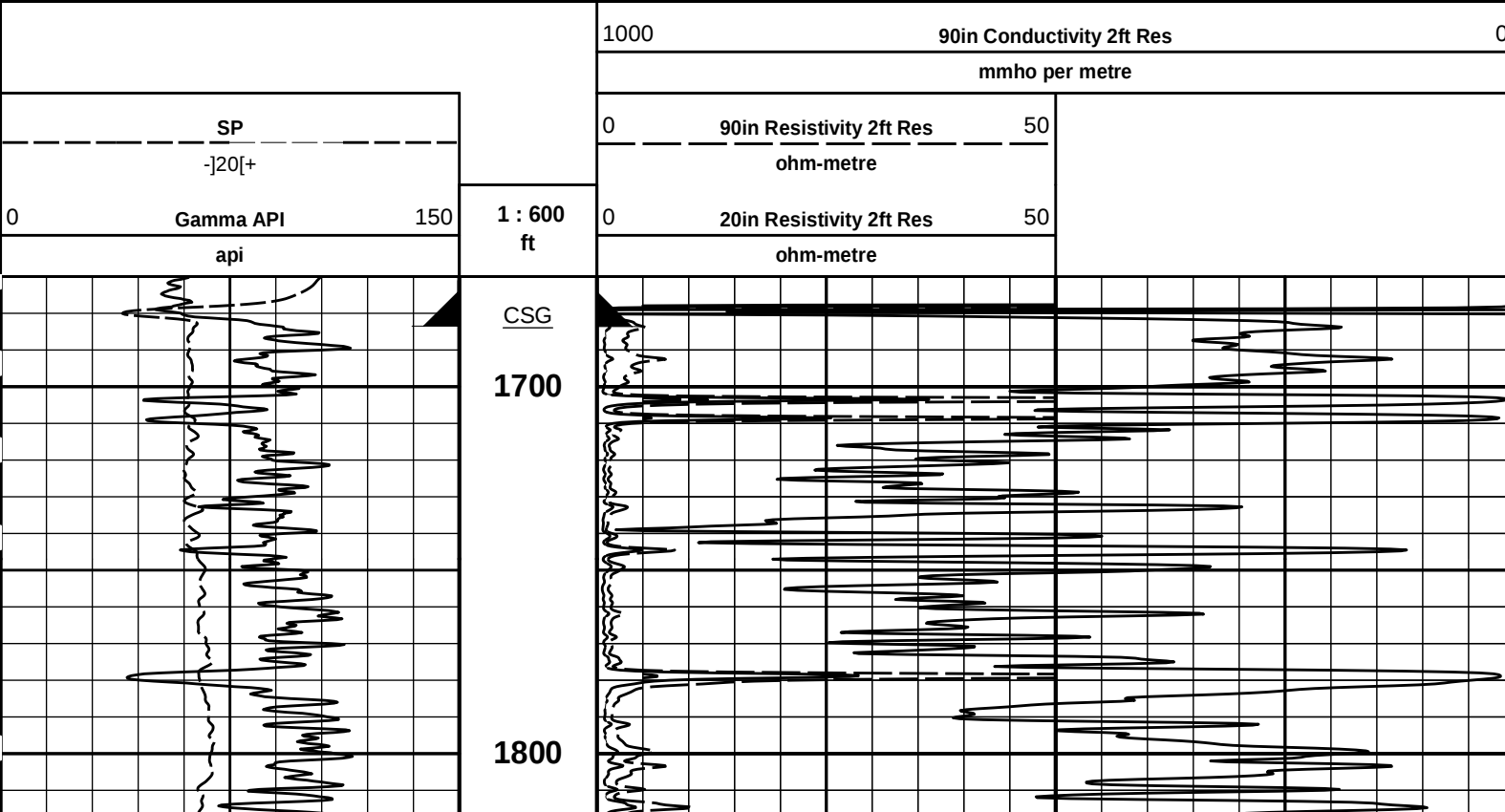


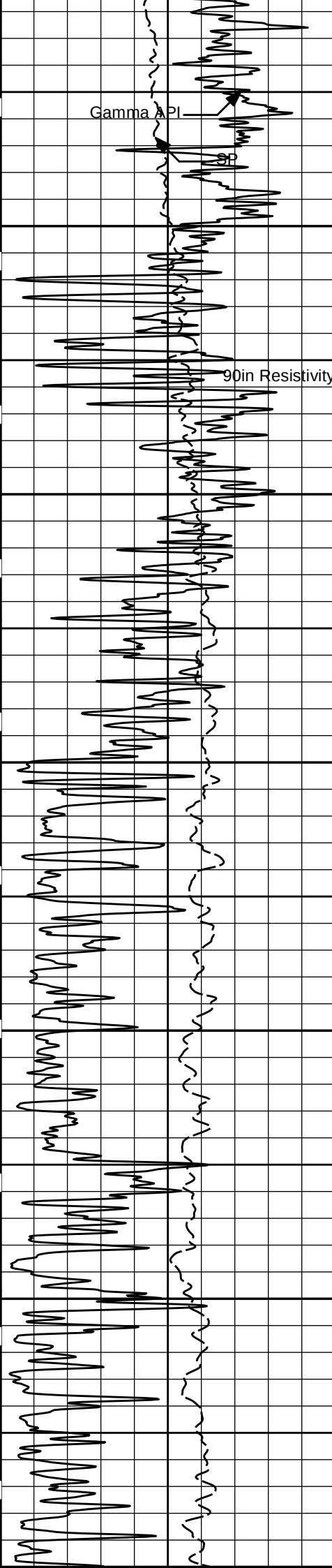
ARRAY COMPENSATED
TRUE RESISTIVITY
LOG

RAYDON EXPLORATION INC.				RAYDON EXPLORATION INC.					
ROCK 1-23				ROCK 1-23					
KISMET				KISMET					
SEWARD				SEWARD					
KANSAS				KANSAS					
COMPANY	WELL	FIELD/BLOCK	COUNTY	STATE	COMPANY	WELL	FIELD/BLOCK	COUNTY	STATE
Permanent Datum	GL	Sect. 23	Twp. 33S	Rge. 31W	API No.	15-175-22250-00-00	Location	(SHL) 984' FSL & 649' FWL SE NW SW SW	Other Services: DSNT/SDLT MICROLOG BSAT XRM/I ACRT
Log measured from	KB								
Drilling measured from	KB								
Date	16-Nov-16								
Run No.	ONE								
Depth - Driller	6140.0 ft								
Depth - Logger	6140.0 ft								
Bottom - Logged Interval	6131.00 ft								
Top - Logged Interval	1684.00 ft								
Casing - Driller	8.625 in @ 1684.0 ft								
Casing - Logger	1684.0 ft								
Bit Size	7.875 in								
Type Fluid in Hole	Water Based Mud								
Density	8.9 ppg	58.00	s/qt						
PH	9.00	pH	5.4	cp/m					
Source of Sample	FLOWLINE								
Rm @ Meas. Temperature	1.10 ohmm @ 75.00 degF								
Rmf @ Meas. Temperature	1.00 ohmm @ 75.00 degF								
Rmc @ Meas. Temperature	1.26 ohmm @ 75.00 degF								
Source Rmf	MEAS								
Rm @ BHT	0.63 ohmm @ 135.0 degF								
Time Since Circulation	6.0 hr hr								
Time on Bottom	16-Nov-16 19:30								
Max. Rec. Temperature	135.00 degF @ 6140.0 ft								
Equipment	11072142	EL RENO							
Recorded By	MICHAEL RICHTER								
Witnessed By	EDWIN GRIEVES								

Fold here

[illegible]





