

HALLIBURTON

ARRAY COMPENSATED TRUE RESISTIVITY LOG

HALLIBURTON										ARRAY COMPENSATED TRUE RESISTIVITY LOG					
COMPANY					OXY USA, INC.										
WELL					STANFORD C-2										
FIELD					WILBURTON EAST										
COUNTY					MORTON										
STATE					KANSAS										
Permanent Datum					GL					Elev.: K.B.	3424.0 ft				
Log measured from					KB					D.F.	2423.0 ft				
Drilling measured from					KB					G.L.	2410.0 ft				
Date					01-May-12										
Run No.					ONE										
Depth - Driller					6428.00 ft										
Depth - Logger					6402.0 ft										
Bottom - Logged Interval					6400 ft										
Top - Logged Interval					1677 ft										
Casing - Driller					8.625 in @ 1677.0 ft					@					
Casing - Logger					1677.0 ft										
Bit Size					7.875 in					@					
Type Fluid in Hole					WATER										
Density					9.2 ppg	50.00 s/qt									
PH					10.00 pH	8.0 cpm									
Source of Sample					FLOWLINE										
Rm @ Meas. Temperature					2.200 ohmm @ 110.00 degF					@					
Rmf @ Meas. Temperature					1.80 ohmm @ 100.00 degF					@					
Rmc @ Meas. Temperature					2.500 ohmm @ 100.00 degF					@					
Source Rmf					Rmc	MEAS	MEAS								
Rm @ BHT					1.75 ohmm @ 140.0 degF					@					
Time Since Circulation					8.3 hr										
Time on Bottom					01-May-12 14:59										
Max. Rec. Temperature					140.0 degF @ 6402.0 ft					@					
Equipment					336	LIBERAL									
Recorded By					C. MARLOWE										
Witnessed By					K. THREADGILL										

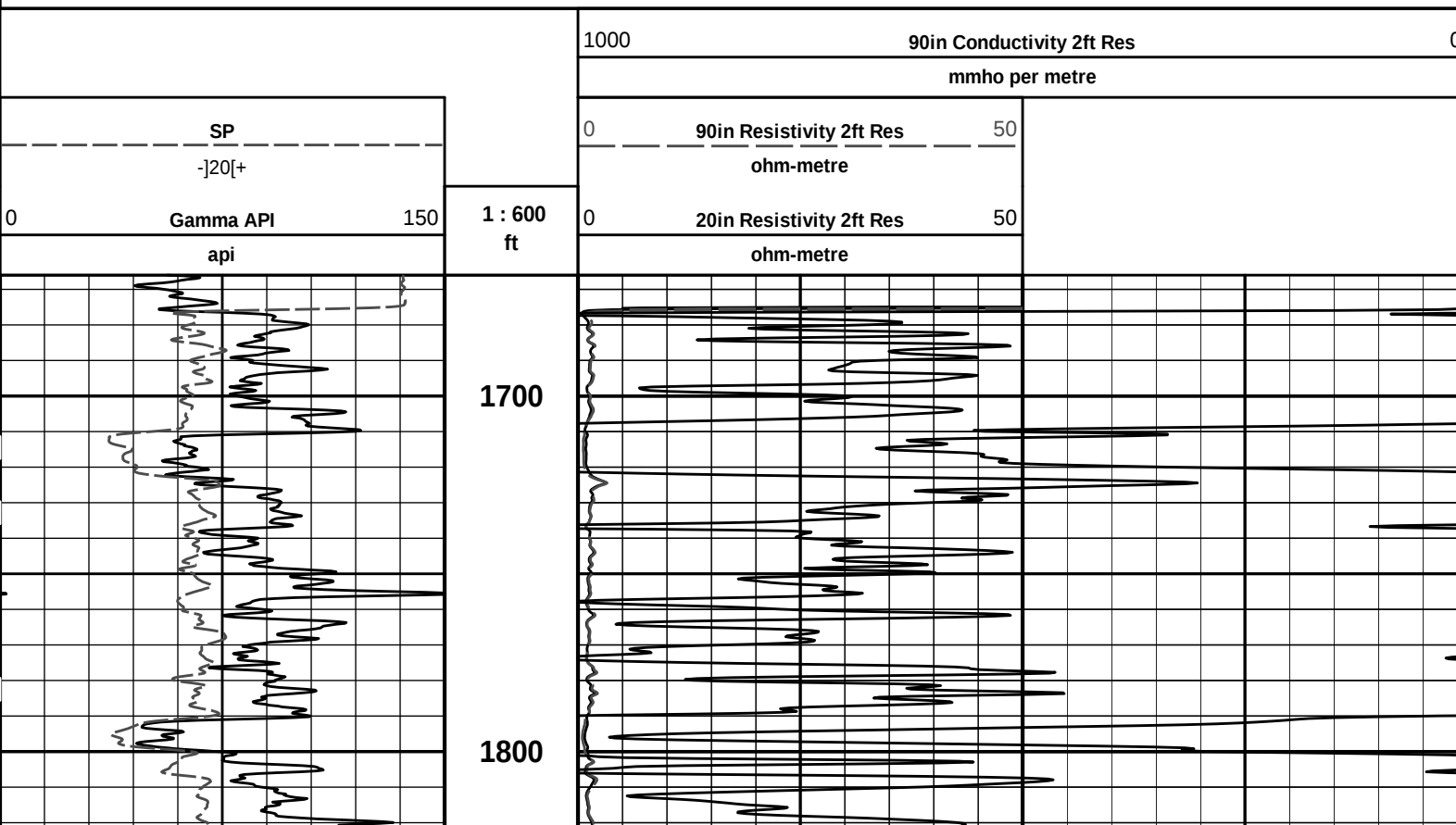
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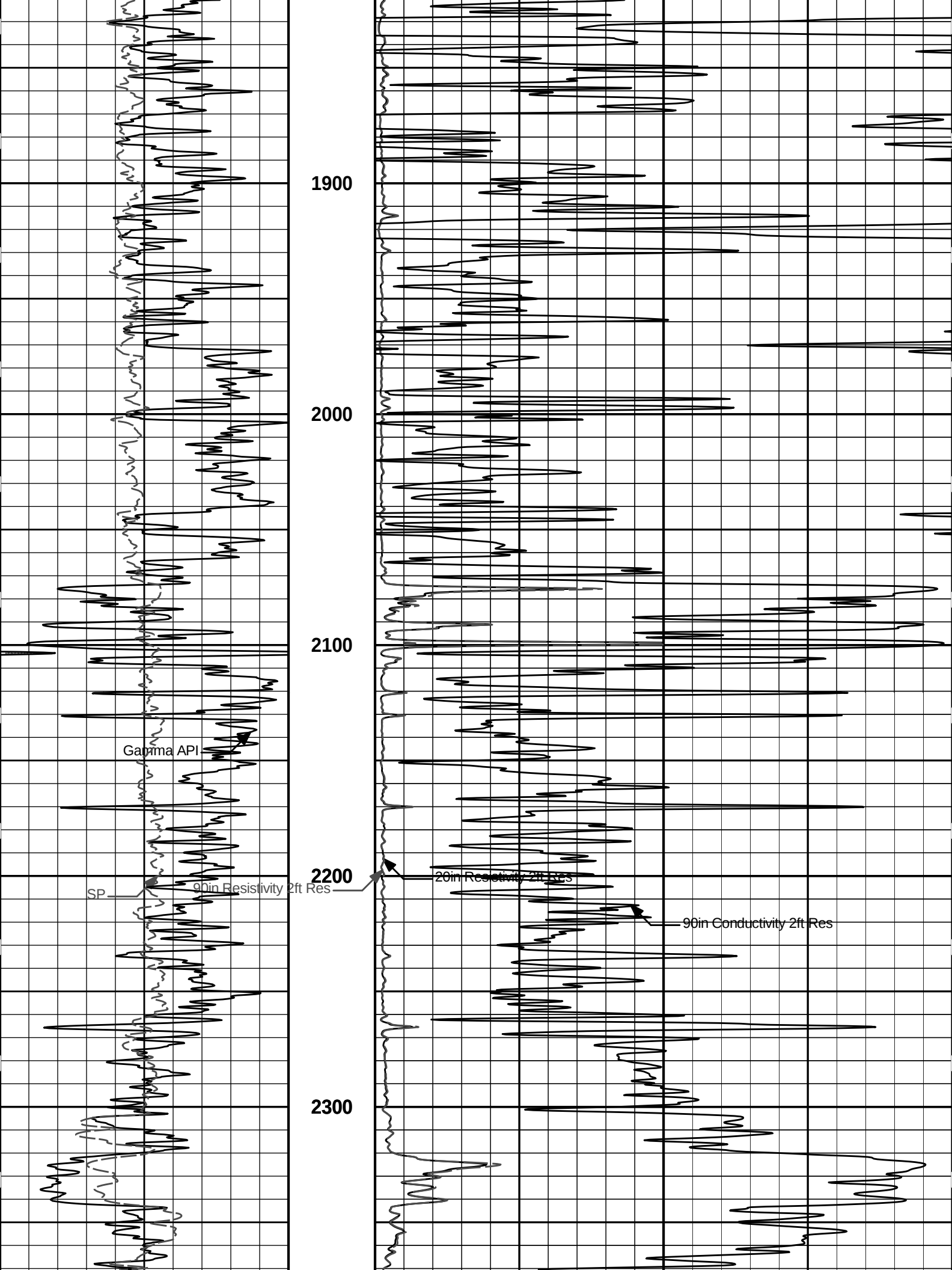
Service Ticket No.: 9465969					API Serial No.: 15-129-21939					PGM Version: WL INSITE R3.4.2 (Build 2)				
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE							RESISTIVITY SCALE CHANGES							
Date	Sample No.					Type Log	Depth	Scale Up Hole		Scale Down Hole				
Depth-Driller														
Type Fluid in Hole														
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	NA	1.5" S.O.		NA			
Rmc @ Meas. Temp.		@			@		90148388-E095							
Source Rmf	Rmc													
Rm @ BHT		@			@									
Rmf @ BHT		@			@									
Rmc @ BHT		@			@									
EQUIPMENT DATA														
GAMMA			ACOUSTIC				DENSITY				NEUTRON			
Run No.	ONE		Run No.			Run No.			Run No.					
Serial No.	11021138		Serial No.			Serial No.			Serial No.					
Model No.	GTET		Model No.			Model No.			Model No.					
Diameter	3.625"		No. of Cent.			Diameter			Diameter					
Detector Model No.	T-102		Spacing			Log Type			Log Type					
Type	SCINT					Source Type			Source Type					
Length	8"		LSA [Y/N]			Serial No.			Serial No.					
Distance to Source	10'		FWDA [Y/N]			Strength			Strength					

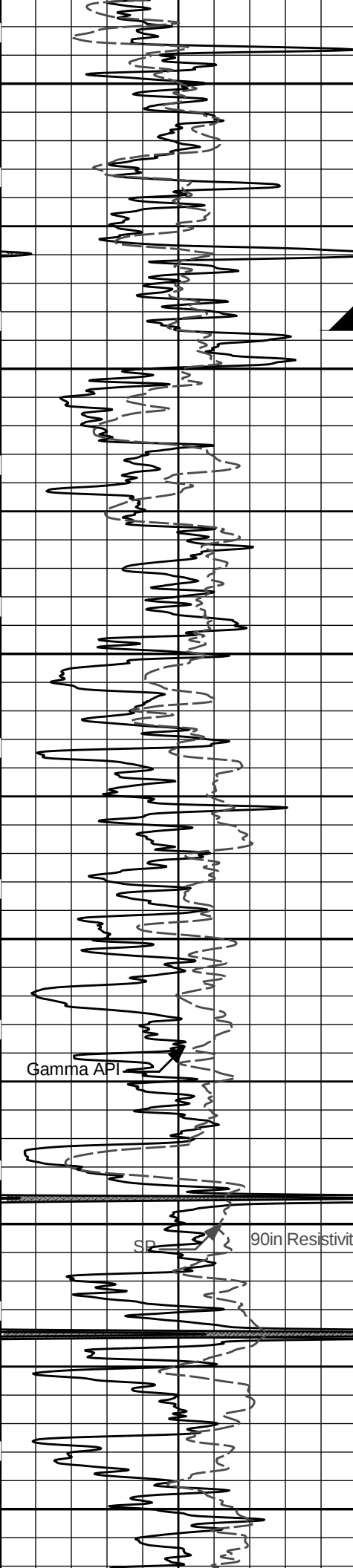
GENERAL				GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R	
ONE	TD	CSG	REC	0	150						
DIRECTIONAL INFORMATION											
Maximum Deviation @								KOP @			
Remarks: GTET/DSNT/SDLT/BSAT/ACRT RUN IN COMBINATION											
ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING											
CHLORIDES REPORTED AT 300 MG/L											
POST JOB TOOL VERIFICATIONS NOT PERFORMED AT CUSTOMER REQUEST											
TODAY'S CREW: F. VILLA, M. DUNAWAY											
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES: LIBERAL, KS 620-624-8123											
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: 01-May-12 17:00:18 Plot Range: 1666 ft to 6405.67 ft Data: STANFORD_C_2\Well Based\CASING\ Plot File: \\LOCAL-1\STANFORD_C_2\0001 GTET-BSAT-FLEX-DSNT-SDLT-ACRT-CBGHD\ACRT\ACRT_2.lib
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2 INCH MAIN LOG







2400

CSG

2500

2600

2700

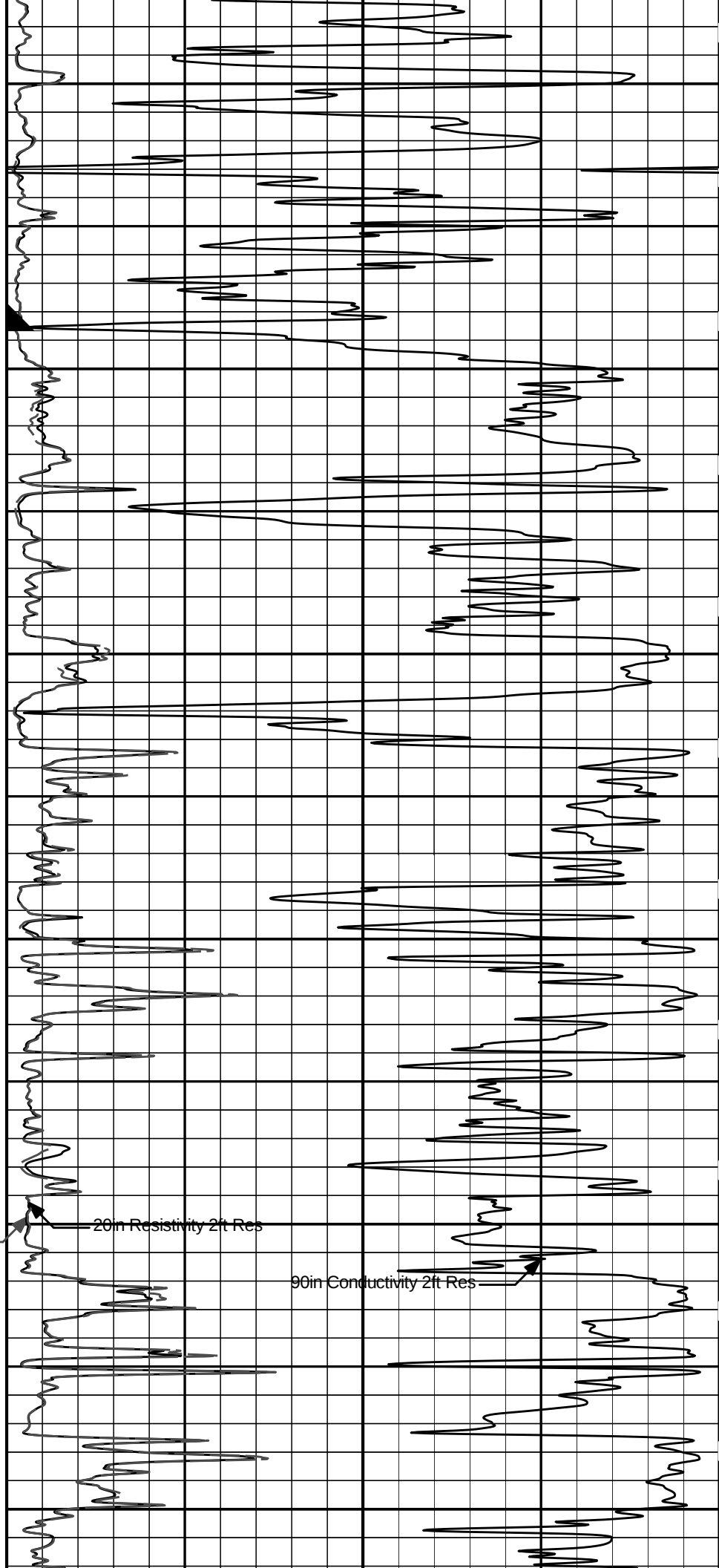
2800

2900

Gamma API

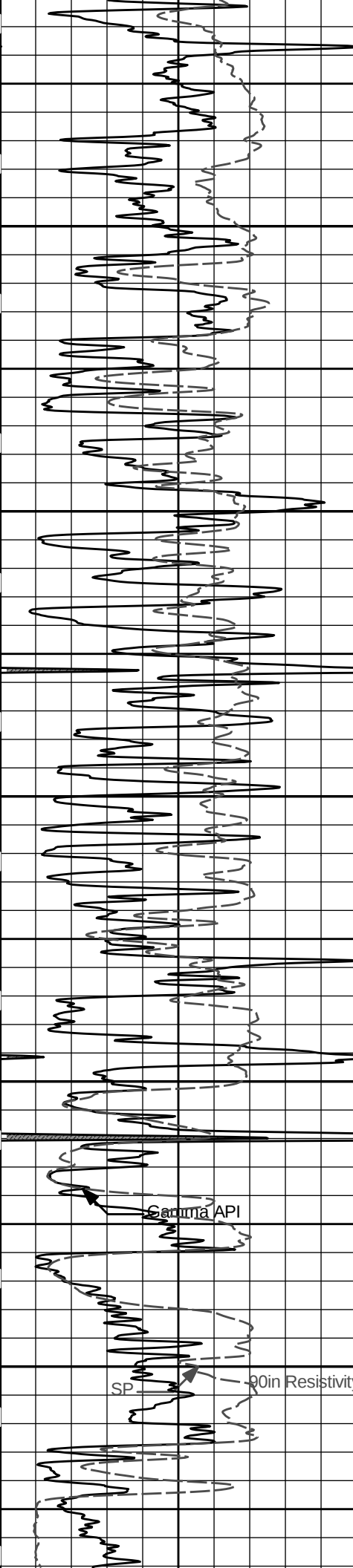
SP

90in Resistivity 2ft Res



20in Resistivity 2ft Res

90in Conductivity 2ft Res



3000

3100

3200

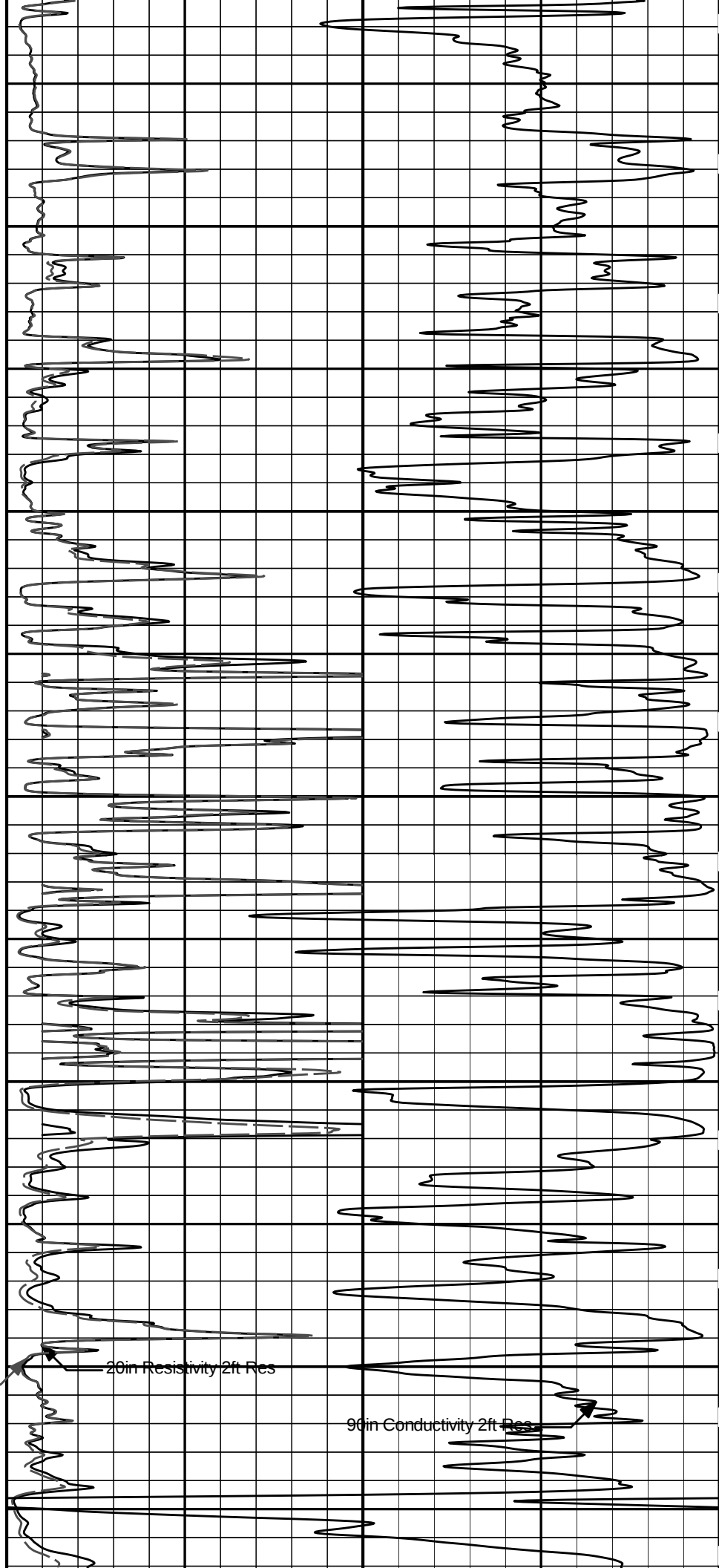
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3400

