

ARRAY COMPENSATED
TRUE RESISTIVITY
LOG

Service Ticket No.: 8322975						API Serial No.: 15-129-21931						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	N/A		1.5" S.O.		N/A					
Rmc @ Meas. Temp.		@		@						I962_S909							
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.	11048627		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	5156'	1519'	REC	0	150									

DIRECTIONAL INFORMATION

Maximum Deviation	@	KOP	@
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Remarks: SP-GTET-DSNT-SDLT-ACRT RAN IN COMBINATION.

ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING.

CHLORIDES REPORTED AT 2500 MG/L.

LCM REPORTED AT 6 LB/BBL.

YOUR CREW: K. KING, V. JAIME

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

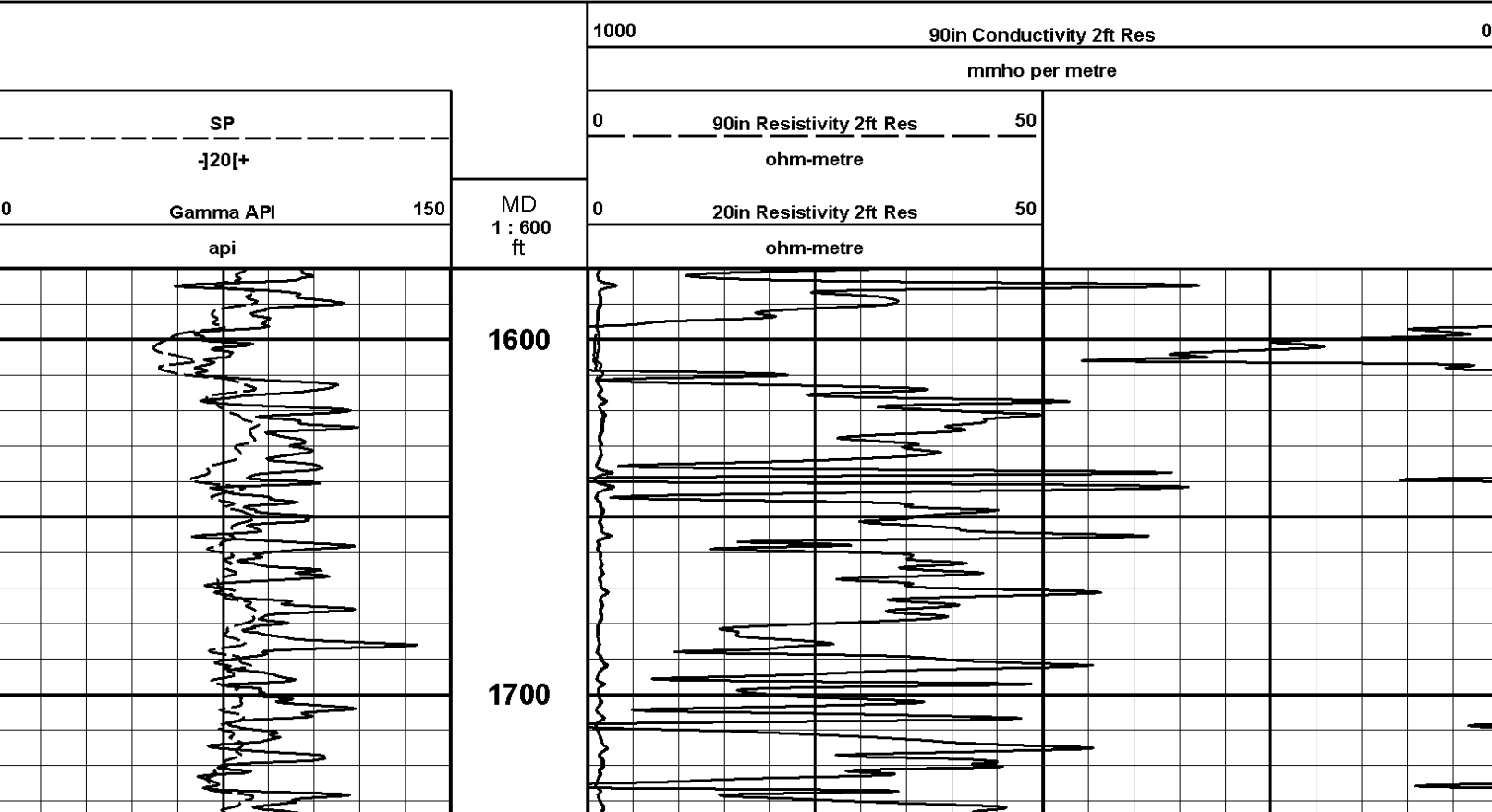
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR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

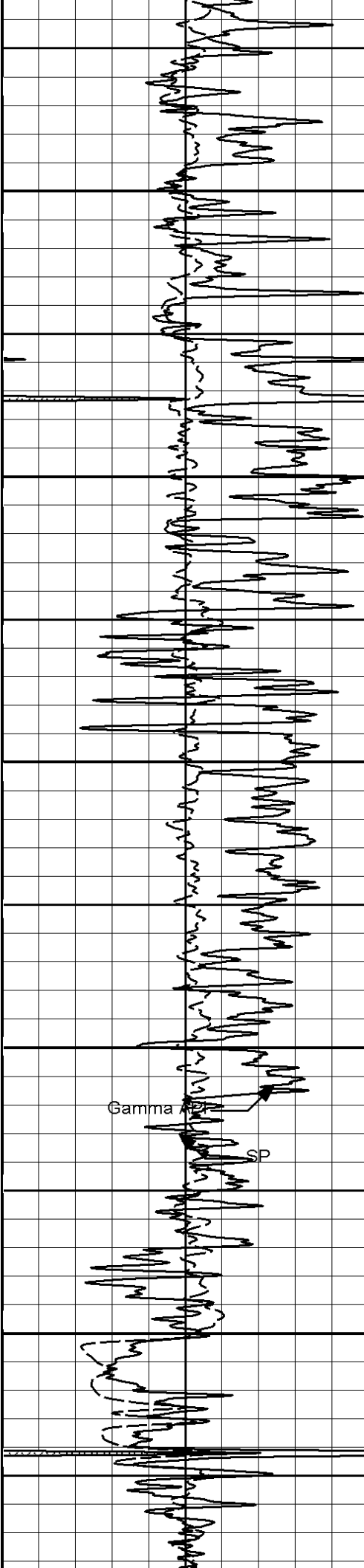
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Plot Time: 16-Jul-11 11:09:35
Plot Range: 1580 ft to 5161.17 ft
Data: BERRYMAN_RU_6_4\Well Based\CASING\
Plot File: \\-LOCAL-\BERRYMAN_RU_6_4\0001 SP-GTET-DSN-SDL-ACRT-CH\ACRT\ACRT_2_lib