1900

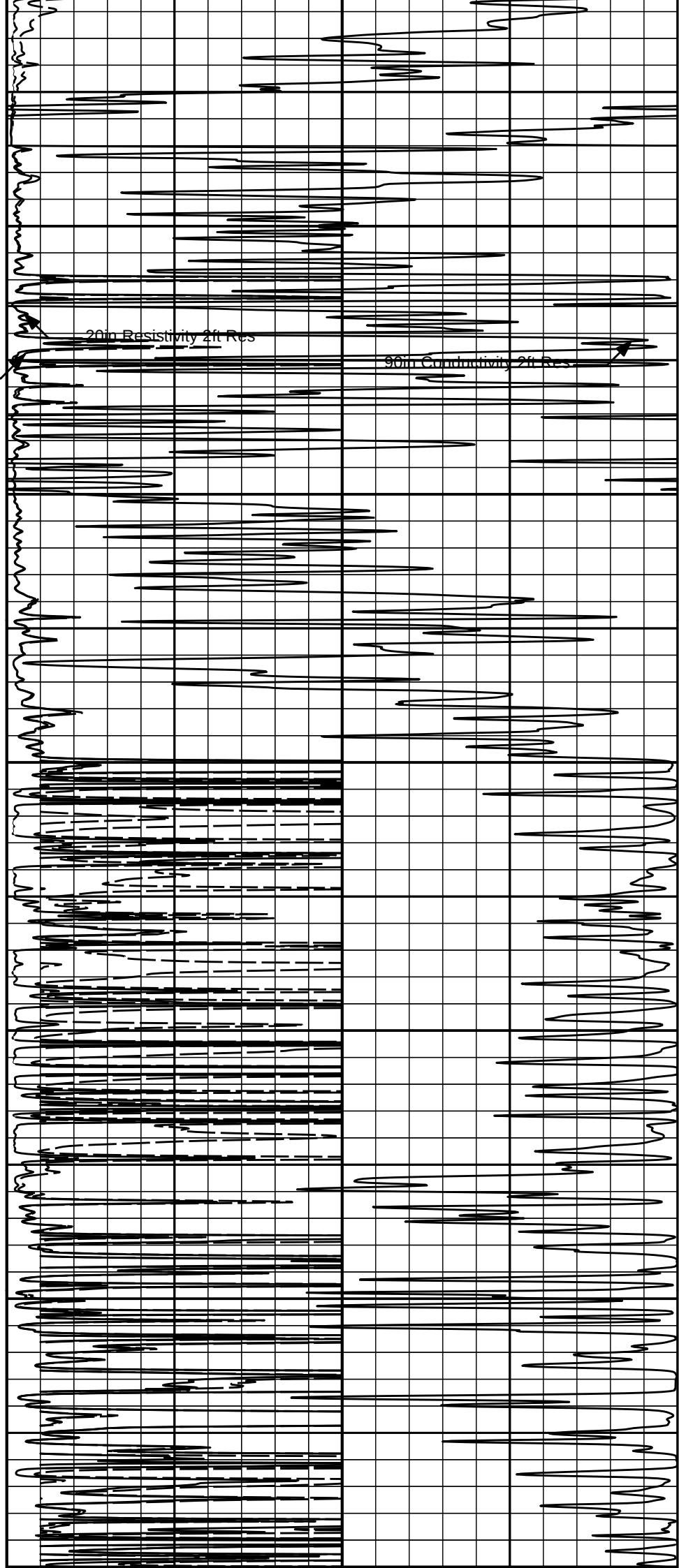
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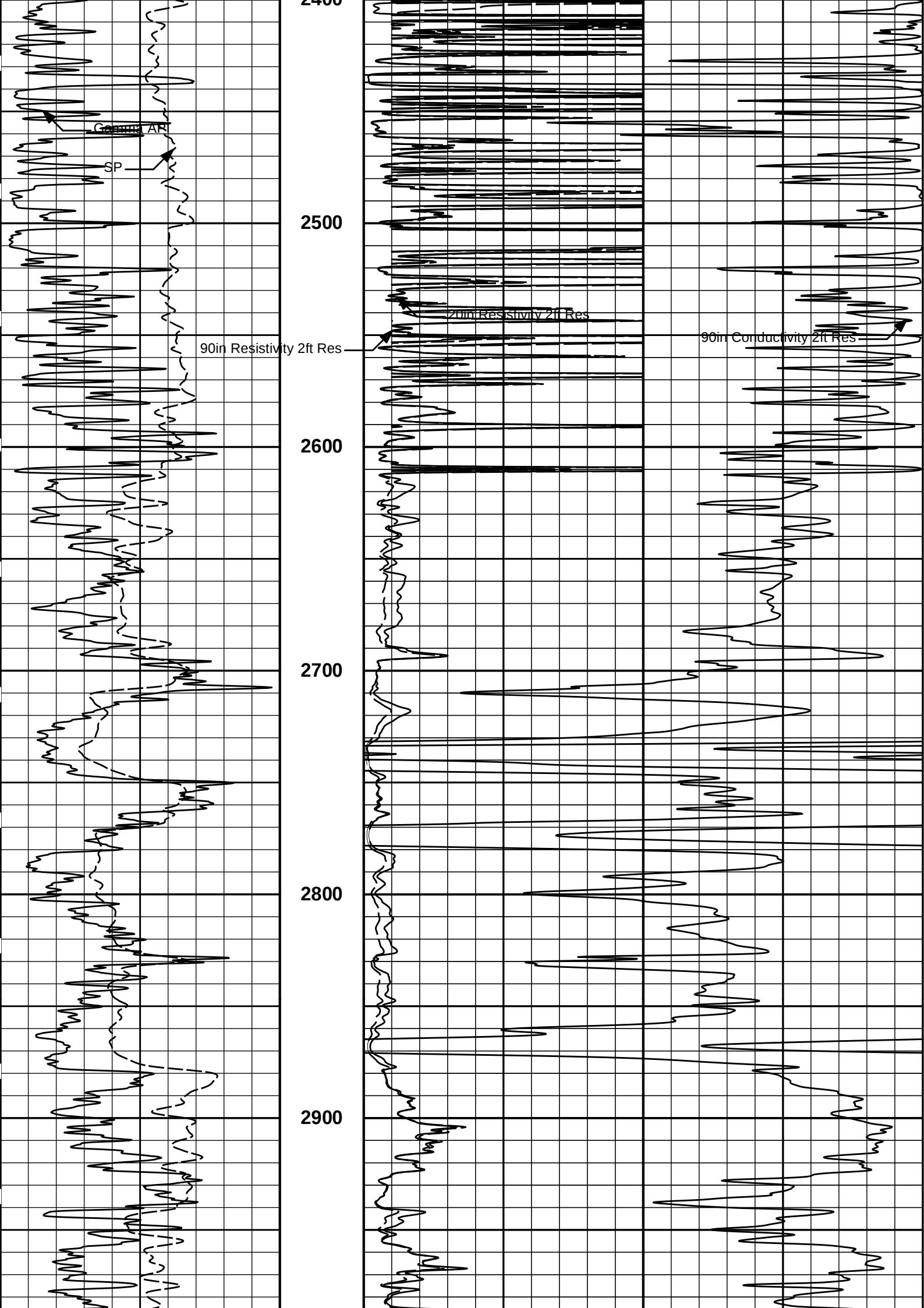
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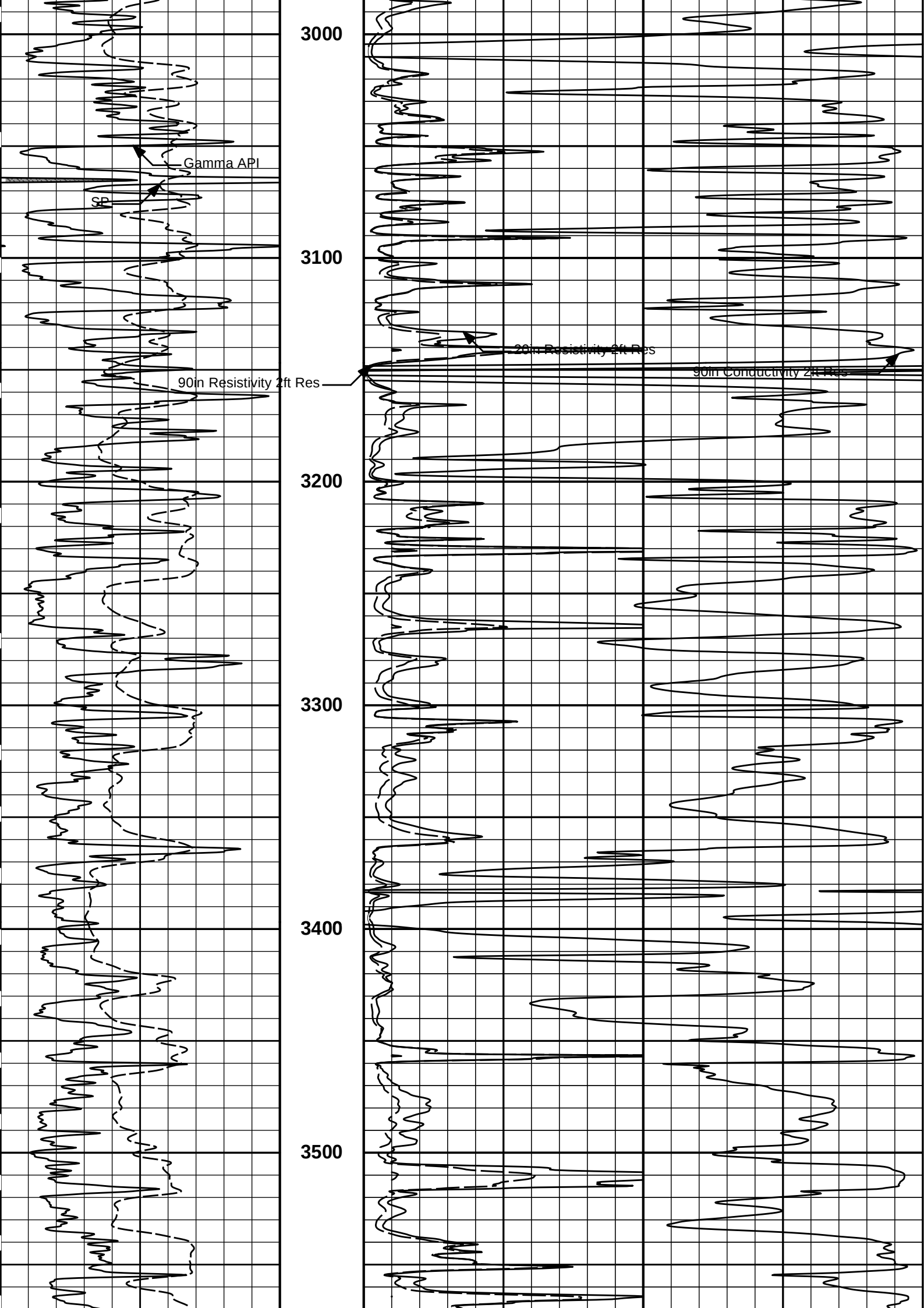
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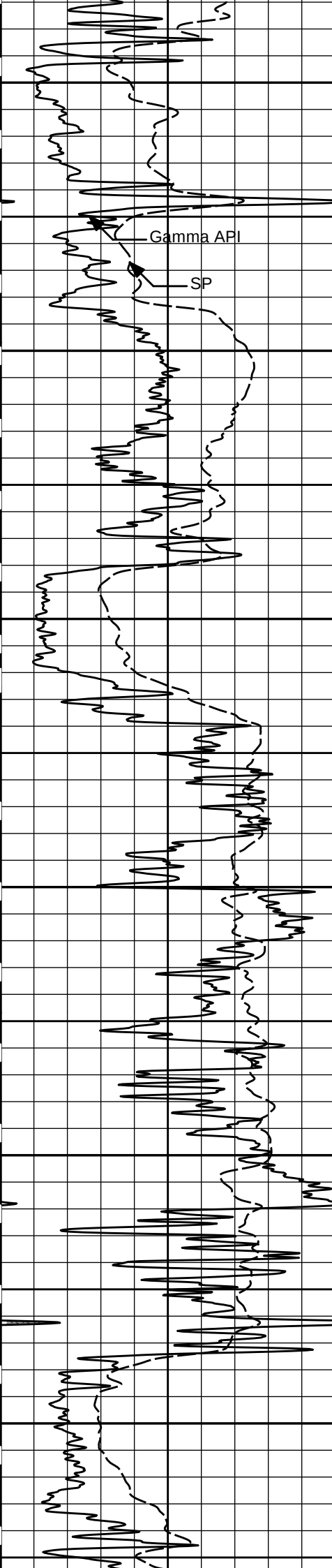
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2400









