

HALLIBURTON

ARRAY COMPENSATED TRUE RESISTIVITY LOG

COMPANY		OXY USA INC		
WELL		W.E. PREEDY #7		
FIELD		LEMON		
COUNTY		HASKELL		
STATE		KANSAS		
Permanent Datum		GL		
Log measured from		KB		
Drilling measured from		KB		
Date		29-Mar-12		
Run No.		ONE		
Depth - Driller		5731.00 ft		
Depth - Logger		5717.0 ft		
Bottom - Logged Interval		5707.0 ft		
Top - Logged Interval		1824.0 ft		
Casing - Driller		8.625 in @ 1832.0 ft		
Casing - Logger		1824.0 ft		
Bit Size		7.875 in @		
Type Fluid in Hole		WATER BASED MUD		
Density		9.5 ppq 49.00 s/qt		
PH		8.00 pH 10.0 cpqm		
Source of Sample		FLOWLINE		
Rm @ Meas. Temperature		0.650 ohmm @ 75.00 degF @		
Rmf @ Meas. Temperature		0.53 ohmm @ 60.00 degF @		
Rmc @ Meas. Temperature		0.790 ohmm @ 60.00 degF @		
Source Rmf		MEASURED MEASURED		
Rm @ BHT		0.80 ohmm @ 60.0 degF @		
Time Since Circulation		20.0 hr		
Time on Bottom		29-Mar-12 23:45		
Max. Rec. Temperature		142.0 degF @ 5717.0 ft @		
Equipment		10782954 LIBERAL		
Recorded By		J. BOLLOM		
Witnessed By		D. ADAM		
Sect. 33		Twp. 29S		Rge. 33W
Elev. 2959.0 ft		Elev. K.B. 2976.0 ft		D.F. 2975.0 ft
17.0 ft above perm. Datum		G.L. 2959.0 ft		
API No. 15-081-21956		Other Services: MICROLOG		BSAT
Location		SDLT, DSNT		

Fold here

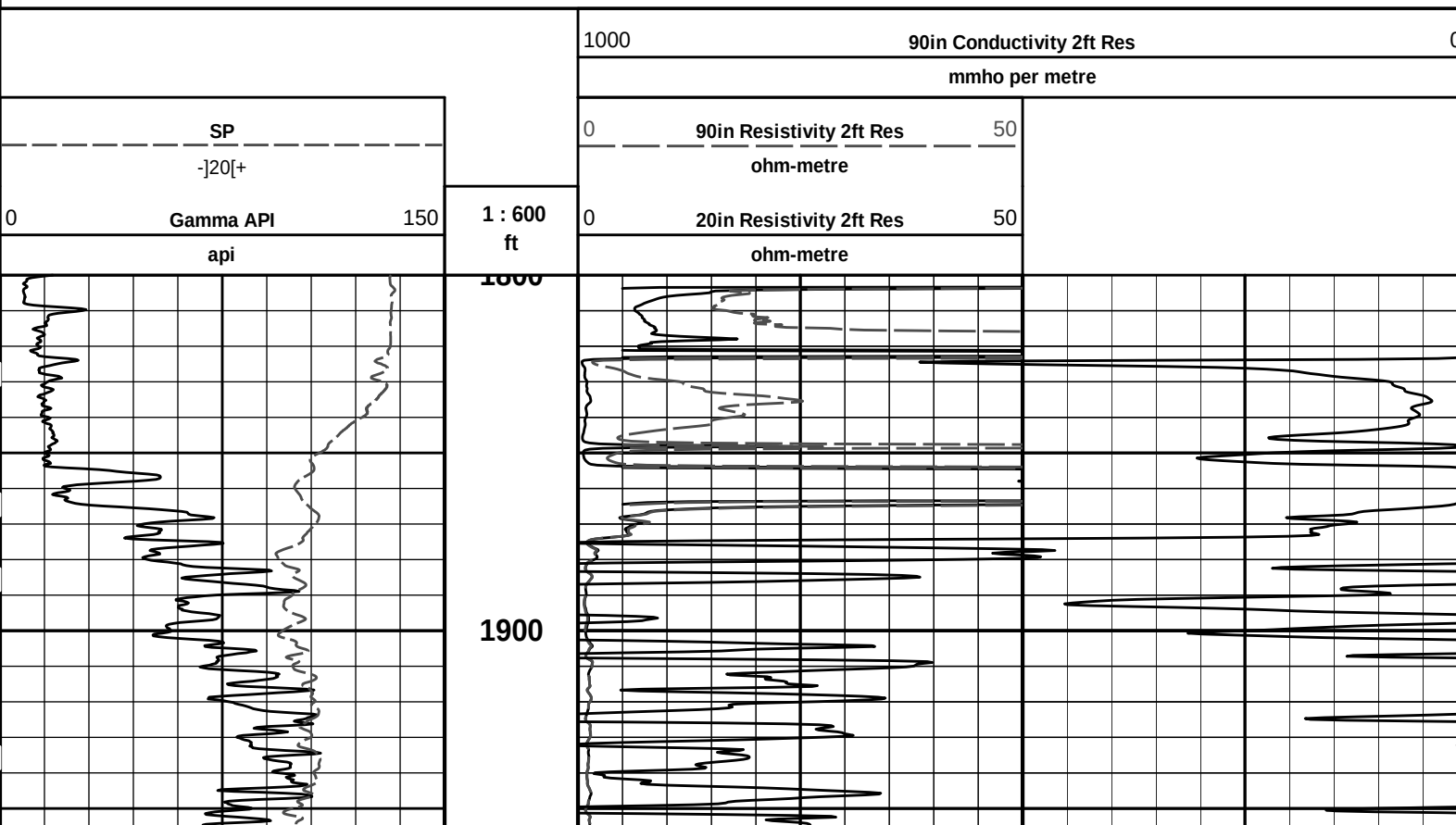
Service Ticket No.: 9371896				API Serial No.: 15-081-21956				PGM Version: WL INSITE R3.4.2 (Build 2)											
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE						RESISTIVITY SCALE CHANGES													
Date		Sample No.				Type Log		Depth		Scale Up Hole		Scale Down Hole							
Depth-Driller																			
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		N/A		1.5 S.O.		N/A					
Rmc @ Meas. Temp.		@		@				1776_S775											
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.		10811258		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.		GTET		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							
LOGGING DATA																			
GENERAL				GAMMA				ACOUSTIC				DENSITY				NEUTRON			

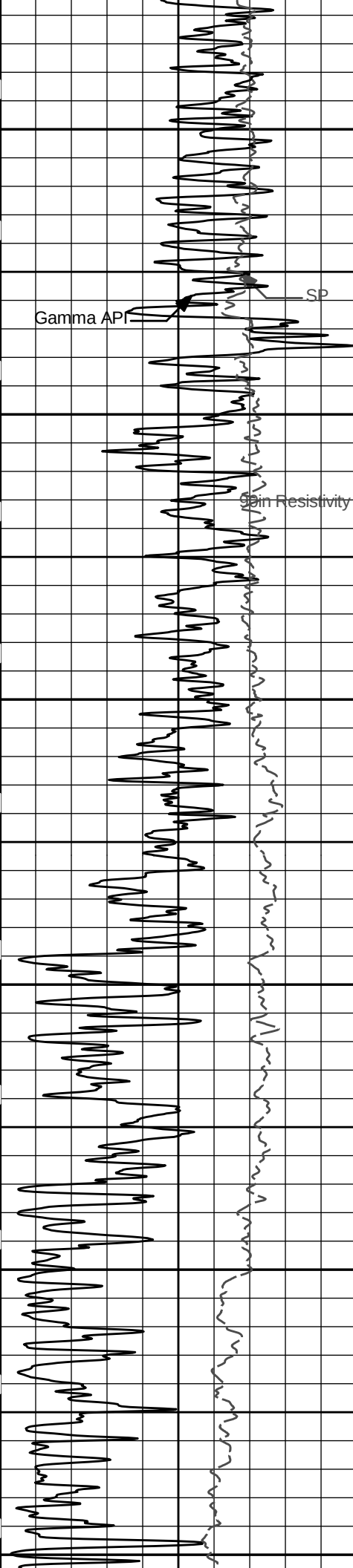
GENERAL			GAMMA		ACOUSTIC		DENSITY		NEUTRON					
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	5717	1824	REC	0	150									
DIRECTIONAL INFORMATION														
Maximum Deviation @								KOP @						
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5-INCH CASING														
POST TOOL SURVEYS NOT PERFORMED AS PER CUSTOMER REQUEST														
CHLORIDES REPORTED AT 3000 MG/L														
LCM REPORTED AT TRACE AMOUNTS														
TODAY'S CREW: F. VILLA & B. TERREL														
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.														
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Plot Time: 30-Mar-12 02:42:40
Plot Range: 1800 ft to 5720.75 ft
Data: W_E_PREEDY_7\Well Based\CASING\
Plot File: \\LOCAL-I\W_E_PREEDY_7\0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHI\ACRT\ACRT_2_lib

2 INCH MAIN LOG





2000

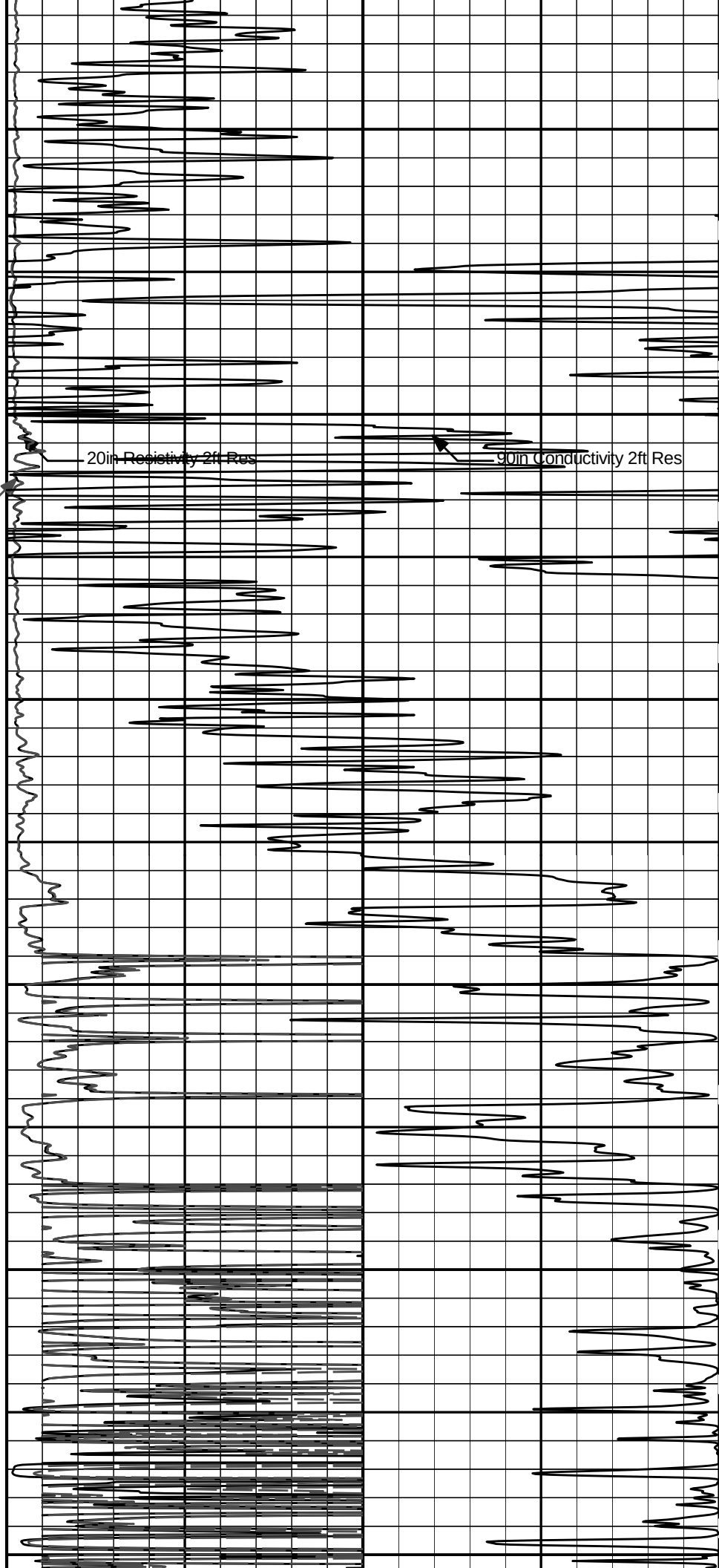
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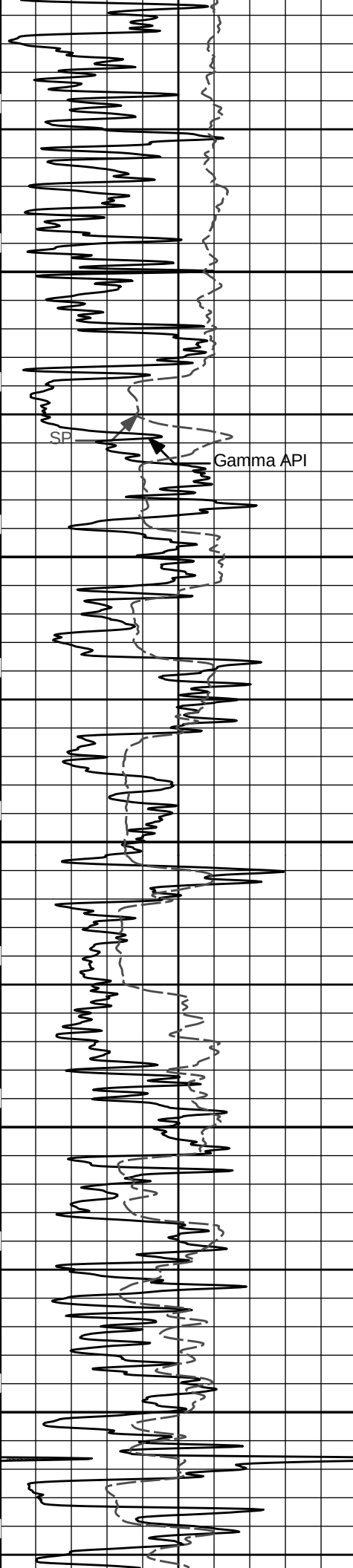
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2300

2400

2500





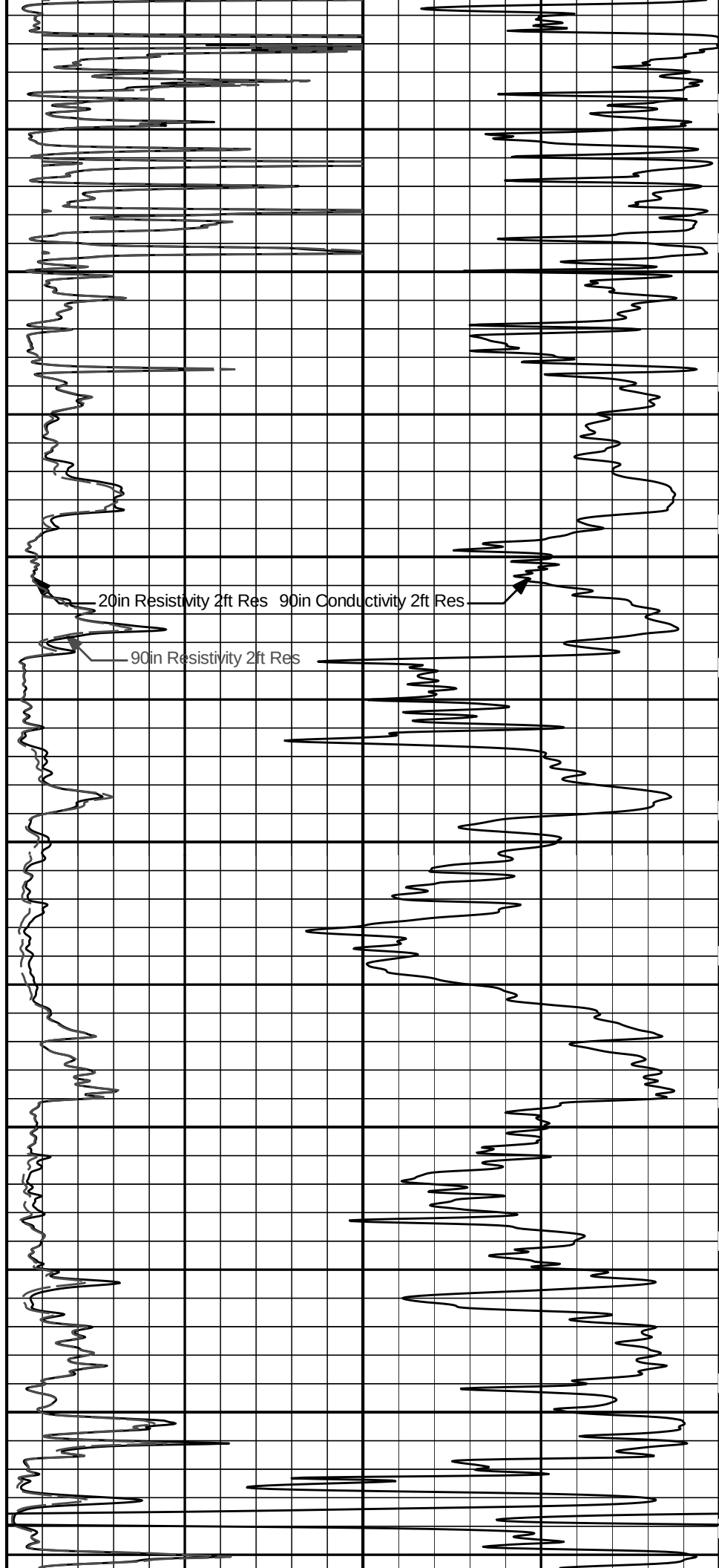
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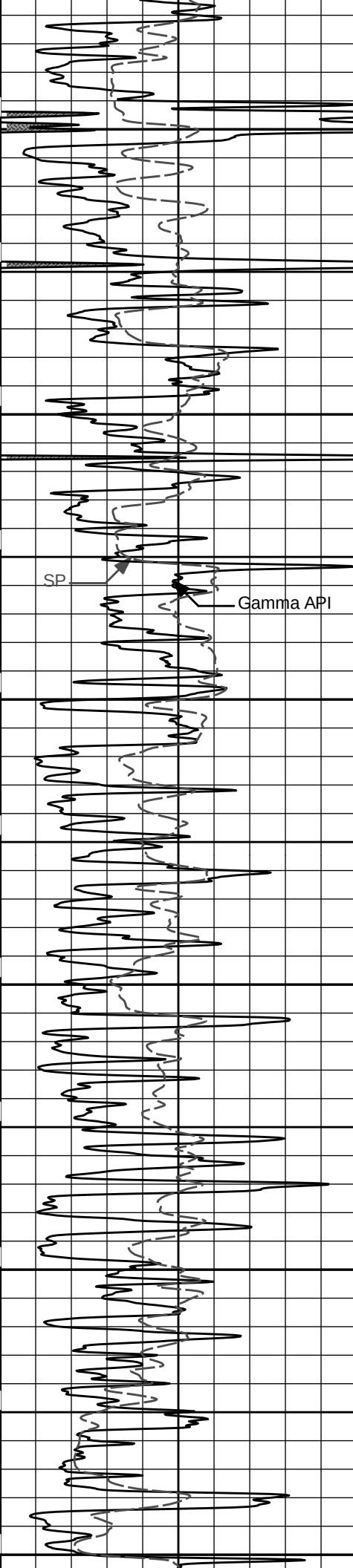
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2800