2 INCH MAIN LOG





1800

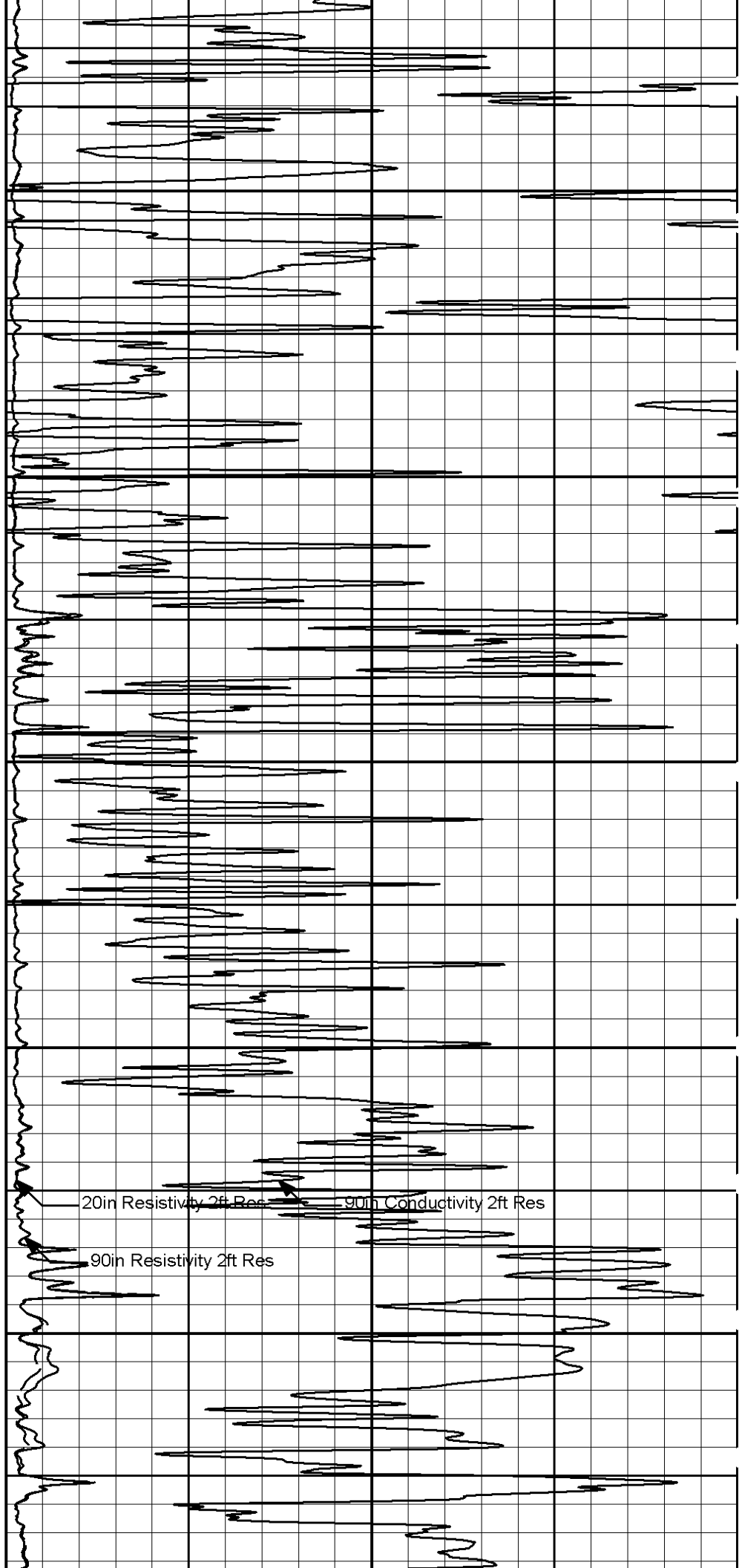
1900

2000

2100

2200

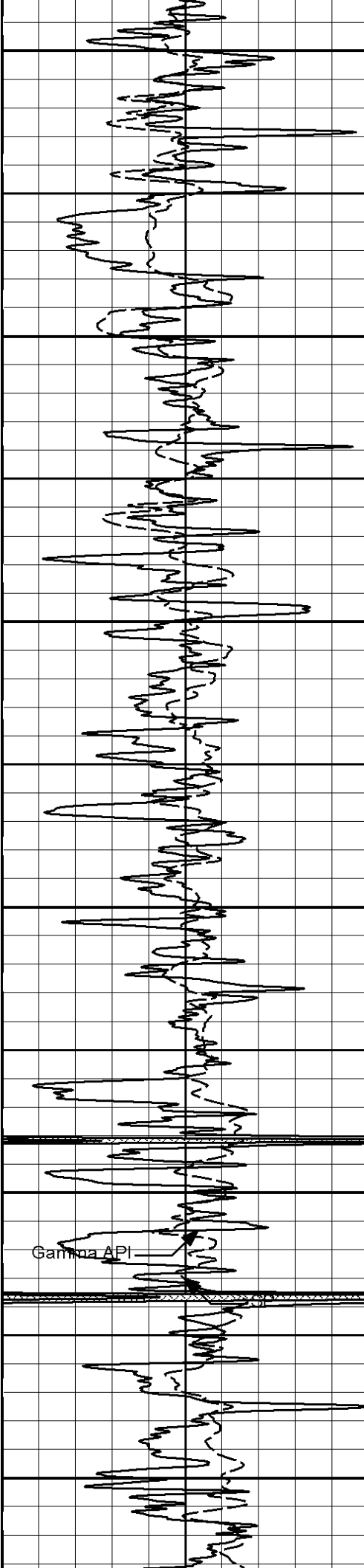
Gamma Ray



20in Resistivity 2ft Res

90in Conductivity 2ft Res

90in Resistivity 2ft Res



2300

2400

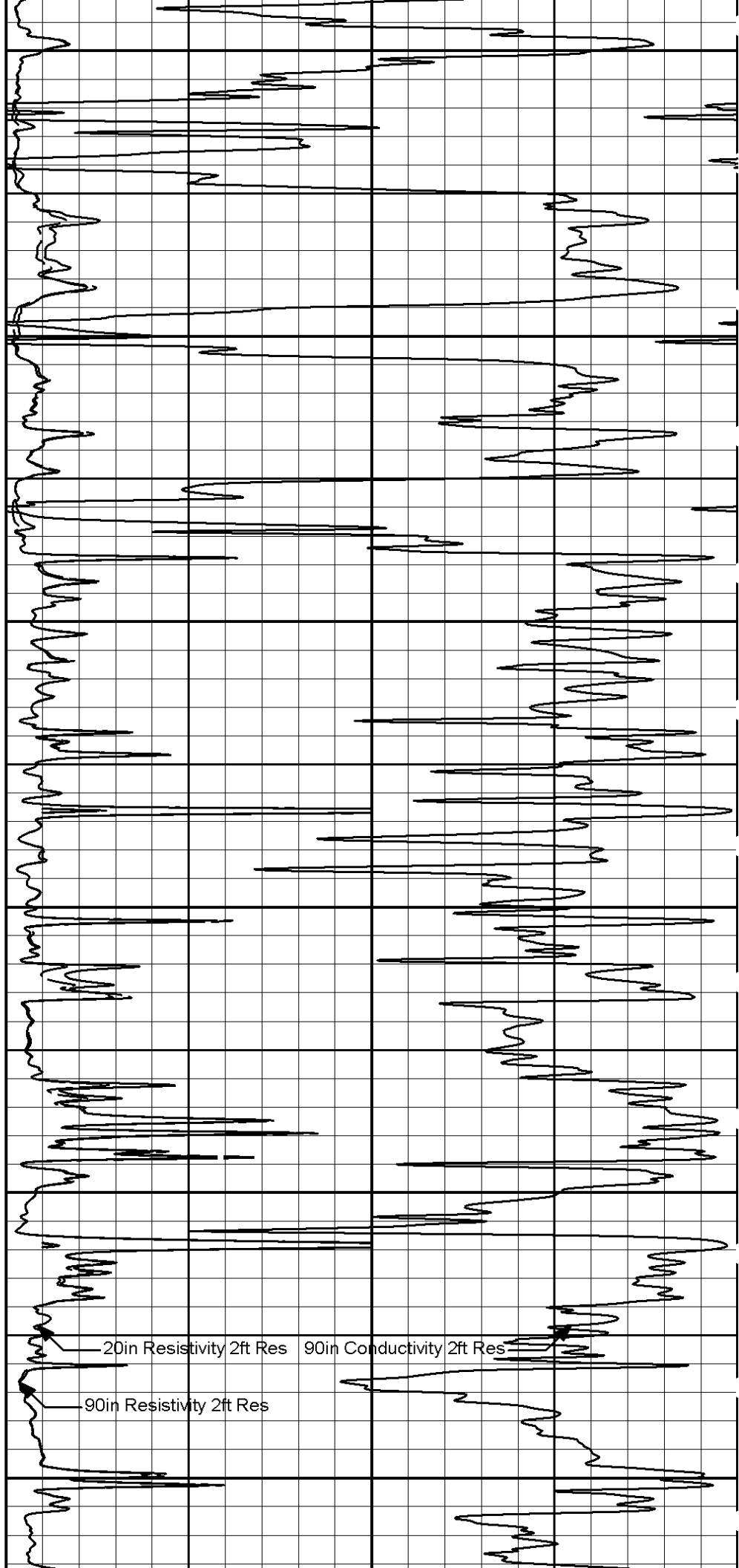
2500

2600

2700

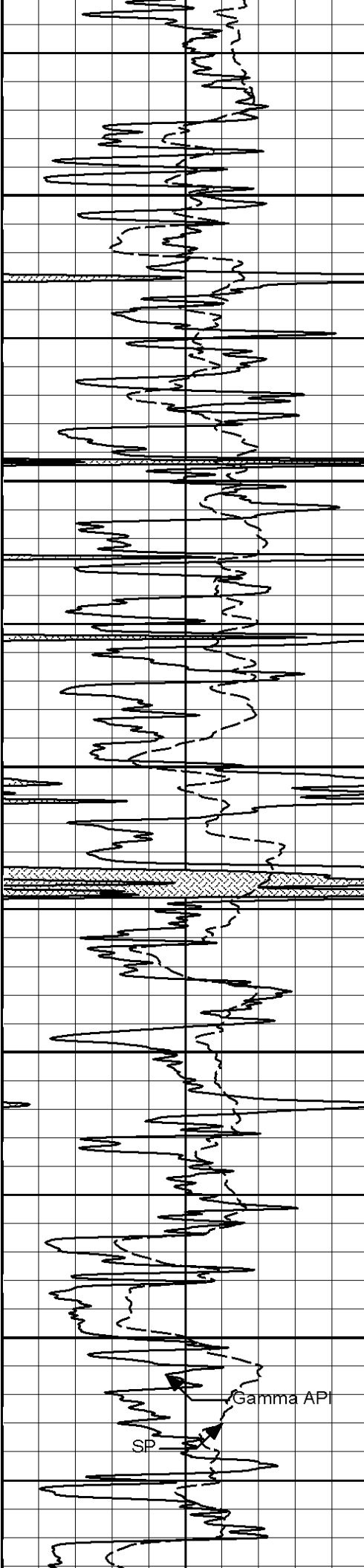
2800

Garruda API



20in Resistivity 2ft Res 90in Conductivity 2ft Res

90in Resistivity 2ft Res



2900

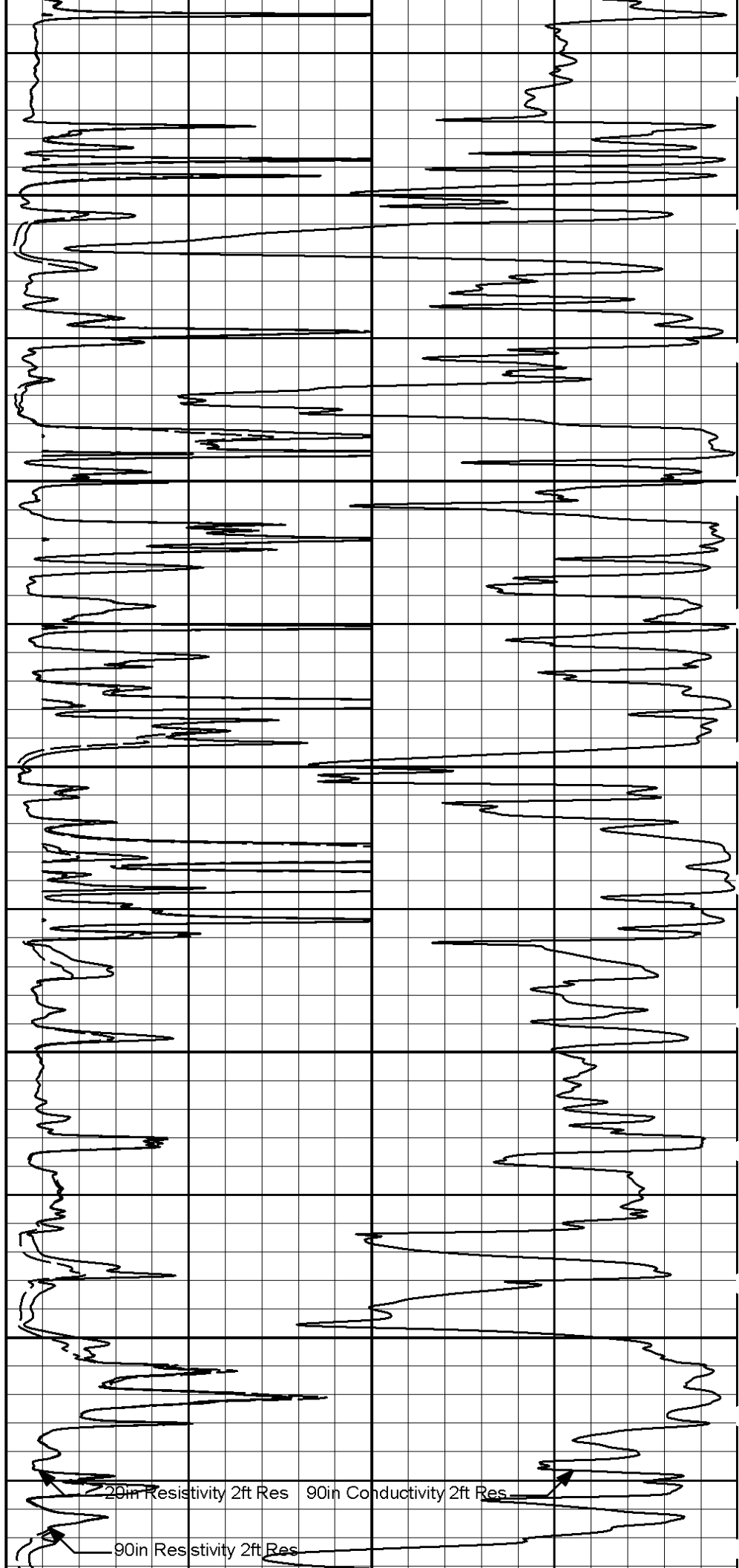
3000

3100

3200

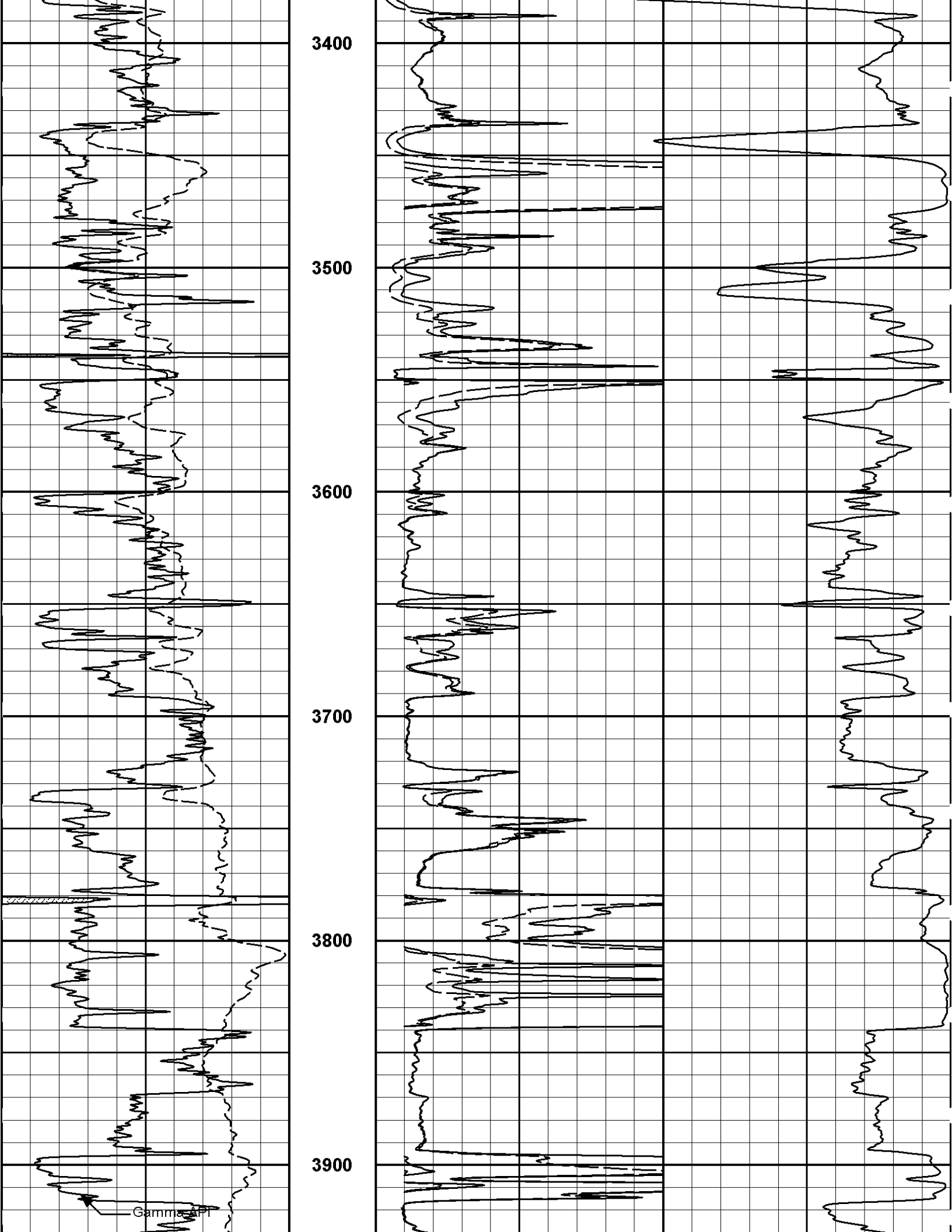
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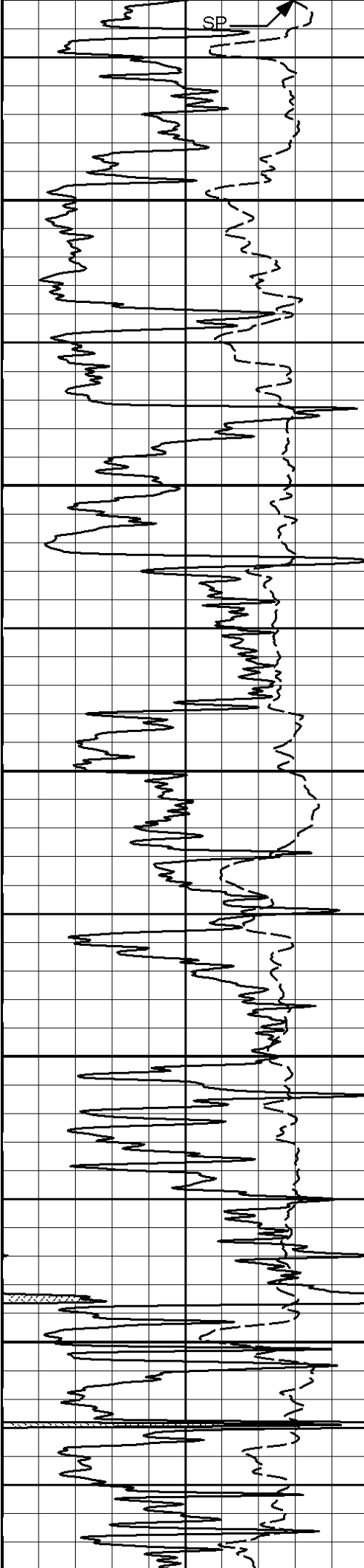
SP
Gamma API



20in Resistivity 2ft Res 90in Conductivity 2ft Res

90in Resistivity 2ft Res





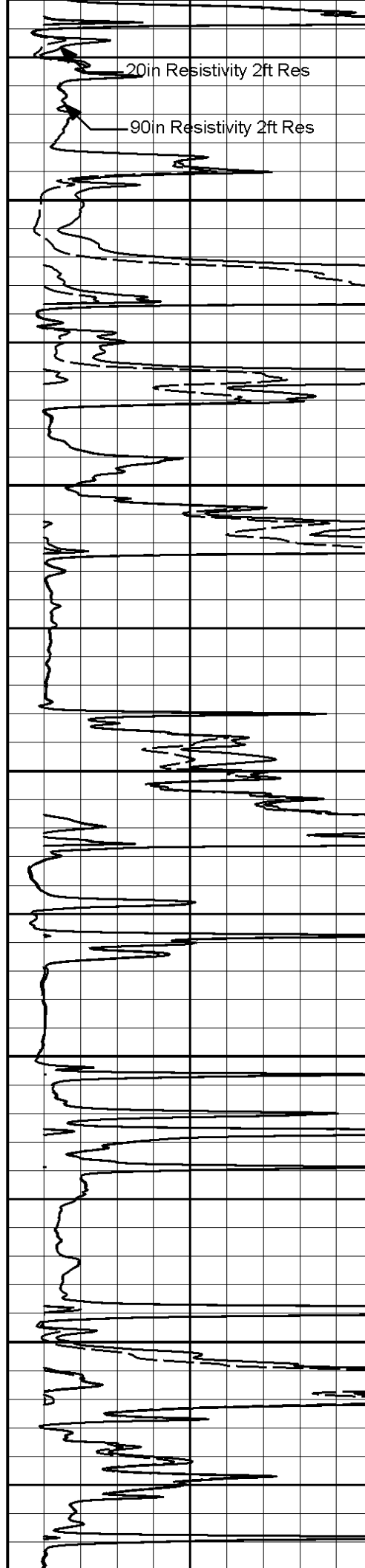
4000

4100

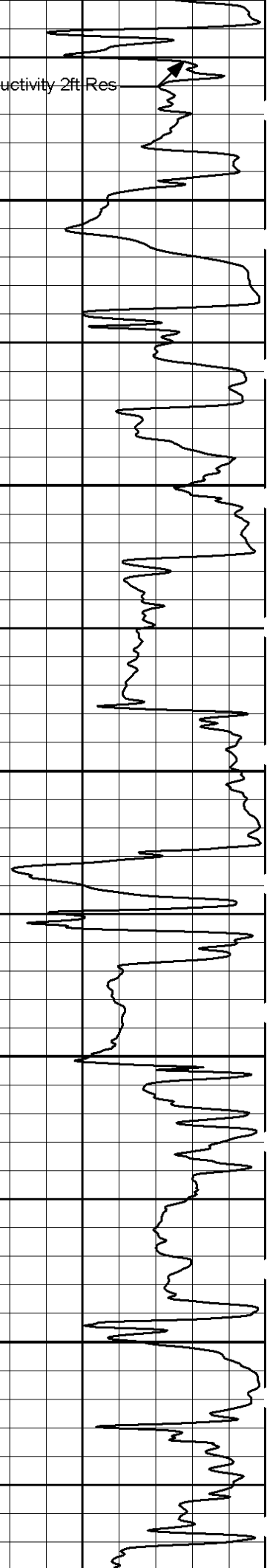
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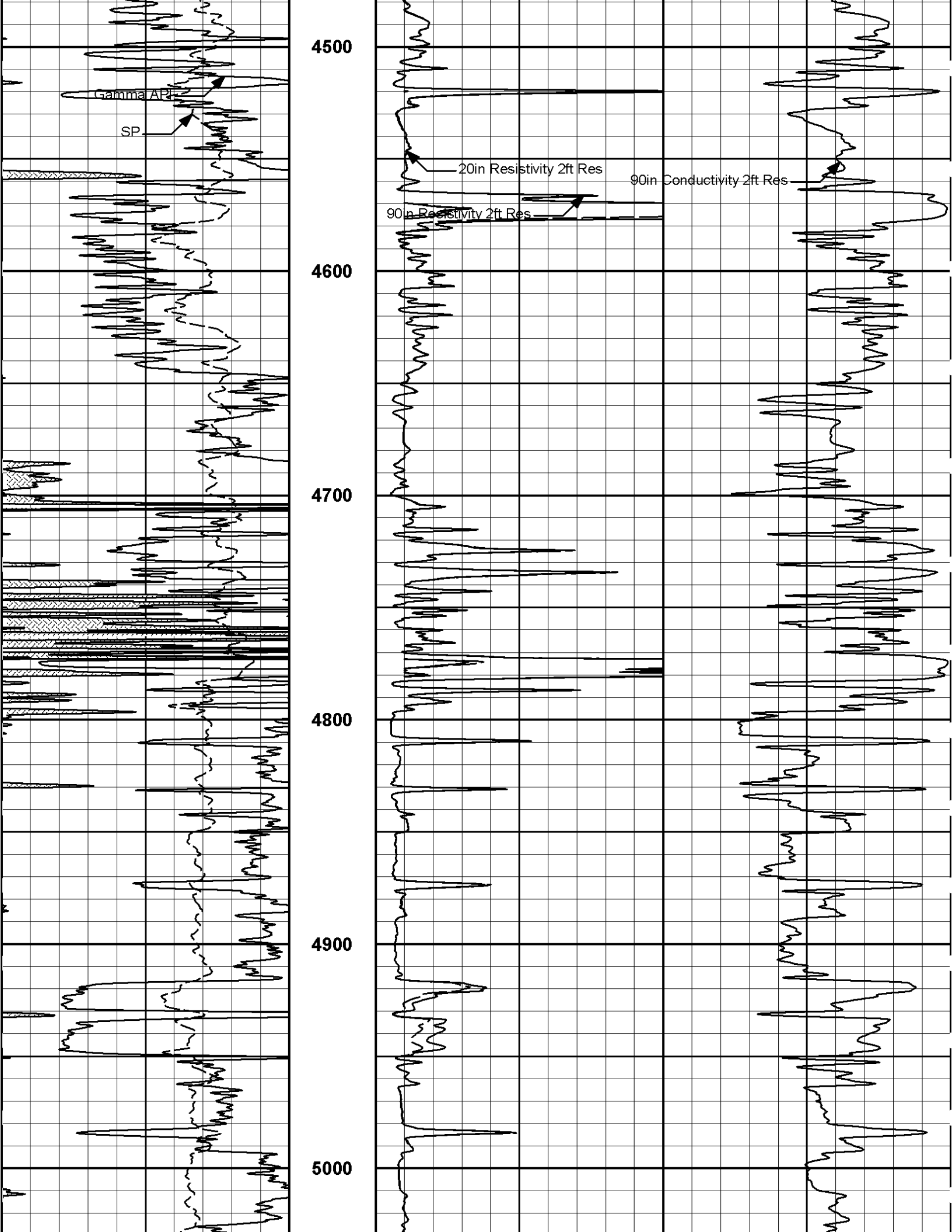
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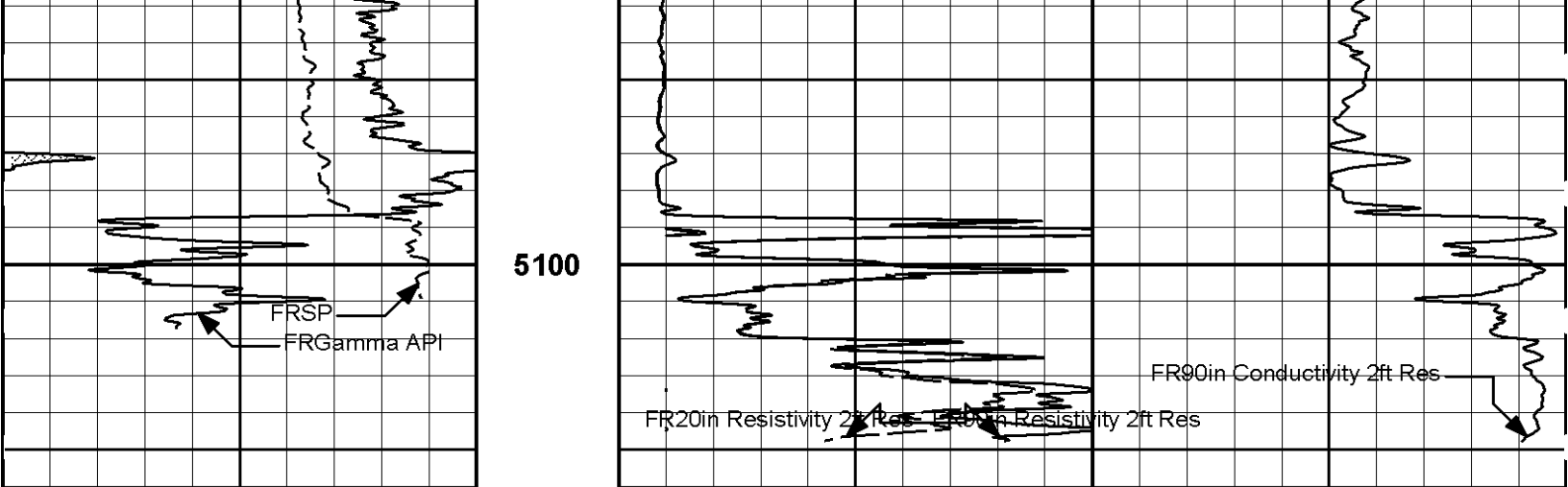
4400



90in Conductivity 2ft Res







0	Gamma API	150	MD 1 : 600 ft	0	20in Resistivity 2ft Res	50	
	api				ohm-metre		
	SP			0	90in Resistivity 2ft Res	50	
	-j20[+				ohm-metre		
				1000	90in Conductivity 2ft Res		0
					mmho per metre		