Gamma API

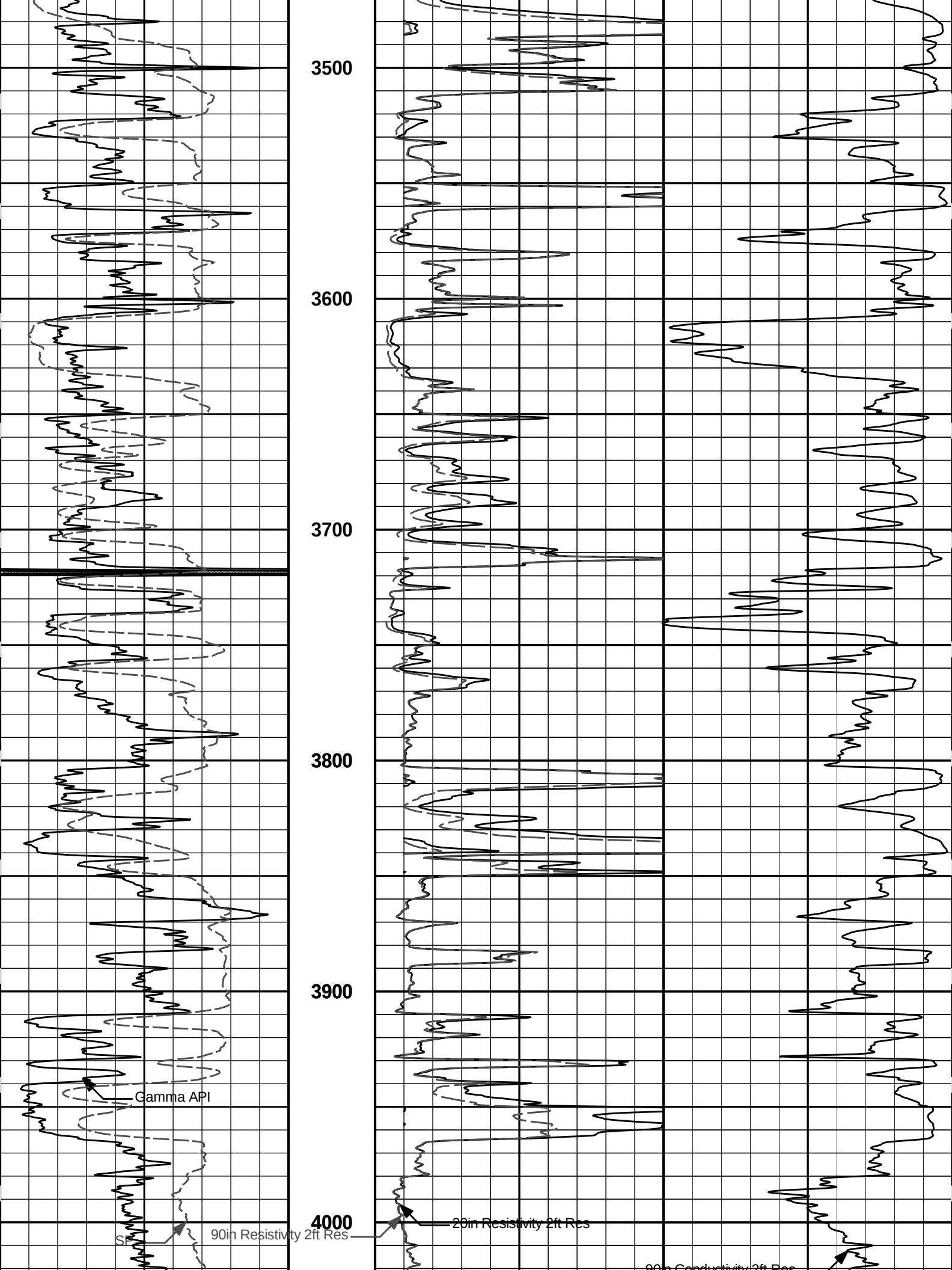
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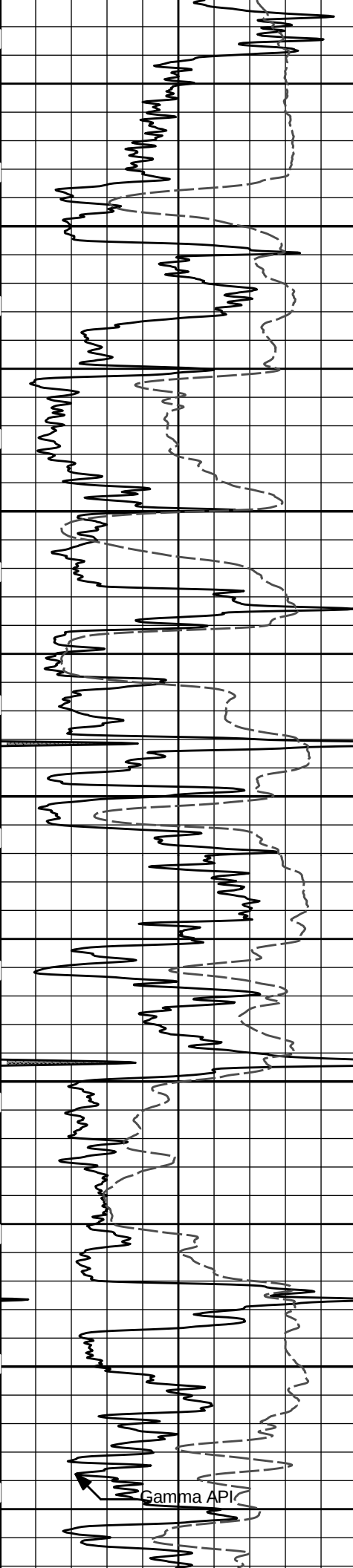
90in Resistivity 2ft Res



20in Resistivity 2ft Res

90in Conductivity 2ft Res





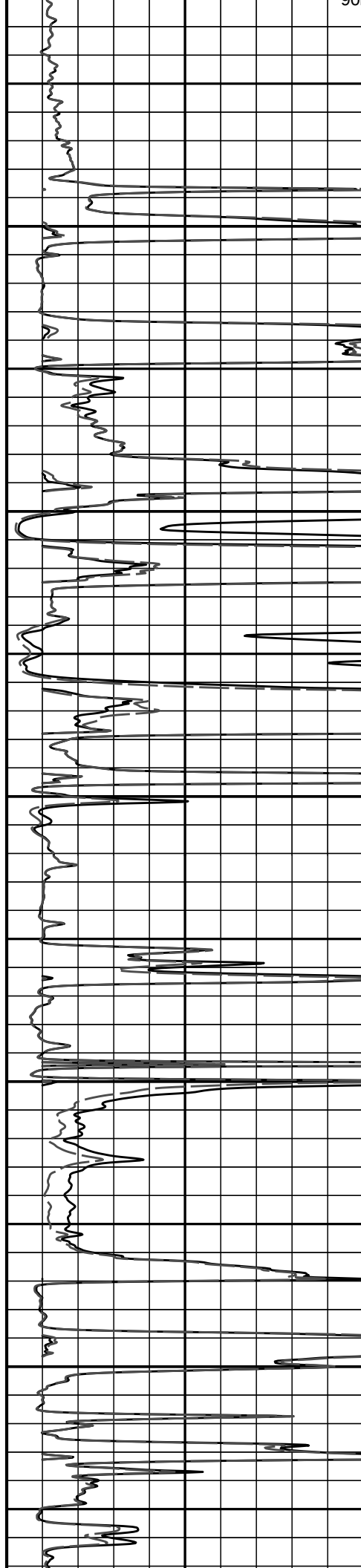
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4200

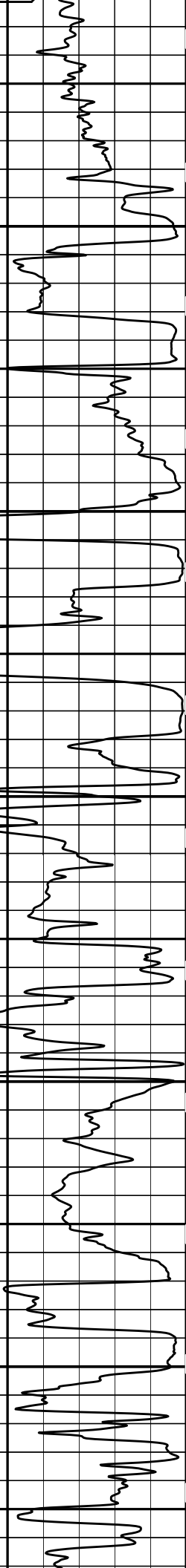
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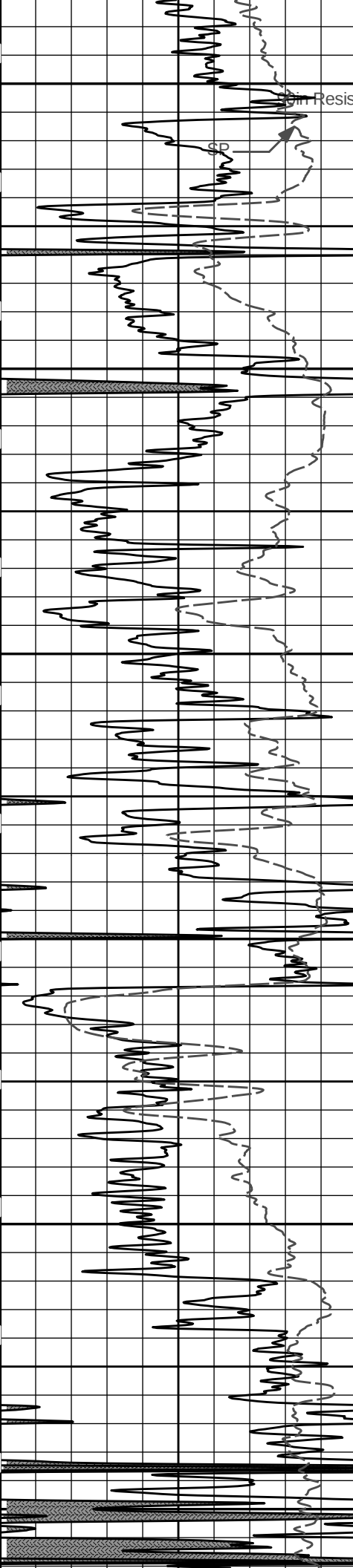
4400

4500



50 Hz Conductivity





4600

4700

4800

4900

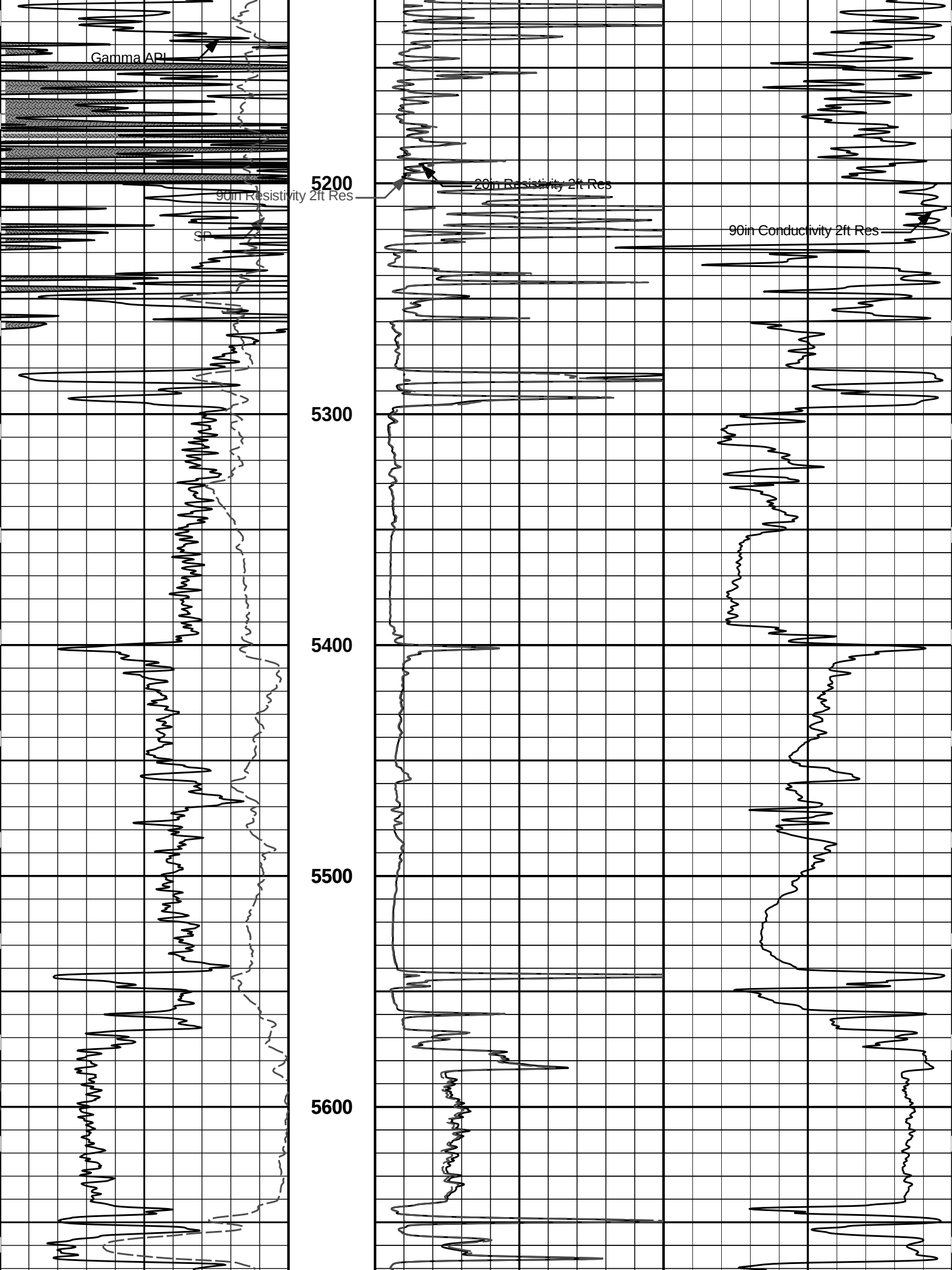
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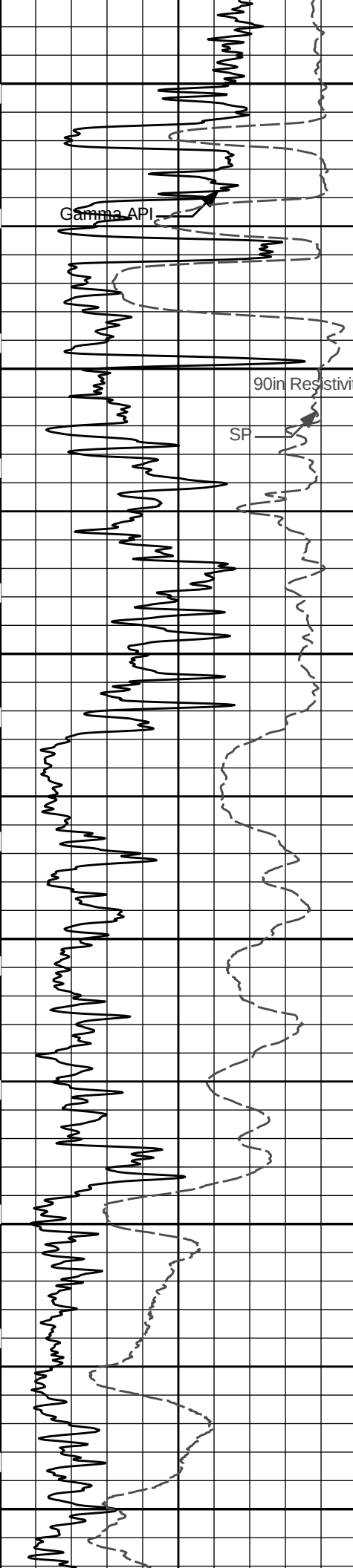
5100