2900

3000





3100

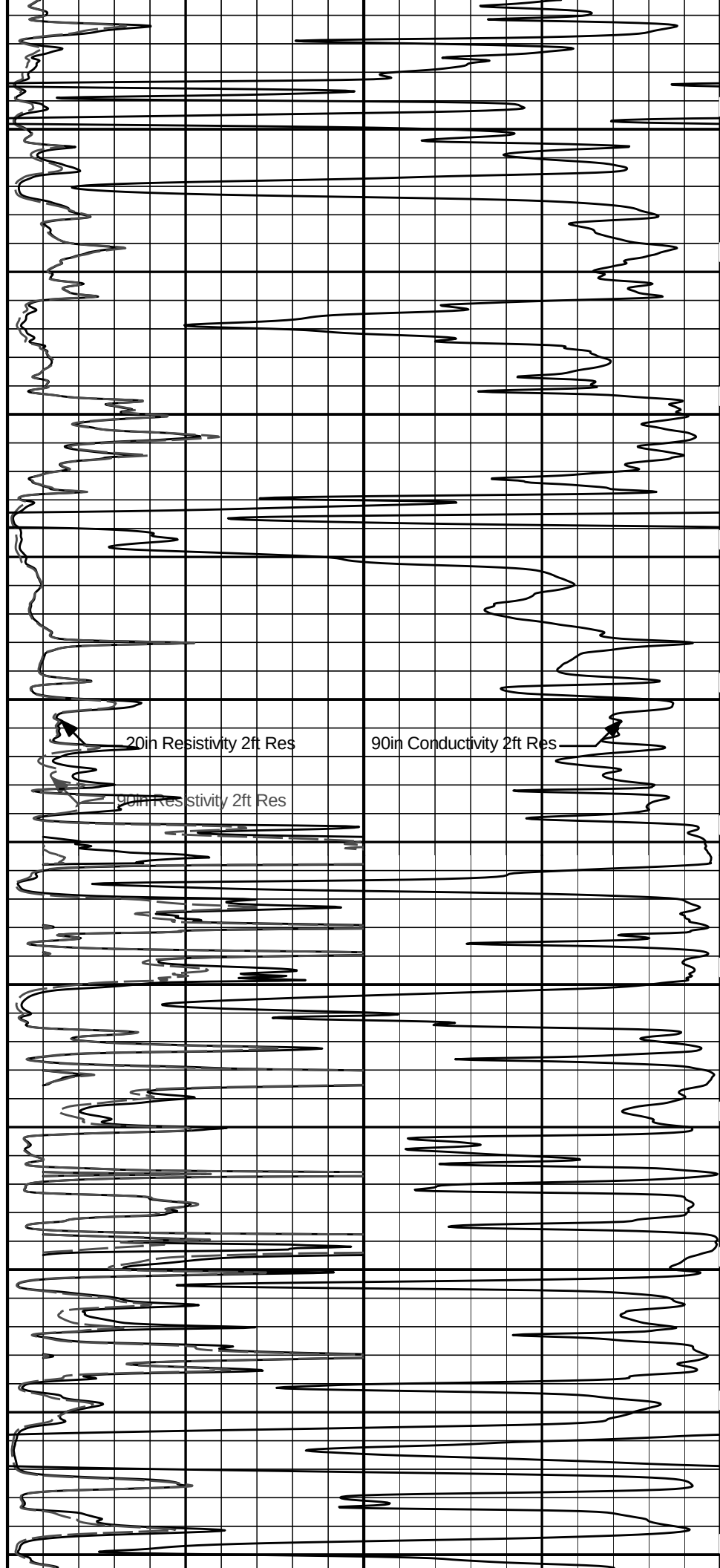
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3300

3400

3500

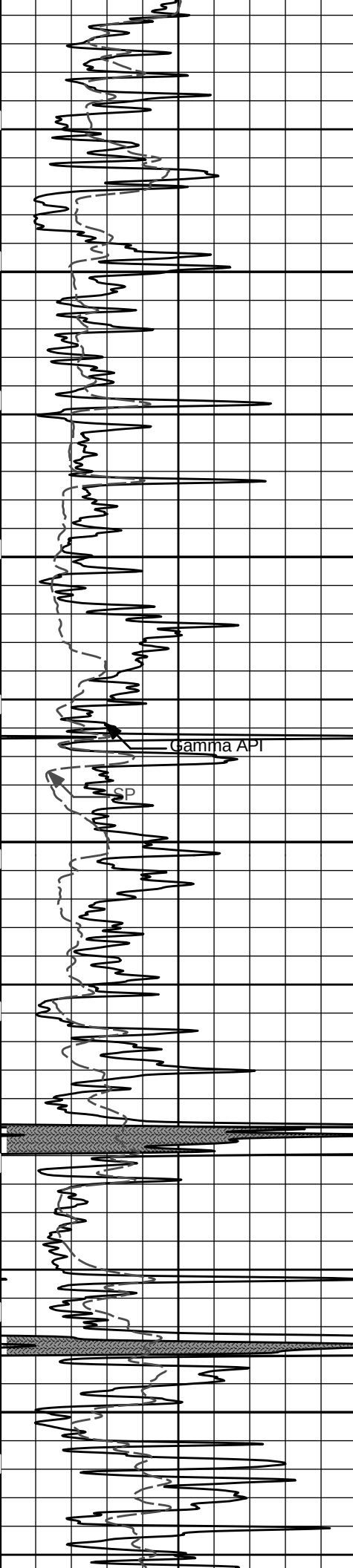
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20in Resistivity 2ft Res

90in Conductivity 2ft Res

90in Resistivity 2ft Res



3700

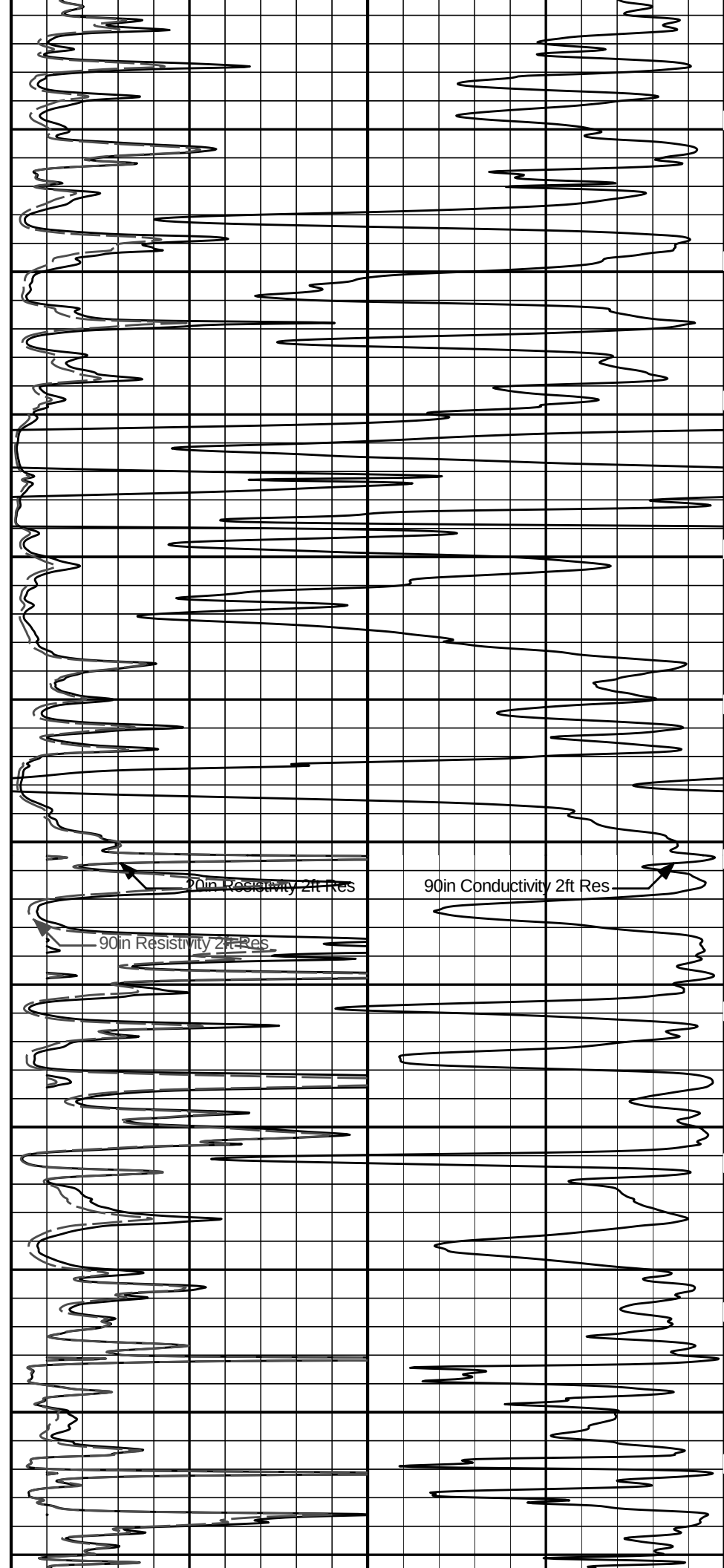
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3900

4000

4100

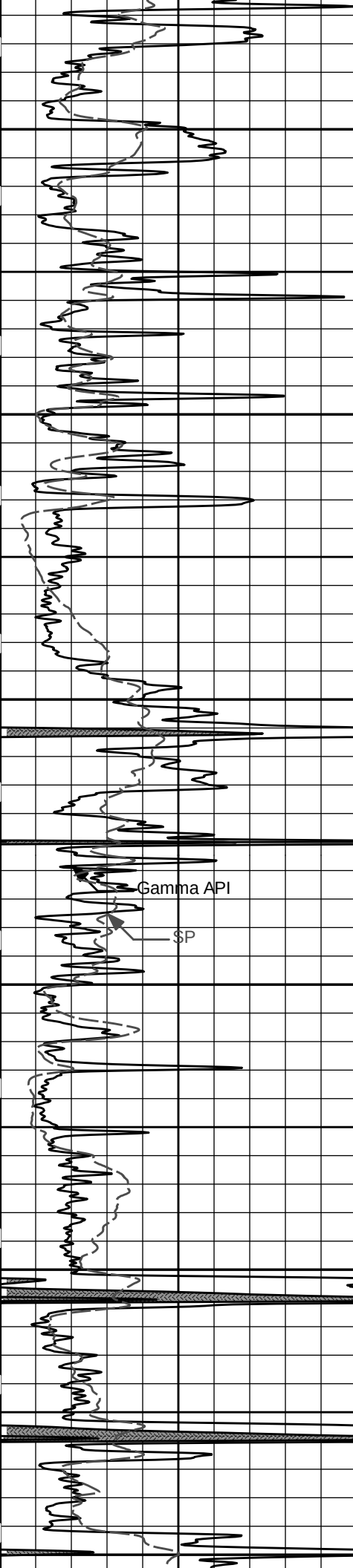
Gamma API



20in Resistivity 2ft Res

90in Conductivity 2ft Res

90in Resistivity 2ft Res



4200

4300

4400

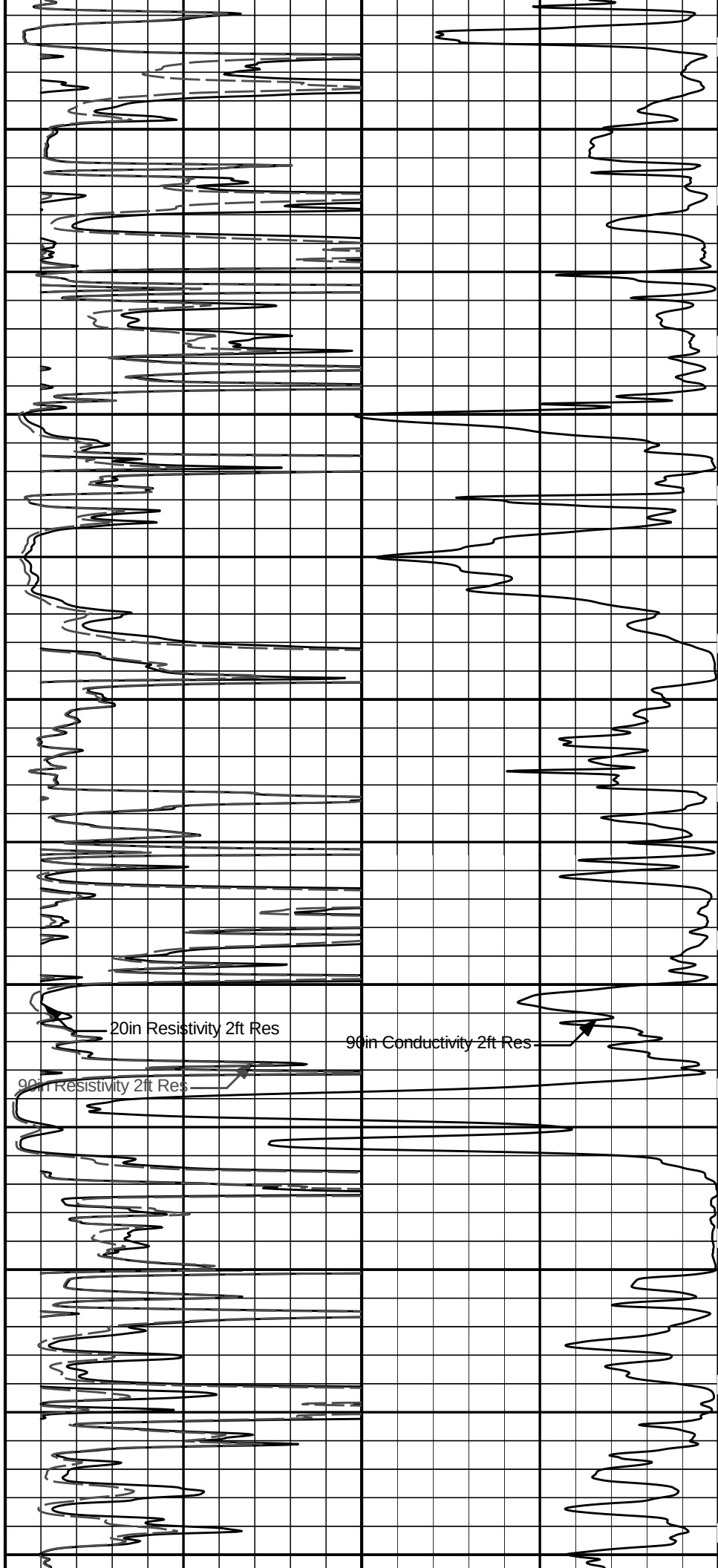
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4600

4700

Gamma API

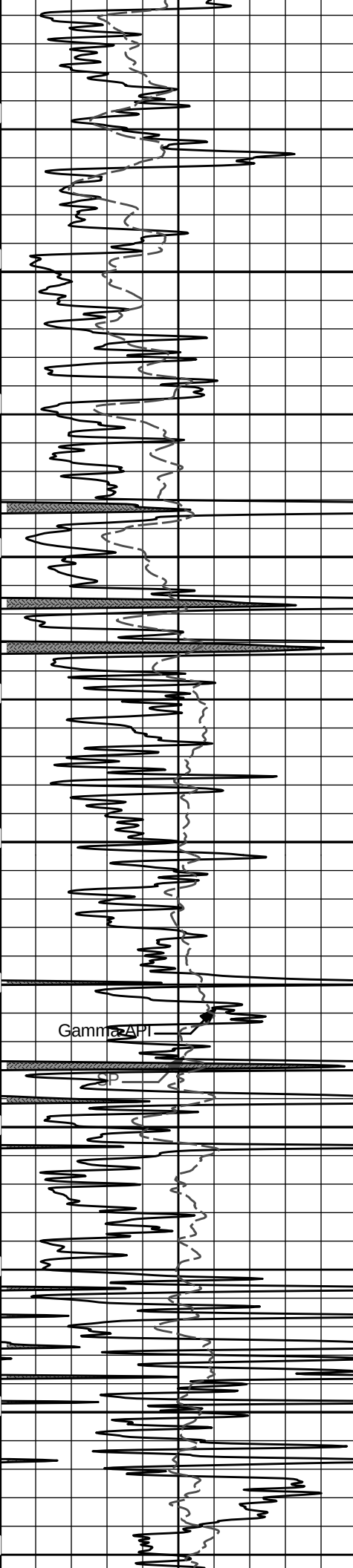
SP



20in Resistivity 2ft Res

90in Conductivity 2ft Res

90in Resistivity 2ft Res



4800

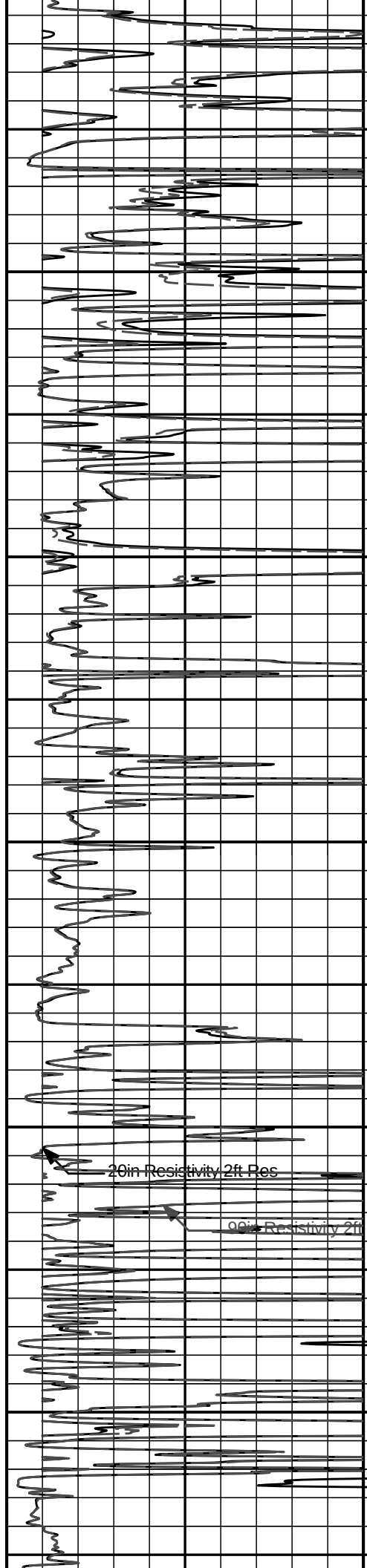
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5000

Gamma API

5100

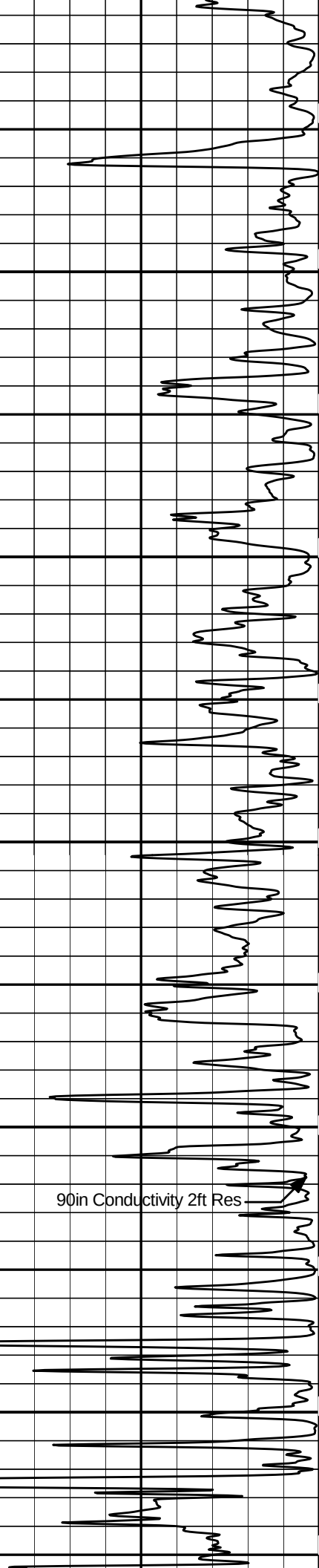
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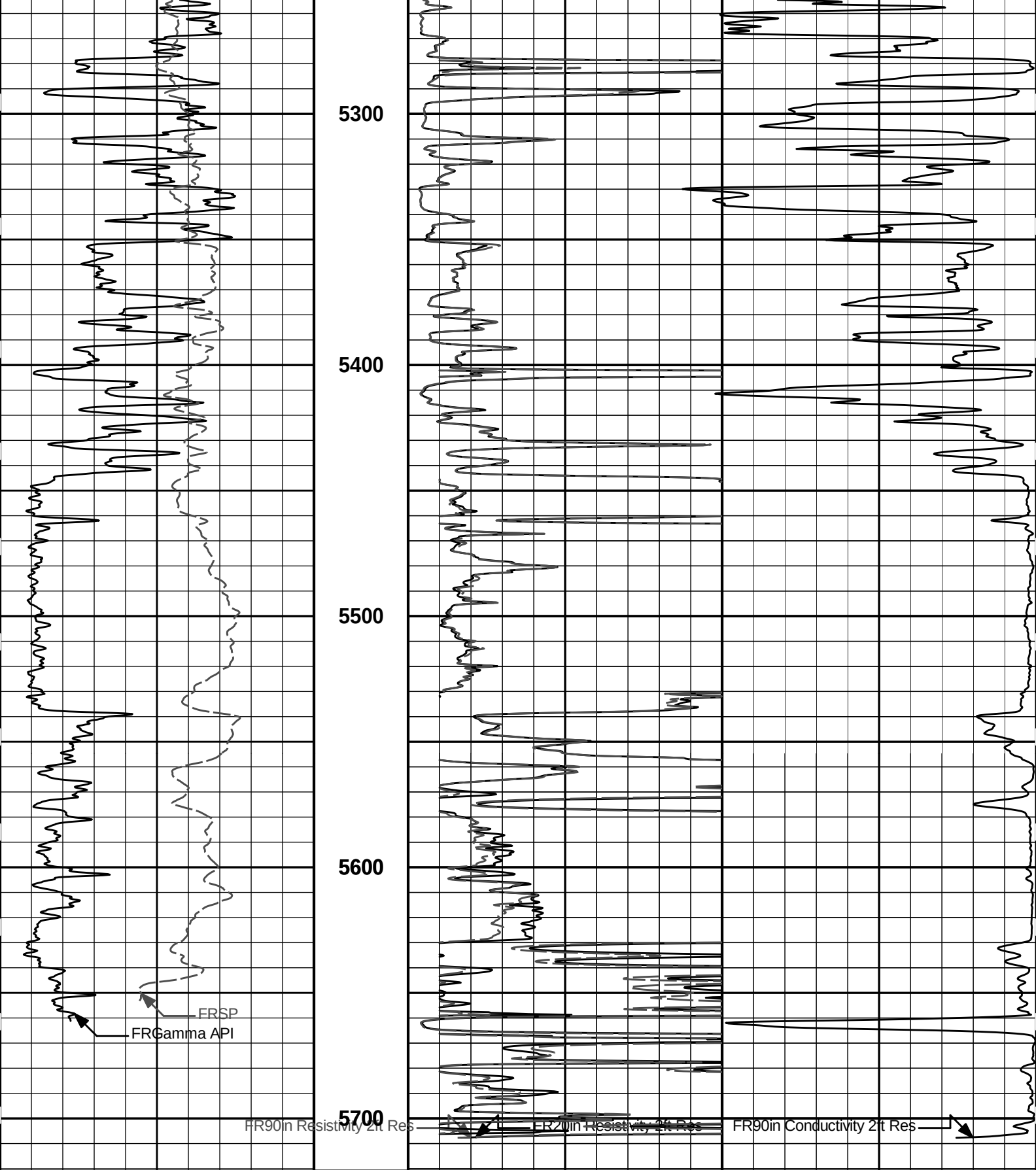