HALLIBURTON

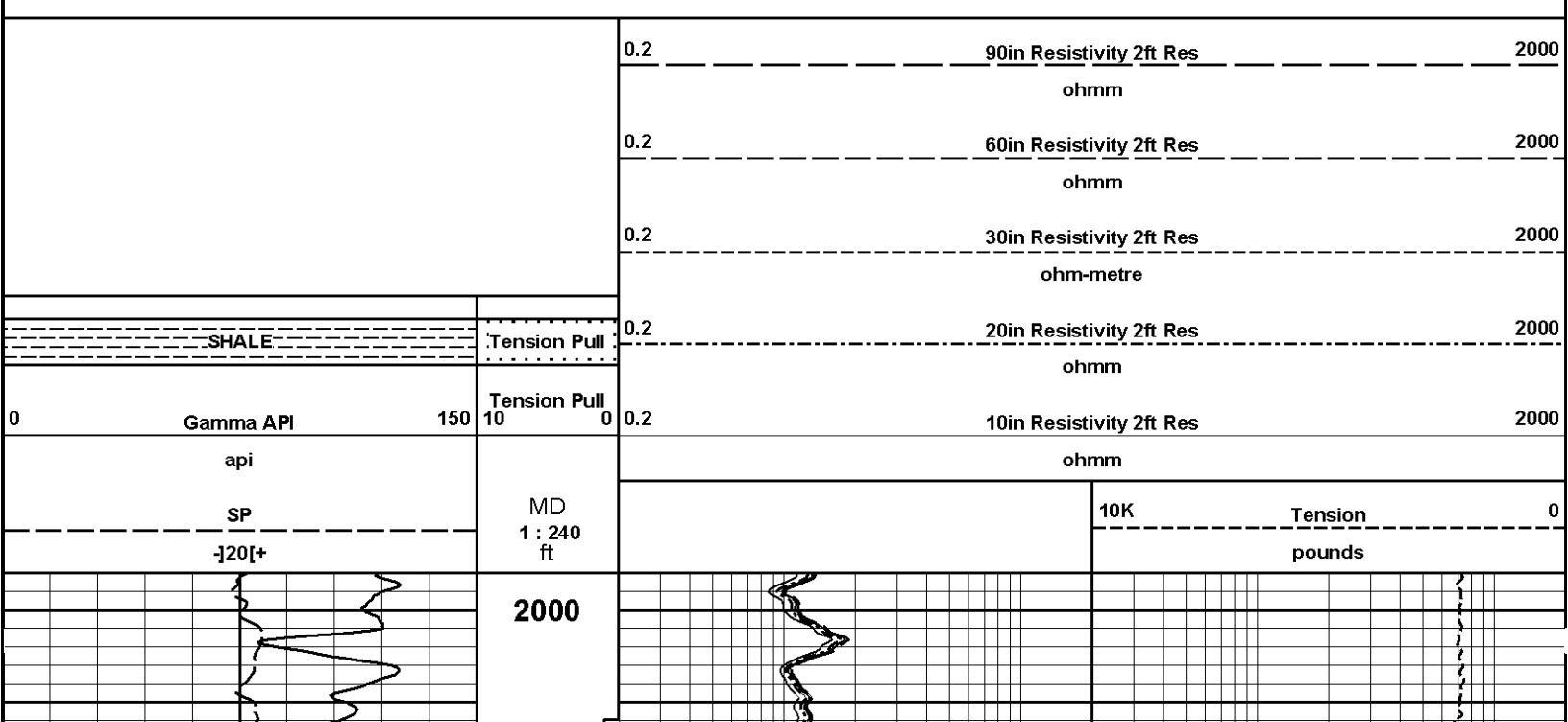
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Plot Range: 1580 ft to 5161.17 ft
Data: BERRYMAN_RU_6_4\Well Based\CASING\
Plot File: \\-LOCAL-\BERRYMAN_RU_6_4\0001 SP-GTET-DSN-SDL-ACRT-CH\ACRT\ACRT_2_lib

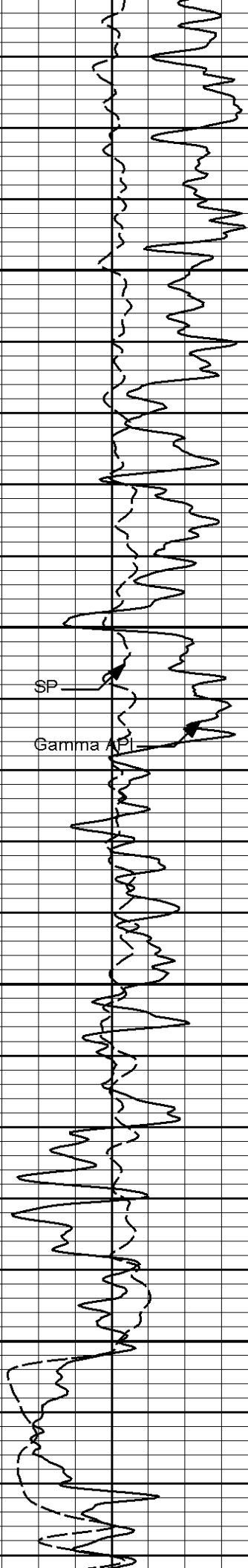
2 INCH MAIN LOG

HALLIBURTON

Plot Time: 16-Jul-11 11:09:39
Plot Range: 1996 ft to 5161.17 ft
Data: BERRYMAN_RU_6_4\Well Based\DETAIL\
Plot File: \\-LOCAL-\BERRYMAN_RU_6_4\0001 SP-GTET-DSN-SDL-ACRT-CH\ACRT\ACRT_5_main_lib

5 INCH MAIN LOG





2100

20in Resistivity 2ft Res

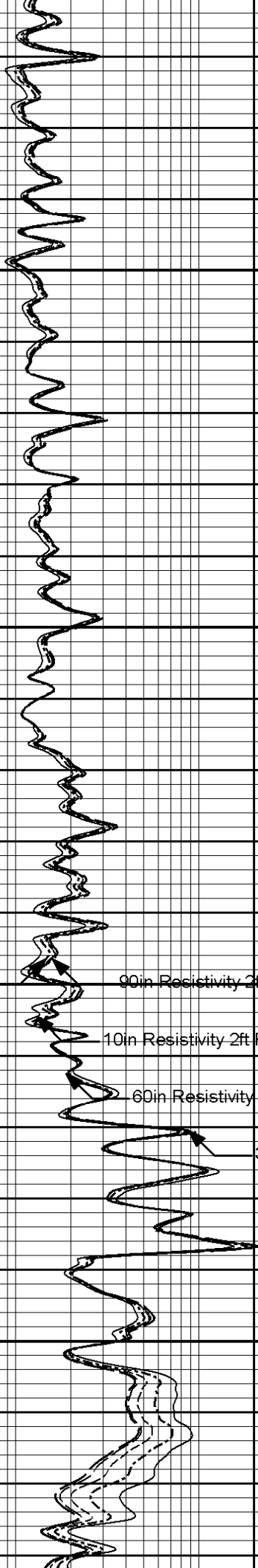
90in Resistivity 2ft Res

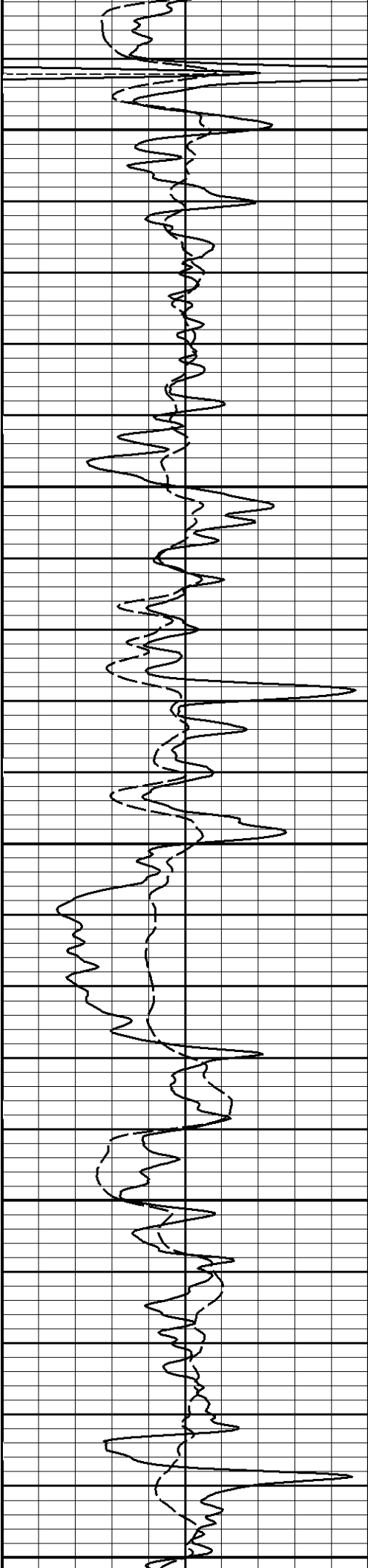
10in Resistivity 2ft Res

60in Resistivity 2ft Res

30in Resistivity 2ft Res

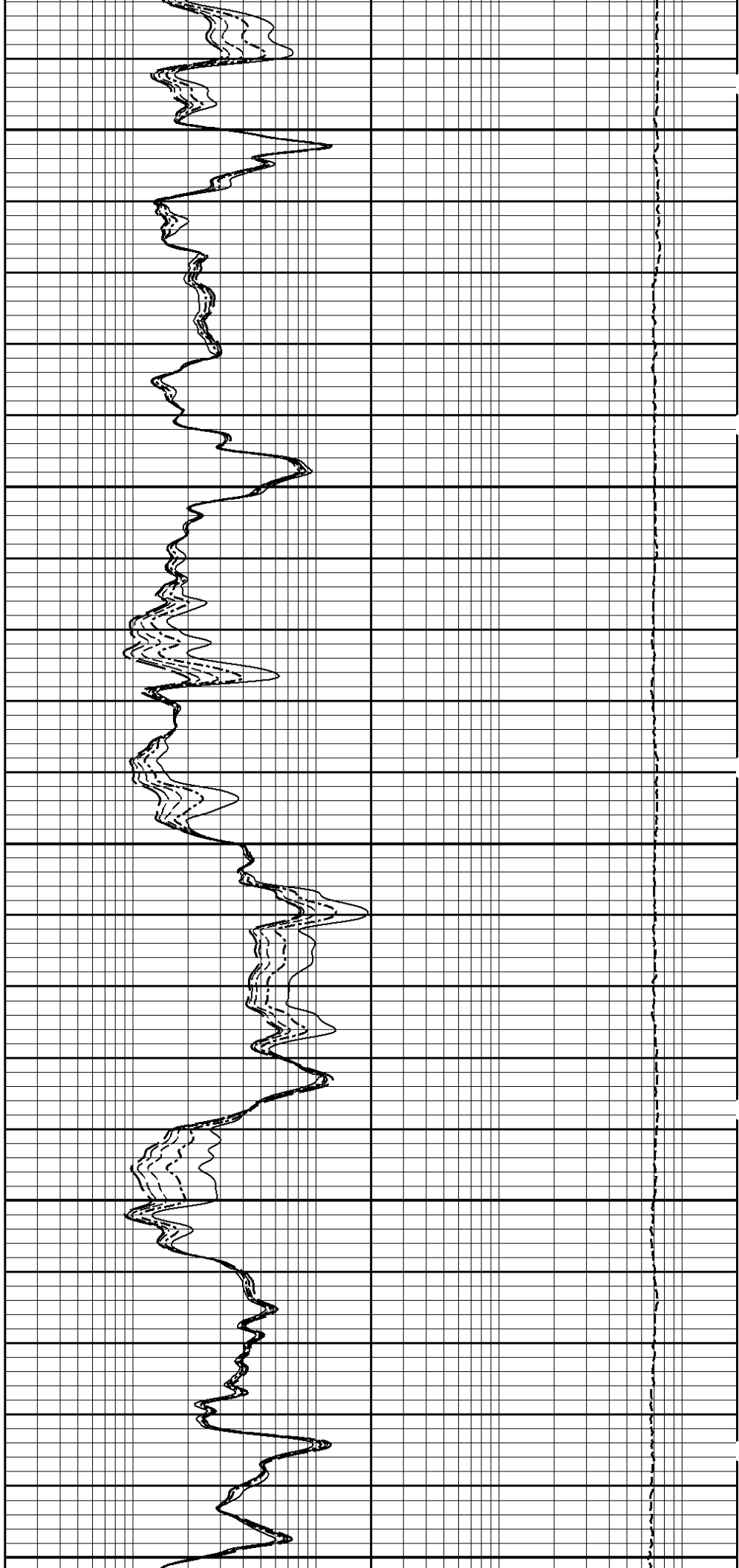
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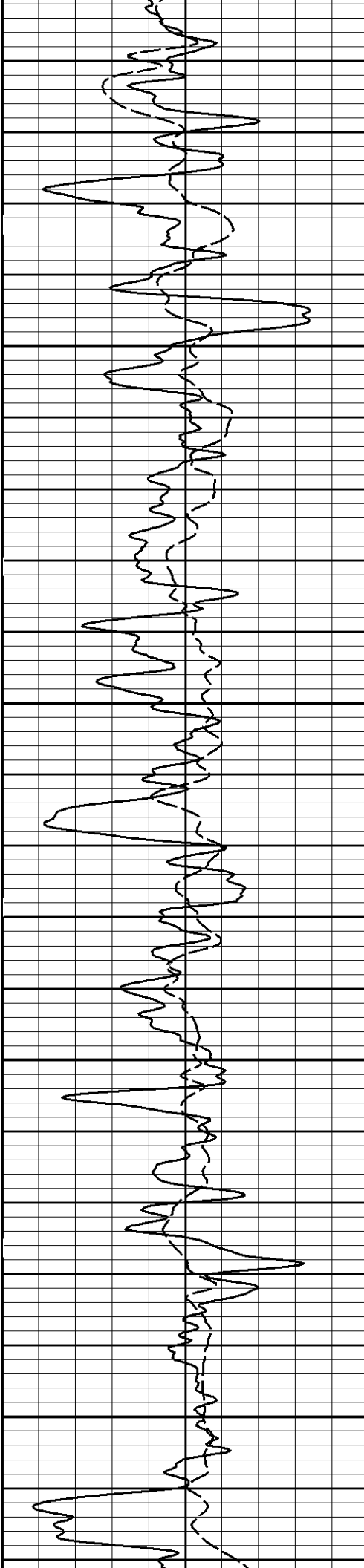




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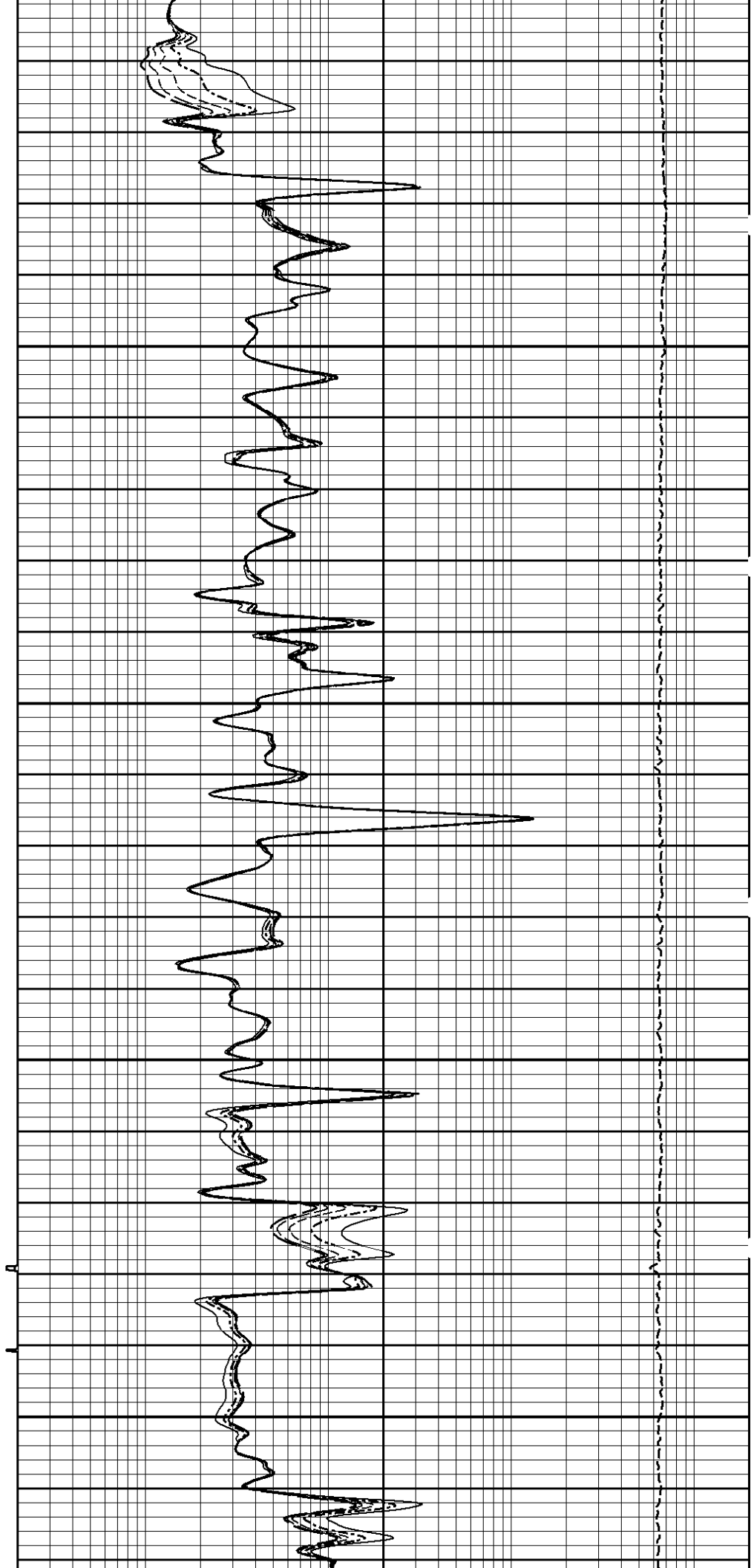
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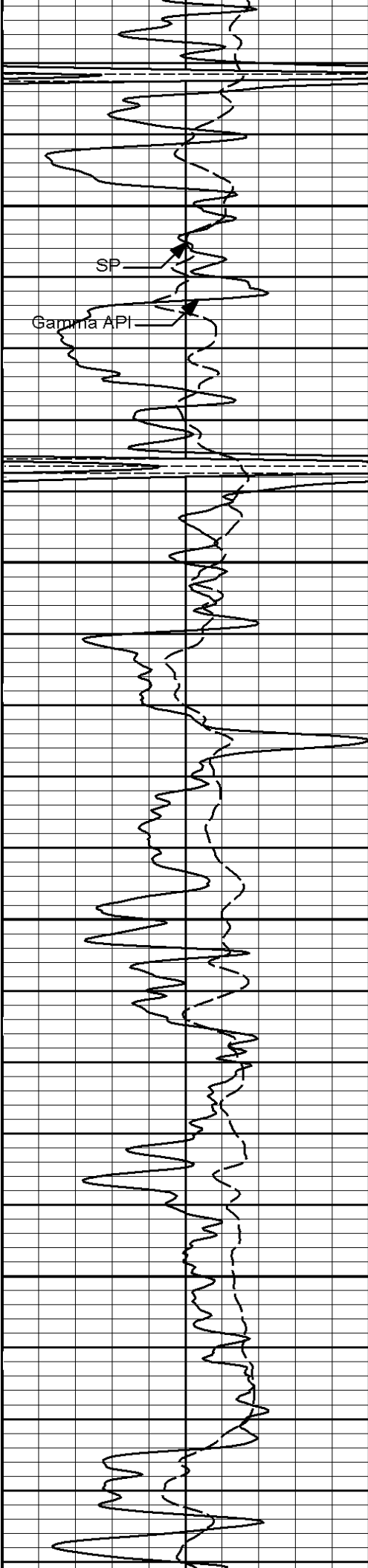