20in Resistivity 2ft Res

20in Resistivity 2ft Res

90in Conductivity 2ft Res





5700

Gamma API

5800

90in Resistivity 2ft Res

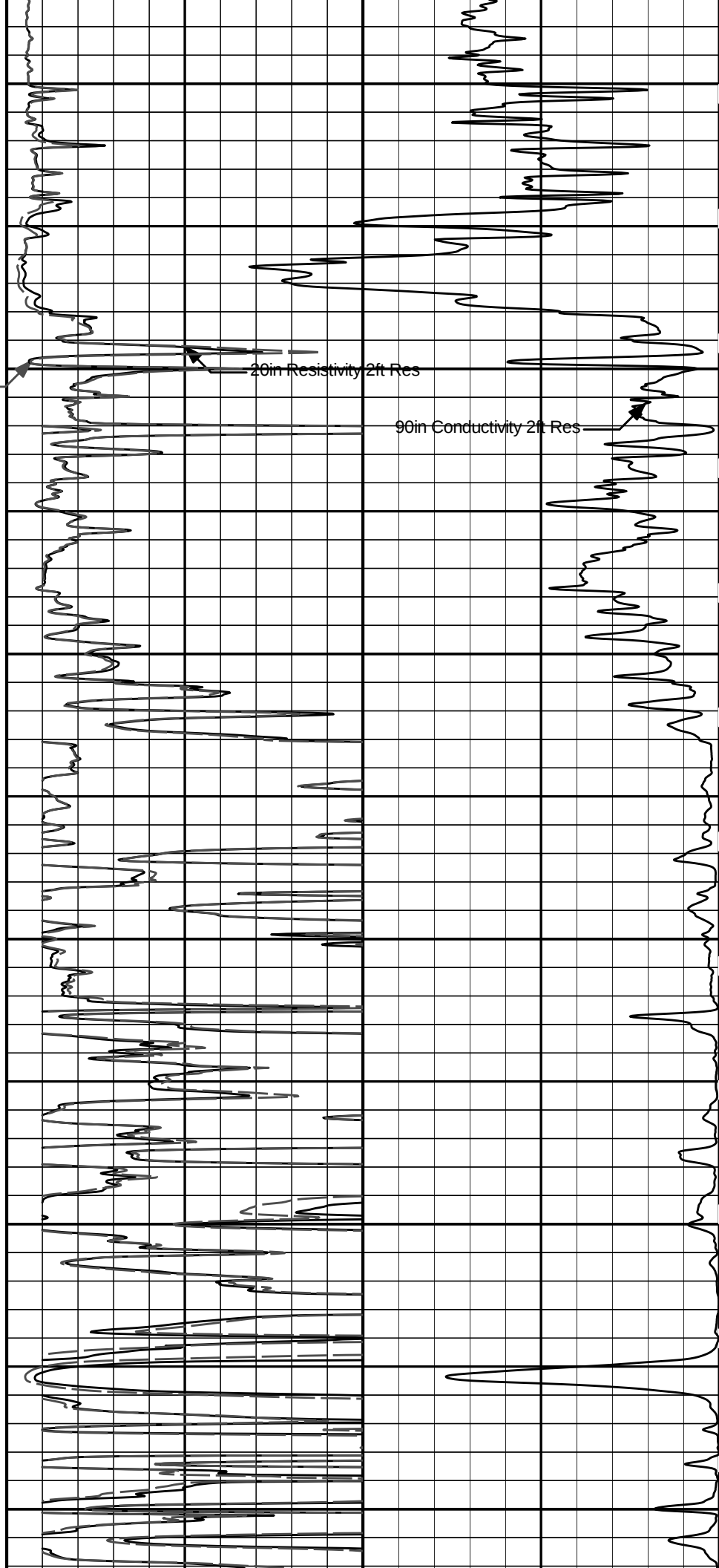
SP

5900

6000

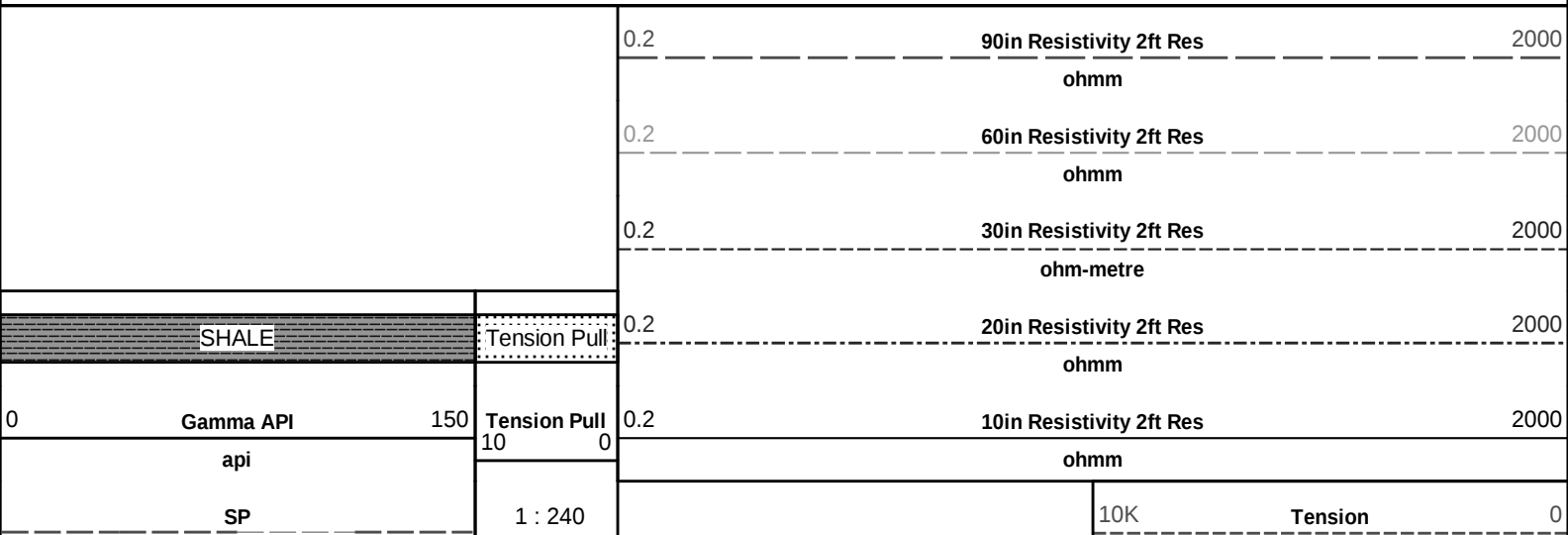
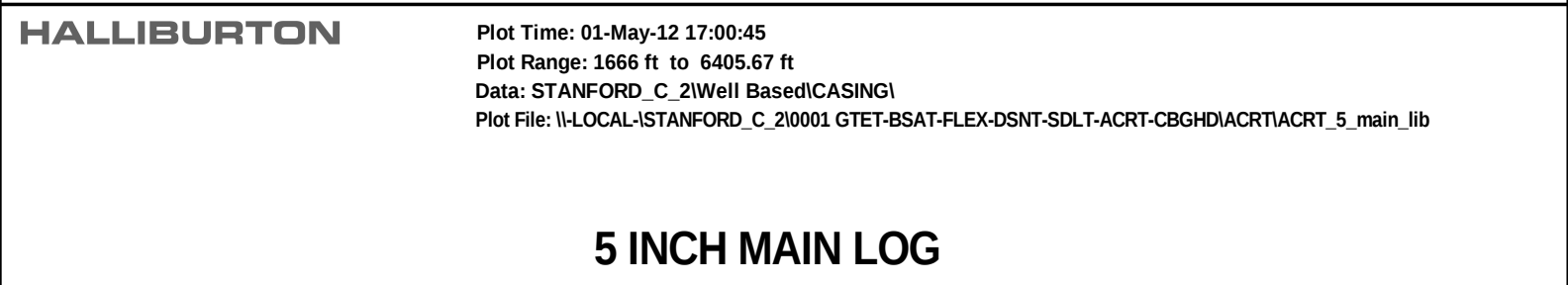
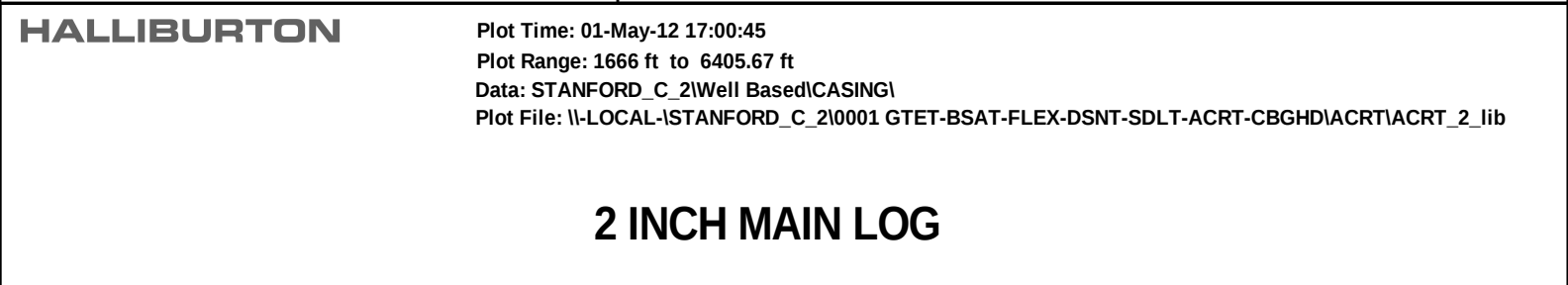
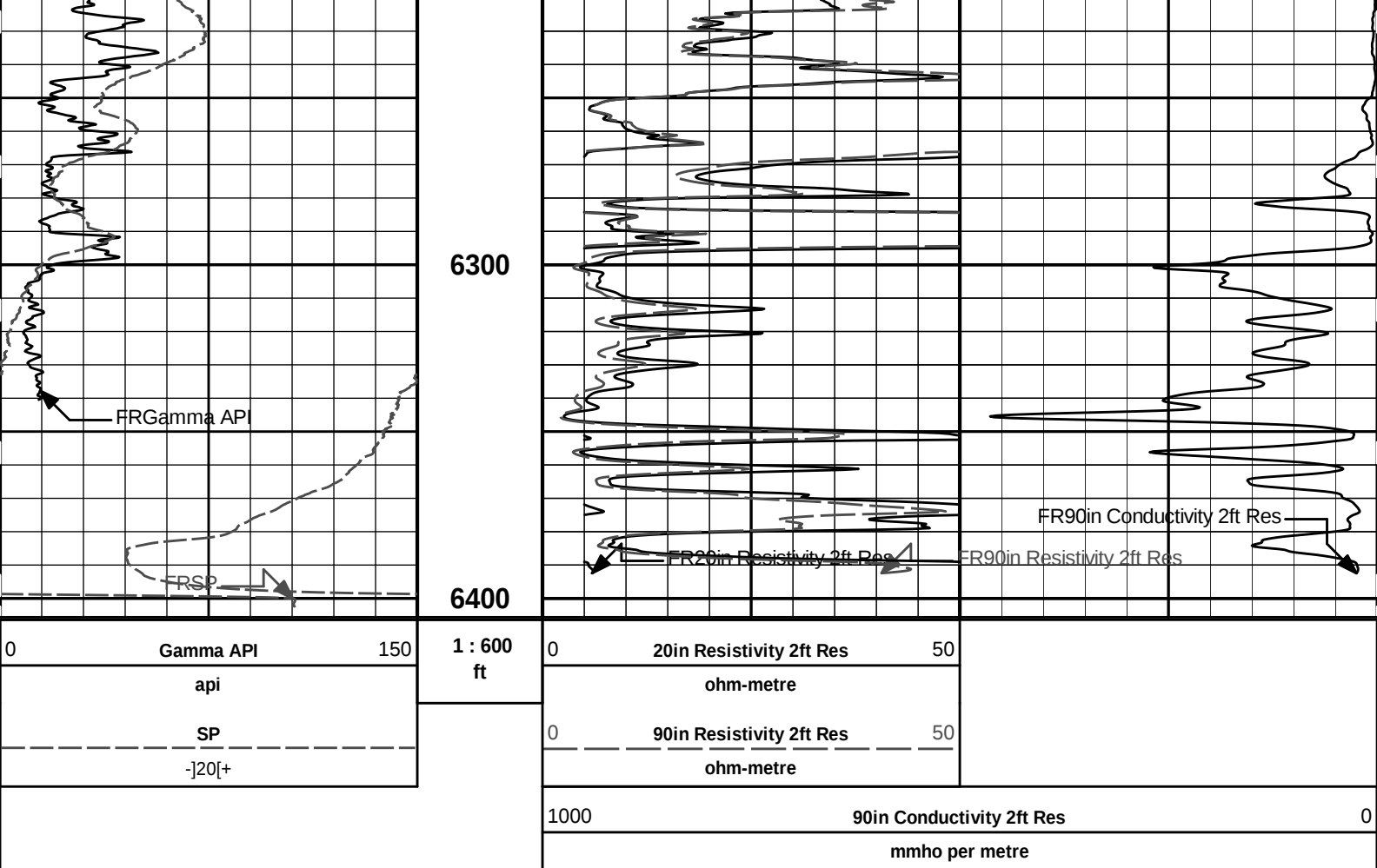
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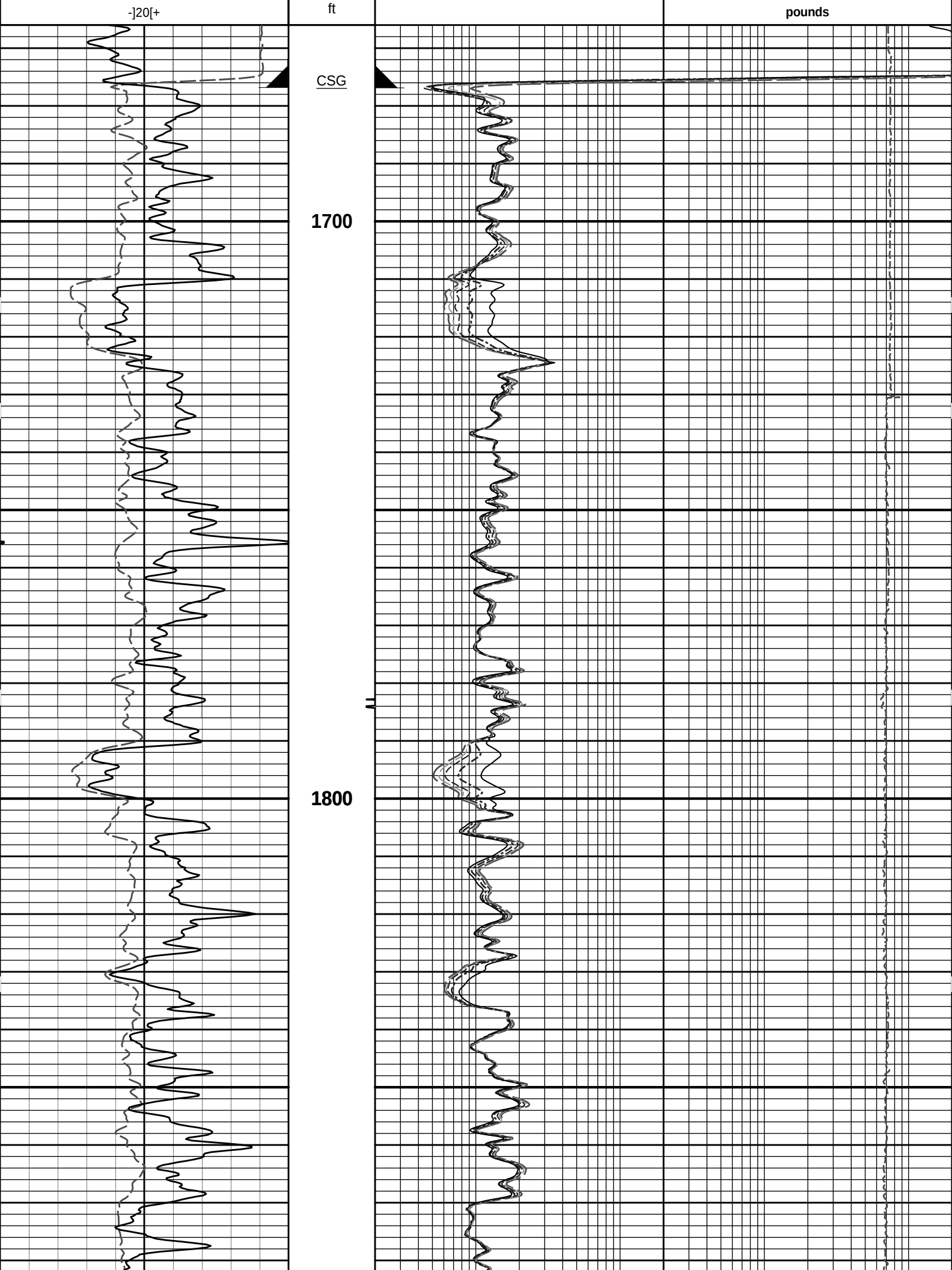
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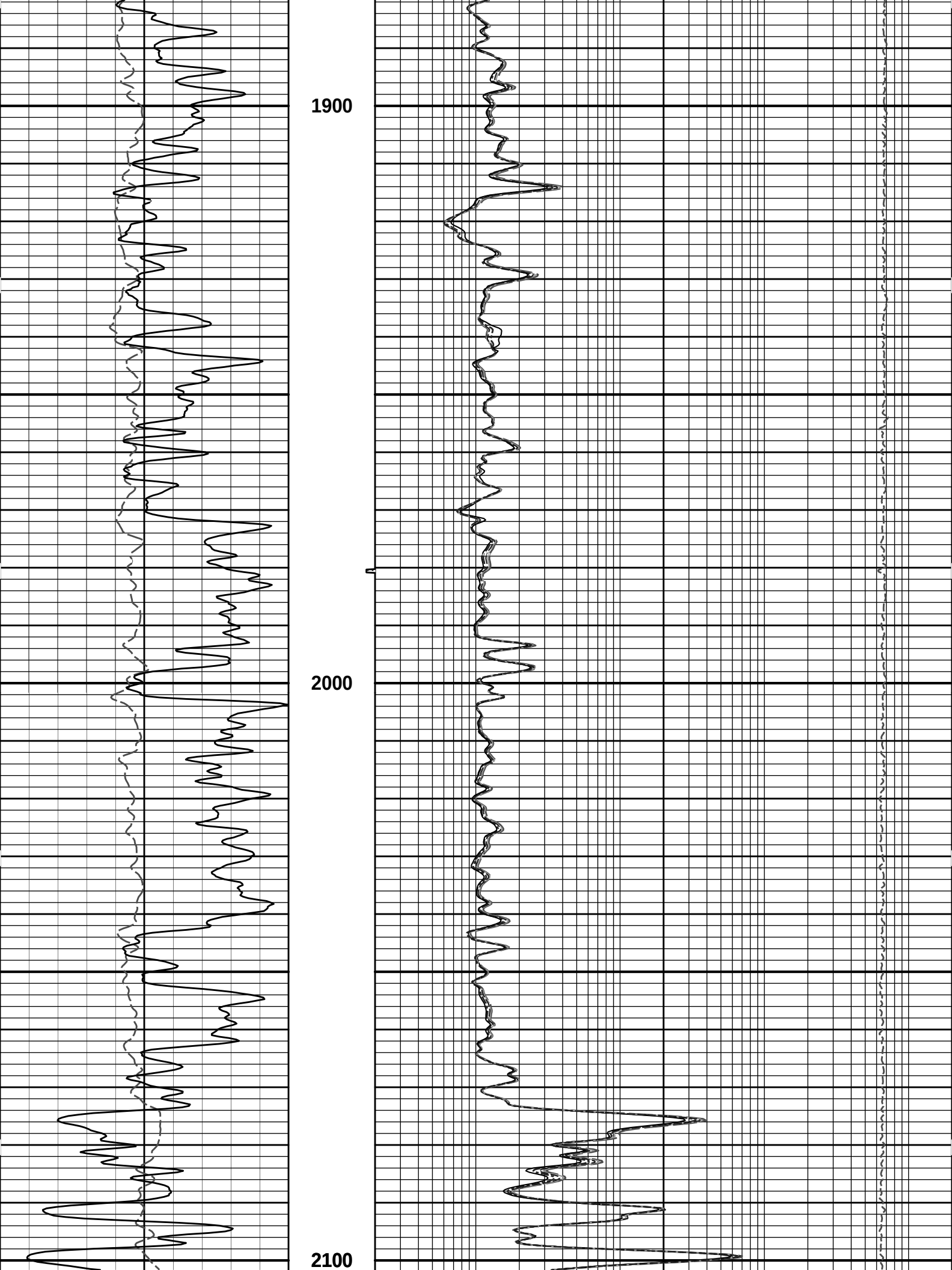


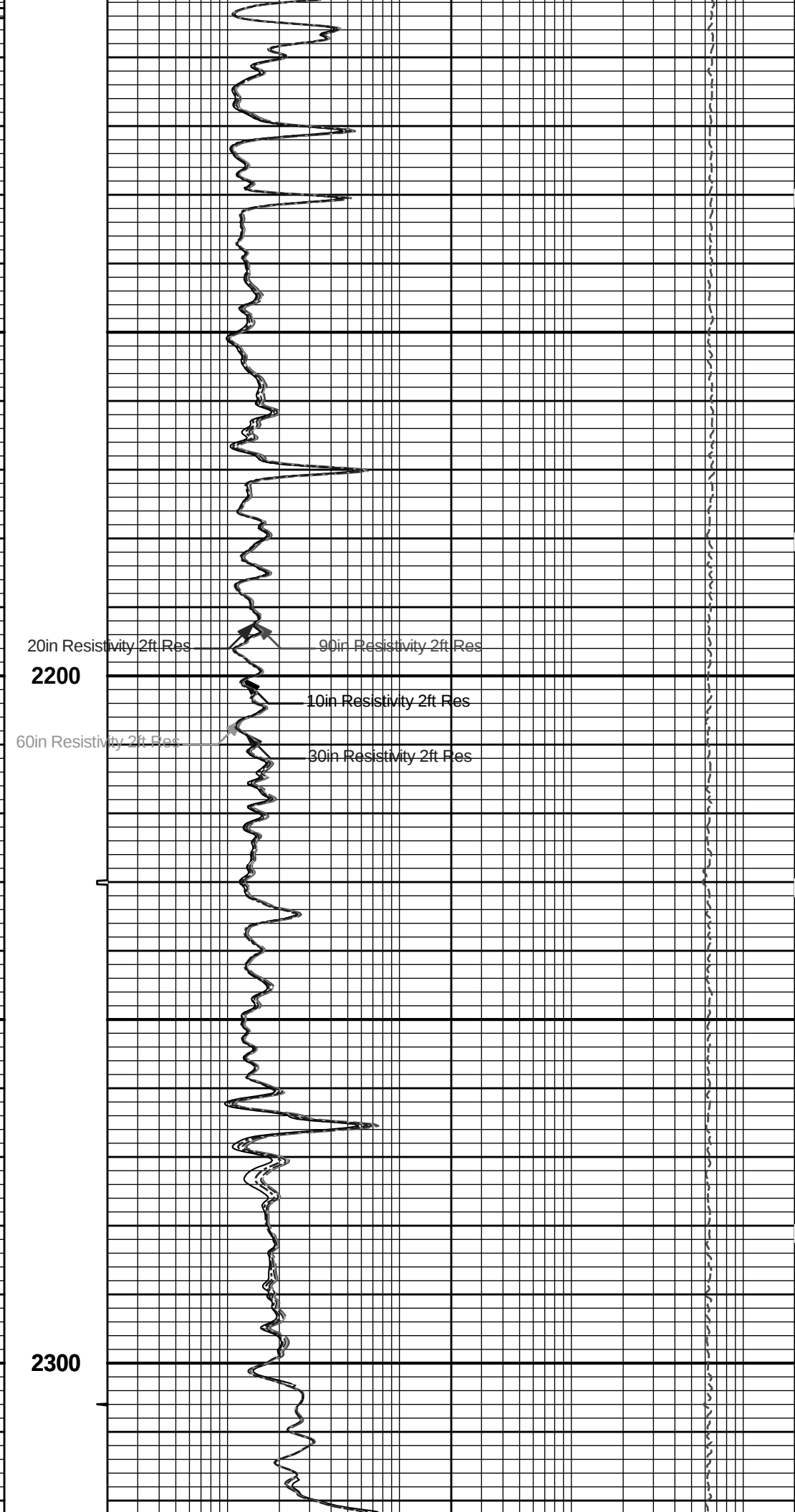
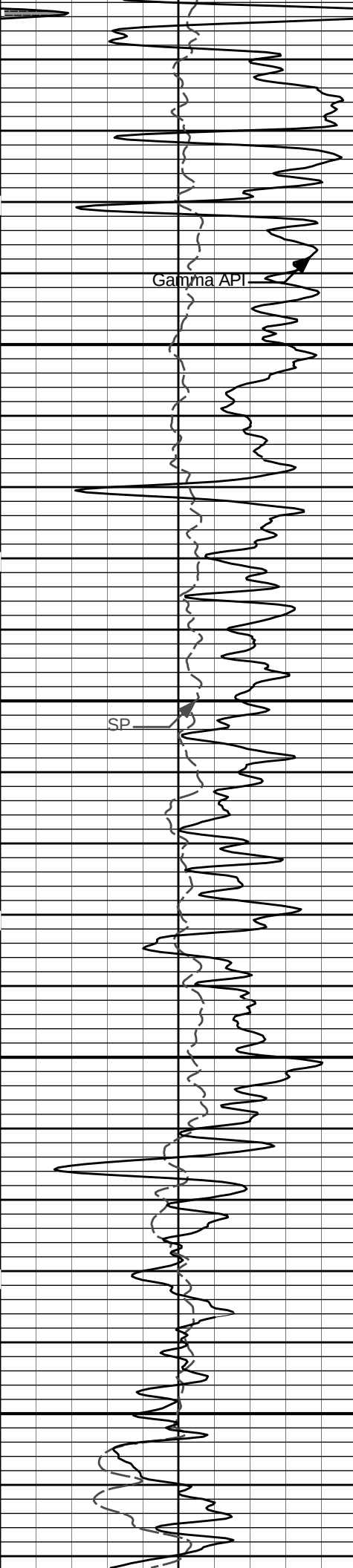
20in Resistivity 2ft Res

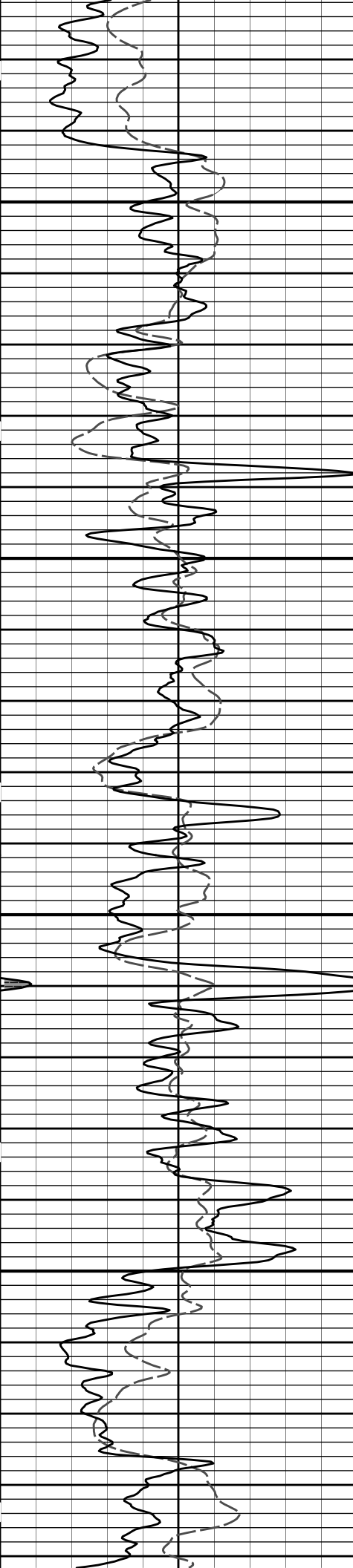
90in Conductivity 2ft Res





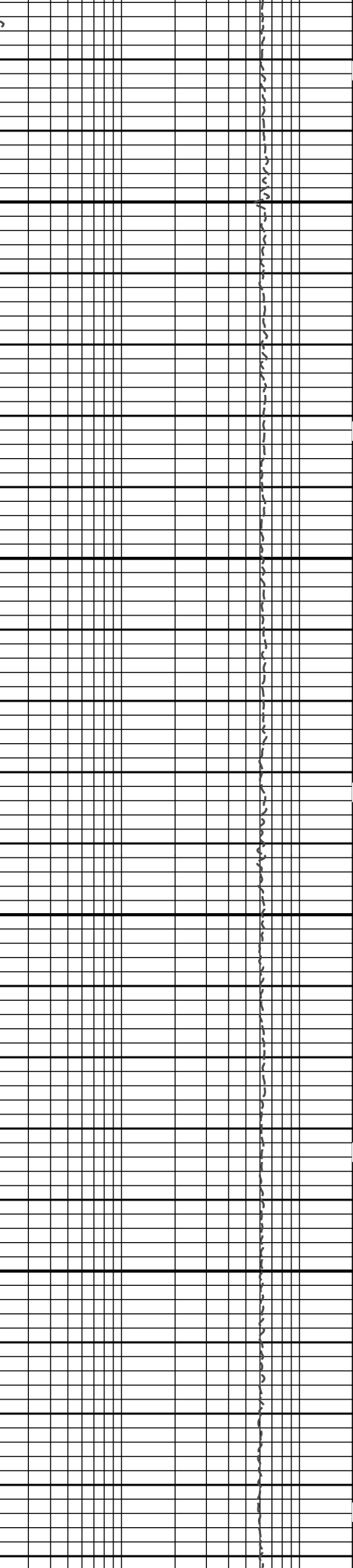
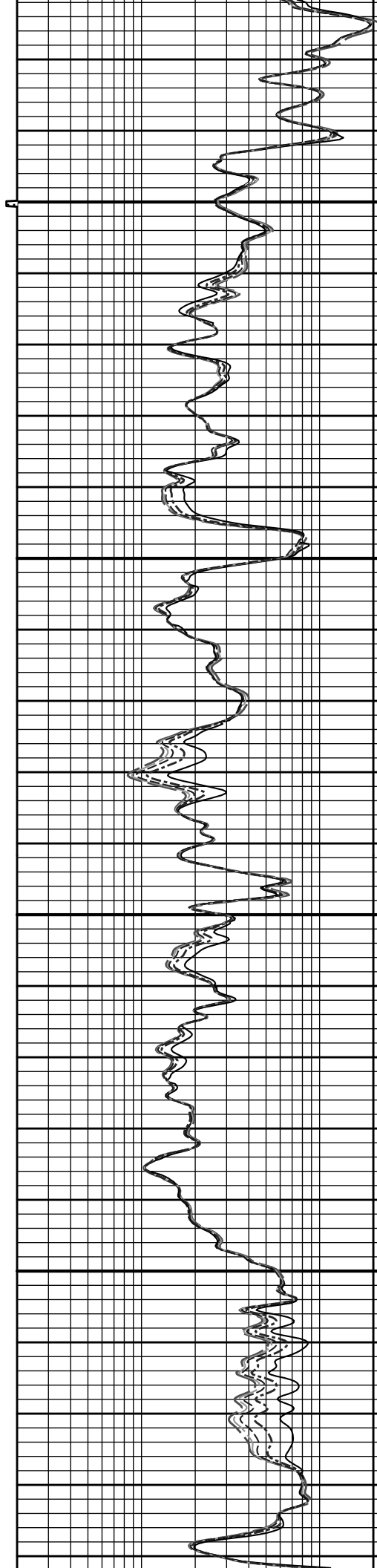