20in Resistivity 2ft Res

90in Resistivity 2ft Res

90in Conductivity 2ft Res





0	Gamma API	150	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		

2 INCH MAIN LOG

HALLIBURTON

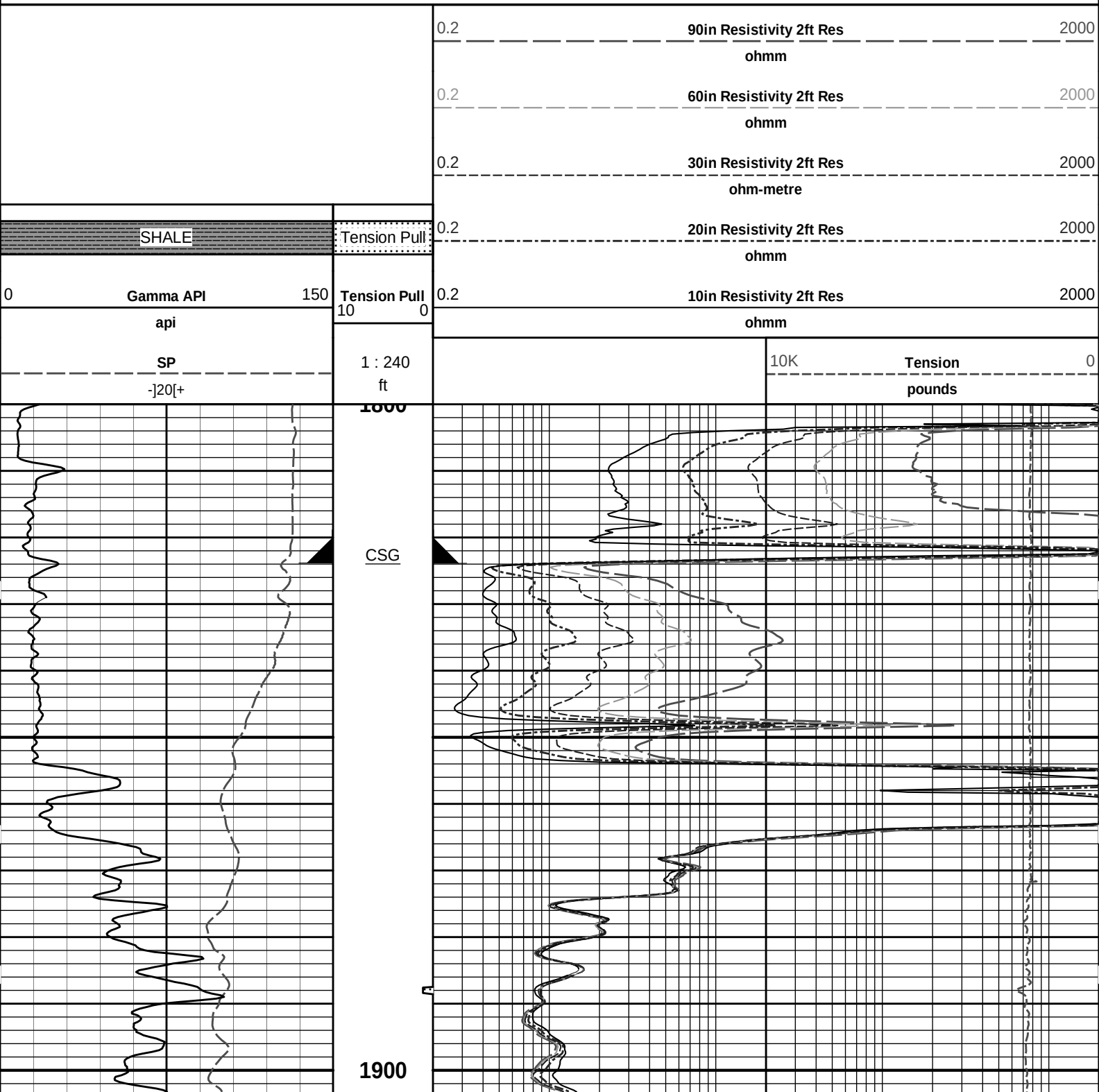
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Plot File: \\-LOCAL-W_E_PREEDY_7\0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CH\ACRT\ACRT_5_main_lib

5 INCH MAIN LOG





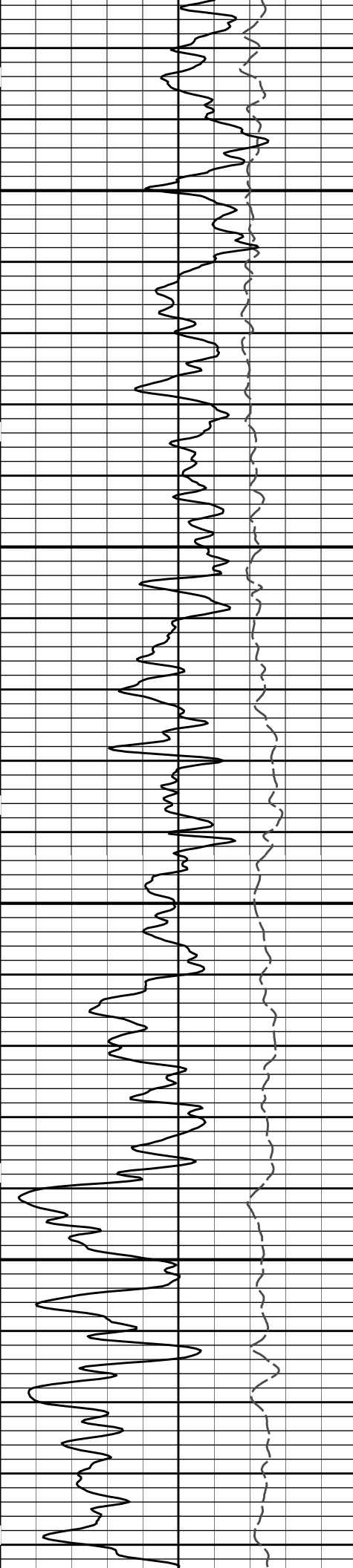
2000

2100

20in Resistivity 2ft Res

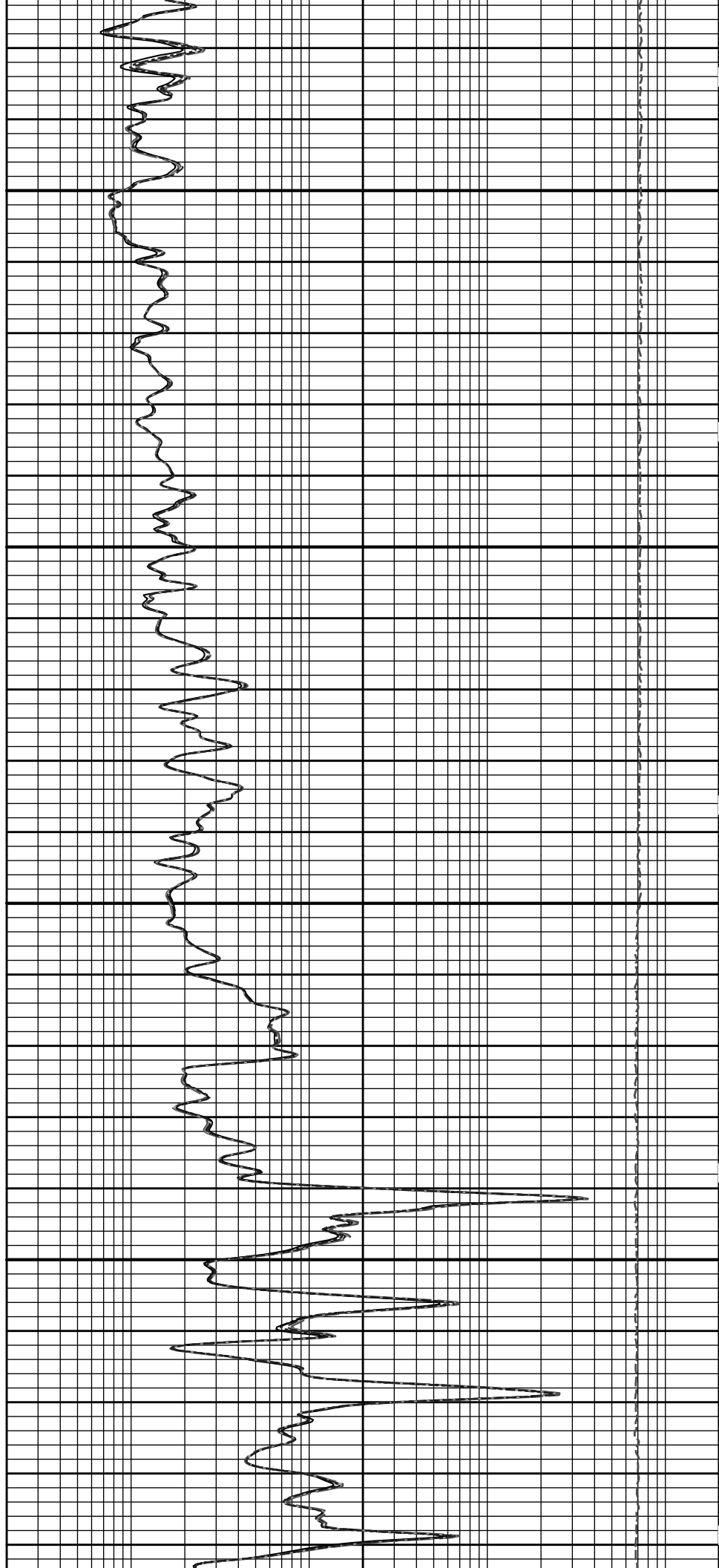
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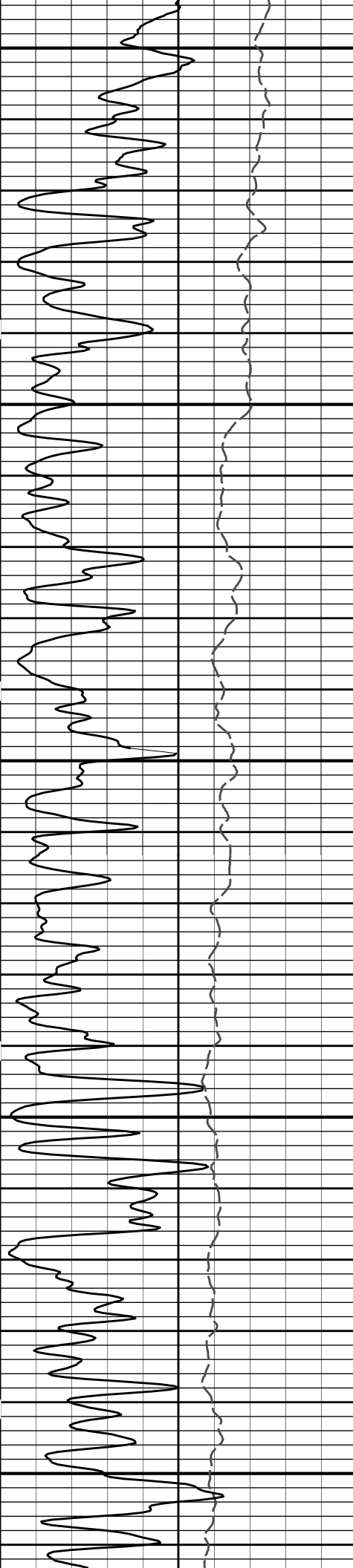
10in Resistivity 2ft Res



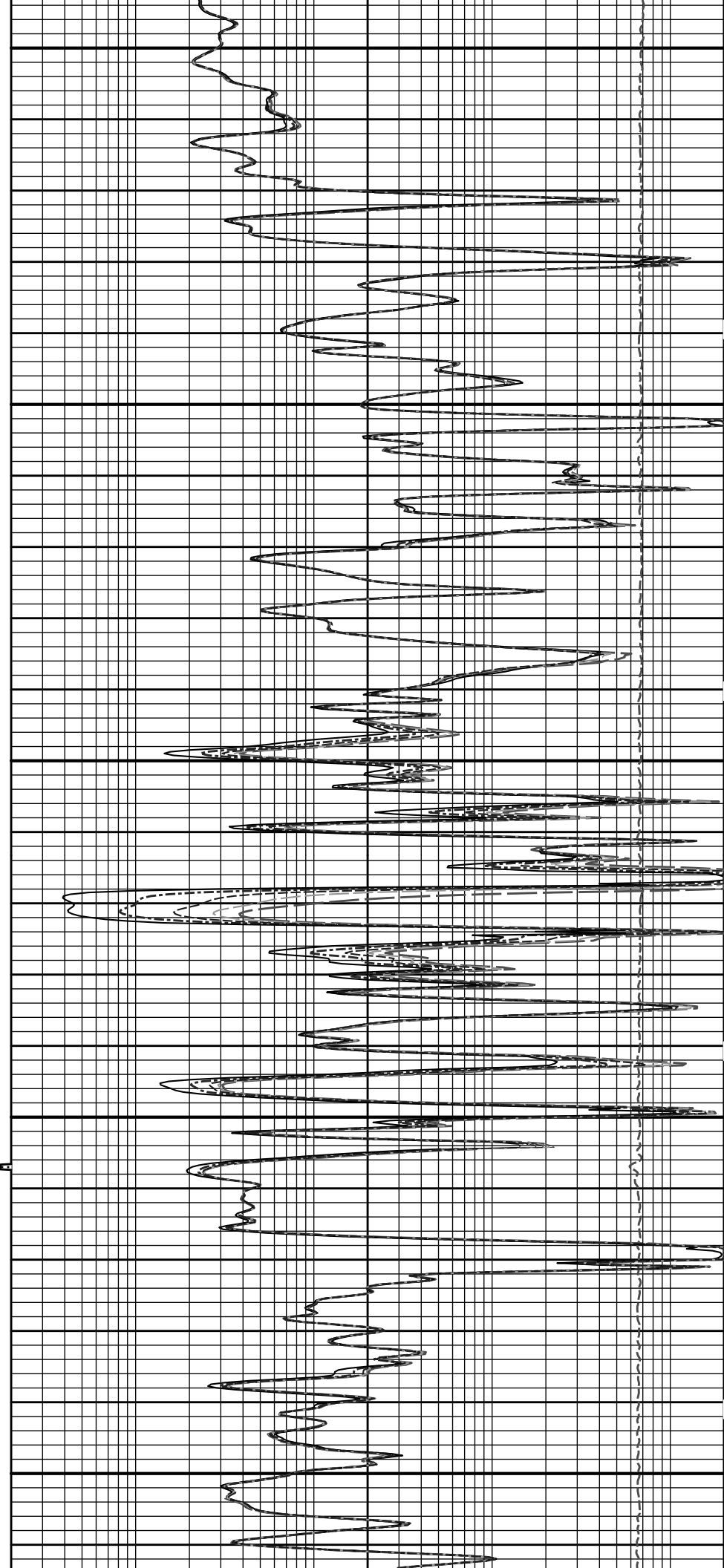
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2300



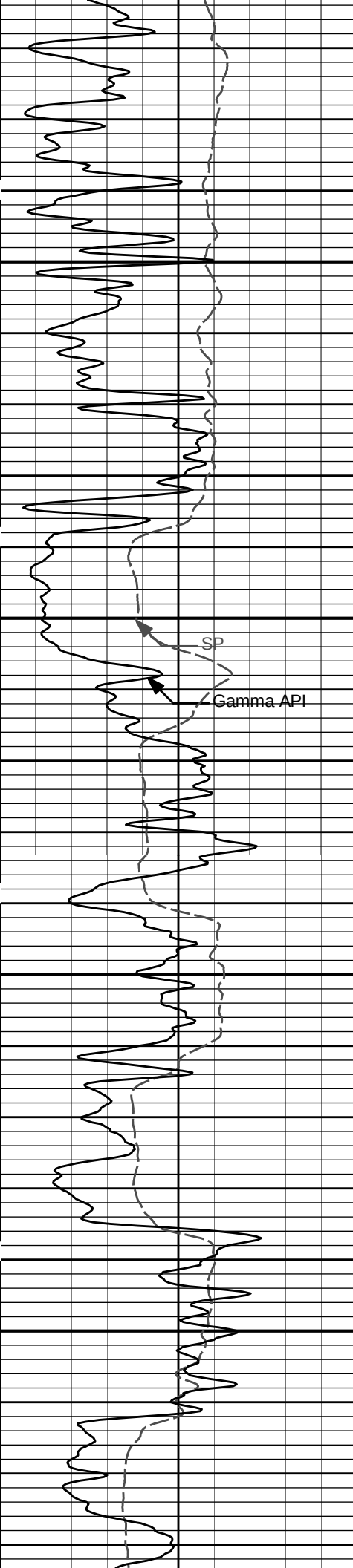


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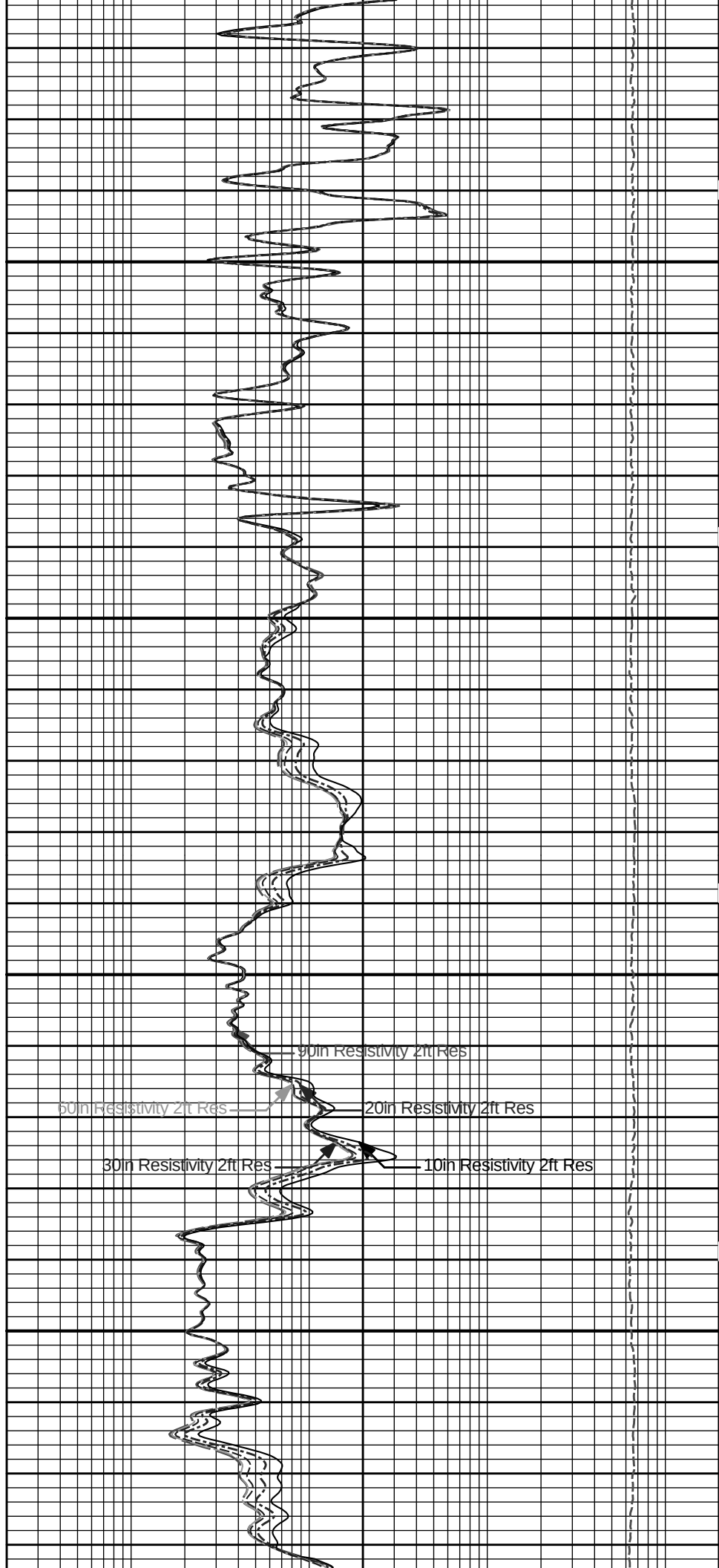
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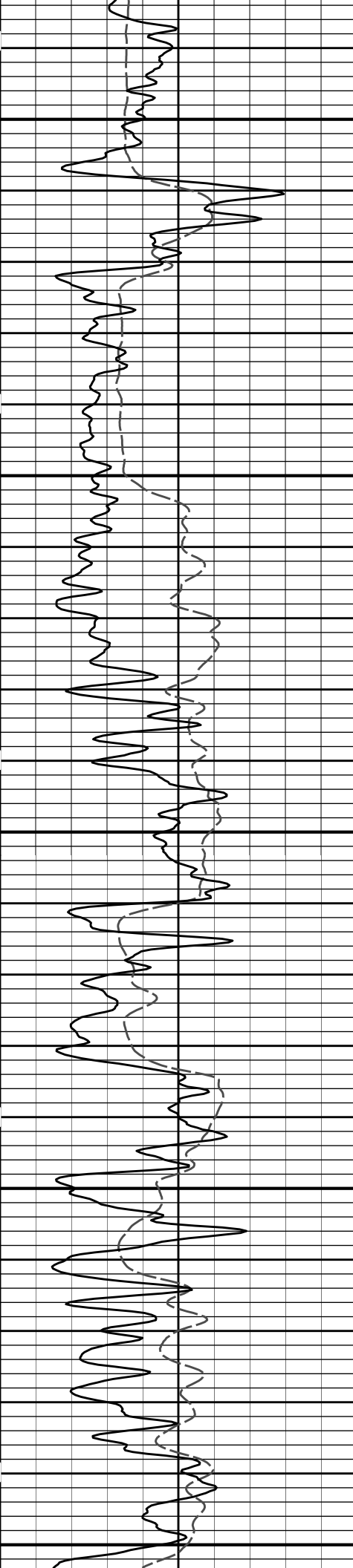
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2600