3600

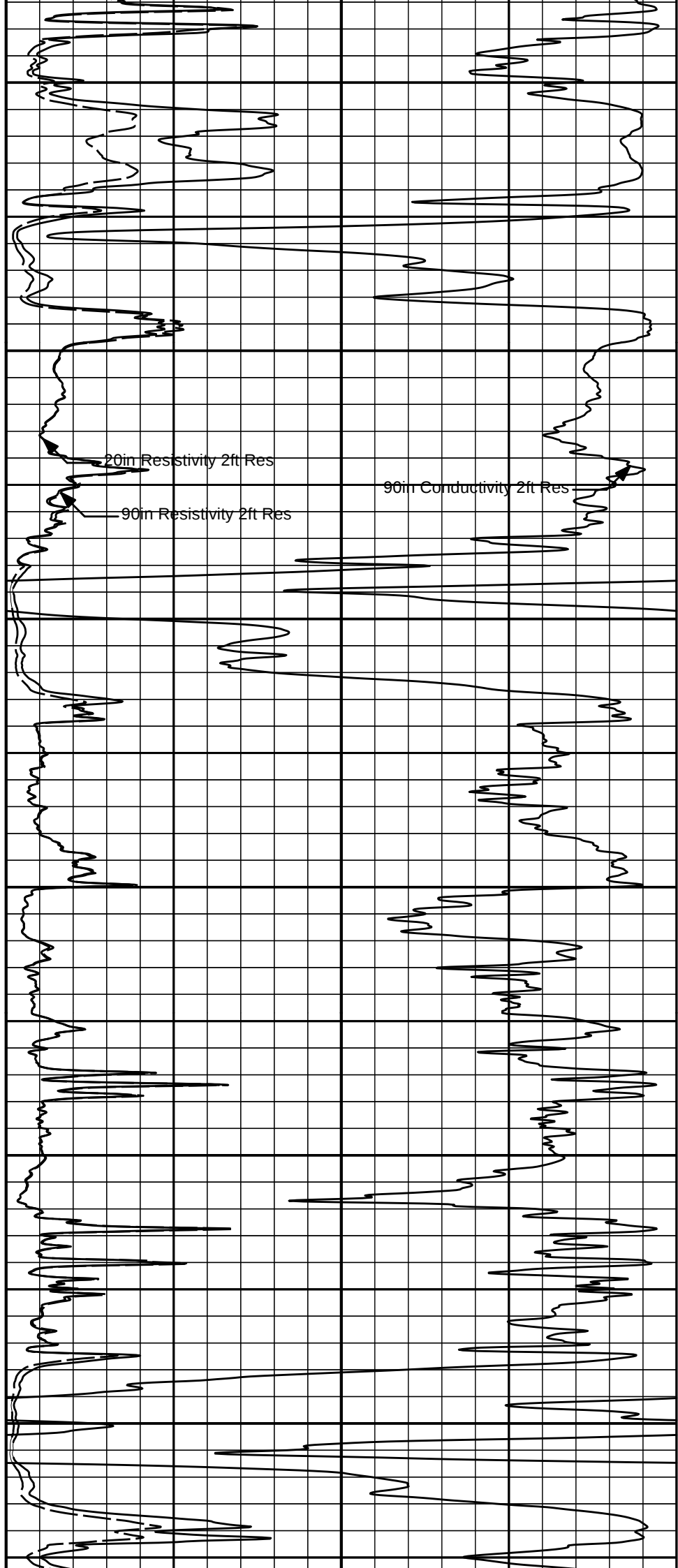
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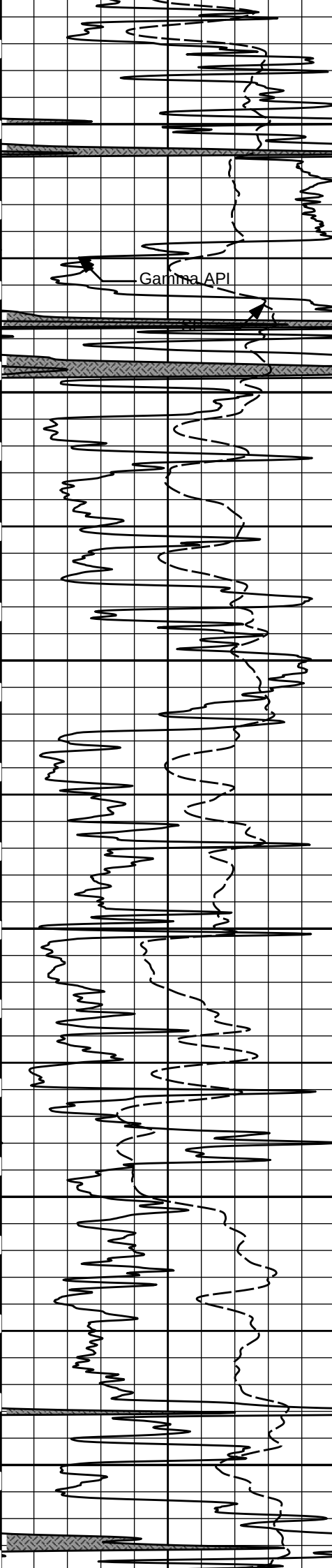
3800

3900

4000

4100





4200

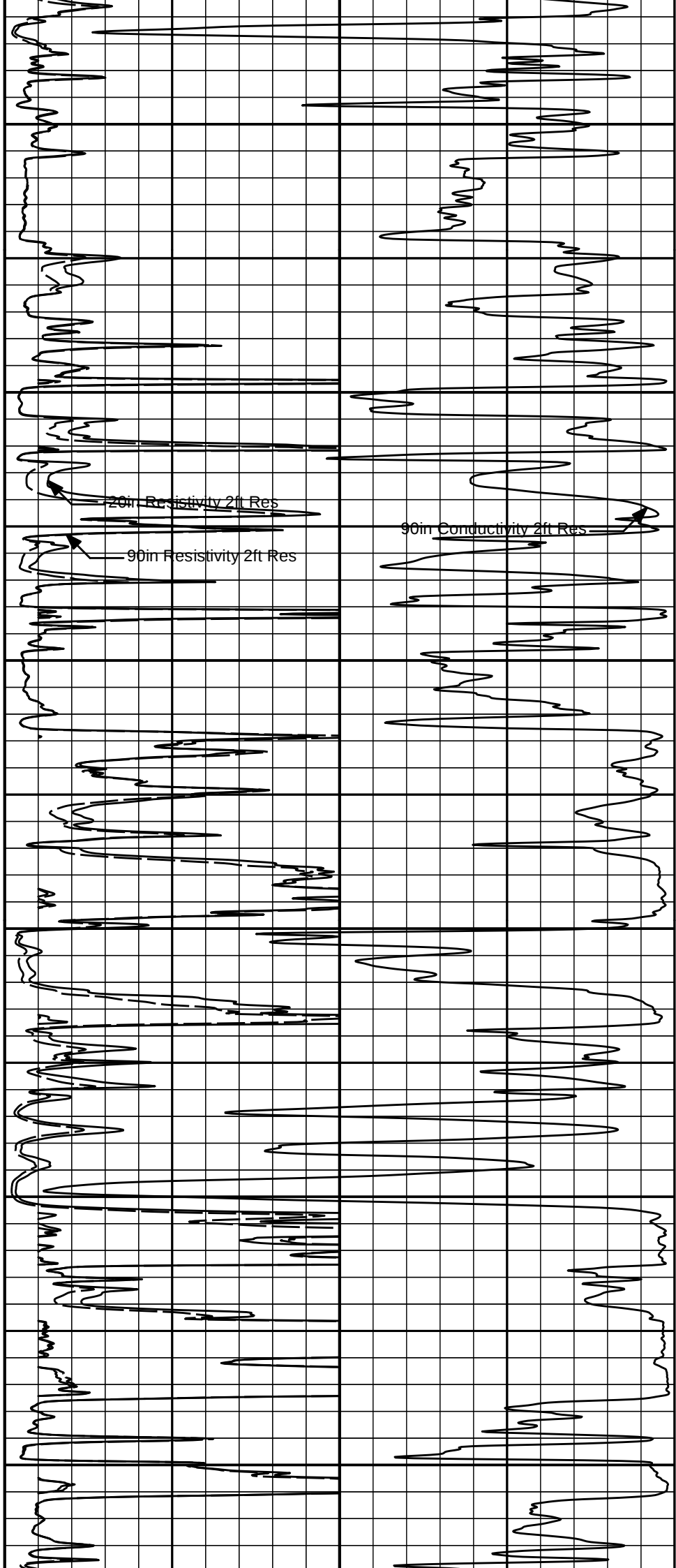
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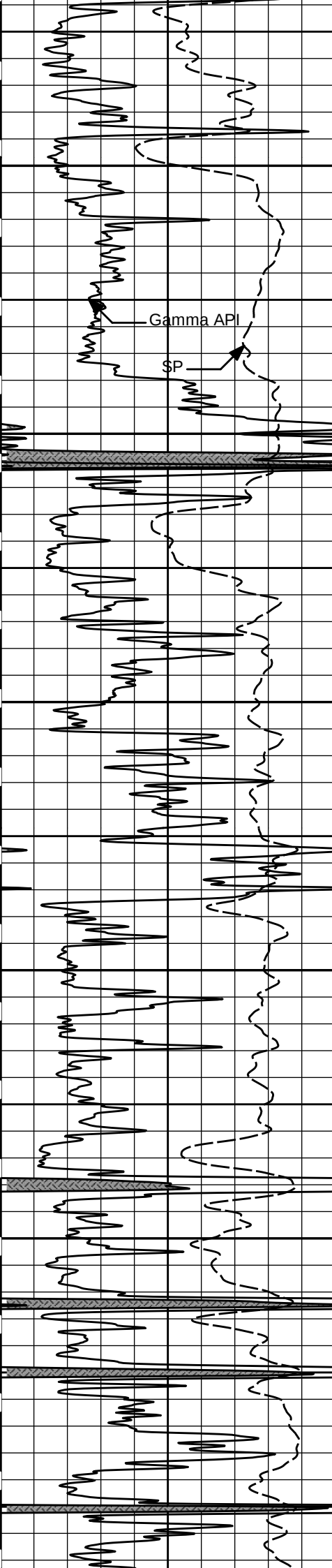
4400