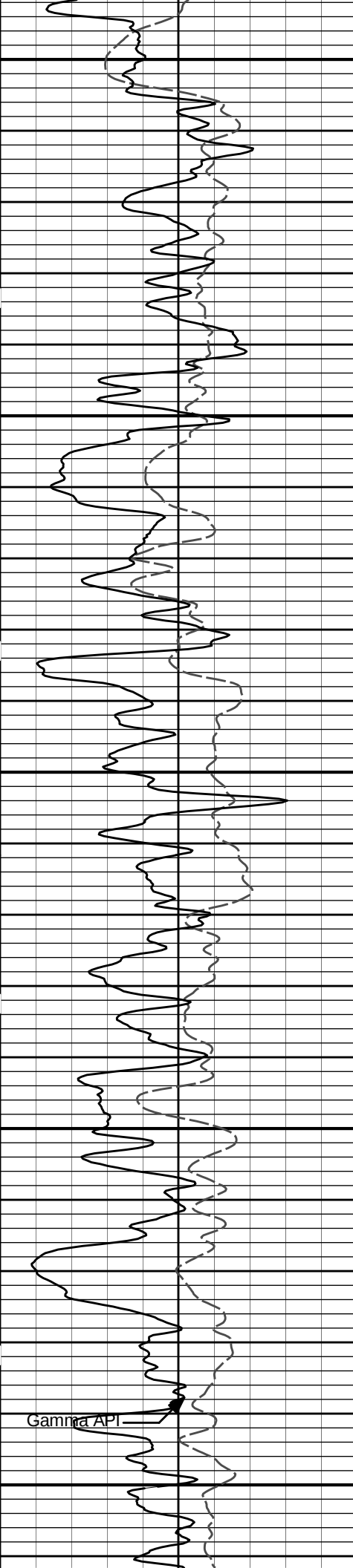




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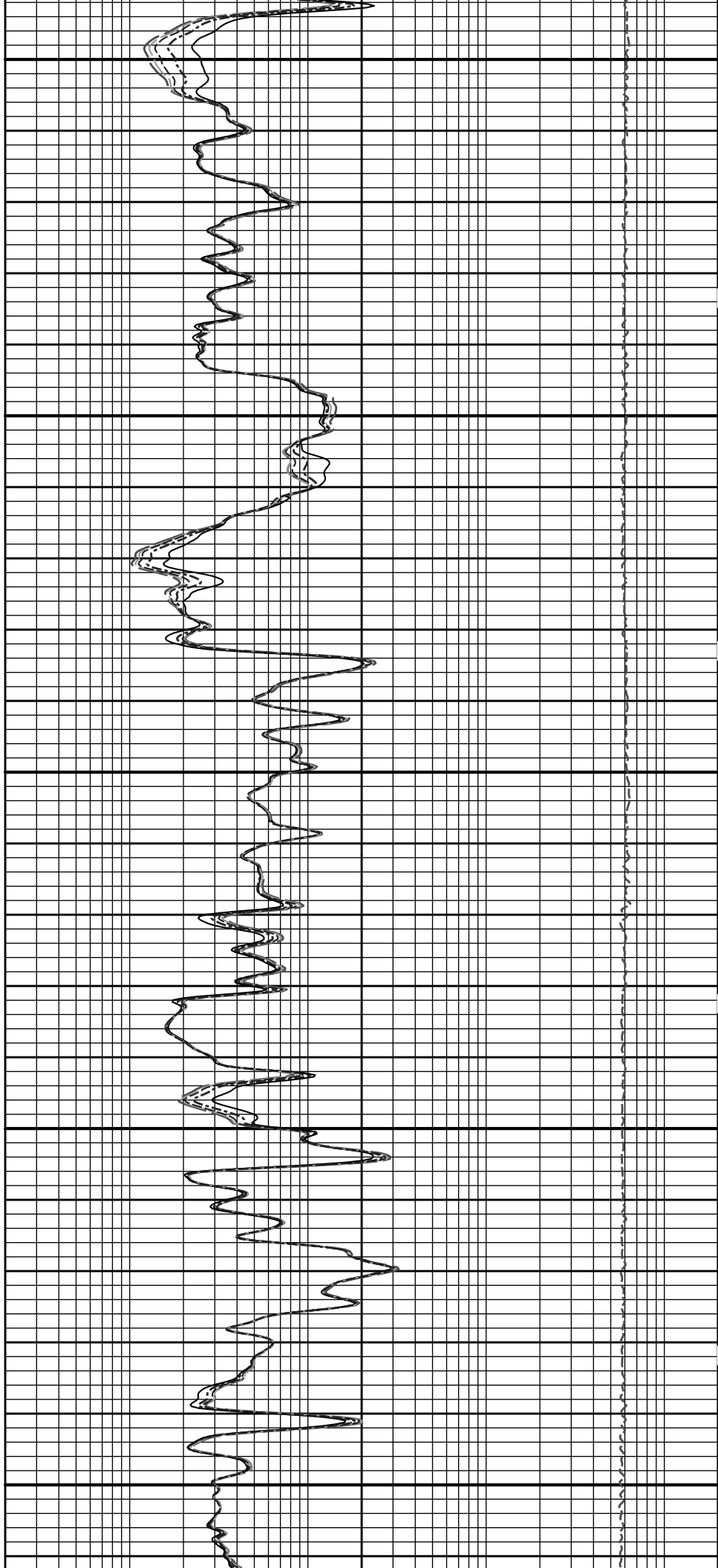
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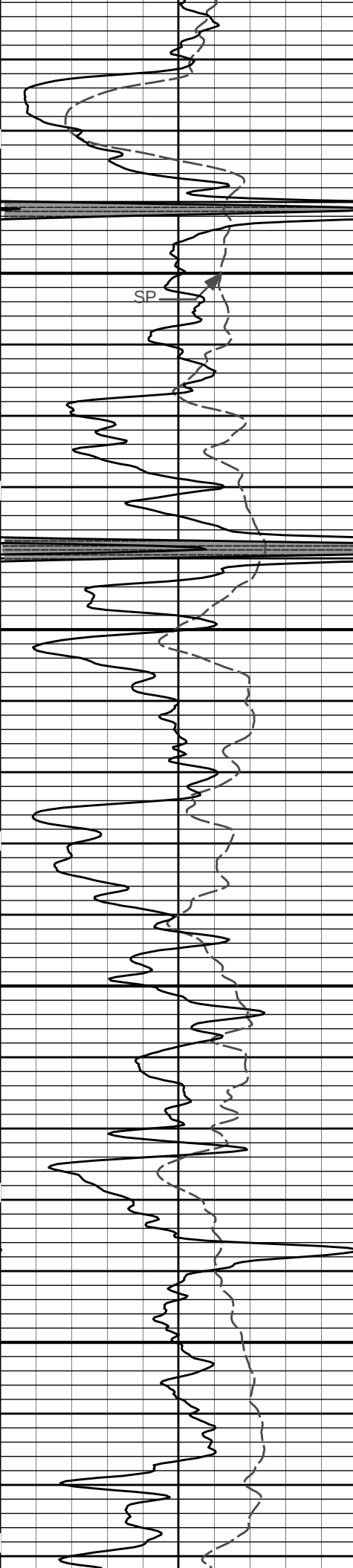




2600

2700





2800

2900

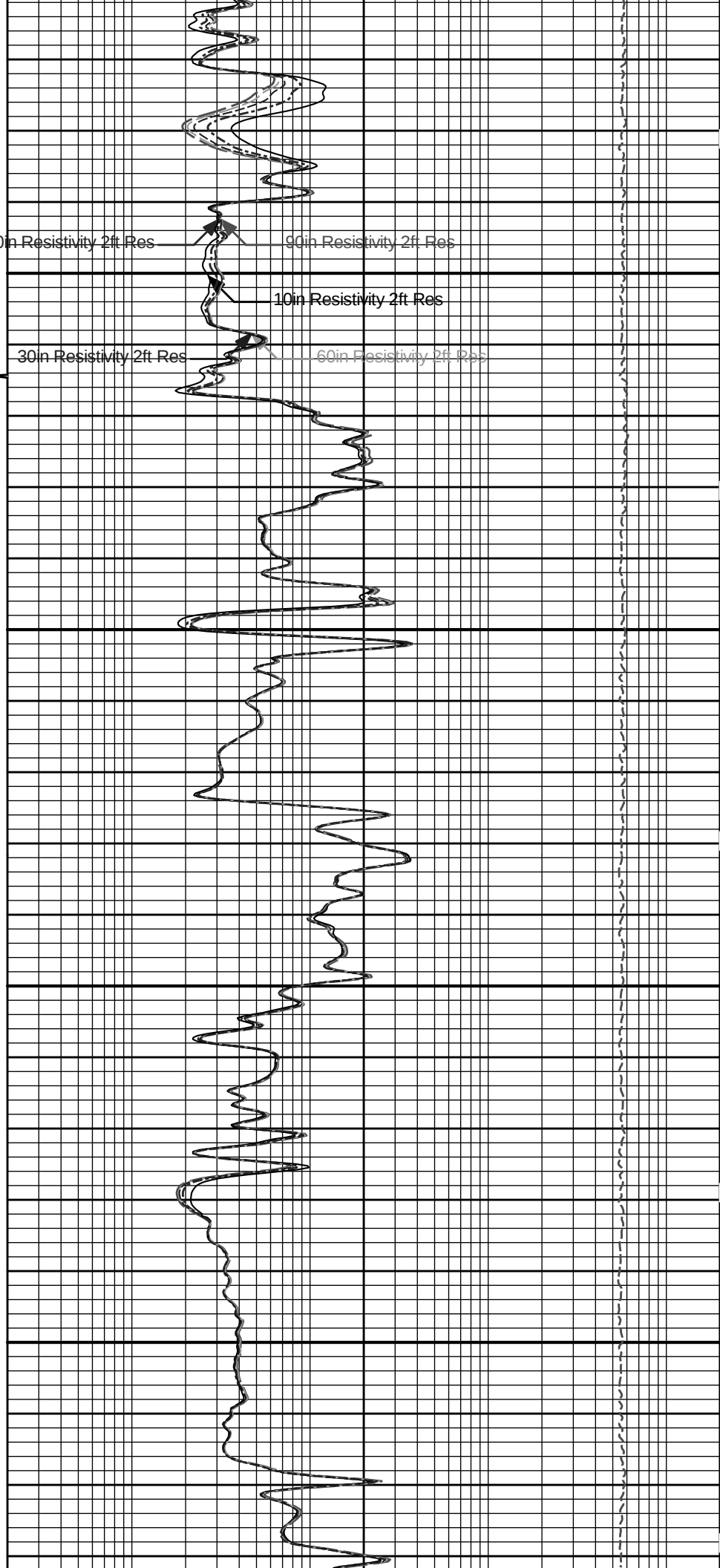
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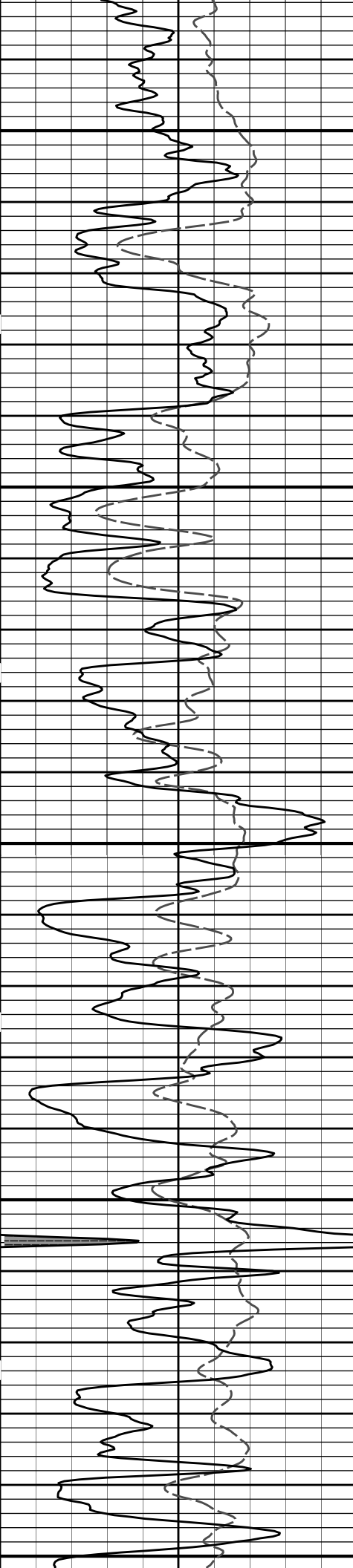
90in Resistivity 2ft Res

10in Resistivity 2ft Res

30in Resistivity 2ft Res

60in Resistivity 2ft Res

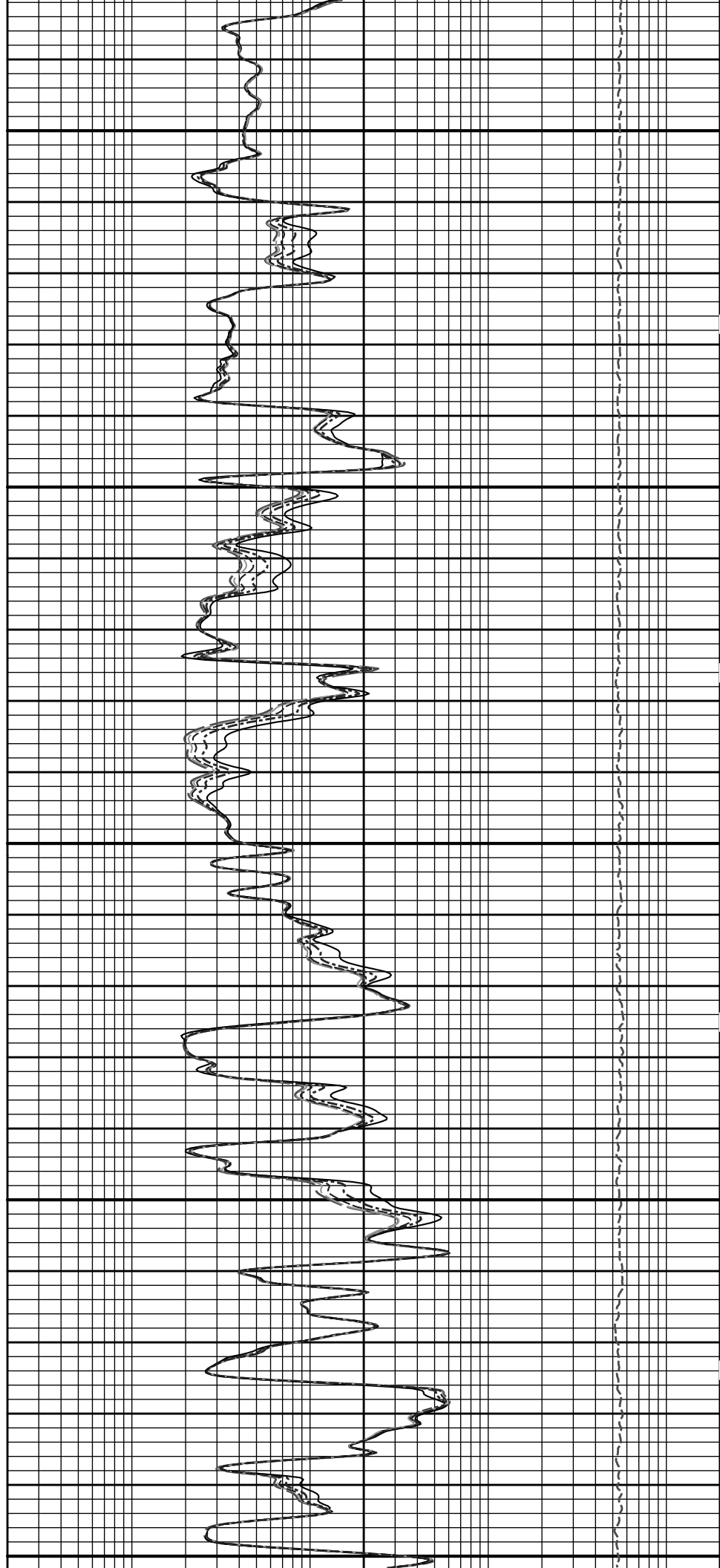


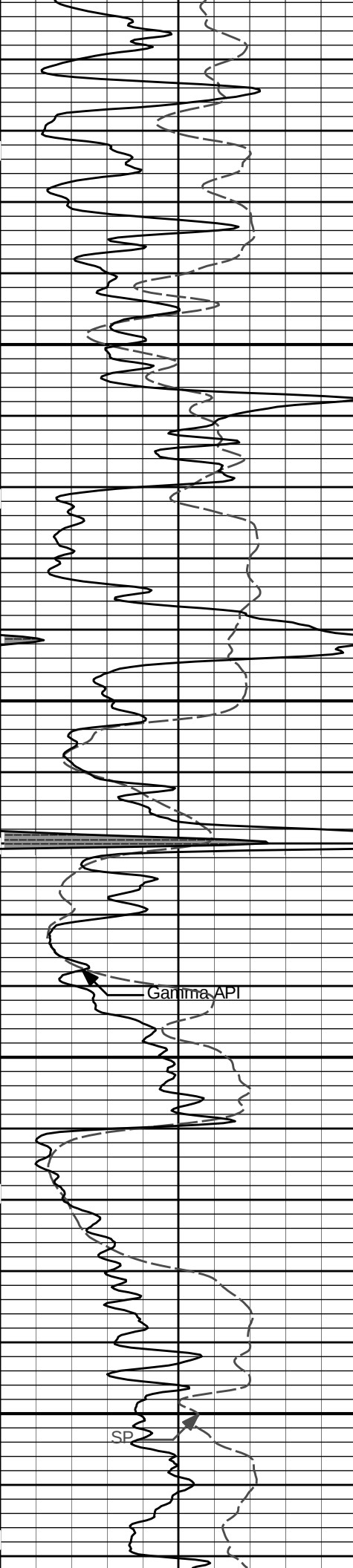


3000

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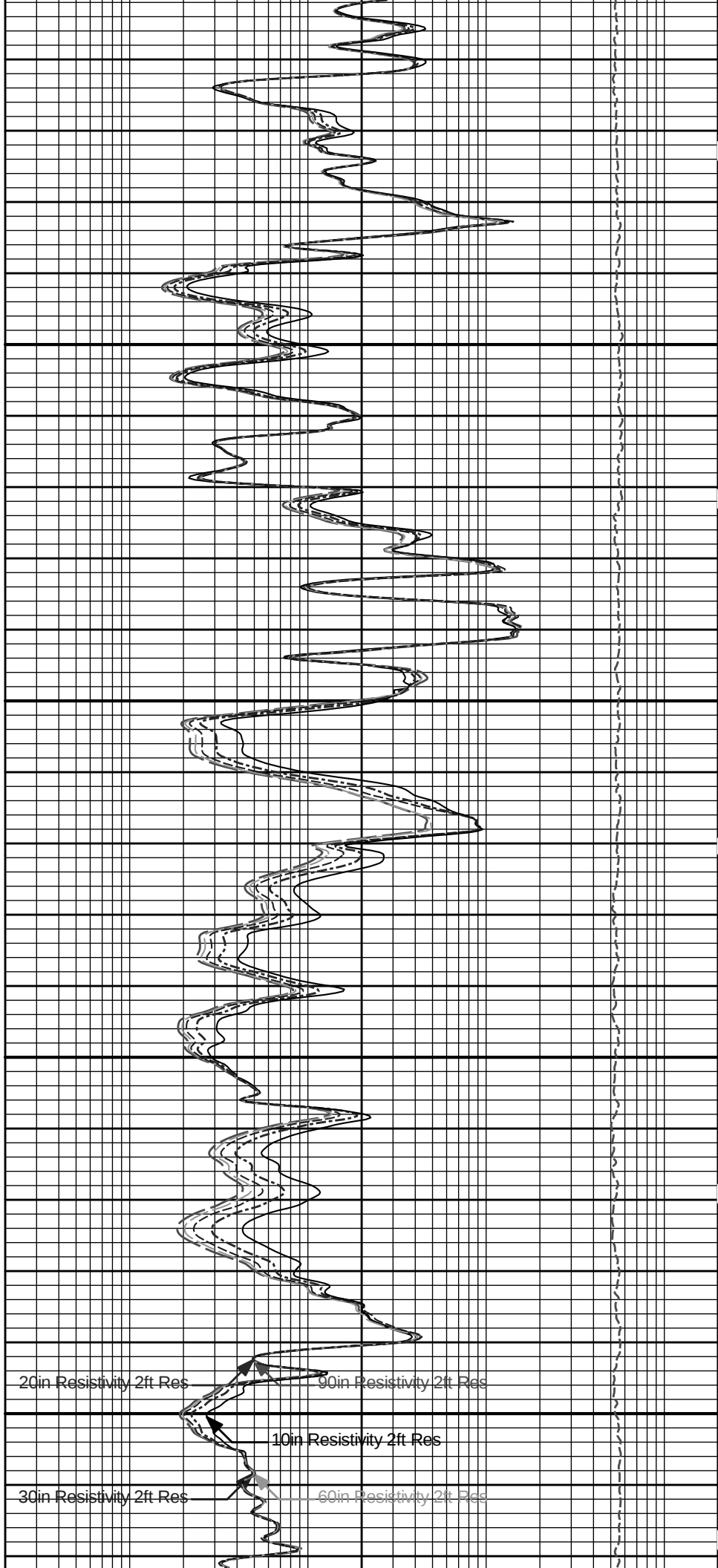
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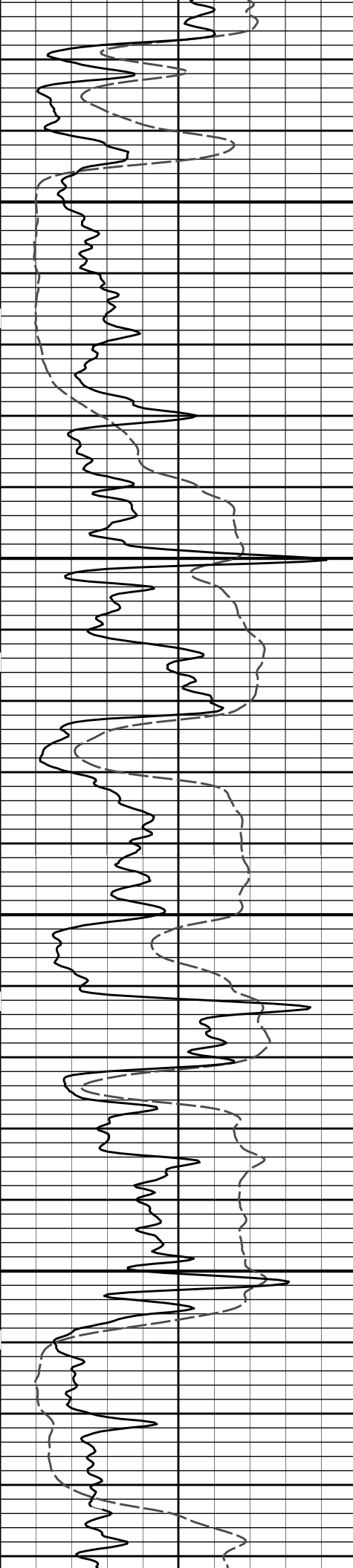