2700

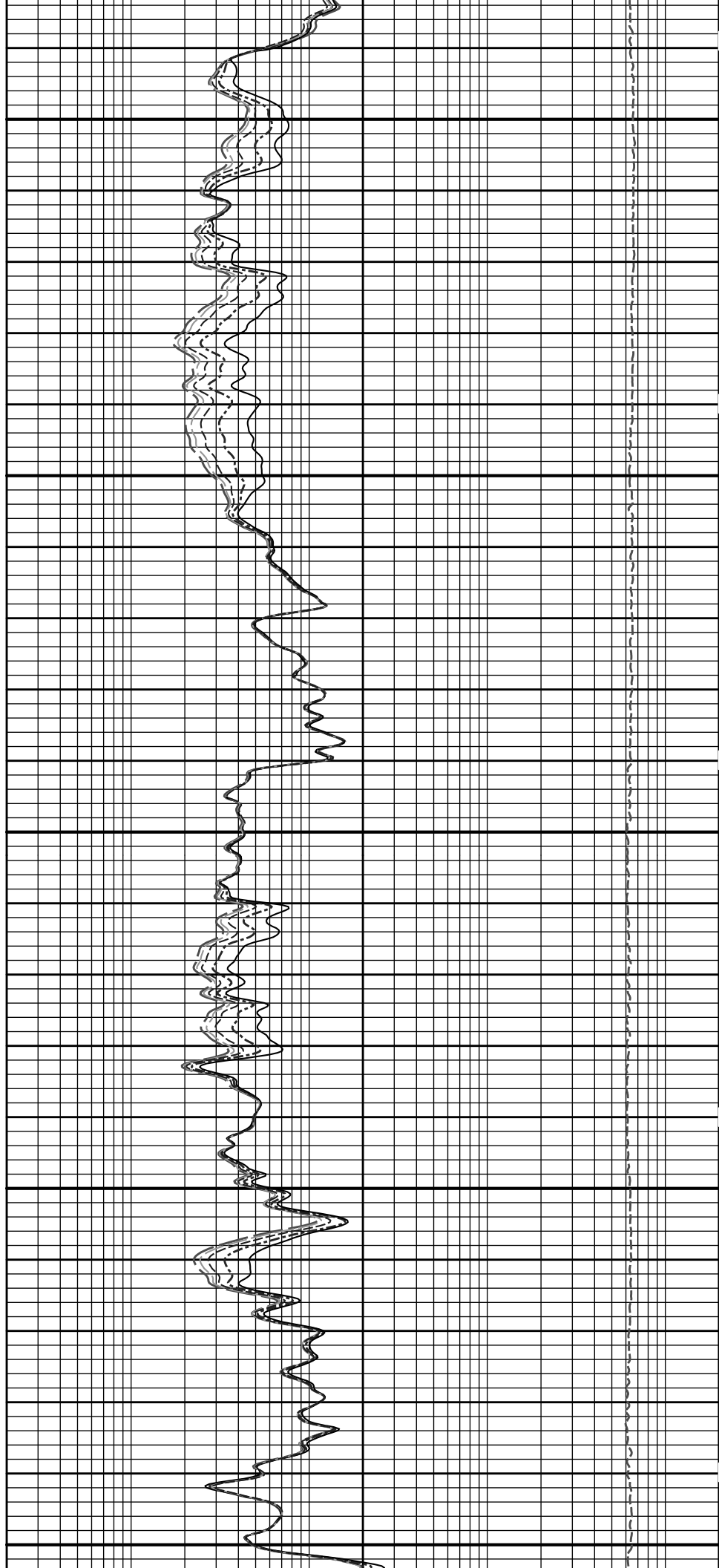


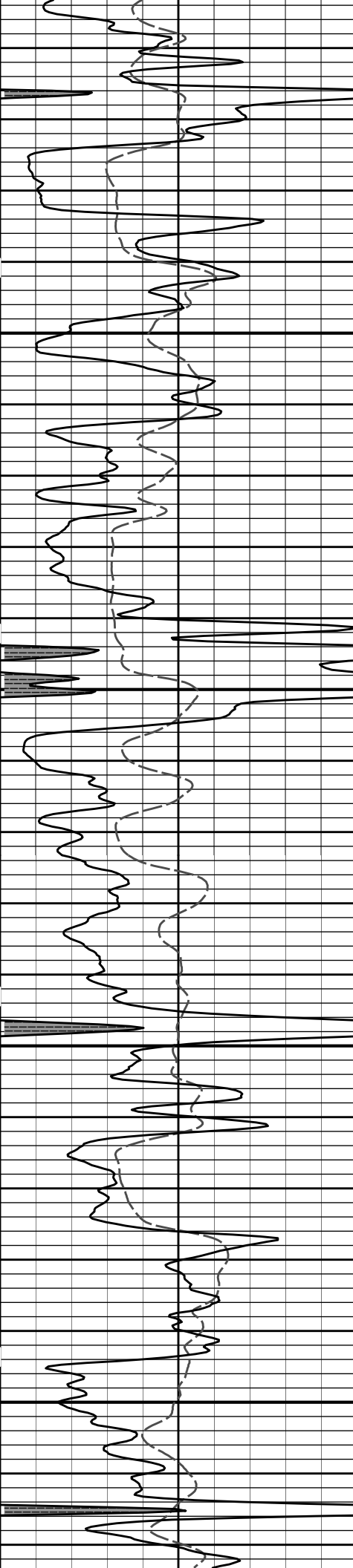


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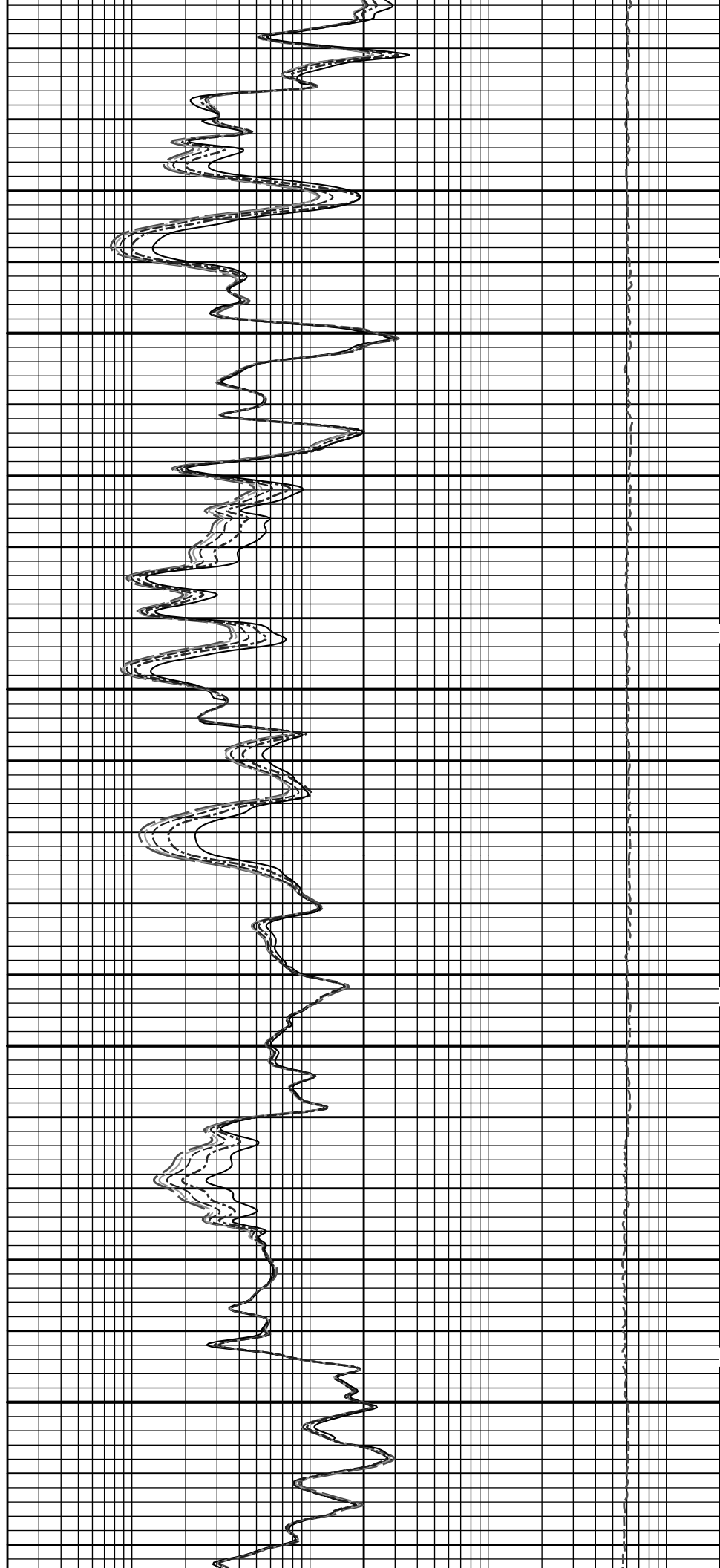
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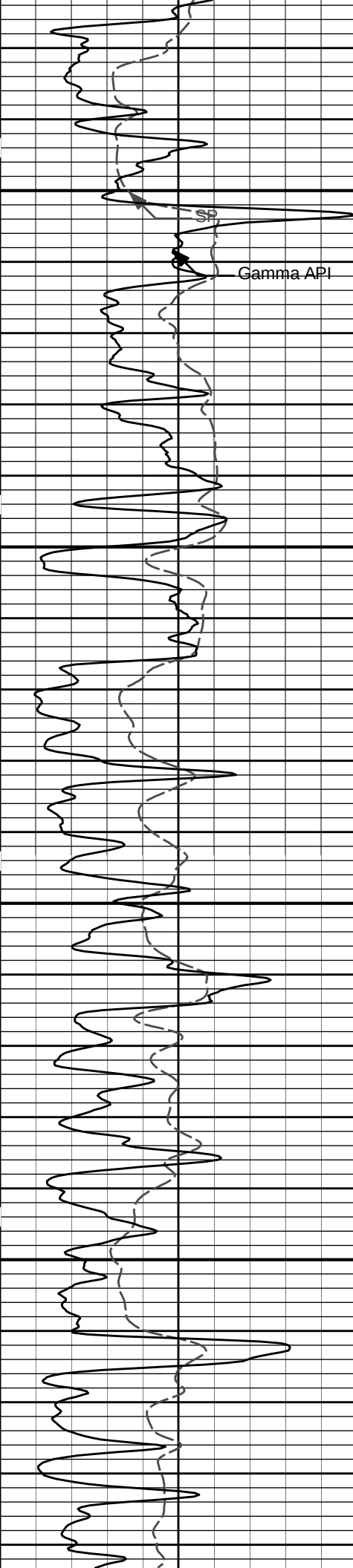




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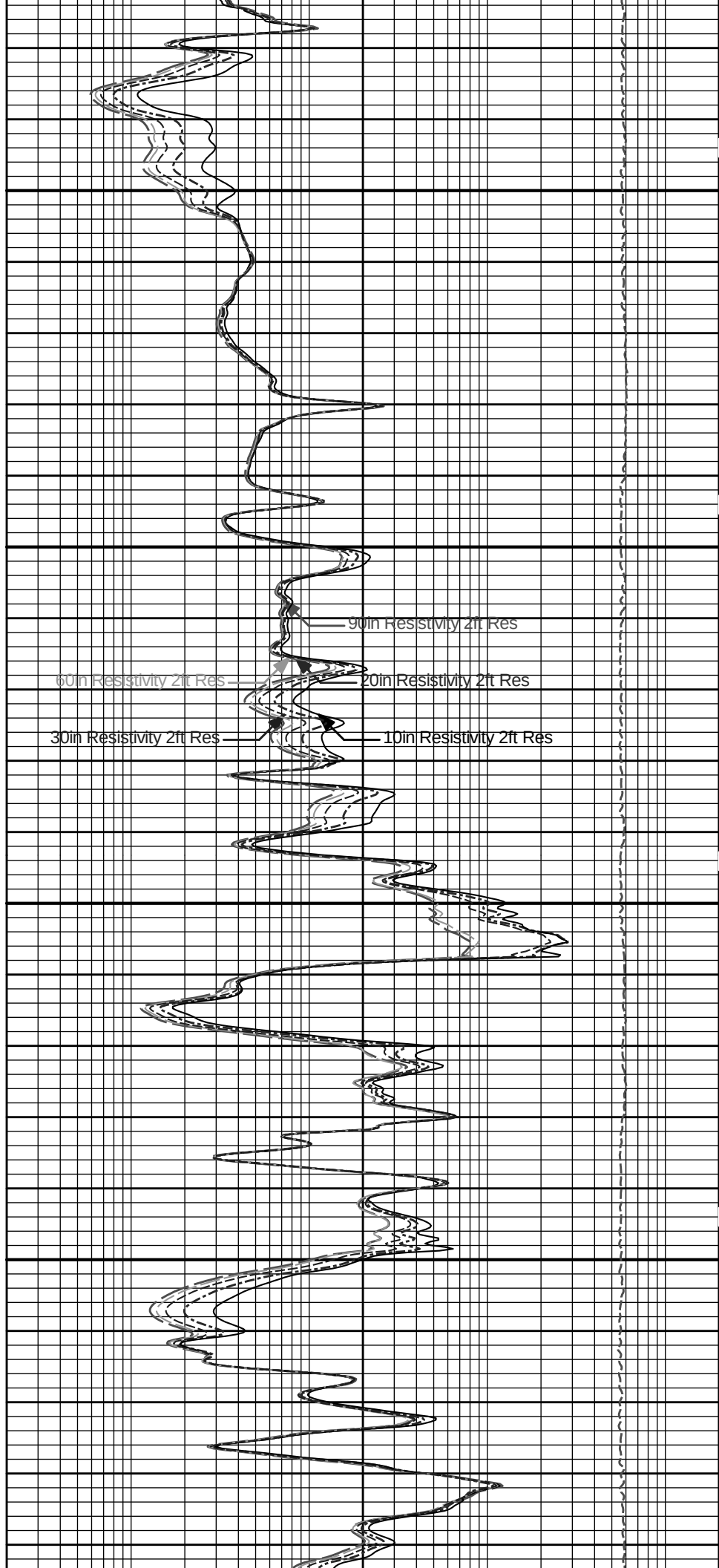
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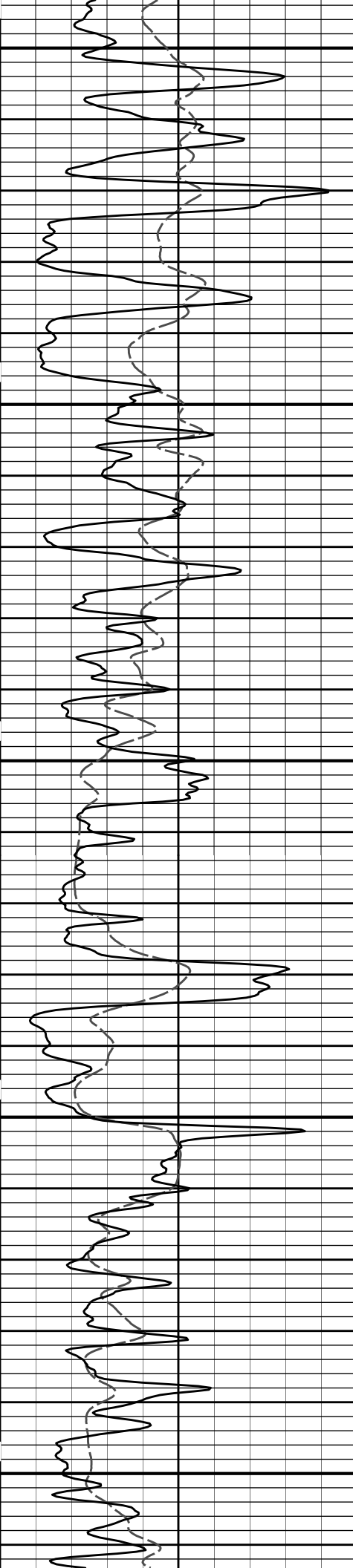




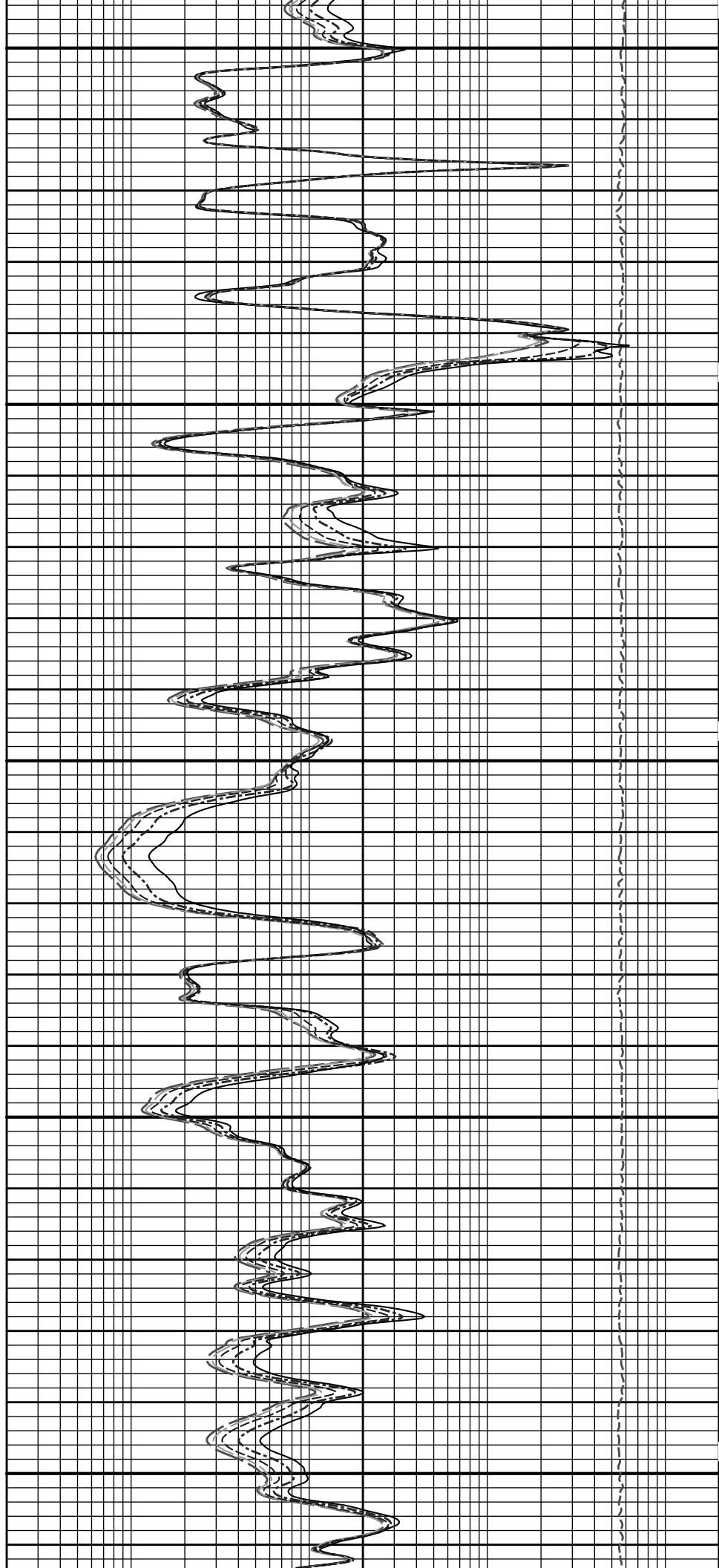
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3400





