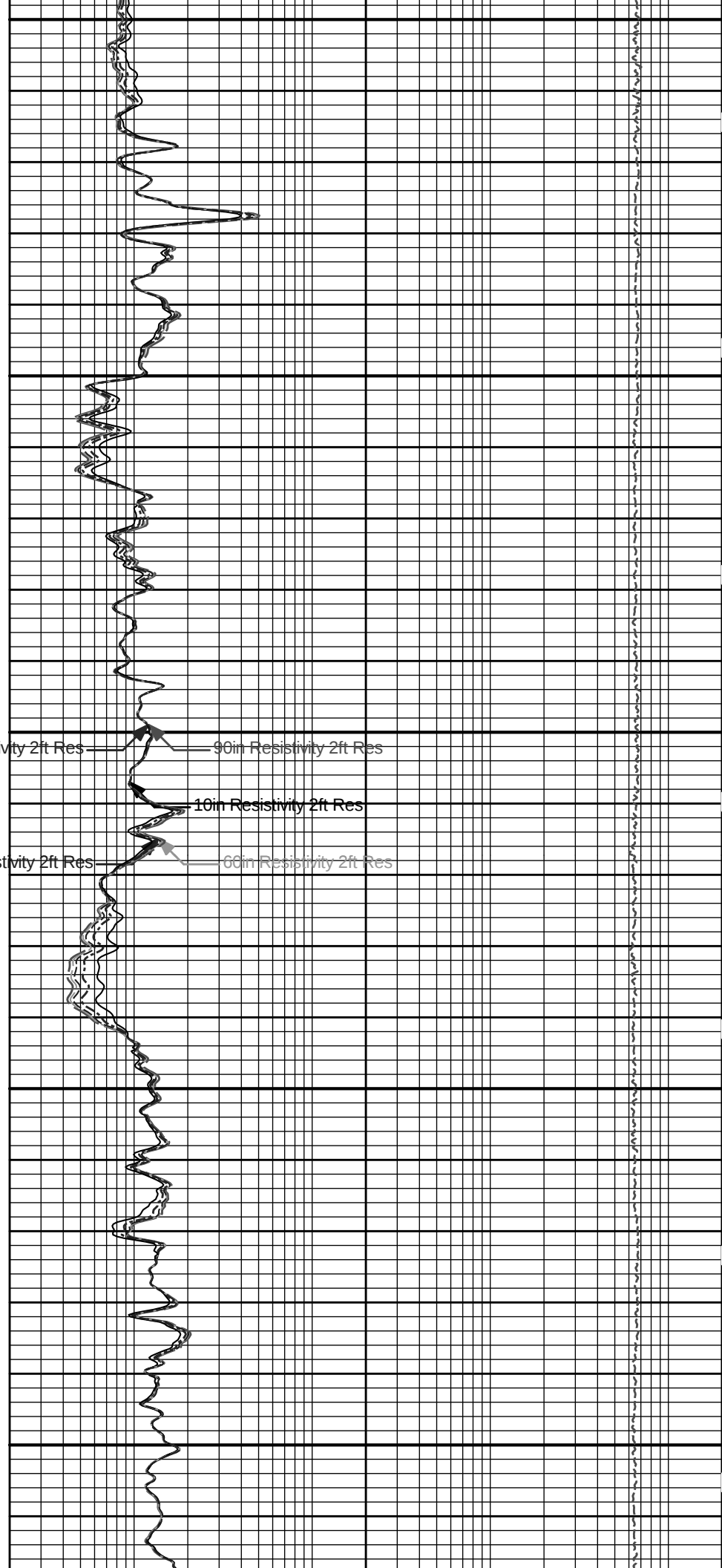


2000

20in Resistivity 2ft Res

30in Resistivity 2ft Res

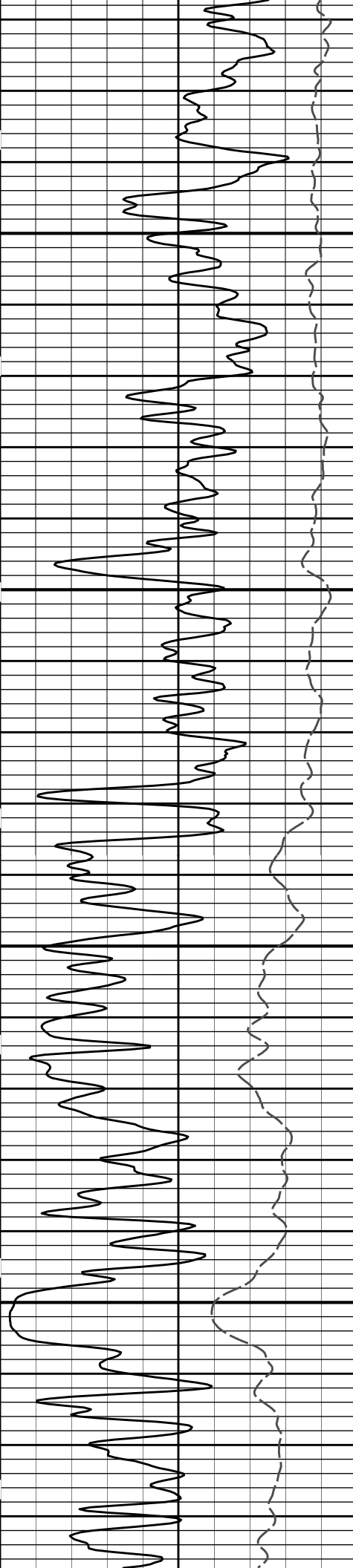
2100



90in Resistivity 2ft Res

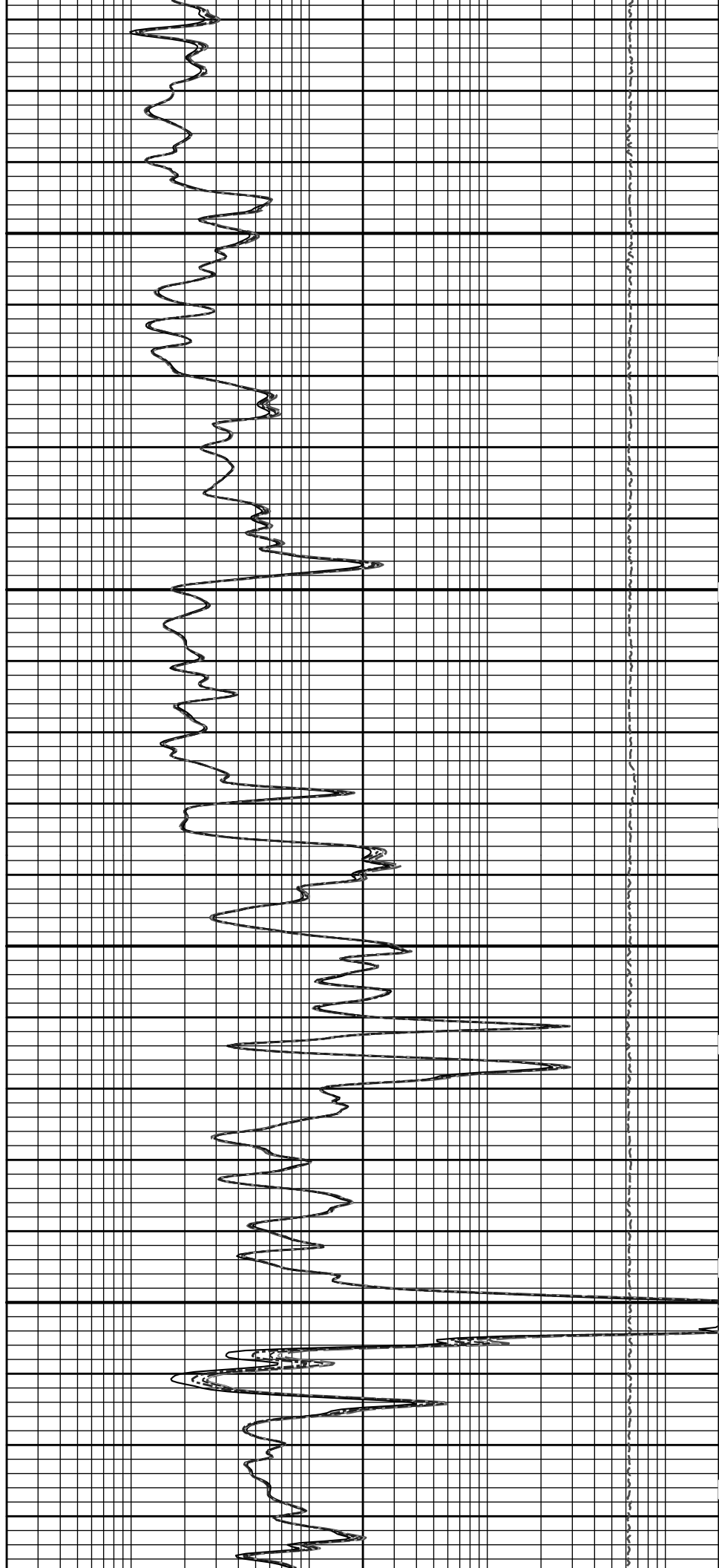
10in Resistivity 2ft Res

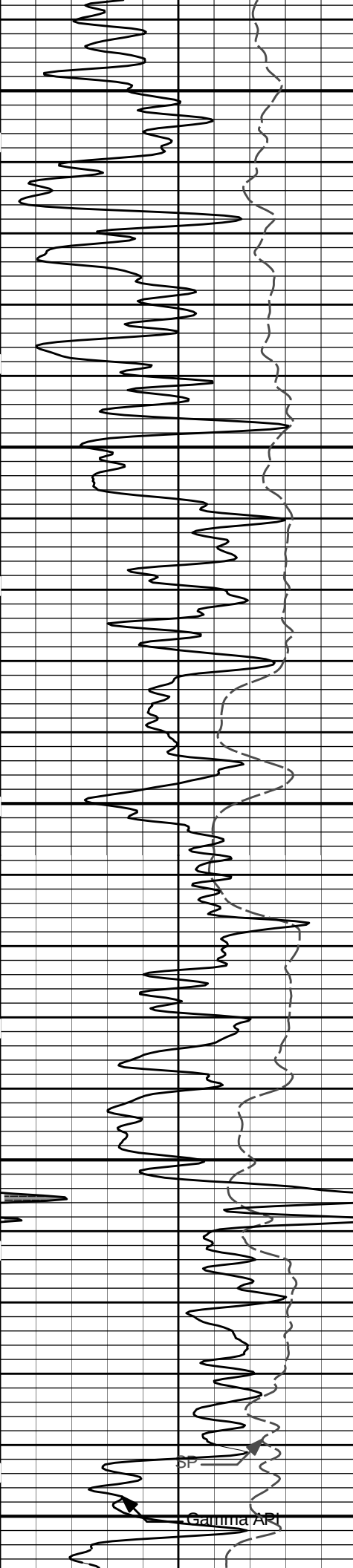
60in Resistivity 2ft Res



2200

2300