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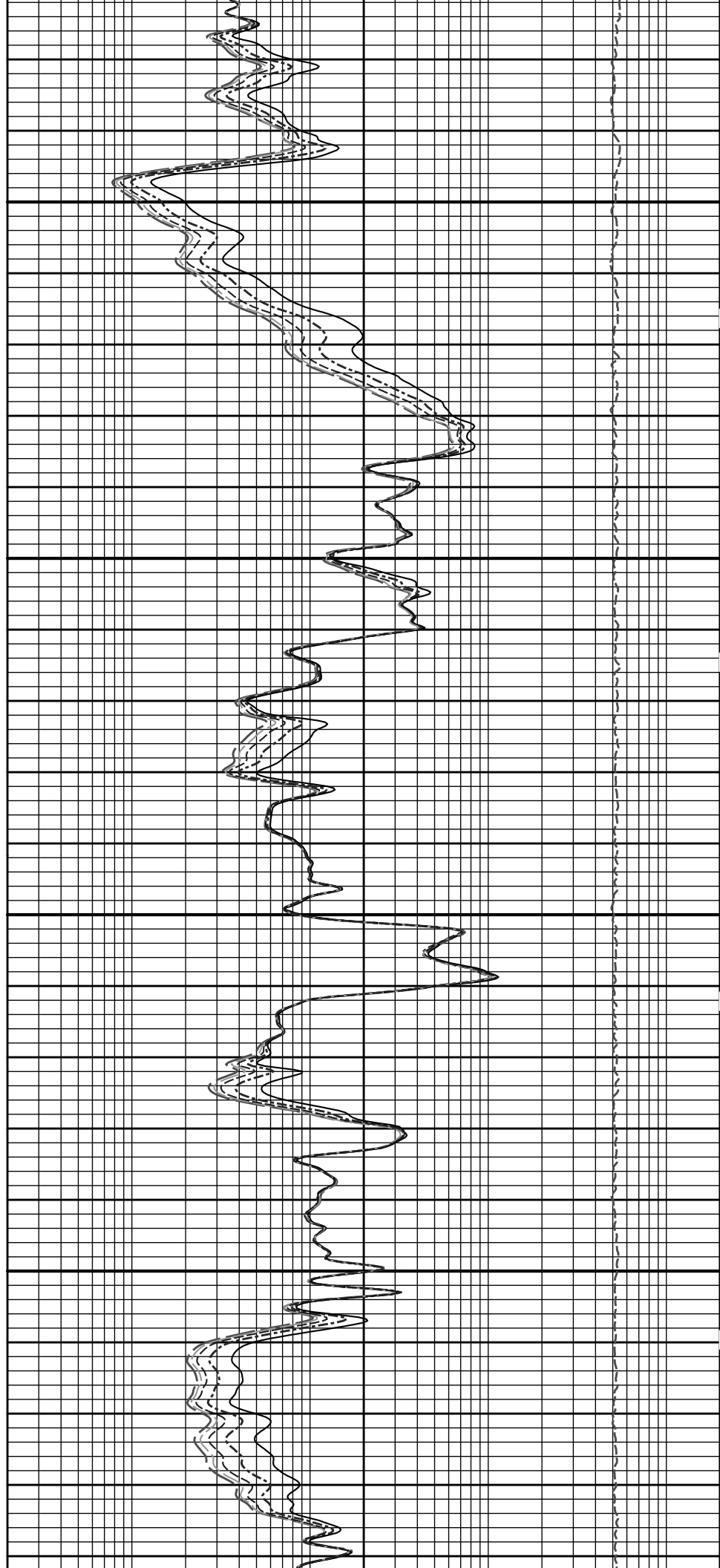
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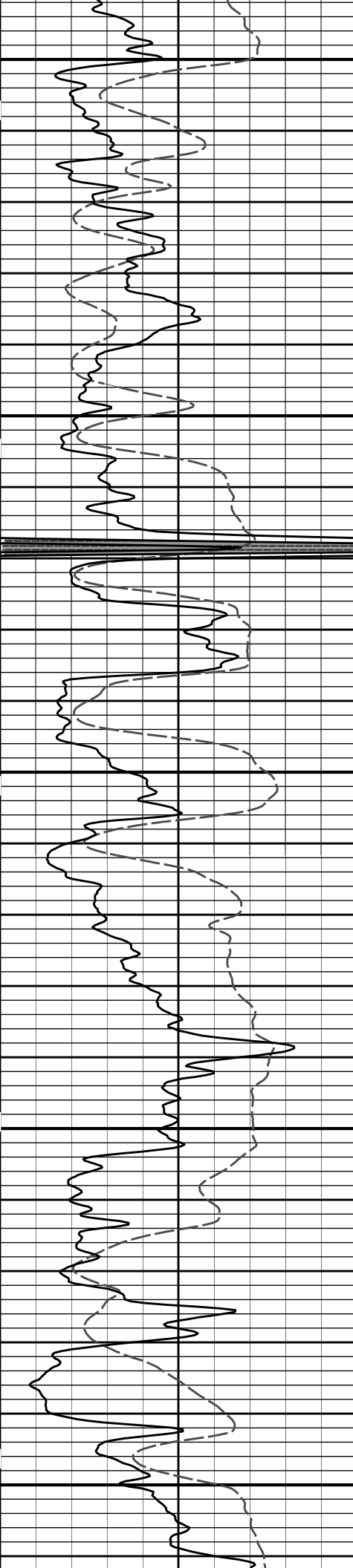




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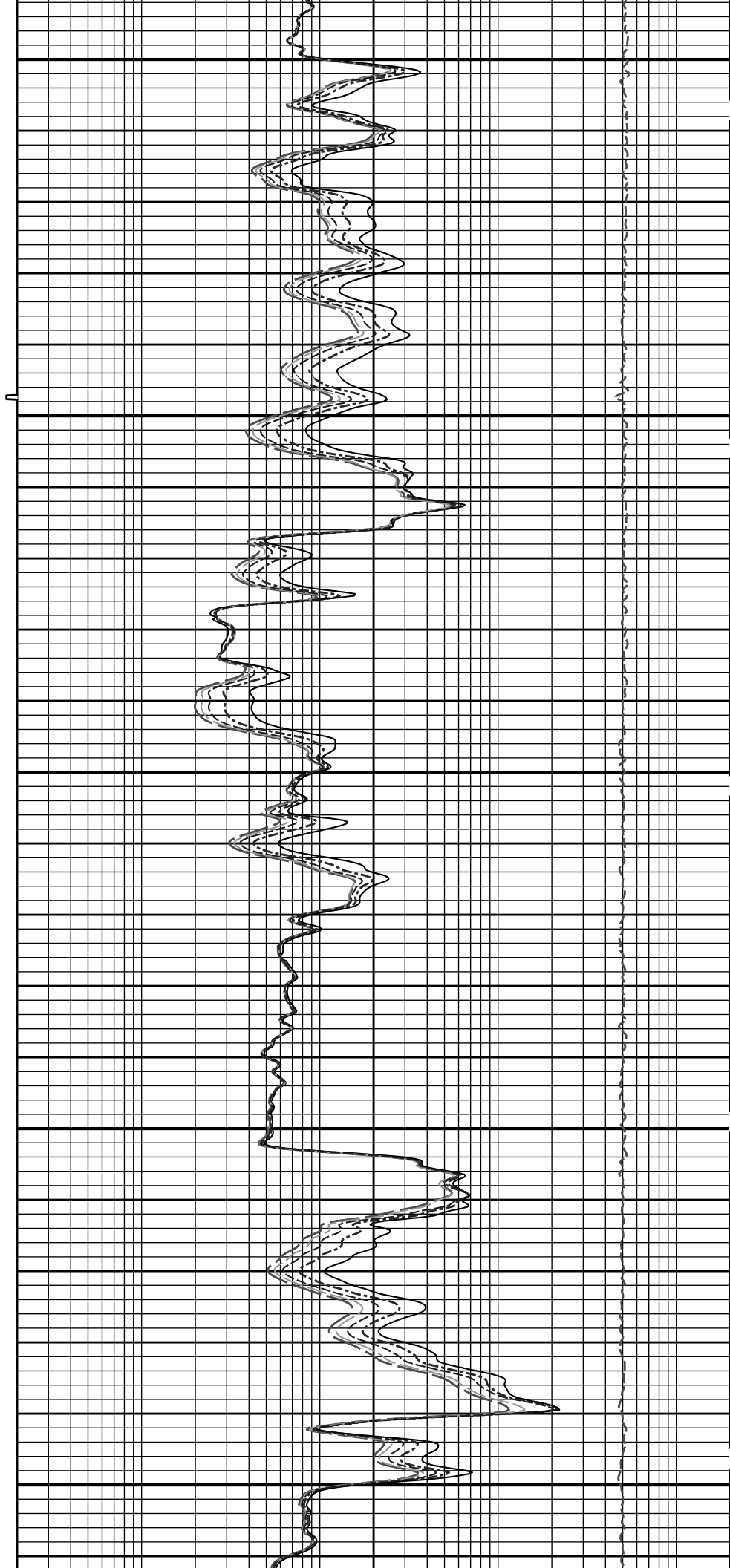
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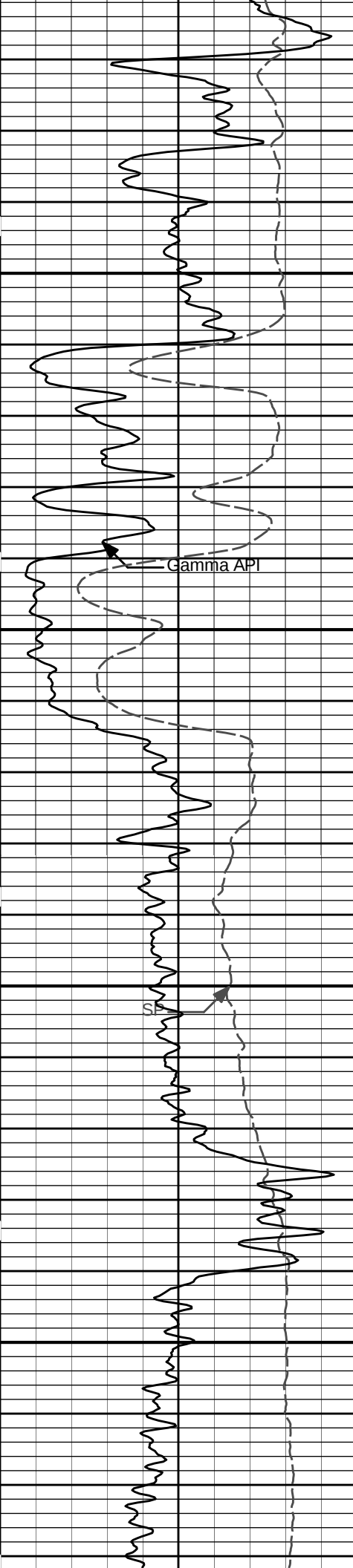




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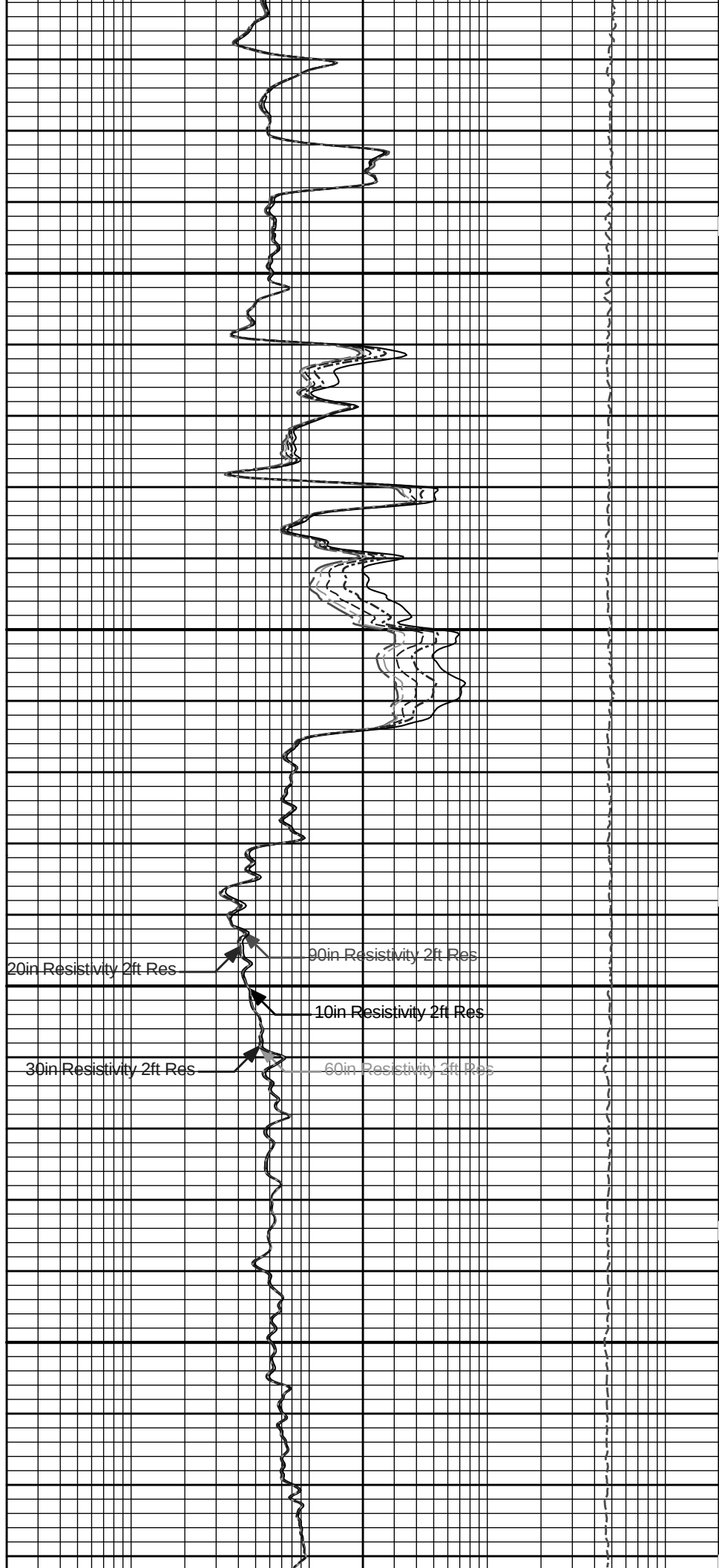
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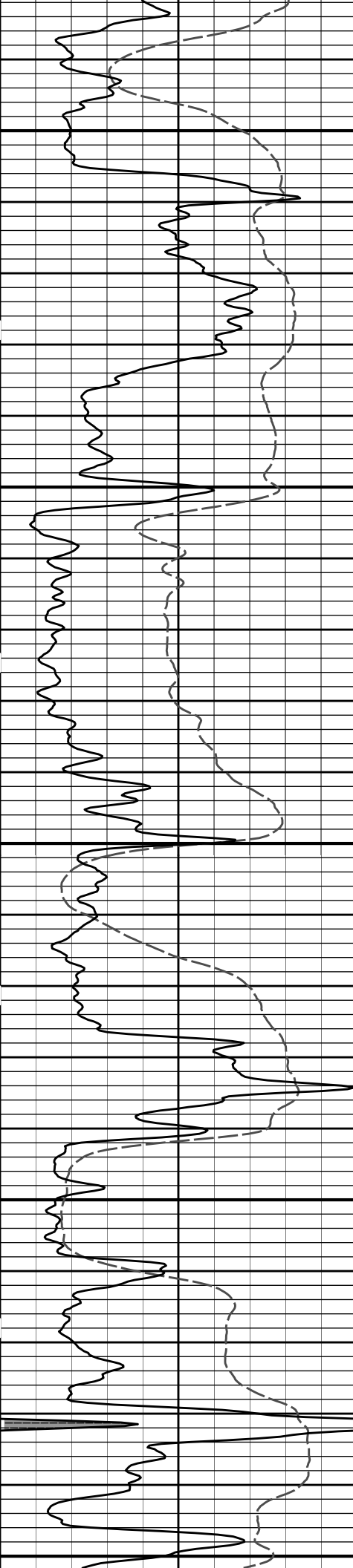




3900

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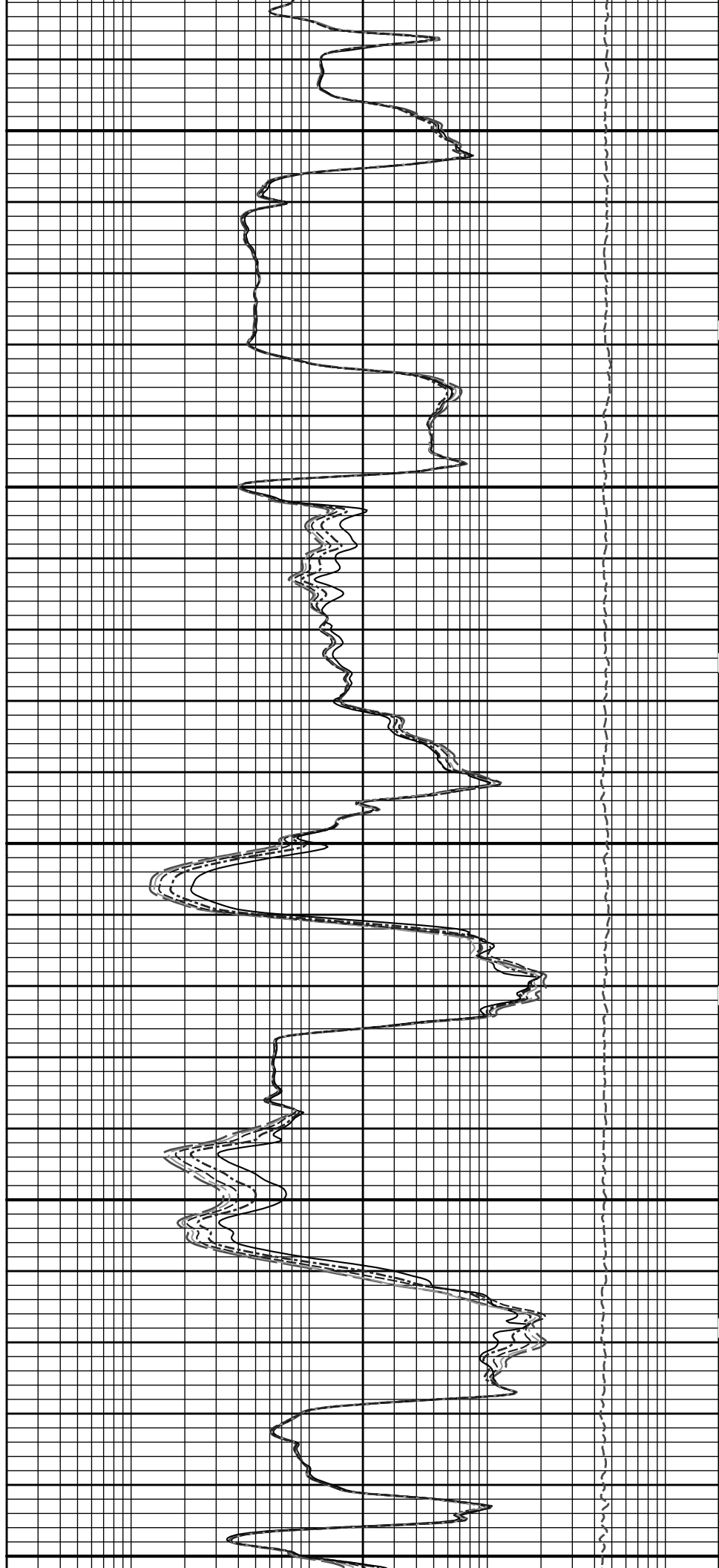


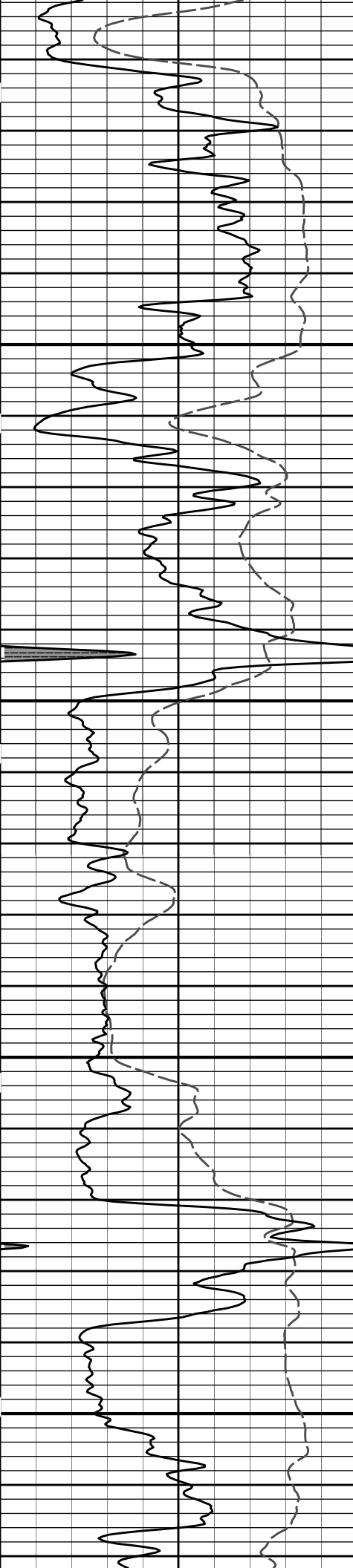


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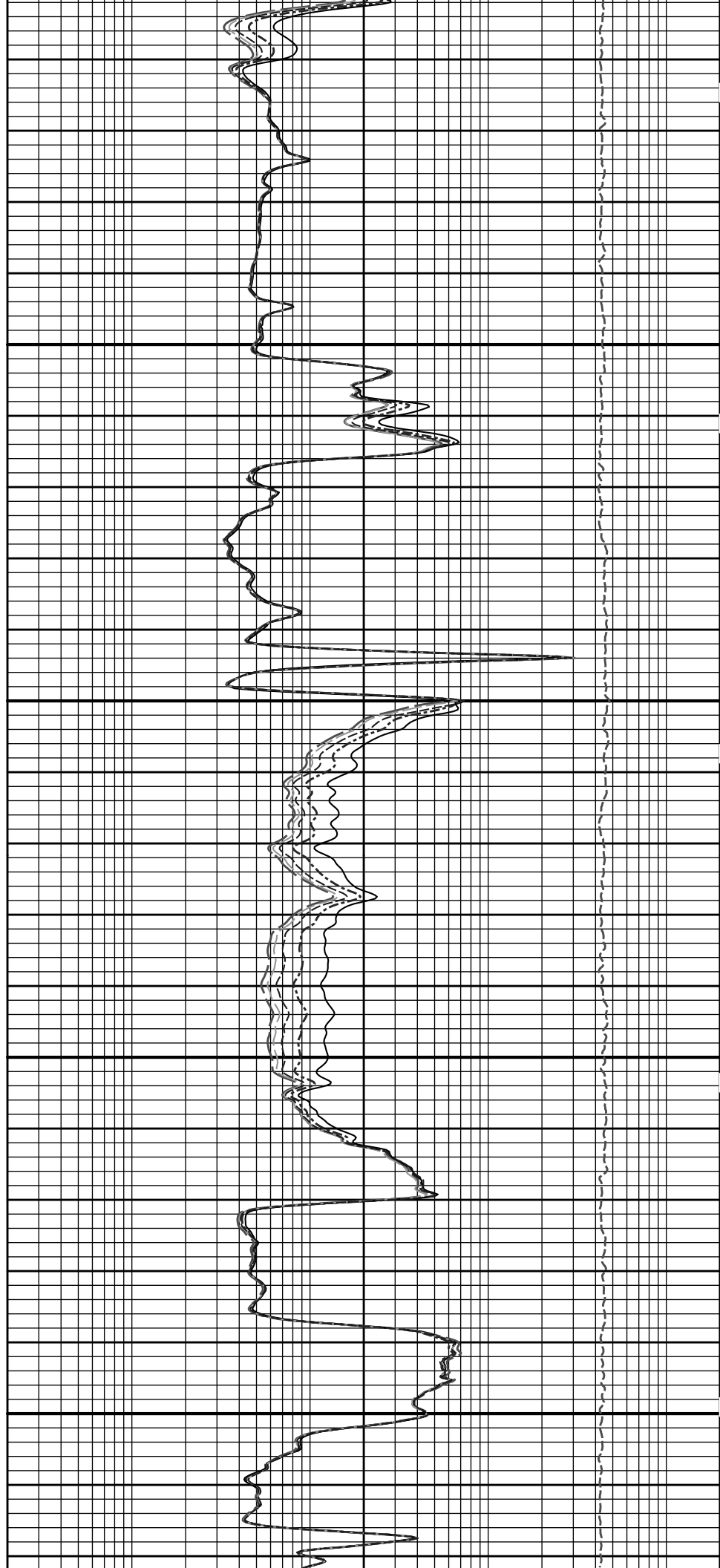
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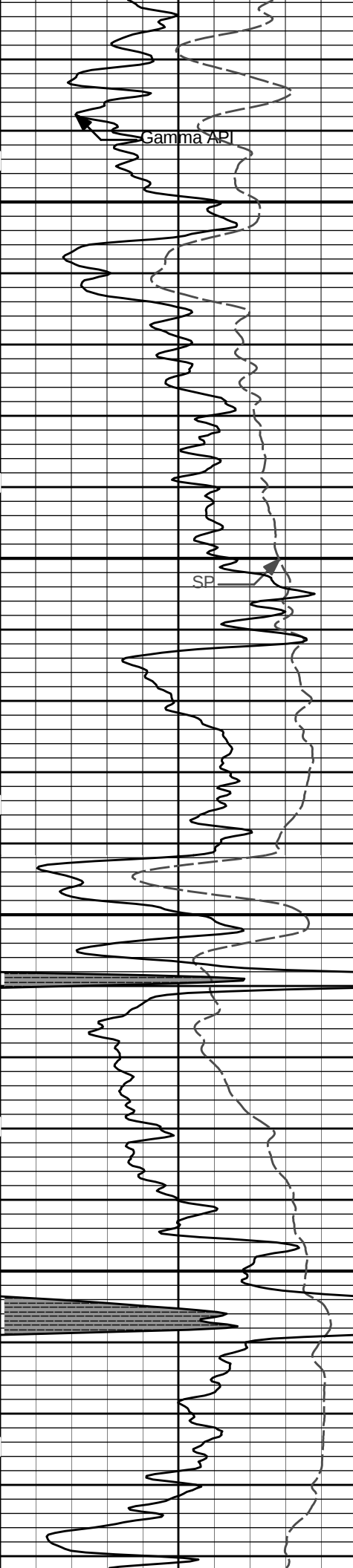




