

HALLIBURTON

ARRAY COMPENSATED TRUE RESISTIVITY LOG

COMPANY		EOG RESOURCES		COMPANY		EOG RESOURCES	
WELL		CYNTHIA 35-3		WELL		CYNTHIA 35-3	
FIELD		WILDCAT		FIELD		WILDCAT	
COUNTY		STEVENS		COUNTY		STEVENS	
STATE		KANSAS		STATE		KANSAS	
Permanent Datum	GL	15-189-22759		Other Services:	SDL/D/SNT		
Log measured from	KB	Location	1225' FNL & 2130' FEL	MICRO			
Drilling measured from	KB			BSAT			
Date	19-Nov-10	Section	35	Twp.	31S	Rge.	39W
Run No.	1						
Depth - Driller	6200.00 ft						
Depth - Logger	6203.0 ft						
Bottom - Logged Interval	6194.0 ft						
Top - Logged Interval	1736.0 ft						
Casing - Driller	8.625 in @ 1736.0 ft						
Casing - Logger	1736.0 ft						
Bit Size	7.875 in						
Type Fluid in Hole	WATER BASED MUD						
Density	8.9 ppg	Viscosity	51.00 s/cf				
PH	9.60 pH	Fluid Loss	6.4 gpm				
Source of Sample	MUD PIT						
Rm @ Meas. Temperature	1.250 ohmm @ 70.00 degF						
Rmf @ Meas. Temperature	1.06 ohmm @ 70.00 degF						
Rmc @ Meas. Temperature	1.500 ohmm @ 70.00 degF						
Source Rmf	MEAS.	Rmc	MEAS.				
Rm @ BHT	0.81 ohmm @ 135.0 degF						
Time Since Circulation	4.0 hr						
Time on Bottom	19-Nov-10 09:11						
Max. Rec. Temperature	135.0 degF @ 6203.0 ft						
Equipment	10546696	Location	LIBERAL				
Recorded By	J. BOSCH						
Witnessed By	J. SESSIONS						
							S. MUELLER

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Service Ticket No.: 7780058 API Serial No.: 15-189-22759 PGM Version: WL INSITE R3.2.0 (Build 7)

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 S8385	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.		Run No.	
Serial No.	1103960	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	

LOGGING DATA

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	1736	6194	REC	0	150									

DIRECTIONAL INFORMATION

Maximum Deviation @ KOP @

Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 AND 4.5 INCH CASING

CHLORIDES: 800 MG/L LCM: 12

GPS COORDINATES: LAT: 37°18 N LONG: 101° 31 W

TODAY'S CREW: K. KELLY, C. PARKER

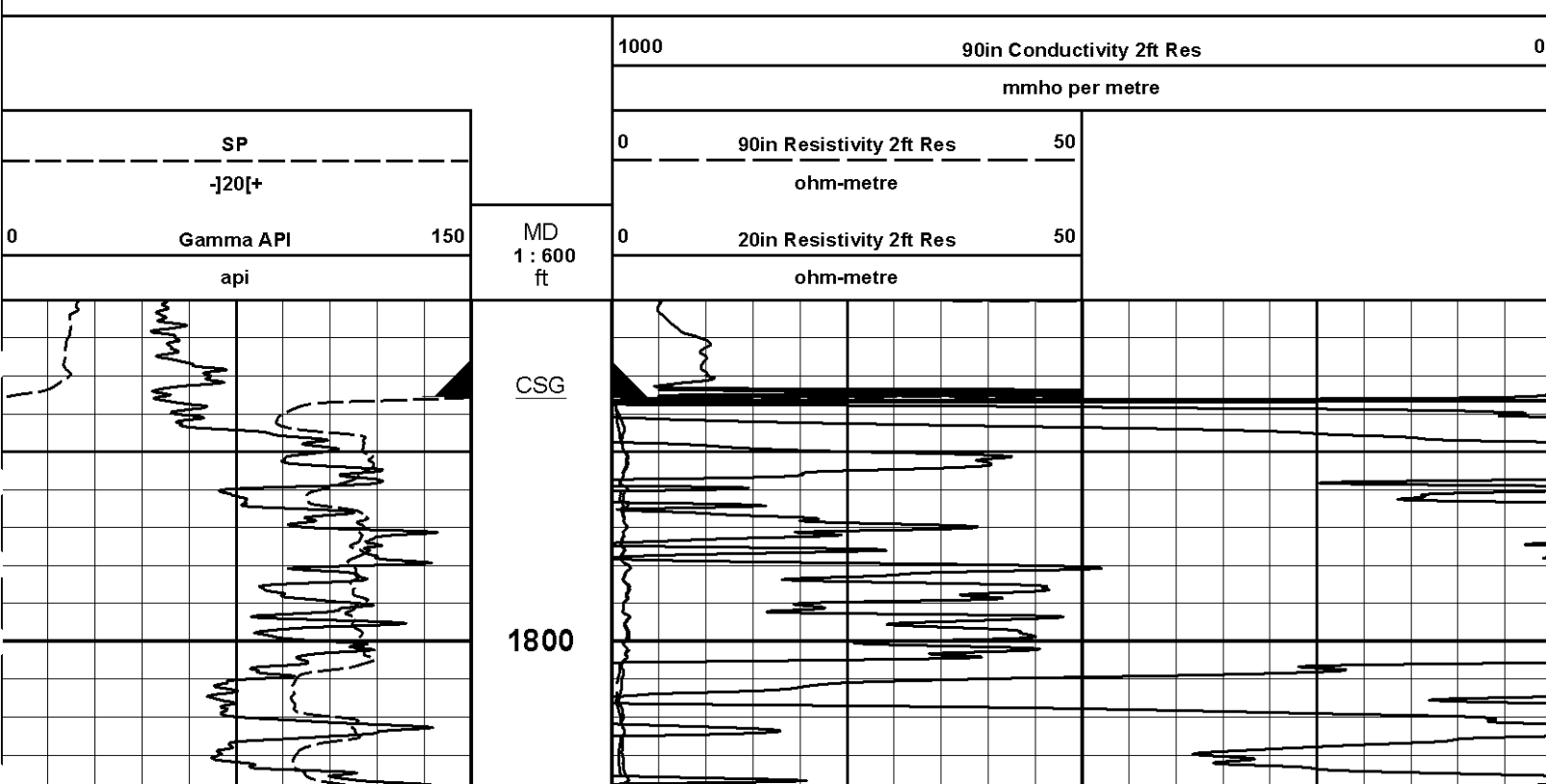
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES, LIBERAL, KS 620-624-8123

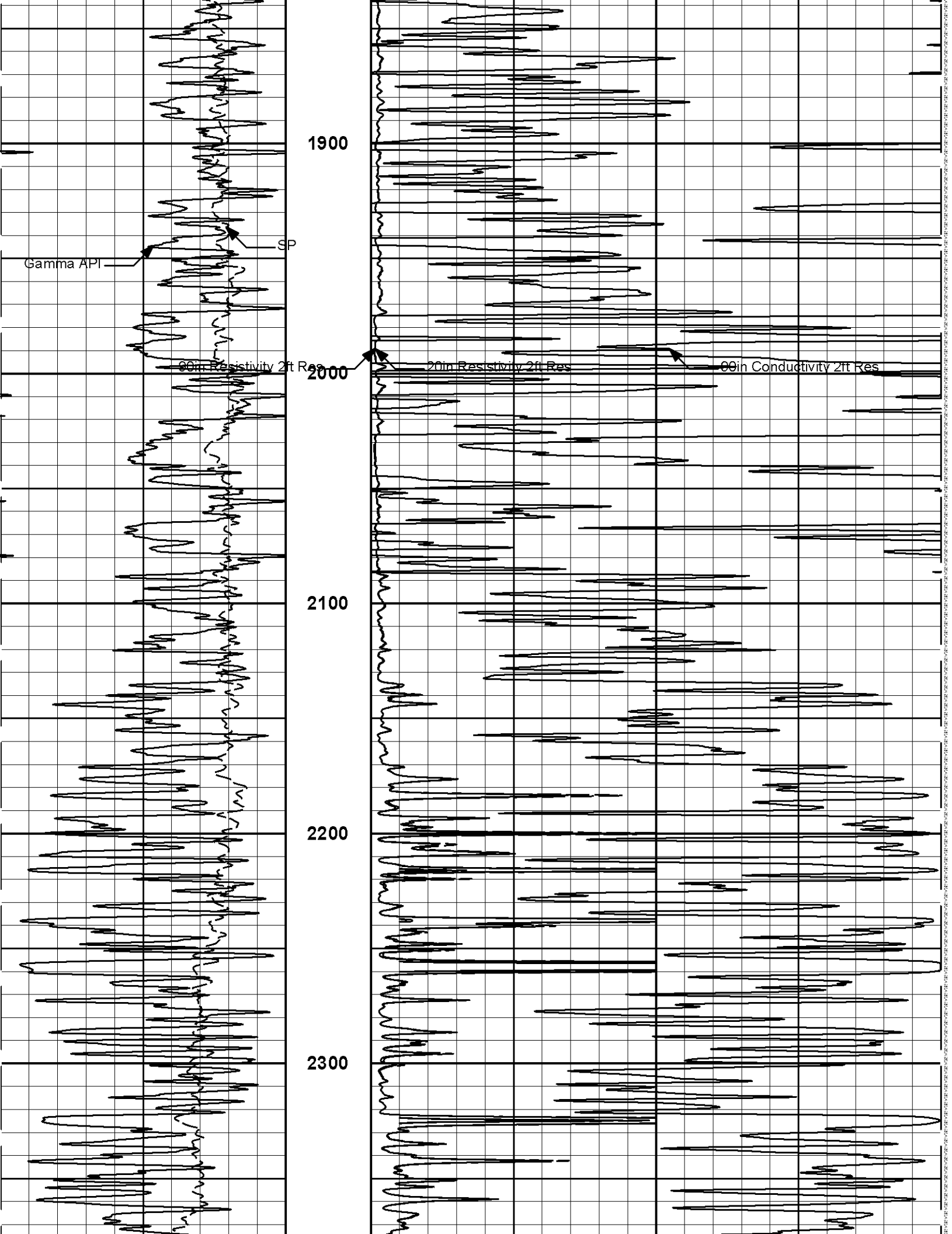
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR 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.

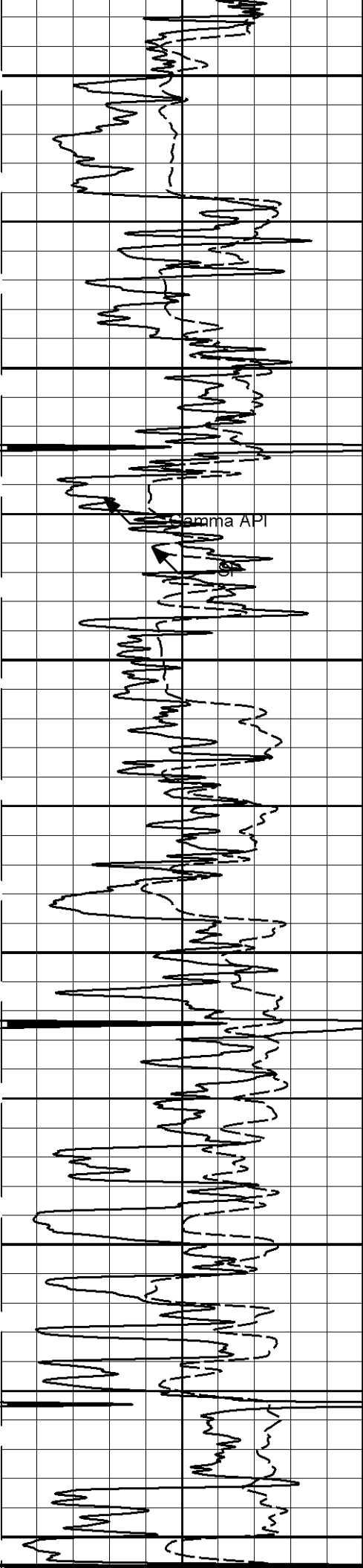
HALLIBURTON

Plot Time: 19-Nov-10 18:06:35
 Plot Range: 1710 ft to 6207.5 ft
 Data: CYNTHIA_35_3\Well Based\DAQ-0001-003\
 Plot File: \\-LOCAL-CYNTHIA_35_3\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\ACRT\ACRT_2_lib

2 INCH MAIN LOG







2400

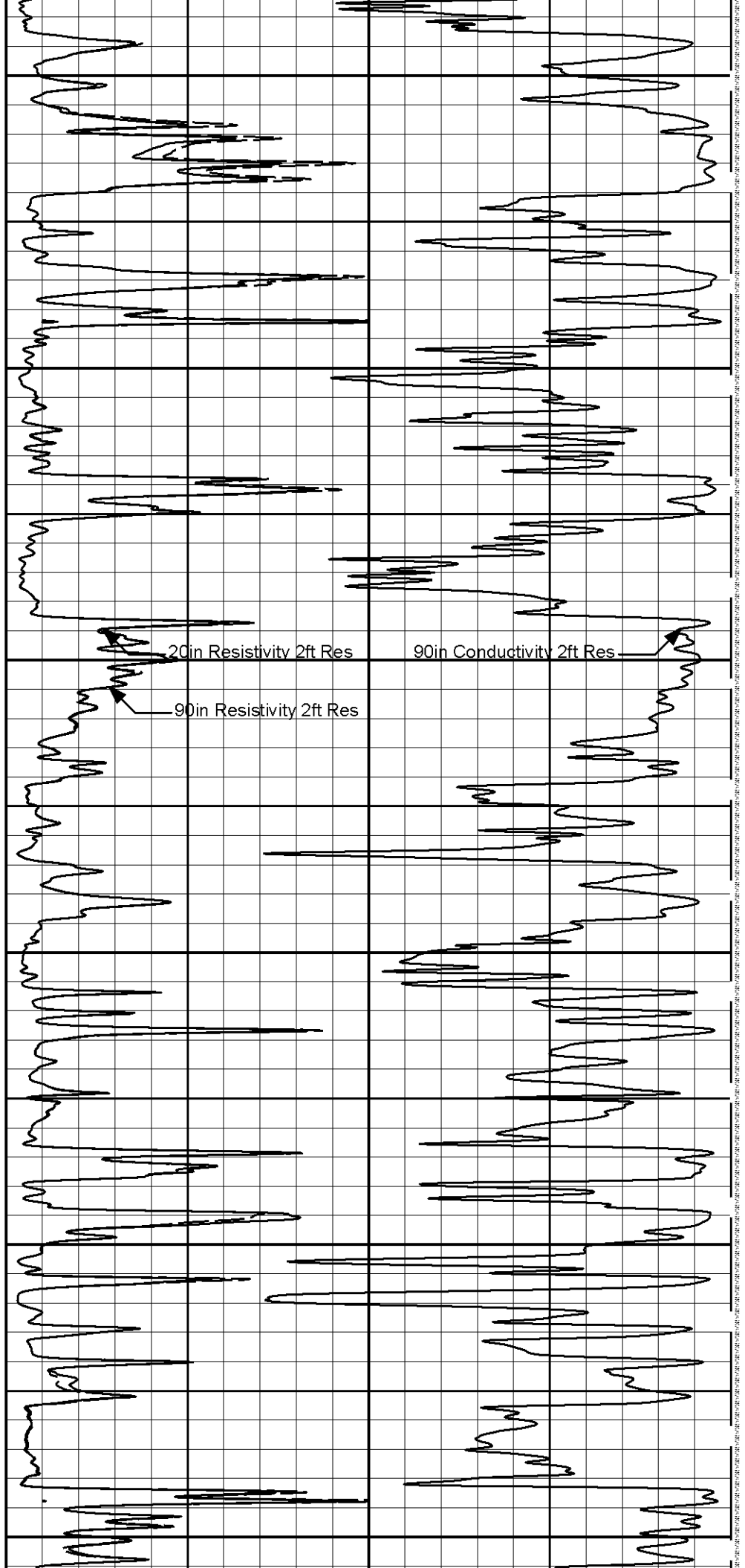
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2600

2700

2800

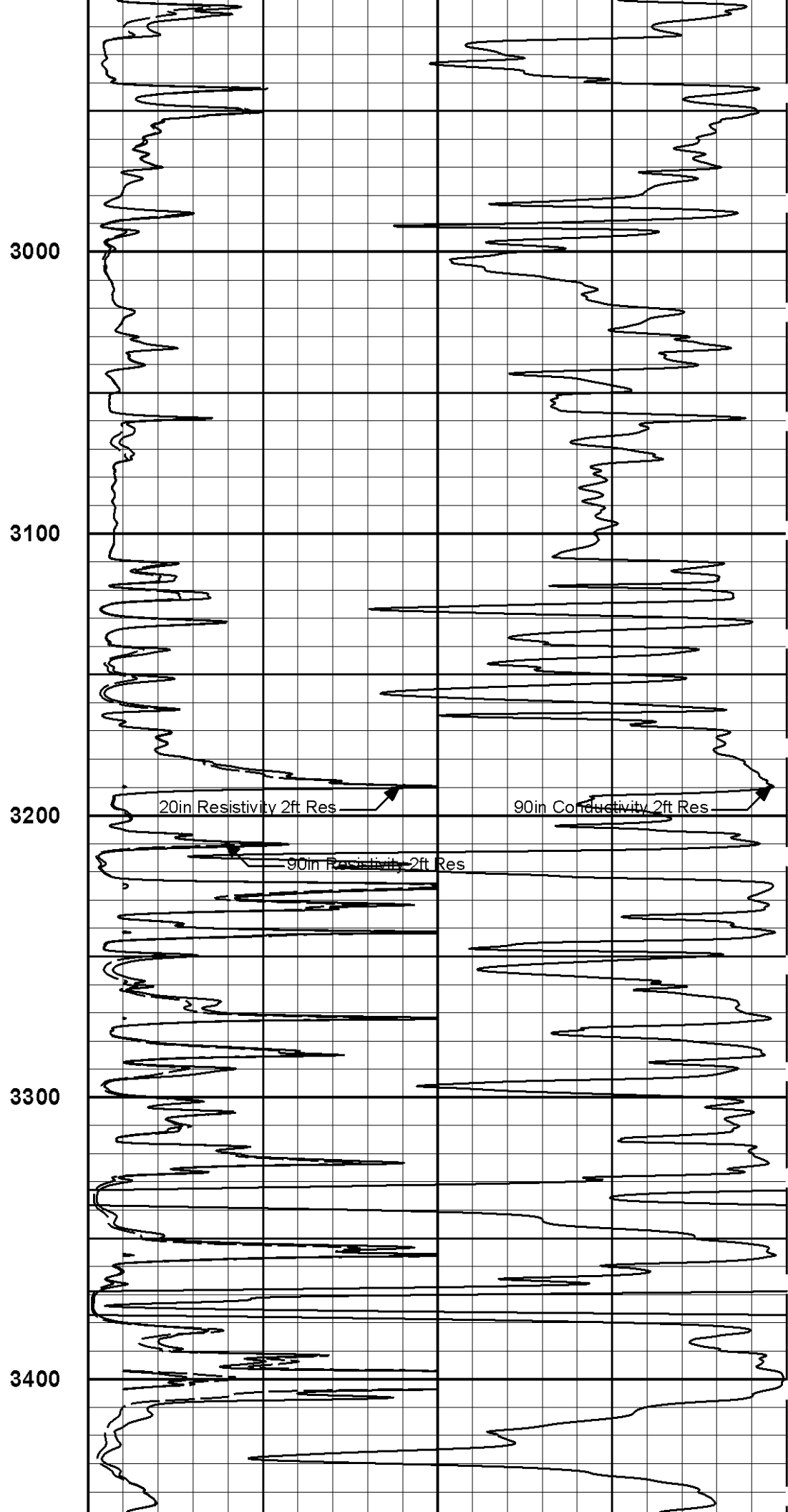
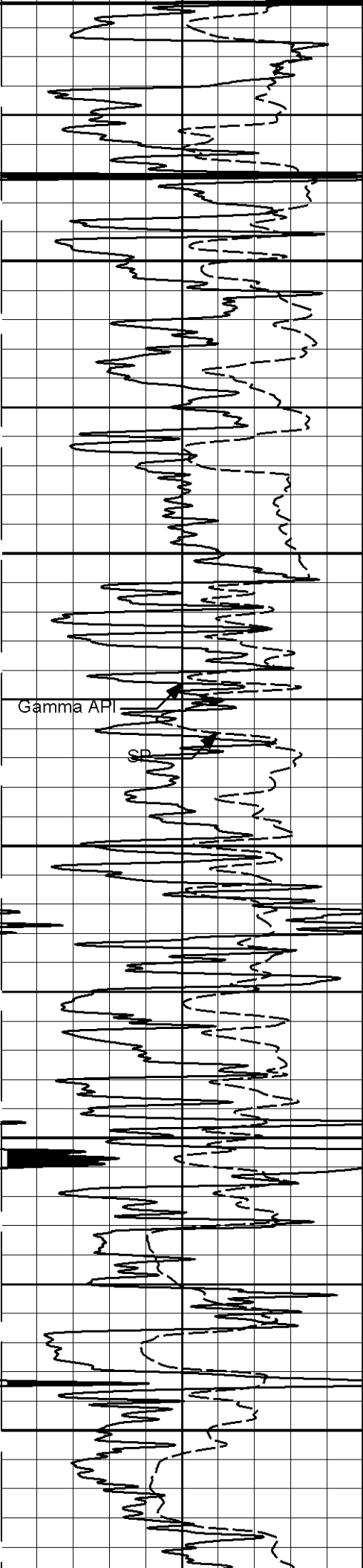
2900