3500

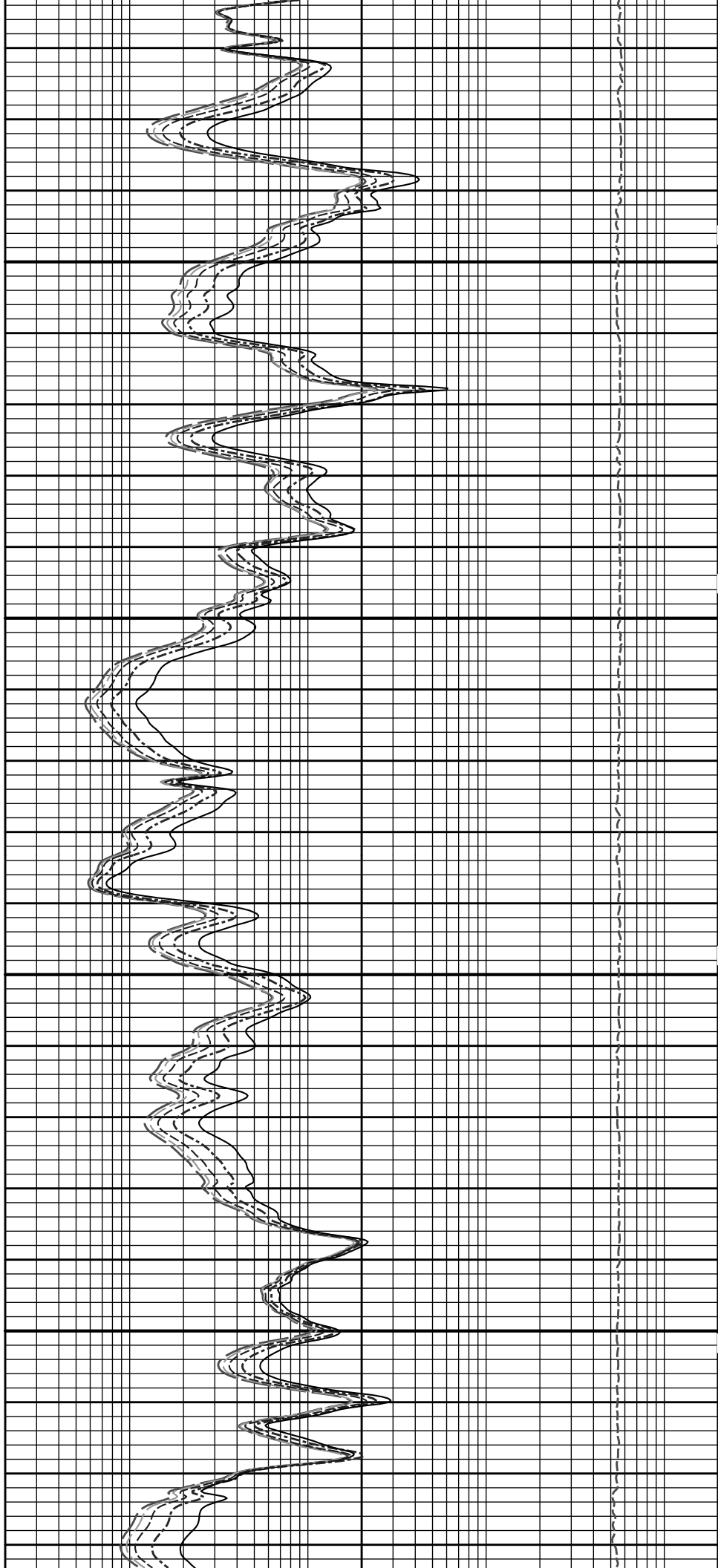


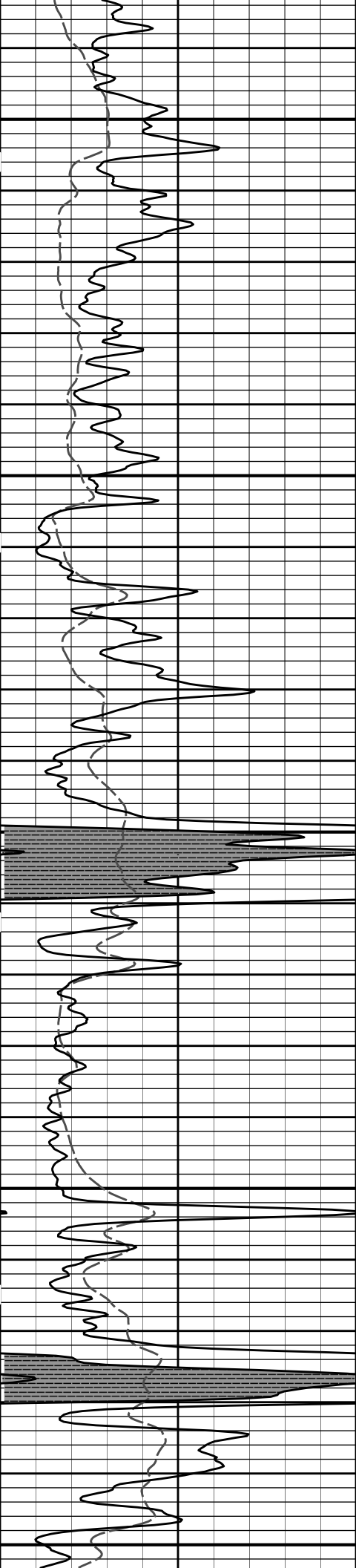
3600



3700

3800

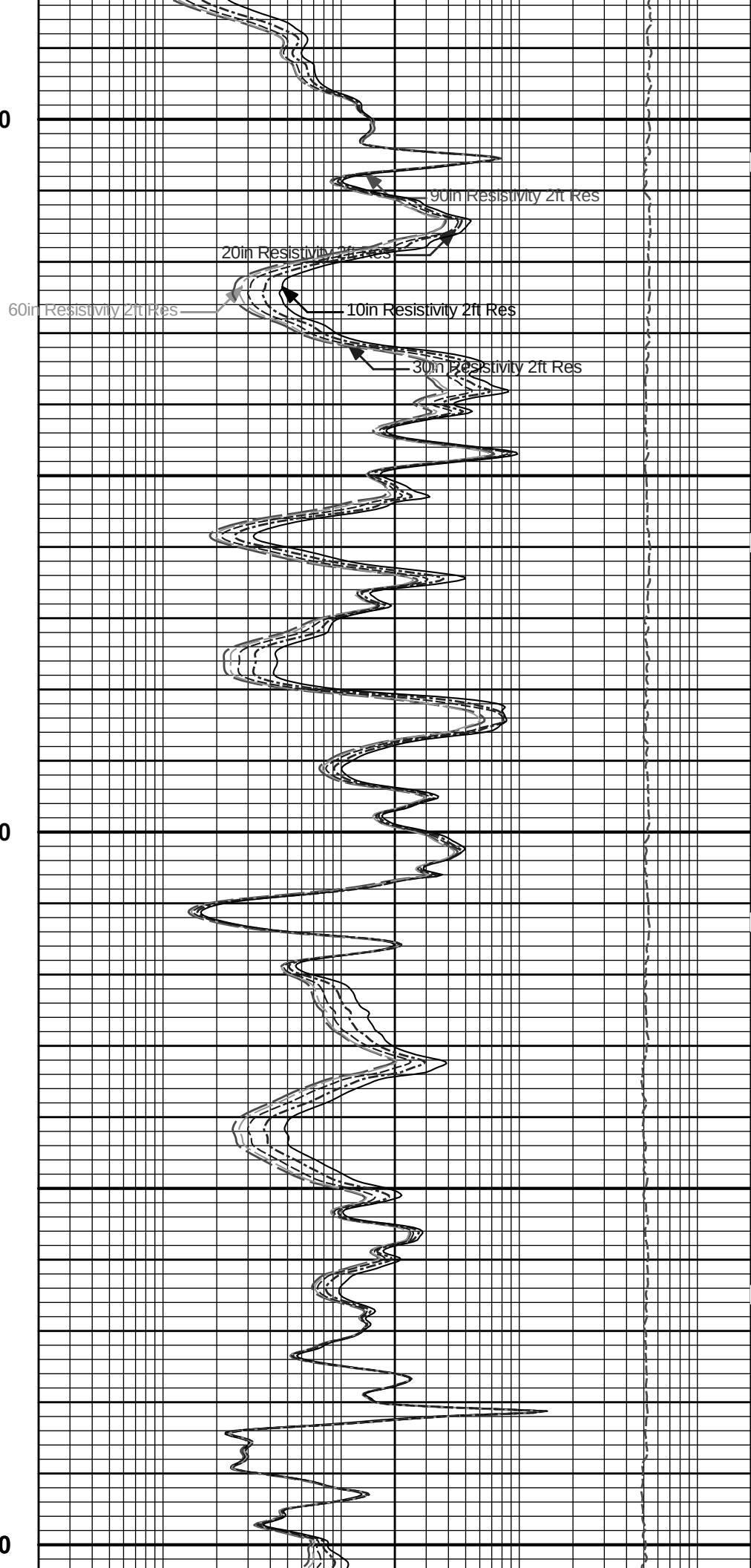


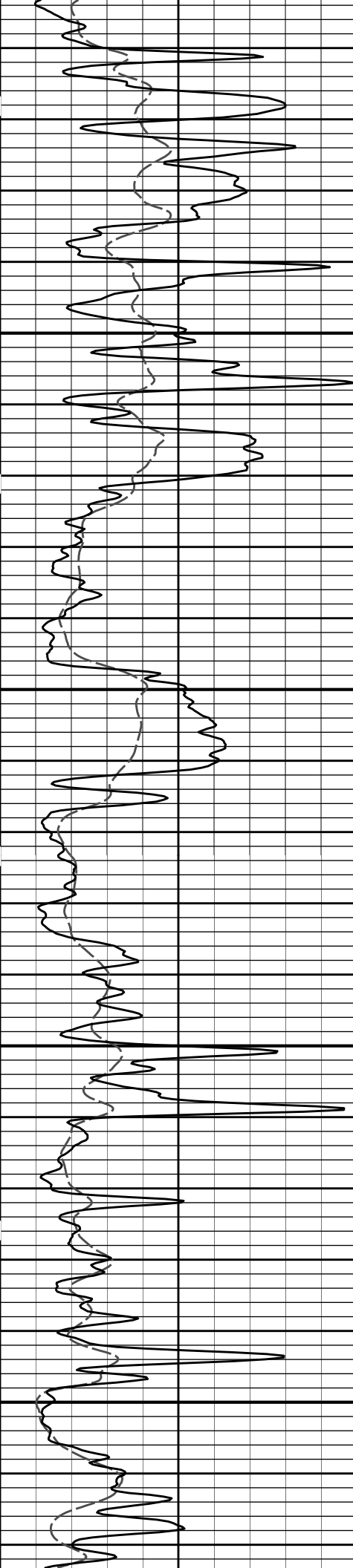


3900

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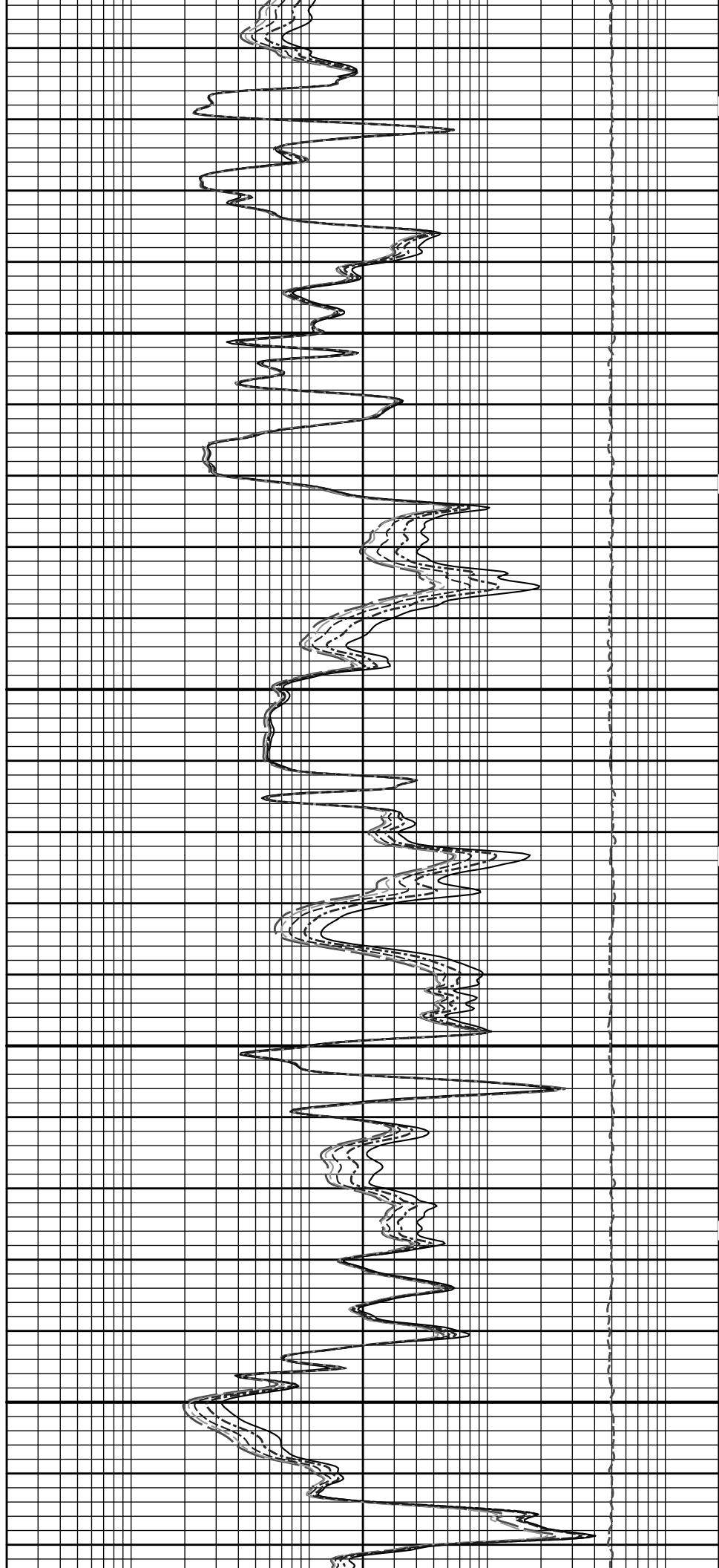
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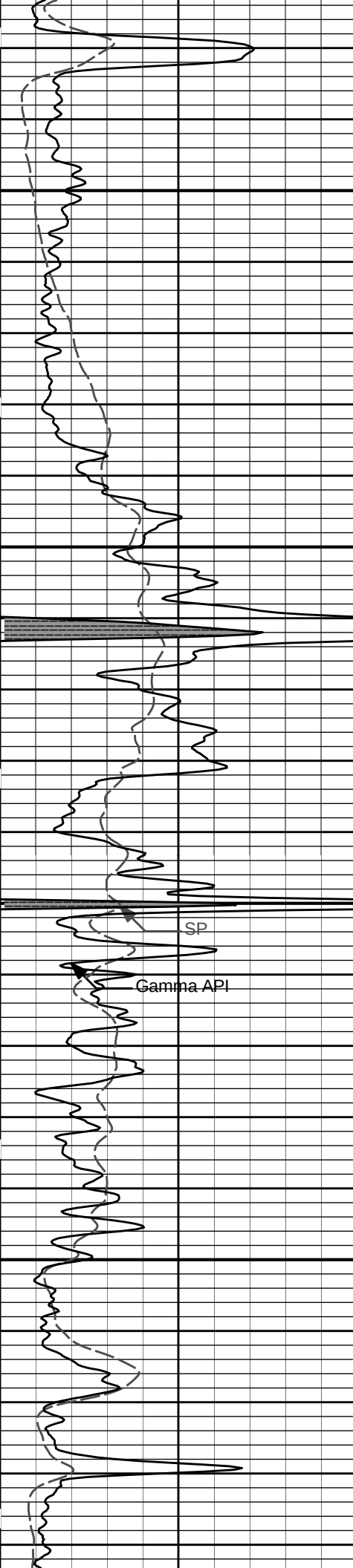