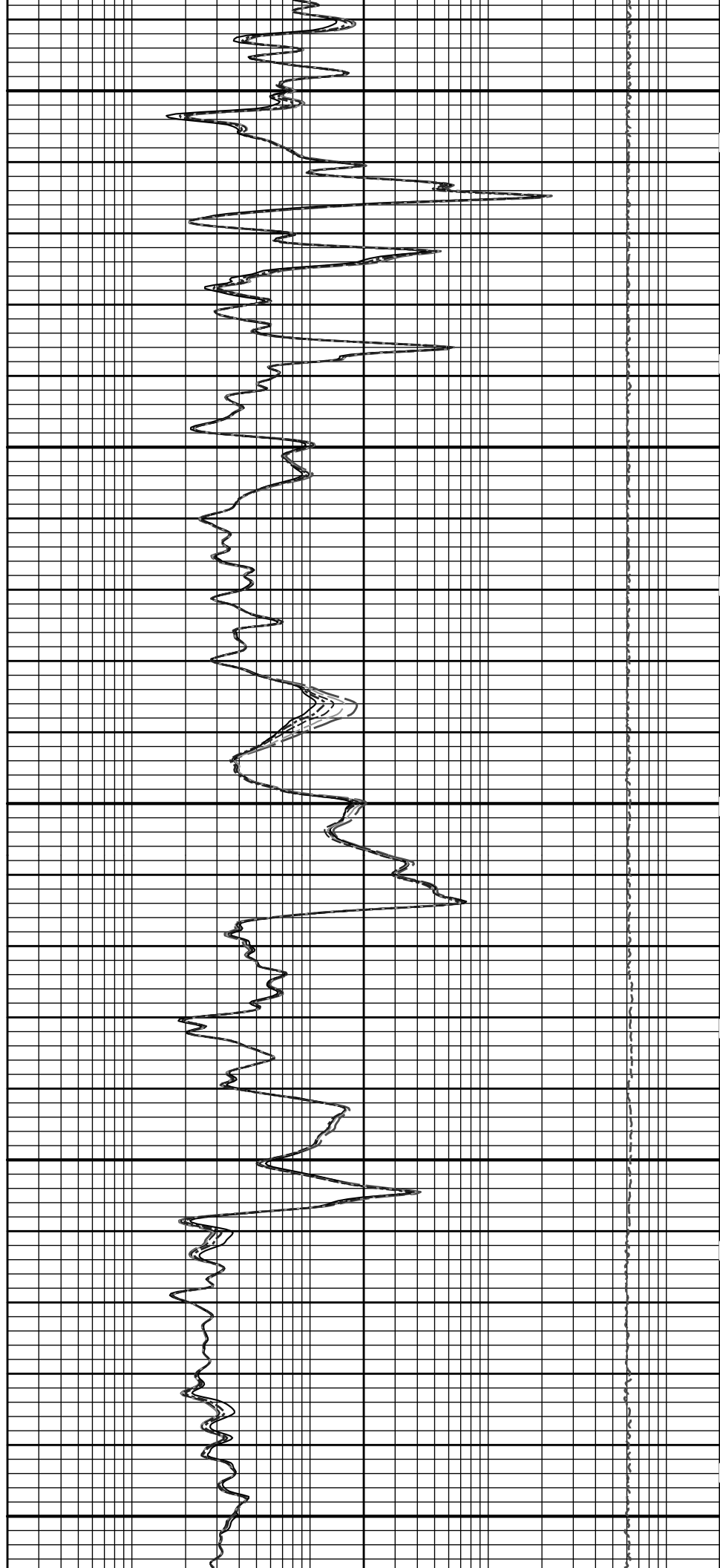


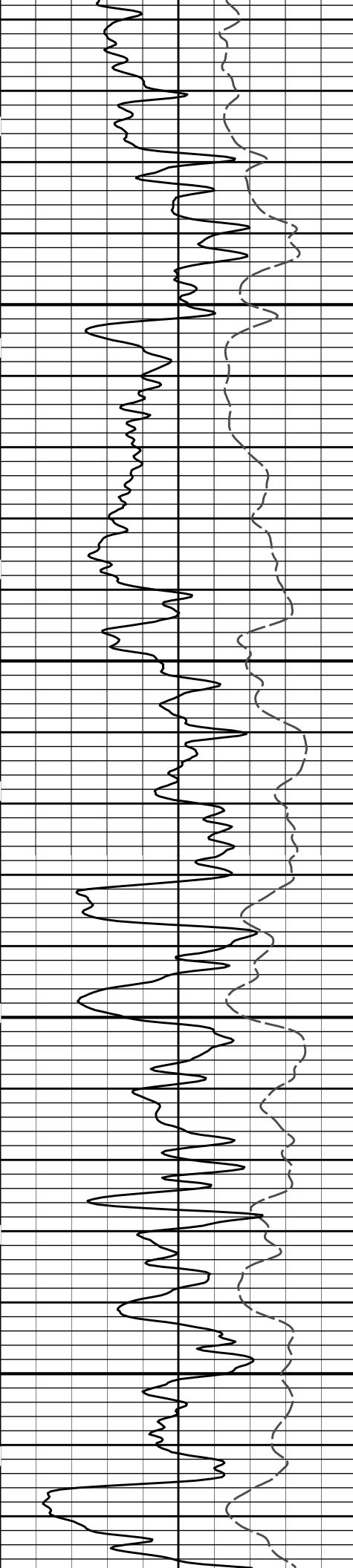
2400

2500

2600

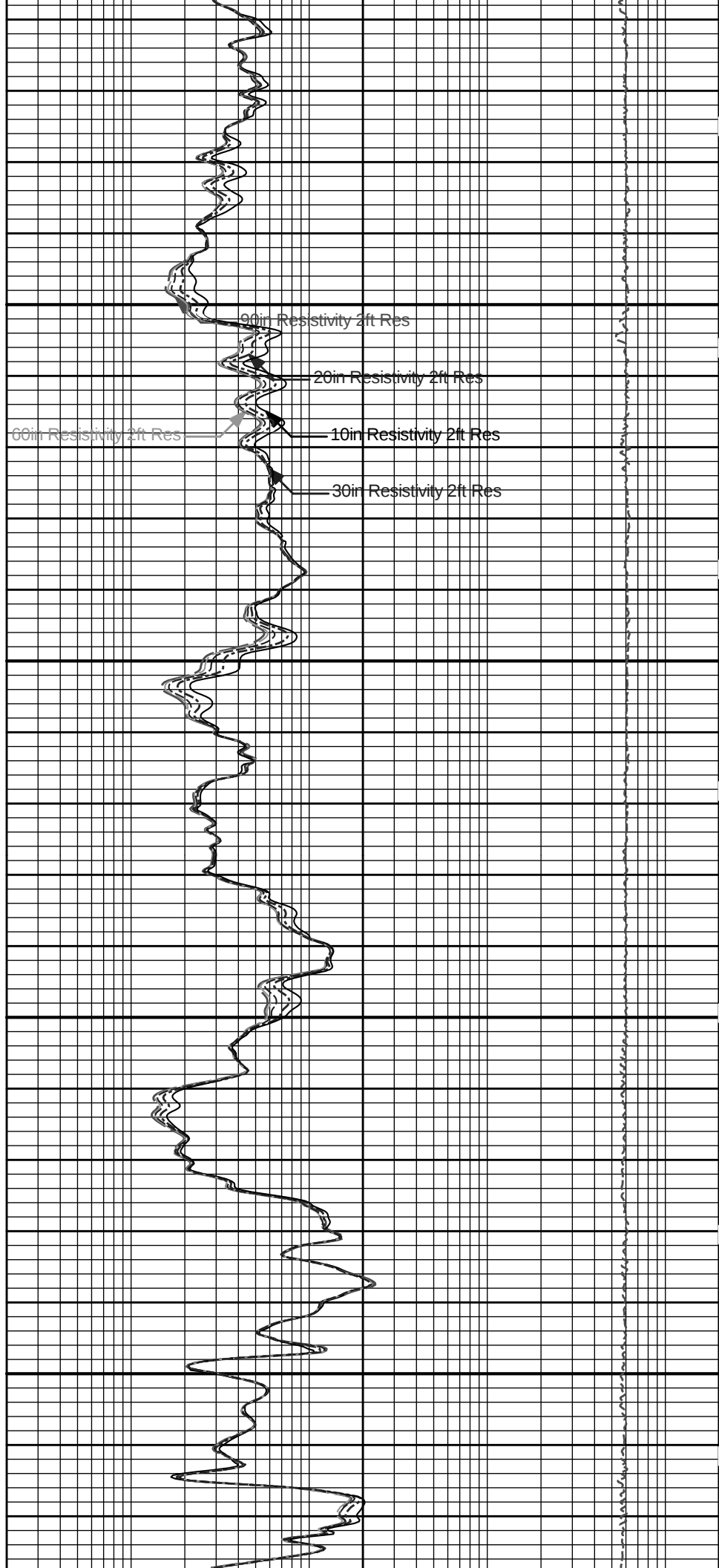
Gamma API

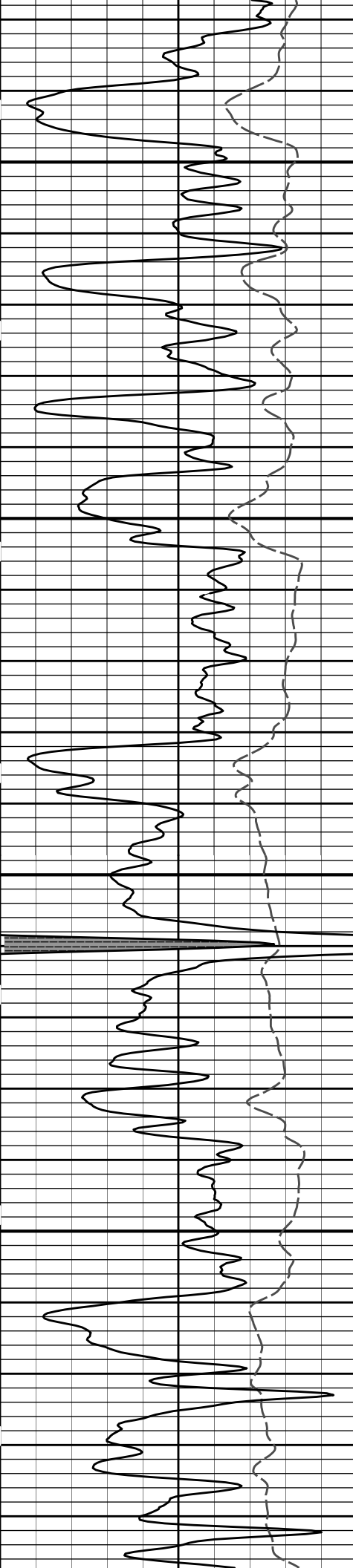




2700

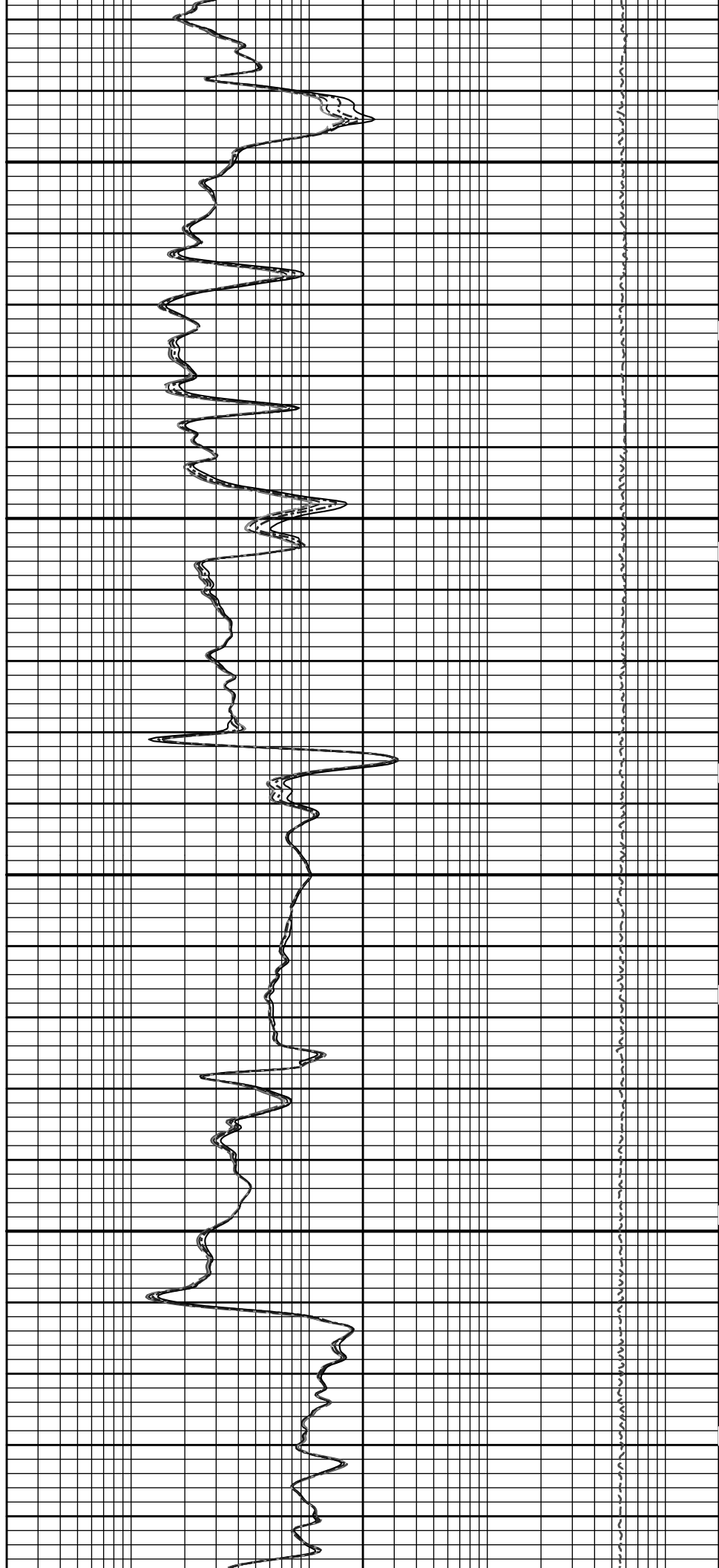
2800

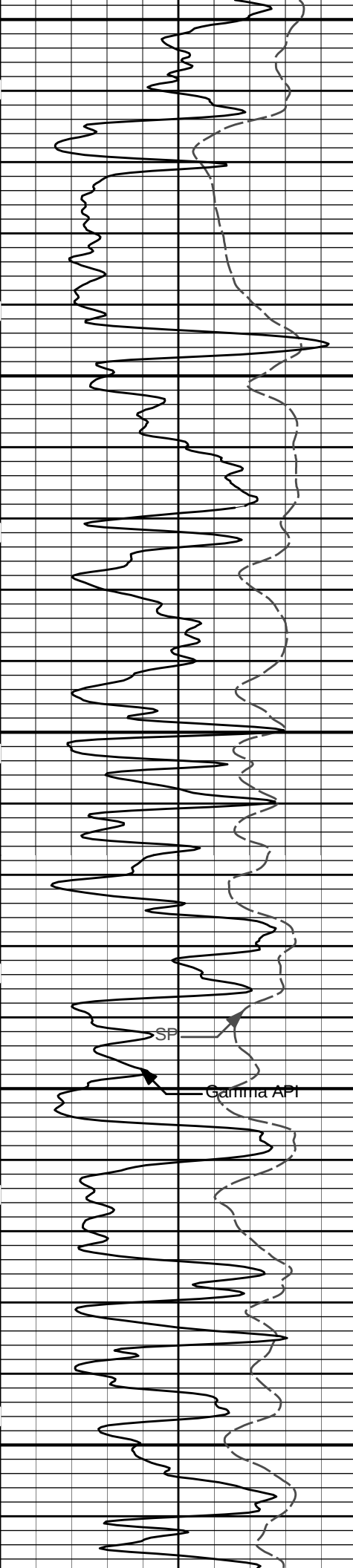




2900

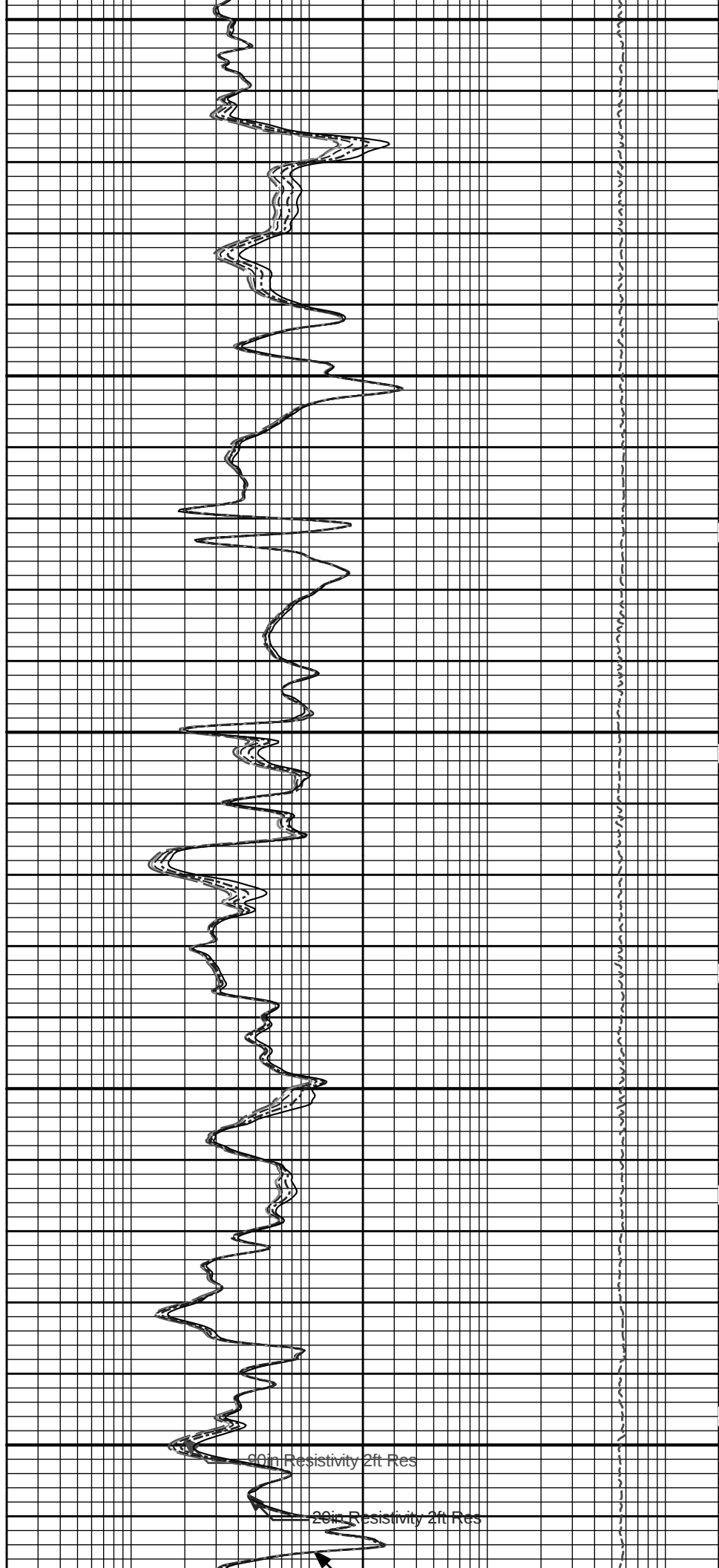
3000