4500

4600

4700





4800

4900

5000

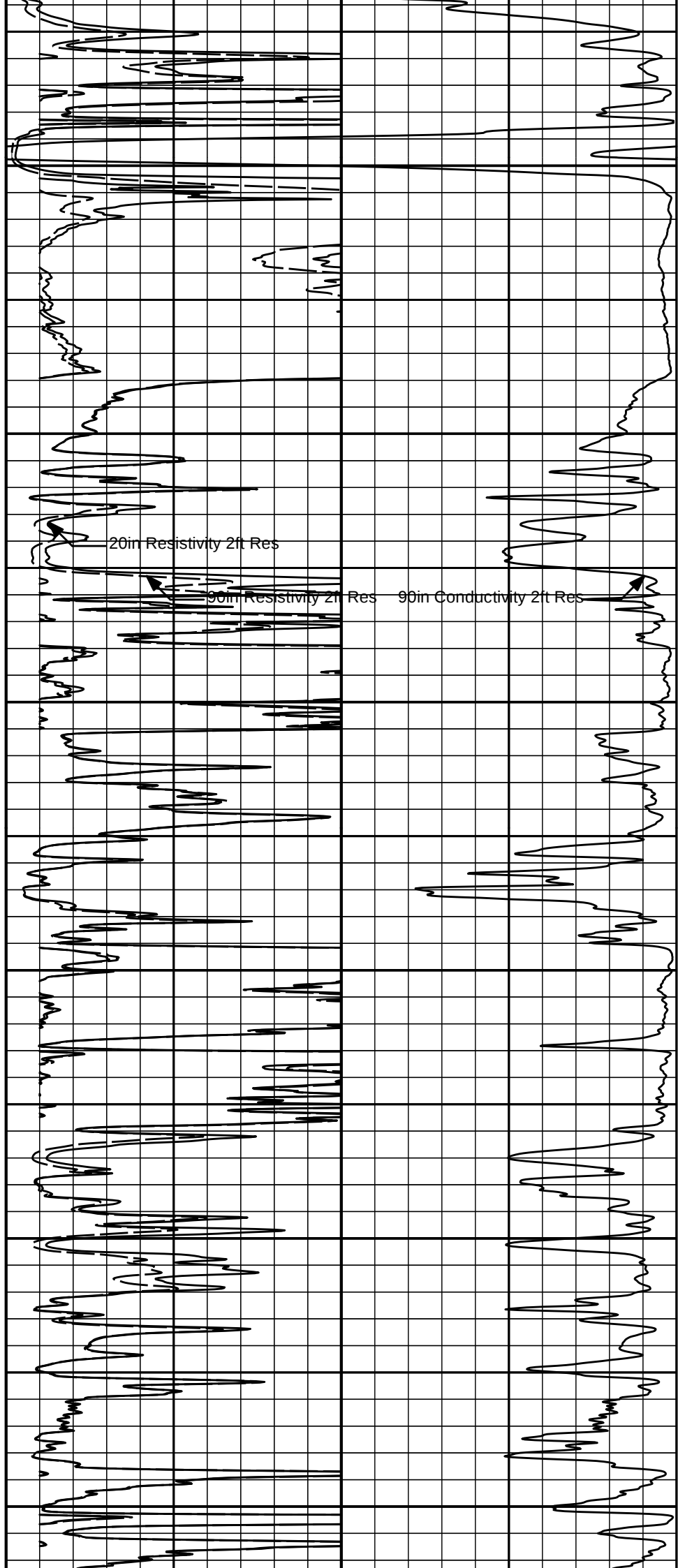
5100

5200

5300

Gamma API

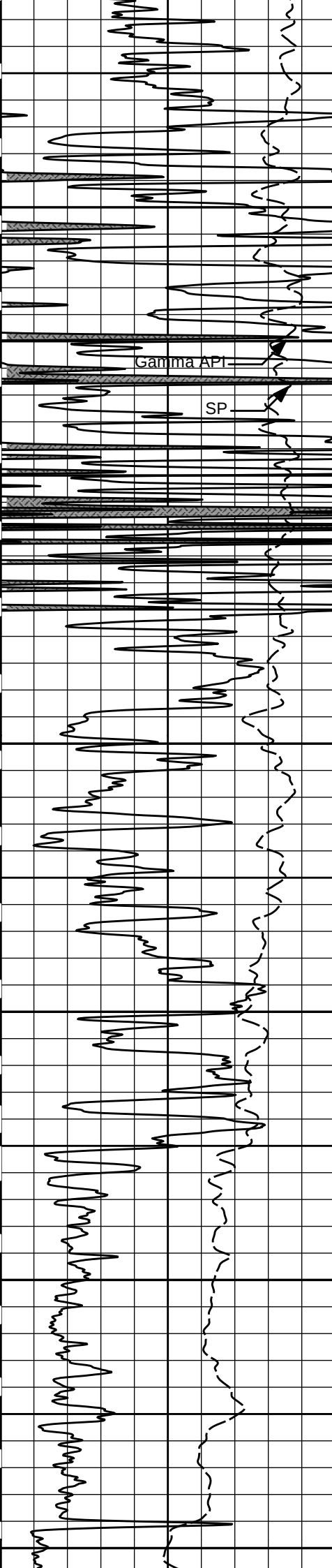
SP



20in Resistivity 2ft Res

90in Resistivity 2ft Res

90in Conductivity 2ft Res



5400

Gamma API

SP

5500

20in Resistivity 2ft Res

90in Resistivity 2ft Res

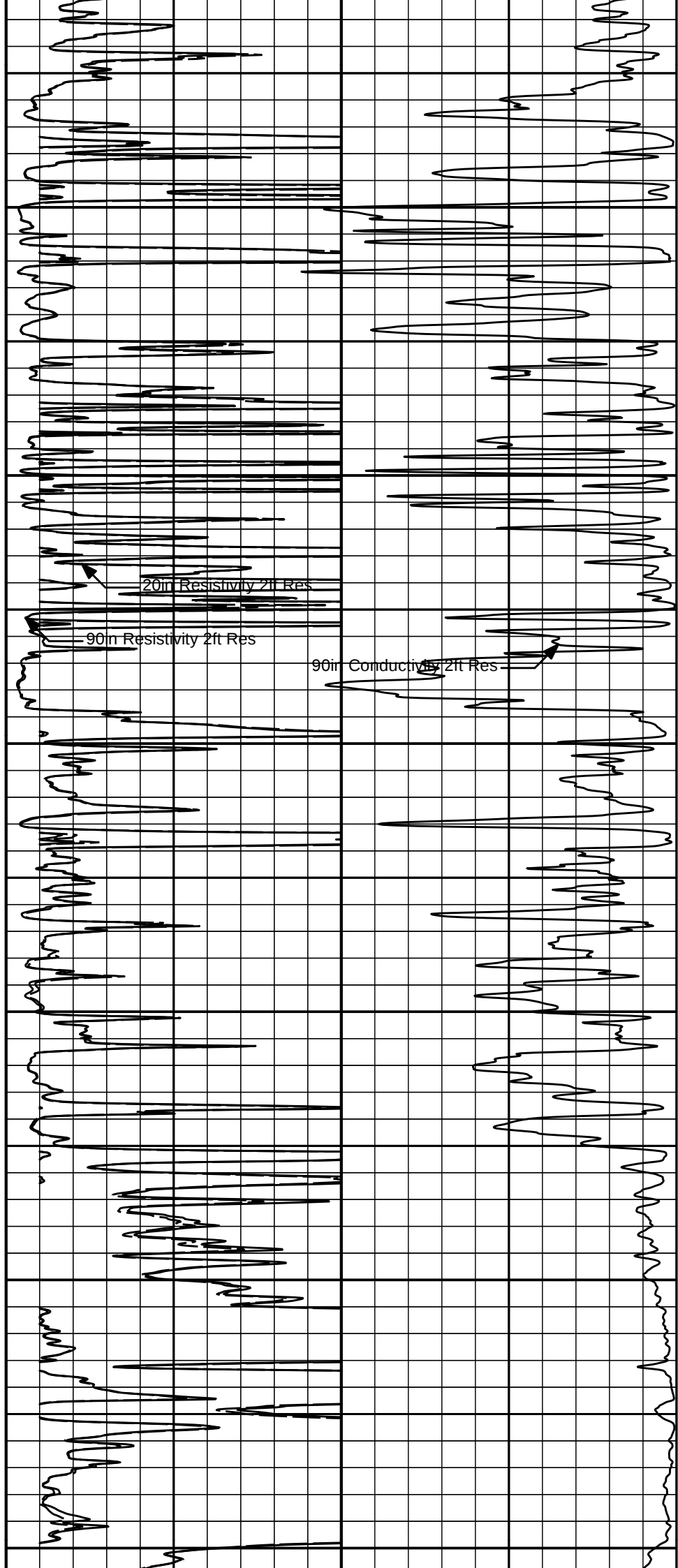
90in Conductivity 2ft Res

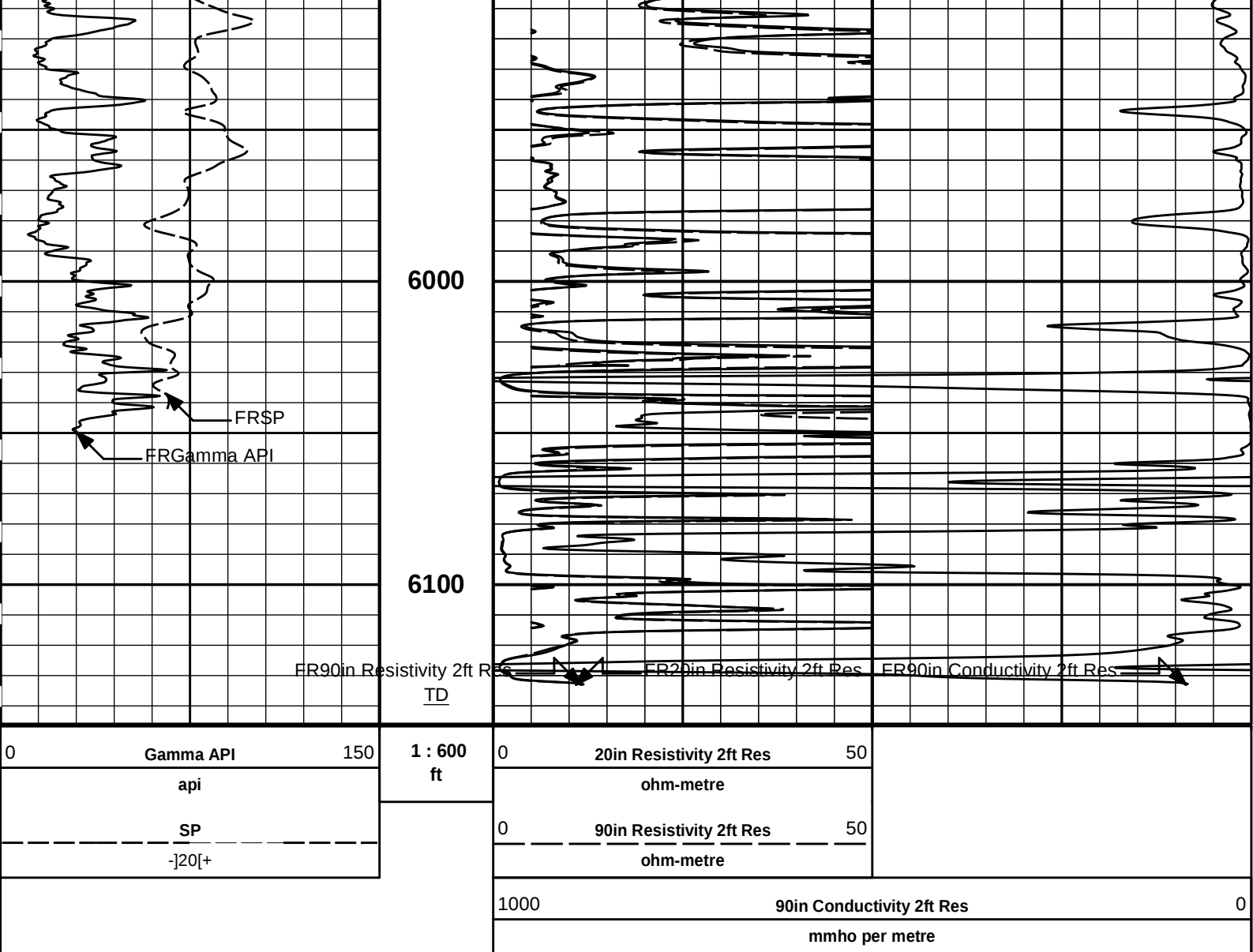
5600

5700

5800

5900





HALLIBURTON

Plot Time: 17-Nov-16 13:09:36
Plot Range: 1670 ft to 6145.92 ft
Data: ROCK_1-23\Well Based\DAQ-0001-004\
Plot File: \\LOCAL-ROCK_1-23\Well Based\ACRT\ACRT_2_main