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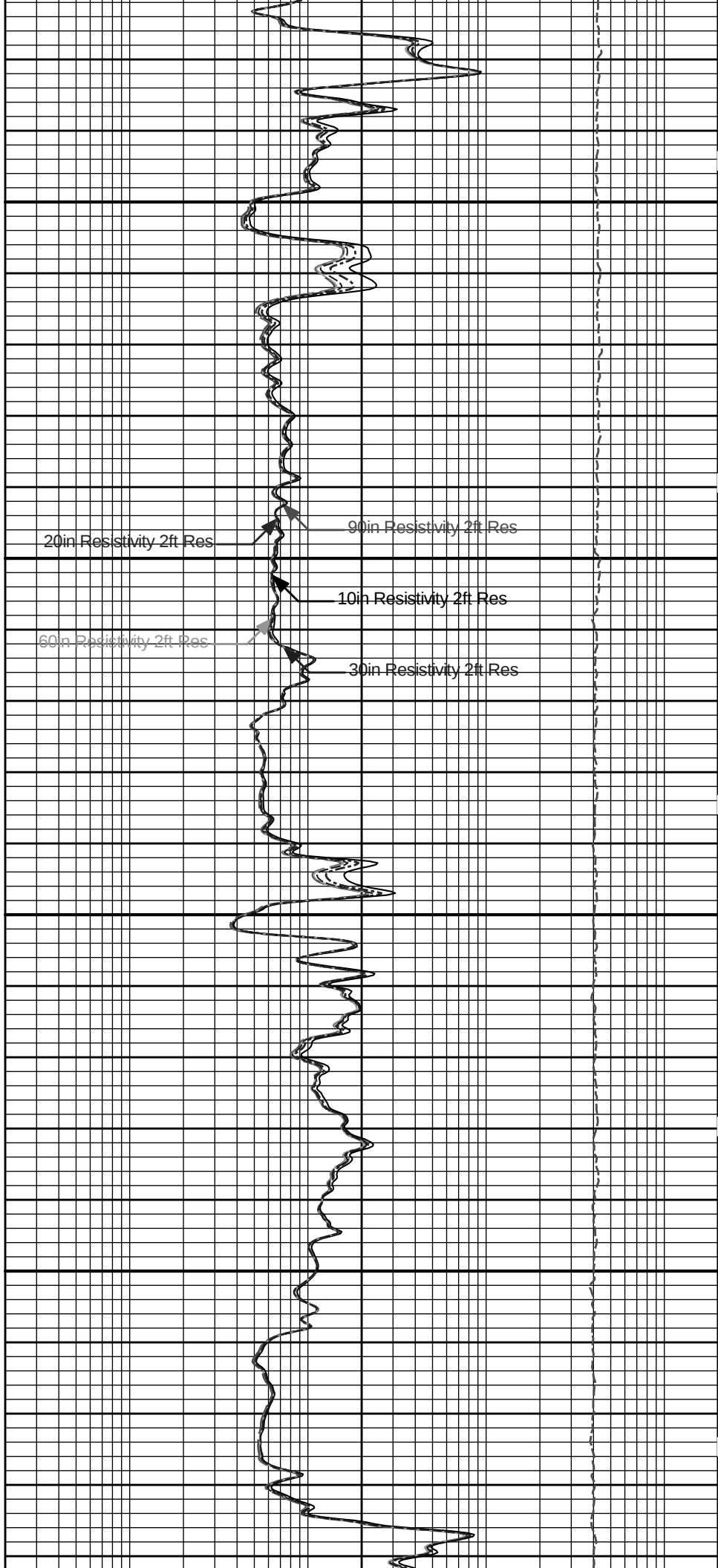
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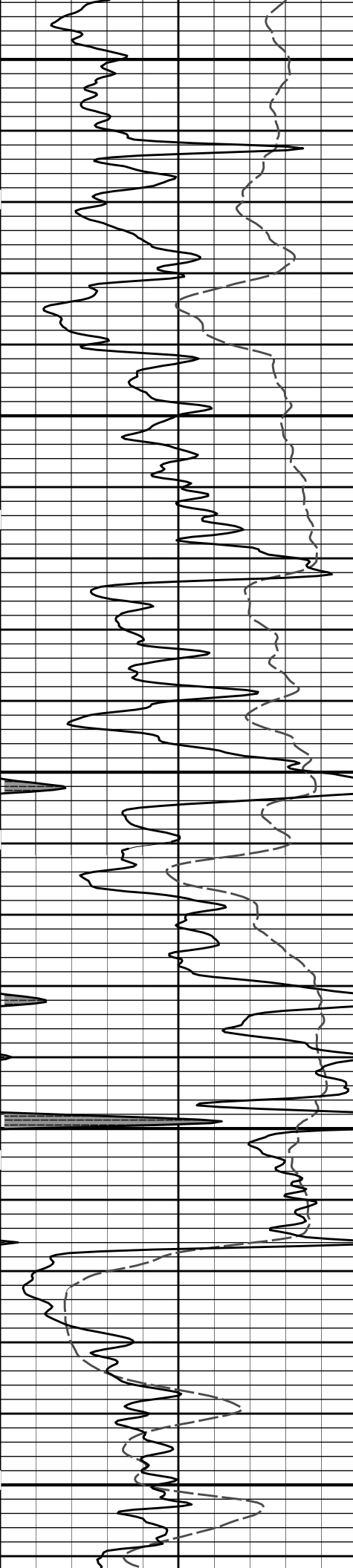




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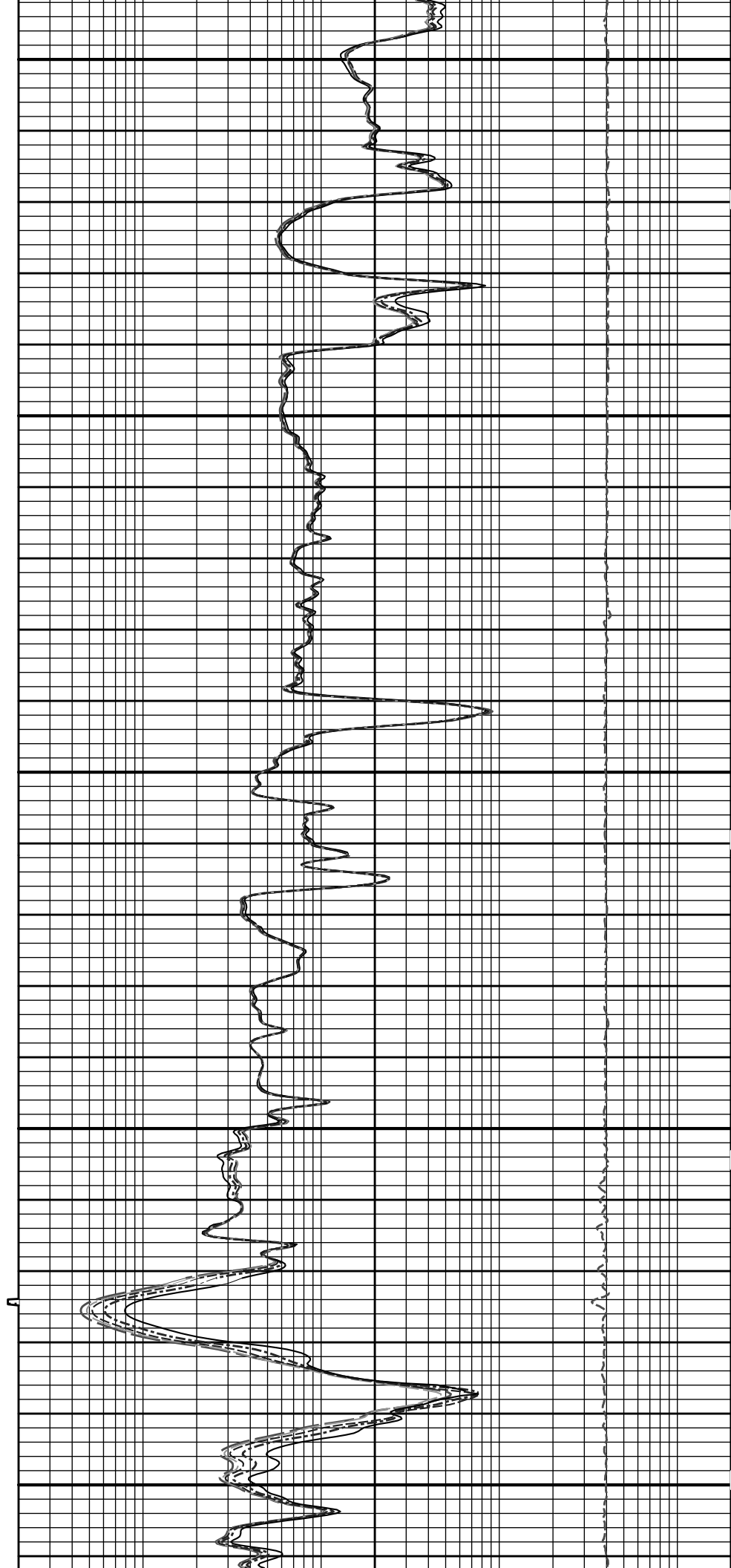
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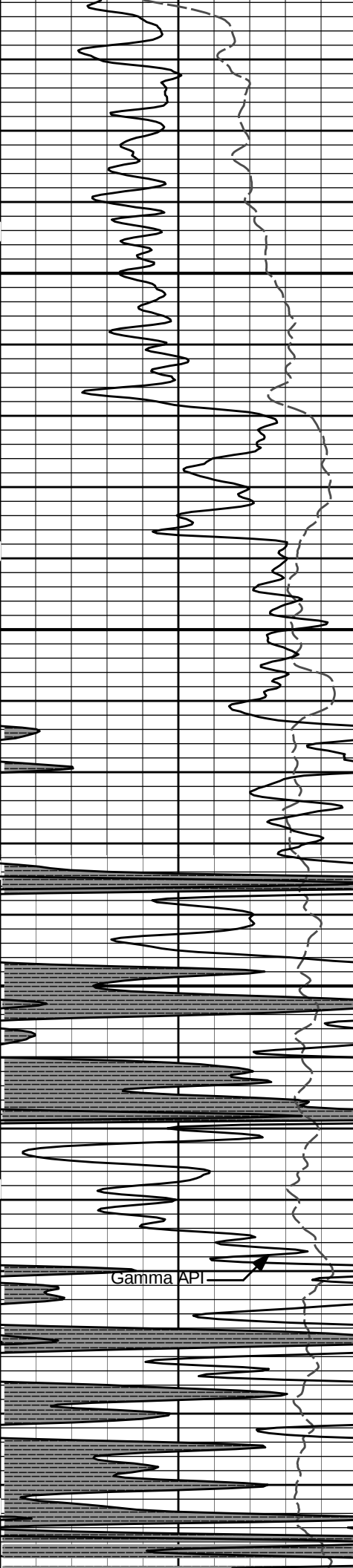




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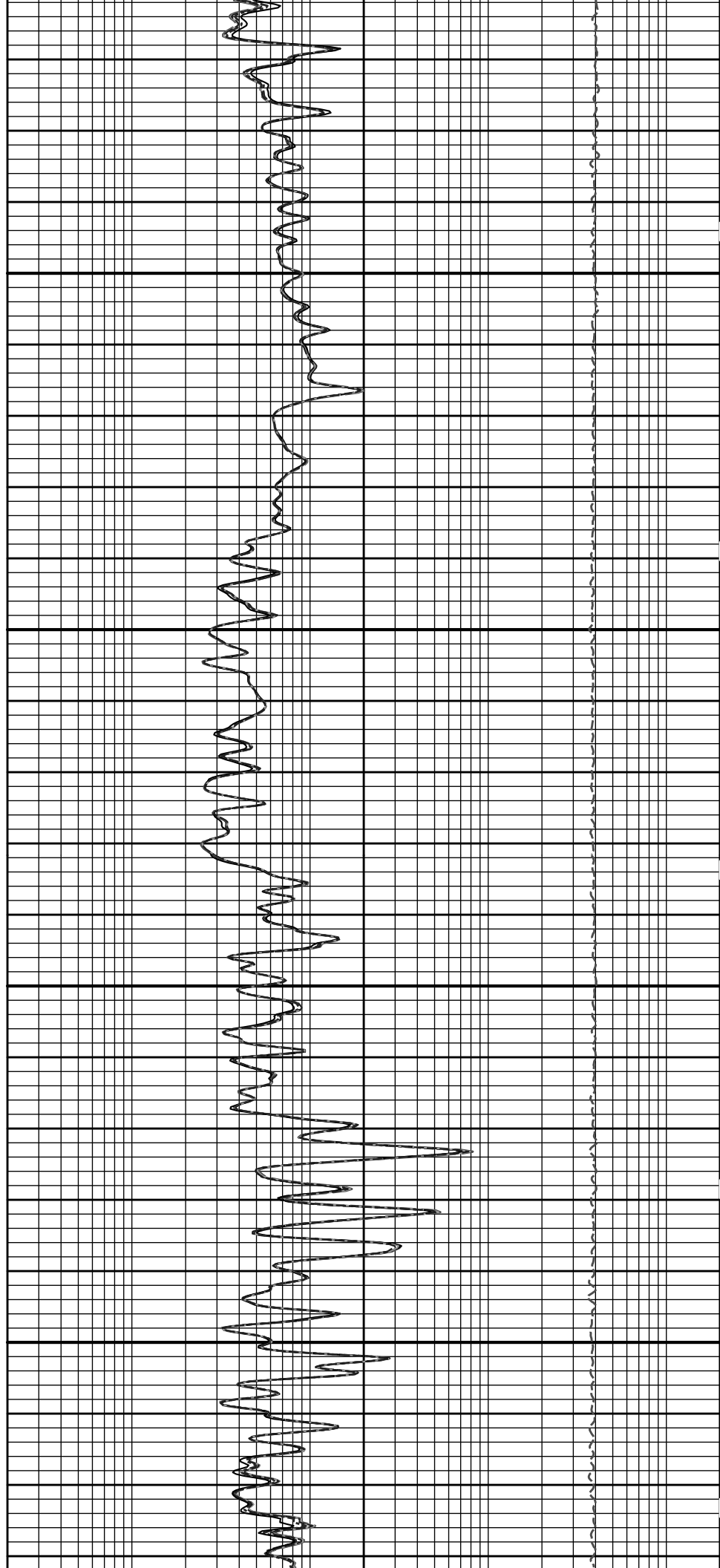
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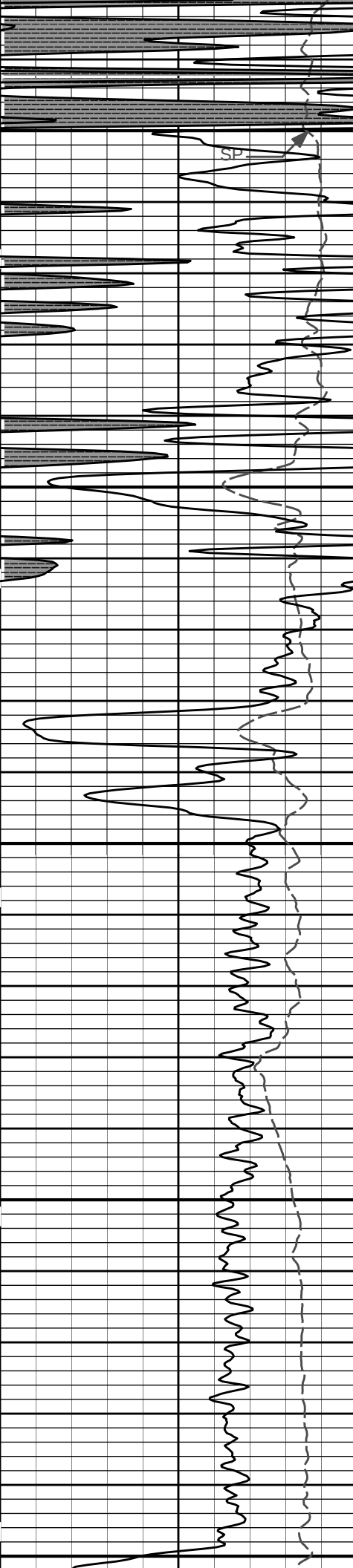




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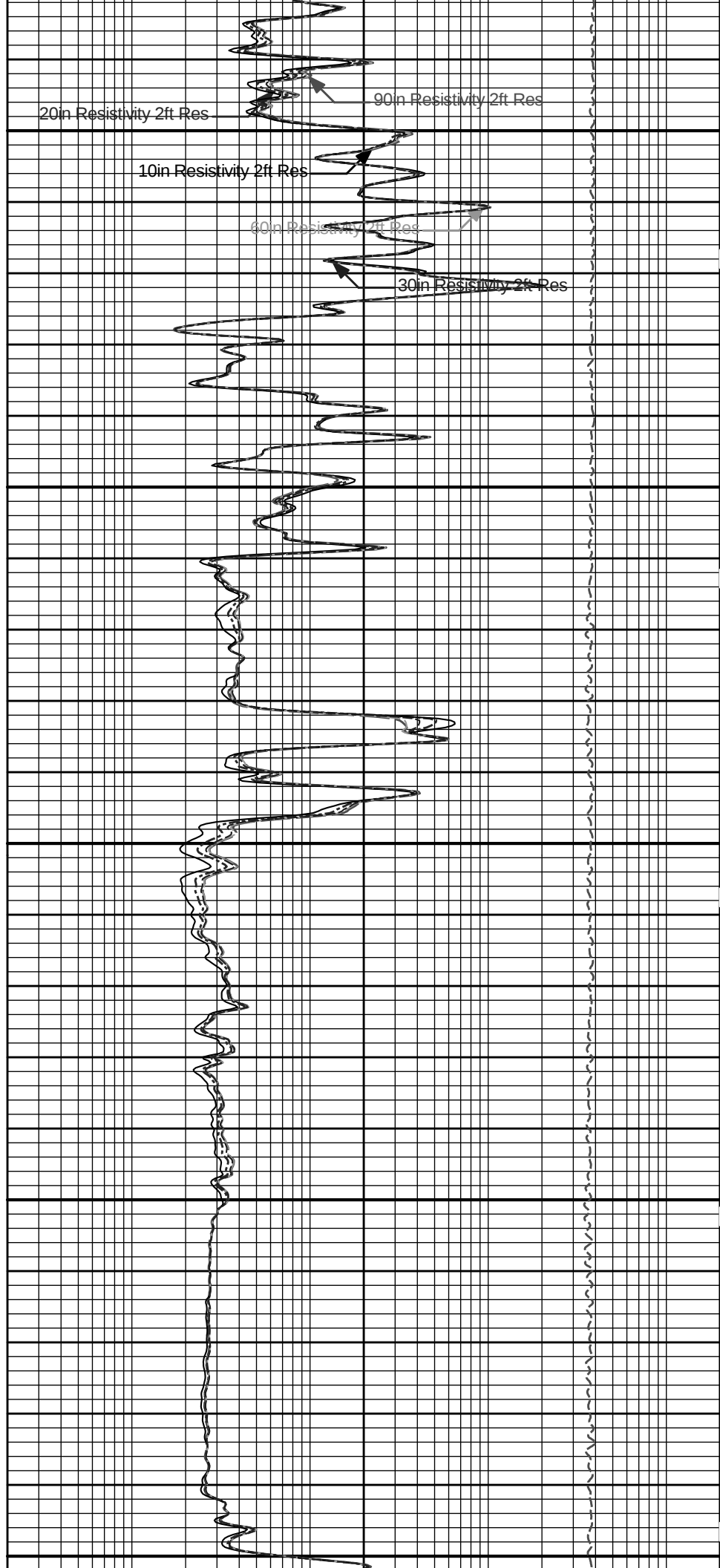