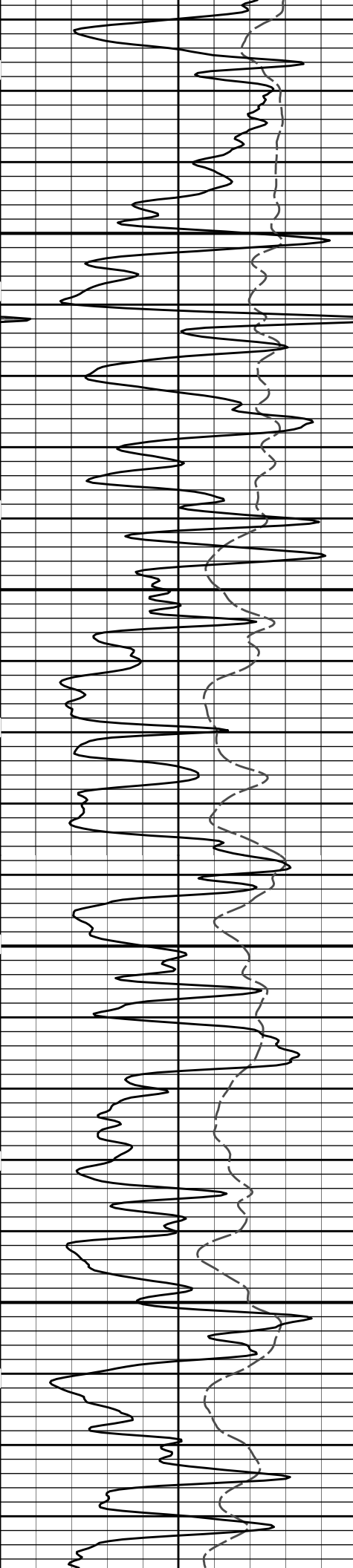
3100

3200



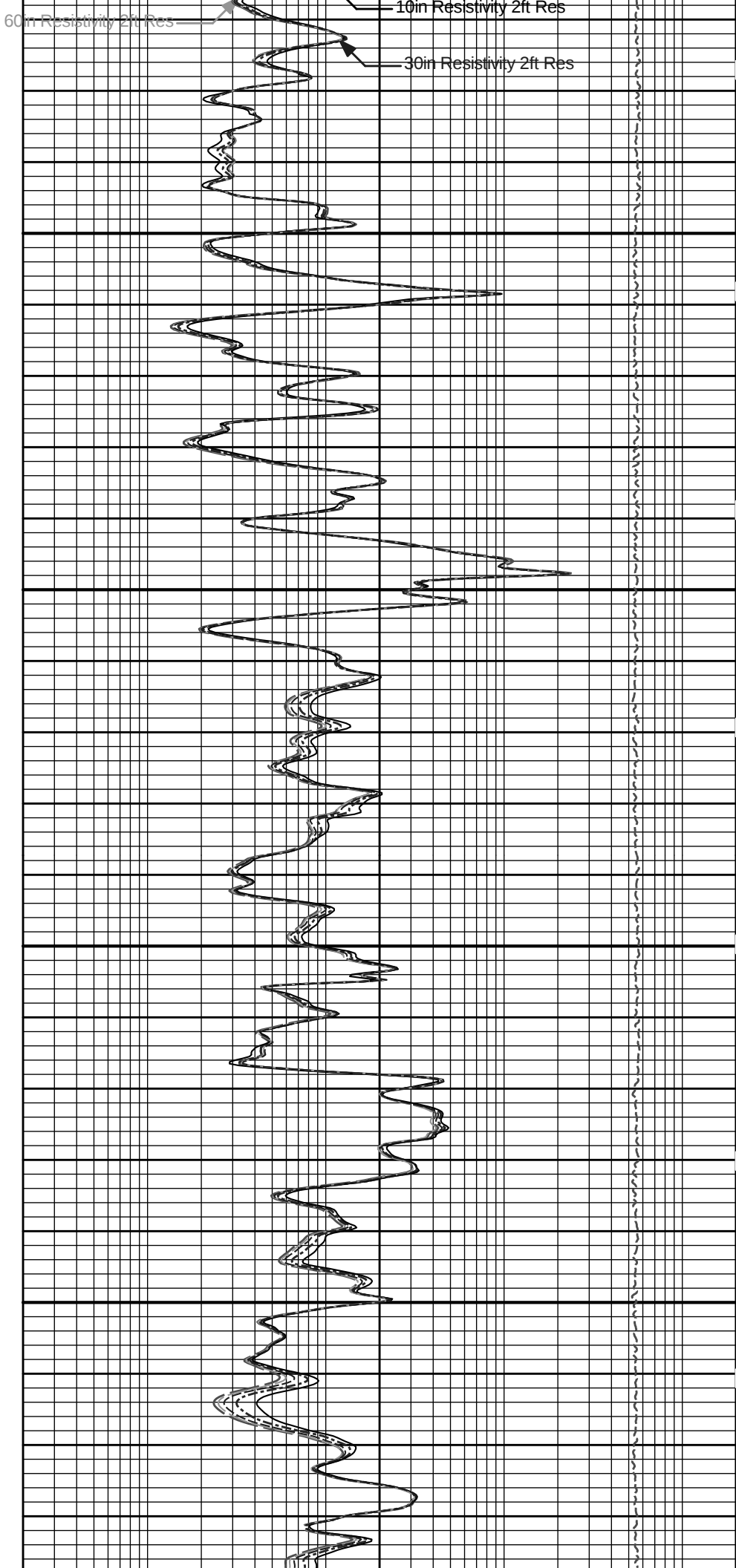
80in Resistivity 2ft Res

20in Resistivity 2ft Res



3300

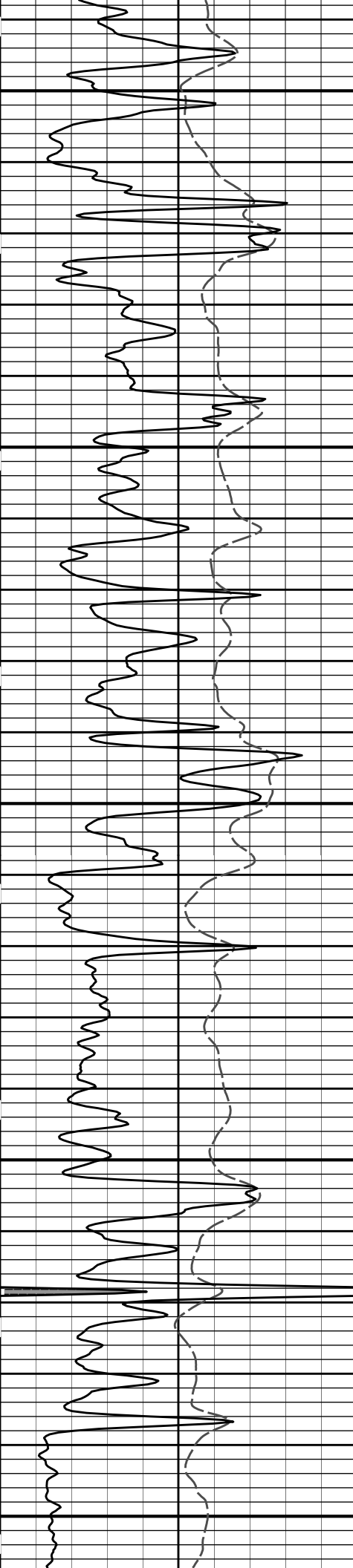
3400



60in Resistivity 2ft Res

10in Resistivity 2ft Res

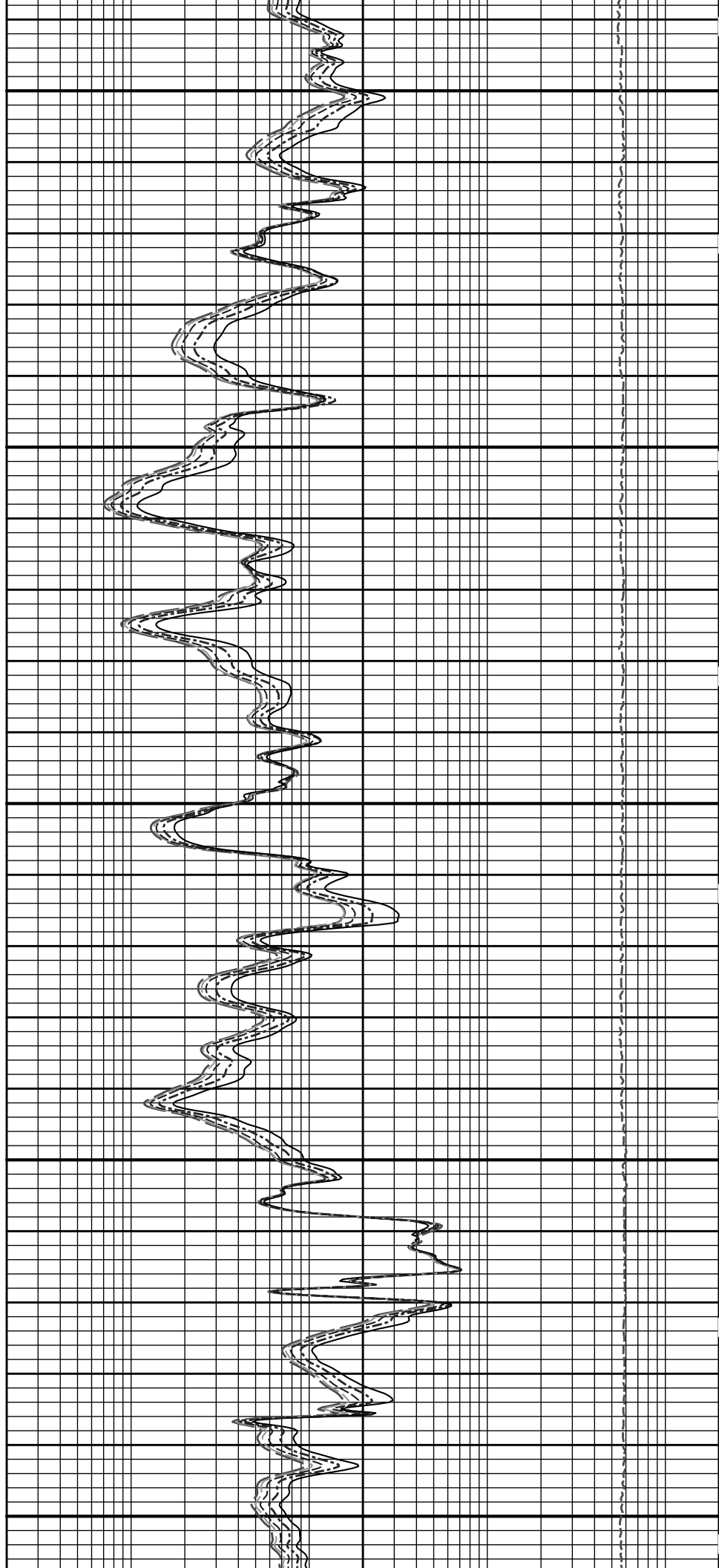
30in Resistivity 2ft Res