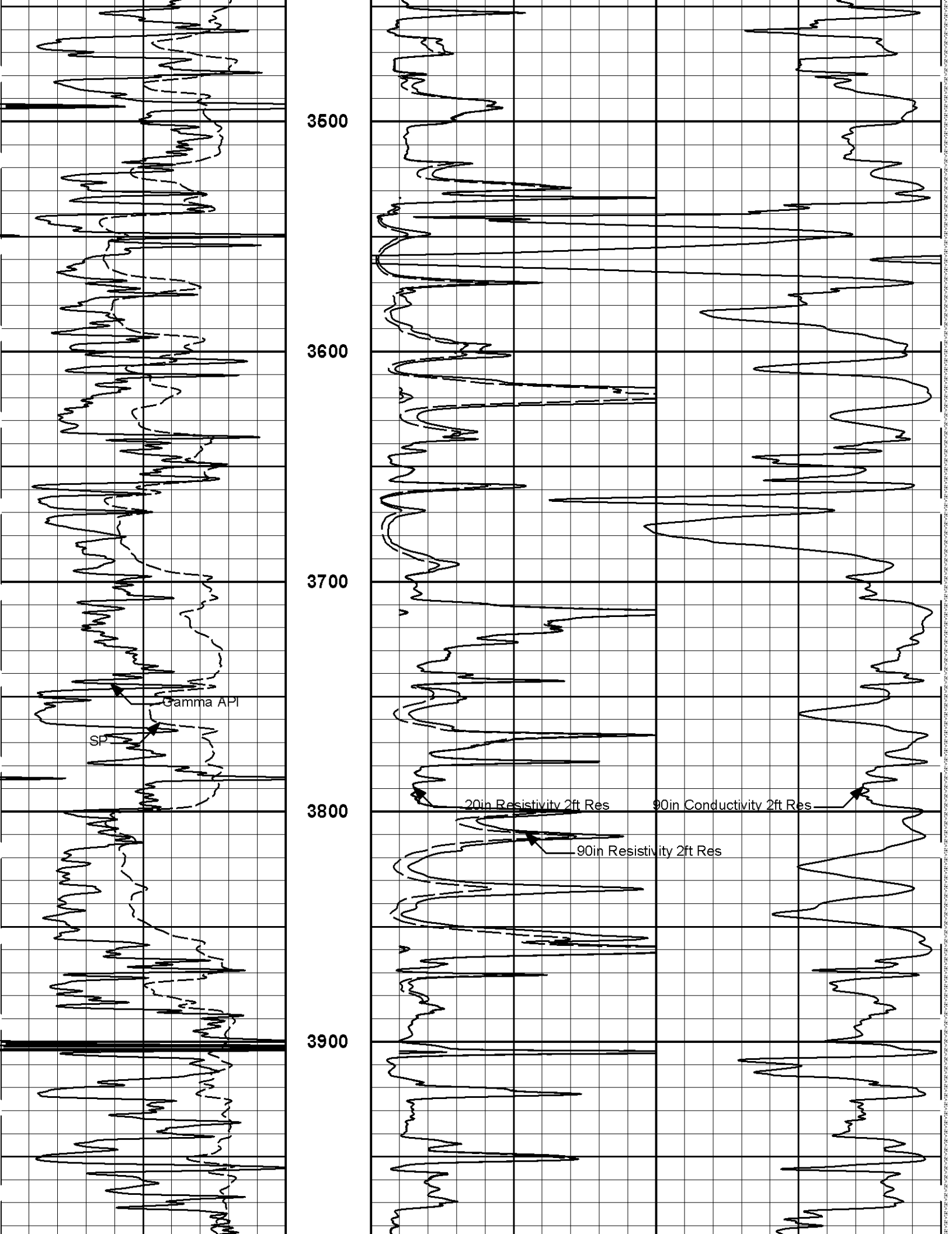


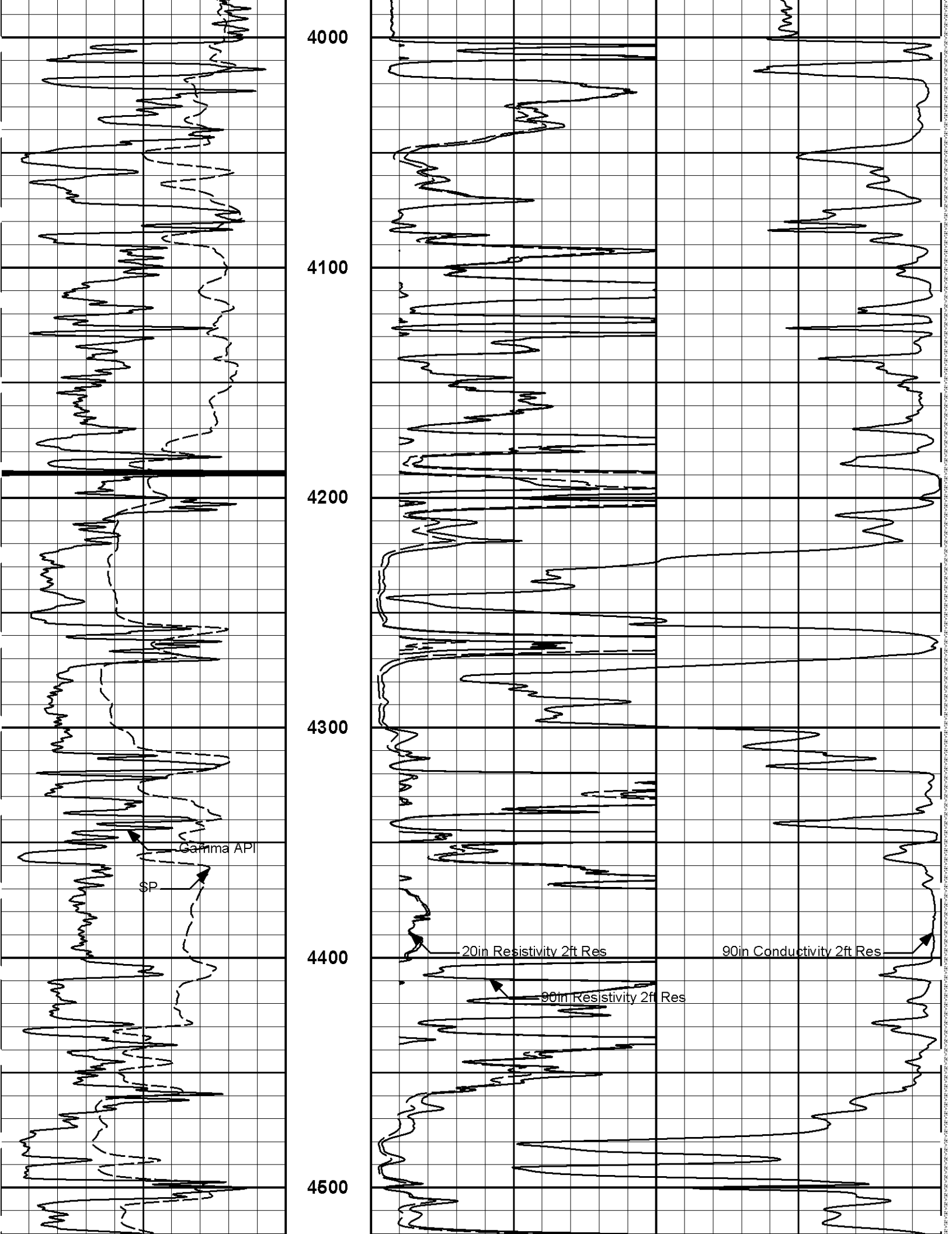
20in Resistivity 2ft Res

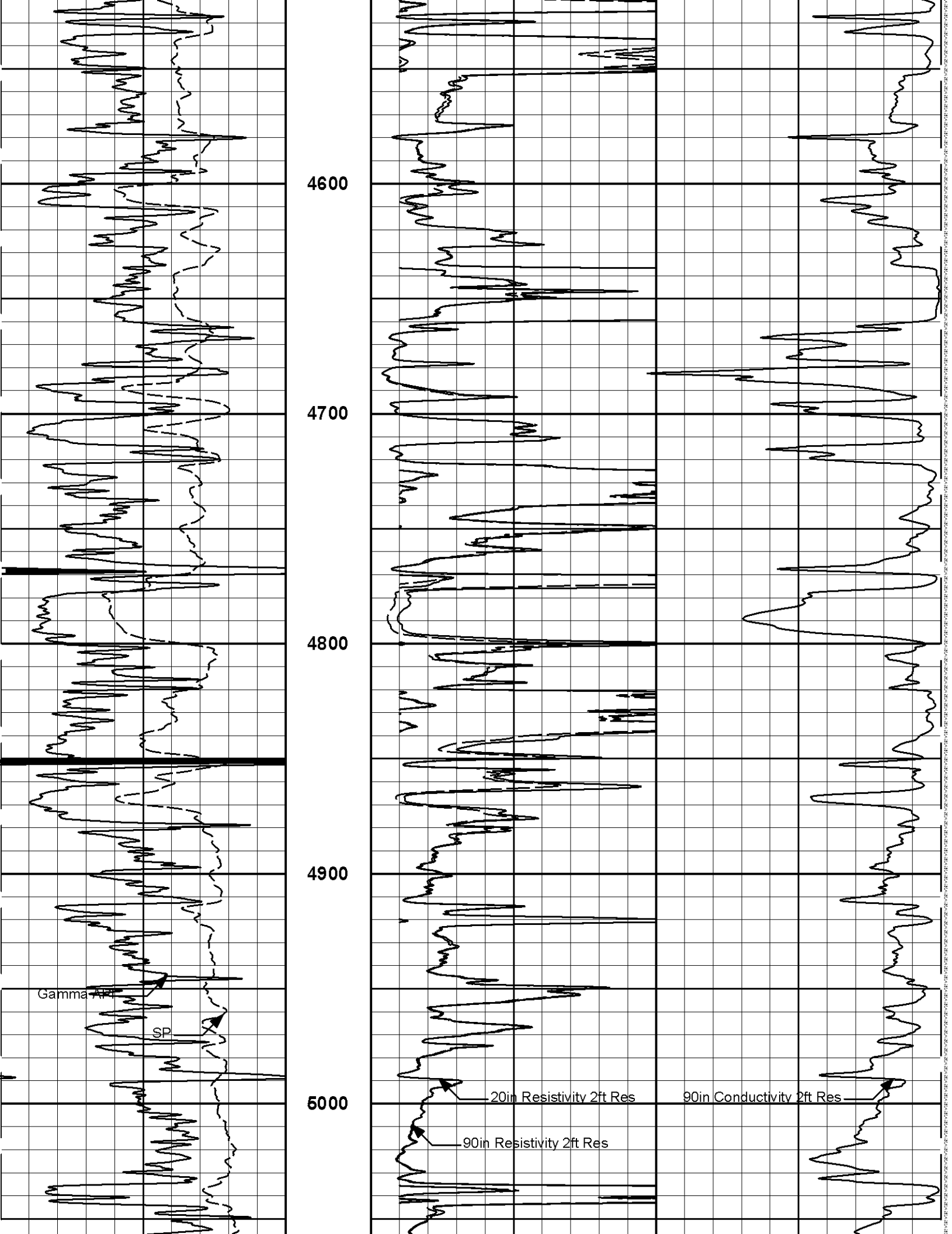
90in Conductivity 2ft Res

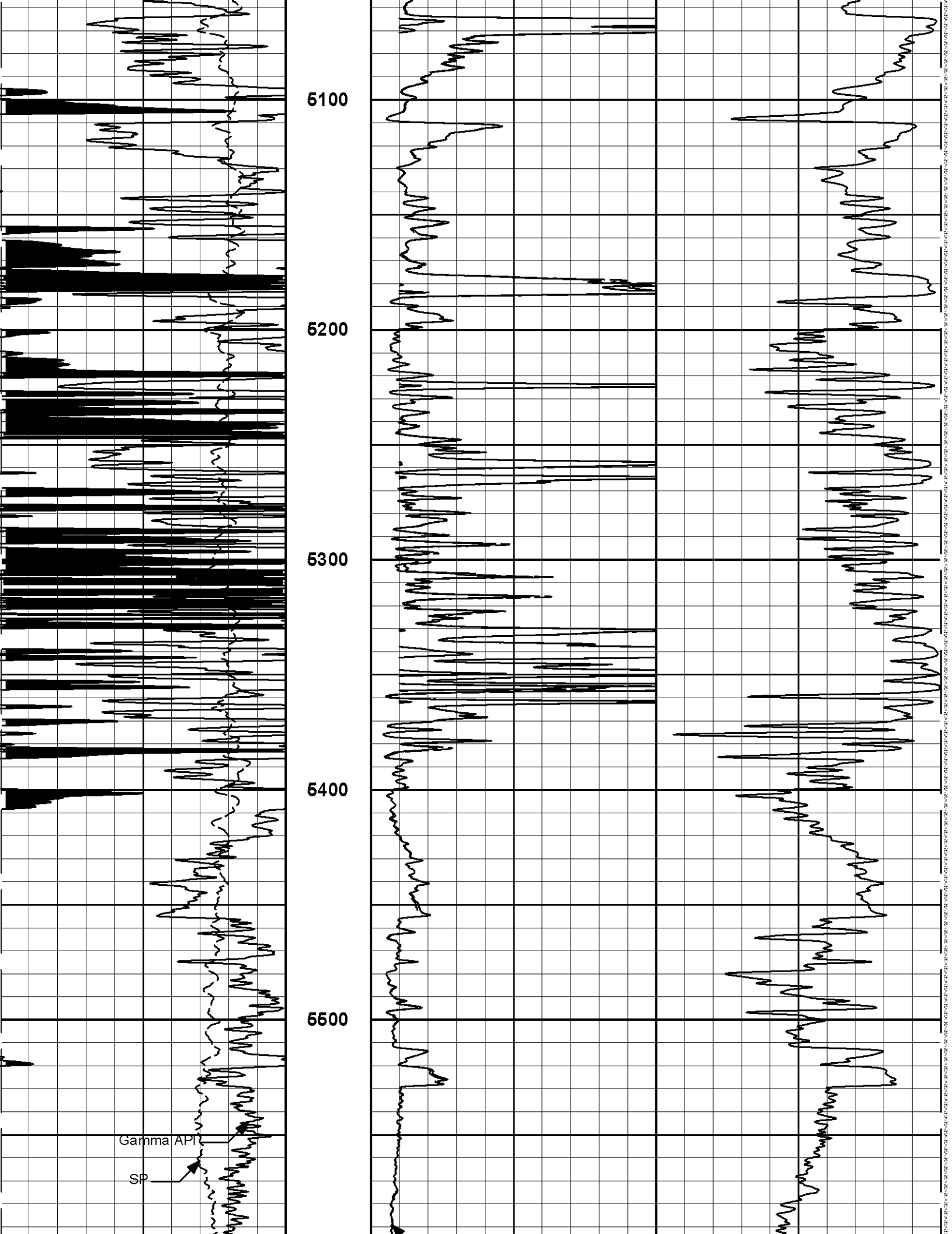
90in Resistivity 2ft Res

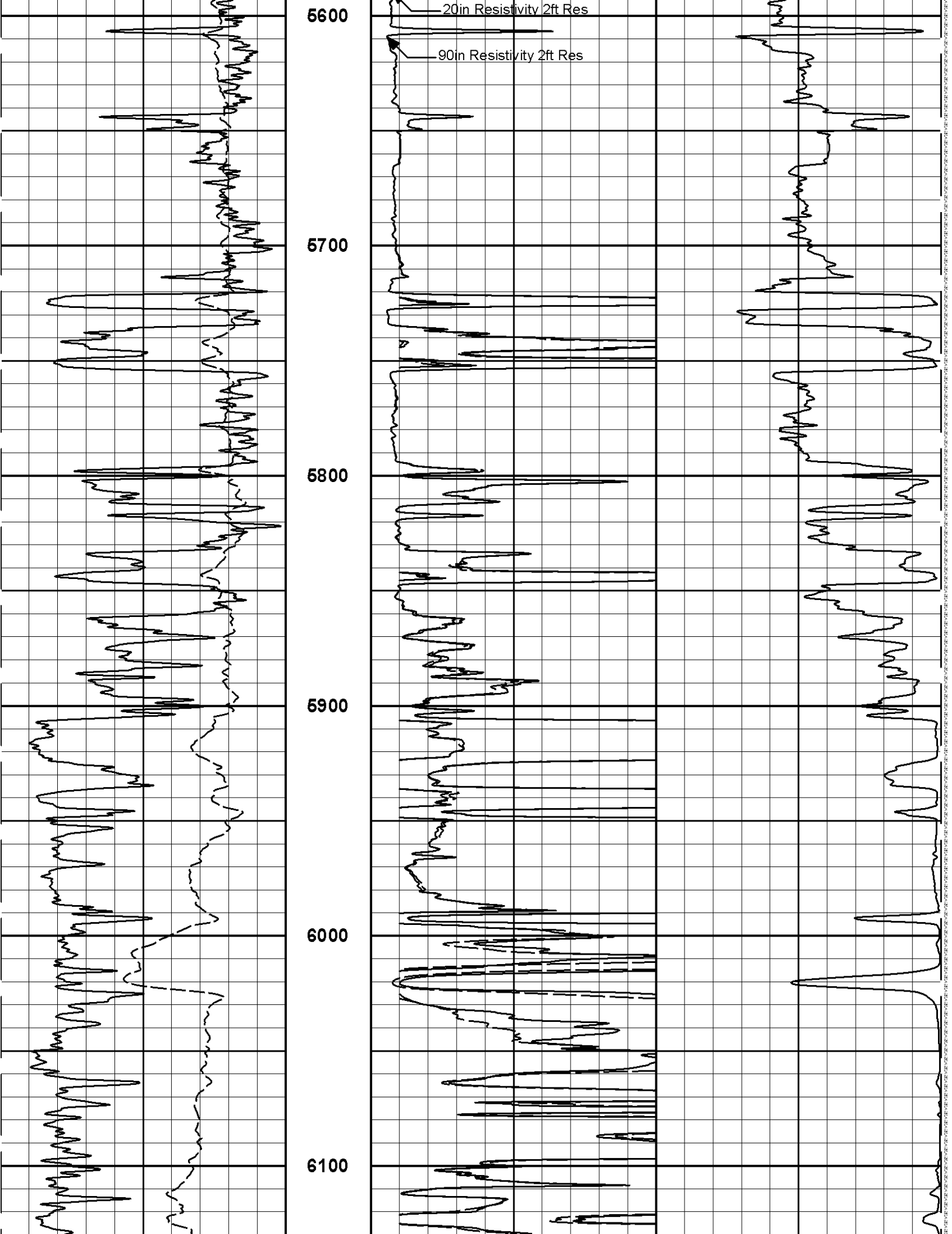


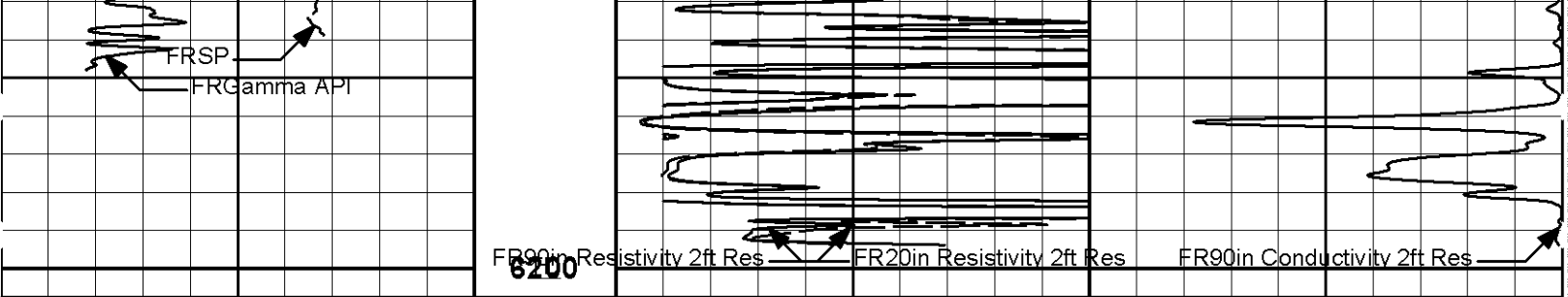












0	Gamma API	150
	api	
	SP	
	- 20 +	

6200	FR90in Resistivity 2ft Res	FR20in Resistivity 2ft Res
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FR90in Conductivity 2ft Res

MD	1 : 600	ft
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0	20in Resistivity 2ft Res	50
	ohm-metre	
0	90in Resistivity 2ft Res	50
	ohm-metre	

1000	90in Conductivity 2ft Res	0
	mmho per metre	

Plot Time: 19-Nov-10 18:06:42
 Plot Range: 1710 ft to 6207.5 ft
 Data: CYNTHIA_35_3\Well Based\DAQ-0001-003\
 Plot File: \\-LOCAL-\CYNTHIA_35_3\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\ACRT\ACRT_2_lib

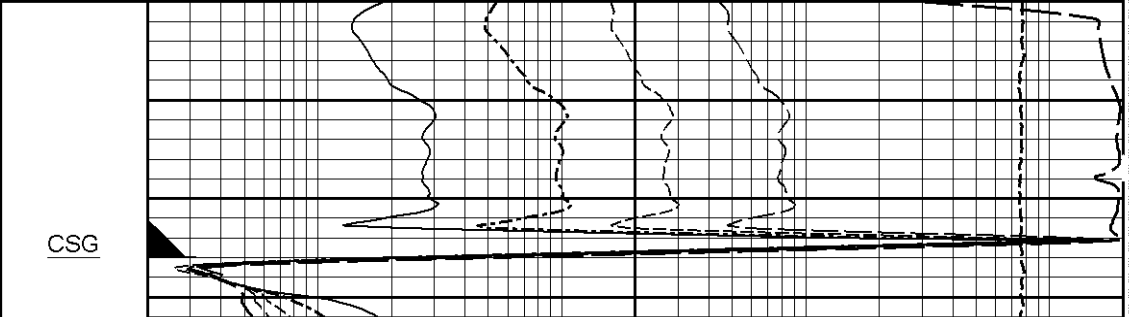
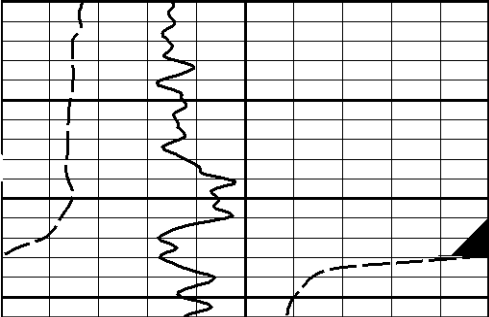
2 INCH MAIN LOG

Plot Time: 19-Nov-10 18:06:42
 Plot Range: 1710 ft to 6207.5 ft
 Data: CYNTHIA_35_3\Well Based\DAQ-0001-003\
 Plot File: \\-LOCAL-\CYNTHIA_35_3\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\ACRT\ACRT_5_main_lib