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4300



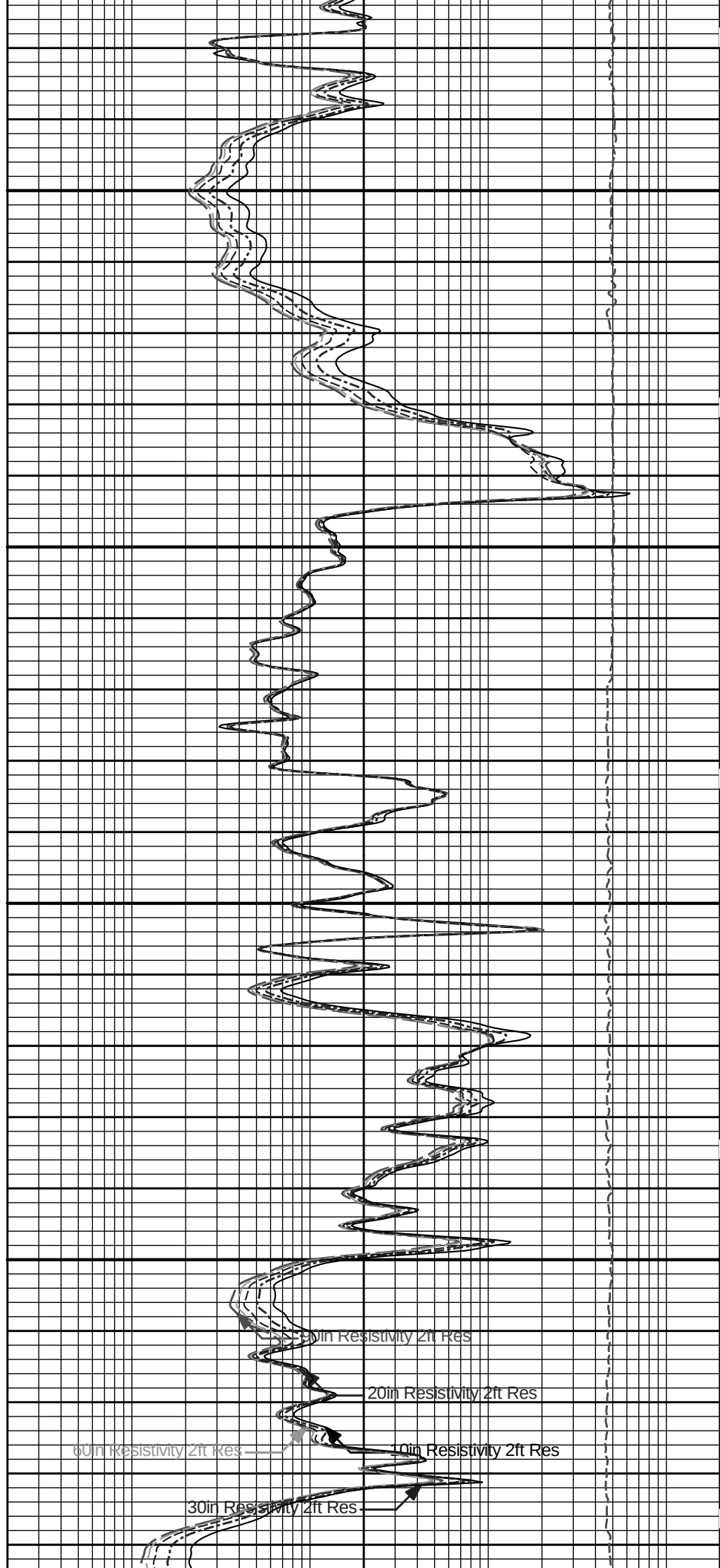


4400

SP

Gamma API

4500



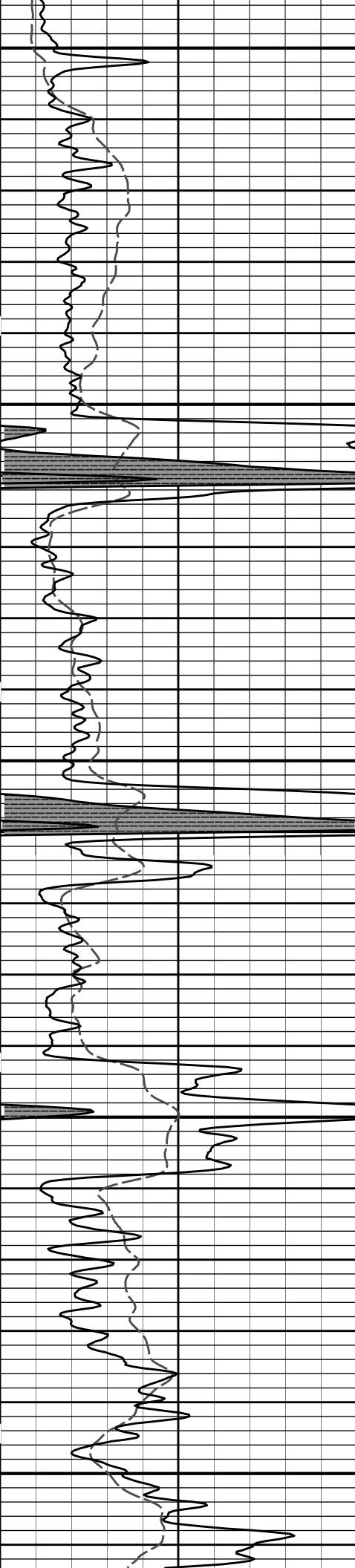
60in Resistivity 2ft Res

20in Resistivity 2ft Res

60in Resistivity 2ft Res

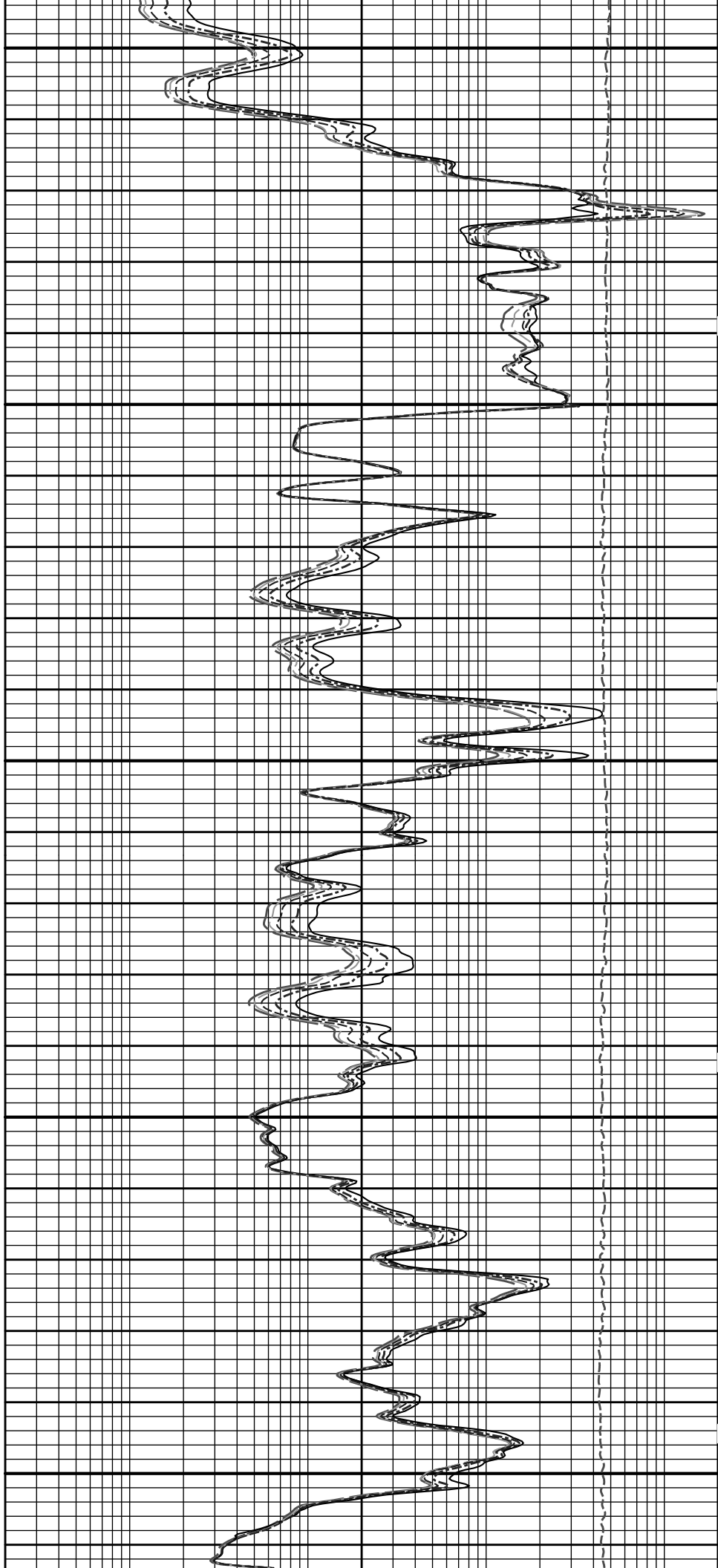
10in Resistivity 2ft Res

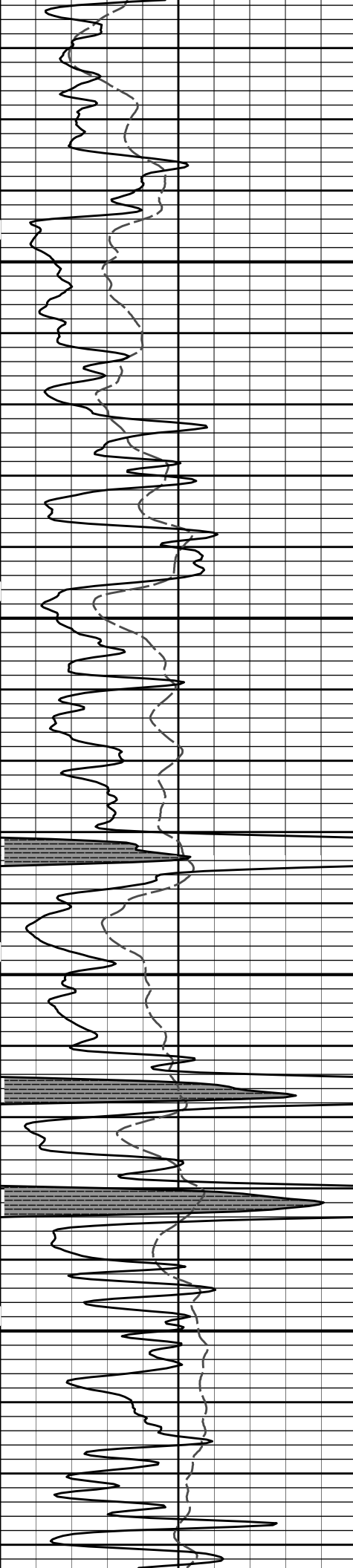
30in Resistivity 2ft Res



4600

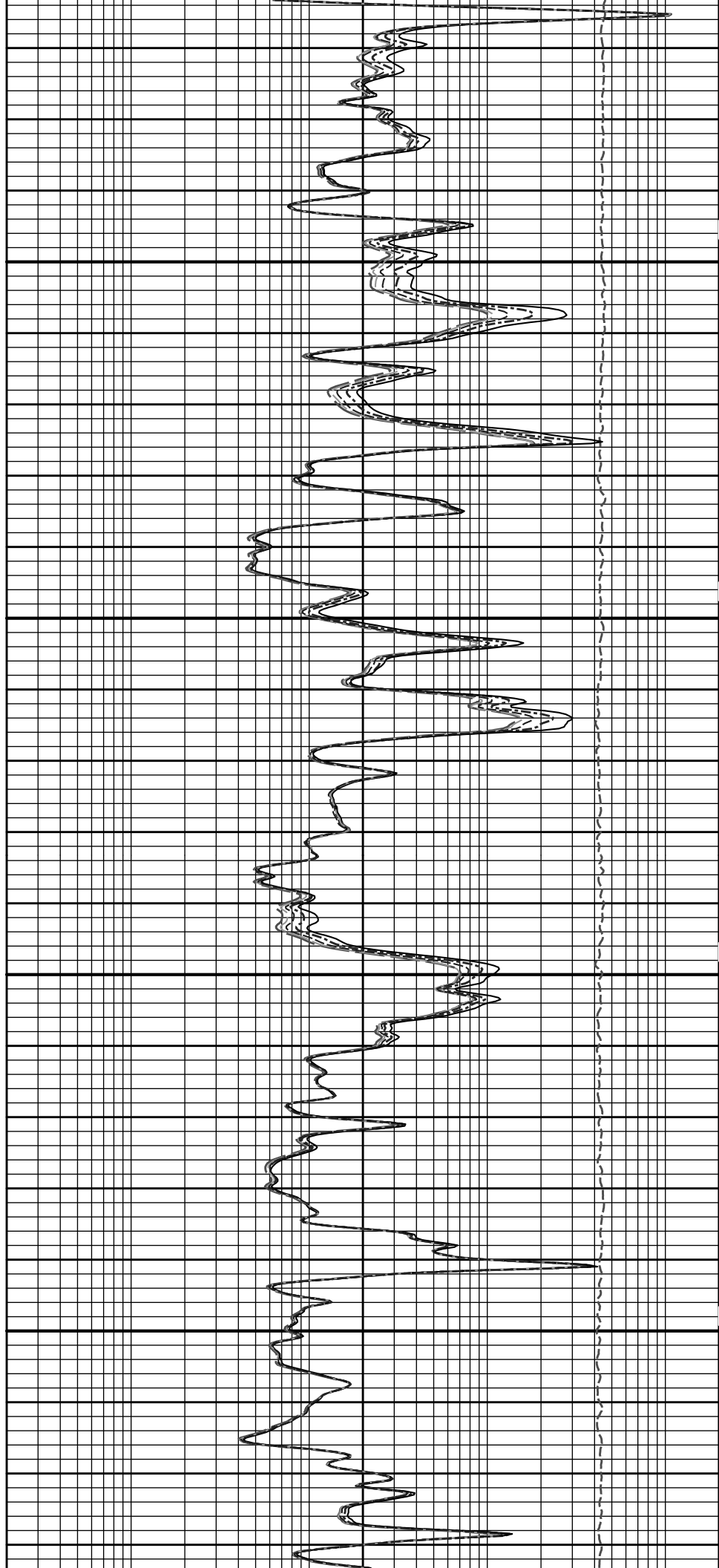
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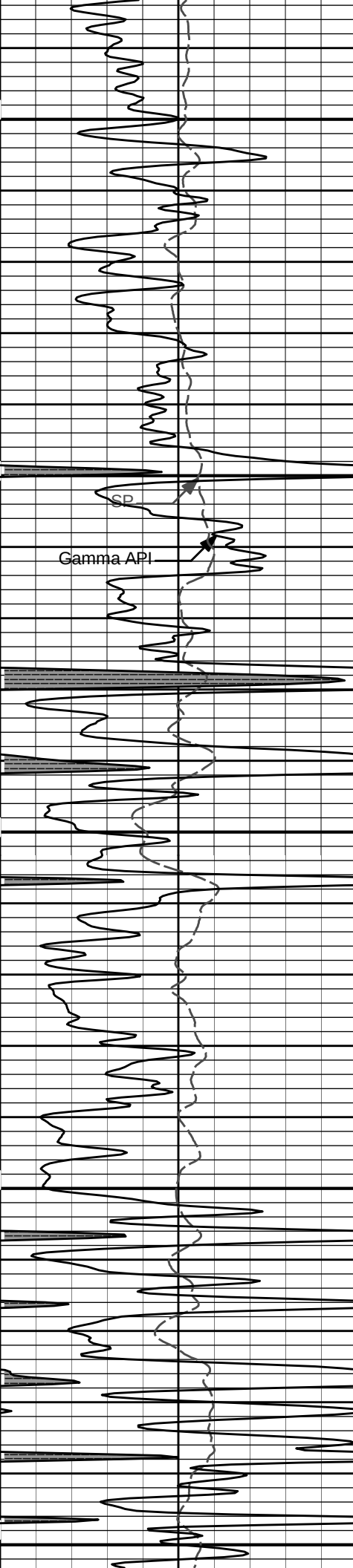