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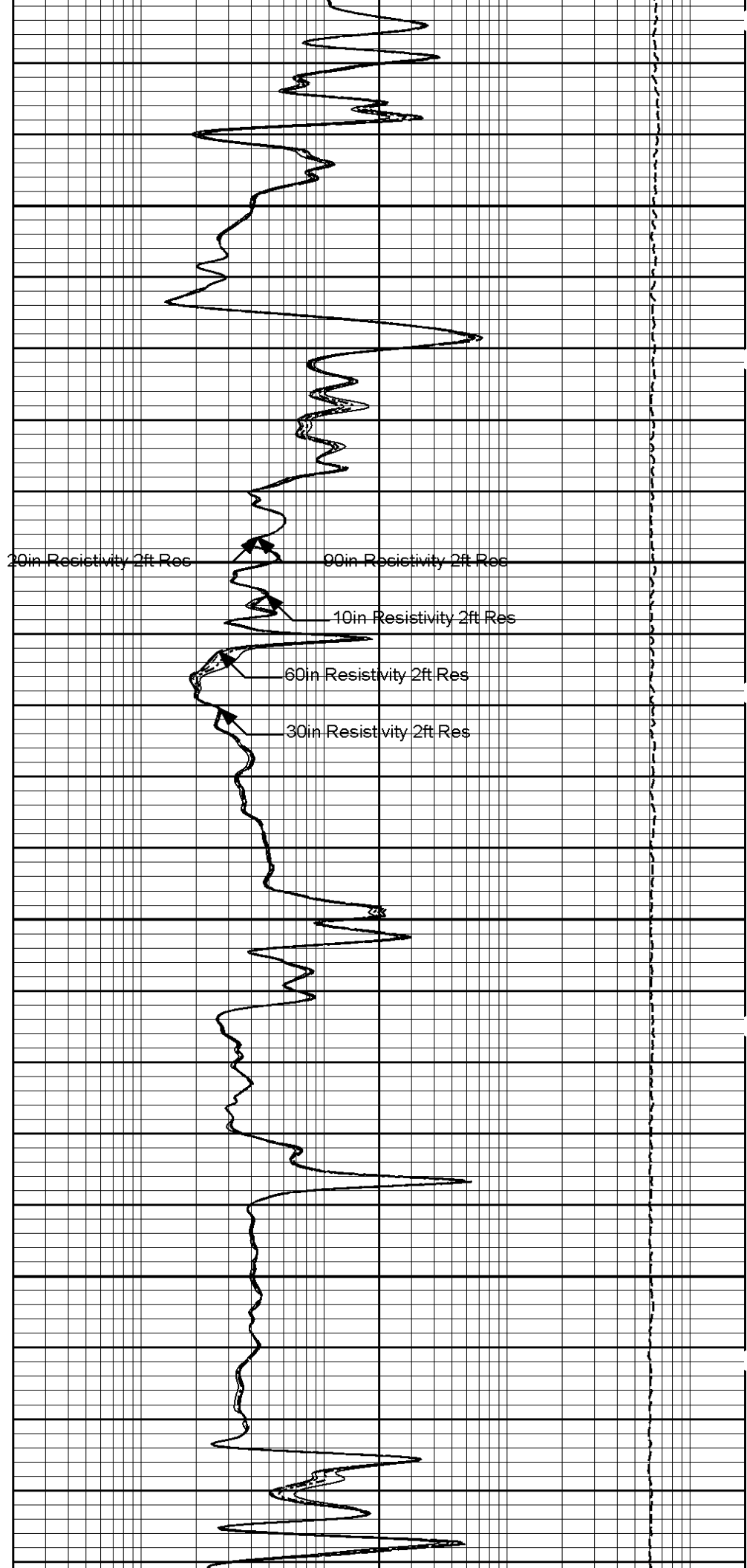
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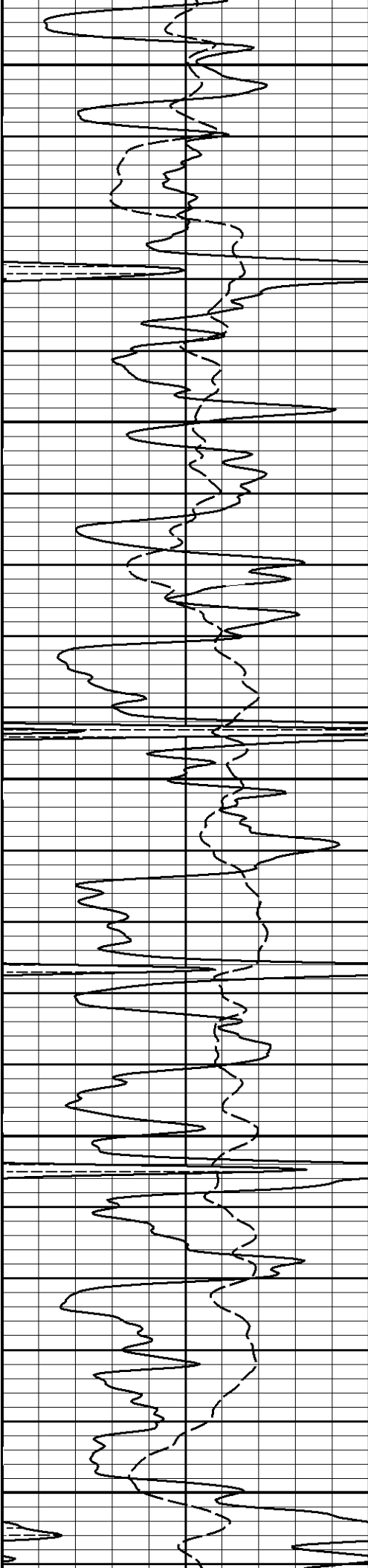




2700

2800

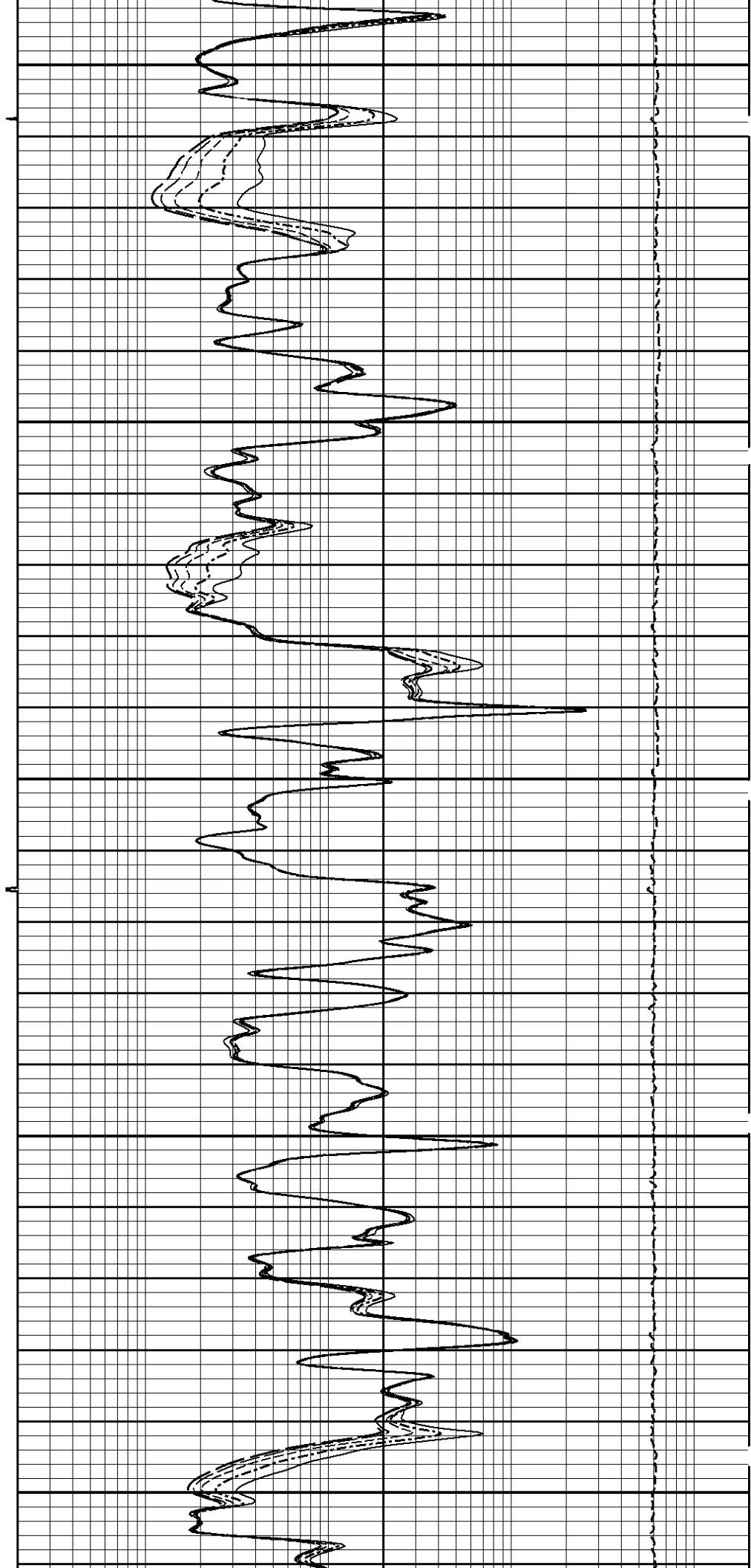




2900

3000

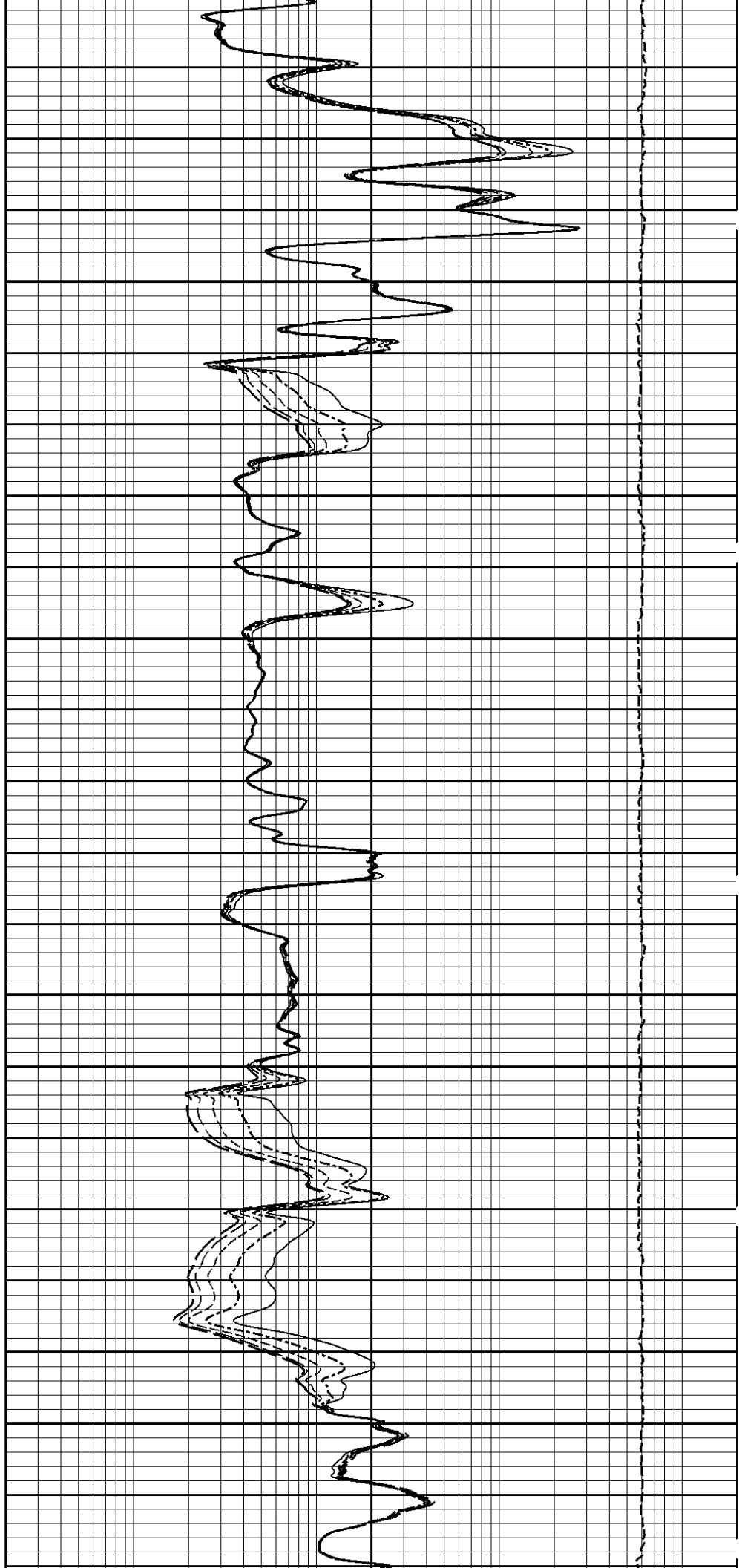
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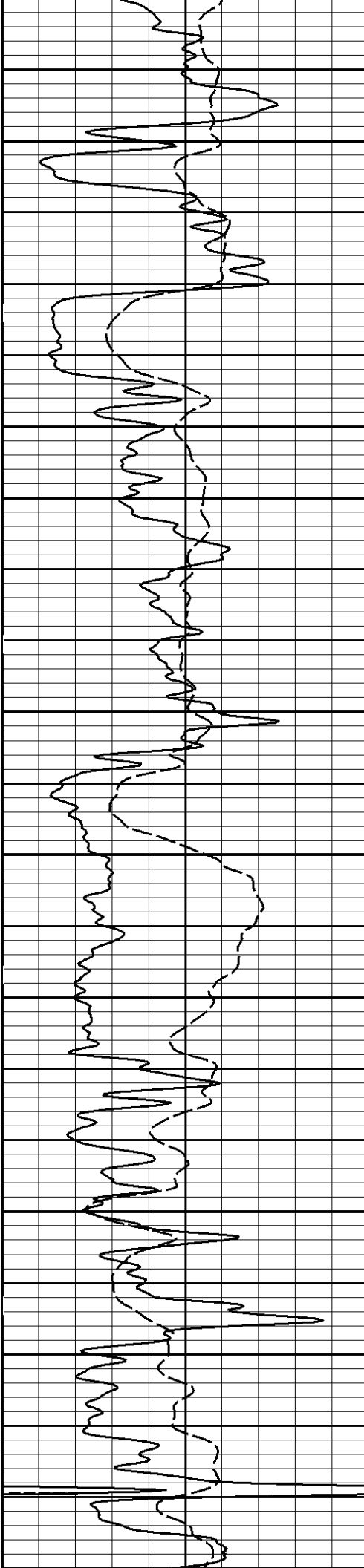




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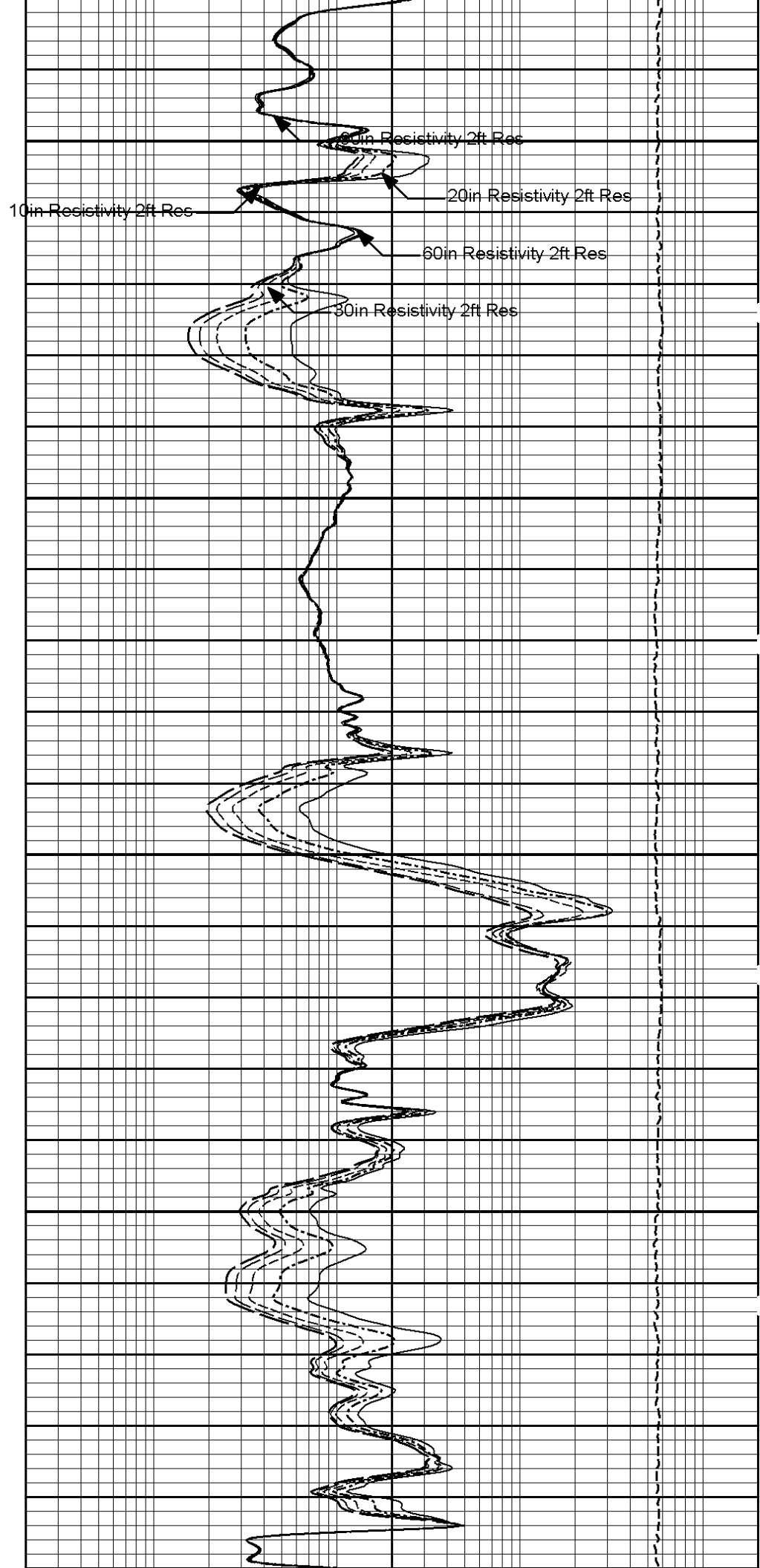
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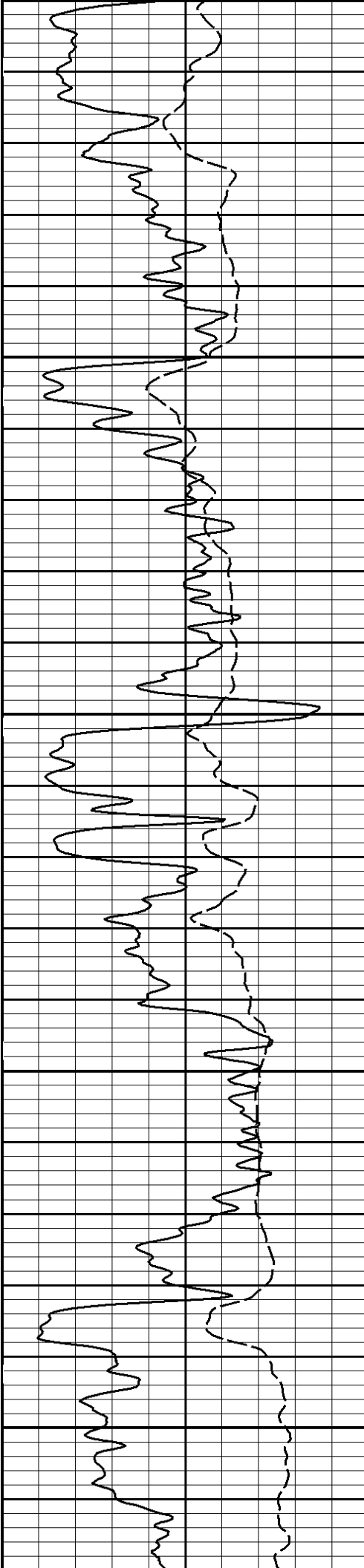