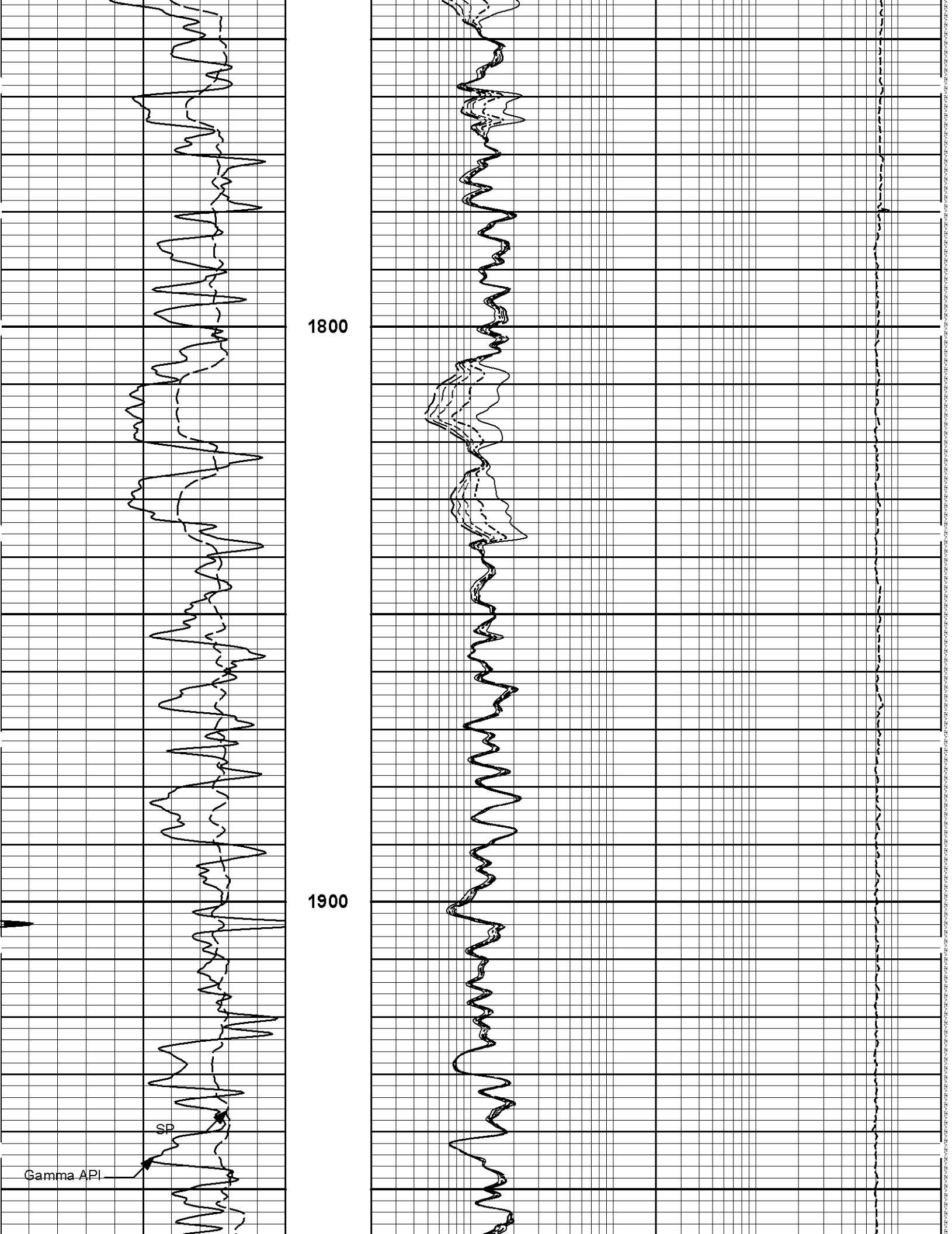
5 INCH MAIN LOG

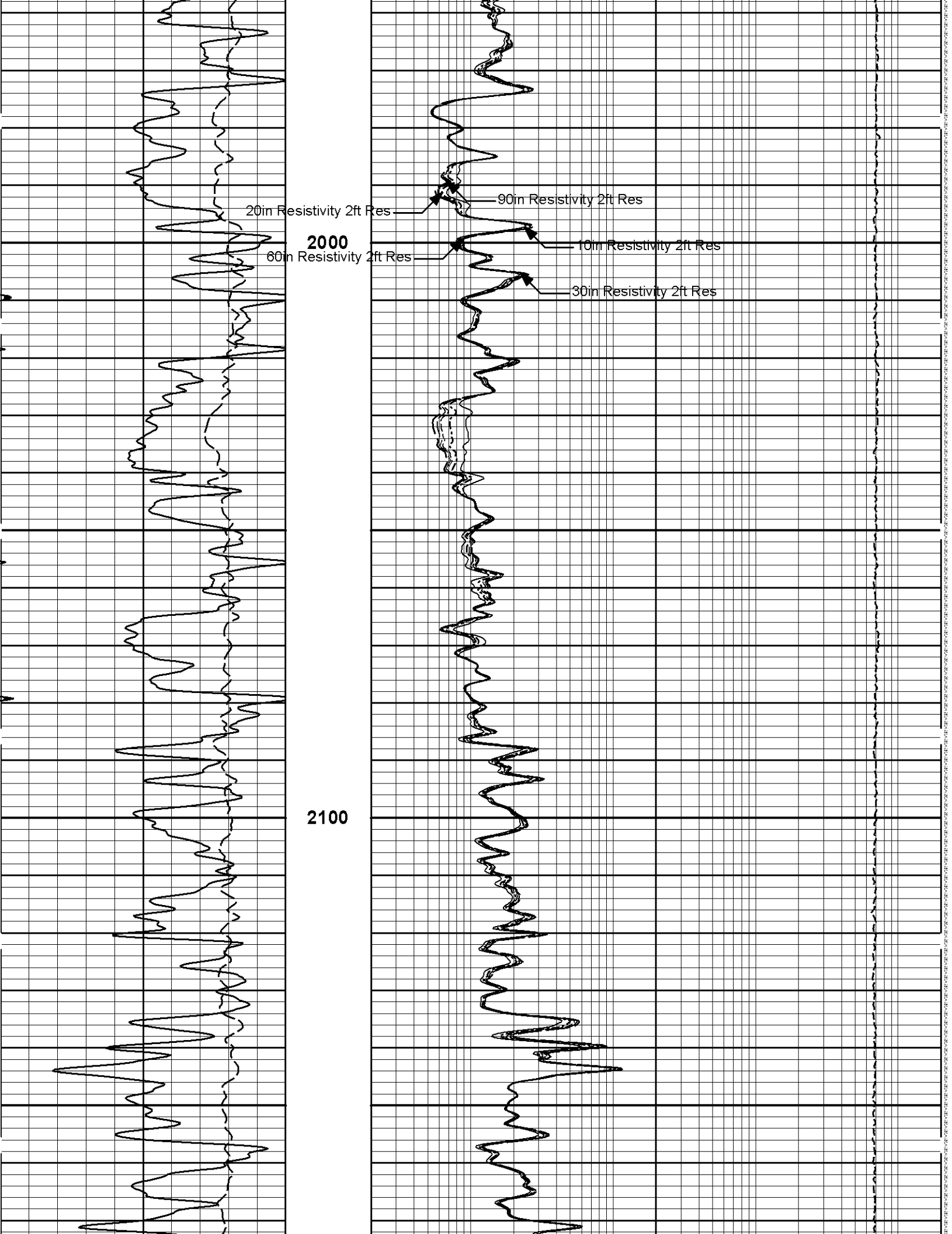
0	Gamma API	150
	api	
	SP	
	- 20 +	

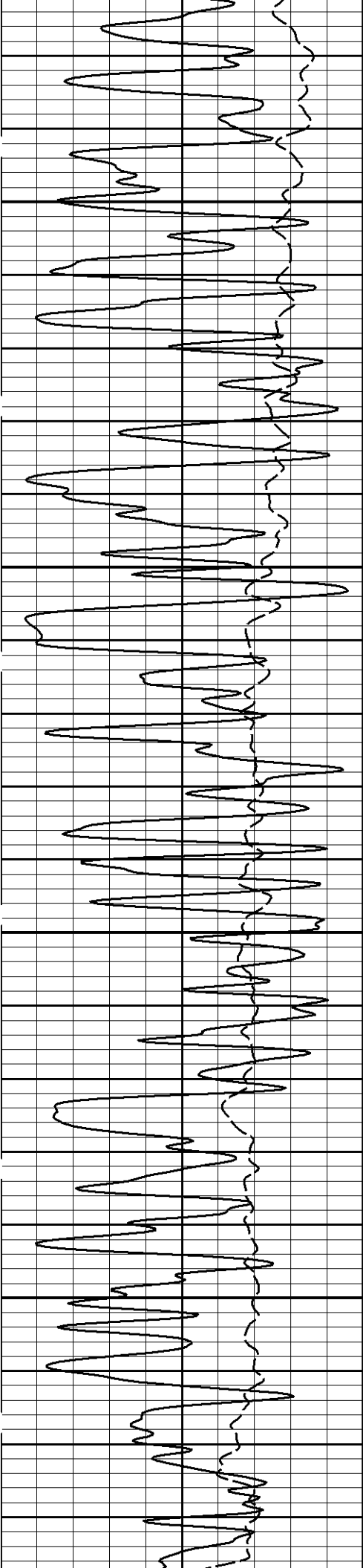
0.2	90in Resistivity 2ft Res	2000
	ohmm	
0.2	60in Resistivity 2ft Res	2000
	ohmm	
0.2	30in Resistivity 2ft Res	2000
	ohm-metre	
0.2	20in Resistivity 2ft Res	2000
	ohmm	
0.2	10in Resistivity 2ft Res	2000
	ohmm	
	10K	Tension
		pounds