2 INCH MAIN LOG

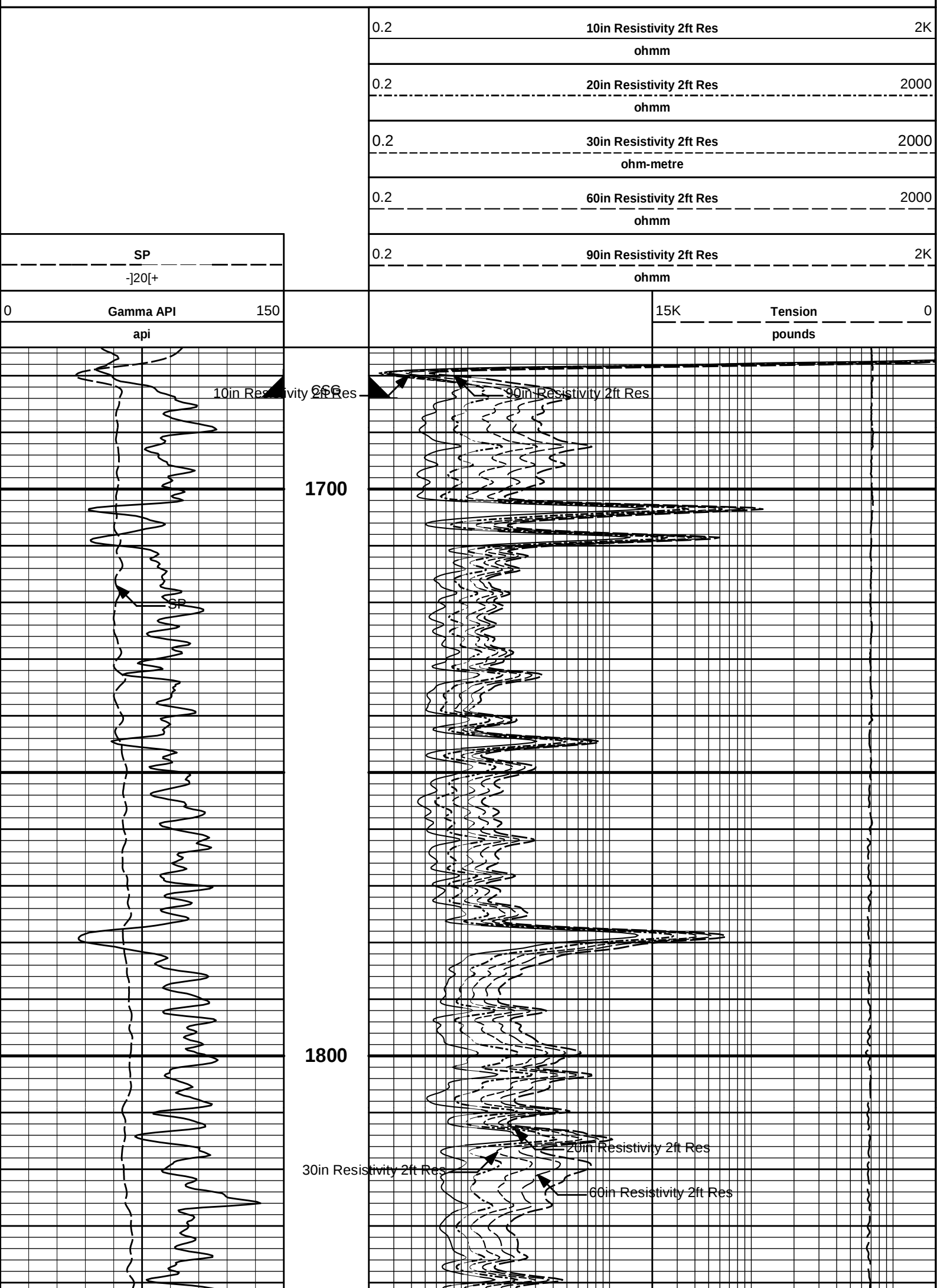
2 INCH MAIN LOG

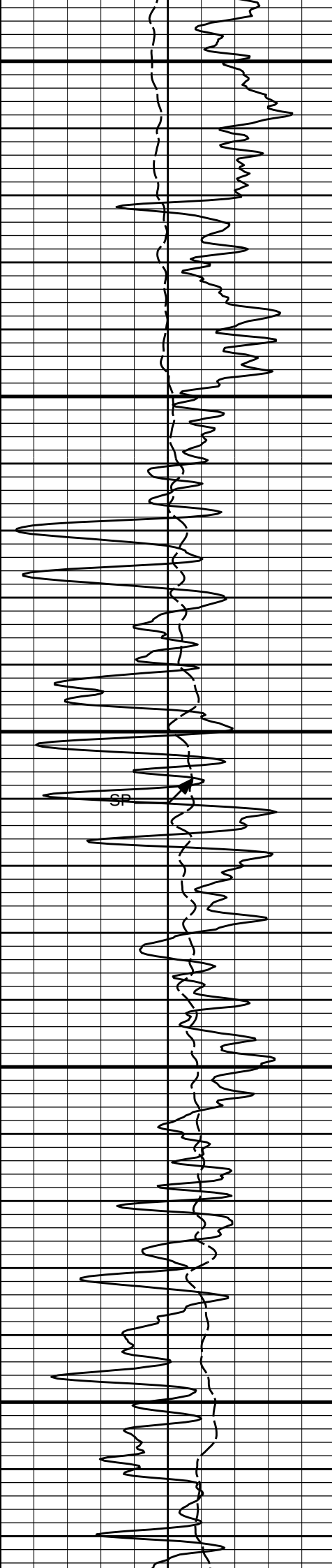
HALLIBURTON

Plot Time: 17-Nov-16 13:09:37
Plot Range: 1675 ft to 6145.92 ft
Data: ROCK_1-23\Well Based\DAQ-0001-004\
Plot File: \\LOCAL-ROCK_1-23\Well Based\ACRT\ACRT_5inch_main