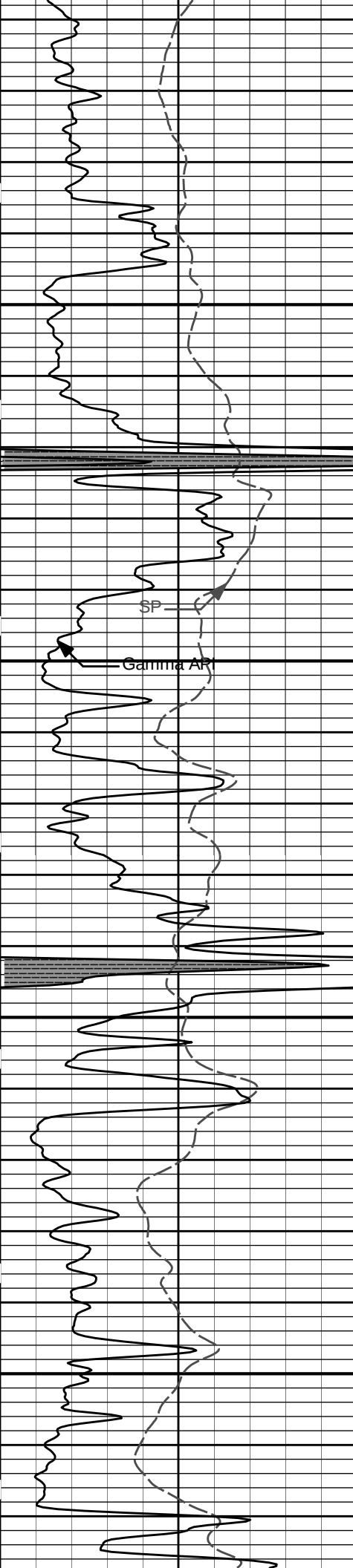


3500

3600

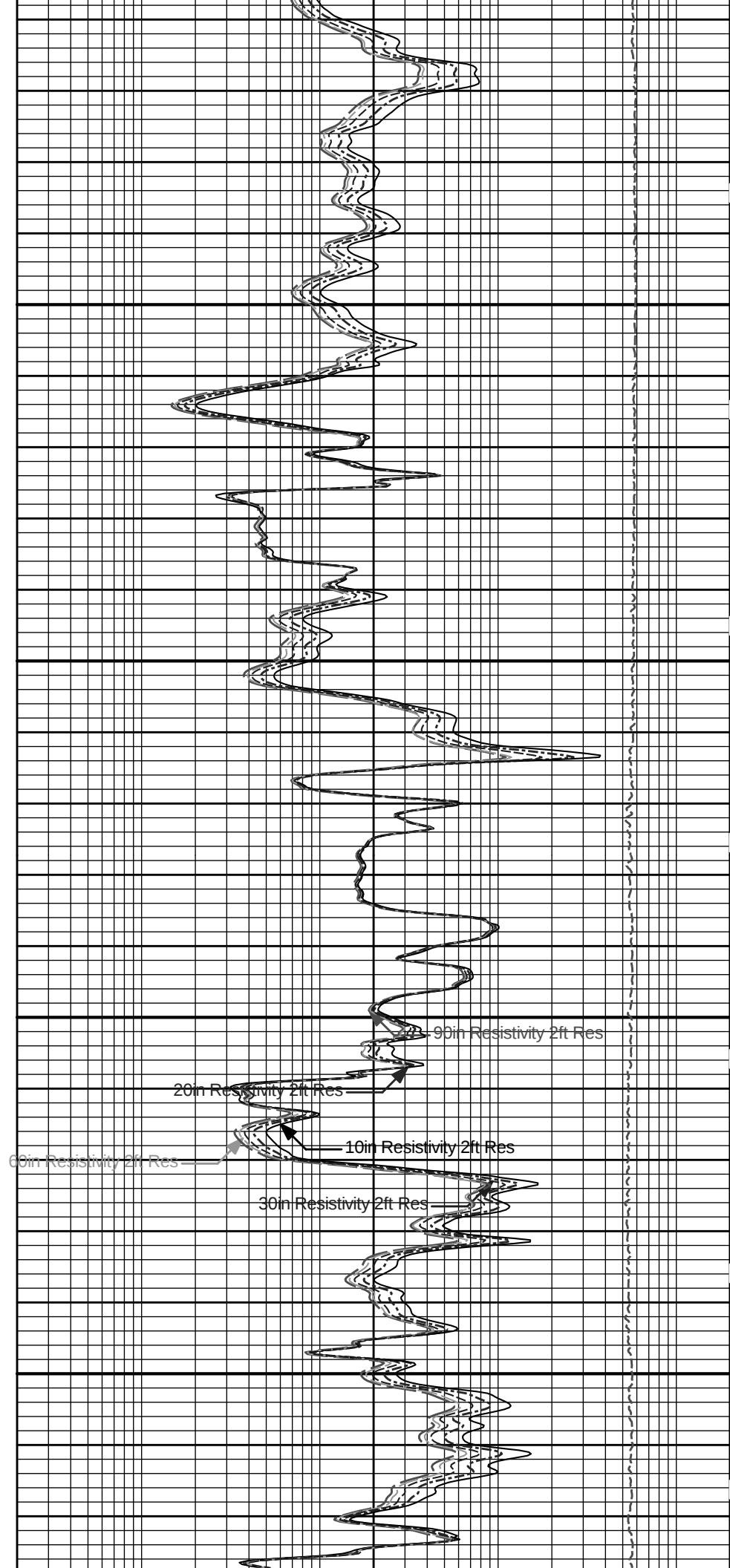
3700

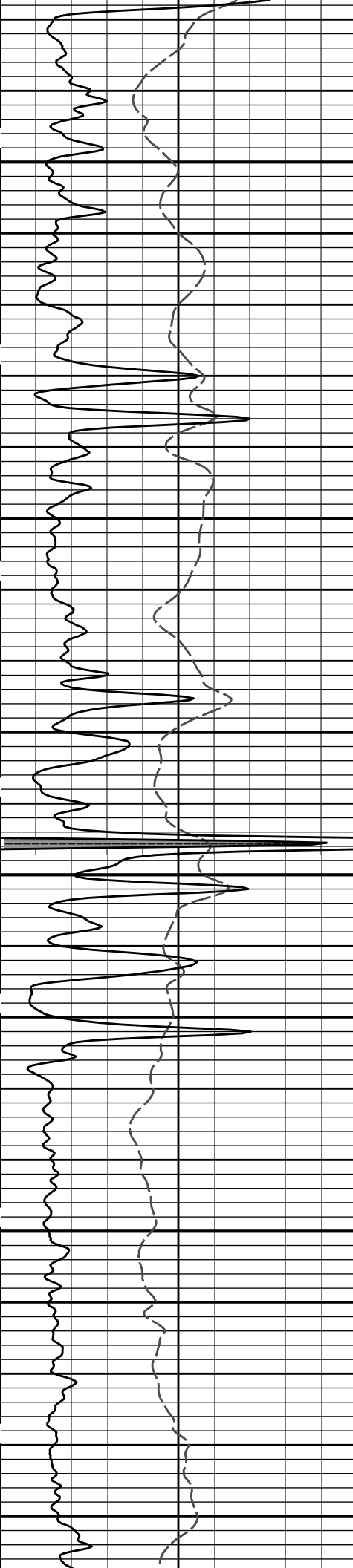




3800

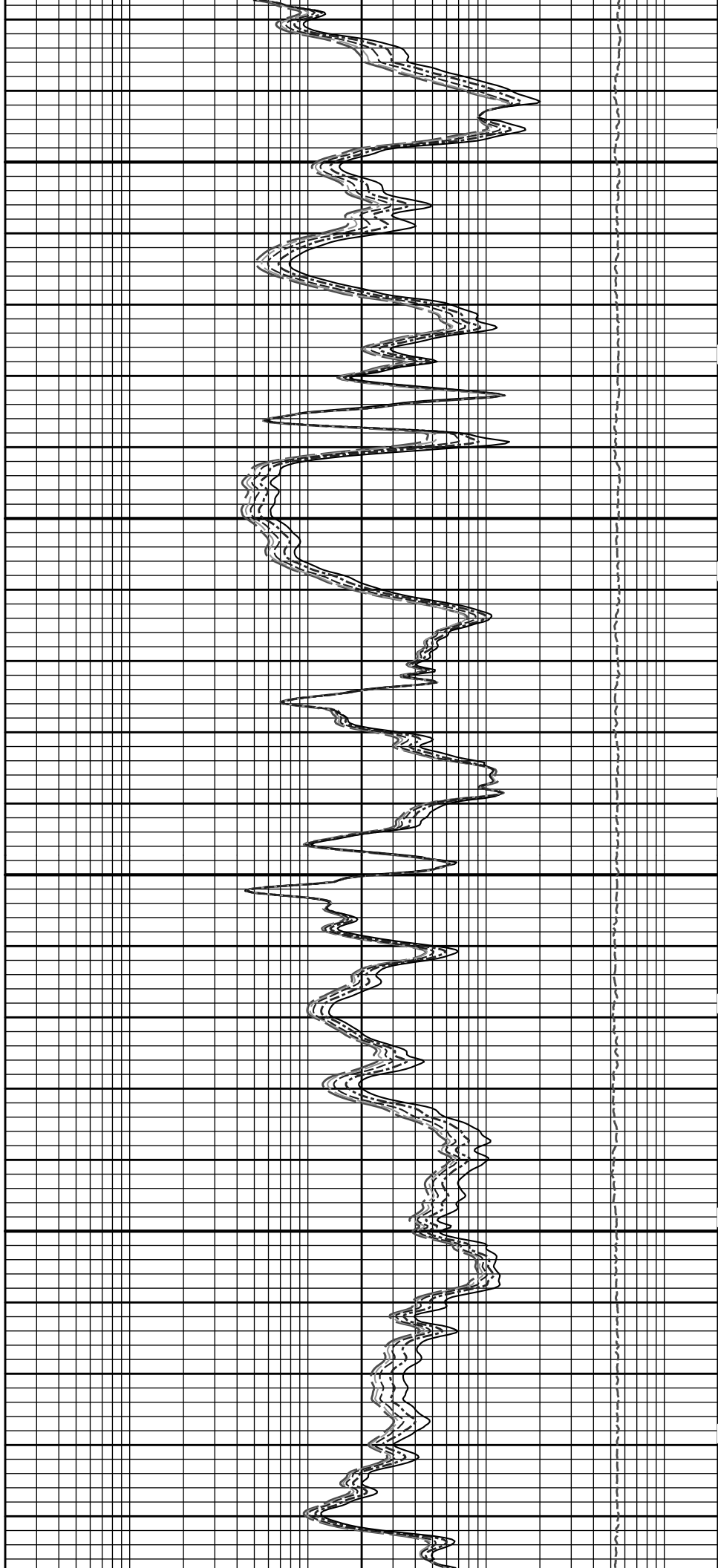
3900

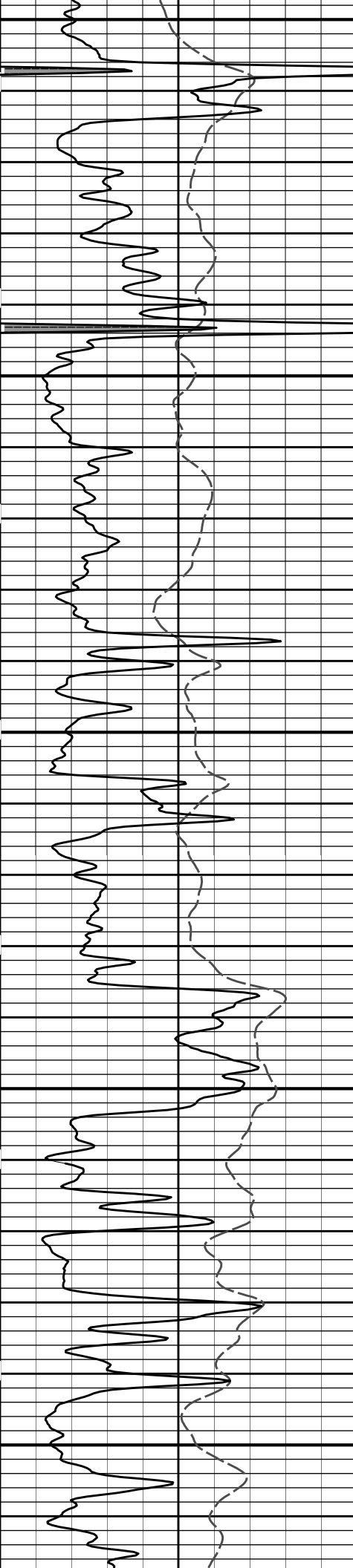




4000

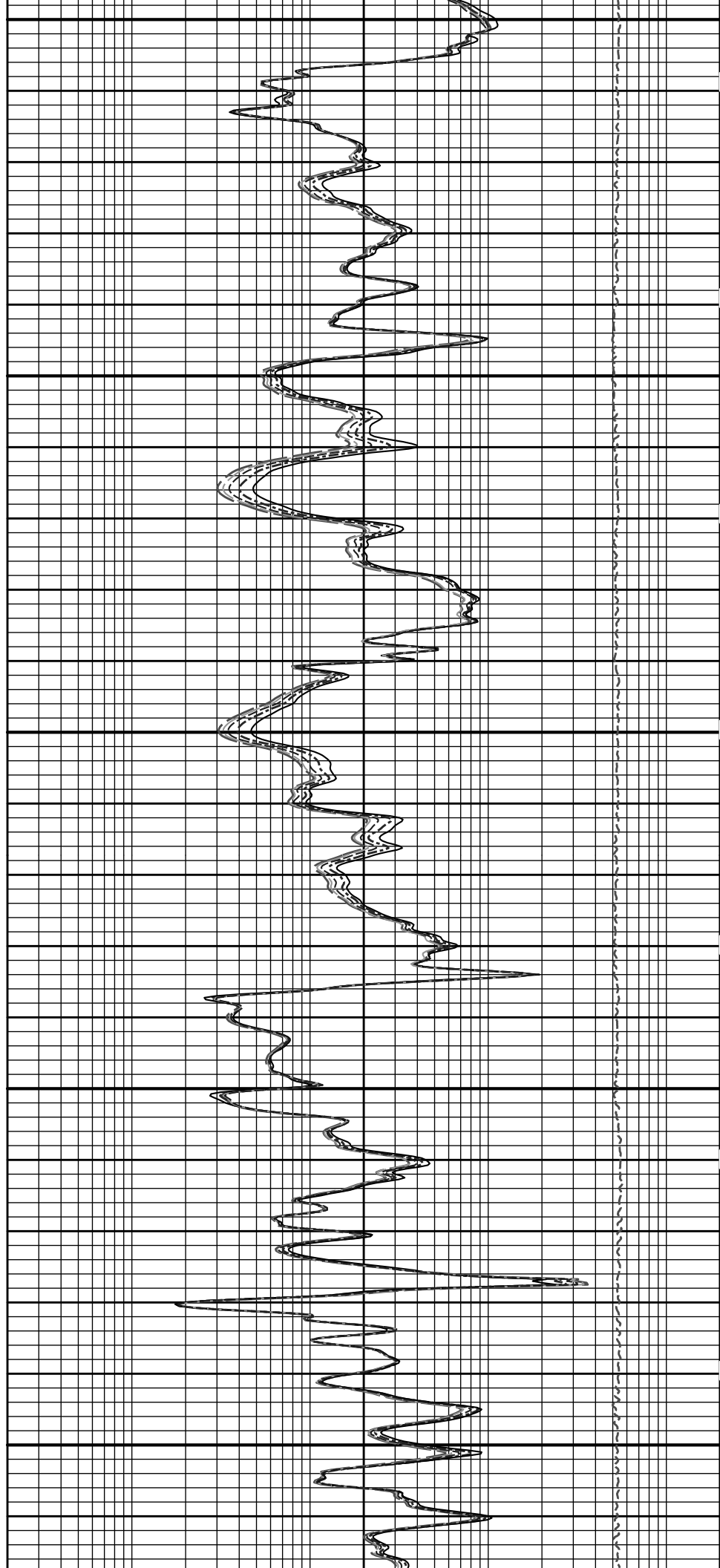
4100

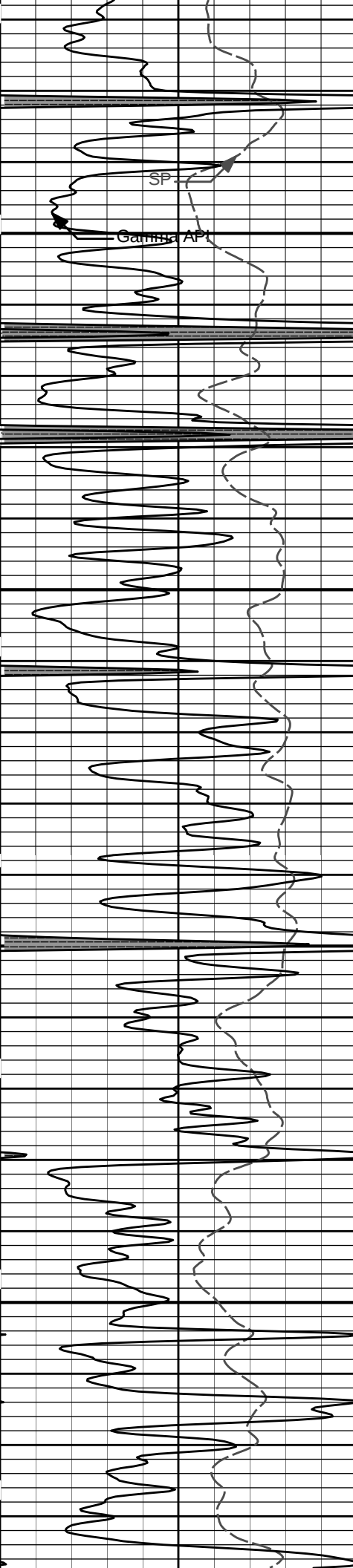




4200