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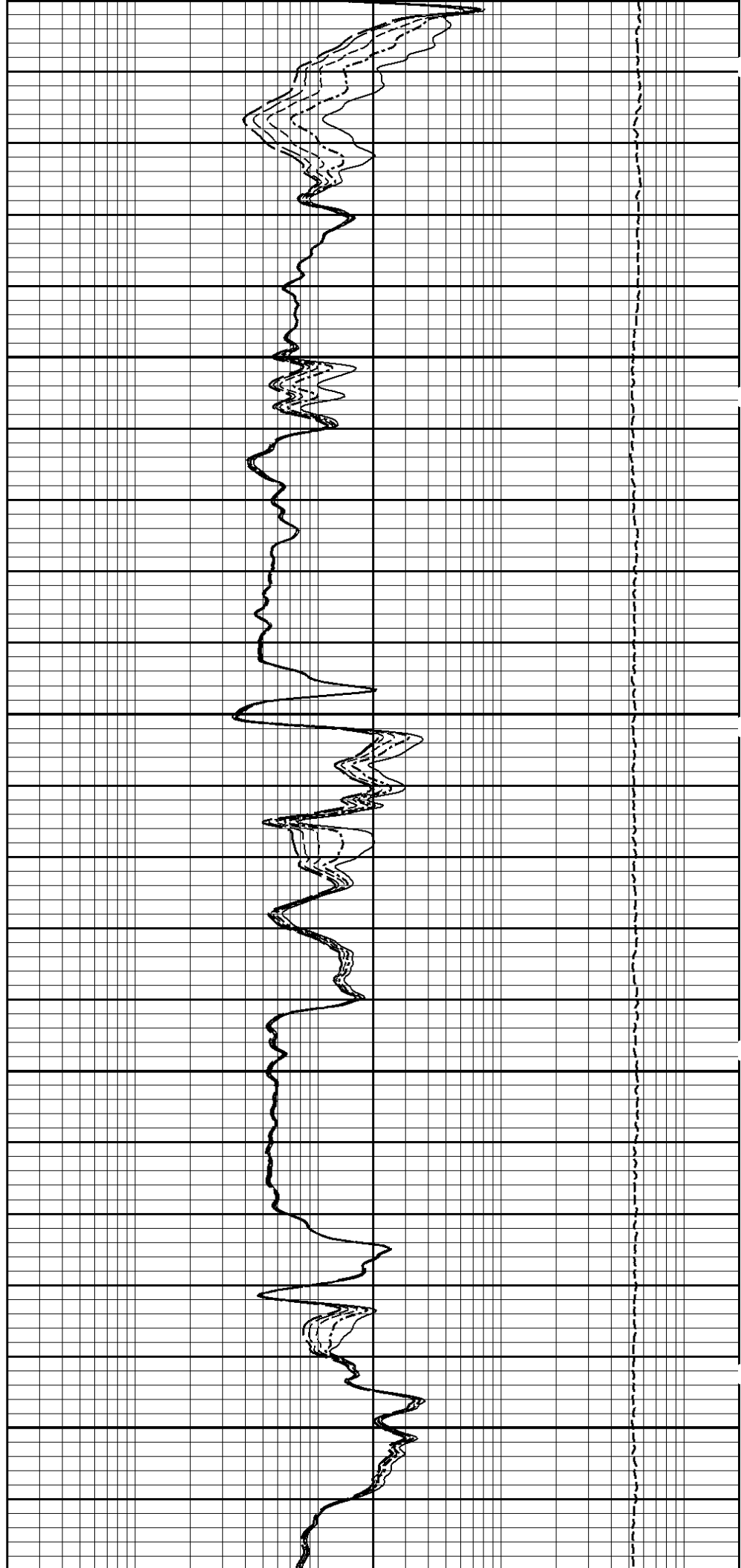
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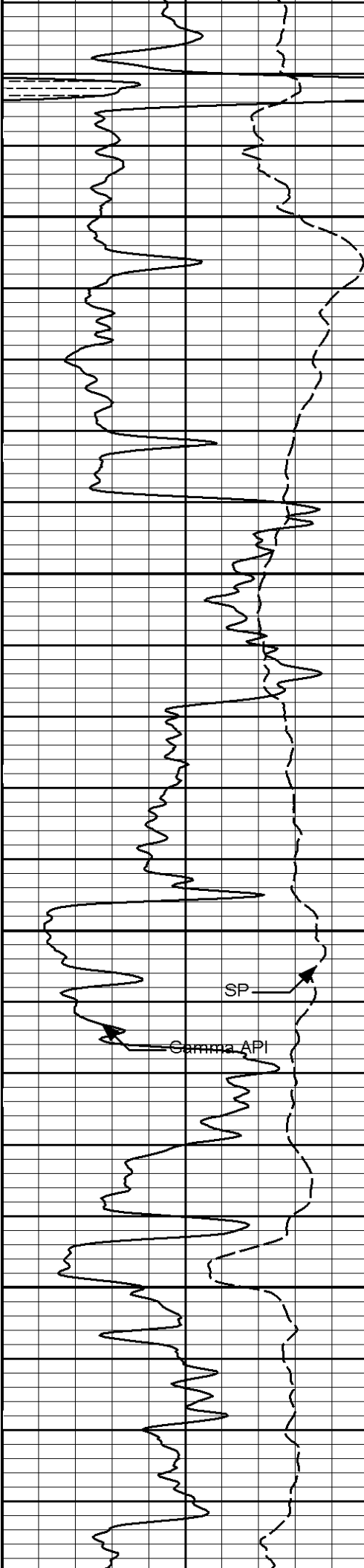