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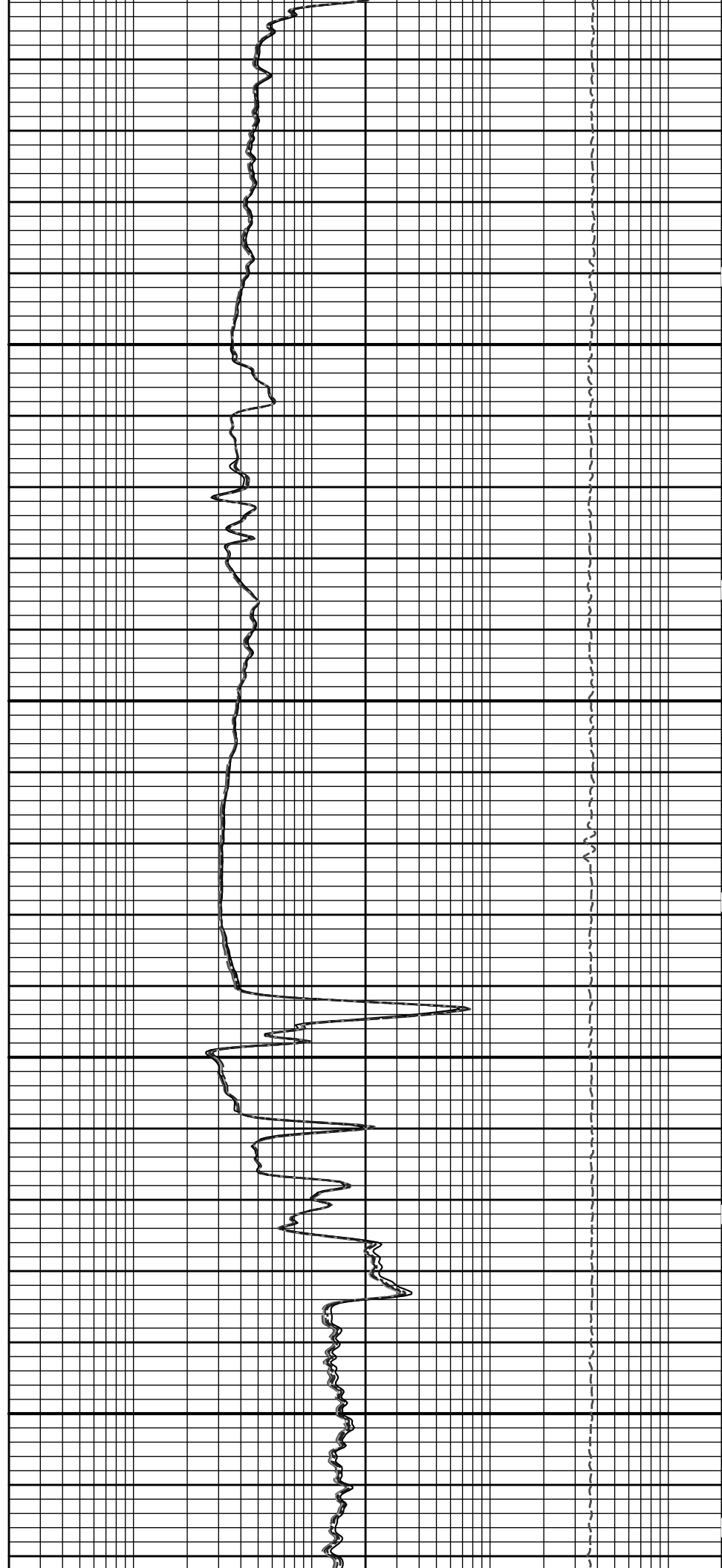
5400





5500

5600



5700

Gamma API

SP

5800

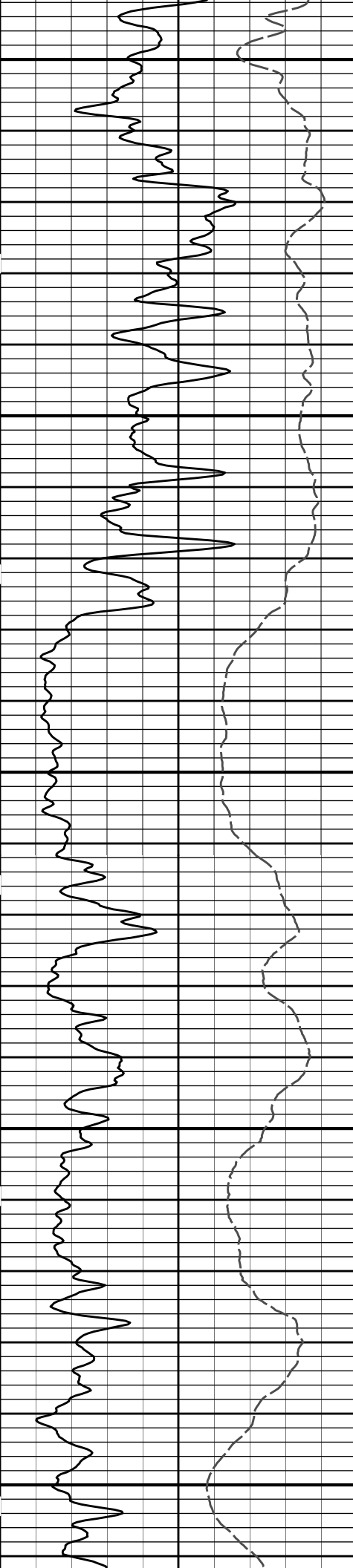
90in Resistivity 2ft Res

20in Resistivity 2ft Res

10in Resistivity 2ft Res

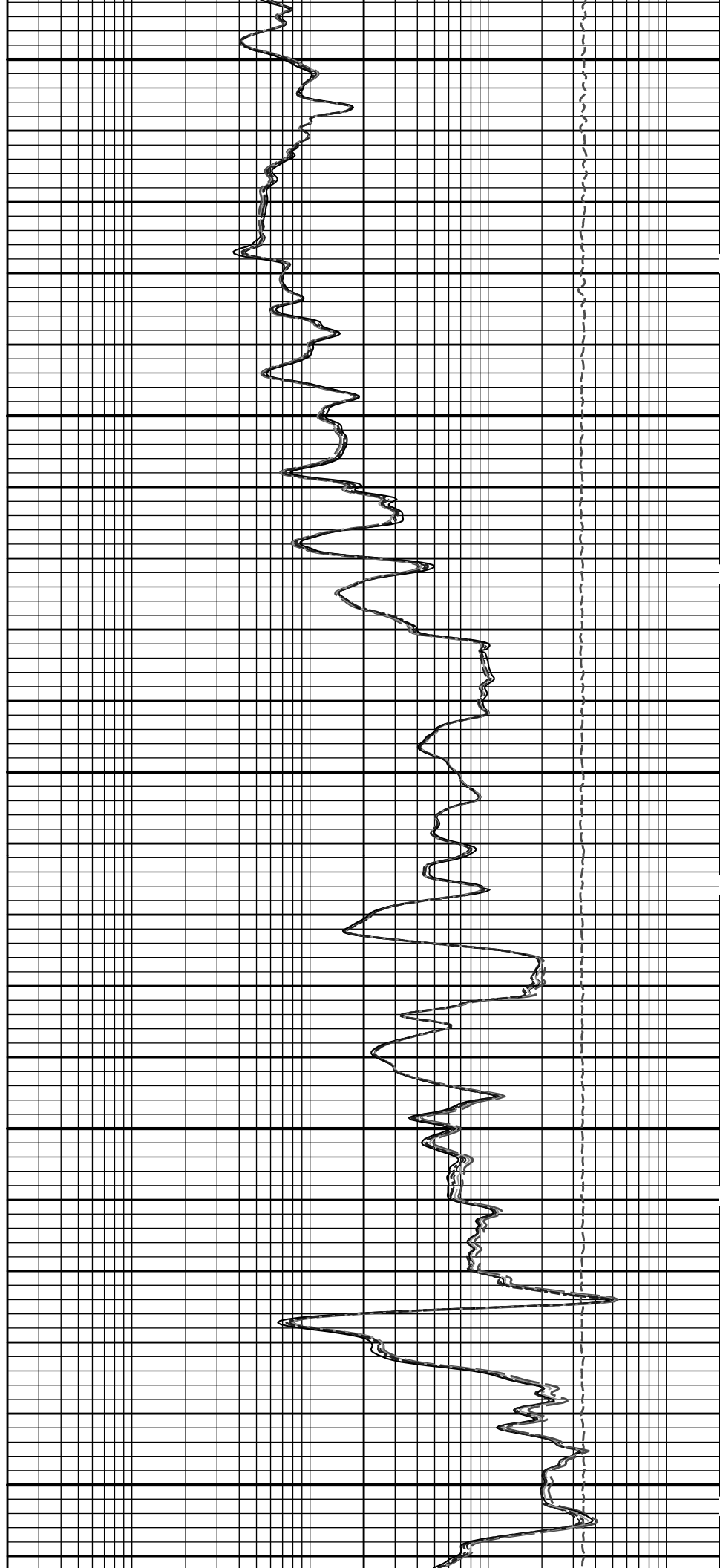
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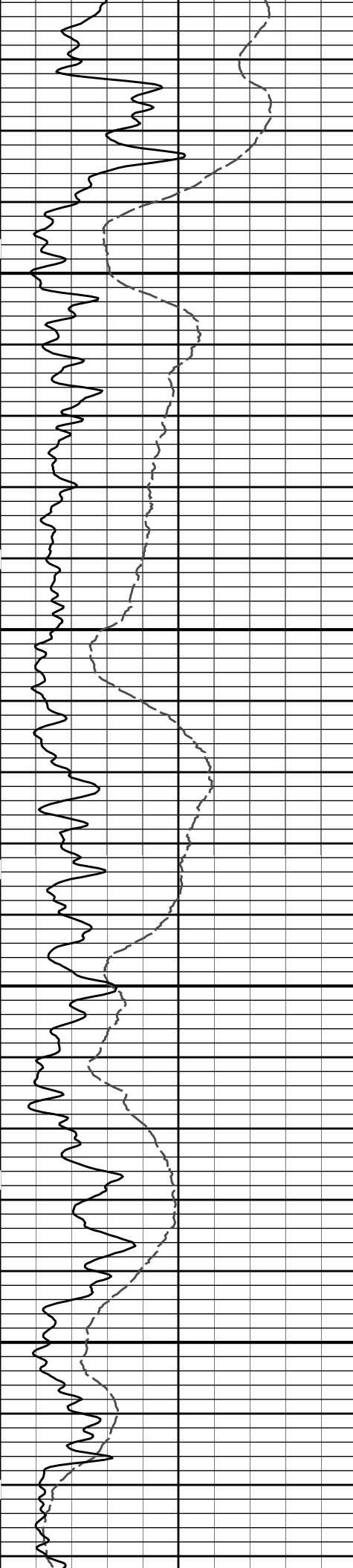
30in Resistivity 2ft Res



5900

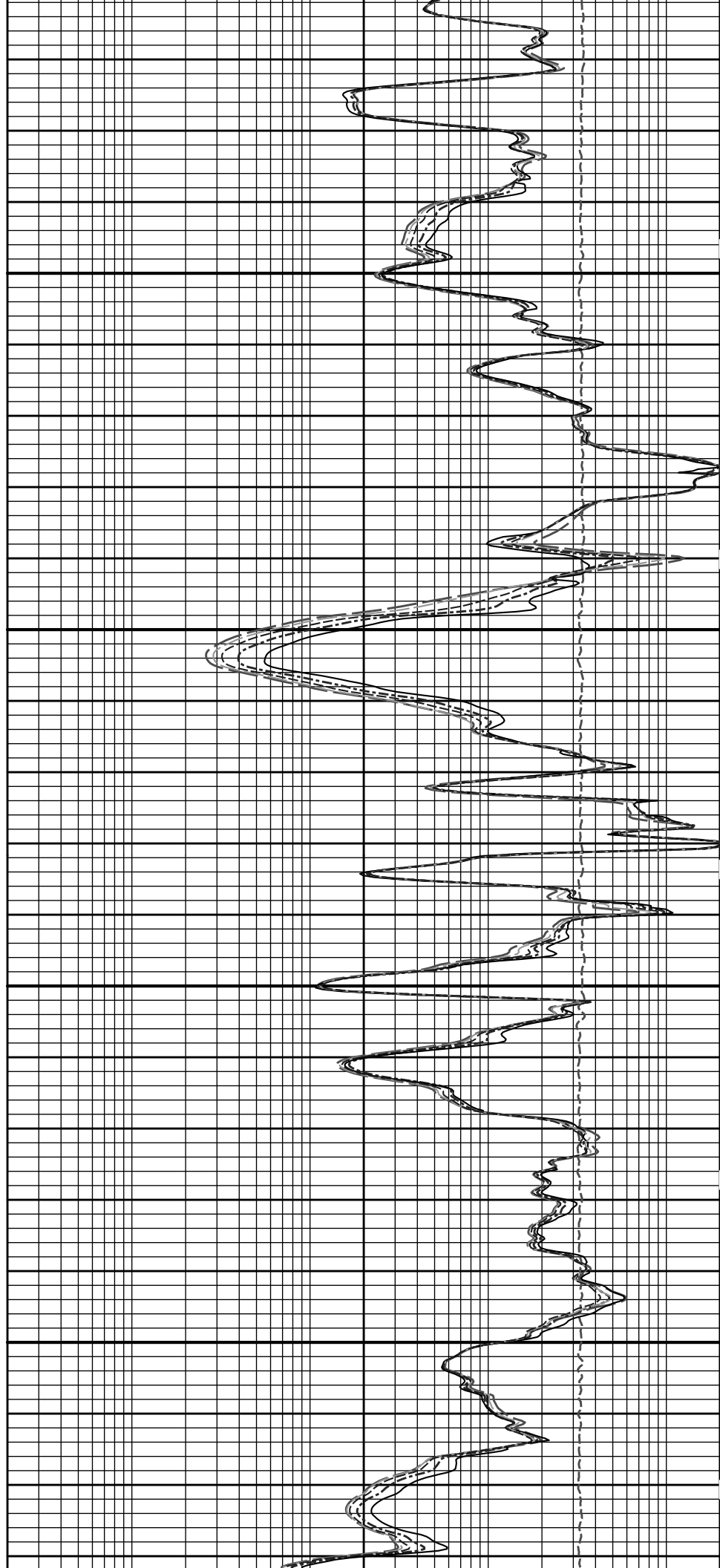
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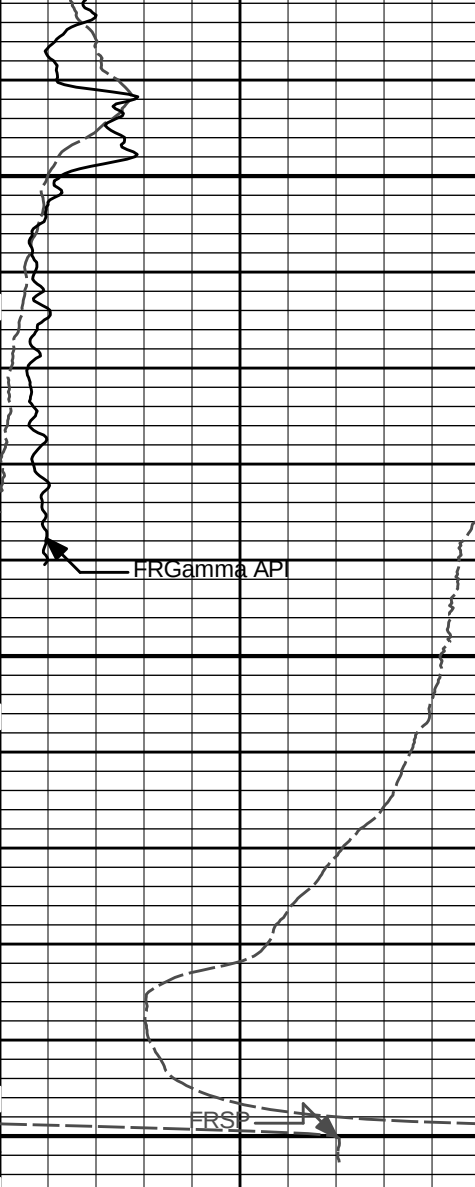




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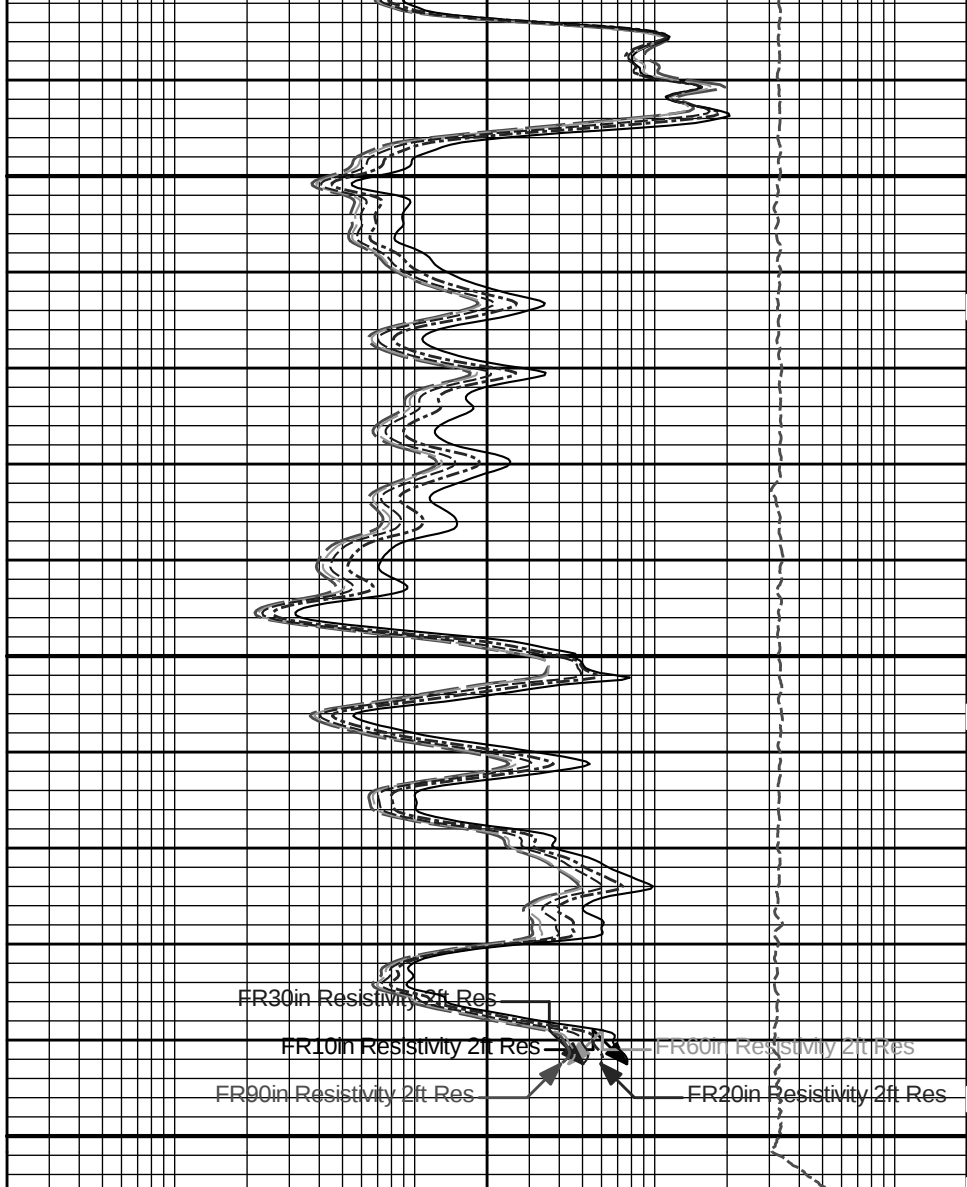
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6300

6400



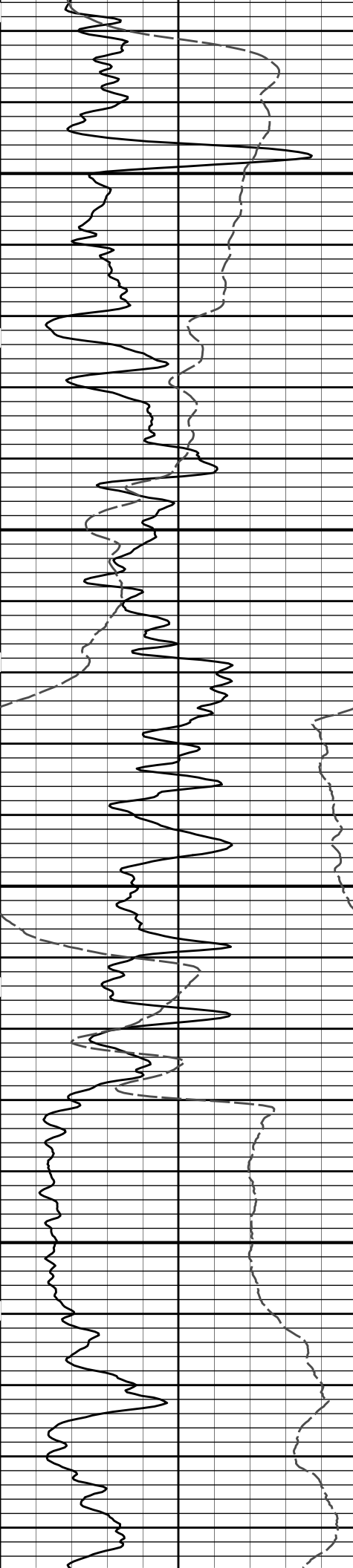
SP	
- 20 +	
0	150
Gamma API	
api	
SHALE	

1 : 240	
ft	
Tension Pull	0
10	
Tension Pull	

10K	Tension	0
	pounds	
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
	ohmm	
0.2	90in Resistivity 2ft Res	2000
	ohmm	