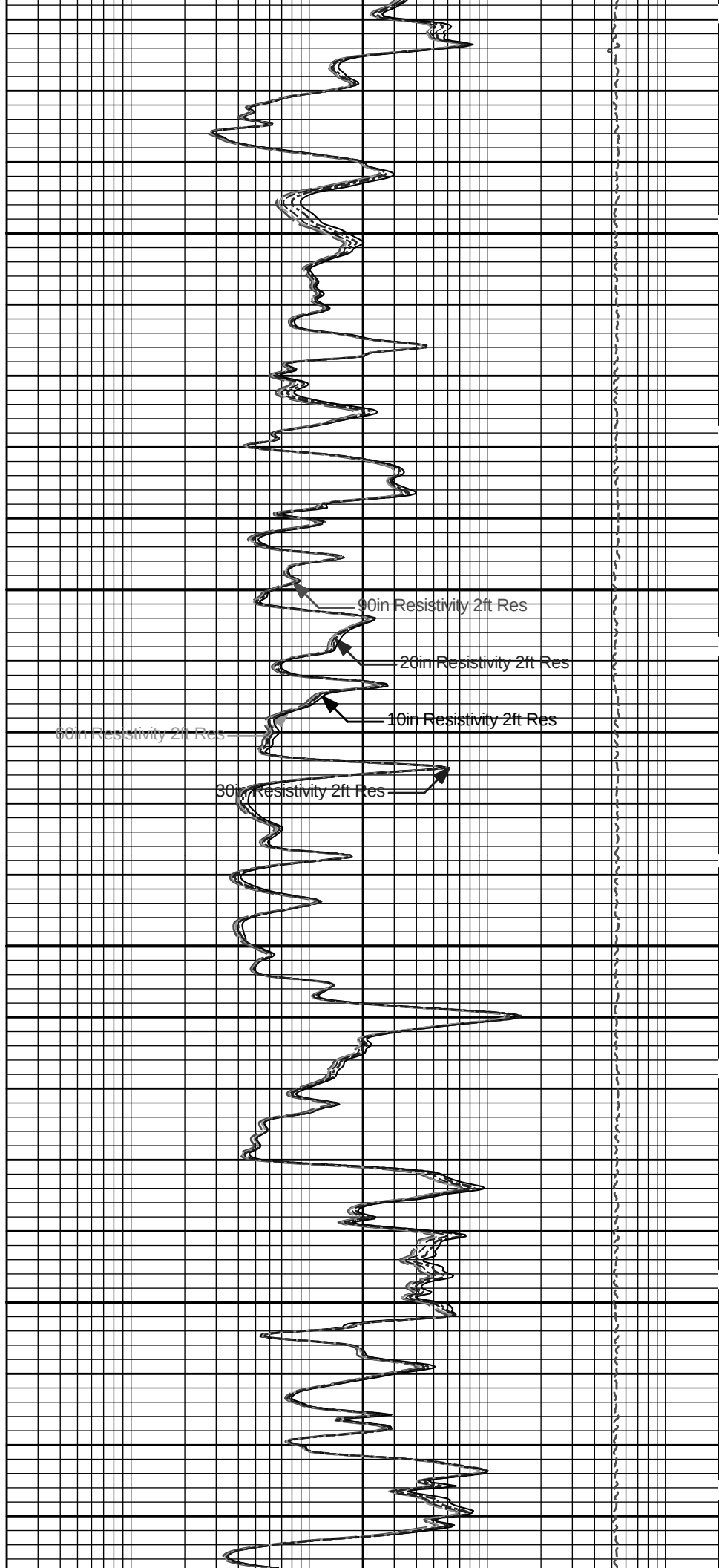
4300

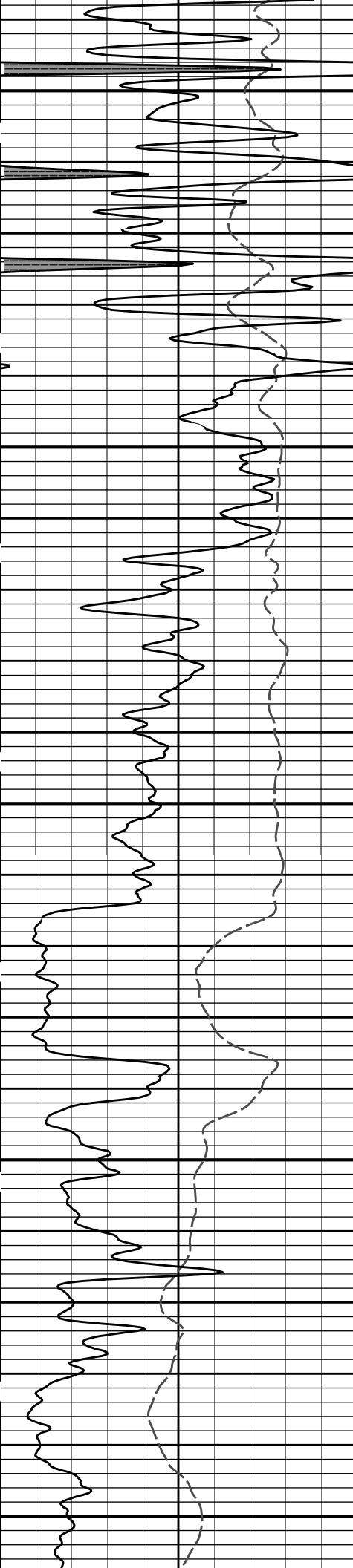




4400

4500

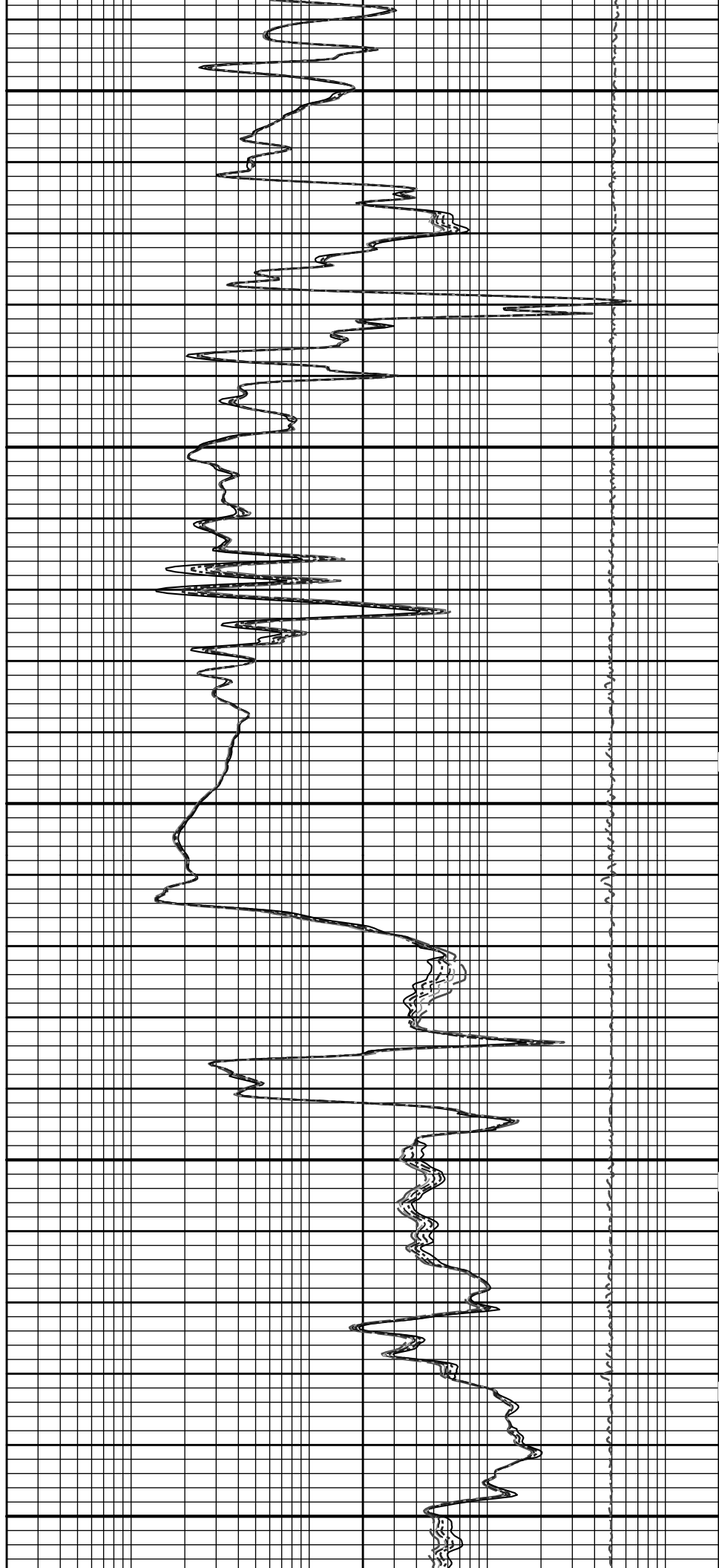


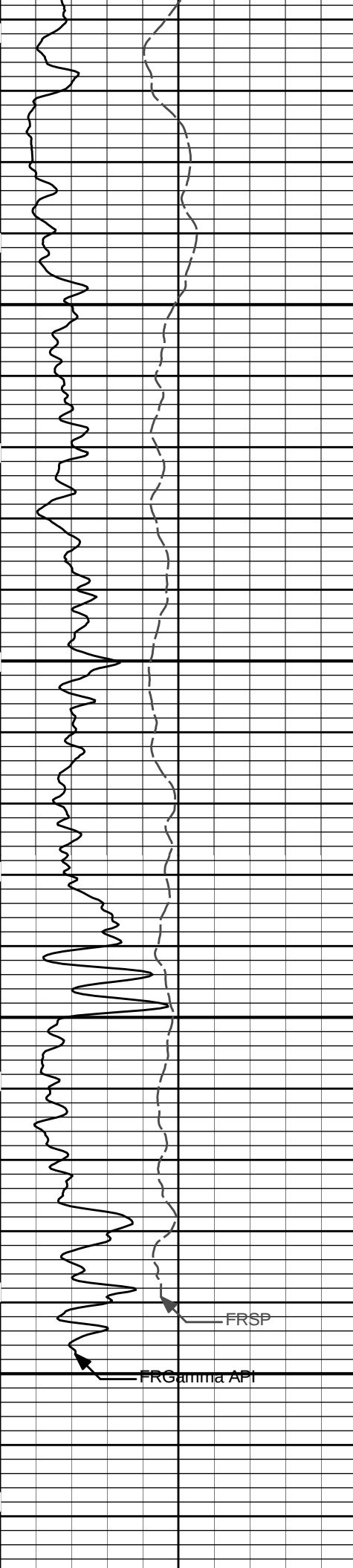


4600

4700

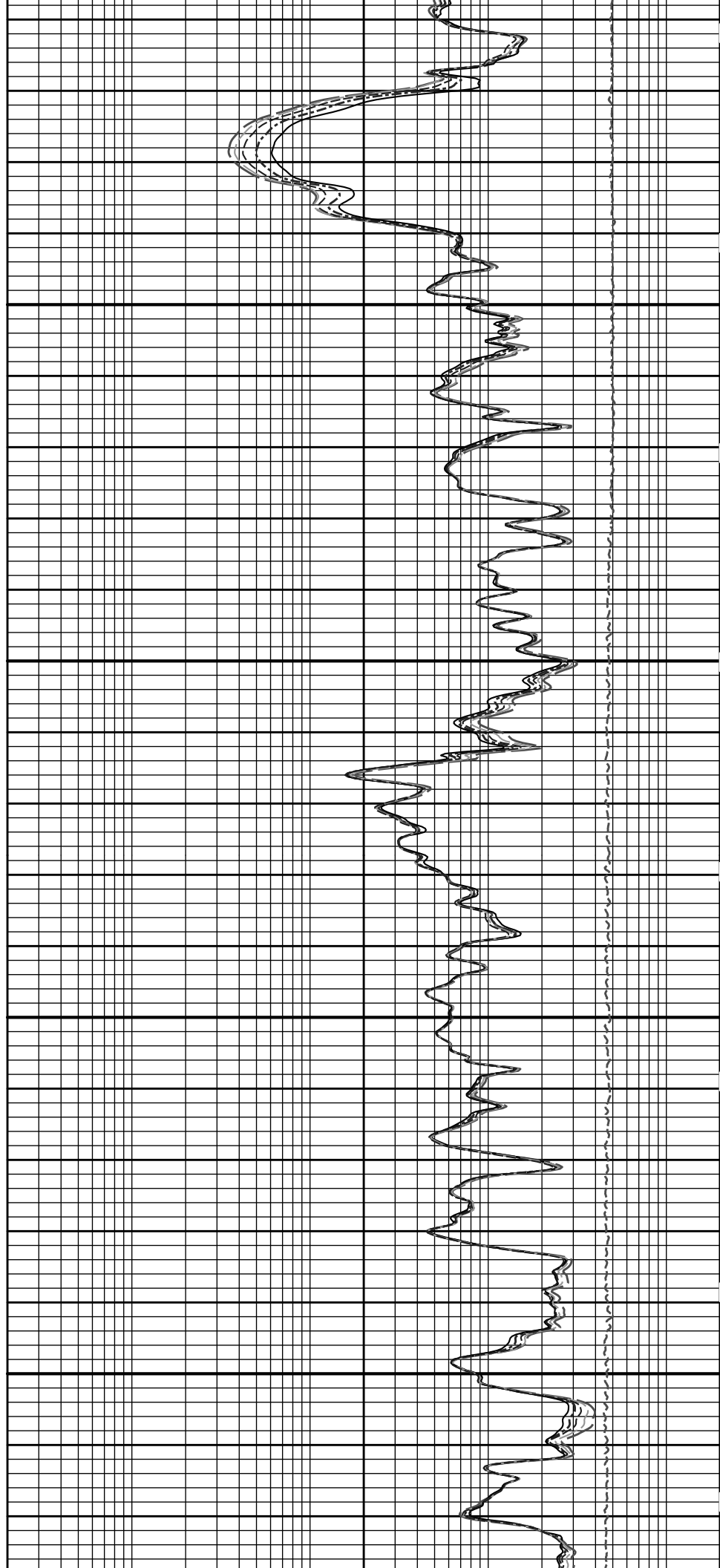
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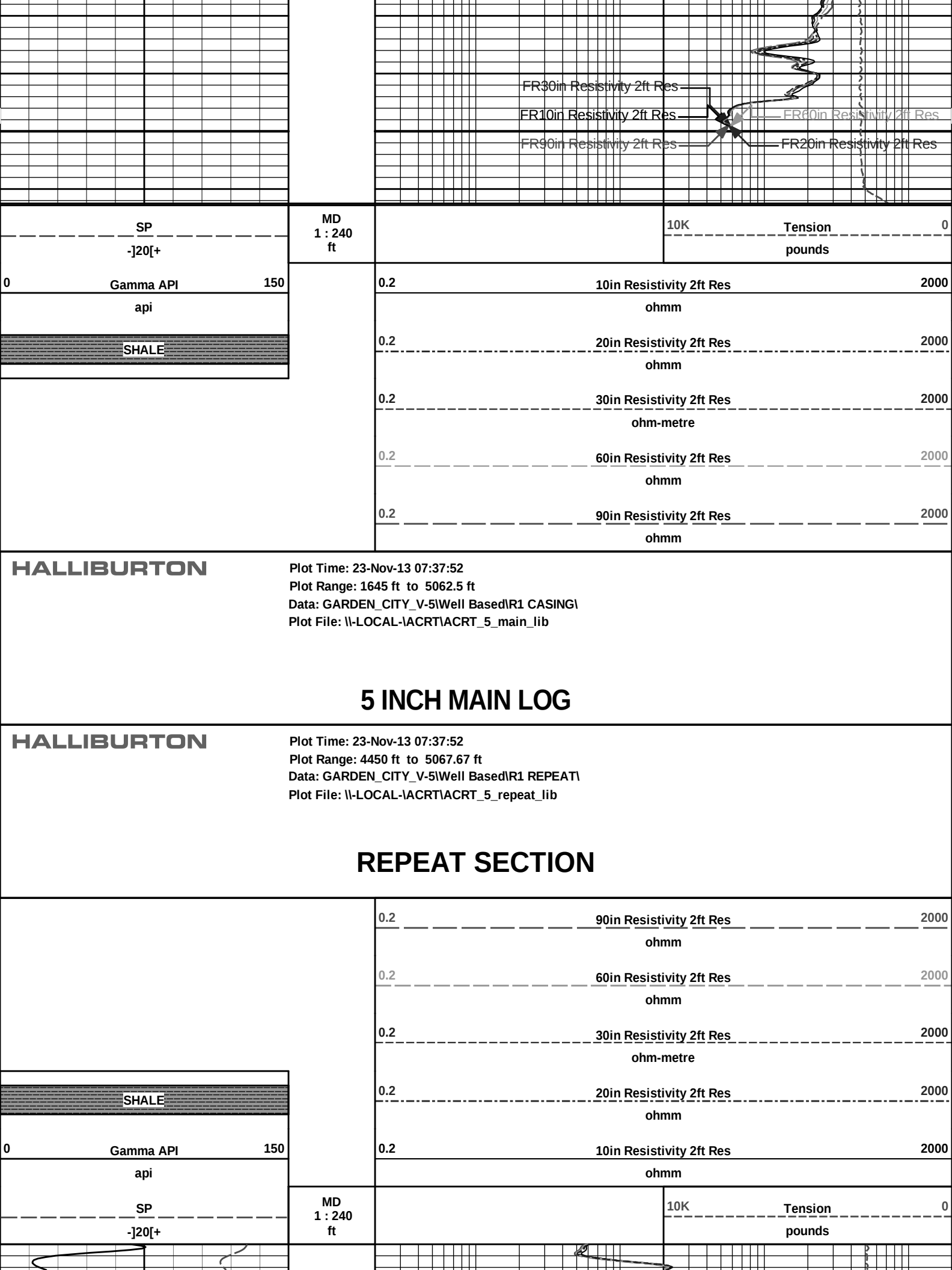