3600

3700



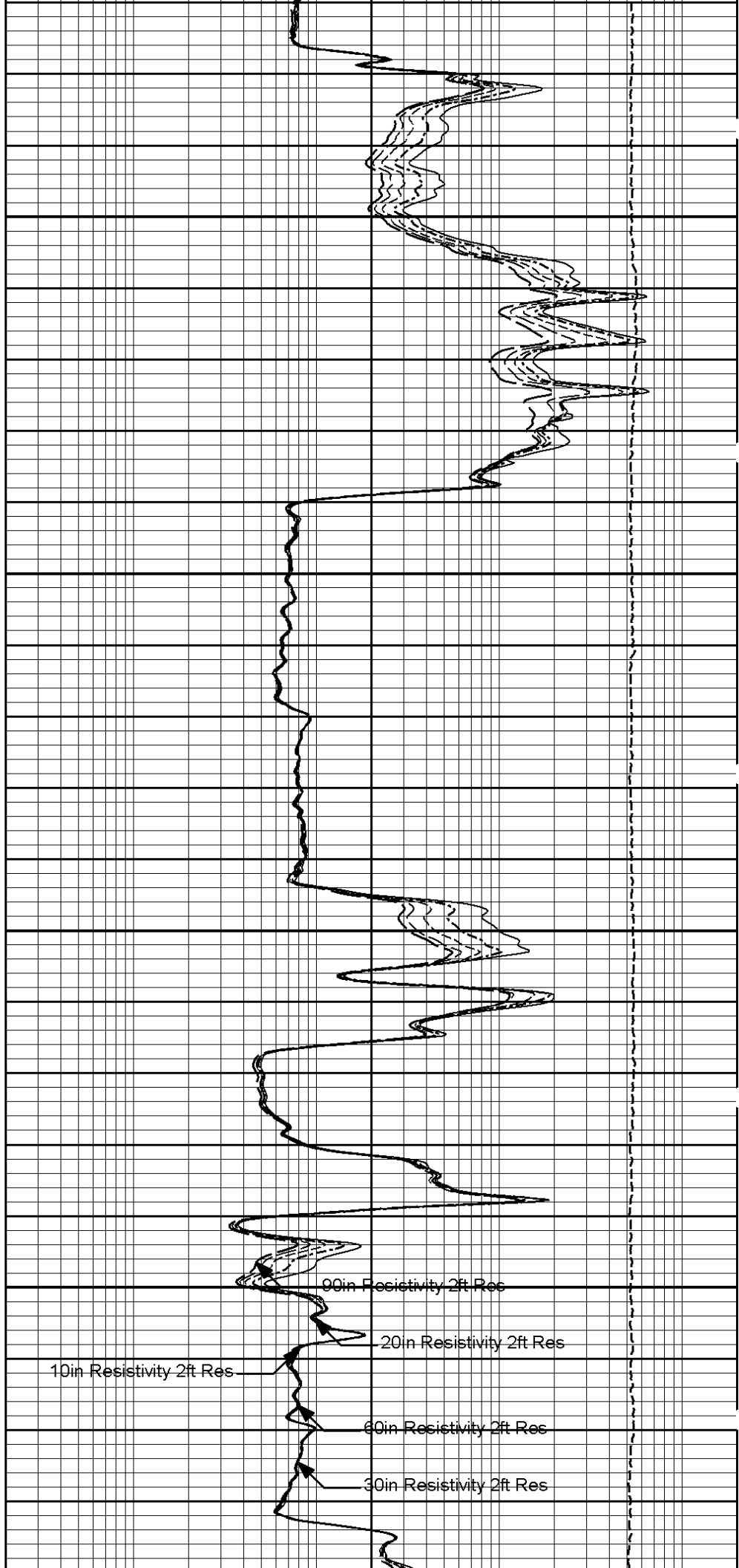


3800

3900

SP

Gamma API



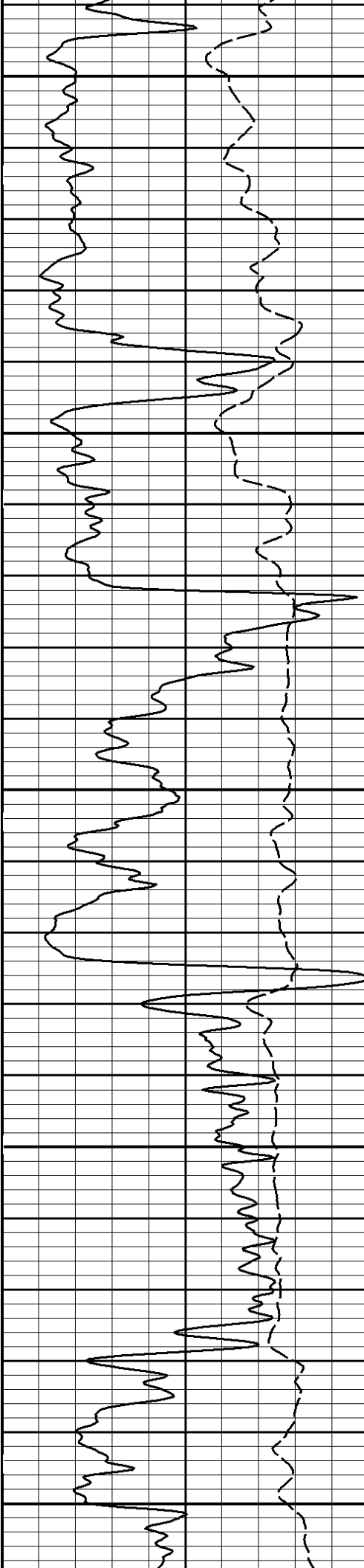
90in Resistivity 2ft Res

20in Resistivity 2ft Res

10in Resistivity 2ft Res

60in Resistivity 2ft Res

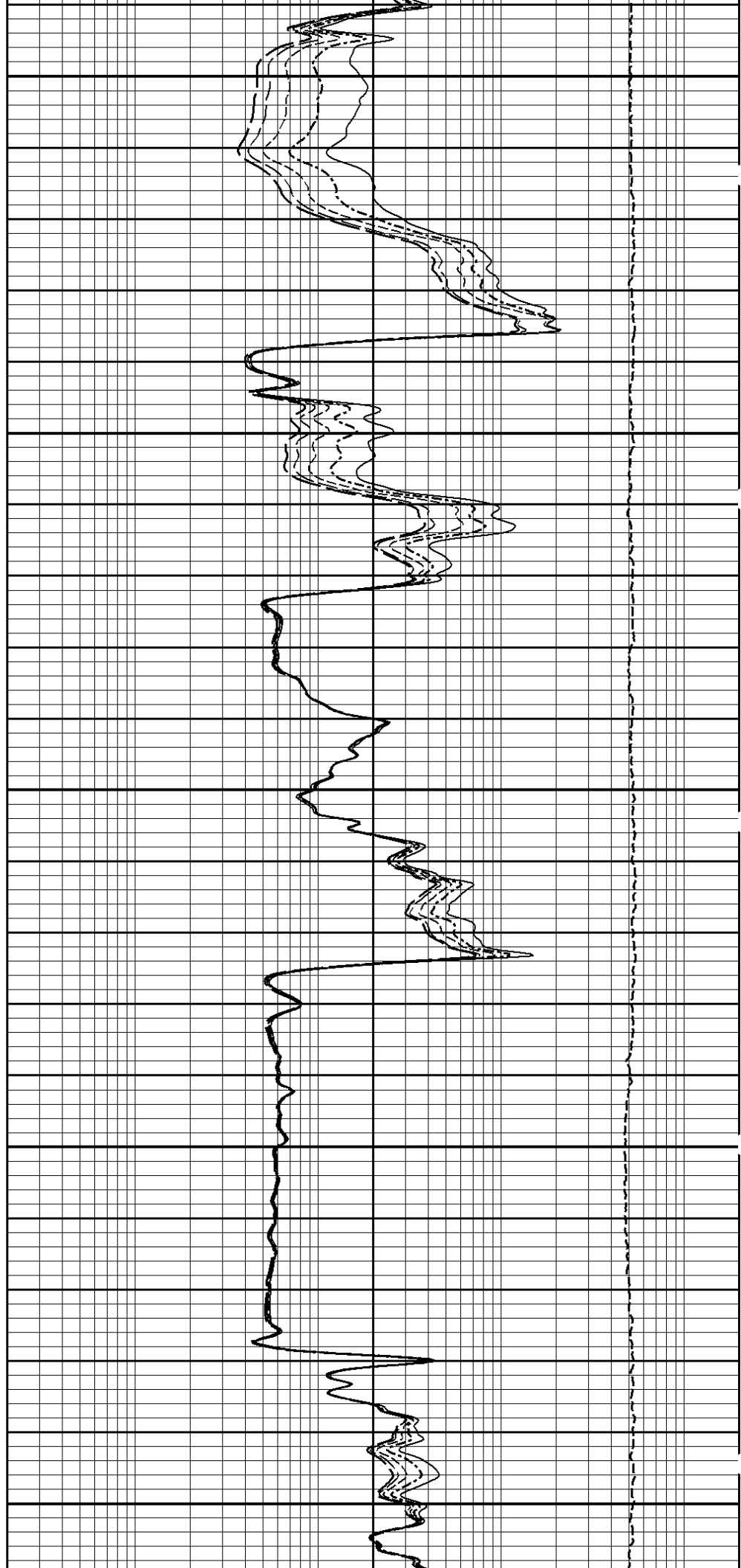
30in Resistivity 2ft Res

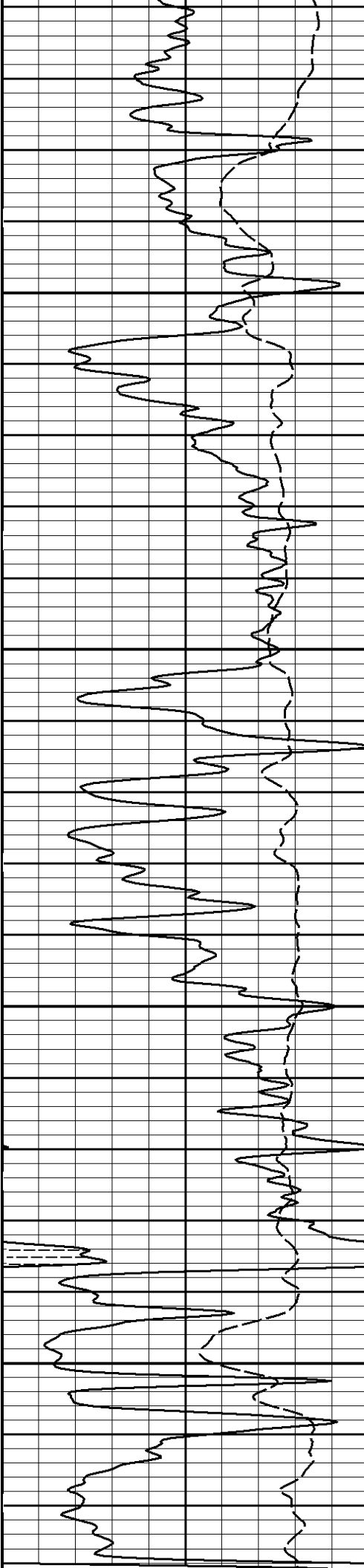


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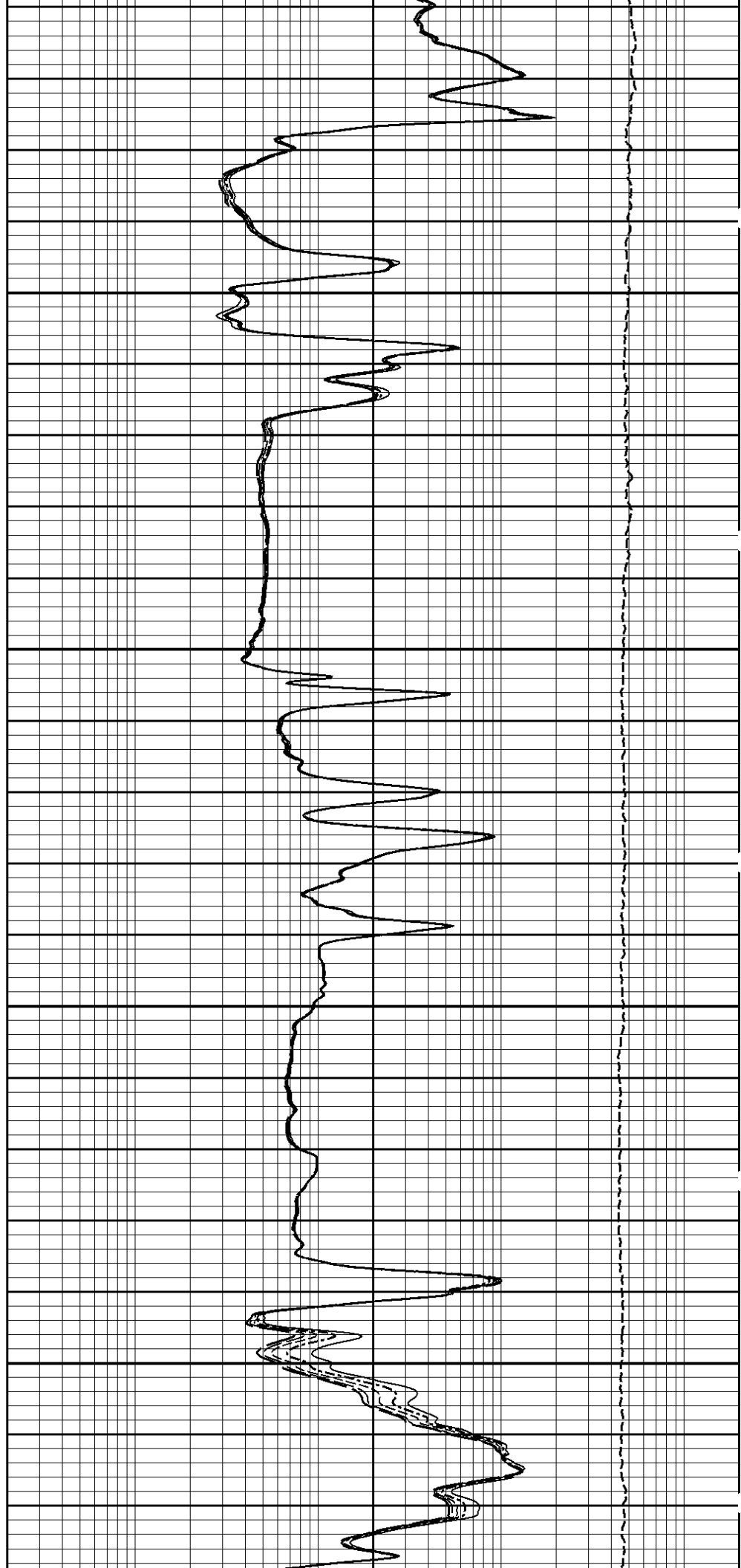
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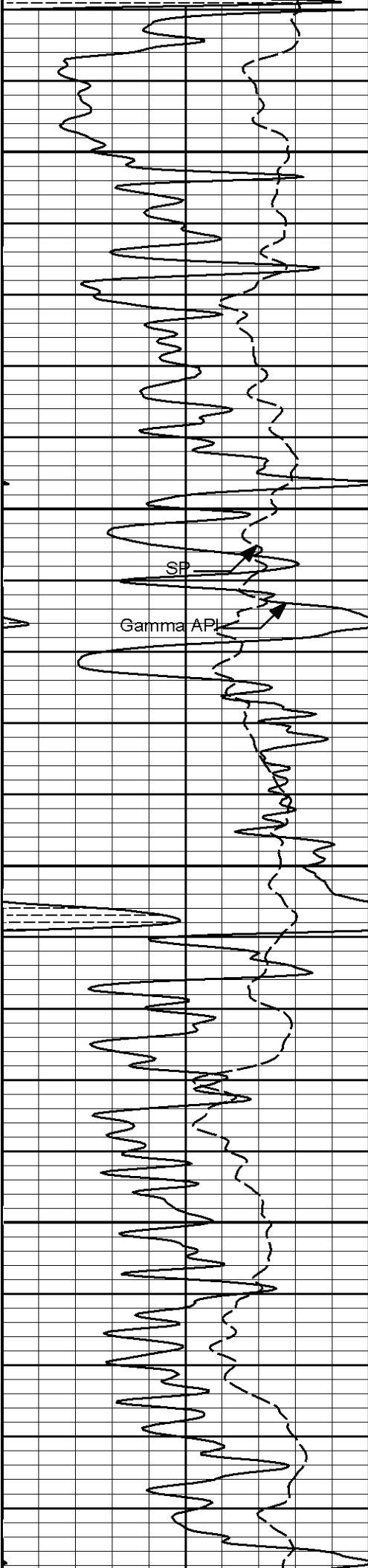




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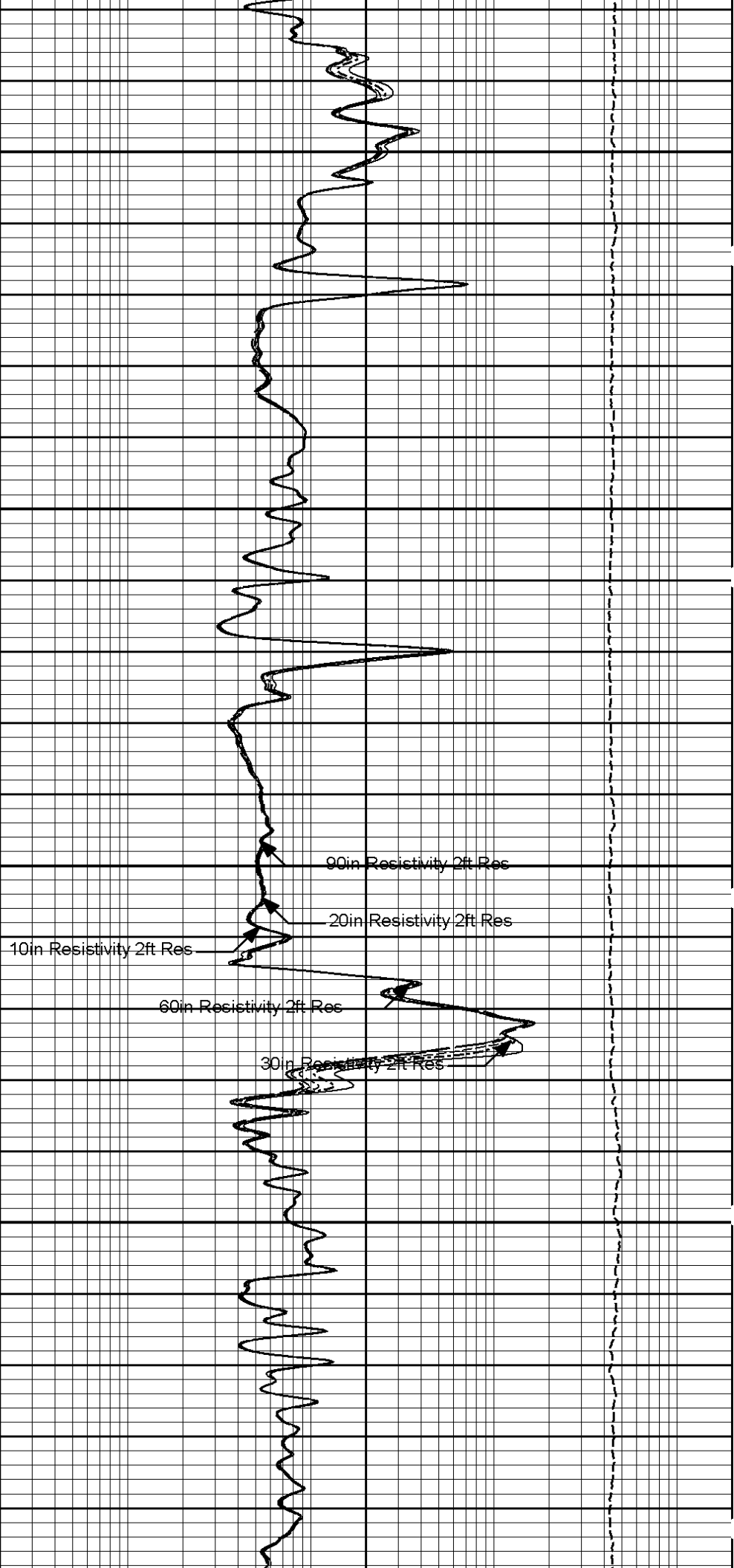
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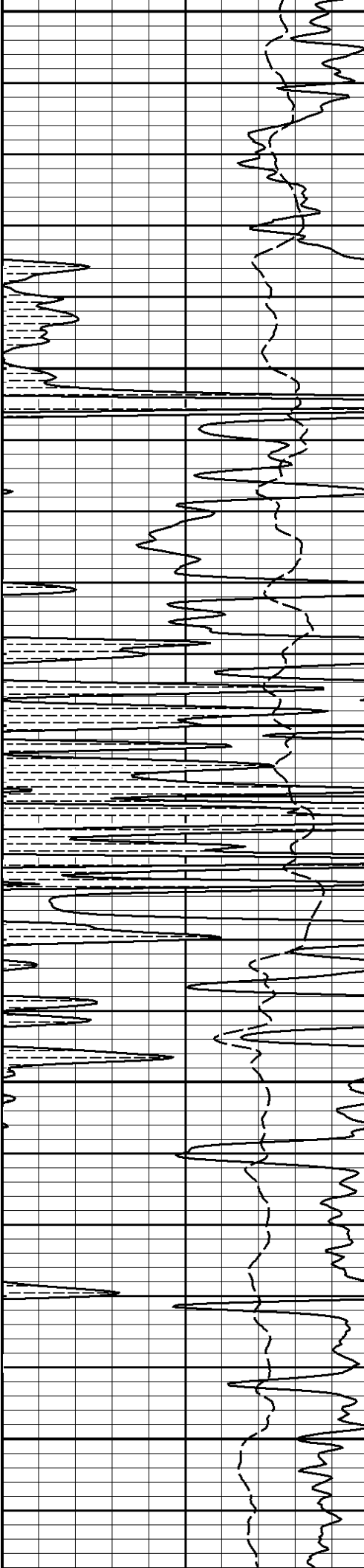




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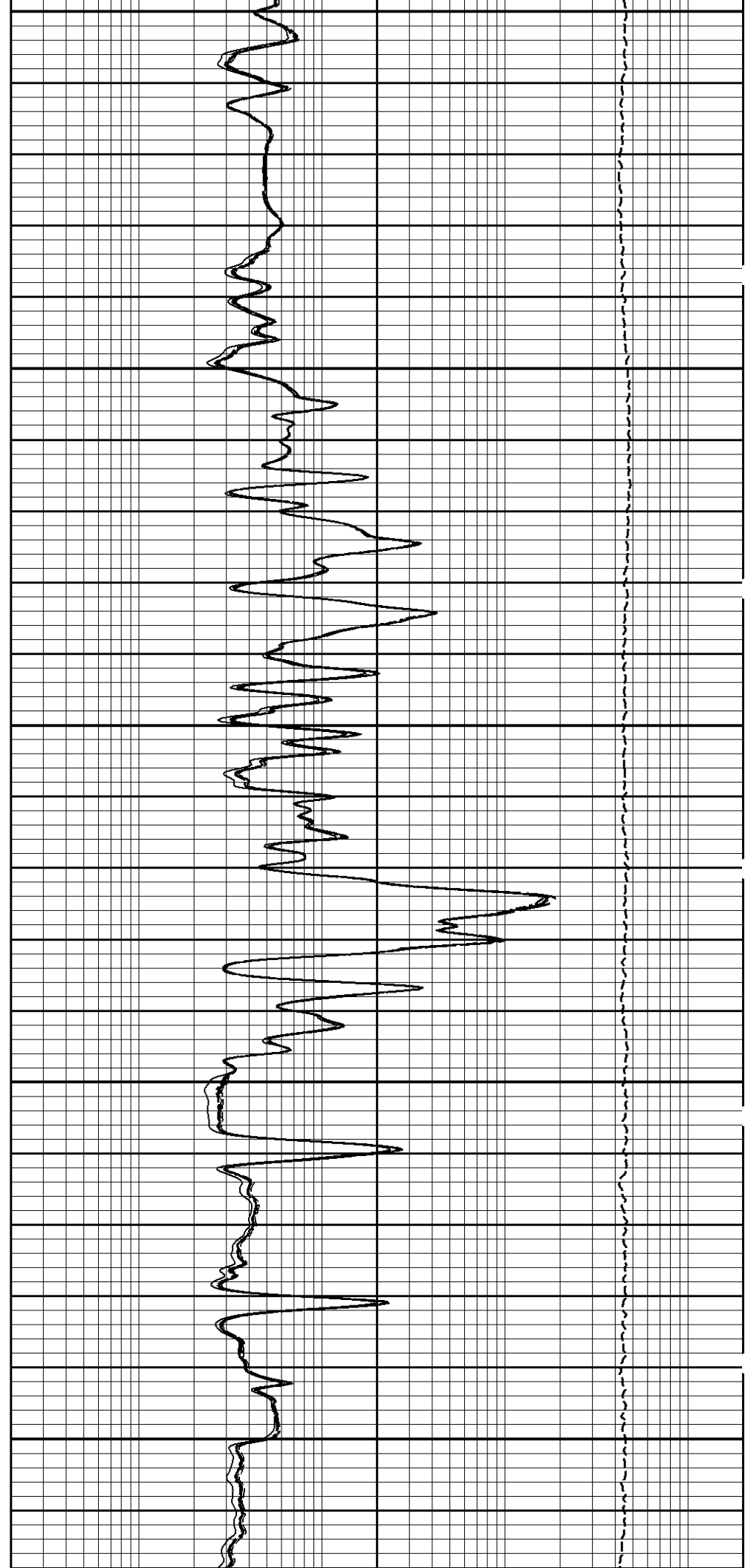
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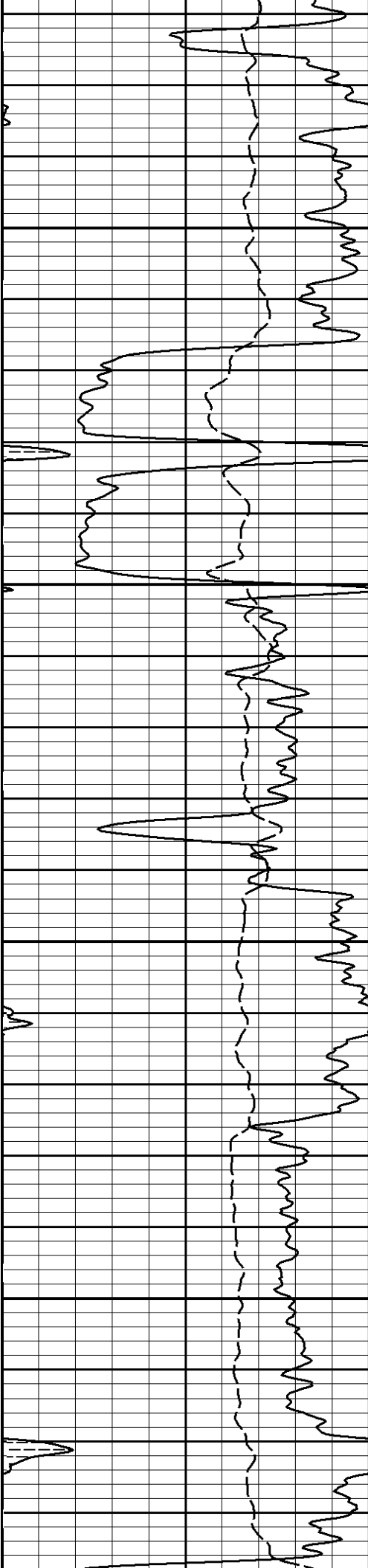