5 INCH MAIN LOG

5 INCH MAIN LOG



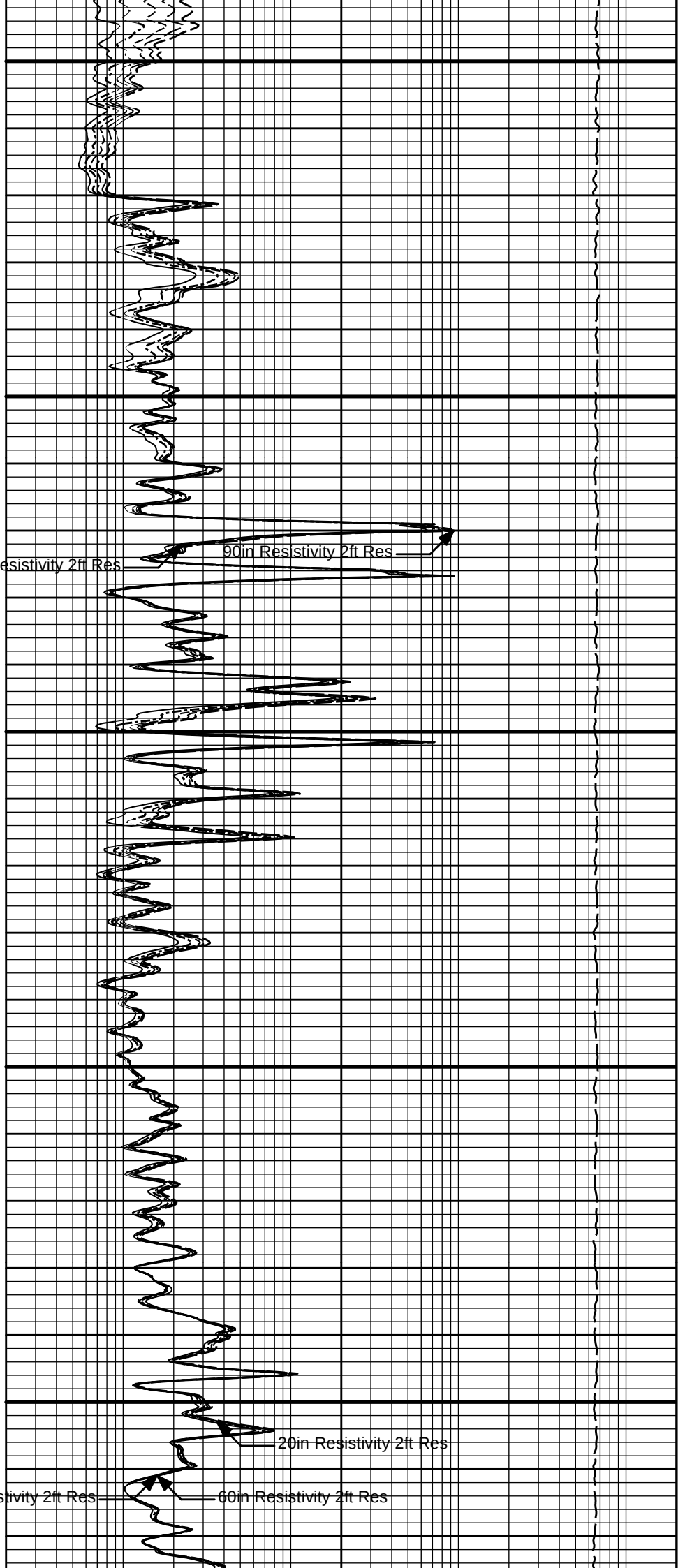


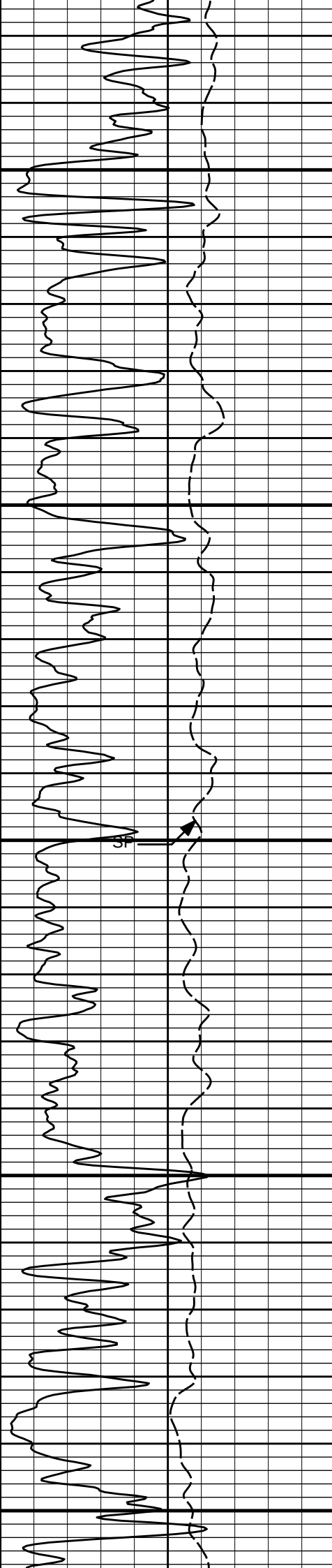
1900

10in Resistivity 2ft Res

2000

30in Resistivity 2ft Res

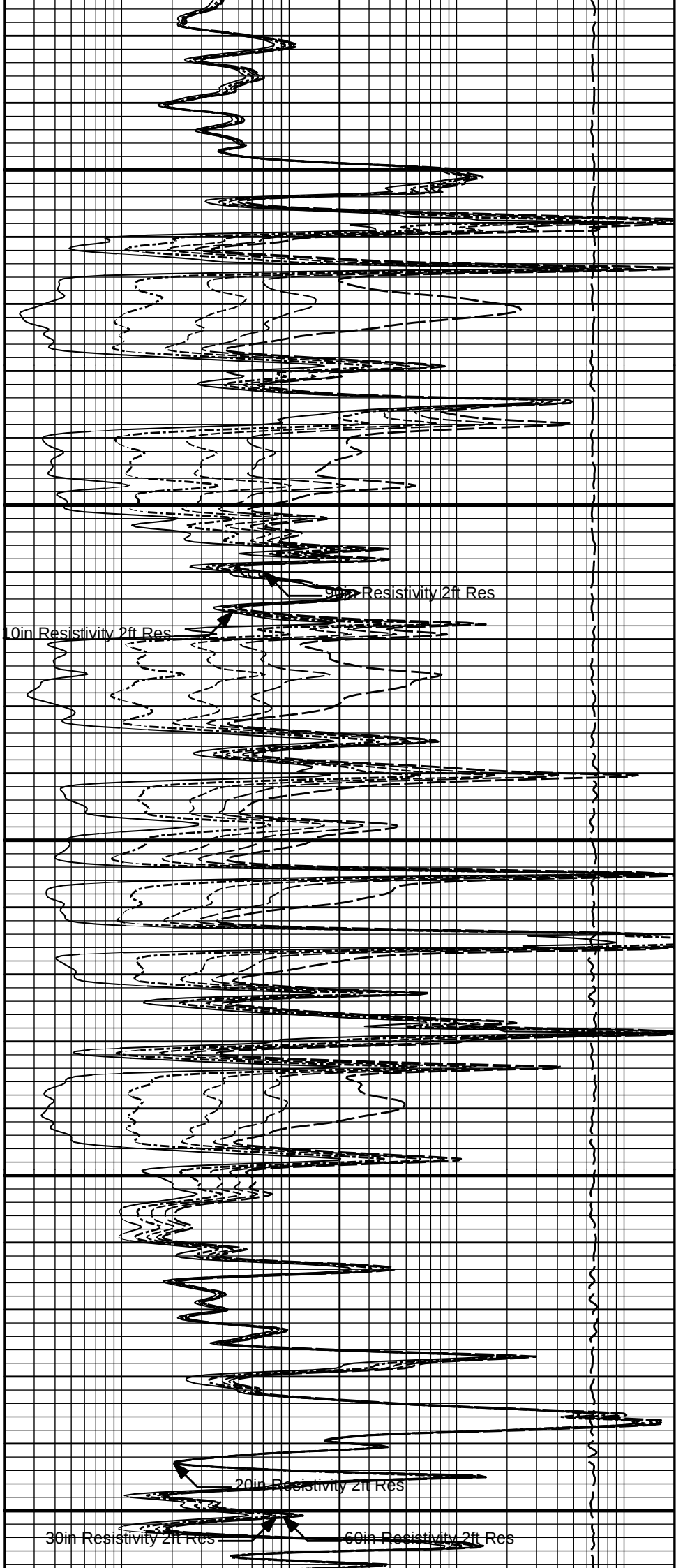




2100

2200

2300

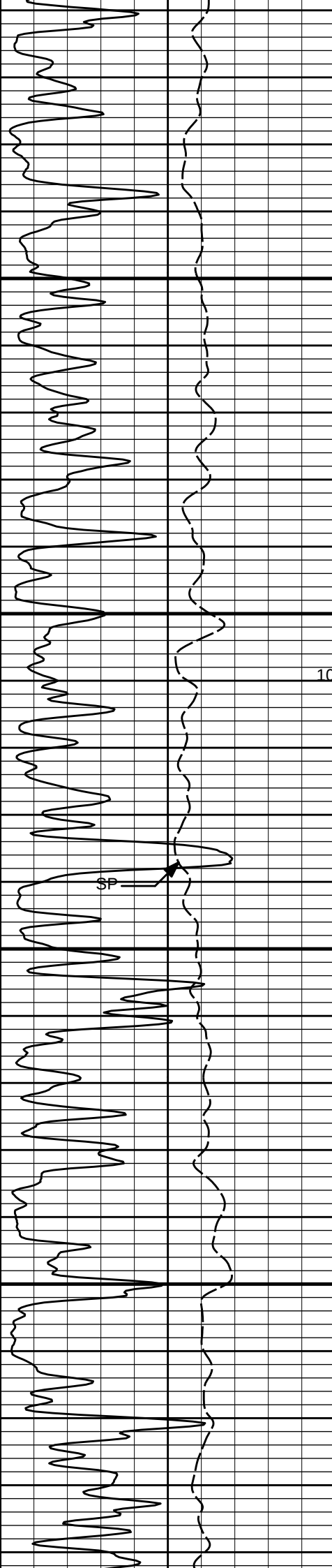


10in Resistivity 2ft Res

20in Resistivity 2ft Res

30in Resistivity 2ft Res

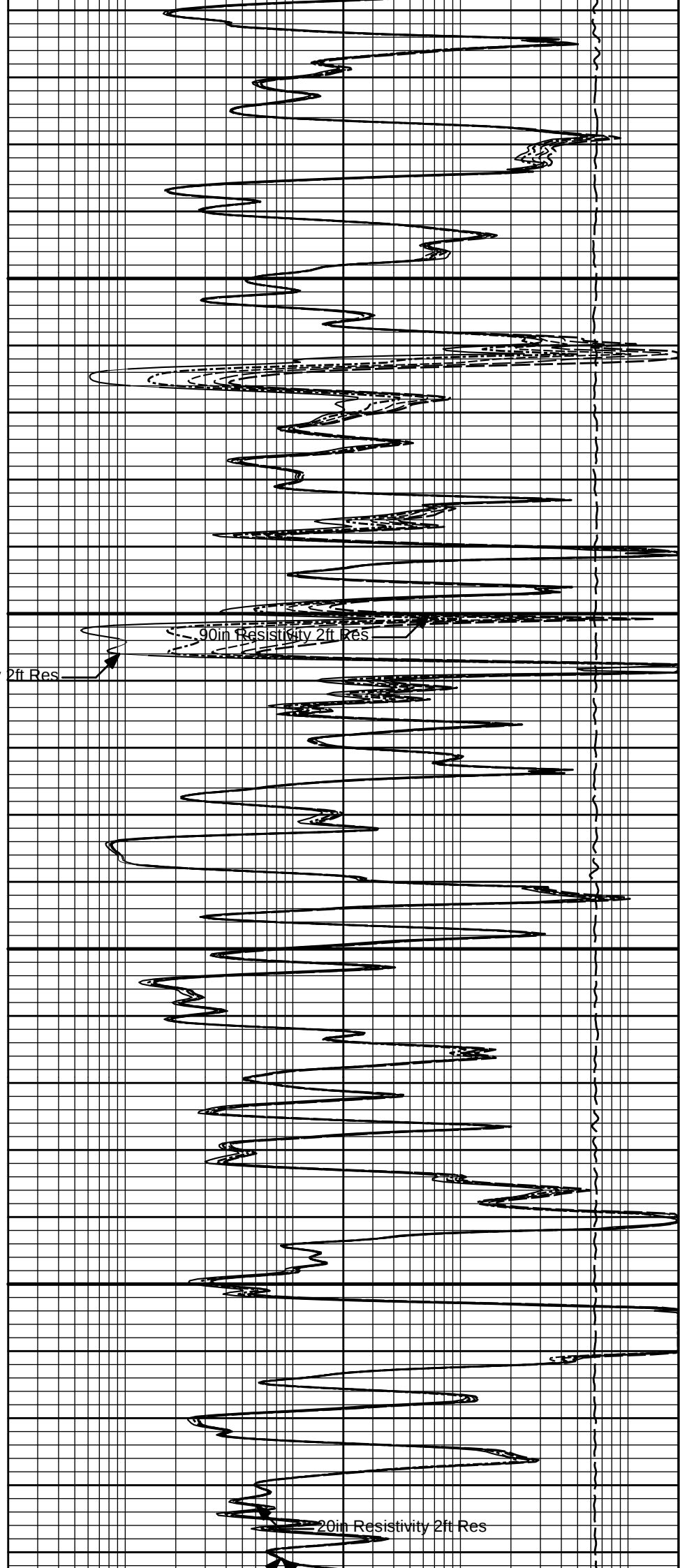
60in Resistivity 2ft Res

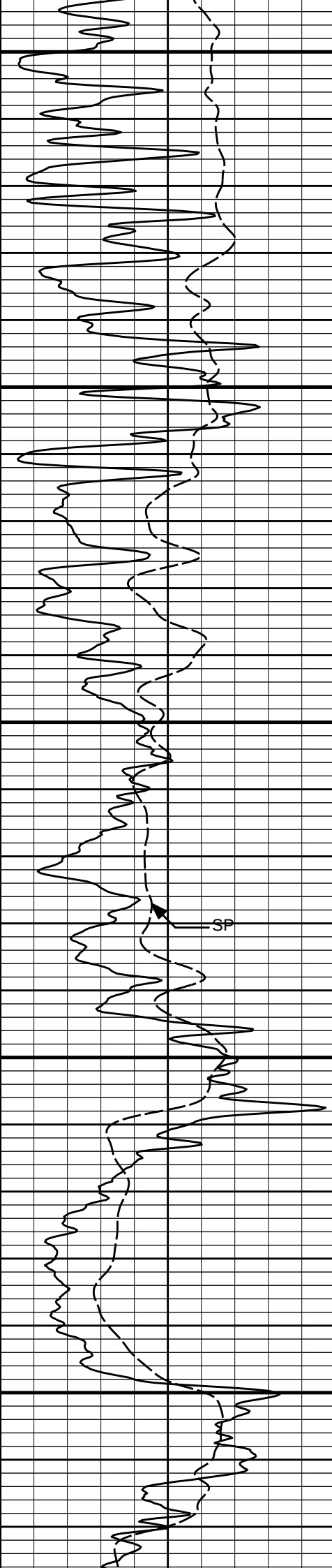