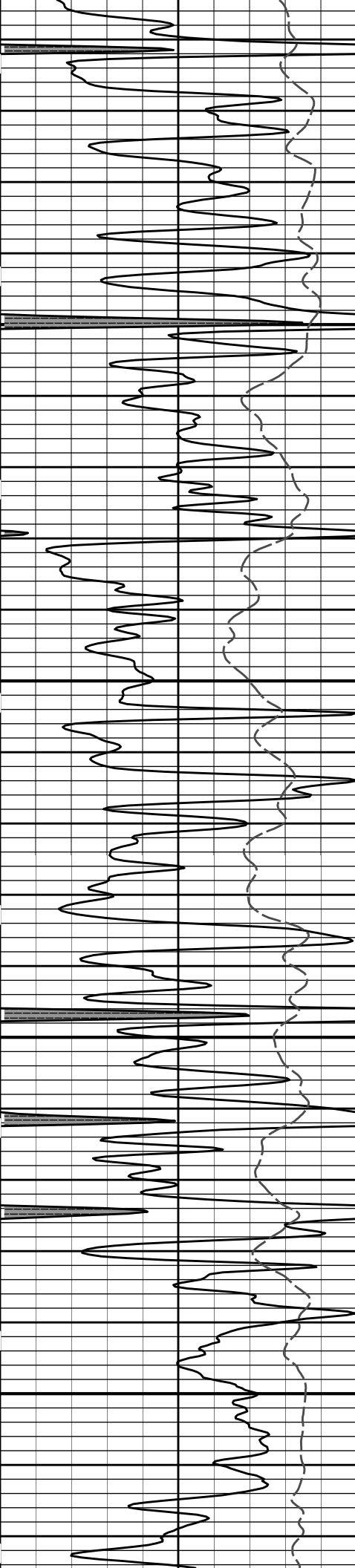


4900

5000

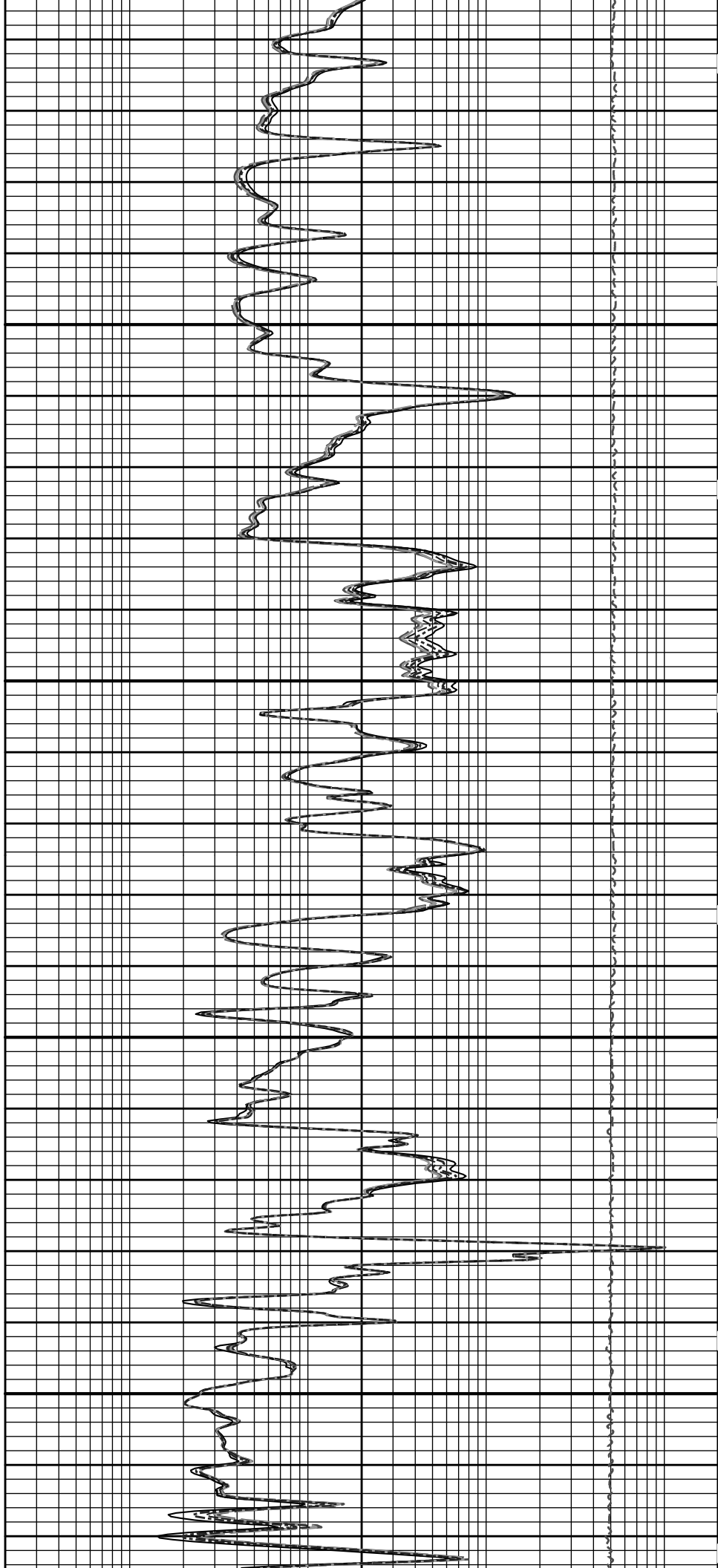


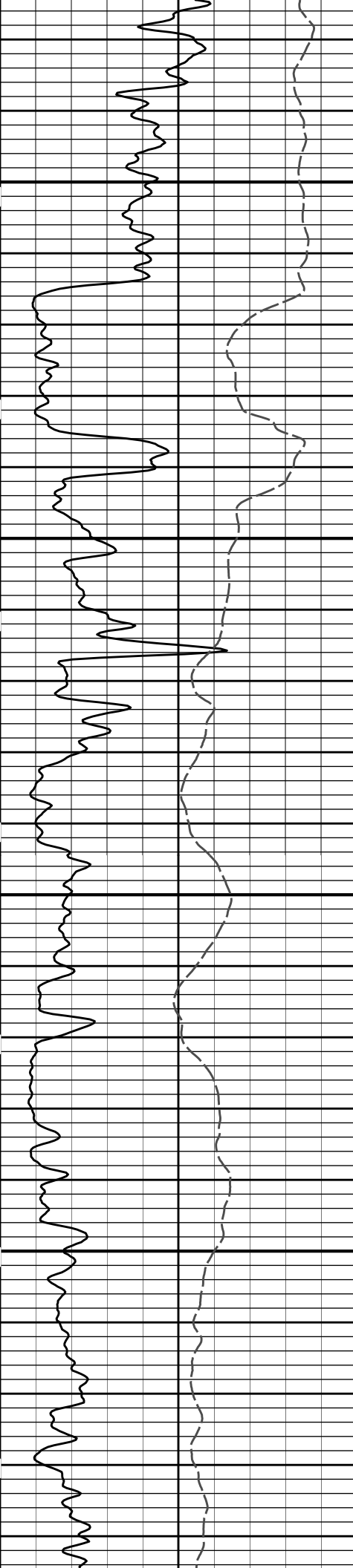




4500

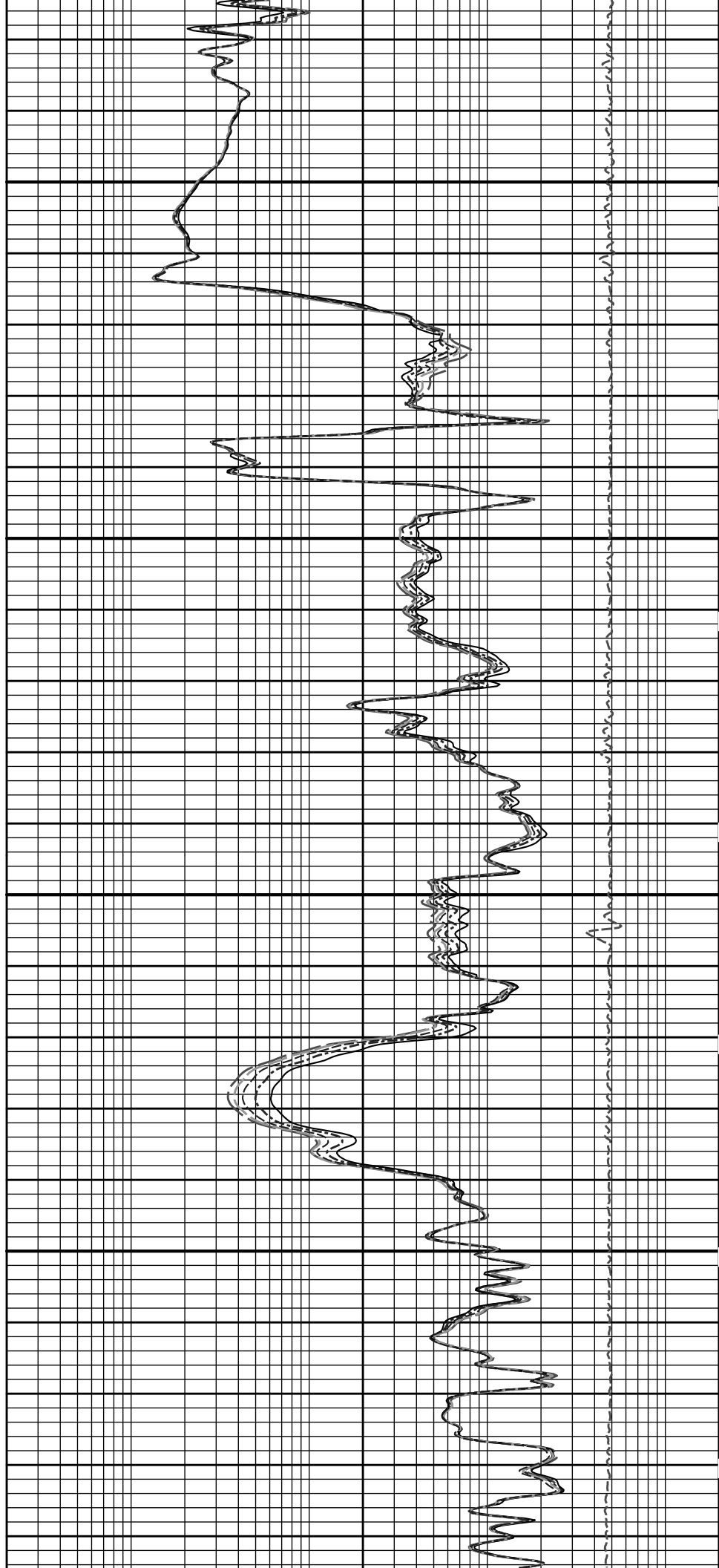
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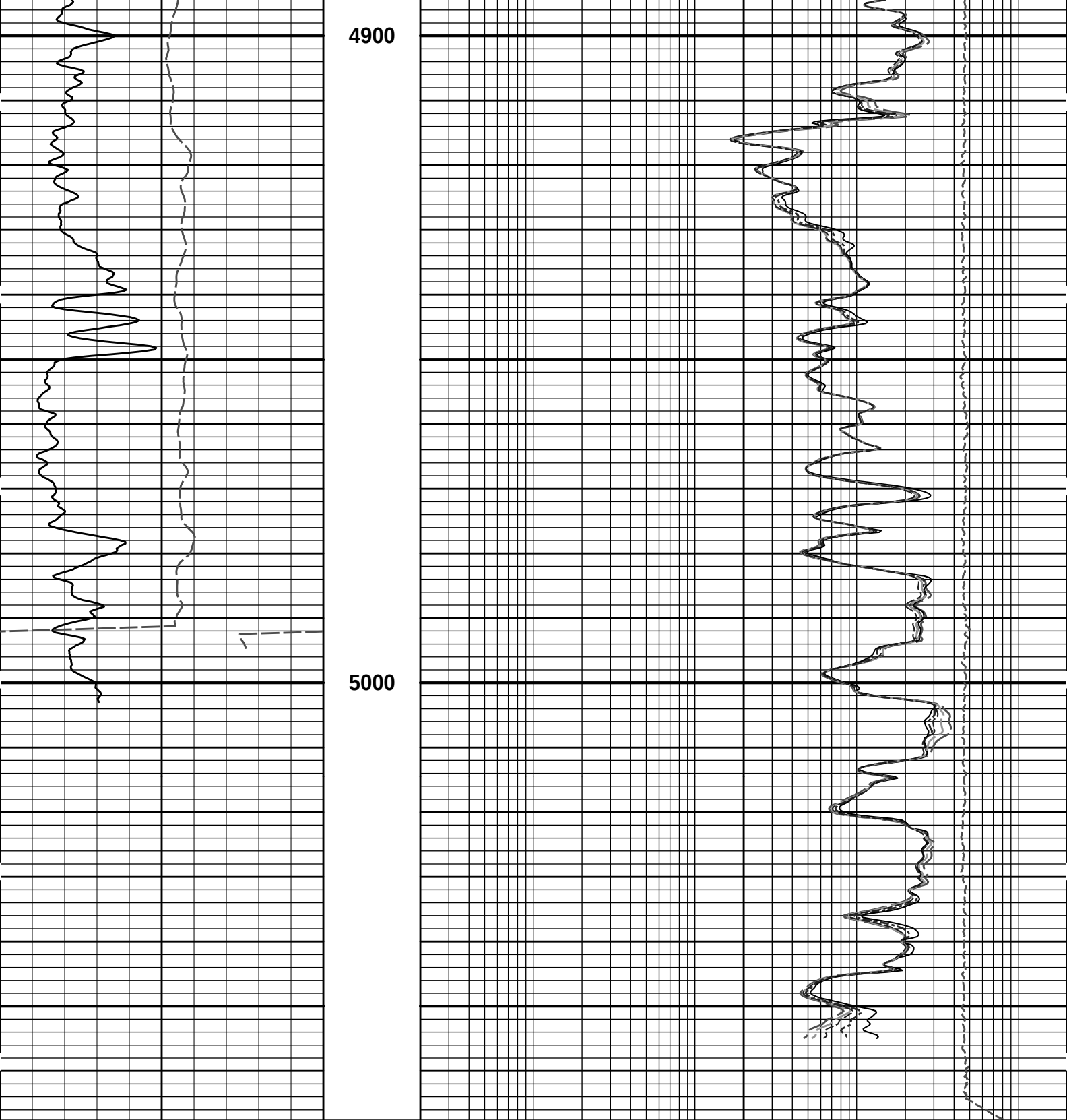