CSG

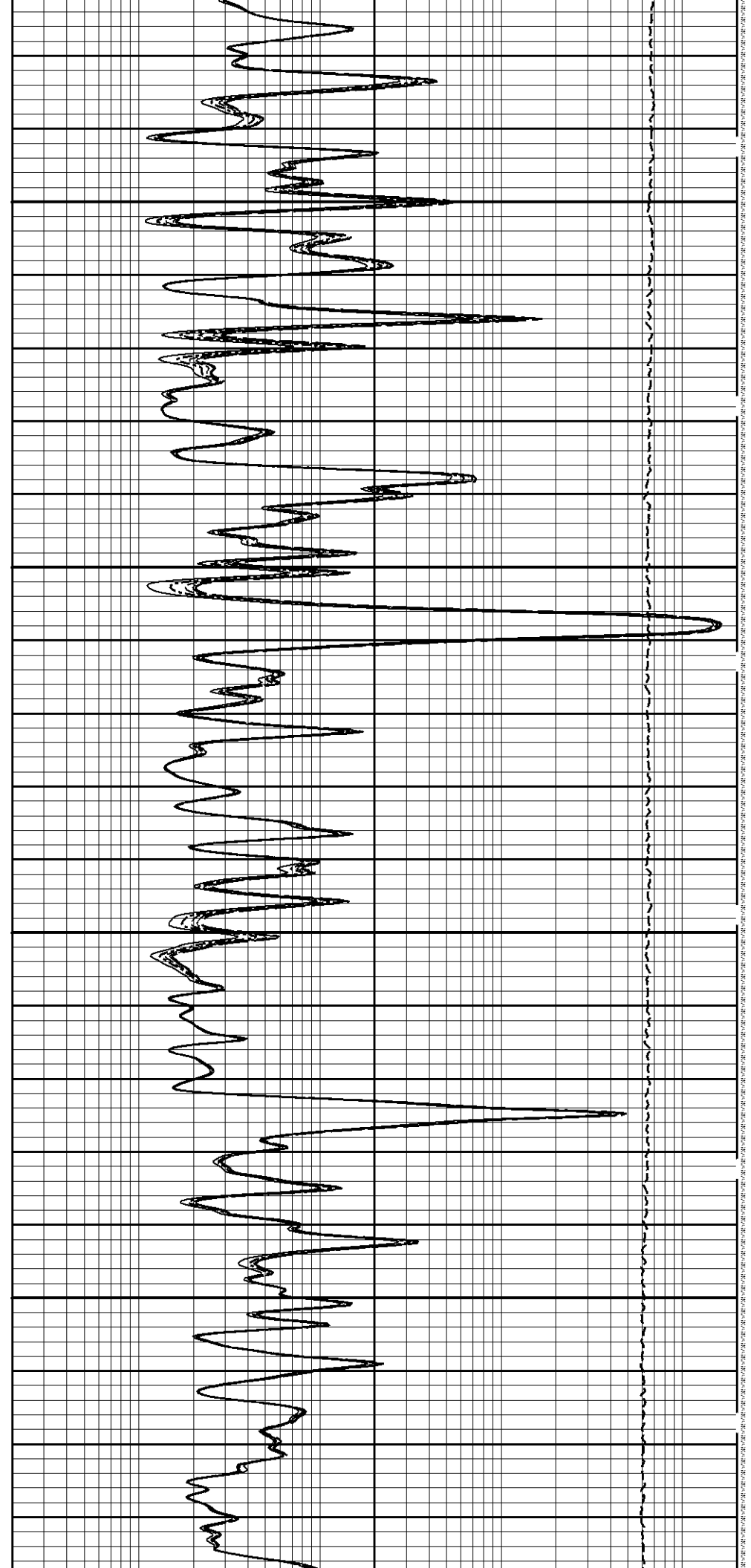


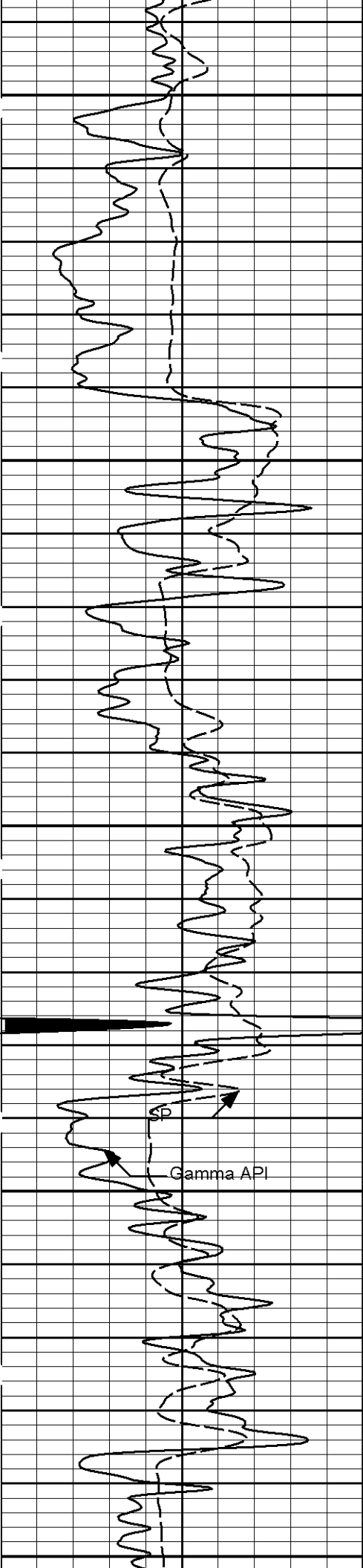




2200

2300

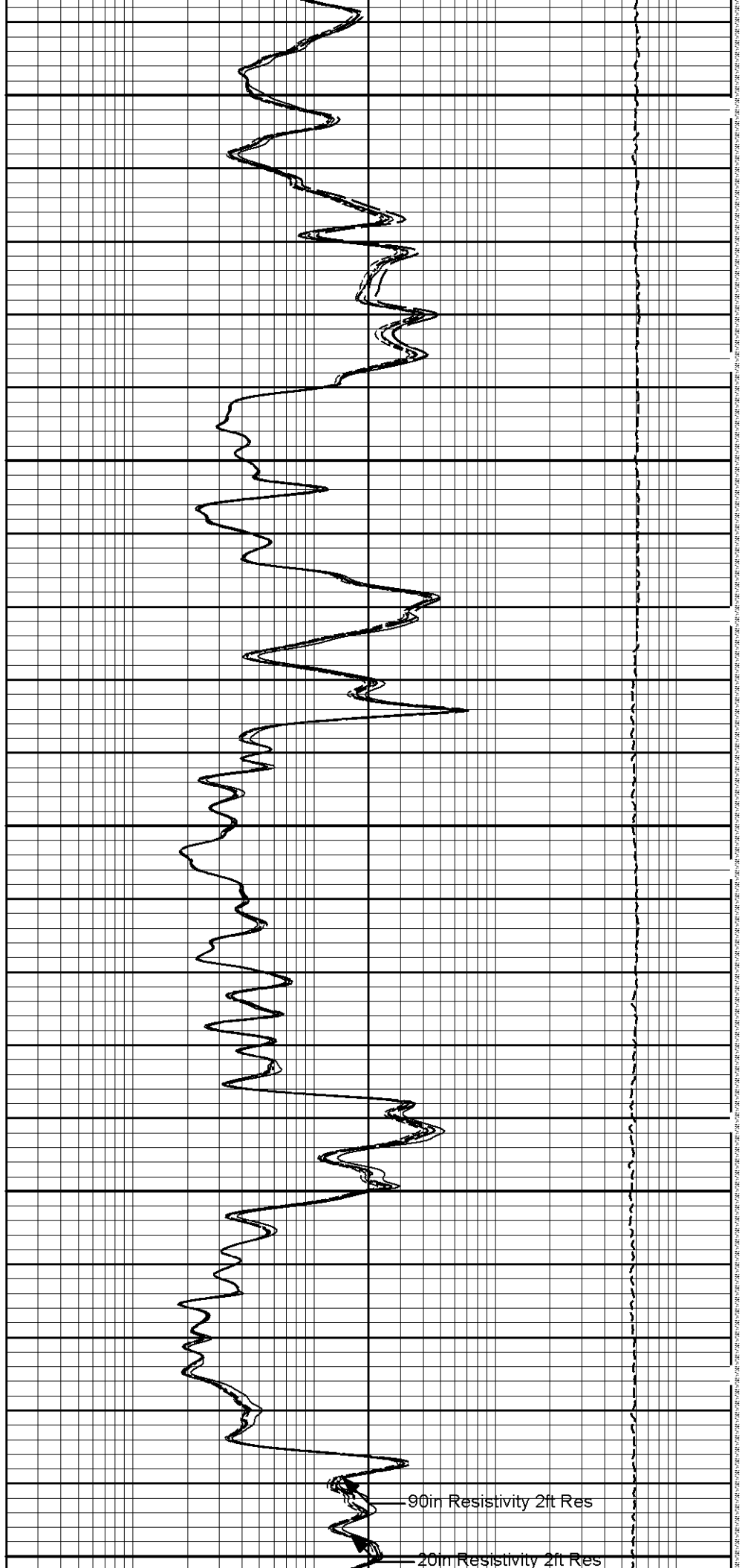




2400

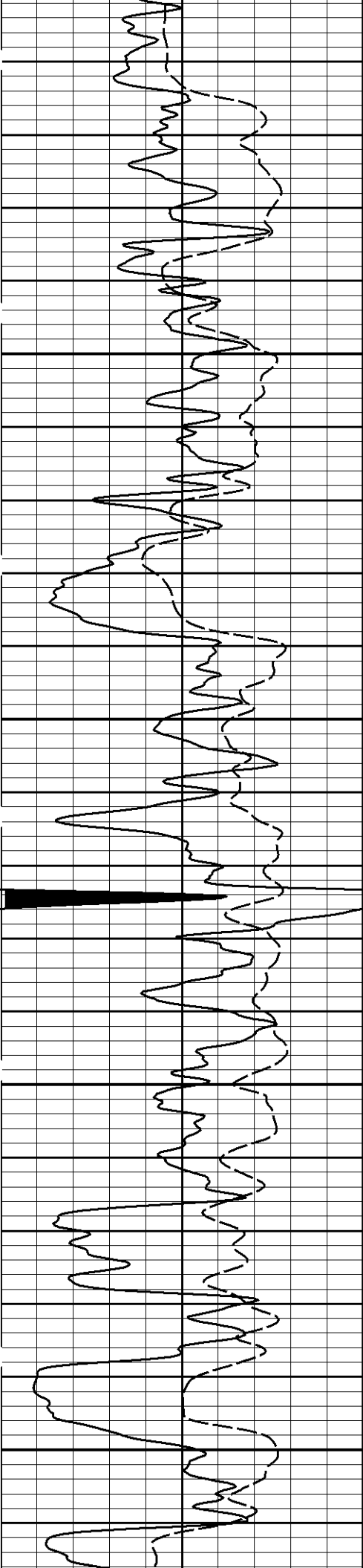
2500

2600



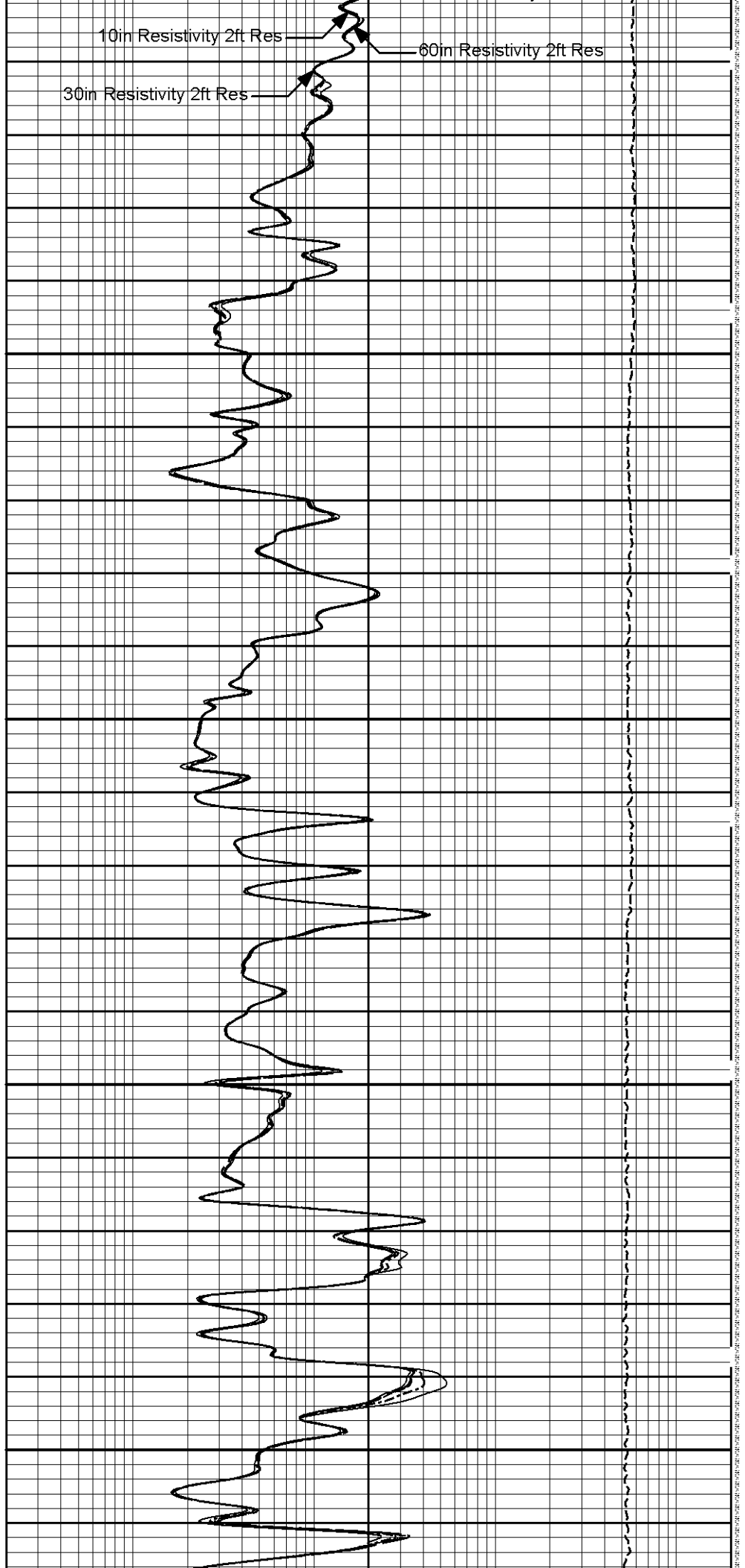
90in Resistivity 2ft Res

20in Resistivity 2ft Res



2700

2800



10in Resistivity 2ft Res

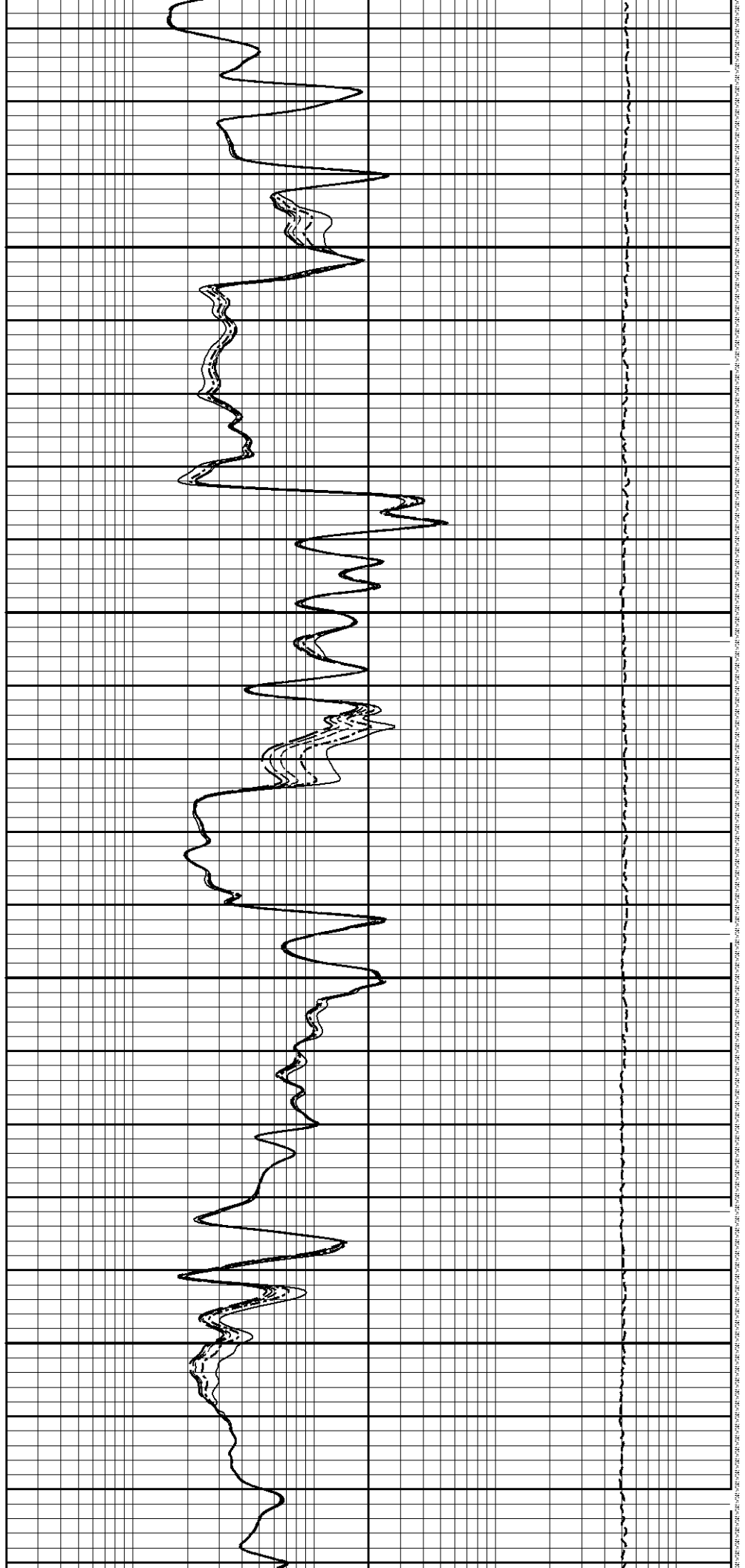
60in Resistivity 2ft Res

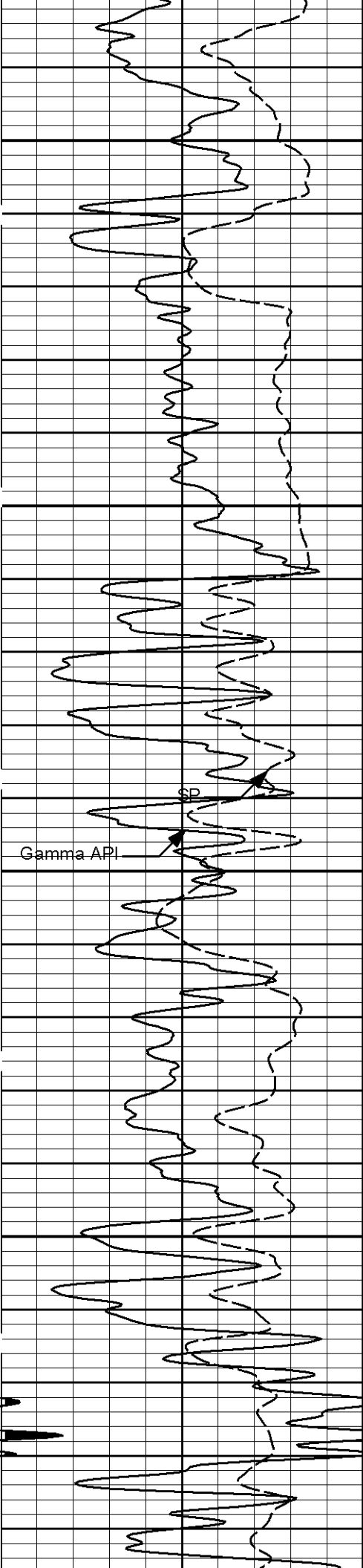
30in Resistivity 2ft Res



2900

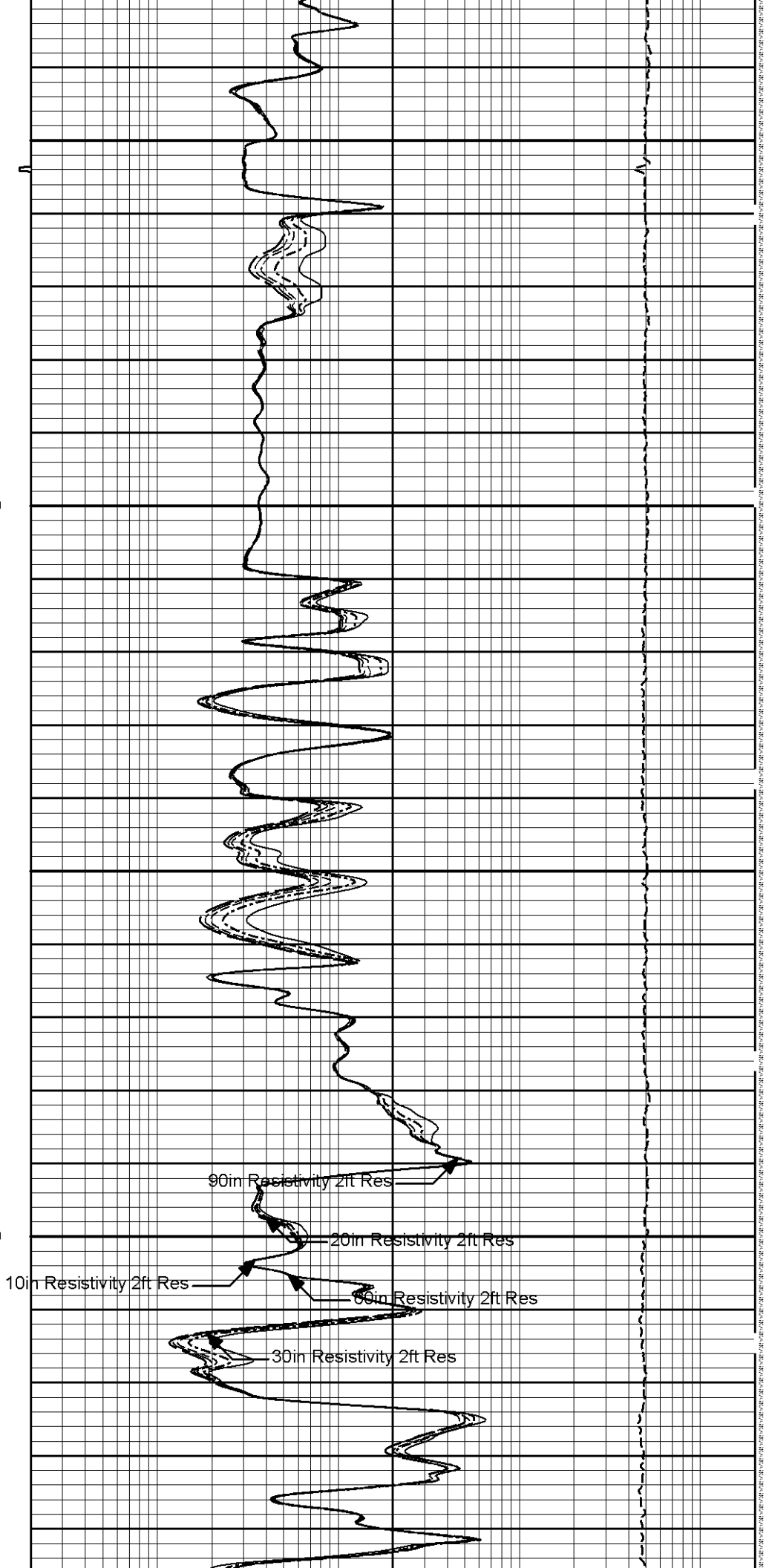
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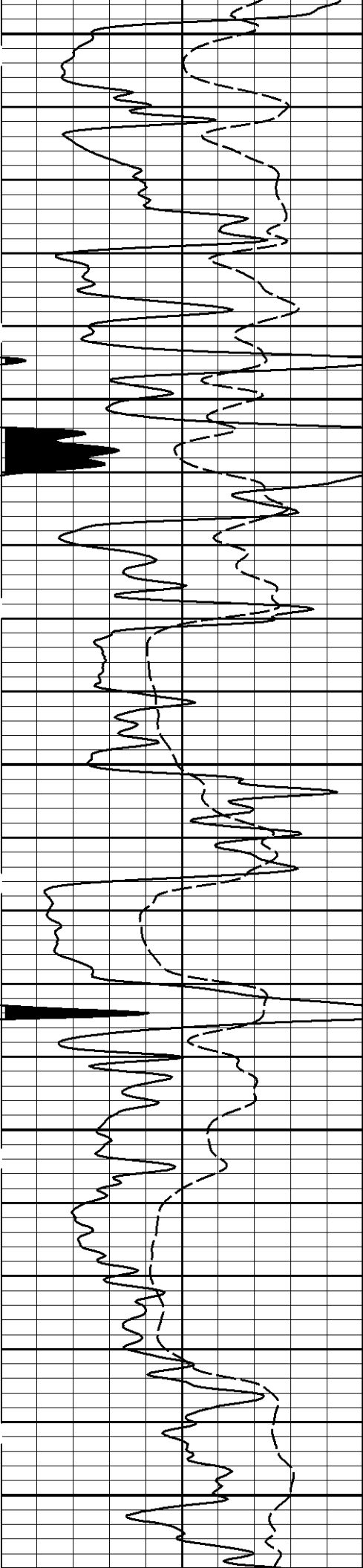




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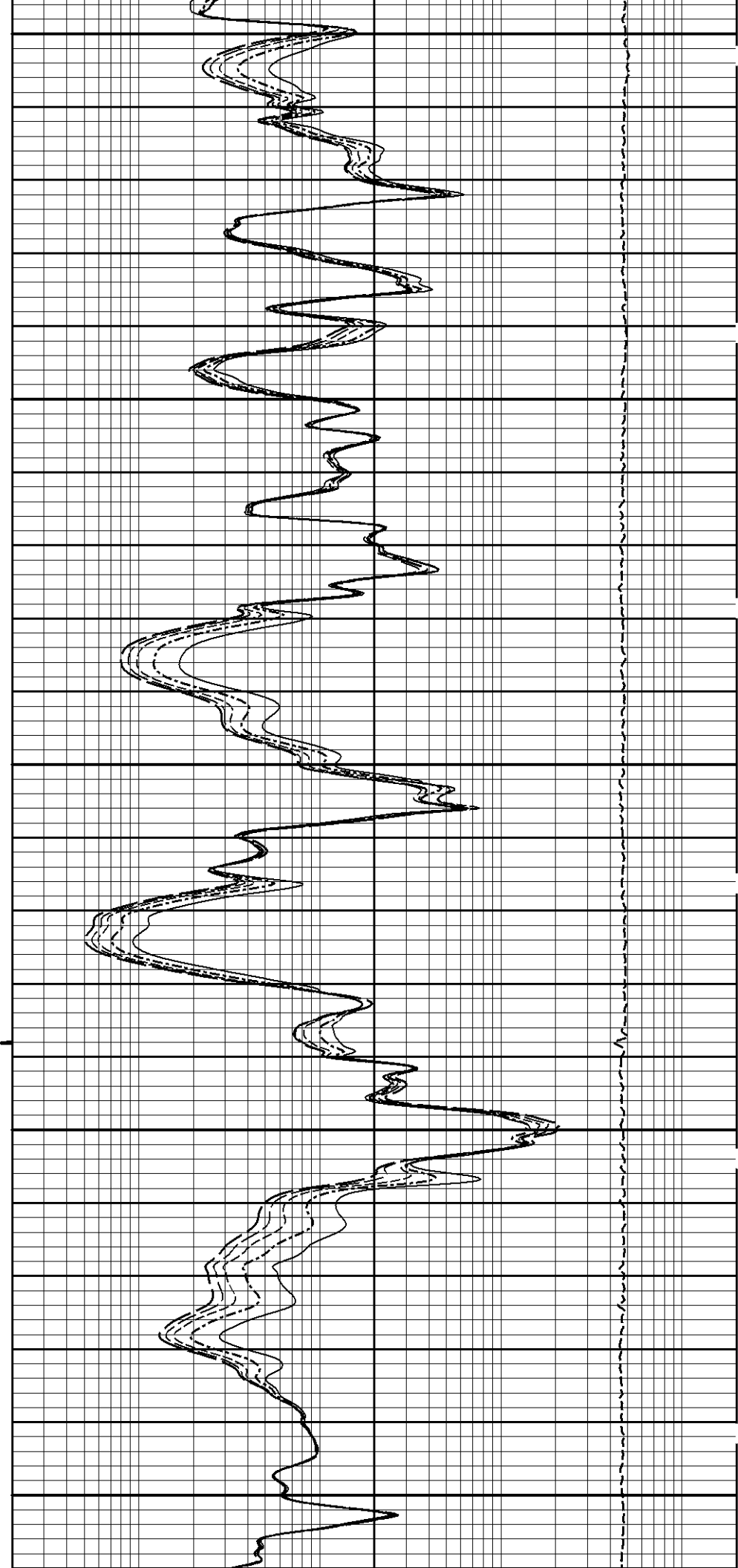
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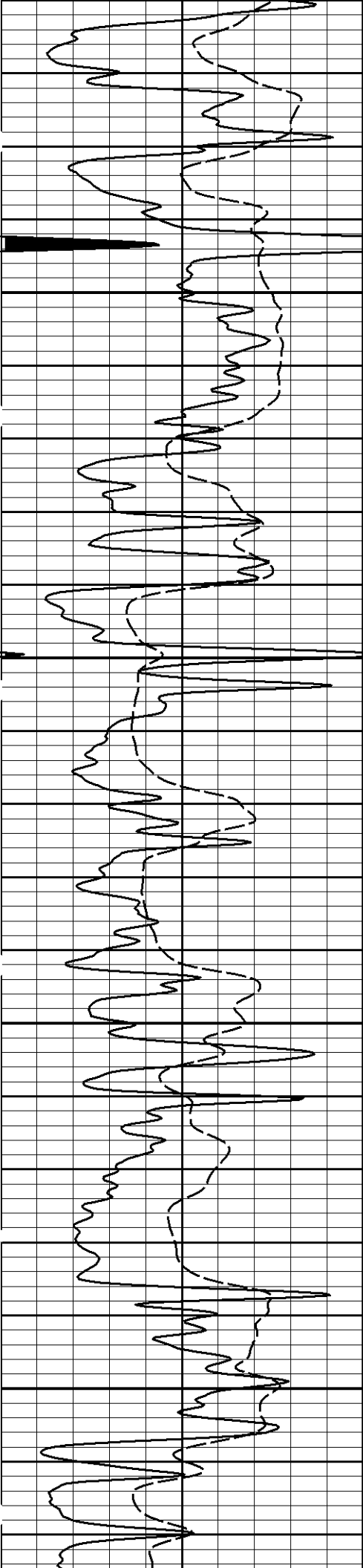




3300

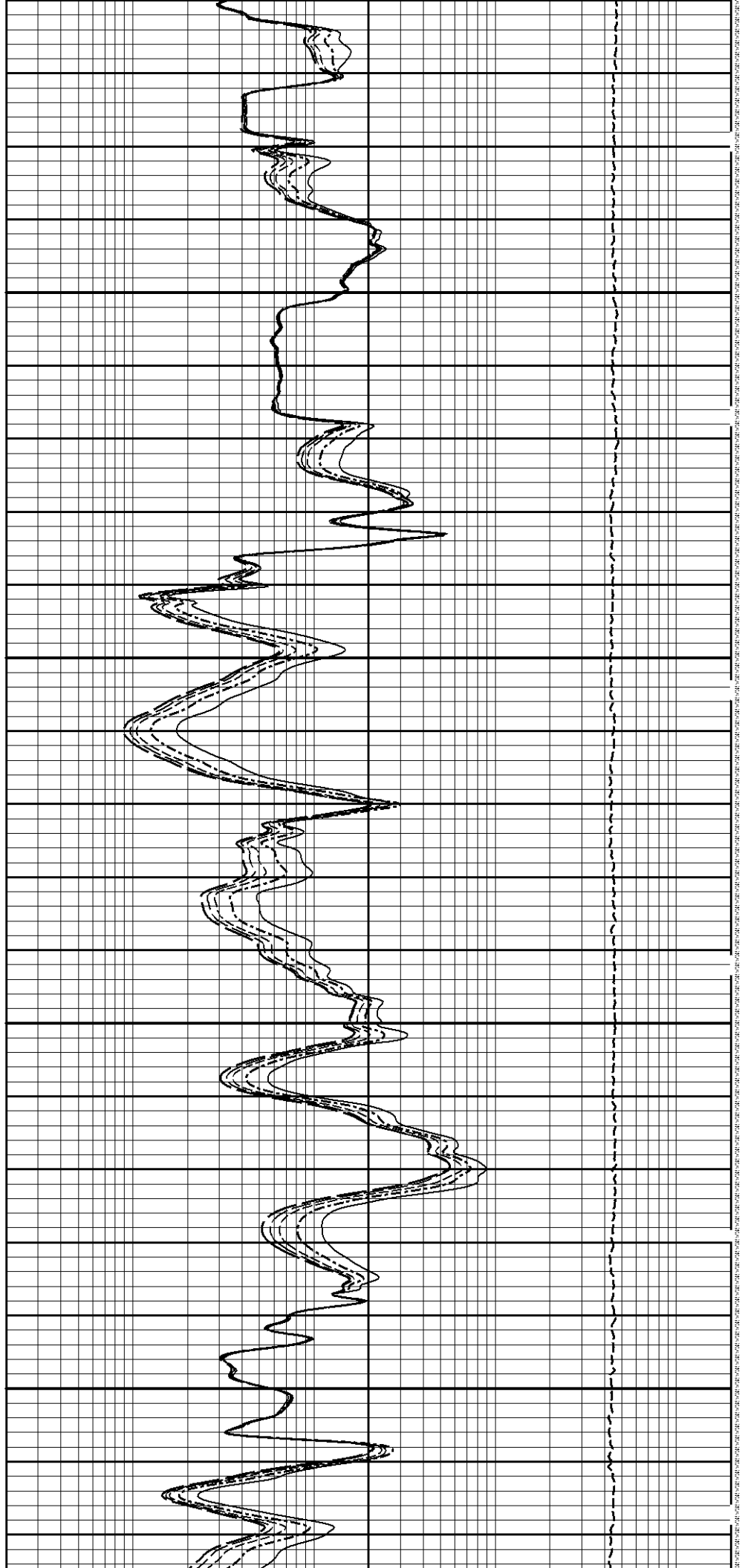
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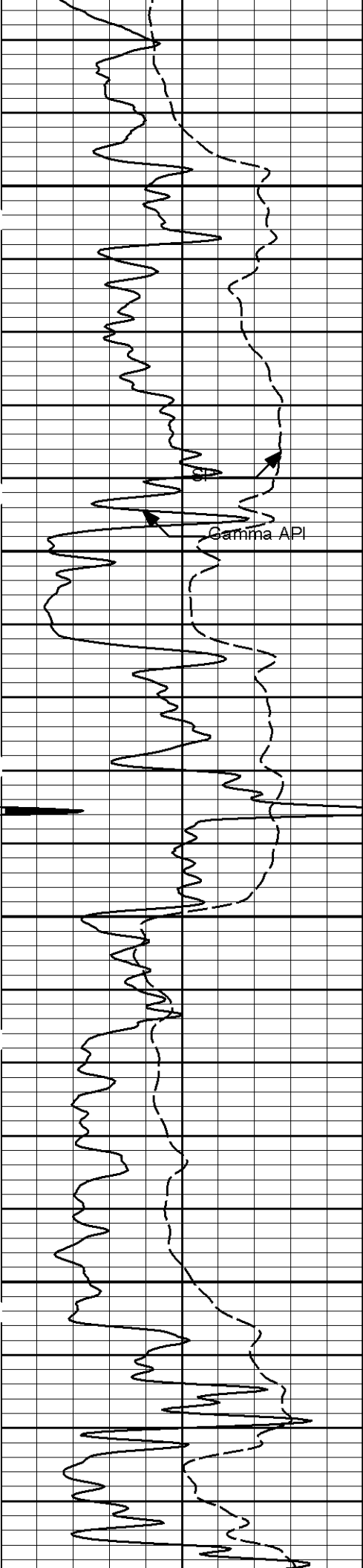




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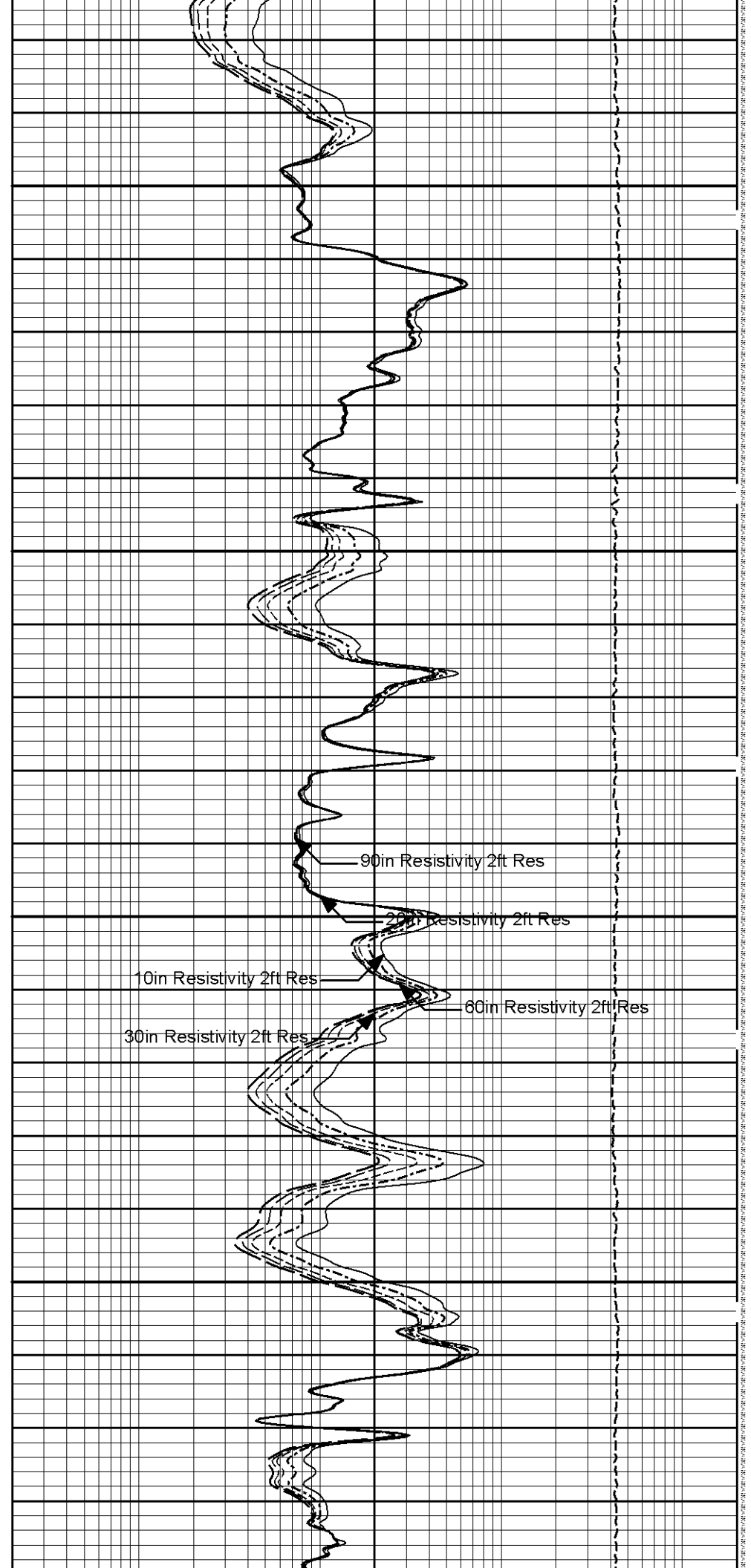
3600