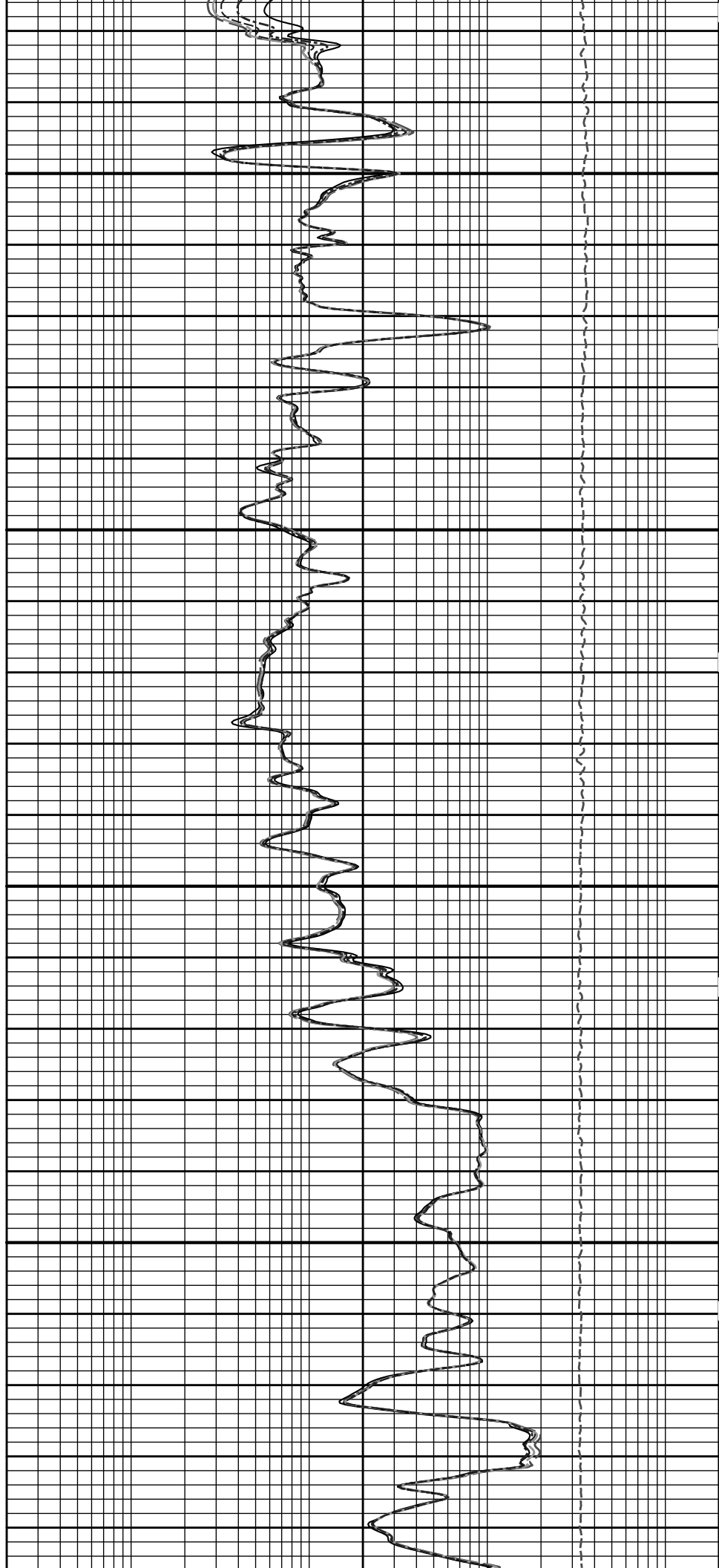
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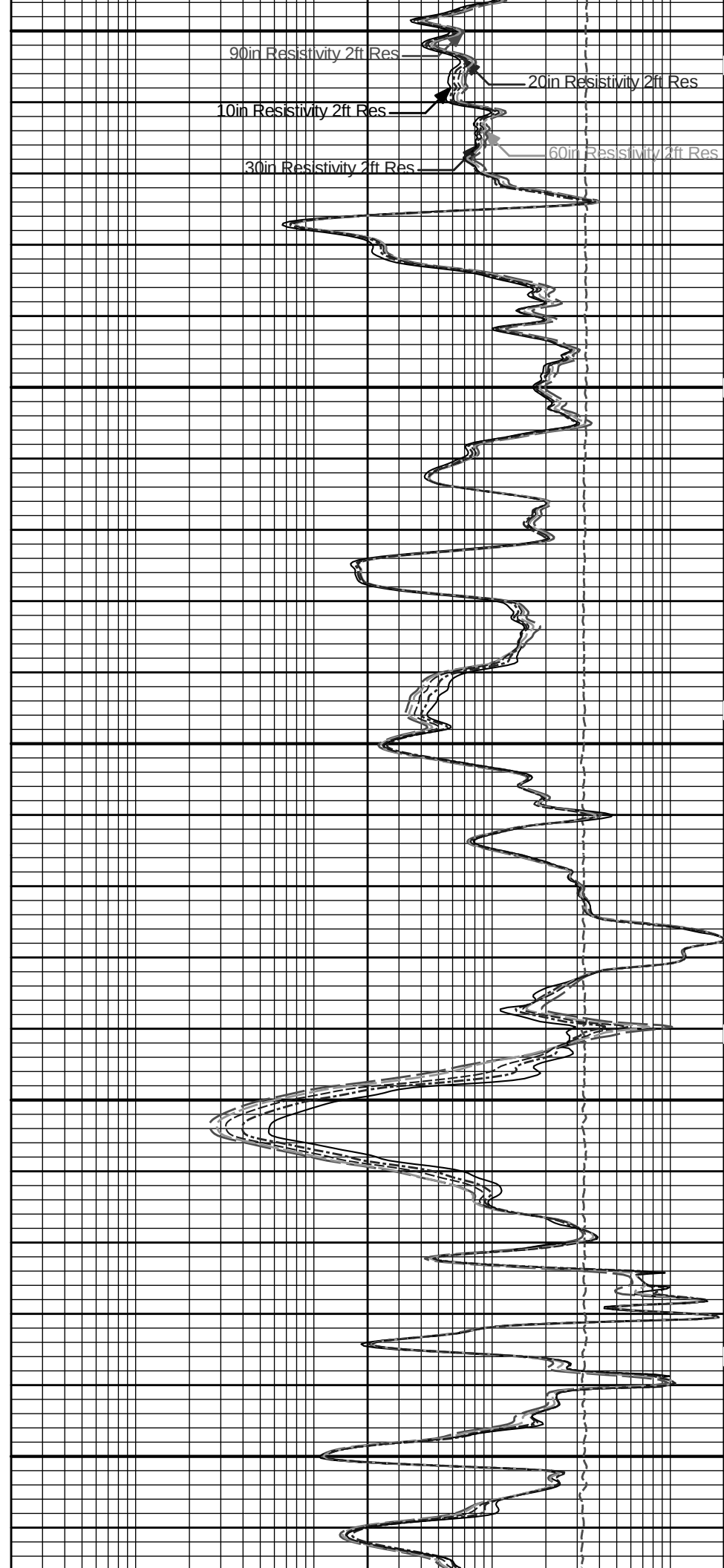
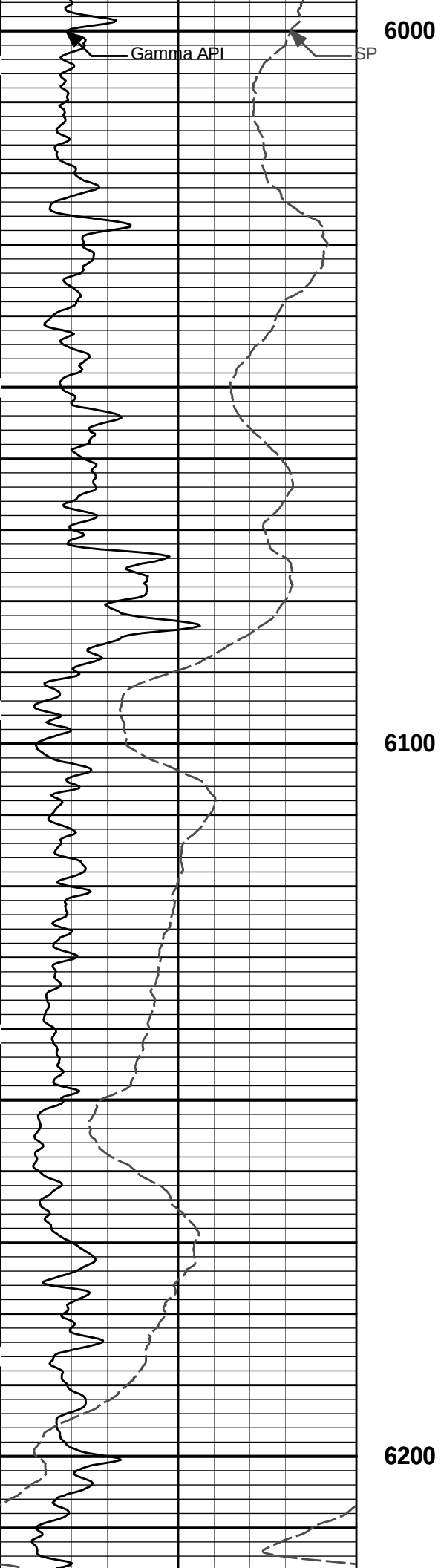
		0.2	90in Resistivity 2ft Res		2000
		ohmm			
		0.2	60in Resistivity 2ft Res		2000
		ohmm			
		0.2	30in Resistivity 2ft Res		2000
		ohm-metre			
		0.2	20in Resistivity 2ft Res		2000
		ohmm			
		0.2	10in Resistivity 2ft Res		2000
		ohmm			
SHALE Gamma API api SP -]20[+		1 : 240 ft	10K Tension pounds		0
		5700			

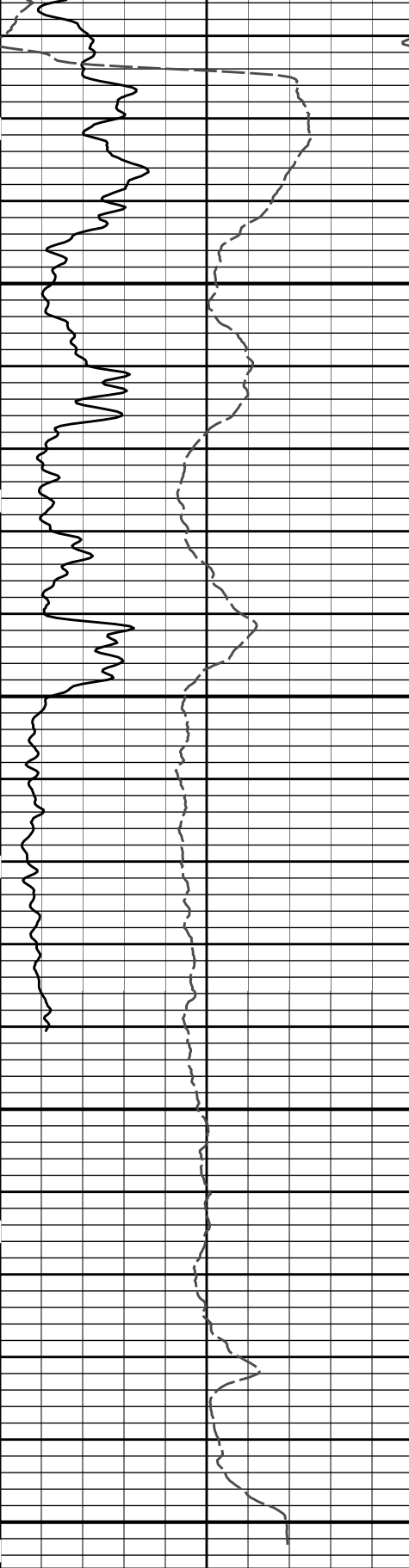


5800

5900

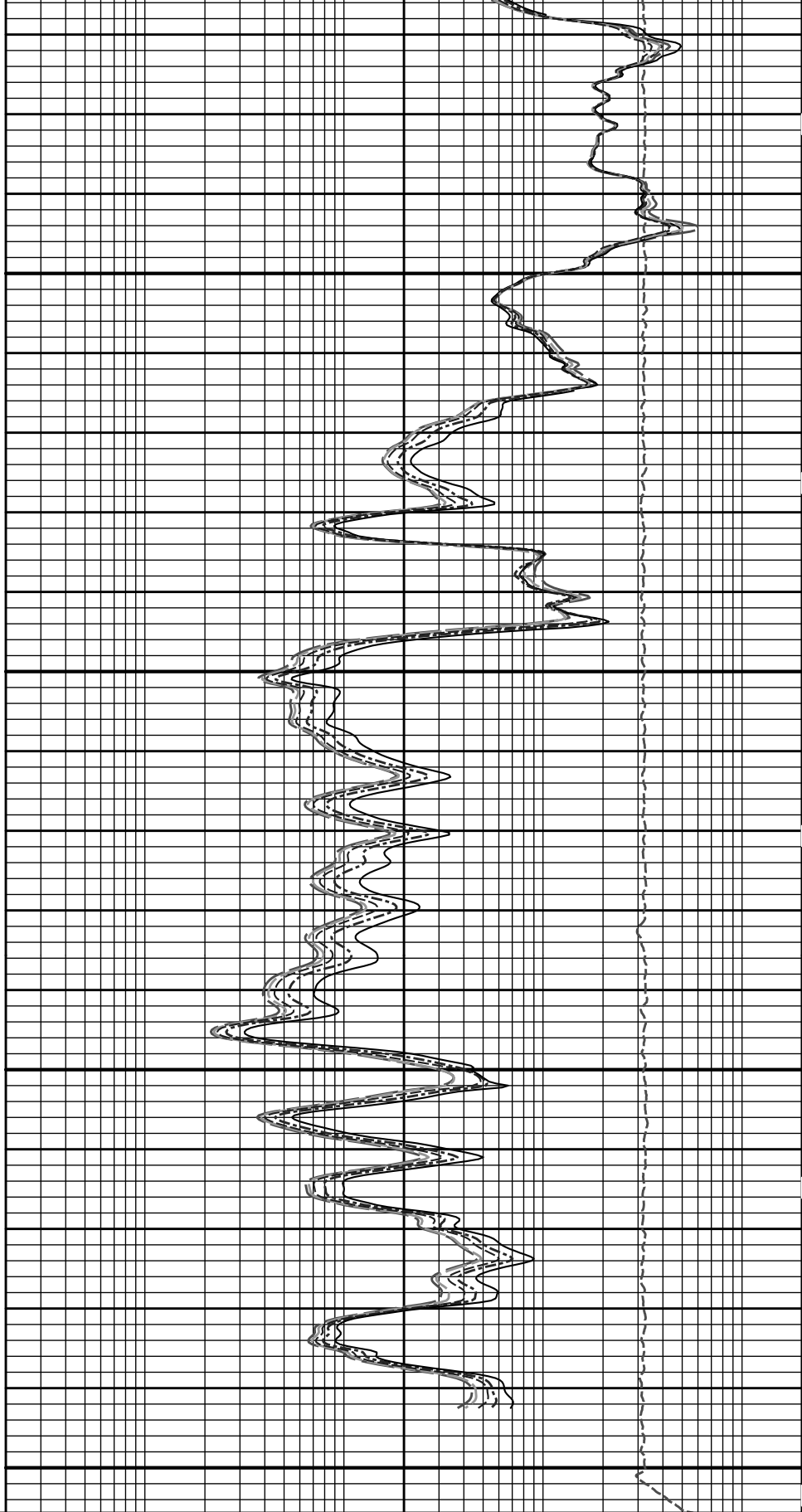






6300

6400



SP		
-]20[+		
0	Gamma API	150
api		
SHALE		

1 : 240 ft

10K	Tension	0
pounds		
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
		ohmm	
	0.2	90in Resistivity 2ft Res	2000
		ohmm	

HALLIBURTON

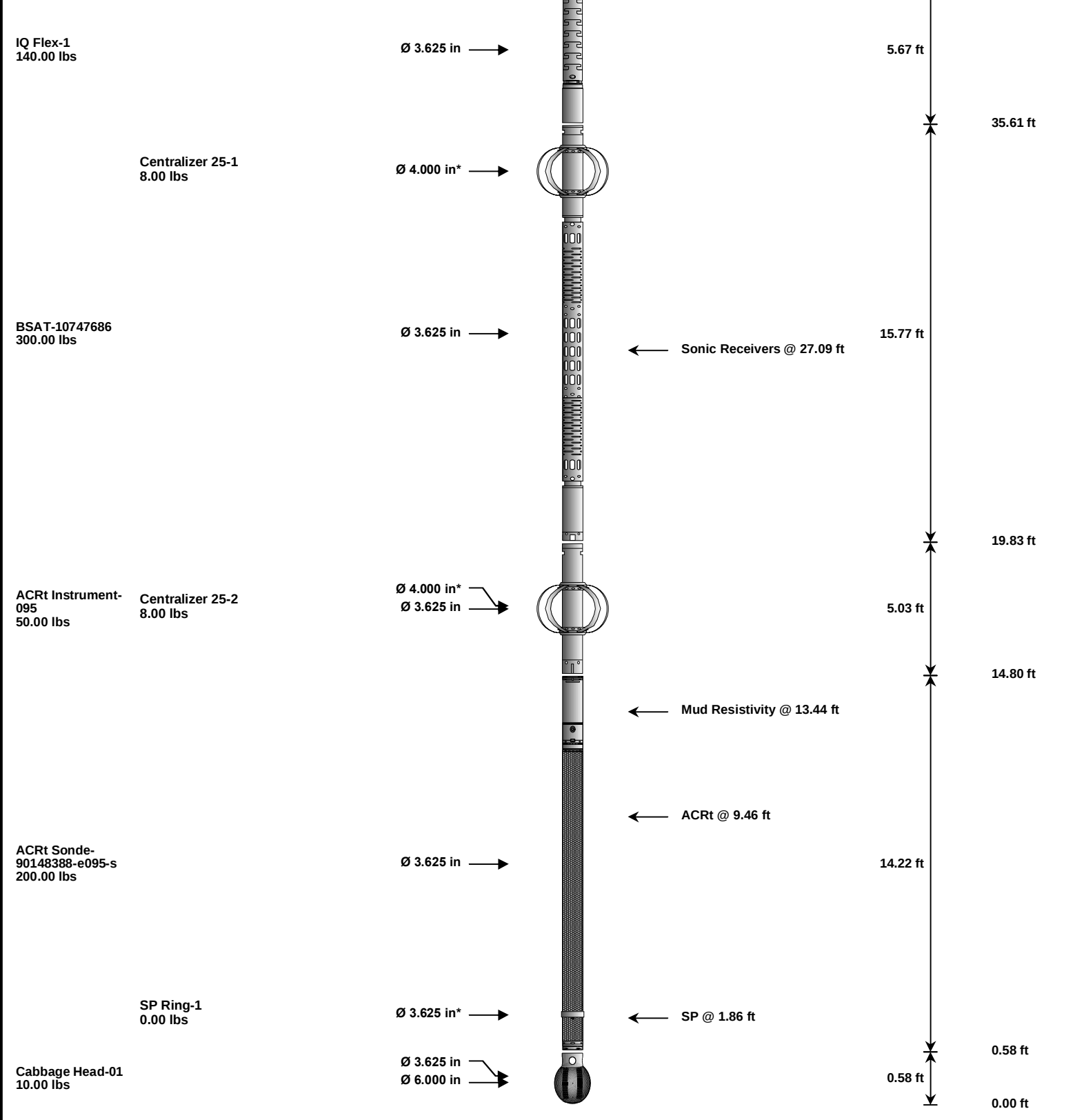
Plot Time: 01-May-12 17:00:51
Plot Range: 5640 ft to 6405.67 ft
Data: STANFORD_C_2\Well Based\REPEAT\
Plot File: \\-LOCAL-STANFORD_C_2\0001 GTET-BSAT-FLEX-DSNT-SDLT-ACRT-CBGHD\ACRT\ACRT_5_repeat_lib

REPEAT SECTION

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 @ 72.30 ft	3.03 ft	73.32 ft
GTET-11021138 165.00 lbs		Ø 3.625 in →		← GammaRay @ 64.23 ft	8.52 ft	70.30 ft
DSNT-11023947 174.00 lbs	DSN Decentralizer- PROT01 6.60 lbs	Ø 5.000 in* → Ø 3.625 in →		← DSN Far @ 54.84 ft ← DSN Near @ 54.09 ft	9.69 ft	61.78 ft
SDLT- I947M315P774 360.00 lbs	SDLT Pad-I947M315P774 65.00 lbs Microlog Pad- I947M315P774 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	52.09 ft
						41.28 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	70.30	300.00
GTET	Gamma Telemetry Tool	11021138	165.00	8.52	61.78	60.00
DSNT	Dual Spaced Neutron	11023947	174.00	9.69	52.09	60.00
DCNT	DSN Decentralizer	PROT01	6.60	5.13	* 55.42	300.00
SDLT	Spectral Density Tool	I947M315P774	360.00	10.81	41.28	60.00
SDLP	Density Insite Pad	I947M315P774	65.00	2.55	* 43.49	60.00
MICP	Microlog Pad	I947M315P774	8.00	1.00	* 43.78	60.00
IQF	IQ Flex tool	1	140.00	5.67	35.61	300.00
BSAT	Borehole Sonic Array Tool	10747686	300.00	15.77	19.83	60.00
OBCEN	Centralizer - 25 in. Overbody	1	8.00	2.08	* 32.82	300.00
ACRt	Array Compensated True Resistivity Instrument Section	095	50.00	5.03	14.80	300.00
OBCEN	Centralizer - 25 in. Overbody	2	8.00	2.08	* 16.30	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	300.00
CBHD	Cabbage Head	01	10.00	0.58		0.00	300.00
Total			1,532.10	73.32			
* Not included in Total Length and Length Accumulation.							
Data: STANFORD_C_2I0001 GTET-BSAT-FLEX-DSNT-SDLT-ACRT-CBGHDWIDLE						Date: 01-May-12 13:21:38	

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION			
Tool Name:	GTET - 11021138	Reference Calibration Date:	22-Apr-12 21:03:46
Engineer:	BOMAR	Calibration Date:	22-Apr-12 21:06:30
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	73.1	73.3	api
Background + Calibrator	310.4	311.4	api
Calibrator	237.3	238.1	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION			
Tool Name:	GTET - 11021138	Reference Calibration Date:	22-Apr-12 21:06:30
Engineer:	C. MARLOWE	Calibration Date:	01-May-12 13:00:32
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	73.3	72.9	api
Background + Calibrator	311.4	307.5	api
Calibrator	238.1	234.5	api
Shop	Field	Difference	Tolerance
238.1	234.5	3.6	+/- 9.00

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION			
Tool Name:	ACRt Sonde - 90148388-e095-s	Reference Calibration Date:	03-Jan-12 10:32:19
Engineer:	HOFKAMP	Calibration Date:	05-Apr-12 10:07:44
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	1.0407	1.05	0.95	1.0202	1.05	0.95	1.0097	1.05
A2 (50")	0.95	1.0426	1.05	0.95	1.0224	1.05	0.95	1.0143	1.05
A3 (29")	0.95	1.0472	1.05	0.95	1.0255	1.05	0.95	1.0152	1.05
A4 (17")	0.95	1.0561	1.05	0.95	1.0319	1.05	0.95	1.0229	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0160	1.05	0.95	1.0055	1.05
A6 (6")	N/A	N/A	N/A	0.95	1.0144	1.05	0.95	1.0038	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	1.559	2	-6	-4.588	-2	-8	-5.719	-2
A2 (50")	-7	1.289	-1	-6	-2.900	-2	-7	-5.669	-2
A3 (29")	-27	-13.036	-9	-9	-3.871	-3	-7	-4.030	-1
A4 (17")	-180	-95.001	-60	-45	-29.016	-15	-39	-24.719	-13
A5 (10")	N/A	N/A	N/A	-150	-108.311	-50	-80	-49.470	-10
A6 (6")	N/A	N/A	N/A	175	328.534	525	90	165.861	270
TRANSMITTER CURRENT GAIN						R-MUD VERIFICATION			
Signal	Lower	R	Upper	Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)		
12K	0.6	0.8545	1.3	Mud Cell	0.95	0.996	1.05		
36K	1.0	1.3171	2.0						
72K	1.0	1.6050	2.0						
CALIBRATION SUMMARY									
Sensor		Shop	Field	Post	Difference	Tolerance	Units		
GTET-11021138									
Gamma Ray Calibrator		238.1	234.5	-----	3.6	+/- 9.00	api		
ACRt Sonde-90148388-e095-s									
Mud Cell		0.996	-----	-----	0.000	-----	ohm-m		
Data: STANFORD_C_2I0001 GTET-BSAT-FLEX-DSNT-SDLT-ACRT-CBGHDIDLE							Date: 01-May-12 15:25:37		
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			2.200	ohmm		
	SHARED	TRM	Temperature of Mud			110.0	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			6428.00	ft		
	SHARED	BHT	Bottom Hole Temperature			140.0	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 /								

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	1.80	ohmm
Rwa / CrossPlot	TMFR	Rmf Ref Temp	100.00	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	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
DSNT	DNTP	Temperature Correction Type	None	
DSNT	DPRS	DSN Pressure Correction Type	None	
DSNT	SHCO	View More Correction Options	No	
DSNT	UTVD	Use TVD for Gradient Corrections?	No	
DSNT	LHWT	Logging Horizontal Water Tank?	No	
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
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	
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	
BOTTOM				
Data: STANFORD_C_2I0001 GTET-BSAT-FLEX-DSNT-SDLT-ACRT-CBGHD\IDLE			Date: 01-May-12 15:23:37	

INPUTS, DELAYS AND FILTERS TABLE				
Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel				
TENS	Tension	0.00	NO	
CH_HOS				
DHTN	DownholeTension	0.00	BLK	0.000
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	
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	
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 Reference 12 KHz Real Signal	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	
TUDV	Upper Temperature Derivative	2.97	NO	
TLDV	Lower Temperature Derivative	2.97	NO	
TRBD	Receiver Board Temperature	2.97	NO	
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	
Microlog Pad				
TPUL	Tension Pull	44.28	NO	
MINV	Microlog Lateral	44.28	BLK	0.750
MNOR	Microlog Normal	44.28	BLK	0.750
SP Ring				
PLTC	Plot Control Mask	1.86	NO	
SP	Spontaneous Potential	1.86	BLK	1.250
SPR	Raw Spontaneous Potential	1.86	NO	
SPO	Spontaneous Potential Offset	1.86	NO	
Data: STANFORD_C_2I0001 GTET-BSAT-FLEX-DSNT-SDLT-ACRT-CBGHDNIDLE			Date: 01-May-12 15:23:51	

COMPANY	OXY USA, INC.		
WELL	STANFORD C-2		
FIELD	WILBURTON EAST		
COUNTY	MORTON	STATE	KANSAS
HALLIBURTON		ARRAY COMPENSATED TRUE RESISTIVITY LOG	