4700

4800





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

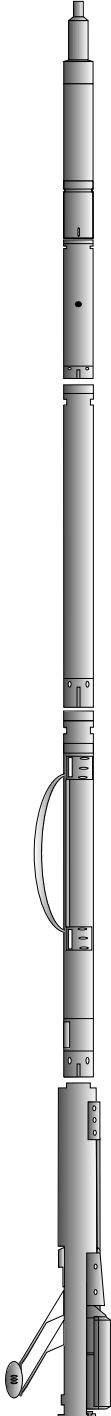
HALLIBURTON

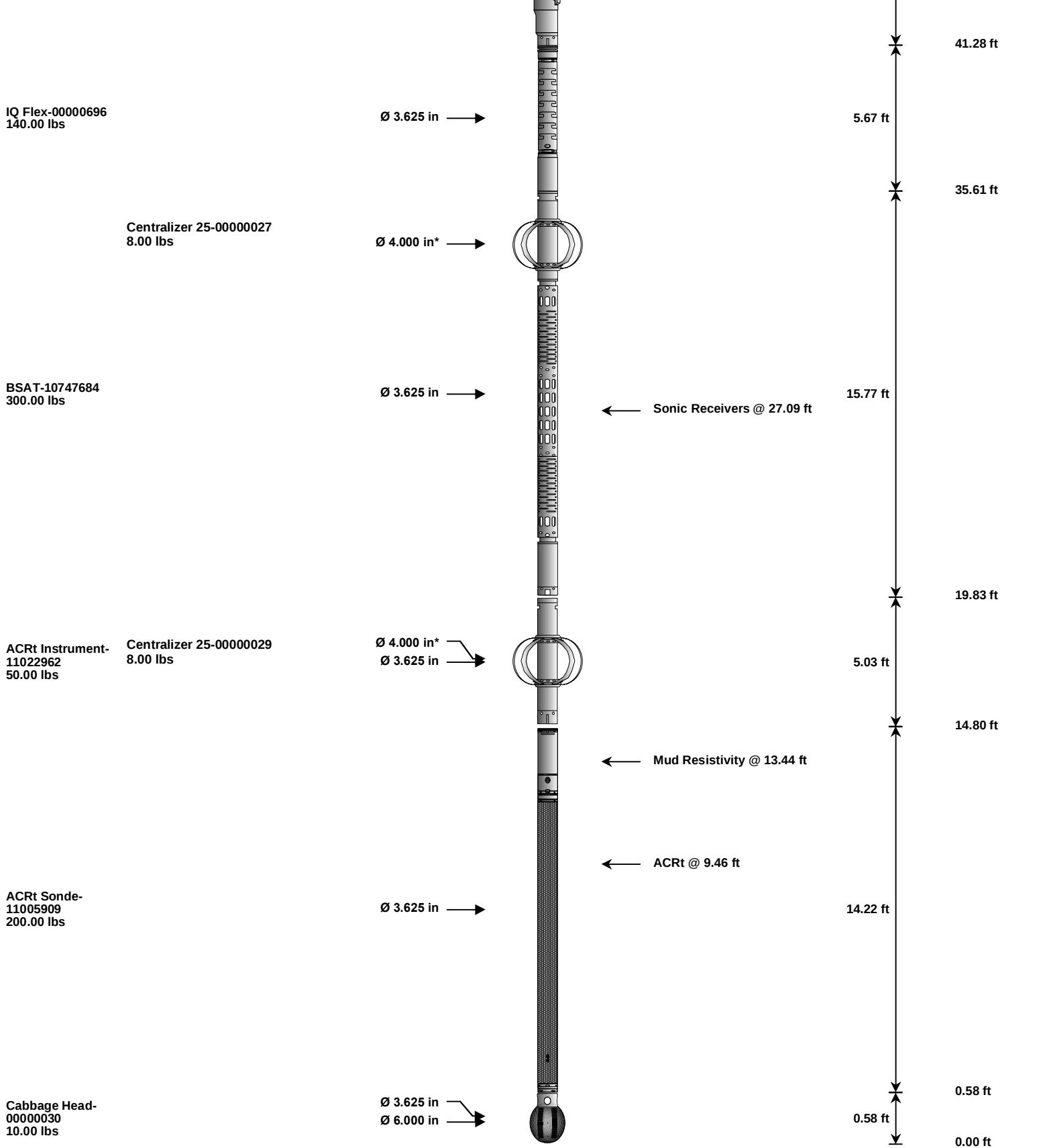
Plot Time: 23-Nov-13 07:37:56
Plot Range: 4450 ft to 5067.67 ft
Data: GARDEN_CITY_V-5\Well Based\IR1 REPEAT\
Plot File: \\-LOCAL-\\ACRT\ACRT_5_repeat_lib

REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
						80.28 ft
RWCH-12156658 135.00 lbs		Ø 3.625 in →		← Load Cell @ 76.60 ft ← BH Temperature @ 76.03 ft	6.25 ft	
						74.03 ft
SP Sub-00000029 60.00 lbs		Ø 3.625 in →		← SP @ 72.26 ft	3.74 ft	
						70.30 ft
GTET-11021139 165.00 lbs		Ø 3.625 in →		← GammaRay @ 64.23 ft	8.52 ft	
						61.78 ft
DSNT-11055304 174.00 lbs	DSN Decentralizer- 11005605 6.60 lbs	Ø 5.000 in* → Ø 3.625 in →		← DSN Far @ 54.84 ft ← DSN Near @ 54.09 ft	9.69 ft	
						52.09 ft
SDLT-11014296 360.00 lbs	SDLT Pad-10865884 65.00 lbs Microlog Pad-11014296 8.00 lbs	Ø 4.500 in → Ø 4.750 in* → Ø 4.750 in* →		Microlog @ 44.28 ft SDL Caliper @ 44.09 ft SDL @ 44.08 ft	10.81 ft	



Mnemonic		Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
RWCH	Releasable Wireline Cable Head		12156658	135.00	6.25	74.03	300.00
SP	SP Sub		00000029	60.00	3.74	70.30	300.00
GTET	Gamma Telemetry Tool		11021139	165.00	8.52	61.78	60.00
DSNT	Dual Spaced Neutron		11055304	174.00	9.69	52.09	60.00
DCNT	DSN Decentralizer		11005605	6.60	5.13	* 55.42	300.00
SDLT	Spectral Density Tool		11014296	360.00	10.81	41.28	60.00
MICP	Microlog Pad		11014296	8.00	1.00	* 43.78	60.00
SDLP	Density Insite Pad		10865884	65.00	2.55	* 43.49	60.00
IQF	IQ Flex tool		00000696	140.00	5.67	35.61	300.00
BSAT	Borehole Sonic Array Tool		10747684	300.00	15.77	19.83	60.00

DSNT	Borehole Sonic Array Tool	10747004	300.00	10.77	10.00	300.00
OBCEN	Centralizer - 25 in. Overbody	00000027	8.00	2.08	*	32.52 300.00
ACRt	Array Compensated True Resistivity Instrument Section	11022962	50.00	5.03		14.80 300.00
OBCEN	Centralizer - 25 in. Overbody	00000029	8.00	2.08	*	16.30 300.00
ACRt	Array Compensated True Resistivity Sonde Section	11005909	200.00	14.22		0.58 300.00
CBHD	Cabbage Head	00000030	10.00	0.58		0.00 300.00
Total			1,689.60	80.28		
* Not included in Total Length and Length Accumulation.						
Data: GARDEN_CITY_V-5I0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CHIDLE				Date: 22-Nov-13 21:49:49		

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	9.100	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	5089.00	ft
	SHARED	BHT	Bottom Hole Temperature	135.0	degF
	SHARED	SVTM	Navigation and Survey Master Tool	NONE	
	SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET	
	SHARED	TEMM	Temperature Master Tool	NONE	
	SHARED	BHSM	Borehole Size 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	
	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	
	DSNT	DNOK	Process DSN?	Yes	
	DSNT	DEOK	Process DSN EVR?	No	
	DSNT	NLIT	Neutron Lithology	Limestone	

DSNT	NER	Neutron Elasticity	Limestone	
DSNT	DSNO	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	
SDLT	CLOK	Process Caliper Outputs?	Yes	
Microlog Pad	MLOK	Process MicroLog 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
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	
ACRt Sonde	RTOK	Process ACRt?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Upr	
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
BOTTOM				
Data: GARDEN_CITY_V-5\0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CHI007.01 23-Nov-13 06:10 Up				Date: 23-Nov-13 06:31:28

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION			
Tool Name:	GTET - 11021139	Reference Calibration Date:	01-Jan-70 00:00:00
Engineer:	SHELDON INGERSOLL	Calibration Date:	16-Nov-13 17:40:06
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	47.8	47.8 api
	Background + Calibrator	317.5	317.5 api
	Calibrator	269.6	269.6 api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION				
Tool Name:	GTET - 11021139	Reference Calibration Date:	16-Nov-13 17:40:06	

Tool Name: GTE1 - 11021139		Reference Calibration Date: 16-Nov-13 17:40:06		
Engineer: SHELDON INGERSOLL	Calibration Date: 22-Nov-13 18:36:29			
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				
Field Verification		Shop	Field	Units
Background		47.8	51.8	api
Background + Calibrator		317.5	319.2	api
Calibrator		269.6	267.4	api
Shop		Field	Difference	Tolerance
269.6		267.4	2.2	+/- 9.00

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION									
Tool Name: ACRt Sonde - 11005909		Reference Calibration Date: 04-Sep-13 10:01:35							
Engineer: SHELDON INGERSOLL		Calibration Date: 18-Nov-13 11:00:42							
Software Version: WL INSITE R3.8.4 (Build 5)		Calibration Version: 1							
Host Tool Name: ACRt Instrument - 11022962									

TYPICAL GAIN RANGE									
Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.01	1.05	0.95	1.02	1.05	0.95	1.01	1.05
A2 (50")	0.95	1.01	1.05	0.95	1.02	1.05	0.95	1.02	1.05
A3 (29")	0.95	1.00	1.05	0.95	1.00	1.05	0.95	1.00	1.05
A4 (17")	0.95	1.00	1.05	0.95	1.00	1.05	0.95	1.00	1.05
A5 (10")	N/A	N/A	N/A	0.95	0.99	1.05	0.95	0.99	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.98	1.05	0.95	0.98	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	-0.49	2	-6	-3.53	-2	-8	-5.15	-2
A2 (50")	-7	-1.49	0	-7	-3.49	0	-7	-4.56	0
A3 (29")	-27	-14.45	-9	-9	-4.51	-3	-7	-2.82	-1
A4 (17")	-180	-100.45	-60	-45	-30.22	-15	-39	-25.84	-13
A5 (10")	N/A	N/A	N/A	-150	-98.67	-50	-80	-44.57	-10
A6 (6")	N/A	N/A	N/A	175	284.68	525	90	150.79	270

TRANSMITTER CURRENT GAIN				R-MUD VERIFICATION			
Signal	Lower	R	Upper	Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K	0.6	0.88	1.3	Mud Cell	0.95	1.00	1.05
36K	1.0	1.34	2.0				
72K	1.0	1.58	2.0				

PASS/FAIL SUMMARY	
GAIN RANGE CHK	PASS
SONDE OFFSET RANGE CHK	PASS
Tx CURRENT GAIN	PASS
Rmud VERIFICATION	PASS

TOOL OK TO LOG						
CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11021139						
Gamma Ray Calibrator	269.6	267.4	-----	2.2	+/- 9.00	api
ACRt Sonde-11005909						
Mud Cell	1.00	-----	-----	0.00	-----	ohm-m
Data: GARDEN_CITY_V-5I0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CH\007 23-Nov-13 04:17 Up @5063.3f					Date: 23-Nov-13 05:23:17	

HALLIBURTON					
INPUTS, DELAYS AND FILTERS TABLE					
Mnemonic		Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel					
TENS	Tension		0.00	NO	
RWCH					
DHTN	DownholeTension		0.00	BLK	0.000
SP Sub					
PLTC	Plot Control Mask		72.25	NO	
SP	Spontaneous Potential		72.25	BLK	1.250
SPR	Raw Spontaneous Potential		72.25	NO	
SPO	Spontaneous Potential Offset		72.25	NO	
GTET					
TPUL	Tension Pull		64.23	NO	
GR	Natural Gamma Ray API		64.23	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API		64.23	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution		64.23	W	1.416 , 0.750
ACCZ	Accelerometer Z		0.00	BLK	0.083
DEVI	Inclination		0.00	NO	
DSNT					
TPUL	Tension Pull		53.99	NO	
RNDS	Near Detector Telemetry Counts		54.09	BLK	1.417
RFDS	Far Detector Telemetry Counts		54.84	TRI	0.583
DNTT	DSN Tool Temperature		54.09	NO	
DSNS	DSN Tool Status		53.99	NO	
ERND	Near Detector Telemetry Counts EVR		54.09	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR		54.84	BLK	0.000
ENTM	DSN Tool Temperature EVR		54.09	NO	
SDLT					
TPUL	Tension Pull		44.09	NO	
PCAL	Pad Caliper		44.09	TRI	0.250
ACAL	Arm Caliper		44.09	TRI	0.250
BSAT					
TPUL	Tension Pull		27.09	NO	
STAT	Status		27.09	NO	
BLVT	Bottom Tool		27.09	NO	