3700

3800



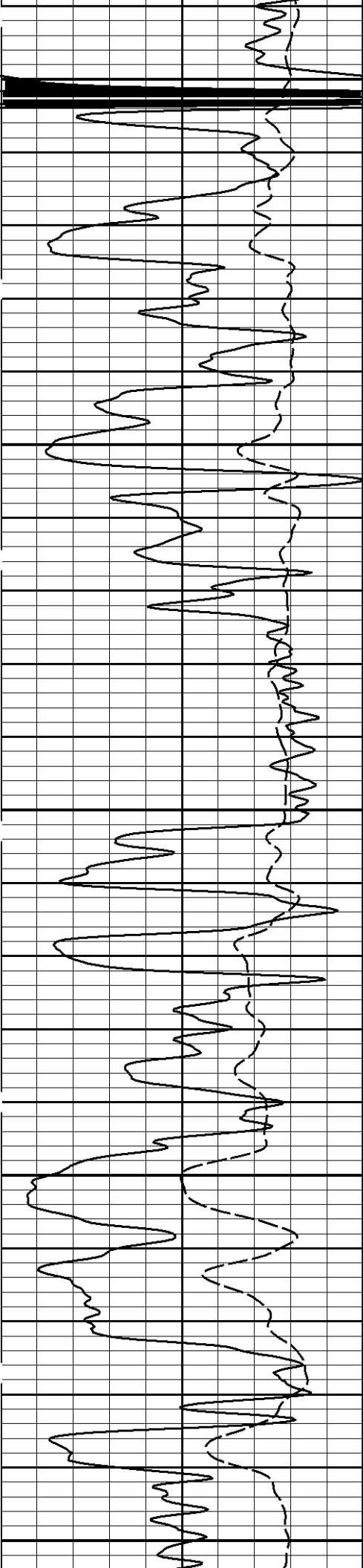
90in Resistivity 2ft Res

20in Resistivity 2ft Res

10in Resistivity 2ft Res

30in Resistivity 2ft Res

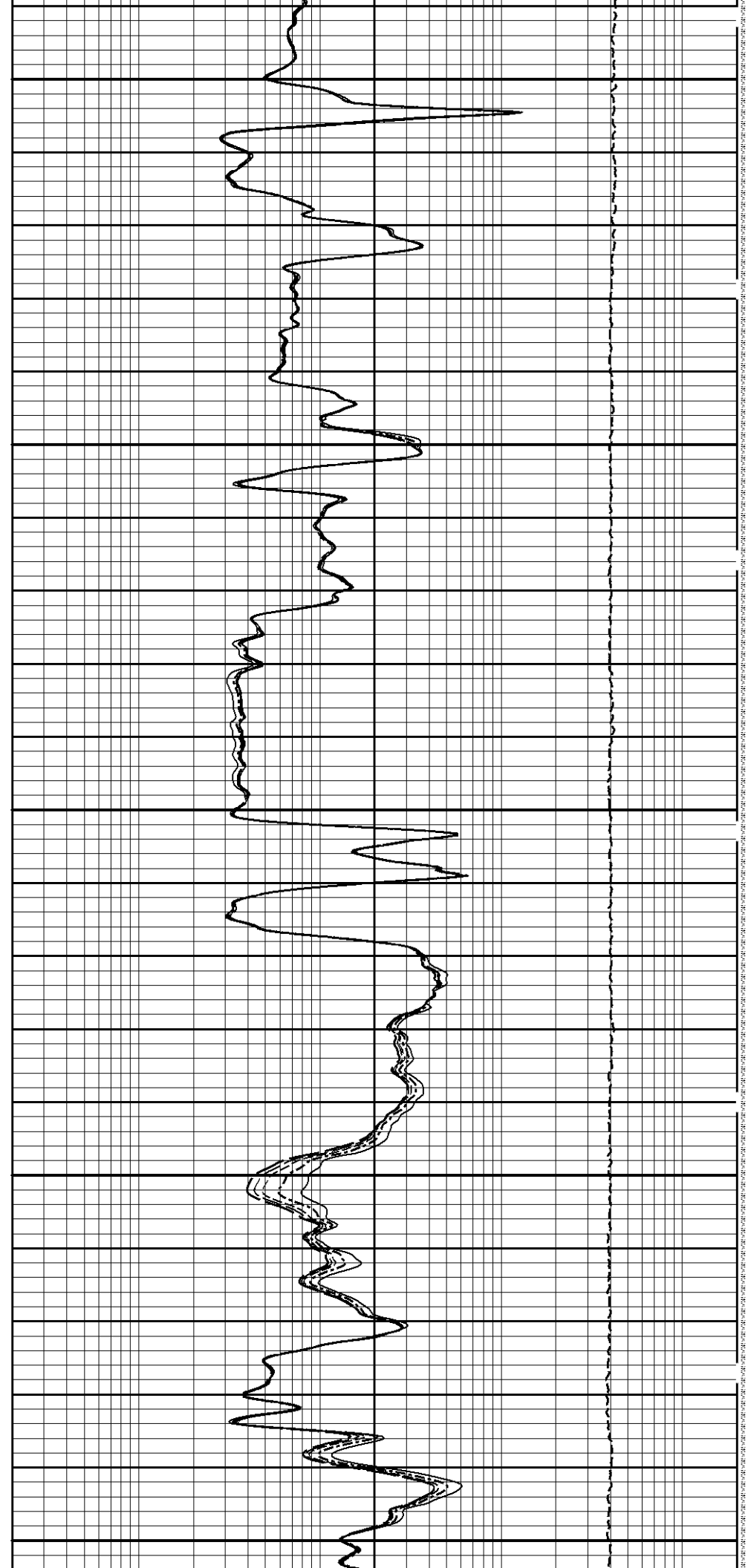
60in Resistivity 2ft Res

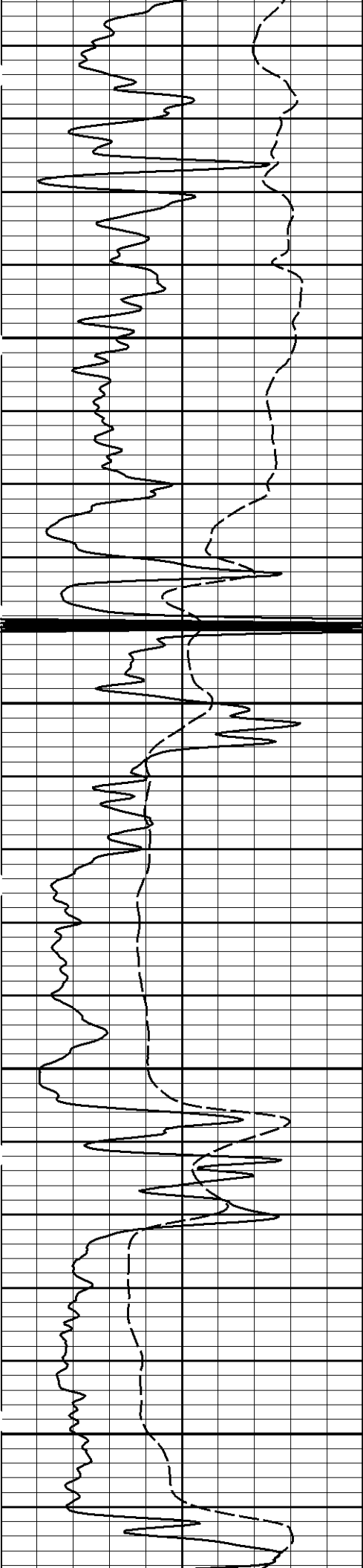


3900

4000

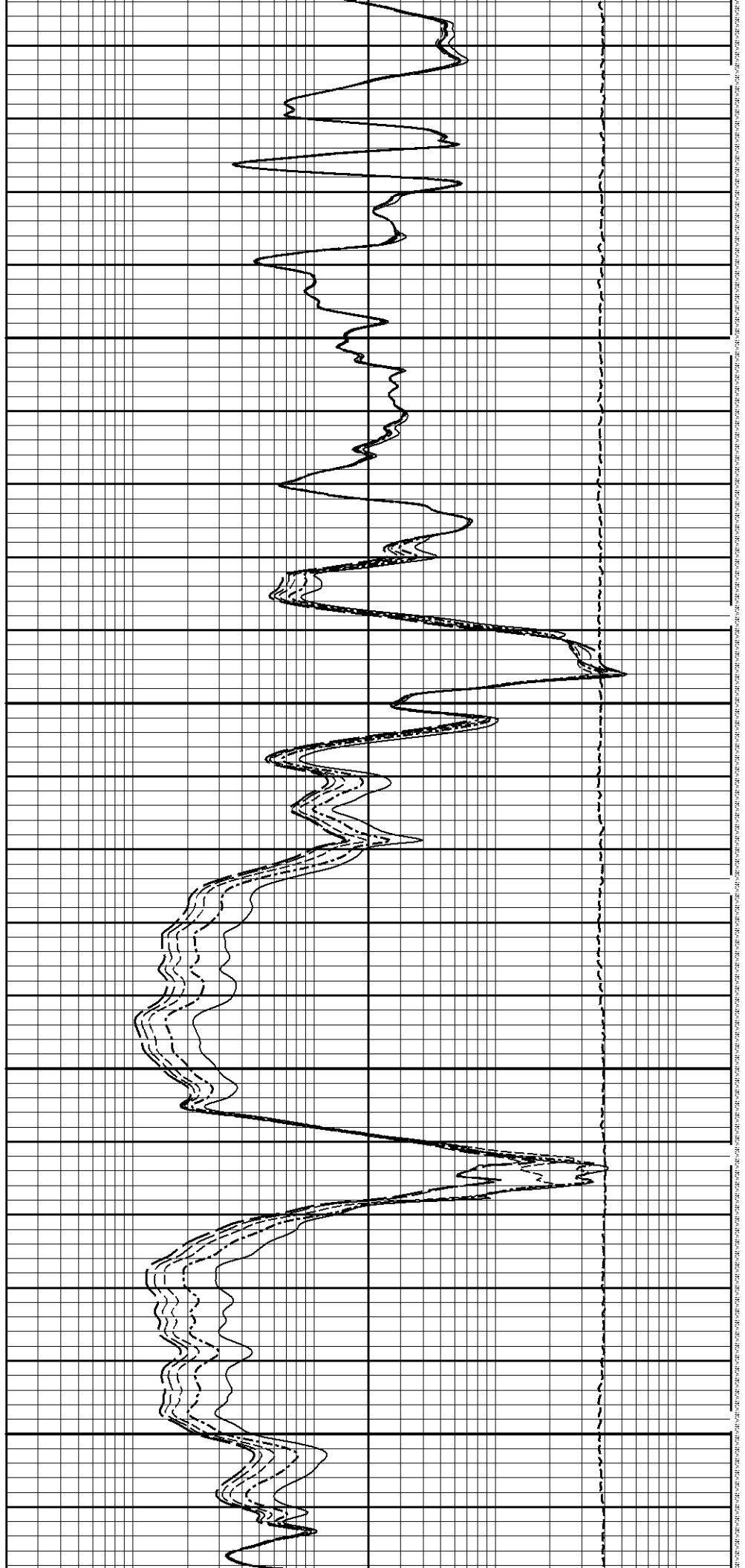
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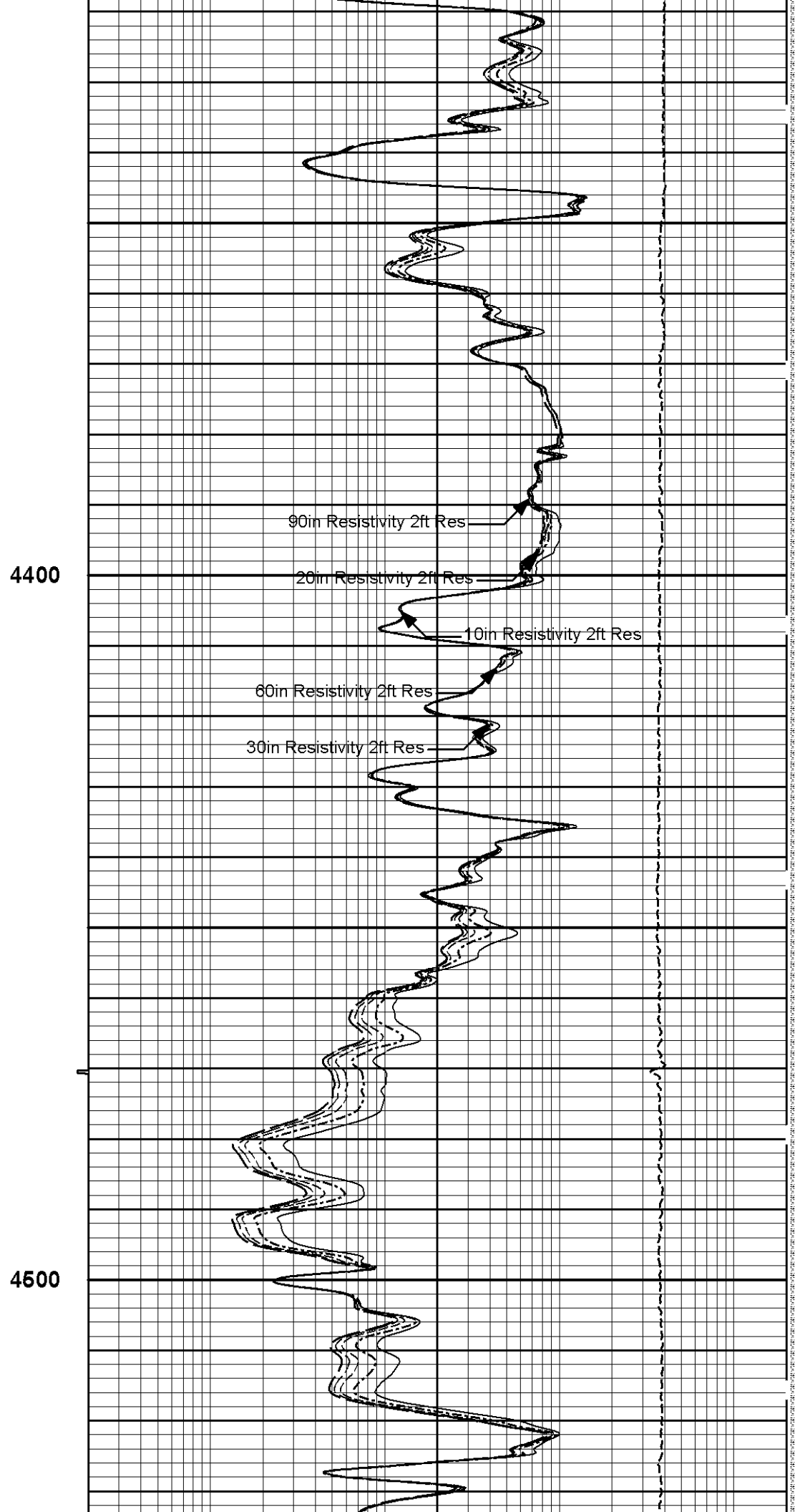
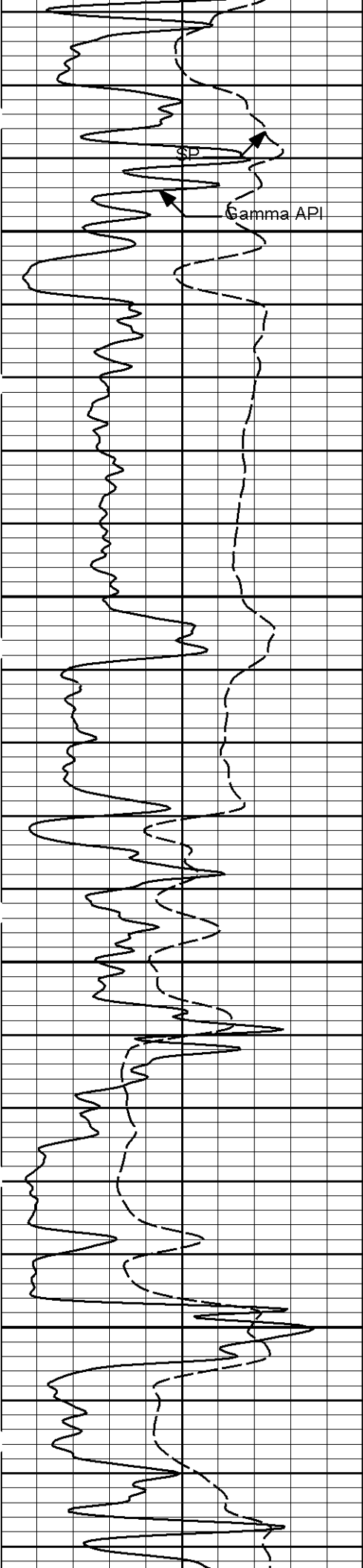