4800

4900





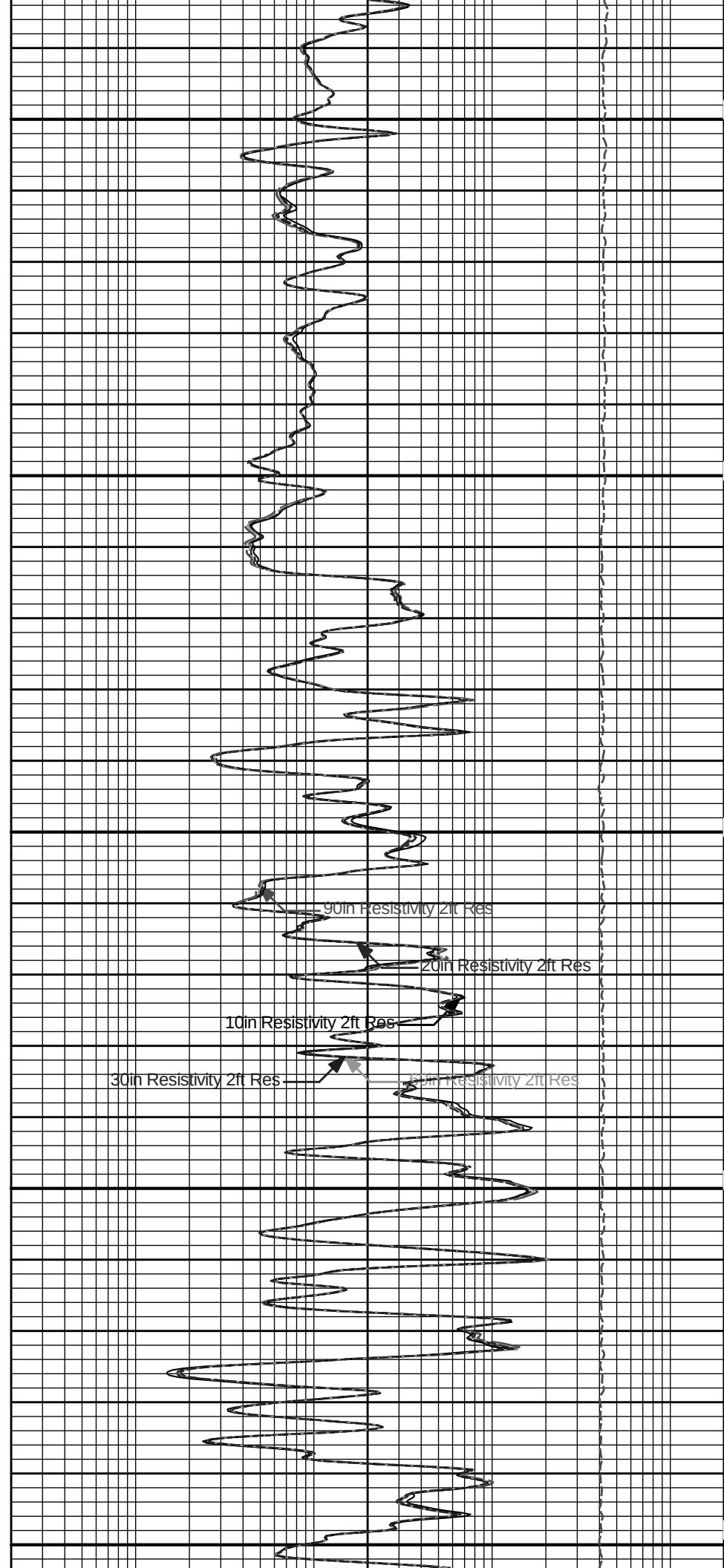
5000

Gamma API

CP

5100

5200



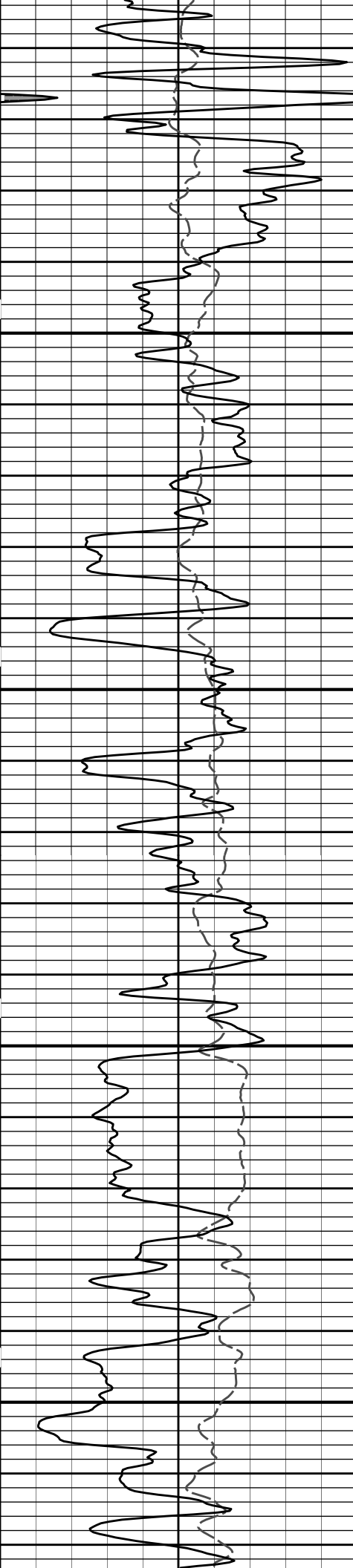
90in Resistivity 2ft Res

20in Resistivity 2ft Res

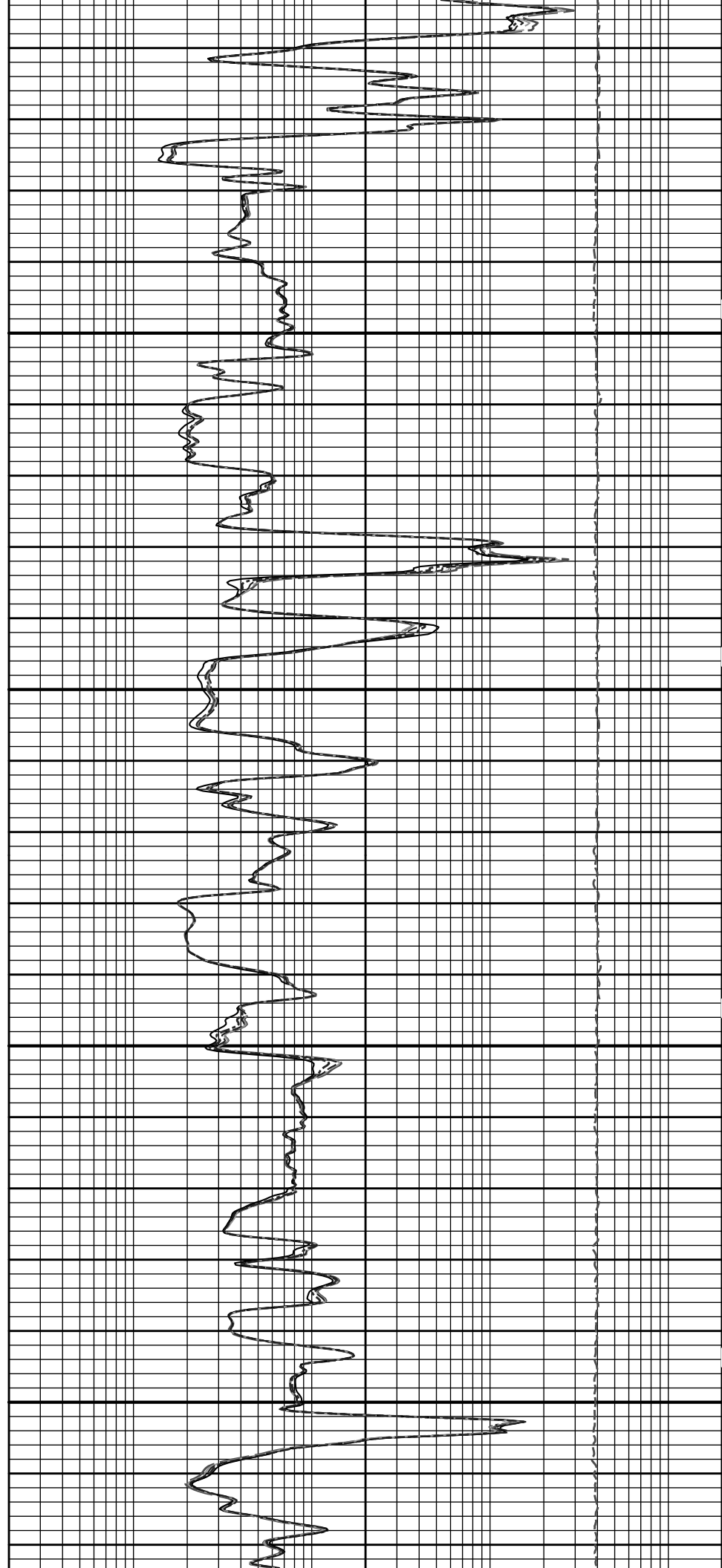
10in Resistivity 2ft Res

30in Resistivity 2ft Res

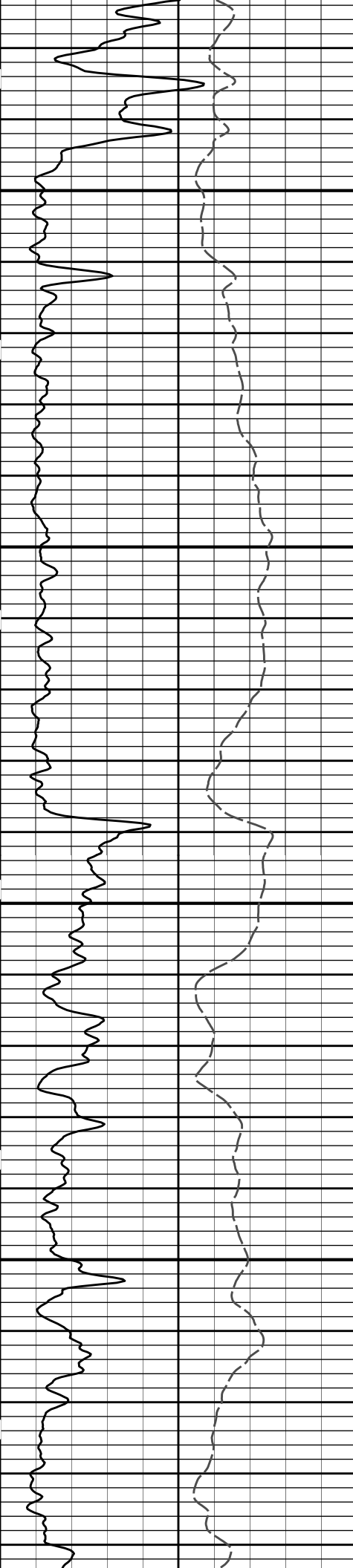
50in Resistivity 2ft Res



5300

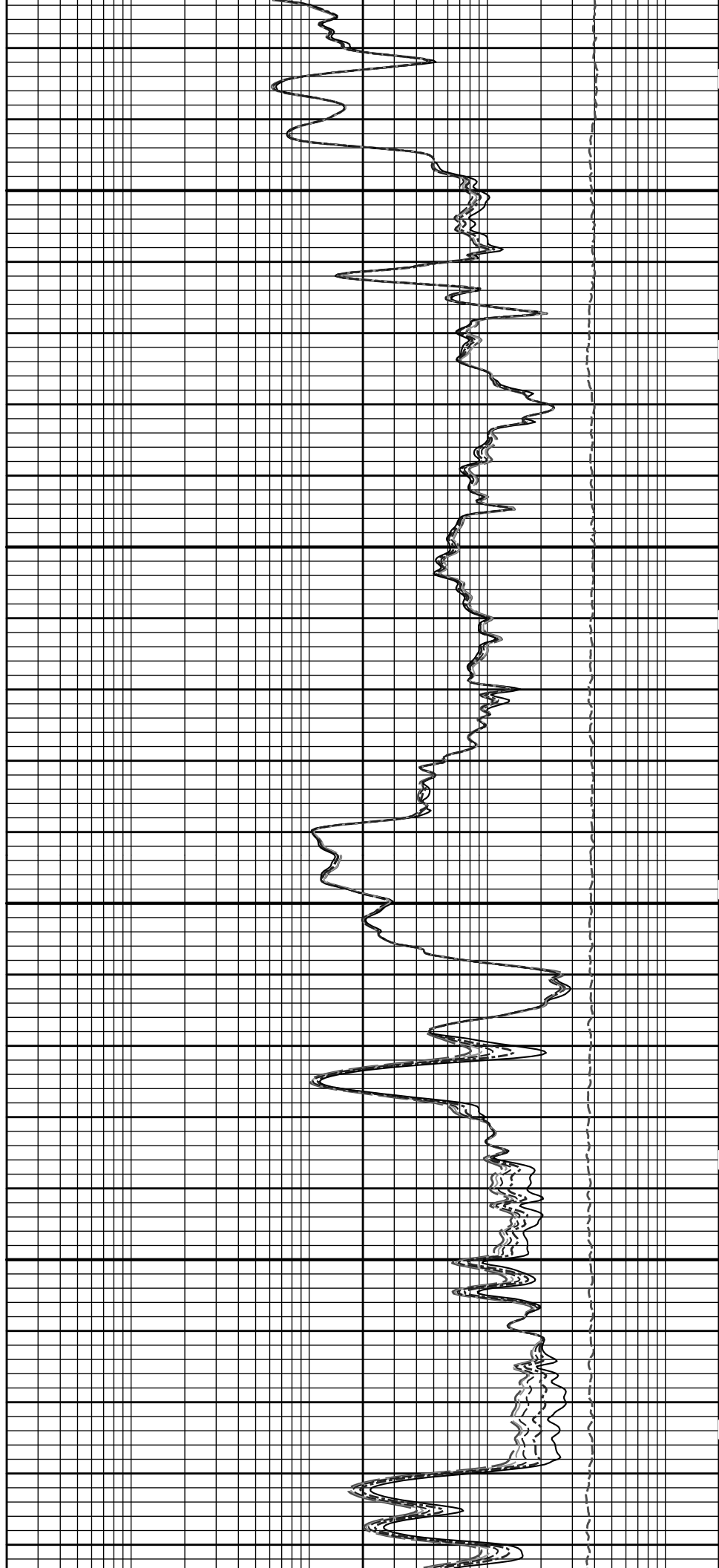


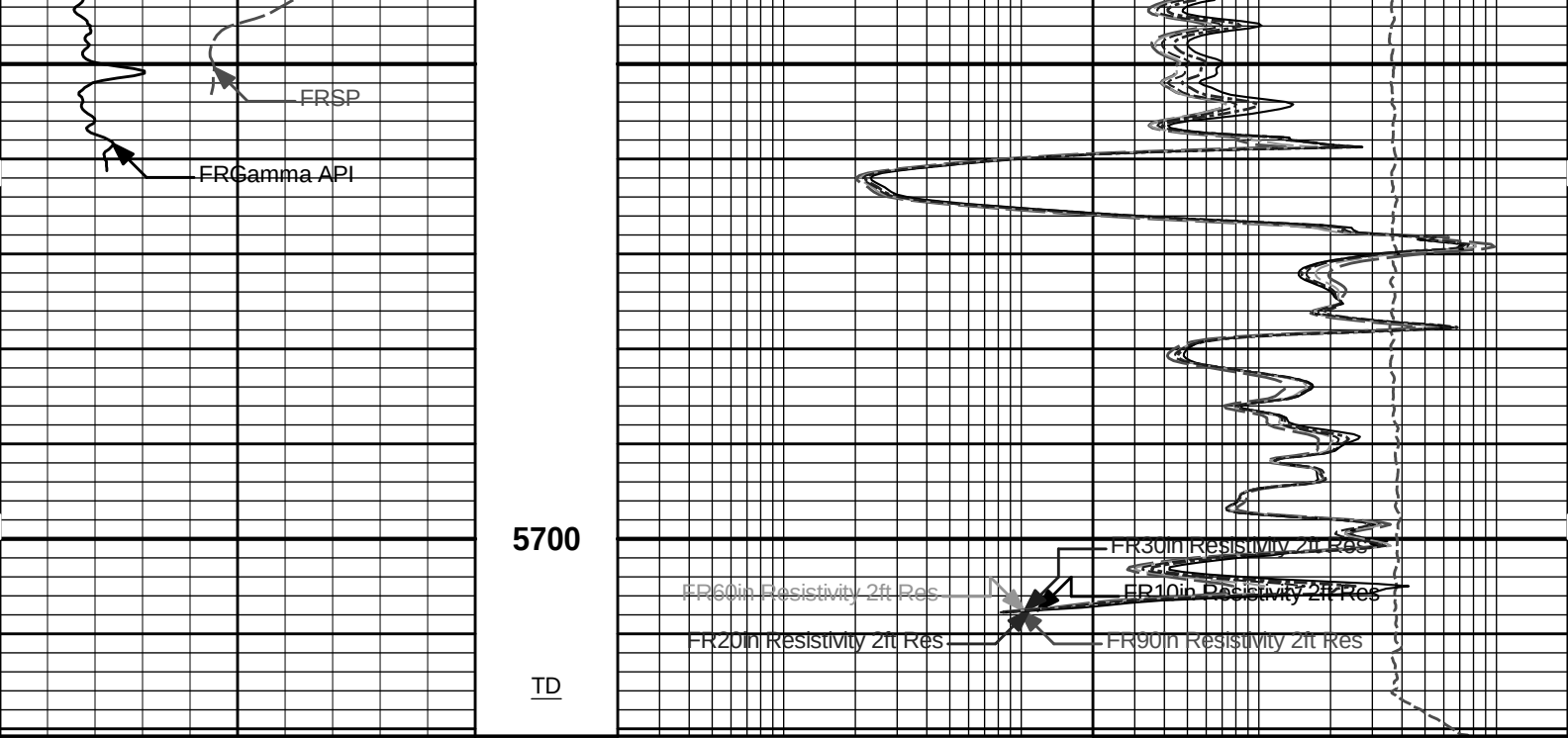
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5500

5600



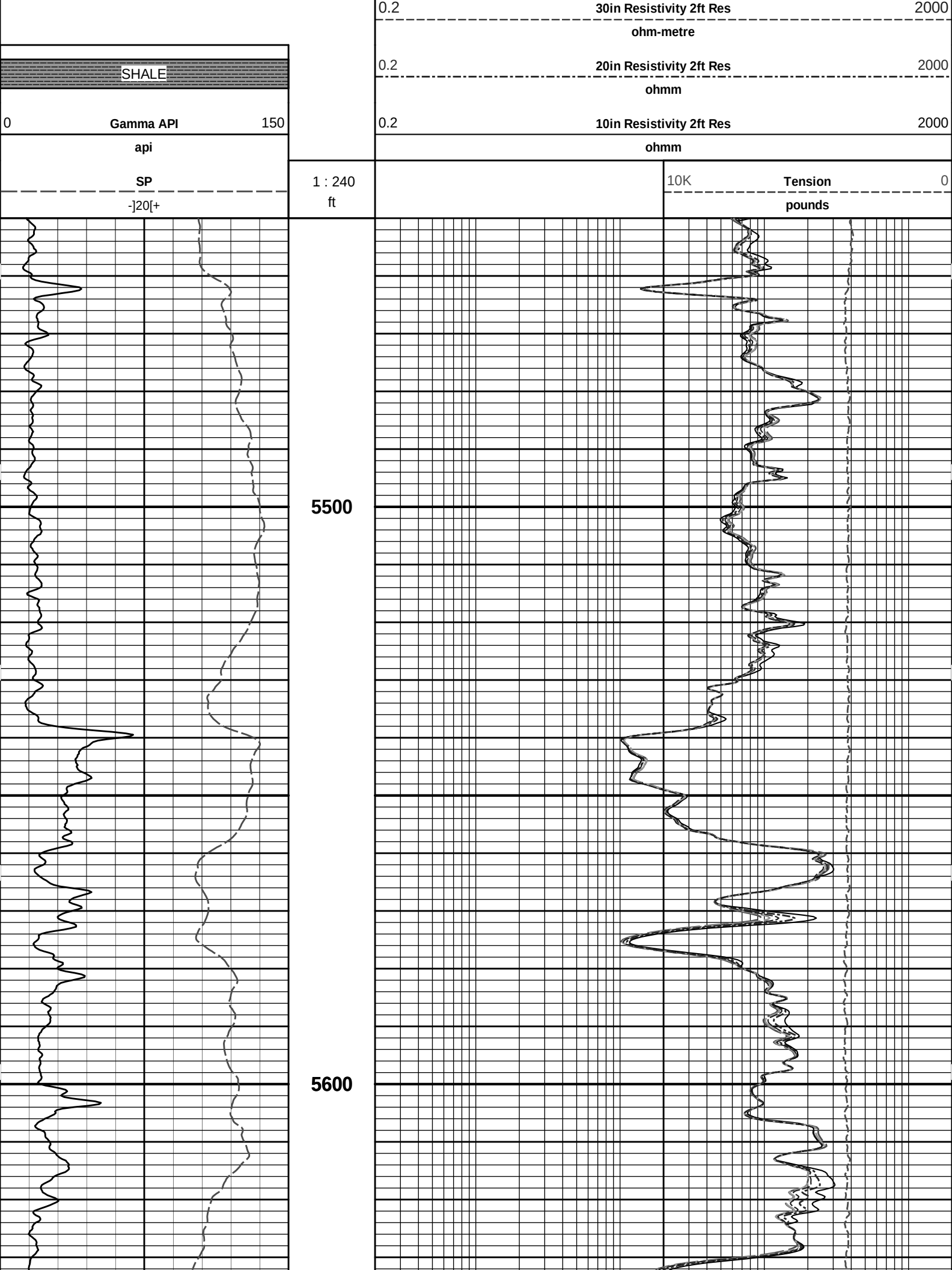


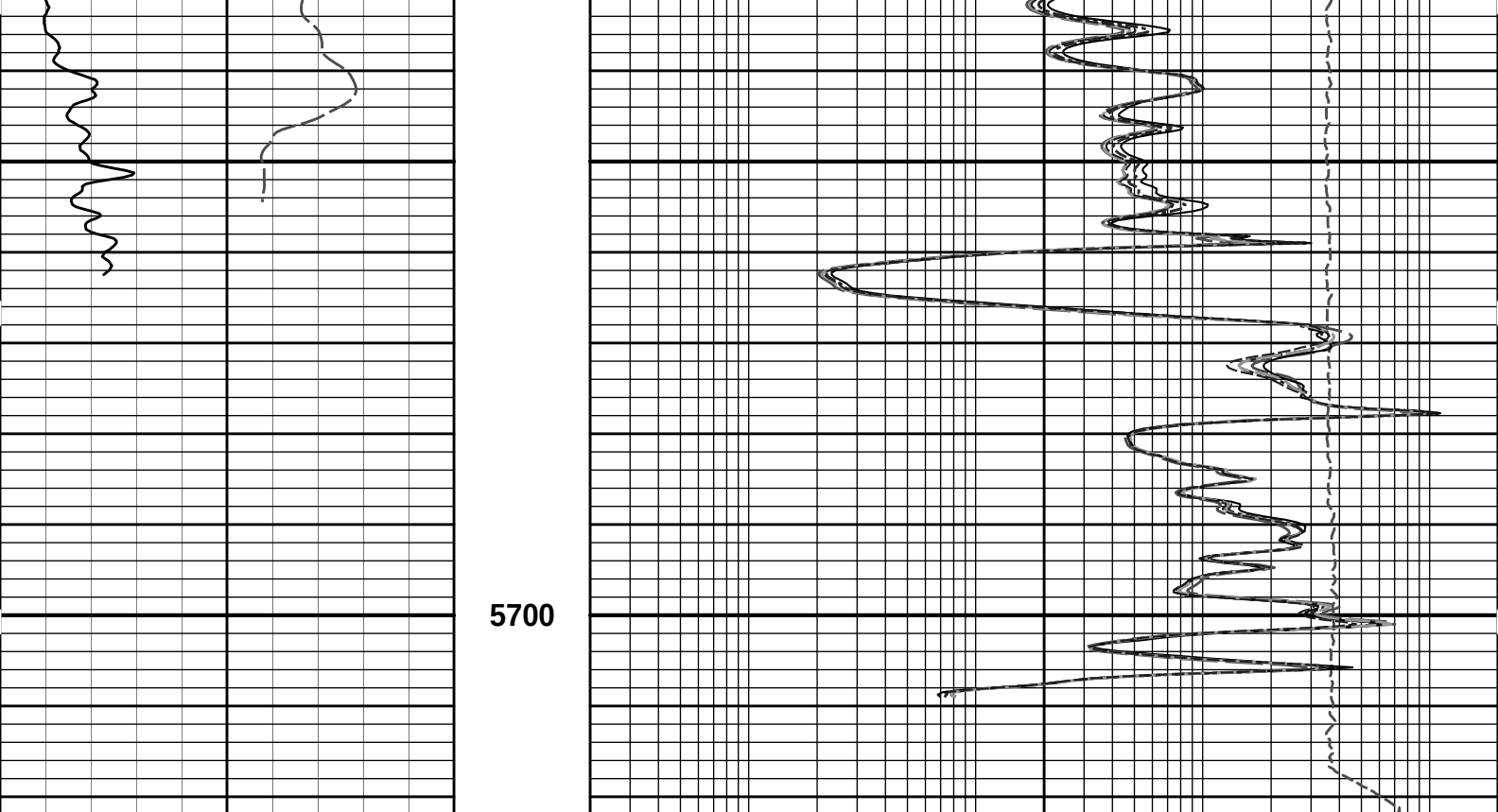
SP		1 : 240 ft	10K		Tension		0
-]20[+					pounds		
0	Gamma API	150	Tension Pull	0.2	10in Resistivity 2ft Res		2000
	api				ohmm		
SHALE			Tension Pull	0.2	20in Resistivity 2ft Res		2000
					ohmm		
			0.2	30in Resistivity 2ft Res		2000	
				ohm-metre			
		0.2	60in Resistivity 2ft Res		2000		
			ohmm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

HALLIBURTON		Plot Time: 30-Mar-12 02:42:48
		Plot Range: 1800 ft to 5720.75 ft
		Data: W_E_PREEDY_7\Well Based\CASING\
		Plot File: \\-LOCAL-W_E_PREEDY_7\0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHIACRT\ACRT_5_main_lib
5 INCH MAIN LOG		

HALLIBURTON		Plot Time: 30-Mar-12 02:42:48
		Plot Range: 5450 ft to 5722 ft
		Data: W_E_PREEDY_7\Well Based\REPEAT\
		Plot File: \\-LOCAL-W_E_PREEDY_7\0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHIACRT\ACRT_5_repeat_lib
REPEAT SECTION		

		0.2	90in Resistivity 2ft Res	2000
			ohmm	
		0.2	60in Resistivity 2ft Res	2000
			ohmm	





5700

0	SP	1 : 240 ft	10K	Tension	0
	-]20[+			pounds	
	Gamma API	150	0.2	10in Resistivity 2ft Res	2000
	api			ohmm	
	SHALE		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

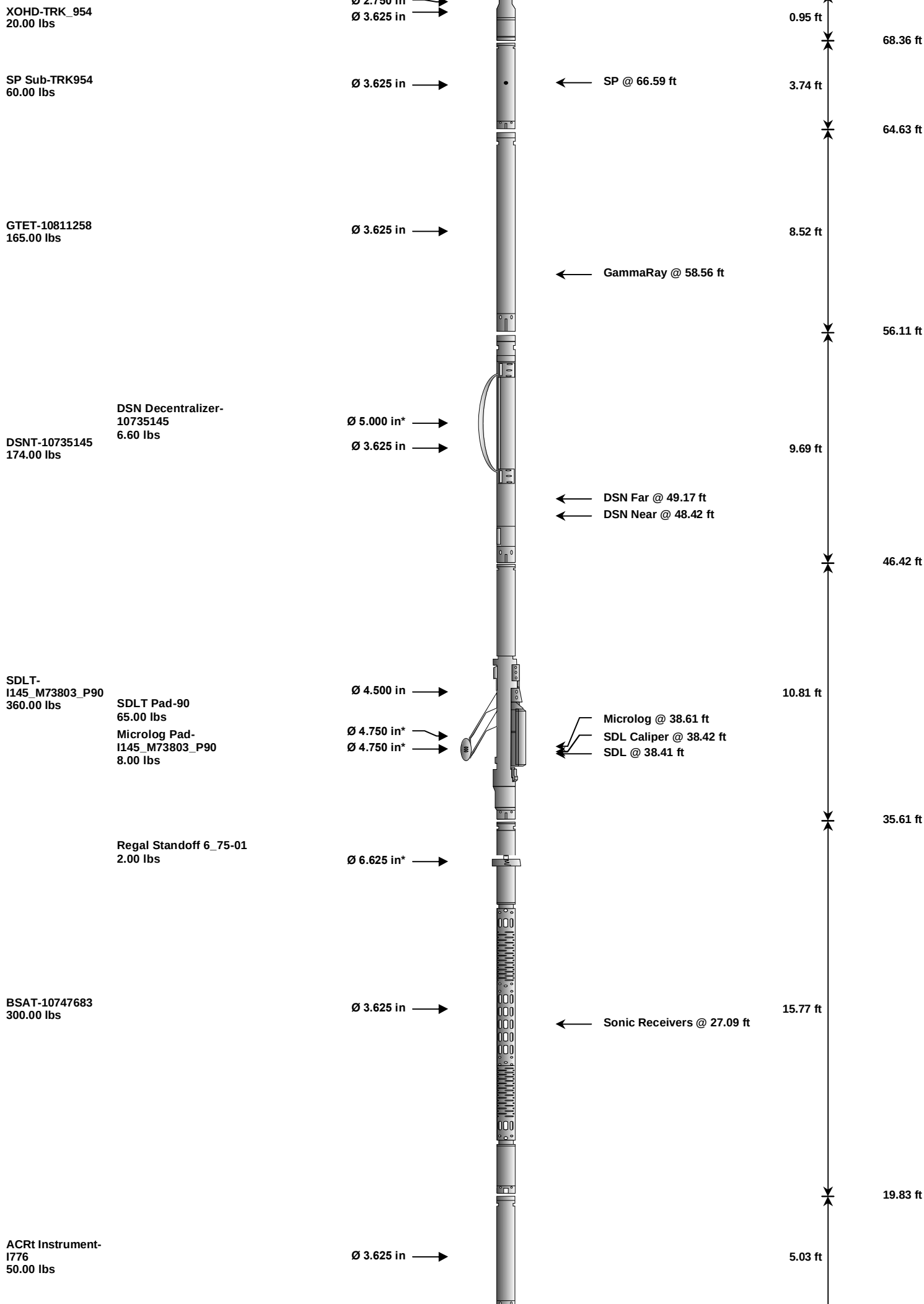
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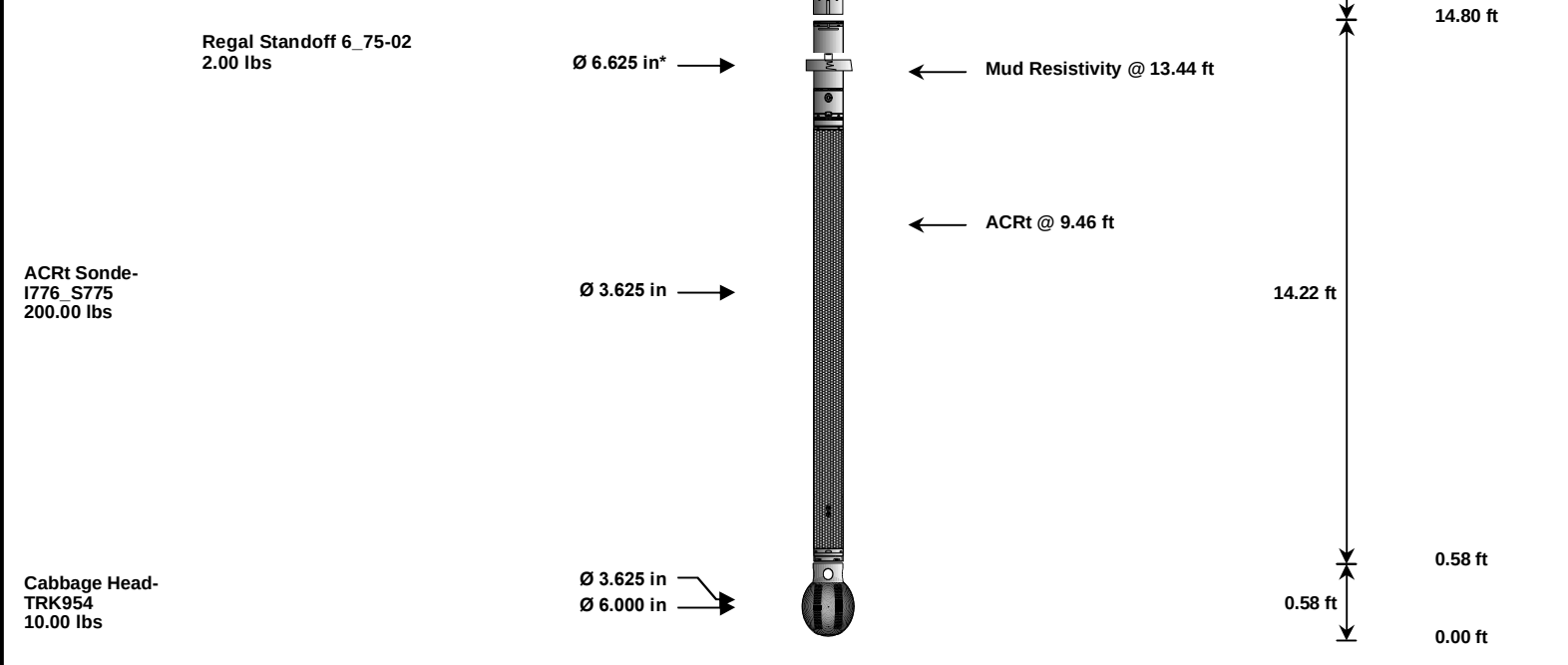
REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
CH_HOS-954 37.50 lbs		Ø 2.750 in		Temperature @ 71.31 ft	3.03 ft	72.34 ft 69.31 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		954	37.50	3.03	69.31	300.00	
XOHD	Hostile to Dits Cross Over		TRK_954	20.00	0.95	68.36	300.00	
SP	SP Sub		TRK954	60.00	3.74	64.63	300.00	
GTET	Gamma Telemetry Tool		10811258	165.00	8.52	56.11	60.00	
DSNT	Dual Spaced Neutron		10735145	174.00	9.69	46.42	60.00	
DCNT	DSN Decentralizer		10735145	6.60	5.13	*	49.75	300.00
SDLT	Spectral Density Tool		I145_M73803_P90	360.00	10.81	35.61	60.00	
MICP	Microlog Pad		I145_M73803_P90	8.00	1.00	*	38.11	60.00
SDLP	Density Insite Pad		90	65.00	2.55	*	37.82	60.00
BSAT	Borehole Sonic Array Tool		10747683	300.00	15.77	19.83	60.00	
RSOF	Regal Standoff 6.75in		01	2.00	0.52	*	33.63	300.00
ACRt	Array Compensated True Resistivity Instrument Section		I776	50.00	5.03	14.80	300.00	
ACRt	Array Compensated True Resistivity		I776_S775	200.00	14.22	0.58	300.00	
RSOF	Regal Standoff 6.75in		02	2.00	0.52	*	13.36	300.00
CBHD	Cabbage Head		TRK954	10.00	0.58	0.00	300.00	
Total				1,460.10	72.34			
* Not included in Total Length and Length Accumulation.								
Data: W_E_PREEDY_7I0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHIDLE								
Date: 29-Mar-12 23:33:45								