10in Resistivity 2ft Res

2400

2500

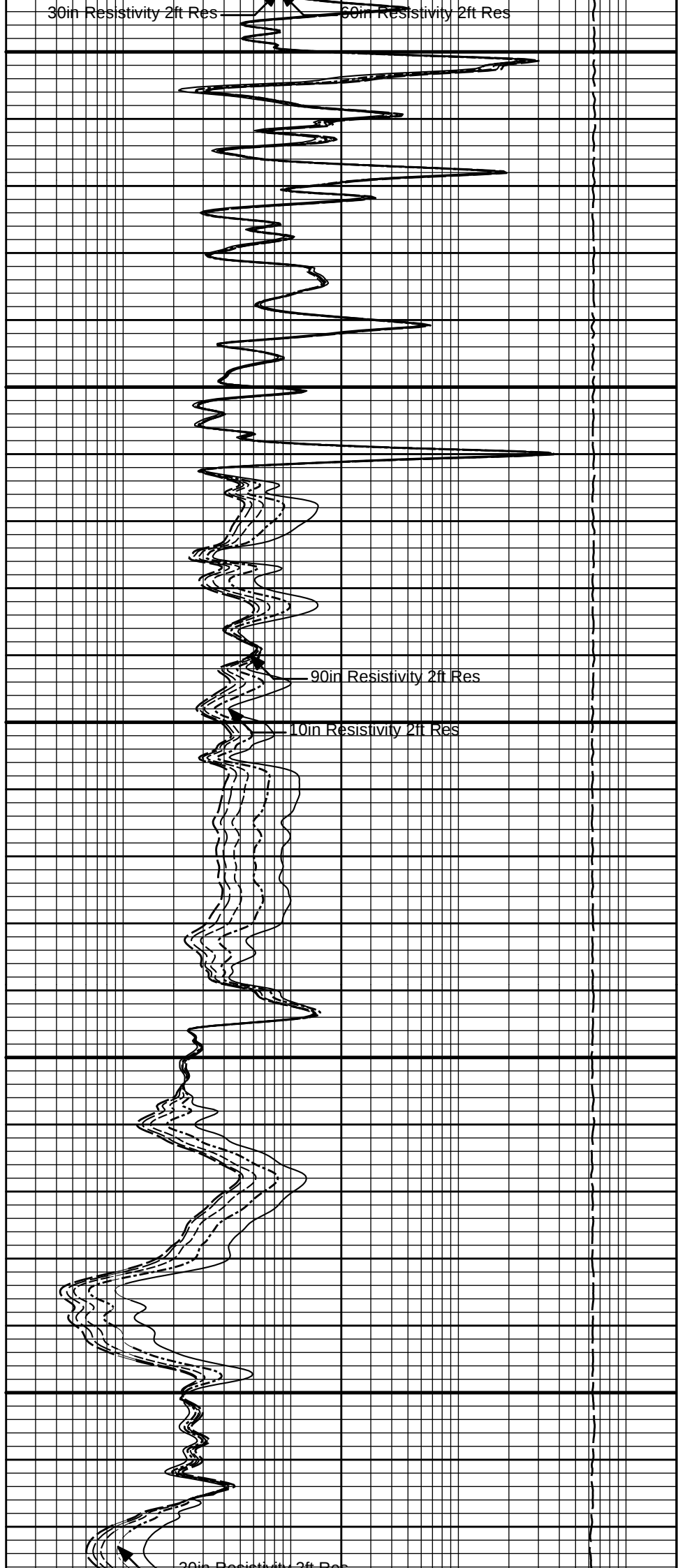




2600

2700

SP



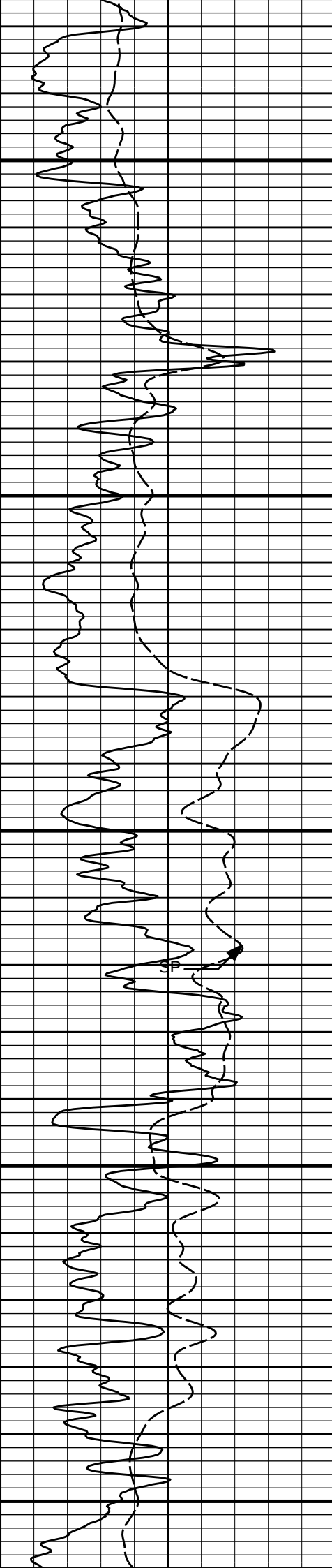
30in Resistivity 2ft Res

60in Resistivity 2ft Res

90in Resistivity 2ft Res

10in Resistivity 2ft Res

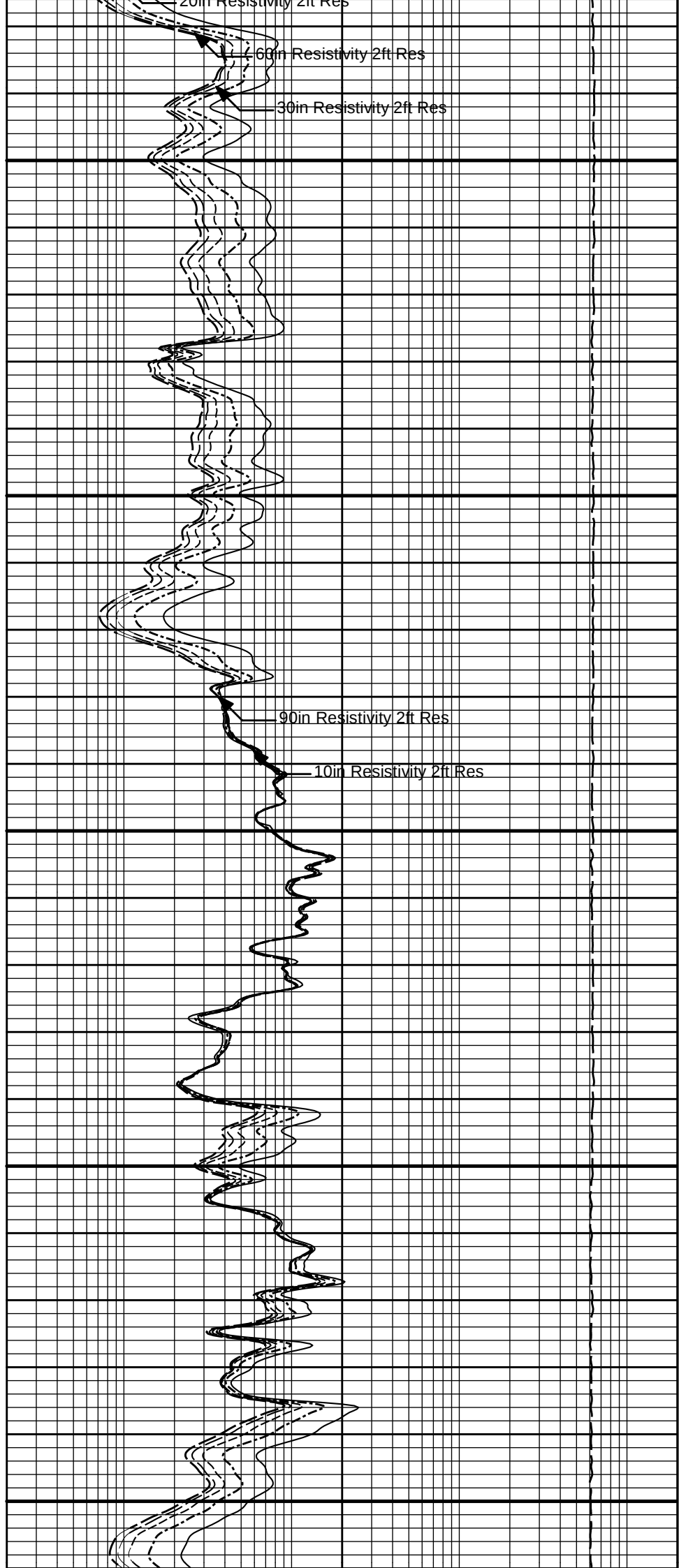
20in Resistivity 2ft Res



2800

2900

3000



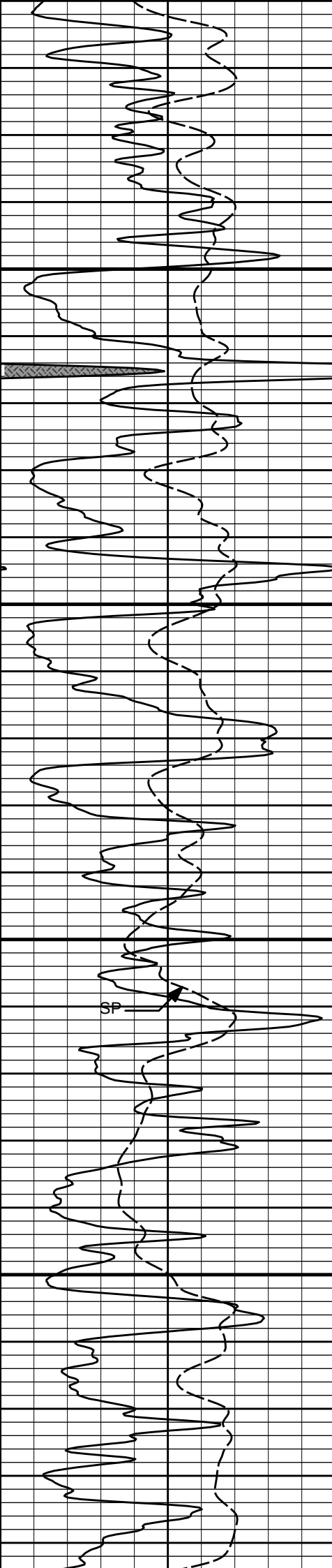
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60in Resistivity 2ft Res