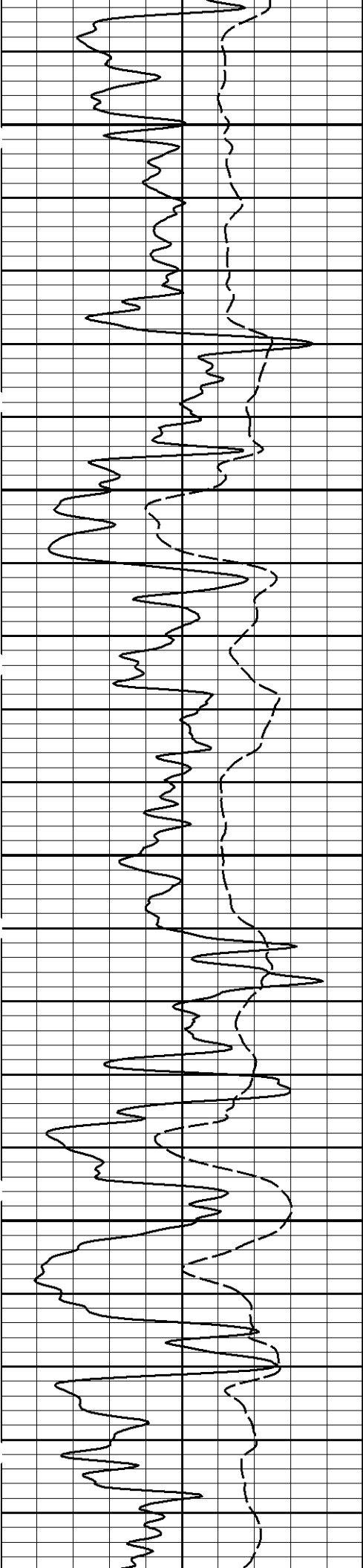


4200

4300

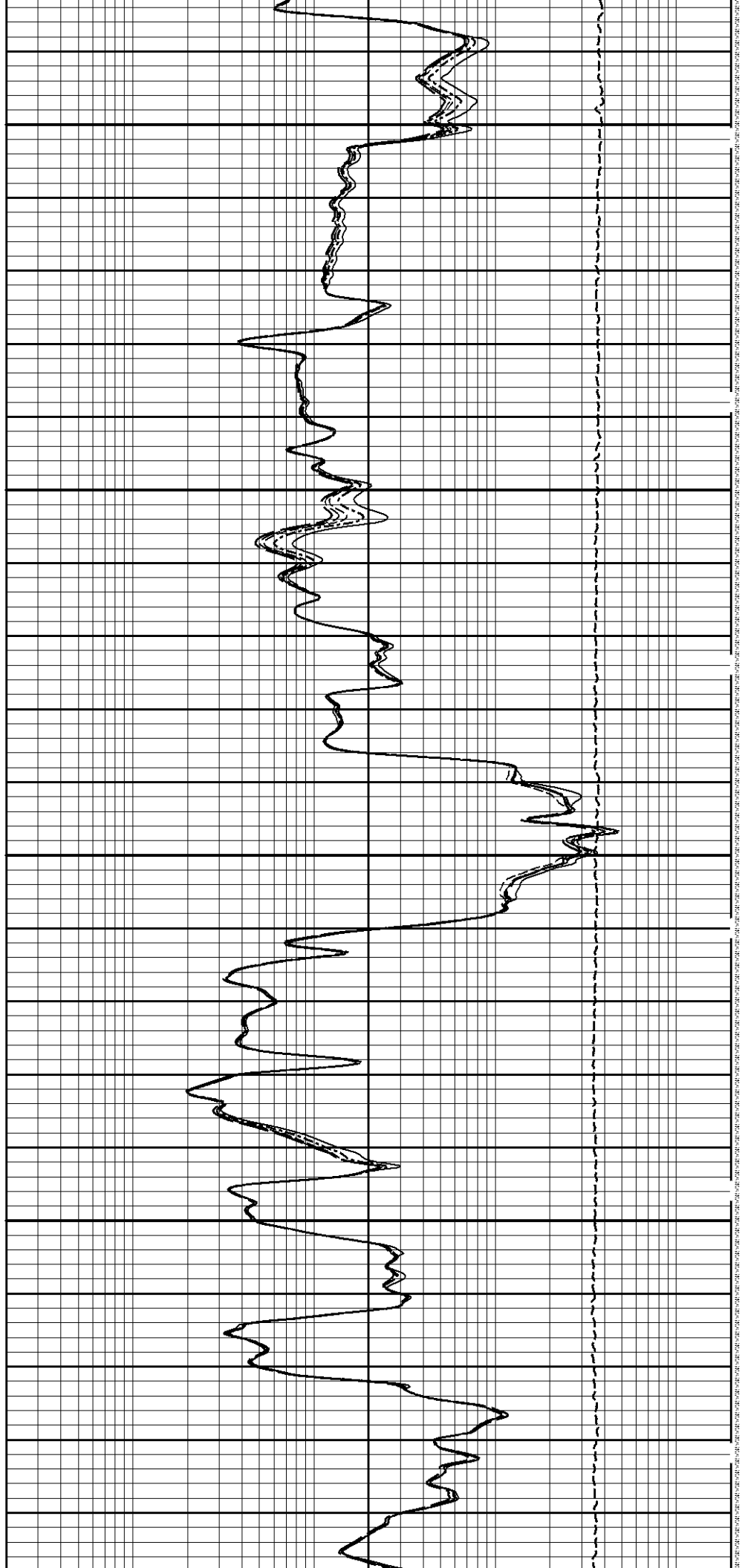


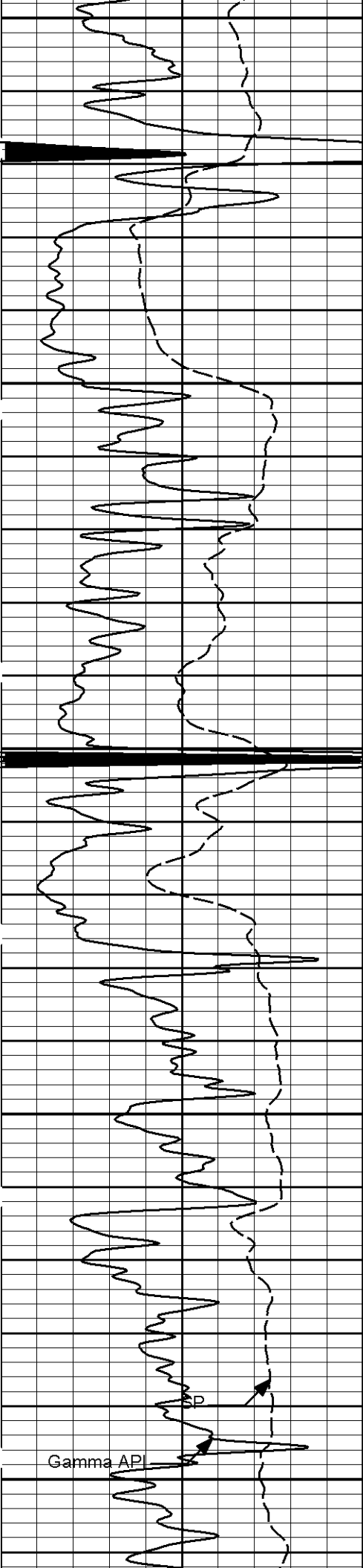




4600

4700

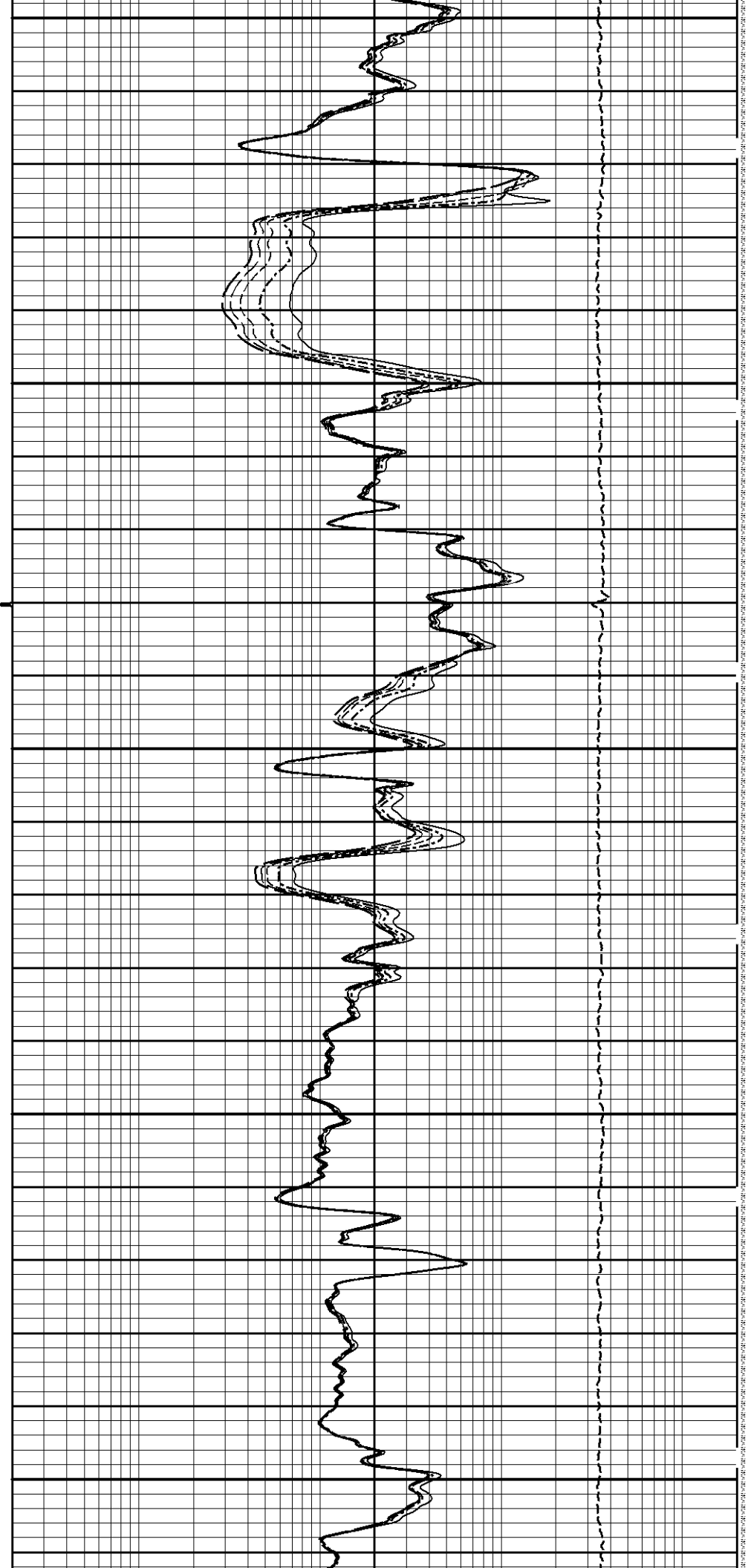




4800

4900

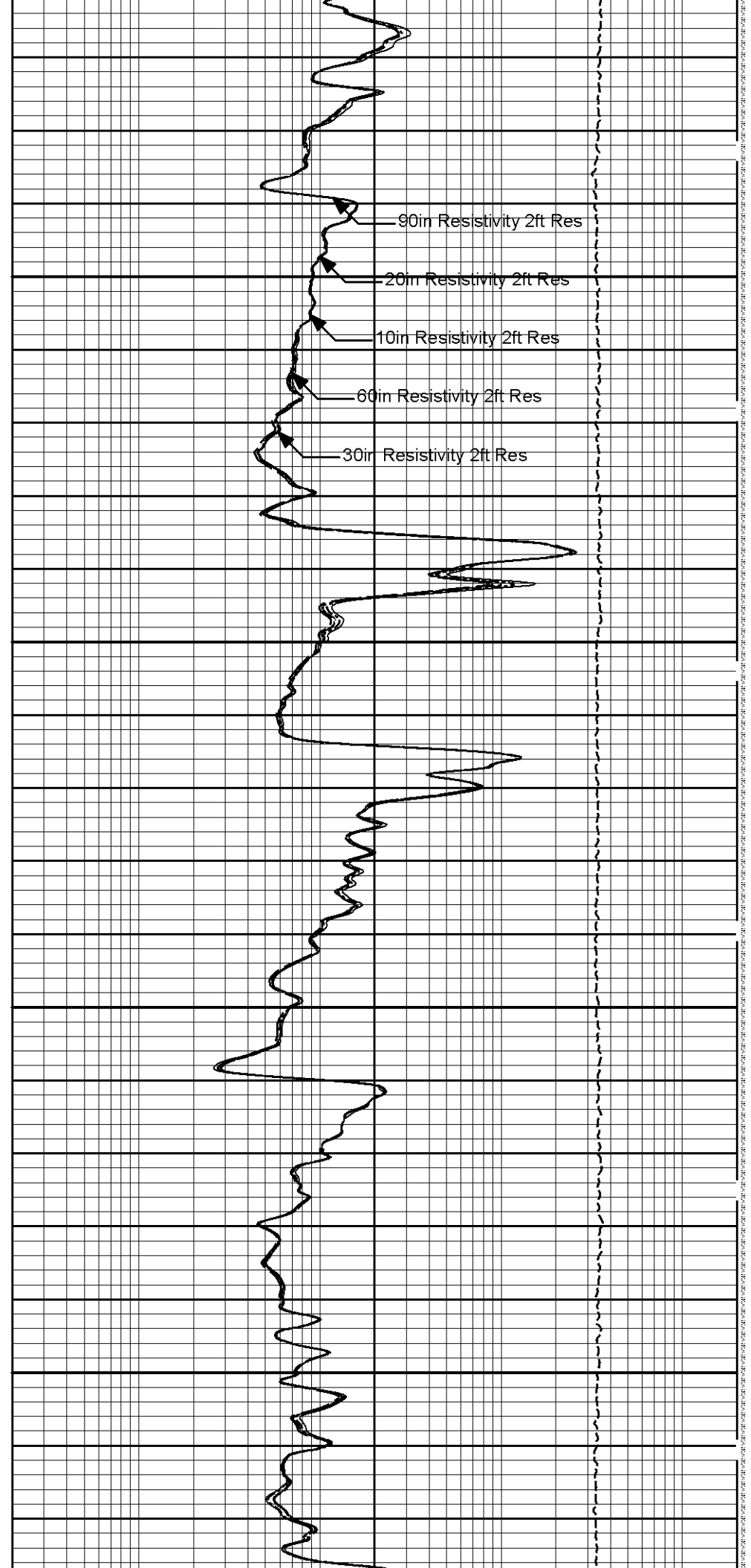
Gamma API





5000

5100



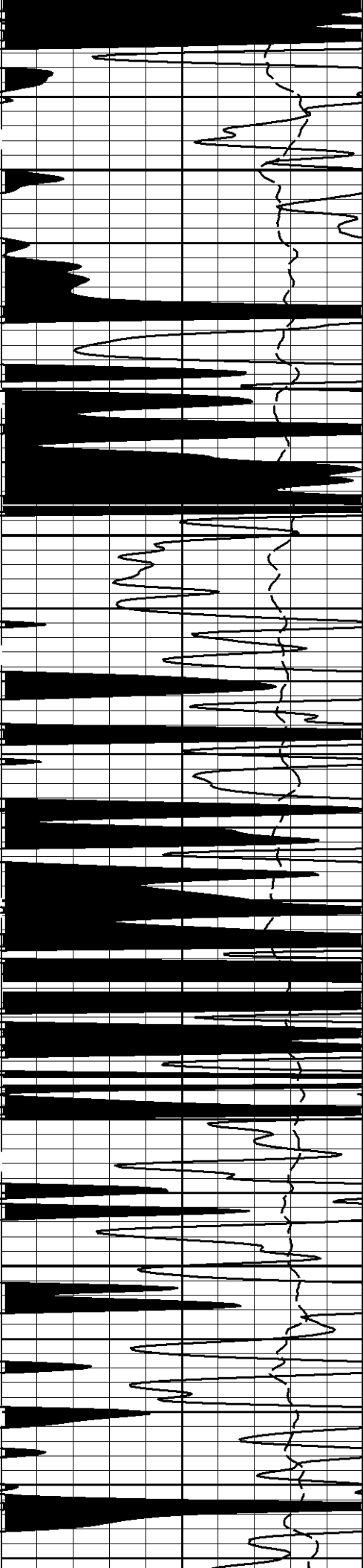
90in Resistivity 2ft Res

20in Resistivity 2ft Res

10in Resistivity 2ft Res

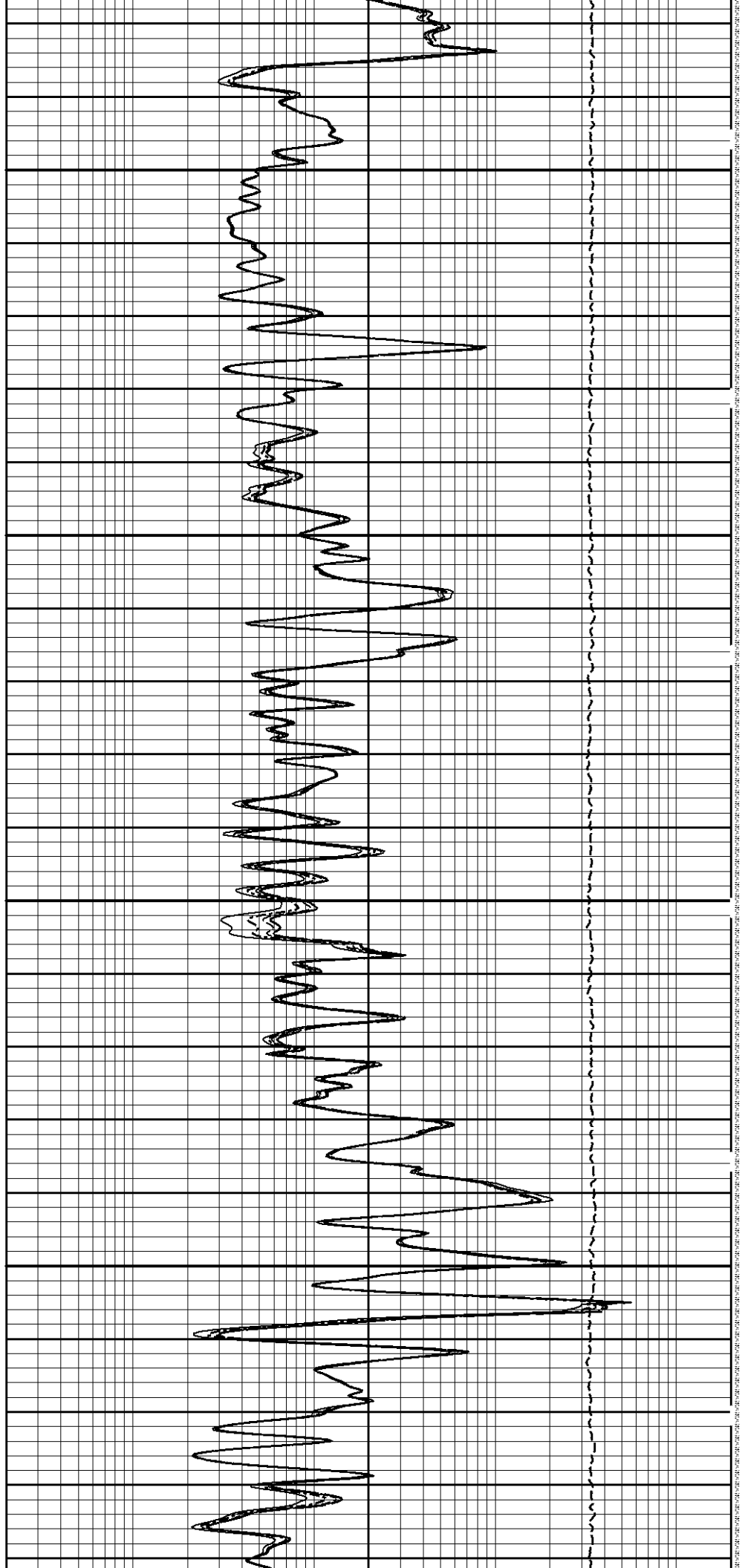
60in Resistivity 2ft Res

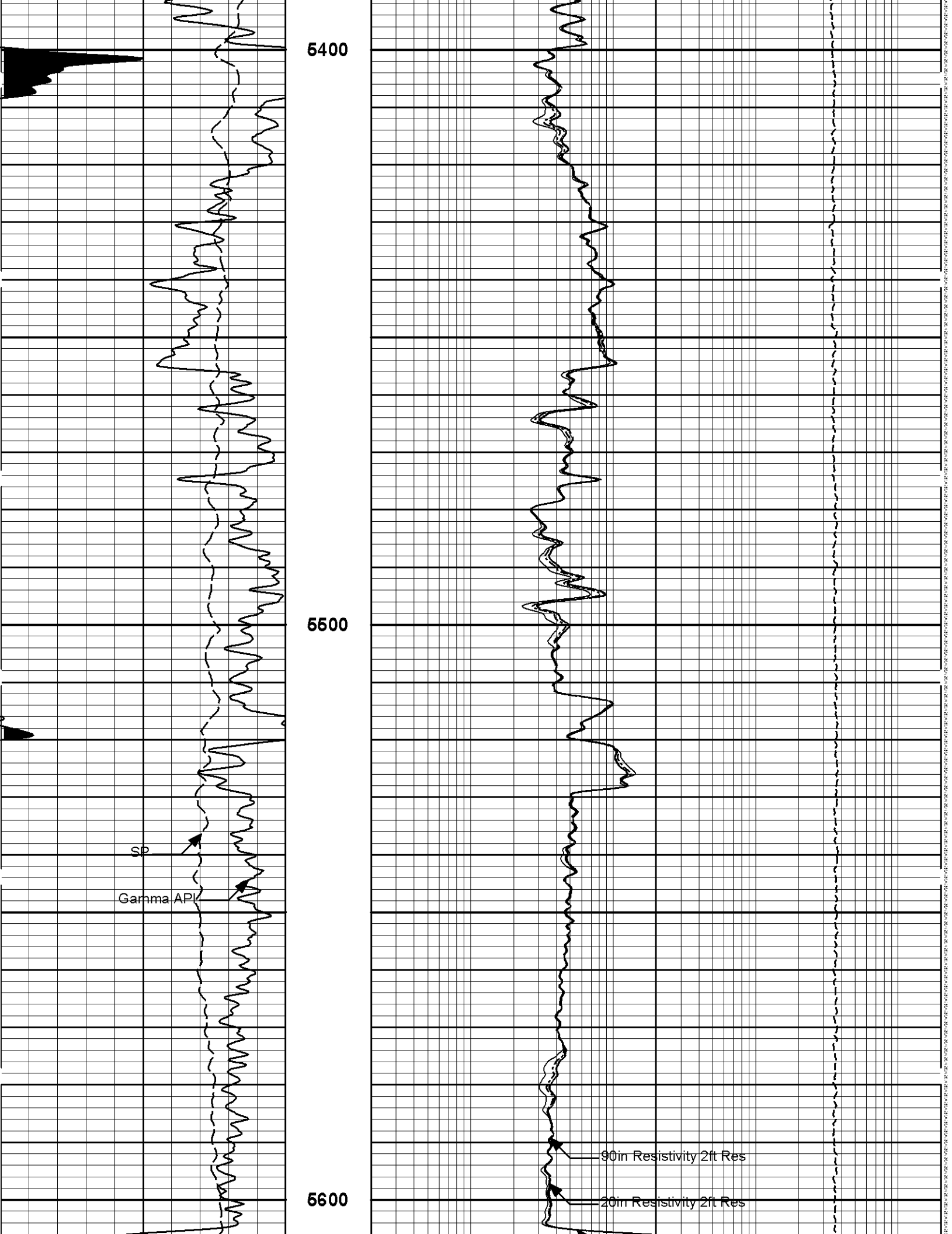
30in Resistivity 2ft Res



5200

5300





5400

5500

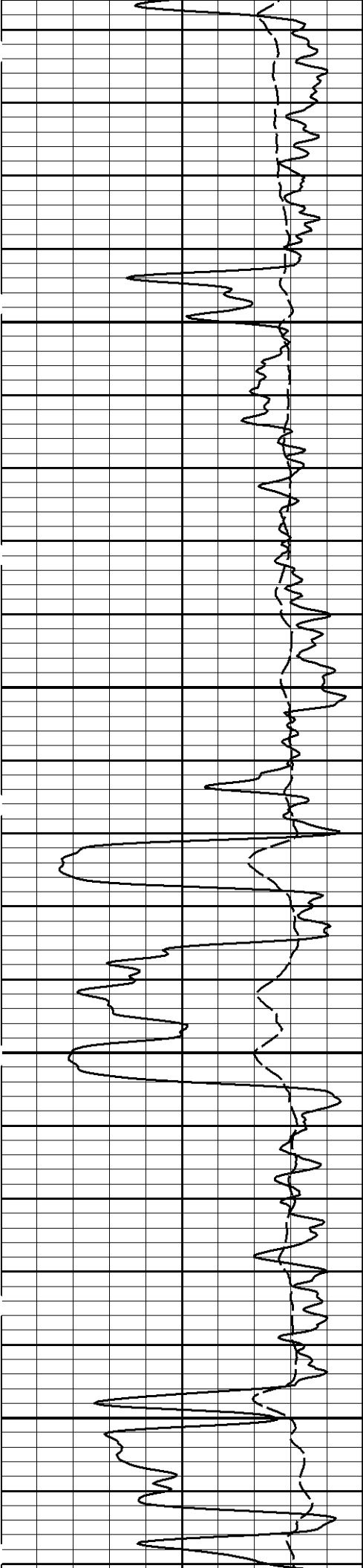
5600

SP

Gamma API

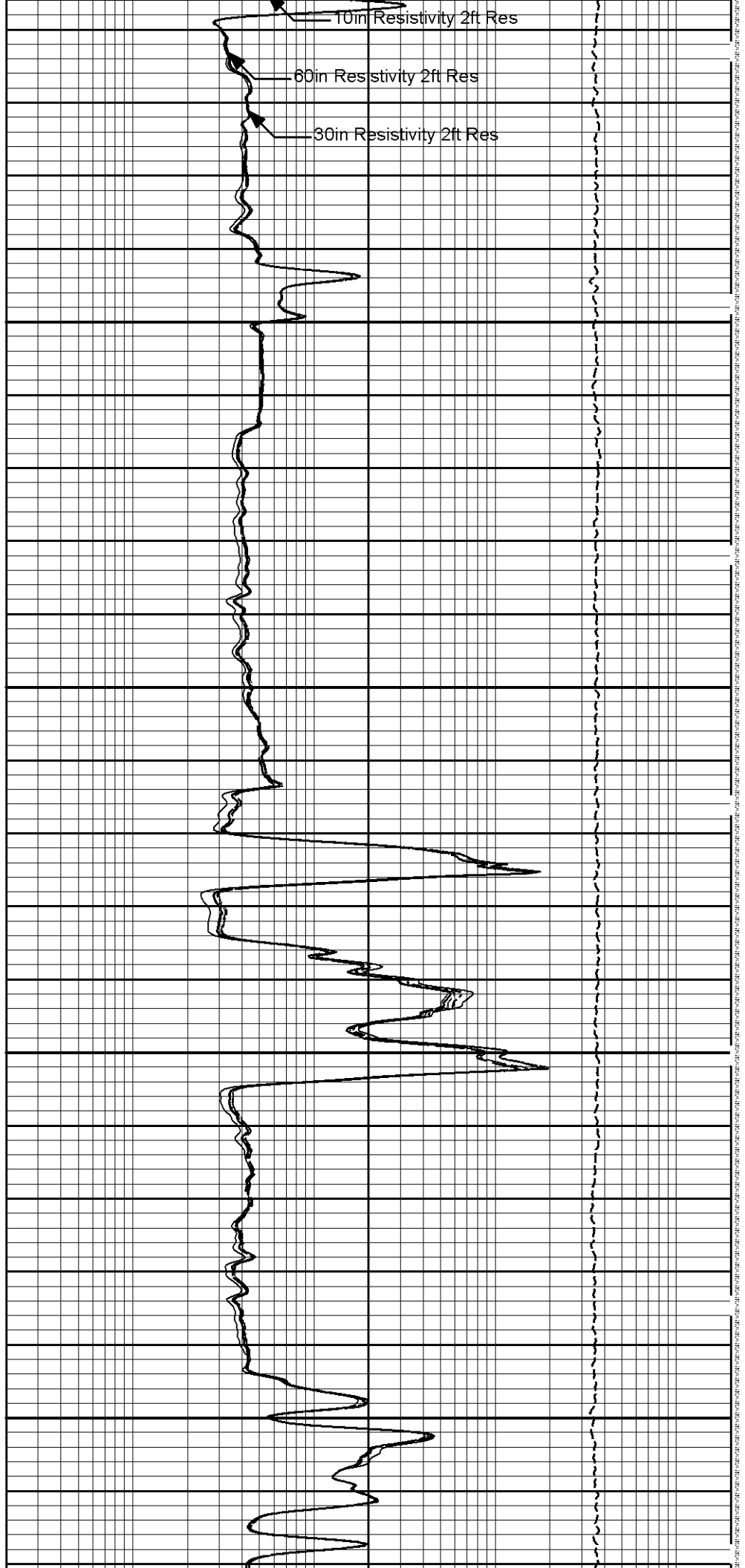
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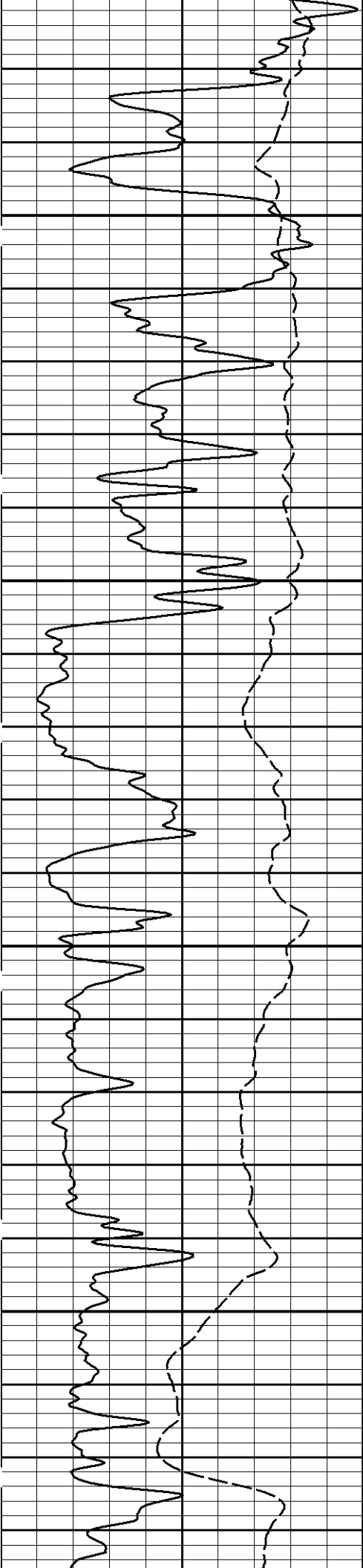
20in Resistivity 2ft Res