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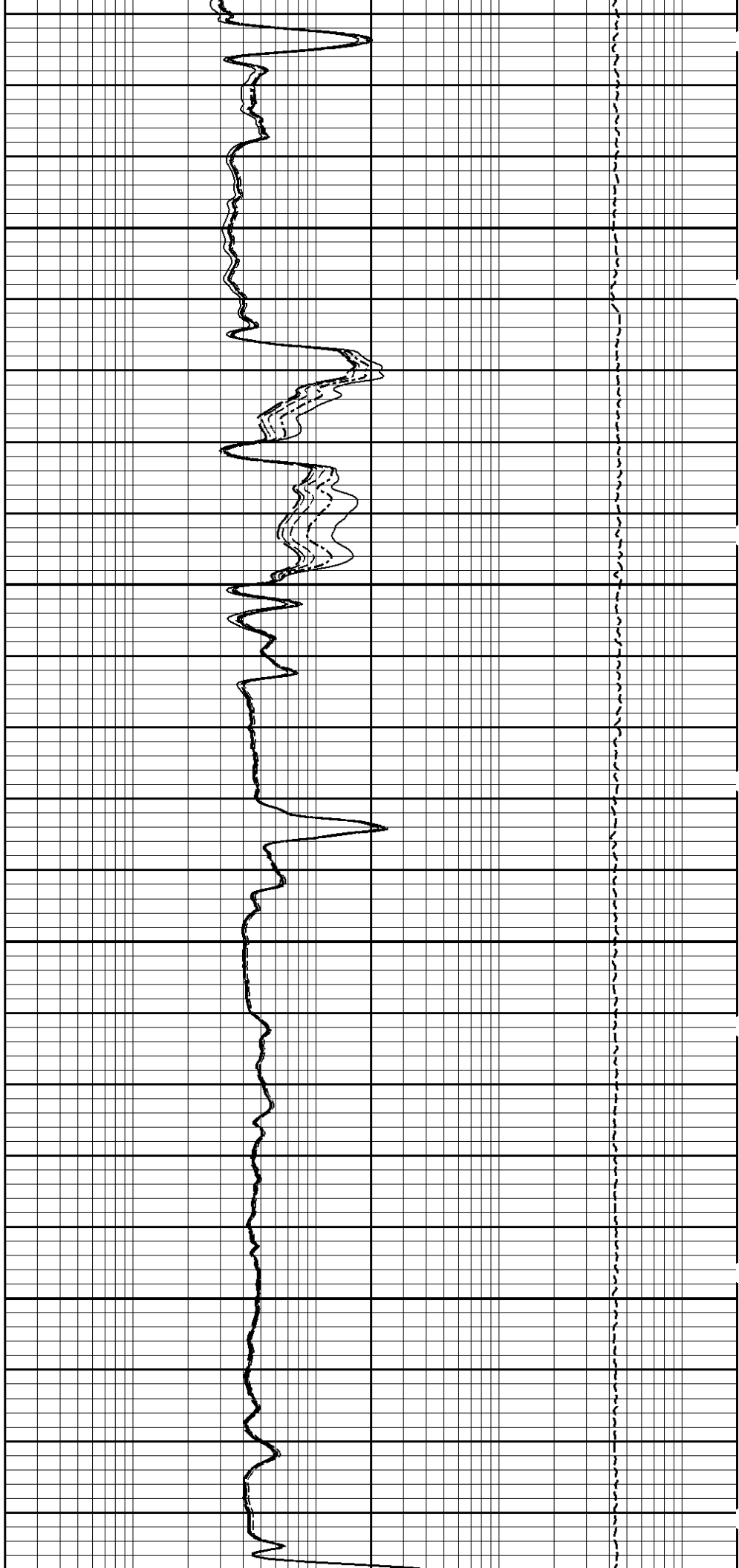
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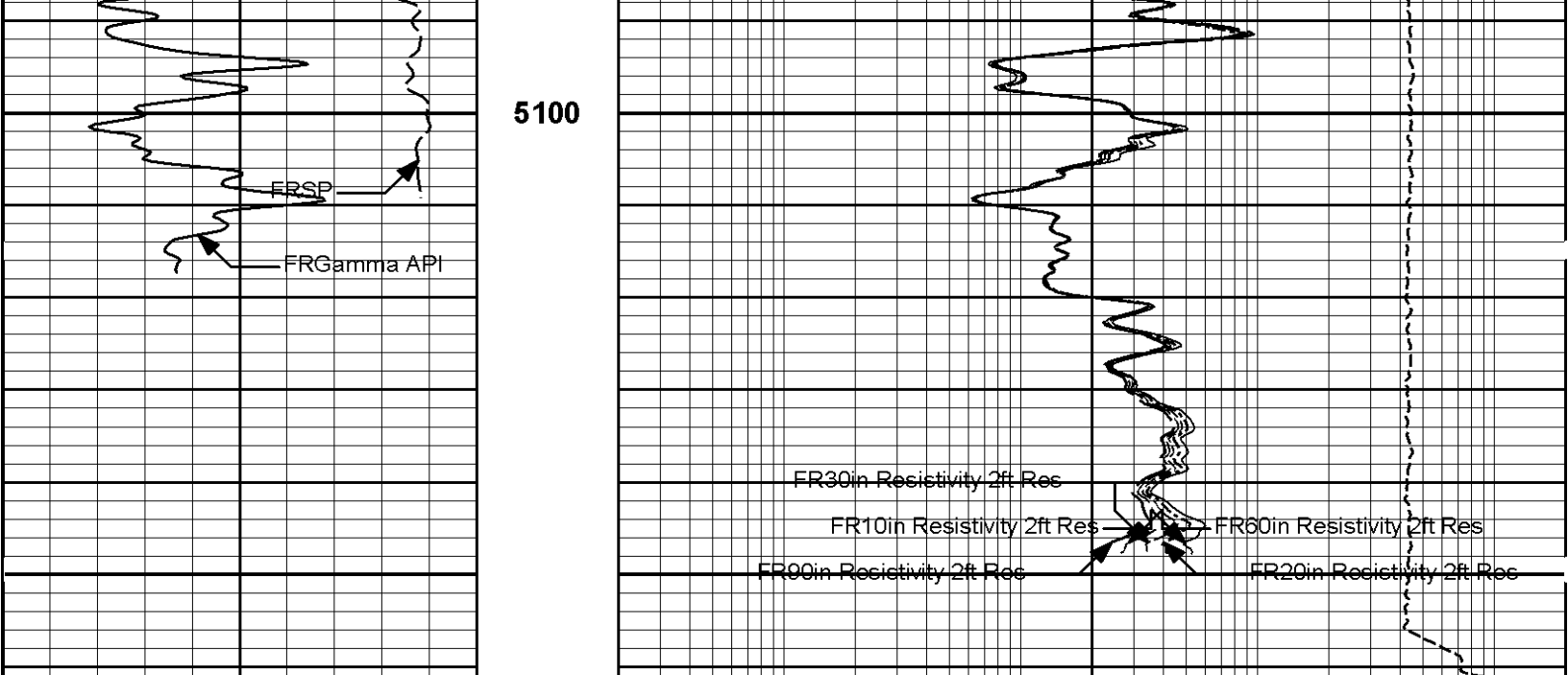




4900

5000



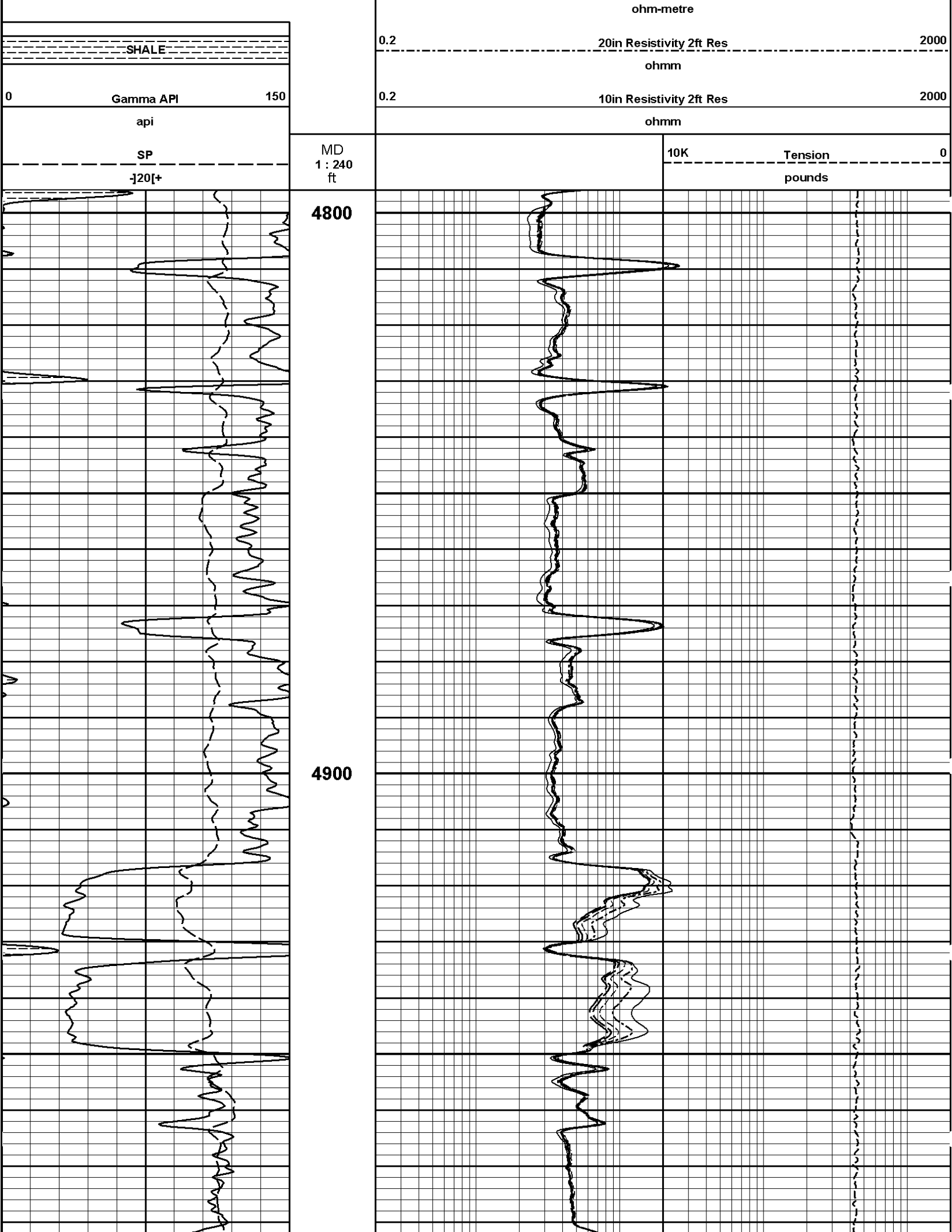


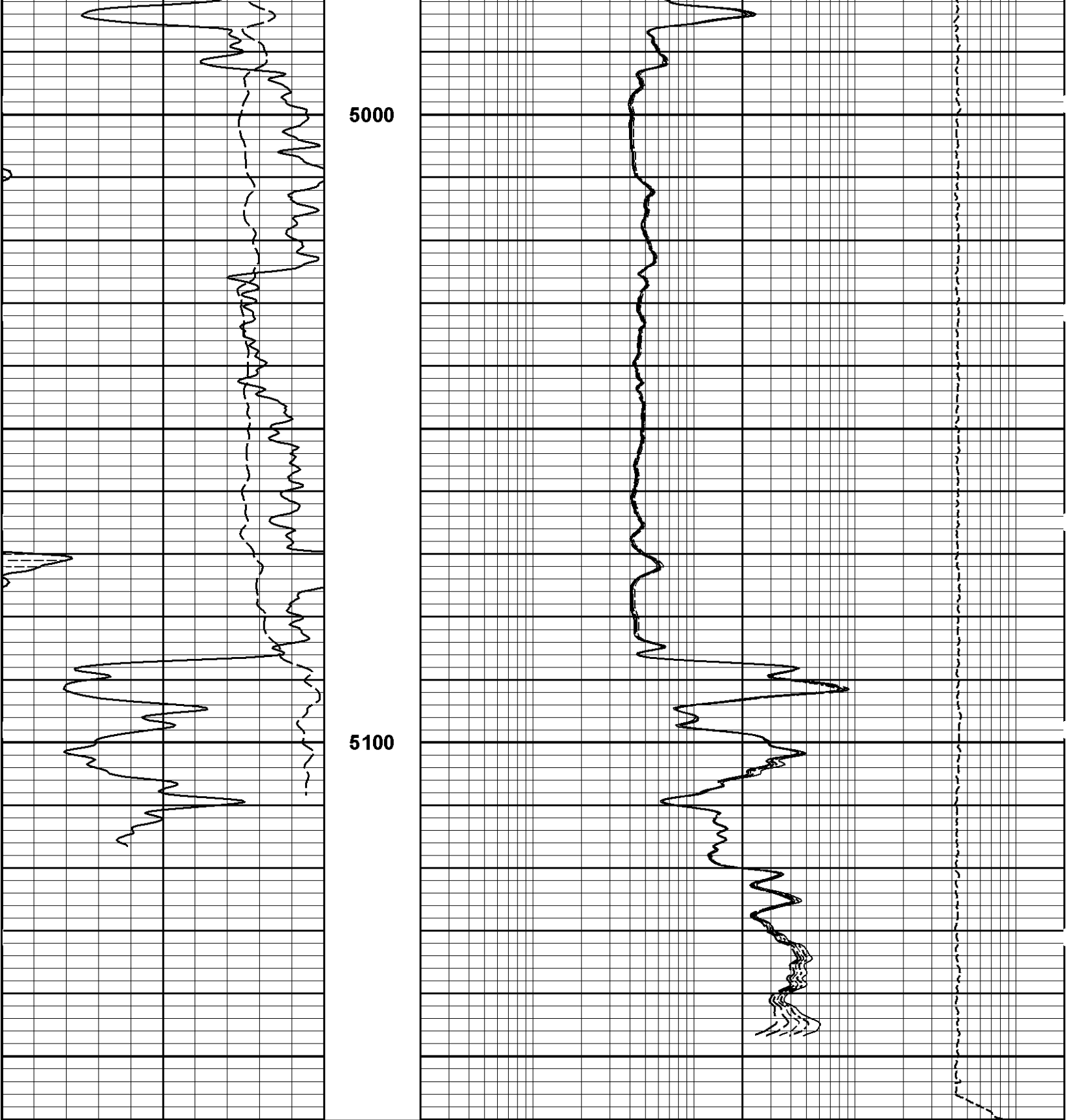
SP	MD	10K	Tension	0
-120[+	1 : 240 ft		pounds	
0 Gamma API 150	Tension Pull 10 0	0.2	10in Resistivity 2ft Res	2000
api			ohmm	
SHALE	Tension Pull	0.2	20in Resistivity 2ft Res	2000
			ohmm	
		0.2	30in Resistivity 2ft Res	2000
			ohm-metre	
		0.2	60in Resistivity 2ft Res	2000
			ohmm	
		0.2	90in Resistivity 2ft Res	2000
			ohmm	

HALLIBURTON	Plot Time: 16-Jul-11 11:09:45 Plot Range: 1996 ft to 5161.17 ft Data: BERRYMAN_RU_6_4\Well Based\DETAIL\ Plot File: \\-LOCAL-BERRYMAN_RU_6_4\0001 SP-GTET-DSN-SDL-ACRT-CH\ACRT\ACRT_5_main_lib
5 INCH MAIN LOG	

HALLIBURTON	Plot Time: 16-Jul-11 11:09:45 Plot Range: 4796 ft to 5160.25 ft Data: BERRYMAN_RU_6_4\Well Based\REPEAT\ Plot File: \\-LOCAL-BERRYMAN_RU_6_4\0001 SP-GTET-DSN-SDL-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





SP -120[+ 0Gamma API150 api SHALE	MD 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	

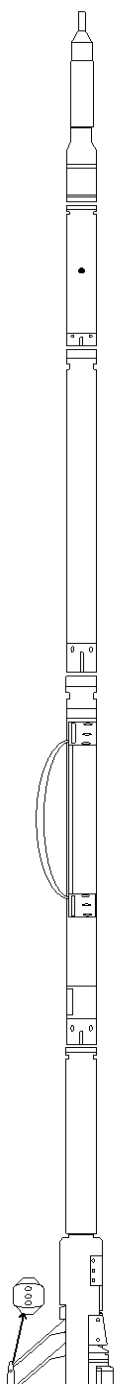
HALLIBURTON

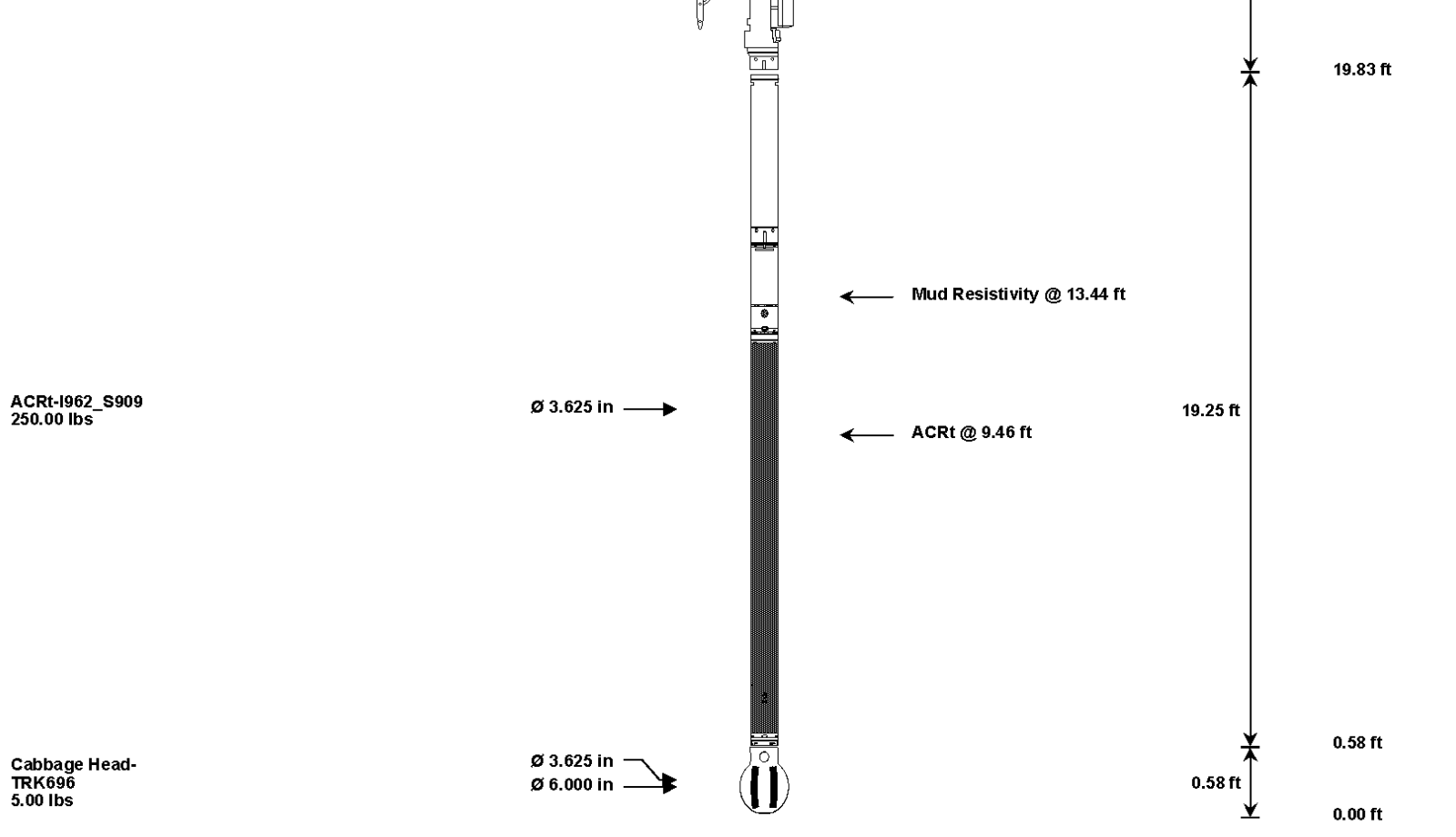
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Plot File: \\-LOCAL-\BERRYMAN_RU_6_4\0001 SP-GTET-DSN-SDL-ACRT-CH\ACRT\ACRT_5_repeat_lib