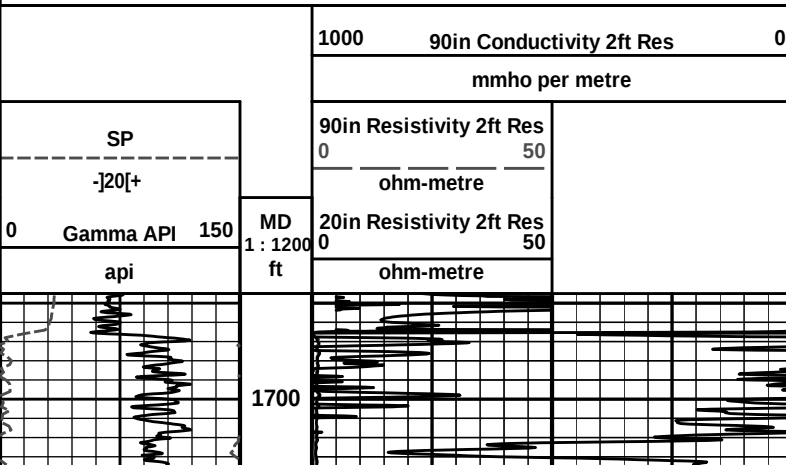
DLYT	Delay Time	27.09	NO	
SI	Sample Interval	27.09	NO	
TXRX	Raw Telemetry 10 Receivers	27.09	NO	
FRMC	Tool Frame Count	27.09	NO	
GMOD	Gain processing mode	19.83	NO	
ACRt Sonde				
TPUL	Tension Pull	2.97	NO	
F1R1	ACRT 12KHz - 80in R value	9.22	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	9.22	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.72	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.72	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	5.22	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	5.22	BLK	0.000
F1R4	ACRT 12KHz - 17in R value	4.22	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	4.22	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.72	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.72	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.47	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.47	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	9.22	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	9.22	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.72	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.72	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	5.22	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	5.22	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	4.22	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	4.22	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.72	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.72	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.47	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.47	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	9.22	BLK	0.000
F3X1	ACRT 72KHz - 80in X value	9.22	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.72	BLK	0.000
F3X2	ACRT 72KHz - 50in X value	6.72	BLK	0.000
F3R3	ACRT 72KHz - 29in R value	5.22	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	5.22	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	4.22	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	4.22	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.72	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.72	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.47	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.47	BLK	0.000
RMUD	Mud Resistivity	12.76	BLK	0.000
F1RT	Transmitter Current Raw 12K X Receiver	2.97	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.97	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.97	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.97	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.97	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.97	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.97	BLK	0.000
TFPL	Lower Feedpipe Temperature Calculated	2.97	BLK	0.000
ITMP	Instrument Temperature	2.97	BLK	0.000
TCVA	Temperature Correction Values Loop Off	2.97	NO	
TIDV	Instrument Temperature Derivative	2.97	NO	

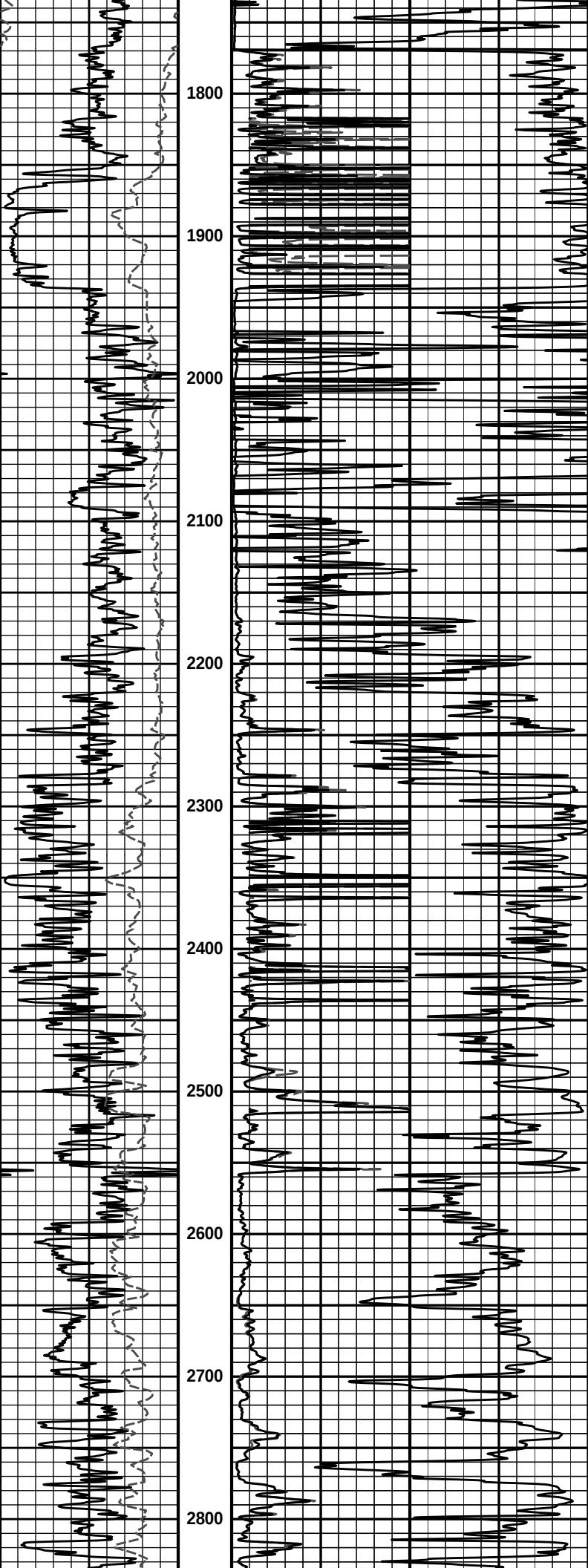
TDV	Instrument Temperature Derivative	2.97	NO	
TUDV	Upper Temperature Derivative	2.97	NO	
TLDV	Lower Temperature Derivative	2.97	NO	
TRBD	Receiver Board Temperature	2.97	NO	
Microlog Pad				
TPUL	Tension Pull	44.28	NO	
MINV	Microlog Lateral	44.28	BLK	0.750
MNOR	Microlog Normal	44.28	BLK	0.750
SDLT Pad				
TPUL	Tension Pull	44.08	NO	
NAB	Near Above	43.90	BLK	0.920
NHI	Near Cesium High	43.90	BLK	0.920
NLO	Near Cesium Low	43.90	BLK	0.920
NVA	Near Valley	43.90	BLK	0.920
NBA	Near Barite	43.90	BLK	0.920
NDE	Near Density	43.90	BLK	0.920
NPK	Near Peak	43.90	BLK	0.920
NLI	Near Lithology	43.90	BLK	0.920
NBAU	Near Barite Unfiltered	43.90	BLK	0.250
NLIU	Near Lithology Unfiltered	43.90	BLK	0.250
FAB	Far Above	44.26	BLK	0.250
FHI	Far Cesium High	44.26	BLK	0.250
FLO	Far Cesium Low	44.26	BLK	0.250
FVA	Far Valley	44.26	BLK	0.250
FBA	Far Barite	44.26	BLK	0.250
FDE	Far Density	44.26	BLK	0.250
FPK	Far Peak	44.26	BLK	0.250
FLI	Far Lithology	44.26	BLK	0.250
PTMP	Pad Temperature	44.09	BLK	0.920
NHV	Near Detector High Voltage	43.49	NO	
FHV	Far Detector High Voltage	43.49	NO	
ITMP	Instrument Temperature	43.49	NO	
DDHV	Detector High Voltage	43.49	NO	
Data: GARDEN_CITY_V-5I0001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CHI007 23-Nov-13 04:17 Up @5063.3f				Date: 23-Nov-13 05:20:13

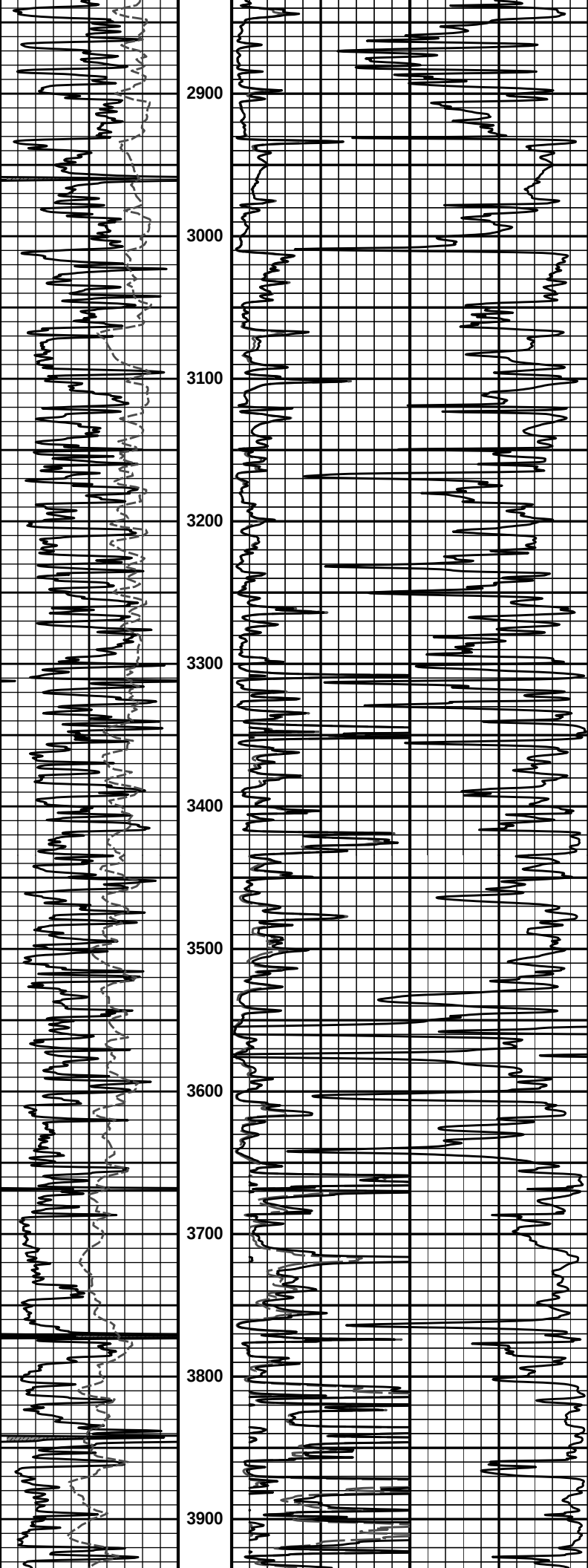
HALLIBURTON

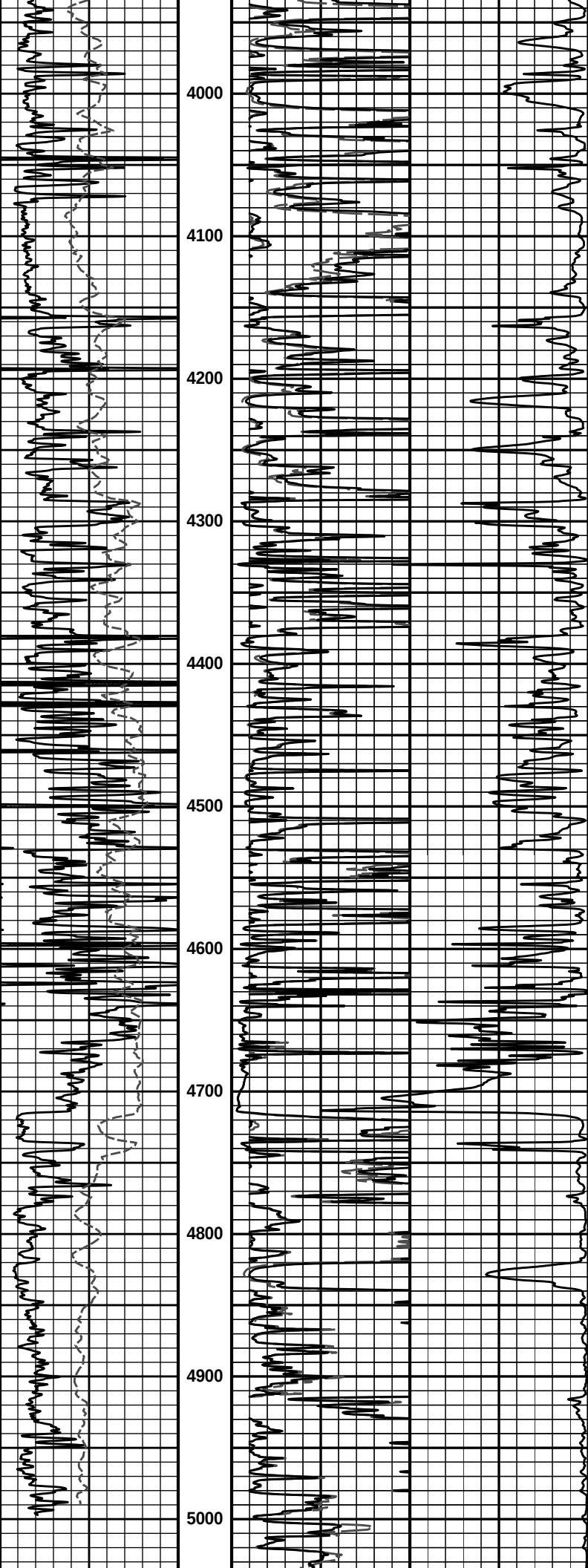
Plot Time: 23-Nov-13 07:37:57
Plot Range: 1645 ft to 5049 ft
Data: GARDEN_CITY_V-5\Well Based\R1 CASING\
Plot File: \\LOCAL-1\ACRT\ACRT_1_lib

1 INCH MAIN LOG









0	Gamma API	150	MD	20in Resistivity 2ft Res	
			1 : 1200	0	50
	api		ft	ohm-metre	
	SP			90in Resistivity 2ft Res	
				0	50
	-]20[+			ohm-metre	
				1000	90in Conductivity 2ft Res
					0
					mmho per metre
HALLIBURTON Plot Time: 23-Nov-13 07:37:59 Plot Range: 1645 ft to 5049 ft Data: GARDEN_CITY_V-5\Well Based\R1 CASING\ Plot File: \\-LOCAL-\\ACRT\\ACRT_1_lib					
1 INCH MAIN LOG					

COMPANY	OXY USA INC.				
WELL	GARDEN CITY V-5				
FIELD	SEQUOYAH SOUTH				
COUNTY	FINNEY	STATE	KANSAS		
HALLIBURTON			ARRAY COMPENSATED TRUE RESISTIVITY LOG		