5700

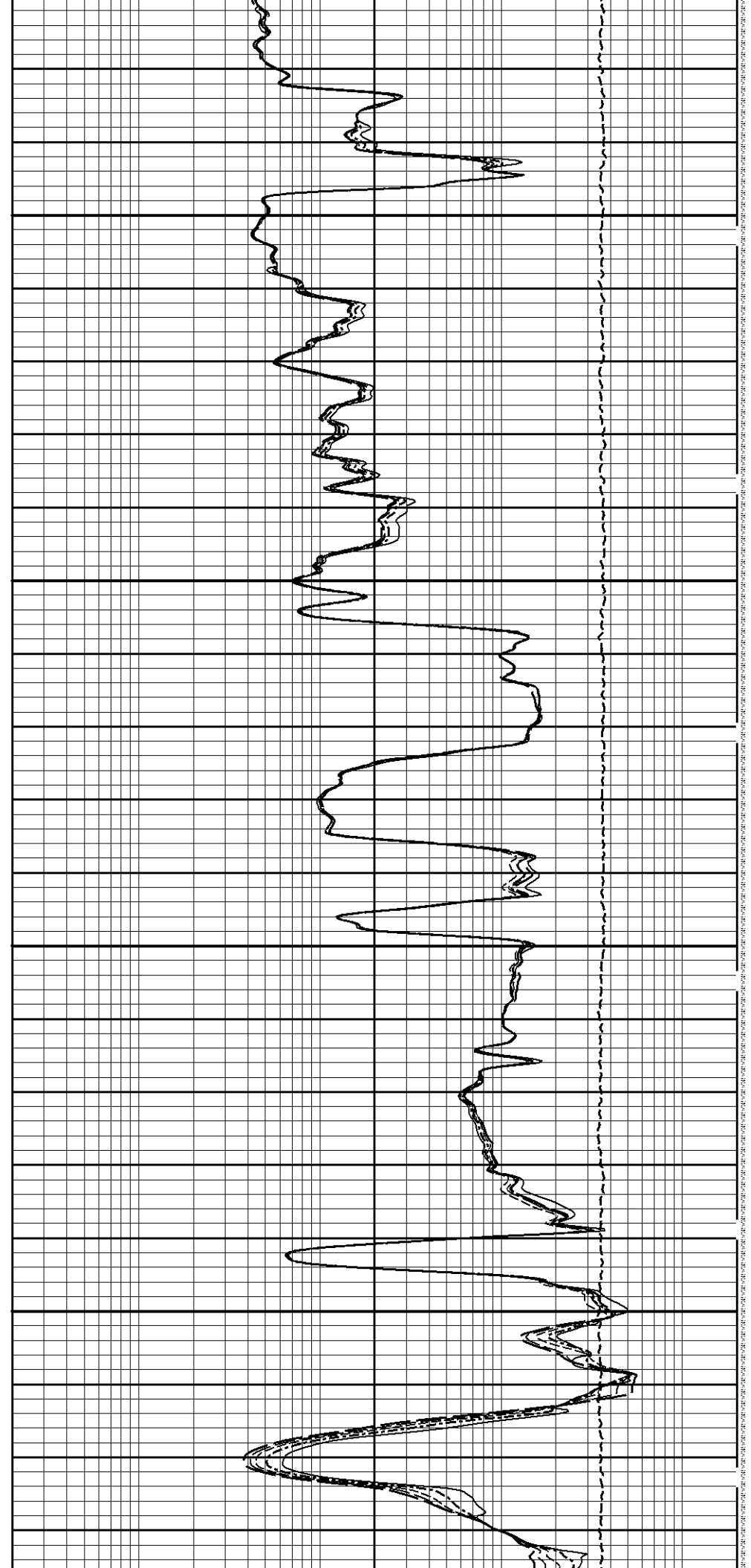
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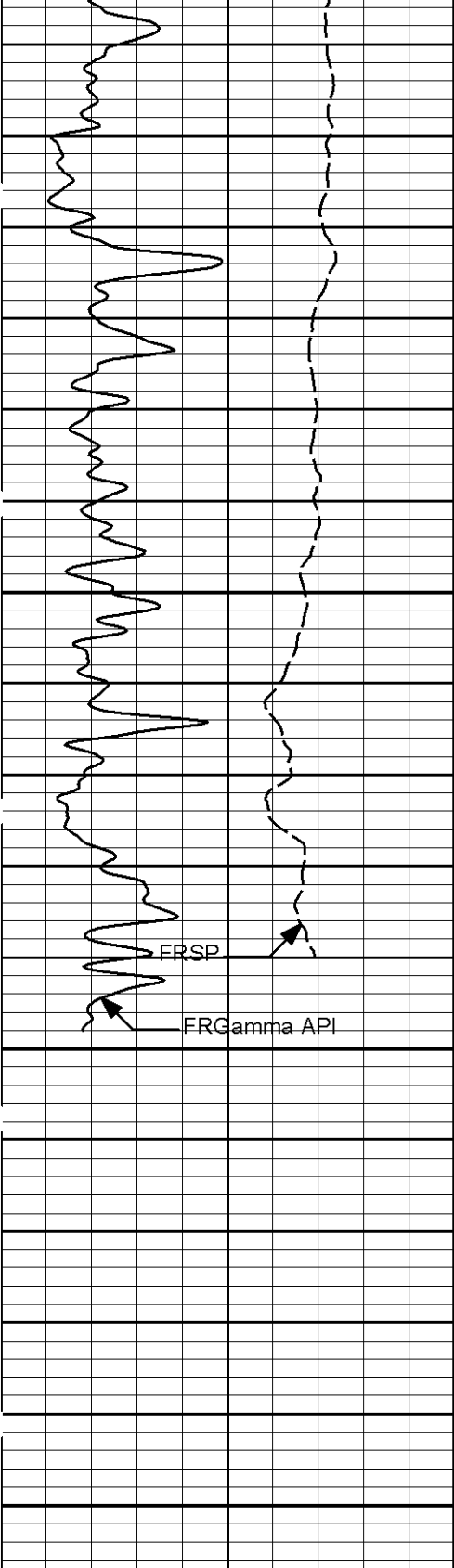




5900

6000

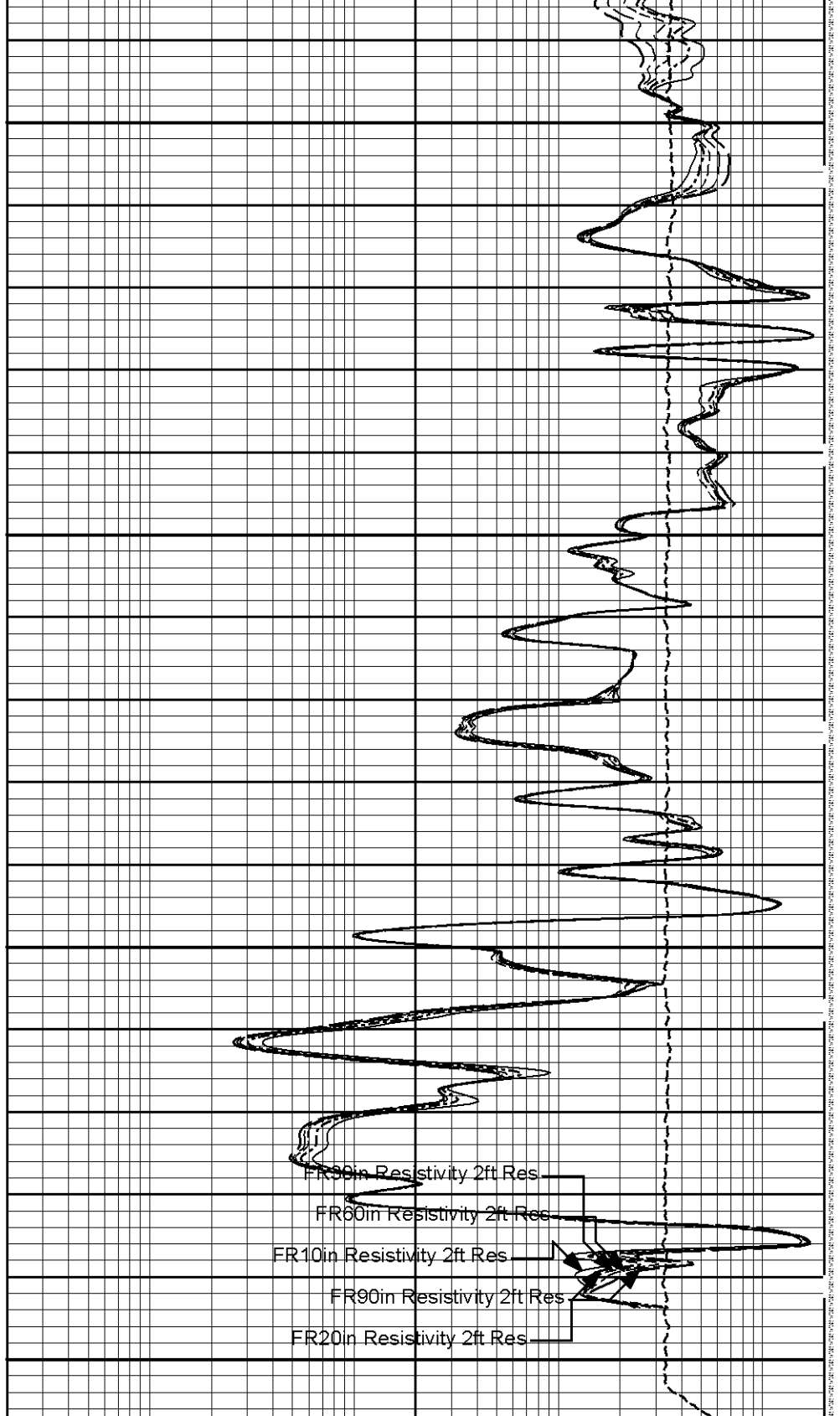




6100

ERSP
 ERGamma API

6200
 TD



FR60in Resistivity 2ft Res
 FR60in Resistivity 2ft Res
 FR10in Resistivity 2ft Res
 FR90in Resistivity 2ft Res
 FR20in Resistivity 2ft Res

SP -20[+]	MD 1 : 240 ft	10K	Tension pounds	0
Gamma API	Tension Pull 10	0.2		2000
api				
SHALE	Tension Pull	0.2		2000
		0.2		2000

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

Plot Time: 19-Nov-10 18:06:49
 Plot Range: 1710 ft to 6207.5 ft
 Data: CYNTHIA_35_3\Well Based\DAQ-0001-003\
 Plot File: \\-LOCAL-1\CYNTHIA_35_3\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\ACRT\ACRT_5_main_lib

5 INCH MAIN LOG

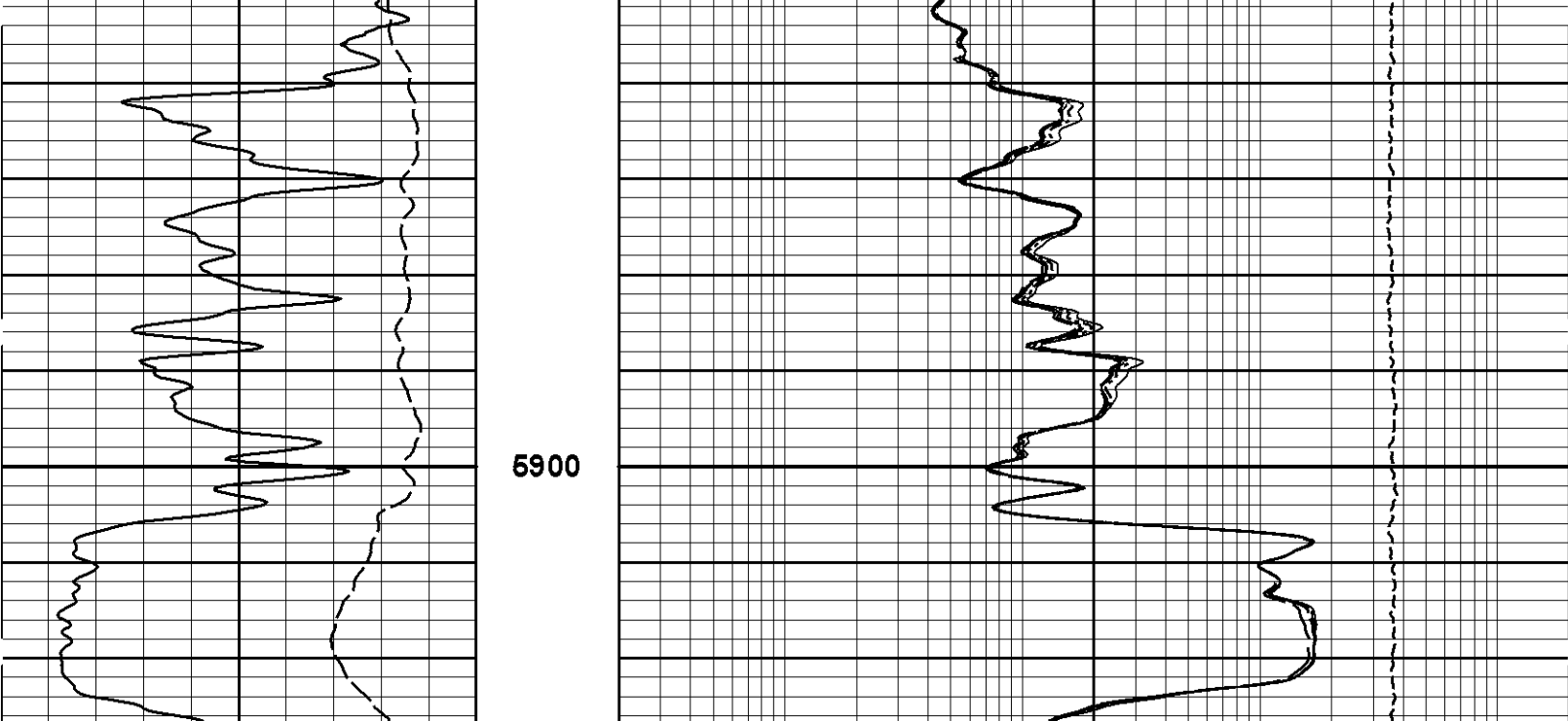
Plot Time: 19-Nov-10 18:06:49
 Plot Range: 5850 ft to 6207.58 ft
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 Plot File: \\-LOCAL-1\CYNTHIA_35_3\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\ACRT\ACRT_5_repeat_lib

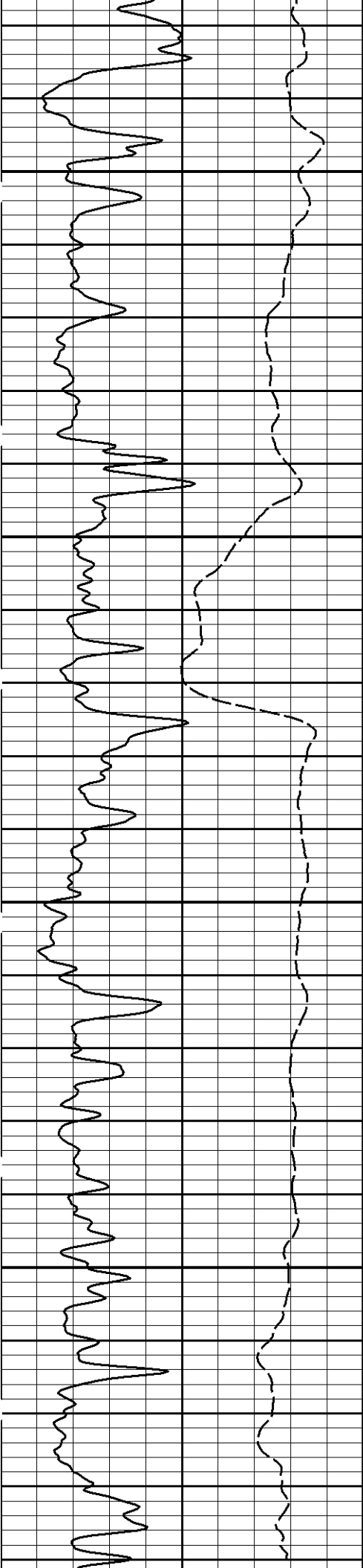
REPEAT SECTION

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		
0	Gamma API	150
	api	
	SP	
	-120[+	

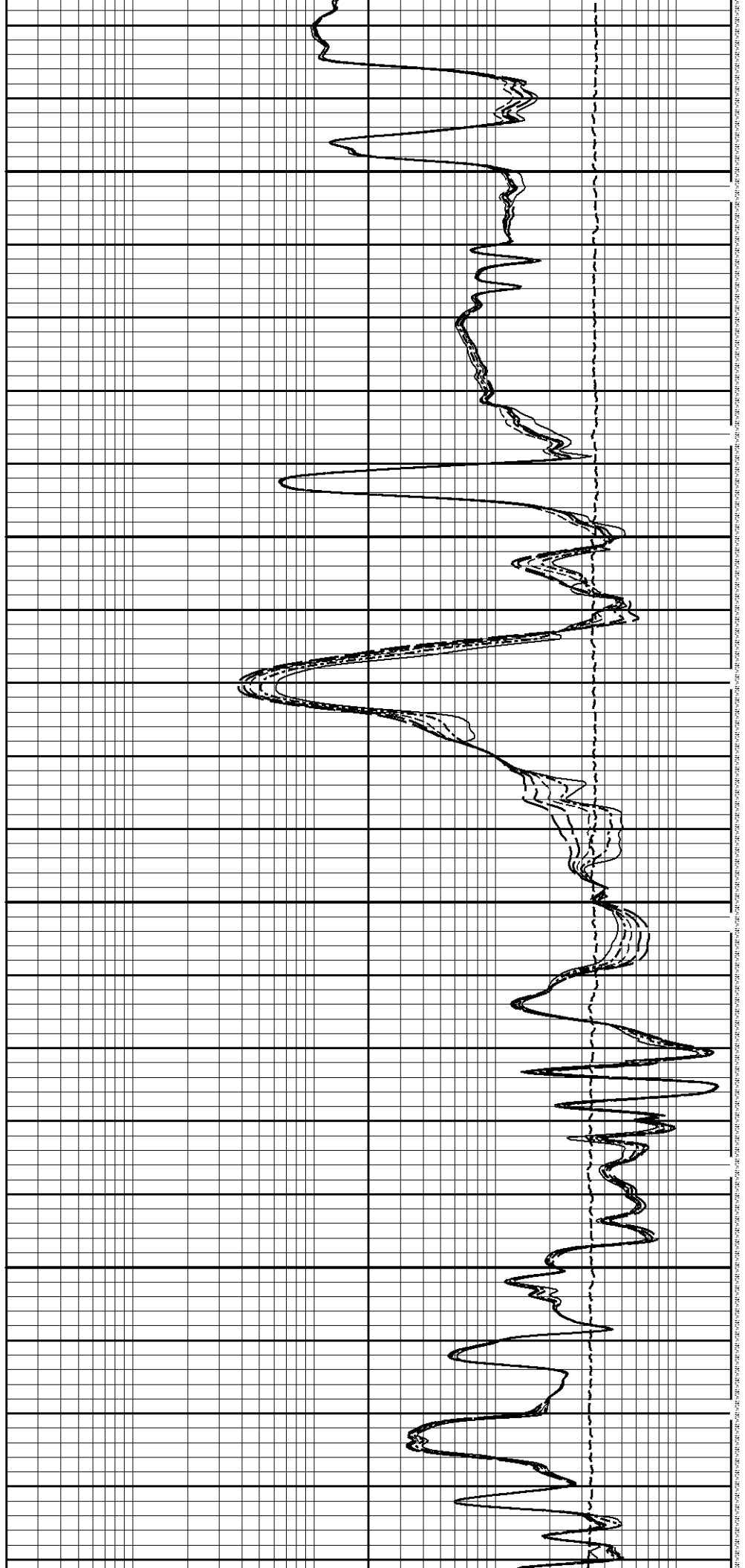
MD	10K	Tension	0
1 : 240		pounds	
ft			

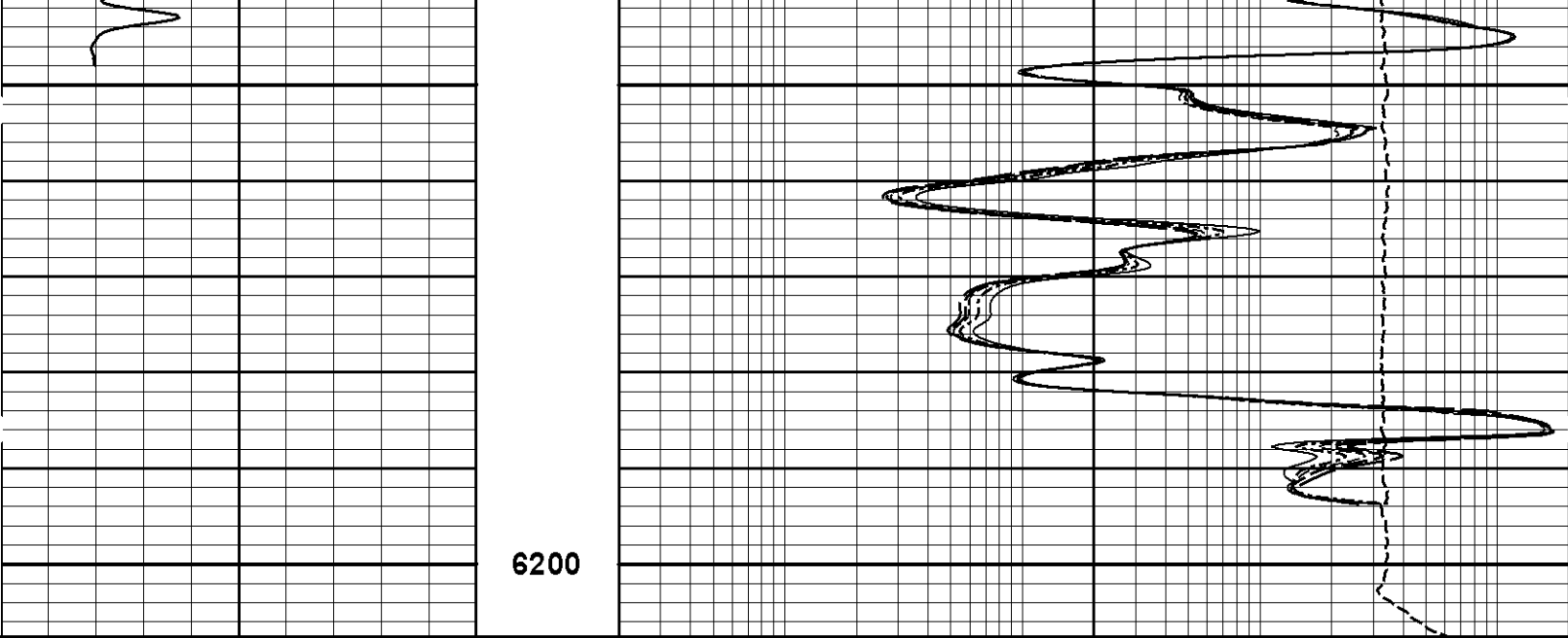




6000

6100





SP	MD	10K	Tension	0
-120[+	1 : 240		pounds	
0	ft	0.2		
Gamma API		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	

Plot Time: 19-Nov-10 18:06:52
 Plot Range: 5850 ft to 6207.58 ft
 Data: CYNTHIA_35_3\Well Based\DAQ-0001-002\
 Plot File: \\-LOCAL-\CYNTHIA_35_3\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\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-CH_696 37.50 lbs		Ø 2.750 in →		← Temperature @ 71.31 ft	3.03 ft	72.34 ft
XOHD-TRK696 20.00 lbs		Ø 2.750 in → Ø 3.625 in →			0.95 ft	69.31 ft
SP Sub-PROT01 60.00 lbs		Ø 3.625 in →		← SP @ 66.59 ft	3.74 ft	68.36 ft

GTET-11039640
165.00 lbs

Ø 3.625 in →

8.52 ft

64.63 ft

← GammaRay @ 58.56 ft

DSN Decentralizer-10755066
6.60 lbs

Ø 3.625 in* →

Ø 3.625 in →

9.69 ft

56.10 ft

← DSN Far @ 49.17 ft

← DSN Near @ 48.42 ft

DSNT-11019643
174.00 lbs

46.42 ft

SDLT-443_P81
360.00 lbs

Ø 4.500 in →

Ø 4.750 in →

10.81 ft

35.60 ft

← SDL Microlog @ 38.60 ft
← SDL Caliper @ 38.42 ft
← SDL @ 38.41 ft

BSAT-10747684
300.00 lbs

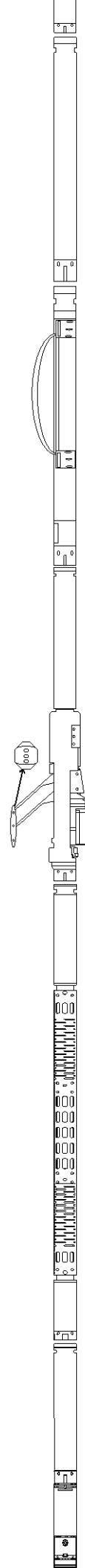
Ø 3.625 in →

15.77 ft

19.83 ft

← Sonic Receivers @ 27.09 ft

← Mud Resistivity @ 13.44 ft



ACRt-I5059_S8385
250.00 lbs

Ø 3.625 in →

← ACRt @ 9.46 ft

19.25 ft

Cabbage Head-
TRK696
10.00 lbs

Ø 3.625 in →
Ø 6.000 in →



0.58 ft
0.58 ft
0.00 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	CH_696	37.50	3.03	69.31	300.00
XOHD	Hostile to Dits Cross Over	TRK696	20.00	0.95	68.36	300.00
SP	SP Sub	PROT01	60.00	3.74	64.63	300.00
GTET	Gamma Telemetry Tool	11039640	165.00	8.52	56.10	60.00
DSNT	Dual Spaced Neutron	11019643	174.00	9.69	46.42	60.00
DCNT	DSN Decentralizer	10755066	6.60	5.13 *	49.75	300.00
SDLT	Spectral Density Tool	I43_P81	360.00	10.81	35.60	60.00
BSAT	Borehole Sonic Array Tool	10747684	300.00	15.77	19.83	60.00
ACRt	Array Compensated True Resistivity	I5059_S8385	250.00	19.25	0.58	300.00
CBHD	Cabbage Head	TRK696	10.00	0.58	0.00	300.00
Total			1,383.10	72.34		

* Not included in Total Length and Length Accumulation.