REPEAT SECTION

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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 @ 55.54 ft	3.03 ft	56.57 ft
XOHD-TRK696 20.00 lbs		Ø 2.750 in → Ø 3.625 in →			0.95 ft	53.54 ft
SP Sub-PROT01 60.00 lbs		Ø 3.625 in →		← SP @ 50.81 ft	3.74 ft	52.59 ft
						48.85 ft
GTET-11048627 165.00 lbs		Ø 3.625 in →		← GammaRay @ 42.79 ft	8.52 ft	
						40.33 ft
DSNT-11055304 174.00 lbs	DSN Decentralizer- 10755066 6.60 lbs	Ø 3.625 in* → Ø 3.625 in →		← DSN Far @ 33.39 ft ← DSN Near @ 32.64 ft	9.69 ft	
						30.64 ft
SDLT-104_P84 360.00 lbs		Ø 4.500 in → Ø 4.750 in →		SDL Microlog @ 22.83 ft SDL Caliper @ 22.65 ft SDL @ 22.64 ft	10.81 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	53.54	300.00
XOHD	Hostile to Dits Cross Over	TRK696	20.00	0.95	52.59	300.00
SP	SP Sub	PROT01	60.00	3.74	48.85	300.00
GTET	Gamma Telemetry Tool	11048627	165.00	8.52	40.33	60.00
DSNT	Dual Spaced Neutron	11055304	174.00	9.69	30.64	60.00
DCNT	DSN Decentralizer	10755066	6.60	5.13	* 33.97	300.00
SDLT	Spectral Density Tool	I04_P84	360.00	10.81	19.83	60.00
ACRt	Array Compensated True Resistivity	I962_S909	250.00	19.25	0.58	300.00
CBHD	Cabbage Head	TRK696	5.00	0.58	0.00	300.00
Total			1,078.10	56.57		
						* Not included in Total Length and Length Accumulation.
Data: BERRYMAN_RU_6_4\0001 SP-GTET-DSN-SDL-ACRT-CH\IDLE						Date: 16-Jul-11 08:51:42

HALLIBURTON

CALIBRATION REPORT

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION			
Tool Name:	ACRt - I962_S909	Reference Calibration Date:	03-May-11 14:28:43
Engineer:	C. MARLOWE	Calibration Date:	14-Jun-11 12:22:56
Software Version:	WL INSITE R3.2.5 (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	1.0092	1.05	0.95	1.0164	1.05	0.95	1.0153	1.05
A2 (50")	0.95	1.0324	1.05	0.95	1.0414	1.05	0.95	1.0436	1.05
A3 (29")	0.95	1.0045	1.05	0.95	1.0103	1.05	0.95	1.0089	1.05

A4 (17")	0.95	1.0048	1.05	0.95	1.0097	1.05	0.95	1.0101	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0198	1.05	0.95	1.0193	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9973	1.05	0.95	0.9969	1.05

TYPICAL SONDE OFFSET RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	-5	-0.654	2	-6	-3.605	-2	-8	-4.455	-2
A2 (50")	-7	-1.760	-1	-6	-3.423	-2	-7	-4.210	-2
A3 (29")	-27	-14.677	-9	-9	-4.421	-3	-7	-2.557	-1
A4 (17")	-180	-101.481	-60	-45	-31.116	-15	-39	-26.047	-13
A5 (10")	N/A	N/A	N/A	-150	-101.037	-50	-80	-45.913	-10
A6 (6")	N/A	N/A	N/A	175	286.578	525	90	150.035	270

TRANSMITTER CURRENT GAIN

R-MUD VERIFICATION

Signal	Lower	R	Upper	Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K	0.6	0.9283	1.3	Mud Cell	0.95	1.002	1.05
36K	1.0	1.3668	2.0				
72K	1.0	1.5818	2.0				

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
ACRt-I962_S909						
Mud Cell	1.002	-----	-----	0.000	-----	ohm-m

Data: BERRYMAN_RU_6_4\0001 SP-GTET-DSN-SDL-ACRT-CH\001 16-Jul-11 08:54 Dn @1451.8f

Date: 16-Jul-11 08:55:24

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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	2500.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
	SHARED	RMUD	Mud Resistivity	1.170	ohmm
	SHARED	TRM	Temperature of Mud	89.0	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	5157.00	ft
	SHARED	BHT	Bottom Hole Temperature	125.0	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	

CHIRKED	DNOM	Logistic 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	0.250	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	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	
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

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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	50.81	NO	
SP	Spontaneous Potential	50.81	BLK	1.250
SPR	Raw Spontaneous Potential	50.81	NO	
SPO	Spontaneous Potential Offset	50.81	NO	
GTET				
TPUL	Tension Pull	42.79	NO	
GR	Natural Gamma Ray API	42.79	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	42.79	NO	
TCR	Natural Gamma Ray API with Tool Position	42.79	NO	1.750

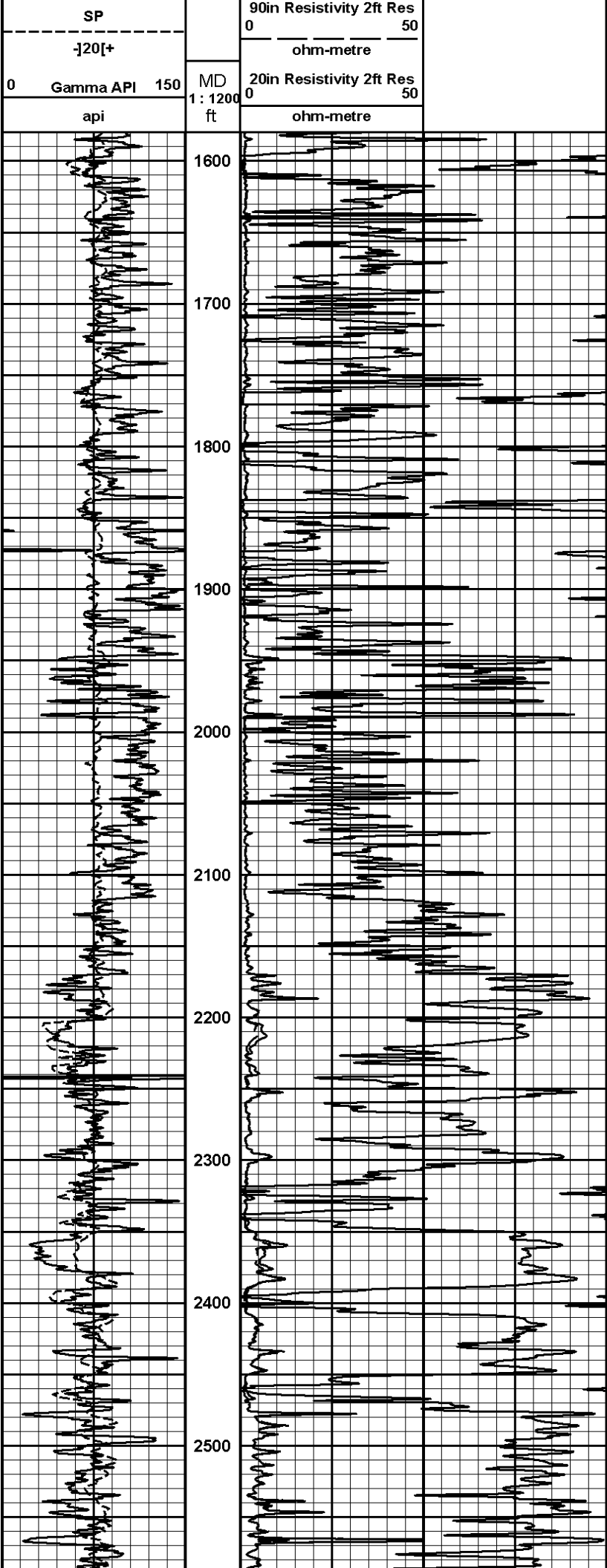
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	42.79	W	1.416 , 0.750
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
DSNT				
TPUL	Tension Pull	32.54	NO	
RNDS	Near Detector Telemetry Counts	32.64	BLK	1.417
RFDS	Far Detector Telemetry Counts	33.39	TRI	0.583
DNTT	DSN Tool Temperature	32.64	NO	
DSNS	DSN Tool Status	32.54	NO	
ERND	Near Detector Telemetry Counts EVR	32.64	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	33.39	BLK	0.000
ENTM	DSN Tool Temperature EVR	32.64	NO	
SDLT				
TPUL	Tension Pull	22.64	NO	
NAB	Near Above	22.46	BLK	0.920
NHI	Near Cesium High	22.46	BLK	0.920
NLO	Near Cesium Low	22.46	BLK	0.920
NVA	Near Valley	22.46	BLK	0.920
NBA	Near Barite	22.46	BLK	0.920
NDE	Near Density	22.46	BLK	0.920
NPK	Near Peak	22.46	BLK	0.920
NLI	Near Lithology	22.46	BLK	0.920
NBAU	Near Barite Unfiltered	22.46	BLK	0.250
NLIU	Near Lithology Unfiltered	22.46	BLK	0.250
FAB	Far Above	22.81	BLK	0.250
FHI	Far Cesium High	22.81	BLK	0.250
FLO	Far Cesium Low	22.81	BLK	0.250
FVA	Far Valley	22.81	BLK	0.250
FBA	Far Barite	22.81	BLK	0.250
FDE	Far Density	22.81	BLK	0.250
FPK	Far Peak	22.81	BLK	0.250
FLI	Far Lithology	22.81	BLK	0.250
PTMP	Pad Temperature	22.65	BLK	0.920
NHV	Near Detector High Voltage	19.83	NO	
FHV	Far Detector High Voltage	19.83	NO	
ITMP	Instrument Temperature	19.83	NO	
DDHV	Detector High Voltage	19.83	NO	
TPUL	Tension Pull	22.65	NO	
PCAL	Pad Caliper	22.65	TRI	0.250
ACAL	Arm Caliper	22.65	TRI	0.250
TPUL	Tension Pull	22.83	NO	
MINV	Microlog Lateral	22.83	BLK	0.750
MNOR	Microlog Normal	22.83	BLK	0.750
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

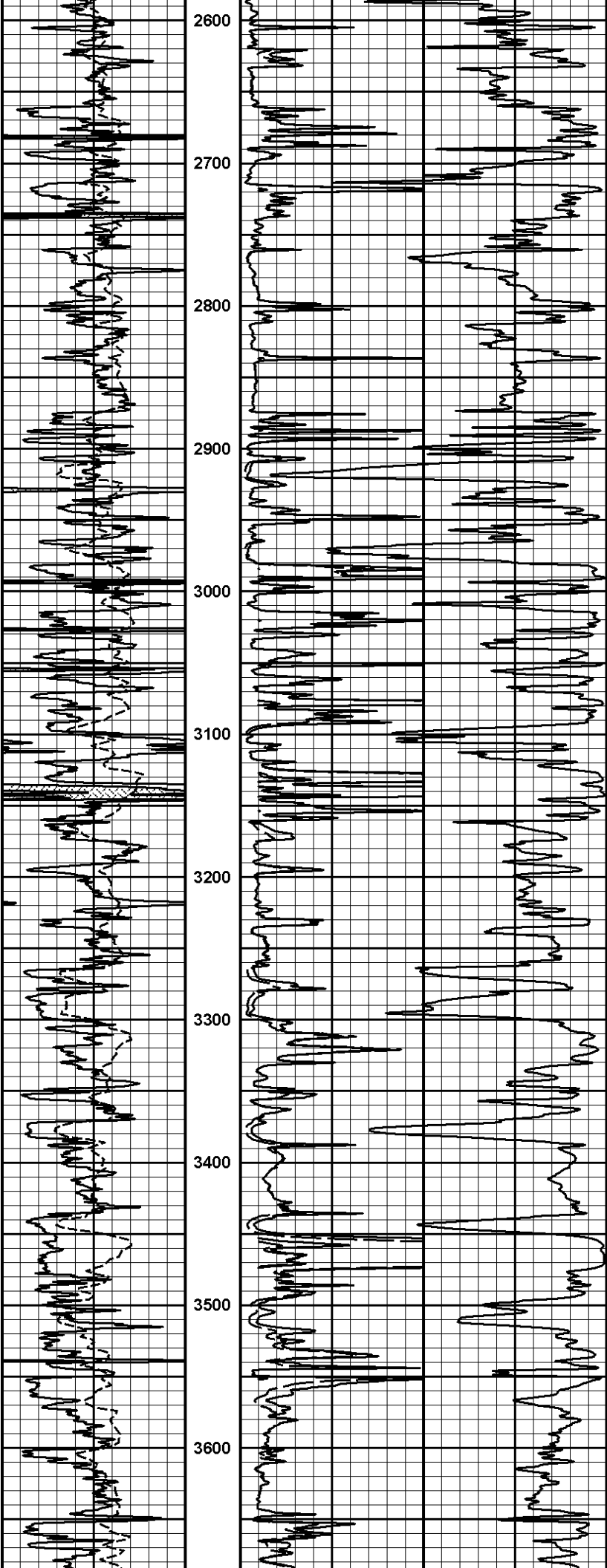
F1R5	ACRT 12KHz - 10in R value	3.72	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.72	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.47	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.47	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	9.22	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	9.22	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	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	

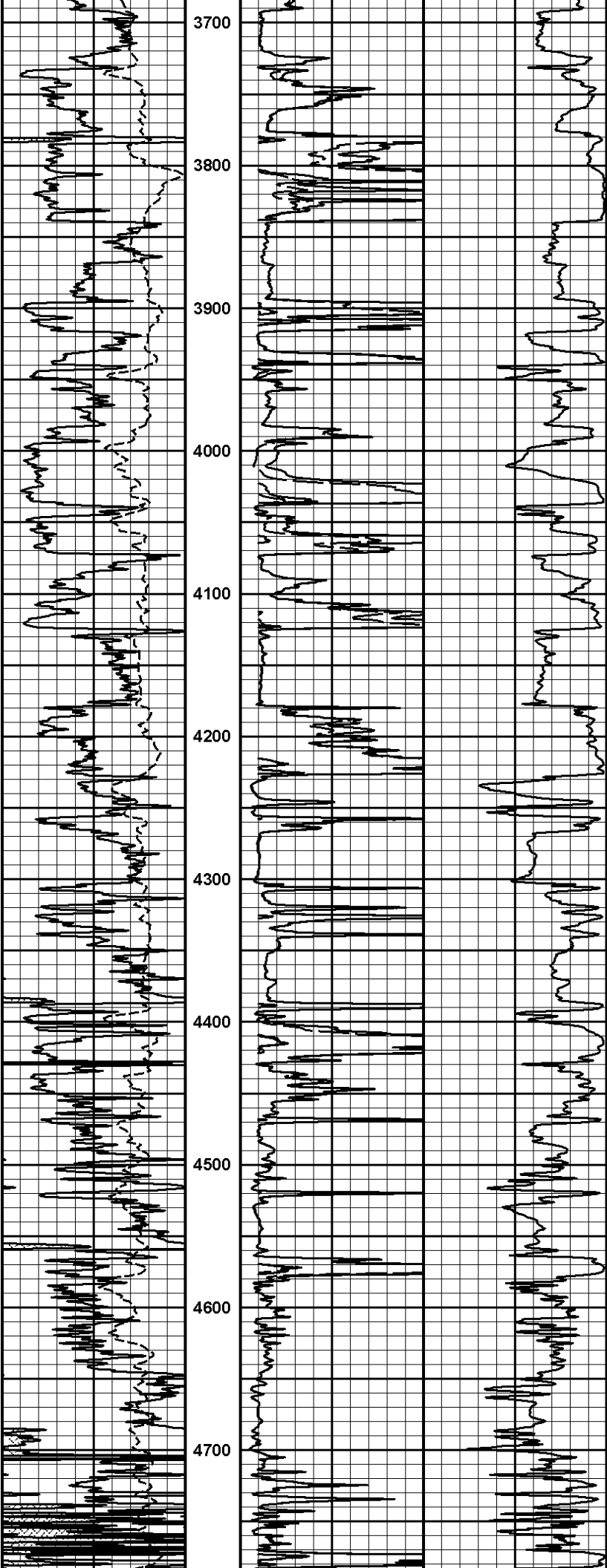
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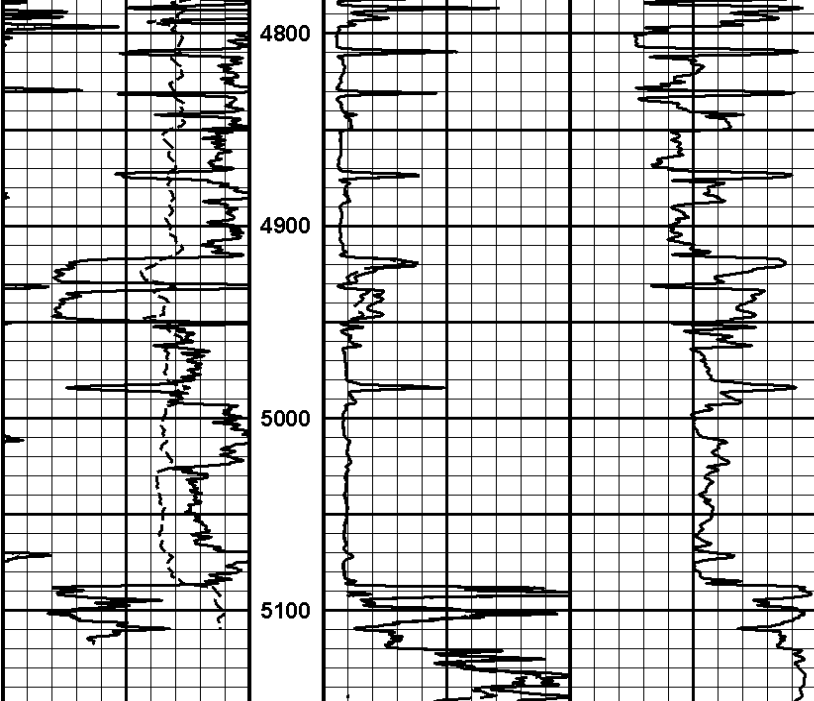
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HALLIBURTON			
Plot Time: 16-Jul-11 11:09:47			
Plot Range: 1580 ft to 5147.75 ft			
Data: BERRYMAN_RU_6_4\Well Based\CASING\			
Plot File: \\LOCAL-BERRYMAN_RU_6_4\0001 SP-GTET-DSN-SDL-ACRT-CH\ACRT\ACRT_1.lib			
1 INCH MAIN LOG			
		1000	90in Conductivity 2ft Res 0
		mmho per metre	









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

HALLIBURTON

Plot Time: 16-Jul-11 11:09:50

Plot Range: 1580 ft to 5147.75 ft

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1 INCH MAIN LOG