HALLIBURTON			
CALIBRATION REPORT			
NATURAL GAMMA RAY TOOL SHOP CALIBRATION			
Tool Name:	GTET - 10811258	Reference Calibration Date:	27-Feb-12 10:42:34
Engineer:	T. HYDE	Calibration Date:	27-Feb-12 10:45:14
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1
Calibrator Source S/N: TB185			
Calibrator API Reference:228.00 api			
Equivalent Calibrator API Reference:232.0 api			
Measurement	Measured	Calibrated	Units
Background	43.9	44.1	api
Background + Calibrator	275.0	276.1	api
Calibrator	231.1	232.0	api
NATURAL GAMMA RAY TOOL FIELD CALIBRATION			

Mud Cell		0.991	-----	-----	0.000	-----	ohm-m
Data: W_E_PREEDY_710001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CH1DLE							Date: 30-Mar-12 00:29:57
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	9.500	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	2.000	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	5731.00	ft		
	SHARED	BHT	Bottom Hole Temperature	200.0	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	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	Wyllie	
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	
BOTTOM				

Data: W_E_PREEDY_710001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHIDLE

Date: 30-Mar-12 00:22:56

HALLIBURTON

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
SP Sub				
PLTC	Plot Control Mask	66.58	NO	
SP	Spontaneous Potential	66.58	BLK	1.250
SPR	Raw Spontaneous Potential	66.58	NO	
SPO	Spontaneous Potential Offset	66.58	NO	
GTET				
TPUL	Tension Pull	58.56	NO	
GR	Natural Gamma Ray API	58.56	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	58.56	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	58.56	W	1.416 , 0.750
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
DSNT				
TPUL	Tension Pull	48.32	NO	

TPUL	Tension Pull	48.32	NO	
RNDS	Near Detector Telemetry Counts	48.42	BLK	1.417
RFDS	Far Detector Telemetry Counts	49.17	TRI	0.583
DNTT	DSN Tool Temperature	48.42	NO	
DSNS	DSN Tool Status	48.32	NO	
ERND	Near Detector Telemetry Counts EVR	48.42	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	49.17	BLK	0.000
ENTM	DSN Tool Temperature EVR	48.42	NO	
SDLT				
TPUL	Tension Pull	38.42	NO	
PCAL	Pad Caliper	38.42	TRI	0.250
ACAL	Arm Caliper	38.42	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

SRX5	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	38.41	NO	
NAB	Near Above	38.24	BLK	0.920
NHI	Near Cesium High	38.24	BLK	0.920
NLO	Near Cesium Low	38.24	BLK	0.920
NVA	Near Valley	38.24	BLK	0.920
NBA	Near Barite	38.24	BLK	0.920
NDE	Near Density	38.24	BLK	0.920
NPK	Near Peak	38.24	BLK	0.920
NLI	Near Lithology	38.24	BLK	0.920
NBAU	Near Barite Unfiltered	38.24	BLK	0.250
NLIU	Near Lithology Unfiltered	38.24	BLK	0.250
FAB	Far Above	38.58	BLK	0.250
FHI	Far Cesium High	38.58	BLK	0.250
FLO	Far Cesium Low	38.58	BLK	0.250
FVA	Far Valley	38.58	BLK	0.250
FBA	Far Barite	38.58	BLK	0.250
FDE	Far Density	38.58	BLK	0.250
FPK	Far Peak	38.58	BLK	0.250
FLI	Far Lithology	38.58	BLK	0.250
PTMP	Pad Temperature	38.42	BLK	0.920
NHV	Near Detector High Voltage	37.81	NO	
FHV	Far Detector High Voltage	37.81	NO	
ITMP	Instrument Temperature	37.81	NO	
DDHV	Detector High Voltage	37.81	NO	

Microlog Pad				
TPUL	Tension Pull	38.60	NO	
MINV	Microlog Lateral	38.60	BLK	0.750
MNOR	Microlog Normal	38.60	BLK	0.750

Data: W_E_PREEDY_710001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CH1DLE Date: 30-Mar-12 00:22:24

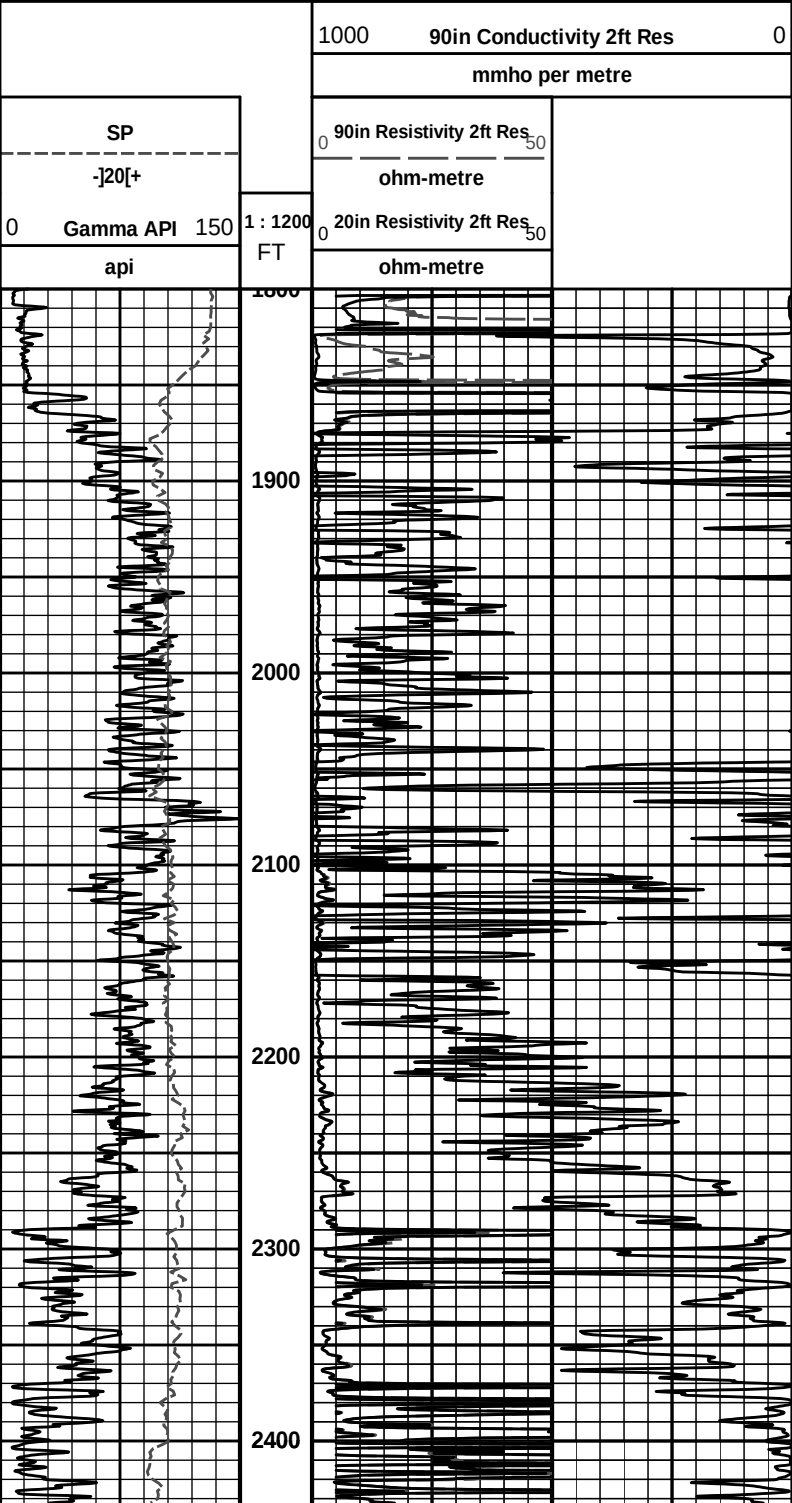
COMPANY	OXY USA INC
WELL	W.E. PREEDY #7

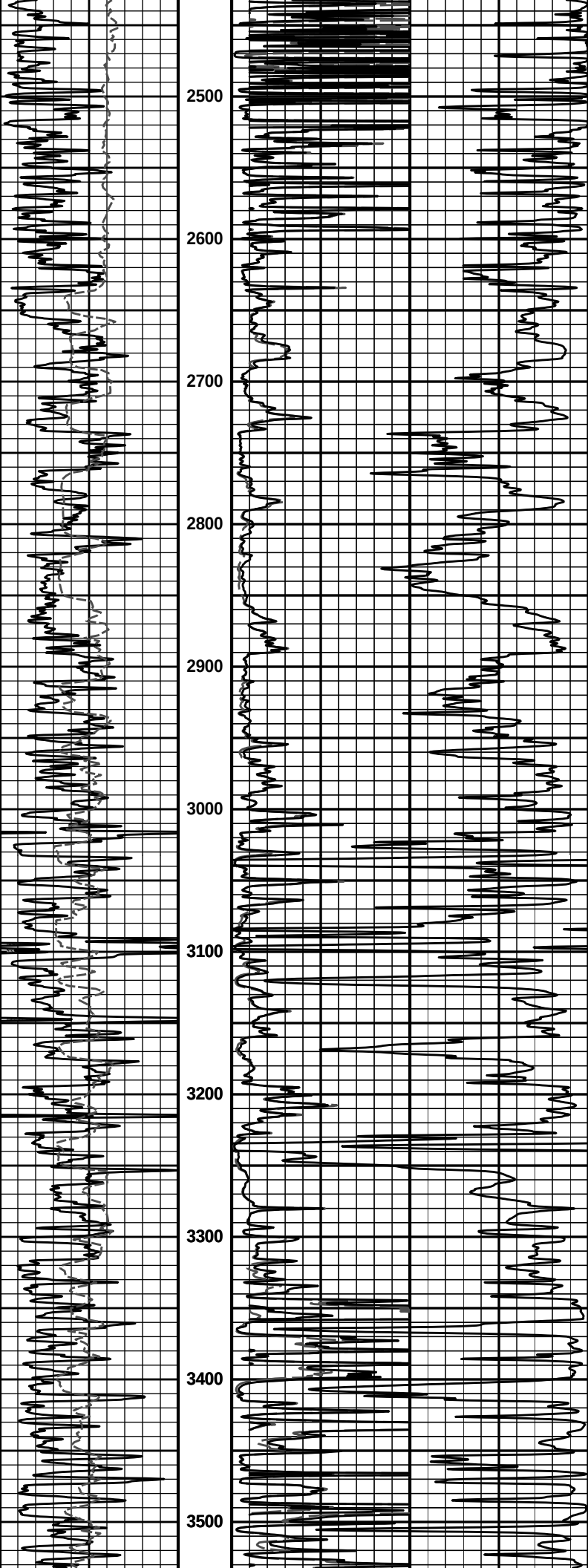
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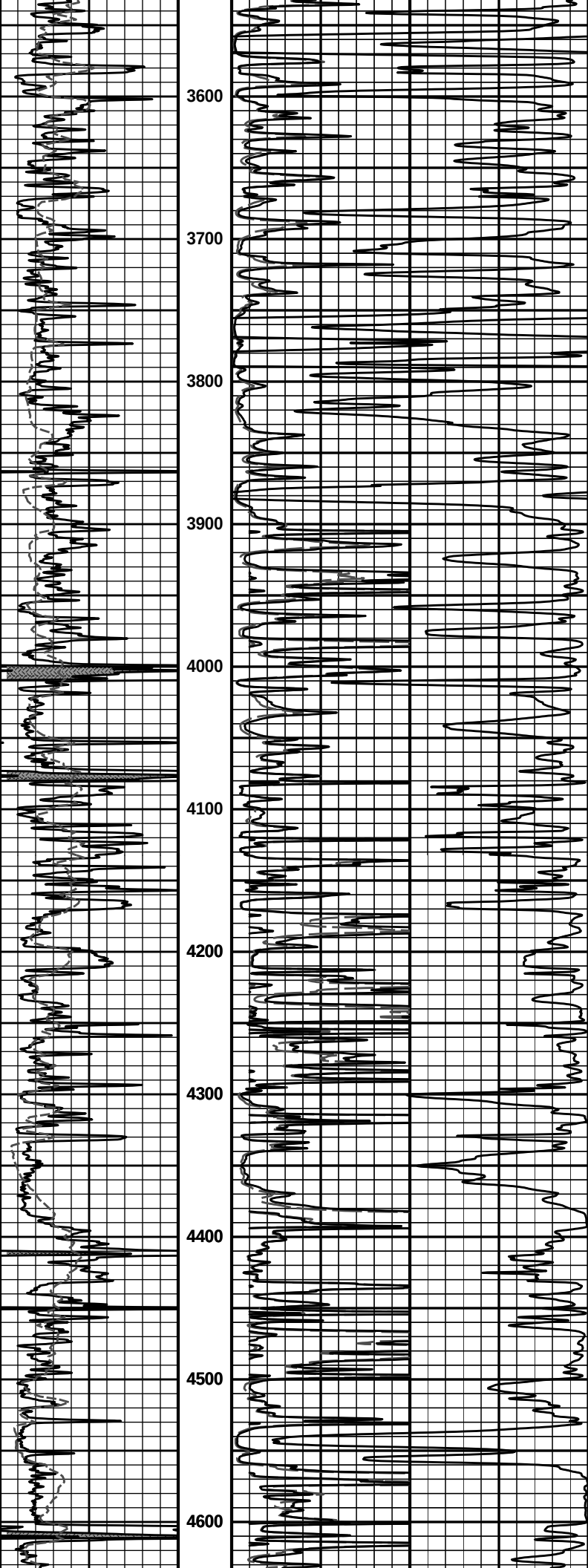
ARRAY COMPENSATED
TRUE RESISTIVITY
LOG

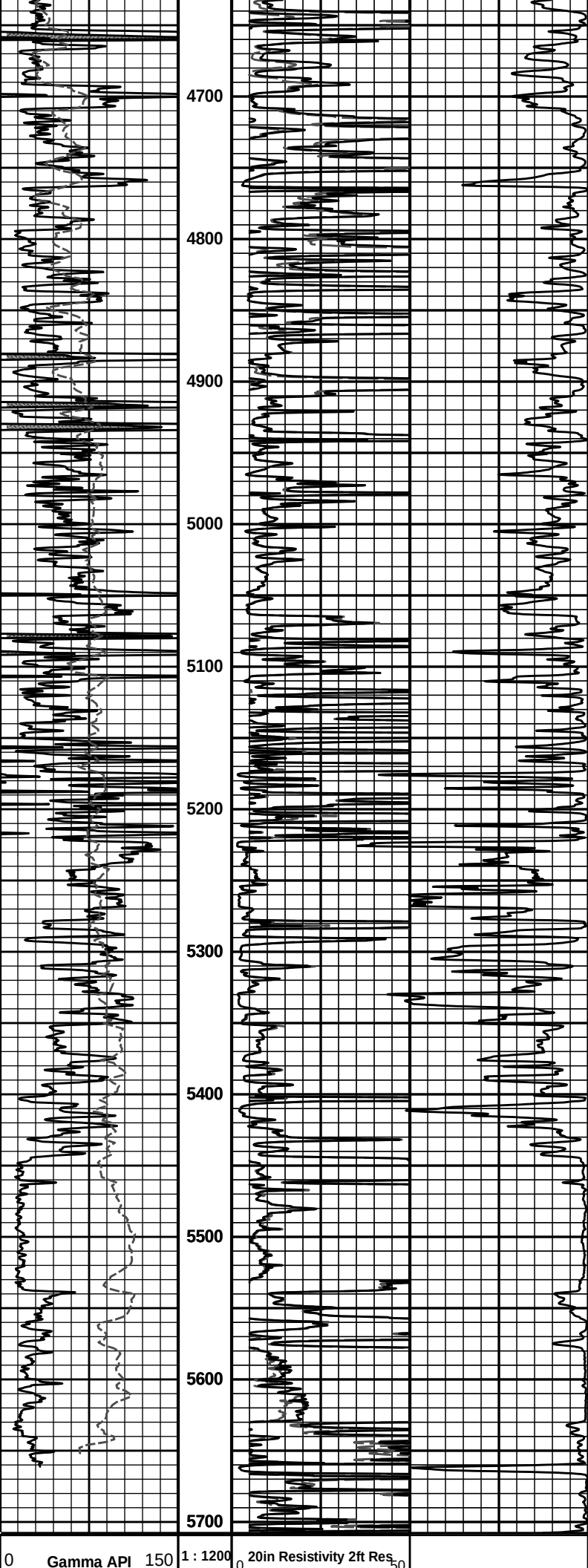
HALLIBURTON
Plot Time: 30-Mar-12 02:42:49
Plot Range: 1800 ft to 5707.75 ft
Data: W_E_PREEDY_7\Well Based\CASING\
Plot File: \\LOCAL-I\W_E_PREEDY_7\0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHI...ACRT_1.lib

1 INCH MAIN LOG









api	FT	ohm-metre
SP		90in Resistivity 2ft Res
-]20[+		ohm-metre
		1000 90in Conductivity 2ft Res 0
		mmho per metre

HALLIBURTON

Plot Time: 30-Mar-12 02:42:51
Plot Range: 1800 ft to 5707.75 ft
Data: W_E_PREEDY_7\Well Based\CASING\
Plot File: \\LOCAL-W_E_PREEDY_7\0001 SP-GTET-DSNT-SDLT-BSAT-ACRT-CHL...ACRT_1.lib

1 INCH MAIN LOG