Data: CYNTHIA_35_3\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CHIDLE

Date: 19-Nov-10 10:09:09

HALLIBURTON

CALIBRATION REPORT

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name: ACRt - I5059_S8385

Reference Calibration Date: 19-Sep-10 16:34:14

Engineer: S.JUNG

Calibration Date: 22-Oct-10 11:13:04

Software Version: WL INSITE R3.2.0 (Build 7)

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	1.0492	1.05	0.95	1.0538	1.05	0.95	1.0558	1.05
A2 (50")	0.95	1.0094	1.05	0.95	1.0133	1.05	0.95	1.0161	1.05
A3 (29")	0.95	1.0210	1.05	0.95	1.0247	1.05	0.95	1.0252	1.05
A4 (17")	0.95	1.0003	1.05	0.95	1.0008	1.05	0.95	1.0011	1.05
A5 (10")	N/A	N/A	N/A	0.95	0.9918	1.05	0.95	0.9915	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9770	1.05	0.95	0.9769	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	1.576	2	-6	-3.157	-2	-8	-5.190	-2
A2 (50")	-7	-2.515	-1	-6	-3.803	-2	-7	-4.352	-2
A3 (29")	-27	-12.061	-9	-9	-3.137	-3	-7	-2.569	-1
A4 (17")	-180	-100.983	-60	-45	-30.839	-15	-39	-24.767	-13
A5 (10")	N/A	N/A	N/A	-150	-80.765	-50	-80	-40.292	-10
A6 (6")	N/A	N/A	N/A	175	336.813	525	90	167.867	270

TRANSMITTER CURRENT GAIN

R-MUD VERIFICATION

Signal	Lower	R	Upper	Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K	0.6	0.8598	1.3	Mud Cell	0.95	1.005	1.05
36K	1.0	1.3376	2.0				
72K	1.0	1.6057	2.0				

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
ACRt-I5059_S8385						
Mud Cell	1.005	-----	-----	0.000	-----	ohm-m

Data: CYNTHIA_35_3\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\IDLE Date: 19-Nov-10 10:08:30

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PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP	DSNT	DNOK	Process DSN?	No	
	SDLT	DNOK	Process Density?	No	
	SDLT	MLOK	Process MicroLog Outputs?	No	
2990.00	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	8.900	ppg
	SHARED	WAGT	Weighting Agent	Barite	
	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	1.250	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	6200.00	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	
	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	Centered	
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	0.300	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	DNOK	Process Density?	Yes	
SDLT	DNOK	Process Density EVR?	No	
SDLT	CB	Logging Calibration Blocks?	No	
SDLT	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT	DTWN	Disable temperature warning	No	
SDLT	DMA	Formation Density Matrix	2.710	g/cc
SDLT	DFL	Formation Density Fluid	1.000	g/cc
SDLT	CLOK	Process Caliper Outputs?	Yes	
SDLT	MLOK	Process MicroLog Outputs?	Yes	
BSAT	MBOK	Compute BCAS Results?	Yes	
BSAT	FLLO	Frequency Filter Low Pass Value?	7000	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	RTOK	Process ACRT?	Yes	
ACRt	MNSO	Minimum Tool Standoff	1.50	in
ACRt	TCS1	Temperature Correction Source	FP Lwr & FP Up	
ACRt	TPOS	Tool Position	Free Hanging	
ACRt	RMOP	Rmud Source	Mud Cell	
ACRt	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt	RMIN	Maximum Resistivity for MAP	200.00	ohmm
ACRt	THQY	Threshold Quality	0.50	

BOTTOM

Data: CYNTHIA_35_3\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CHIDLE

Date: 19-Nov-10 10:47:26

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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	
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	38.41	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	35.60	NO	
FHV	Far Detector High Voltage	35.60	NO	
ITMP	Instrument Temperature	35.60	NO	
DDHV	Detector High Voltage	35.60	NO	
TPUL	Tension Pull	38.42	NO	
PCAL	Pad Caliper	38.42	TRI	0.250
ACAL	Arm Caliper	38.42	TRI	0.250
TPUL	Tension Pull	38.60	NO	
MINV	Microlog Lateral	38.60	BLK	0.750
MNOR	Microlog Normal	38.60	BLK	0.750
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				
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

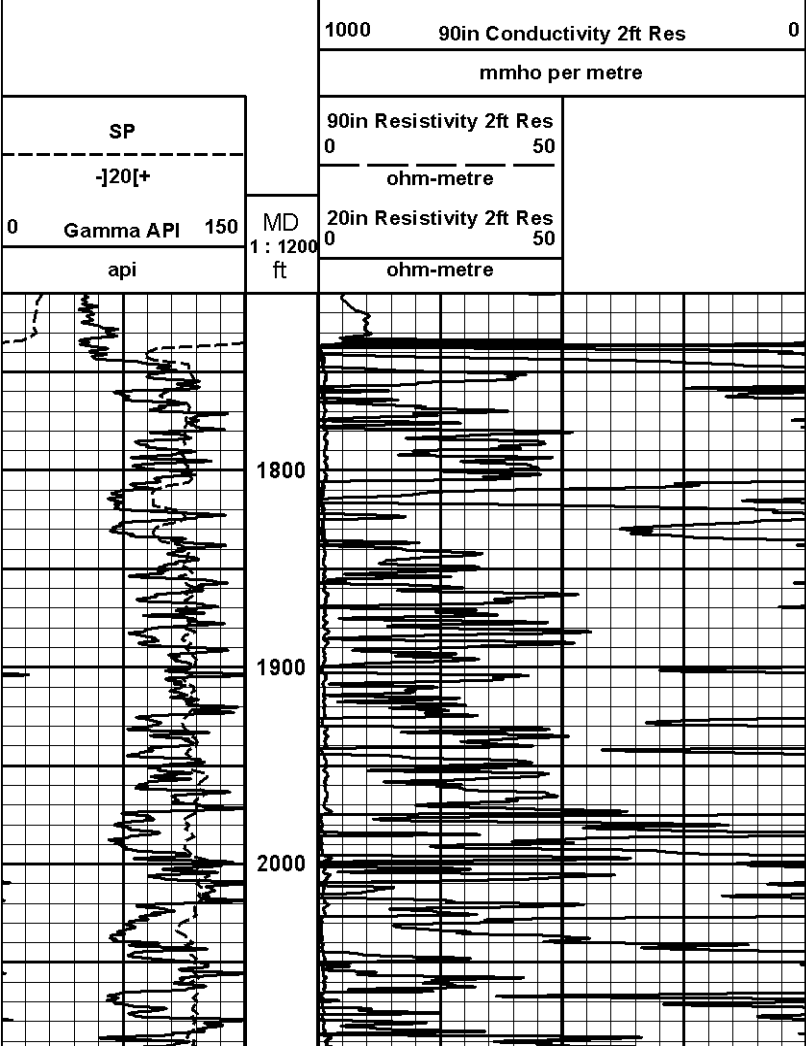
TCVA	Temperature Correction Values Loop Off	2.97	NO
TIDV	Instrument Temperature Derivative	2.97	NO
TUDV	Upper Temperature Derivative	2.97	NO
TLDV	Lower Temperature Derivative	2.97	NO
TRBD	Receiver Board Temperature	2.97	NO

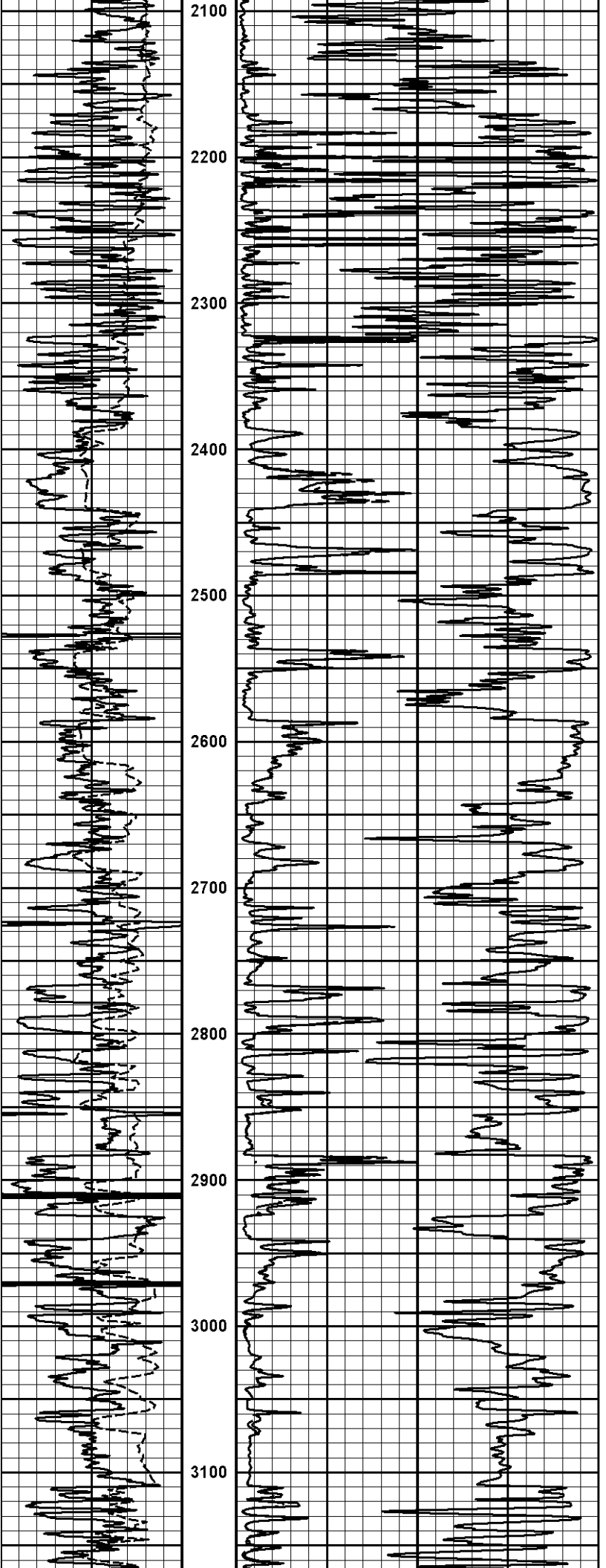
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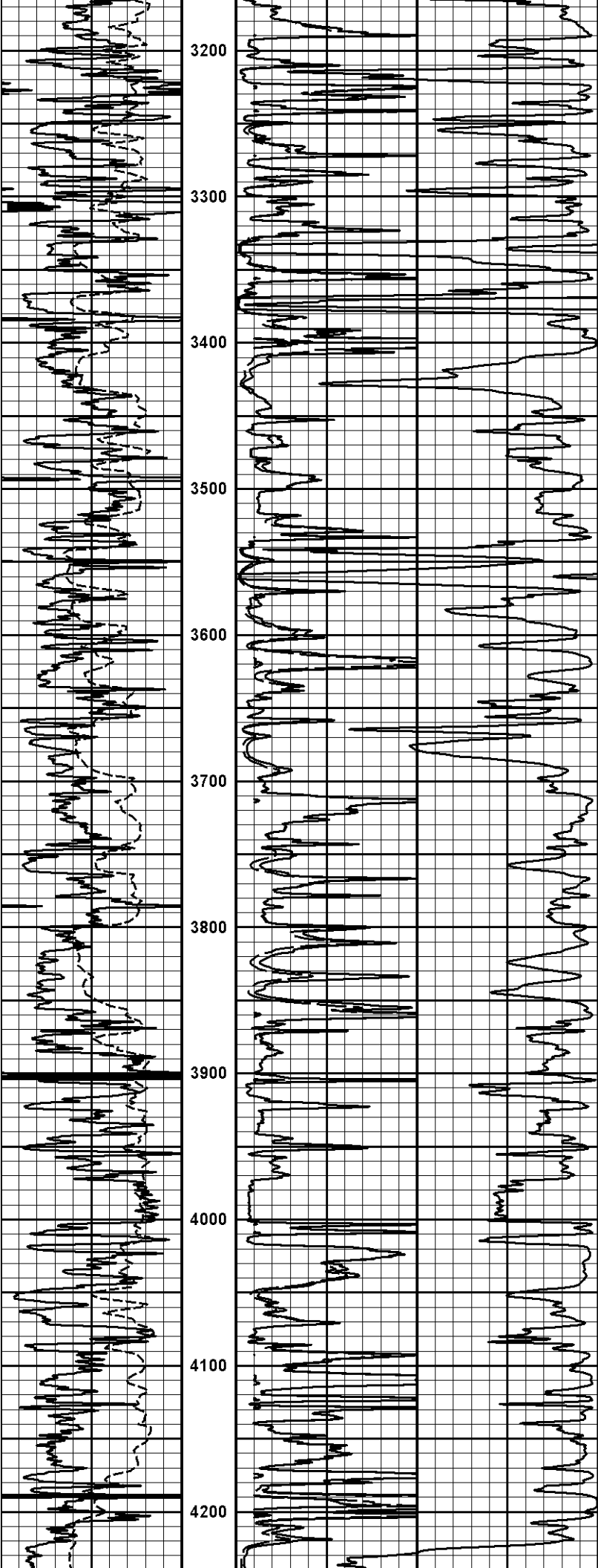
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WELL	CYNTHIA 35-3		
FIELD	WILDCAT		
COUNTY	STEVENS	STATE	KANSAS
HALLIBURTON		ARRAY COMPENSATED TRUE RESISTIVITY LOG	

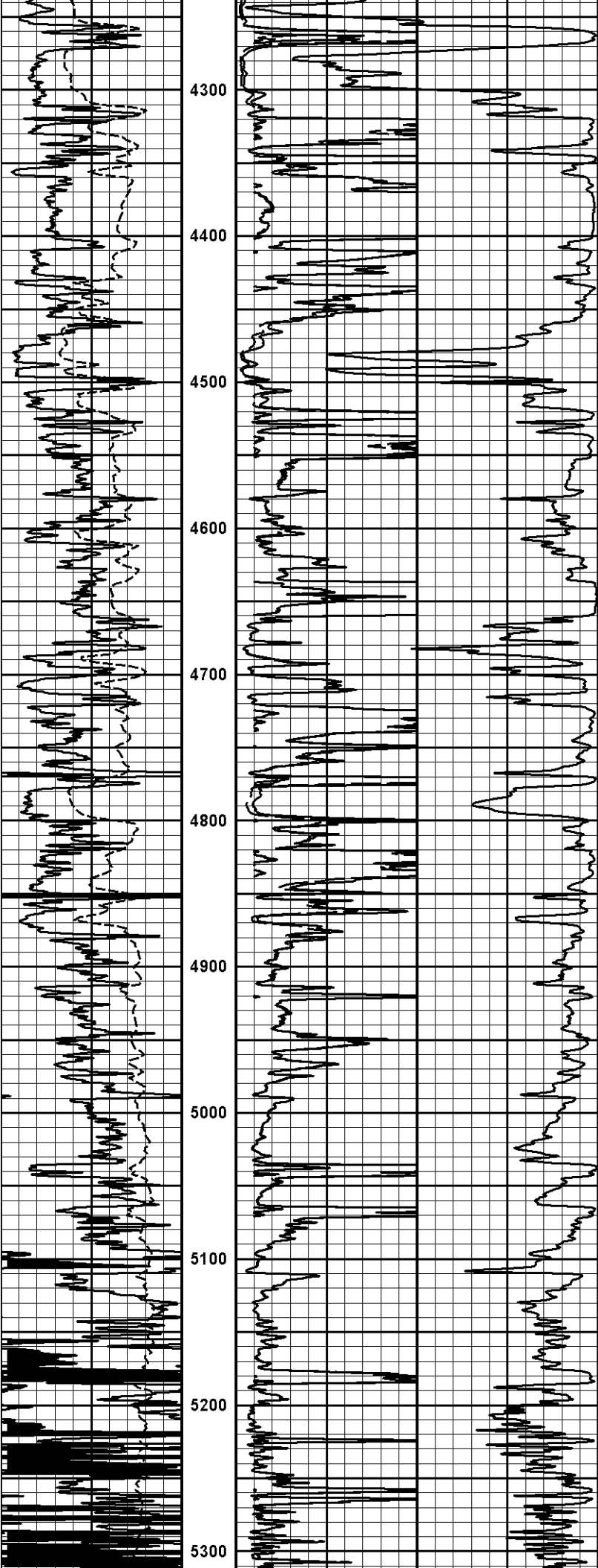
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 Plot Range: 1710 ft to 6193.75 ft
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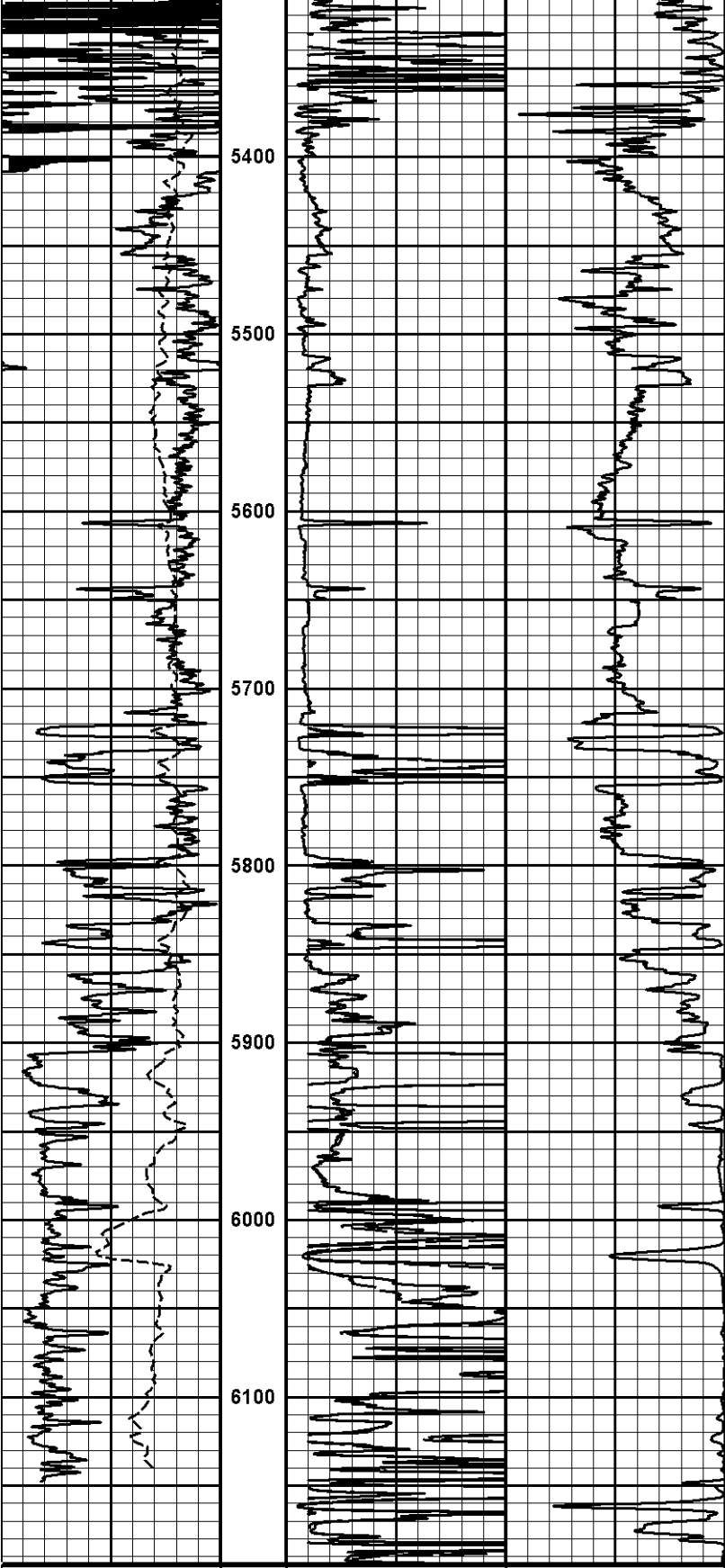
1 INCH MAIN LOG











0	Gamma API	150	MD	20in Resistivity 2ft Res	0	50	
	api		1 : 1200	ohm-metre			
	SP		ft	90in Resistivity 2ft Res	0	50	
	-120[+			ohm-metre			
				1000	90in Conductivity 2ft Res		0
					mmho per metre		

Plot Range: 1710 ft to 6193.75 ft

Data: CYNTHIA_35_3\Well Based\DAQ-0001-003\

Plot File: \\-LOCAL-\CYNTHIA_35_3\...\ACRT_1_lib

1 INCH MAIN LOG