30in Resistivity 2ft Res

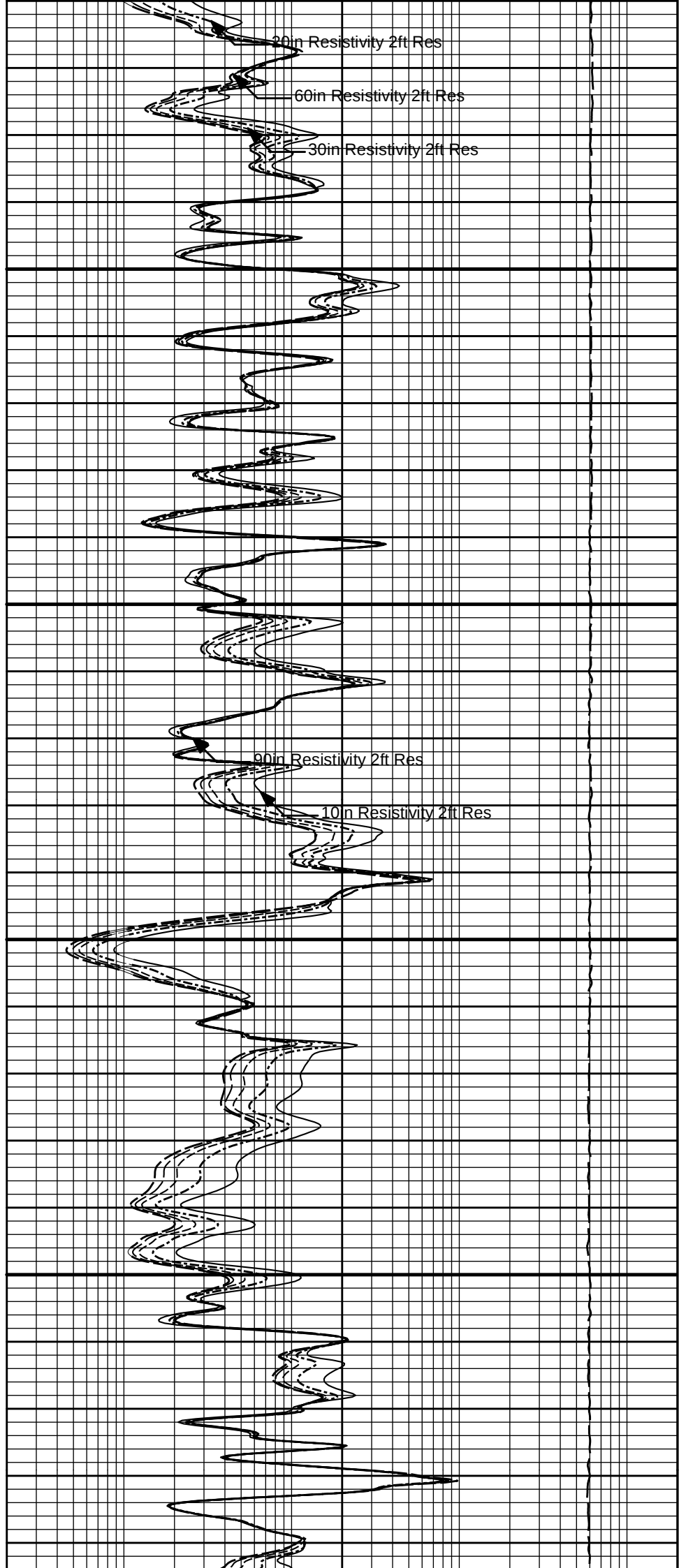
90in Resistivity 2ft Res

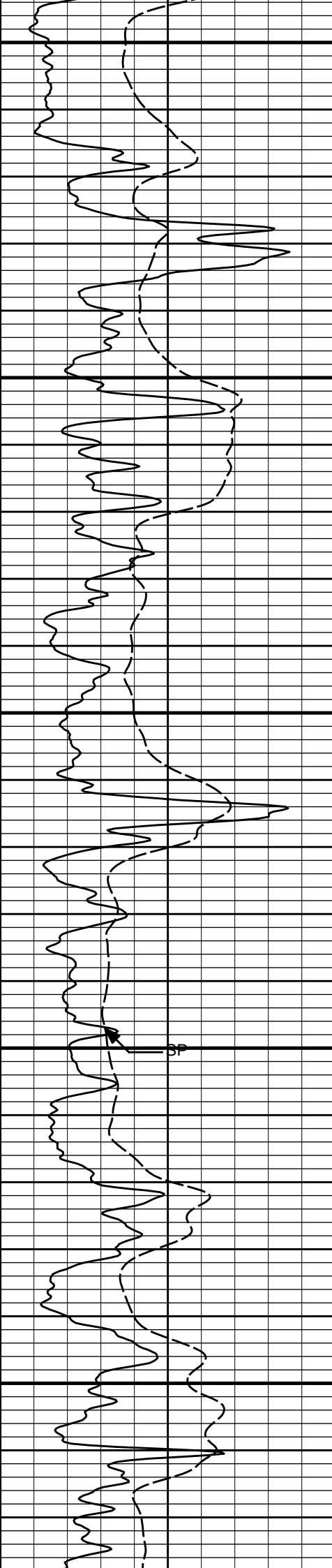
10in Resistivity 2ft Res



3100

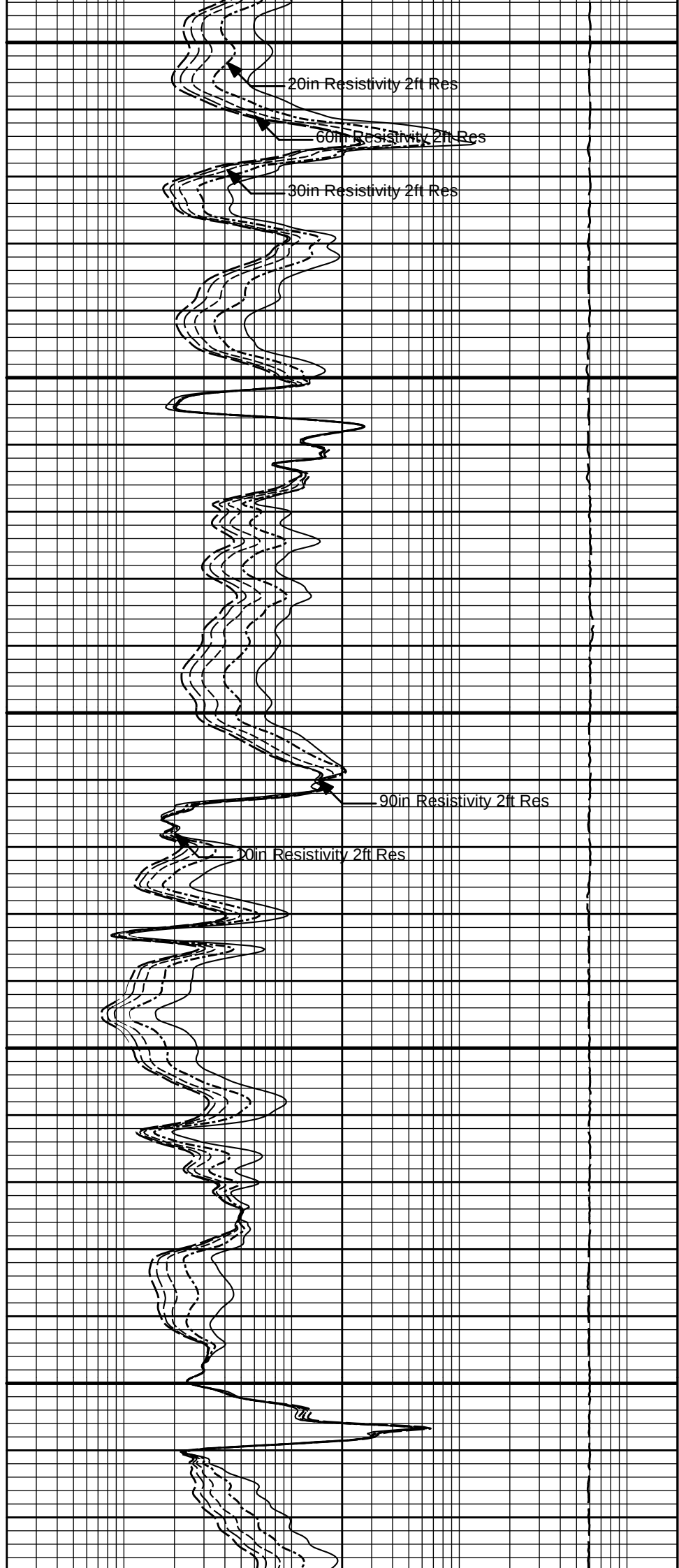
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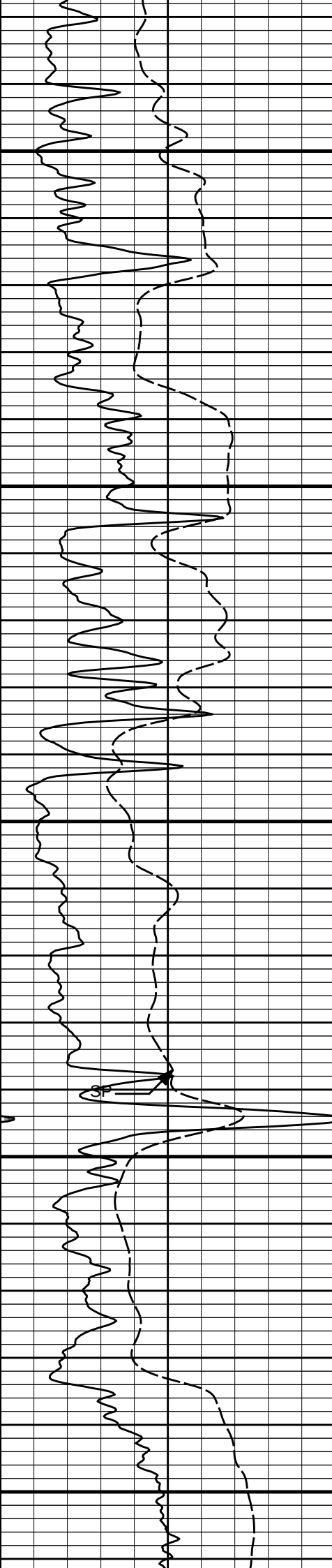




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3400

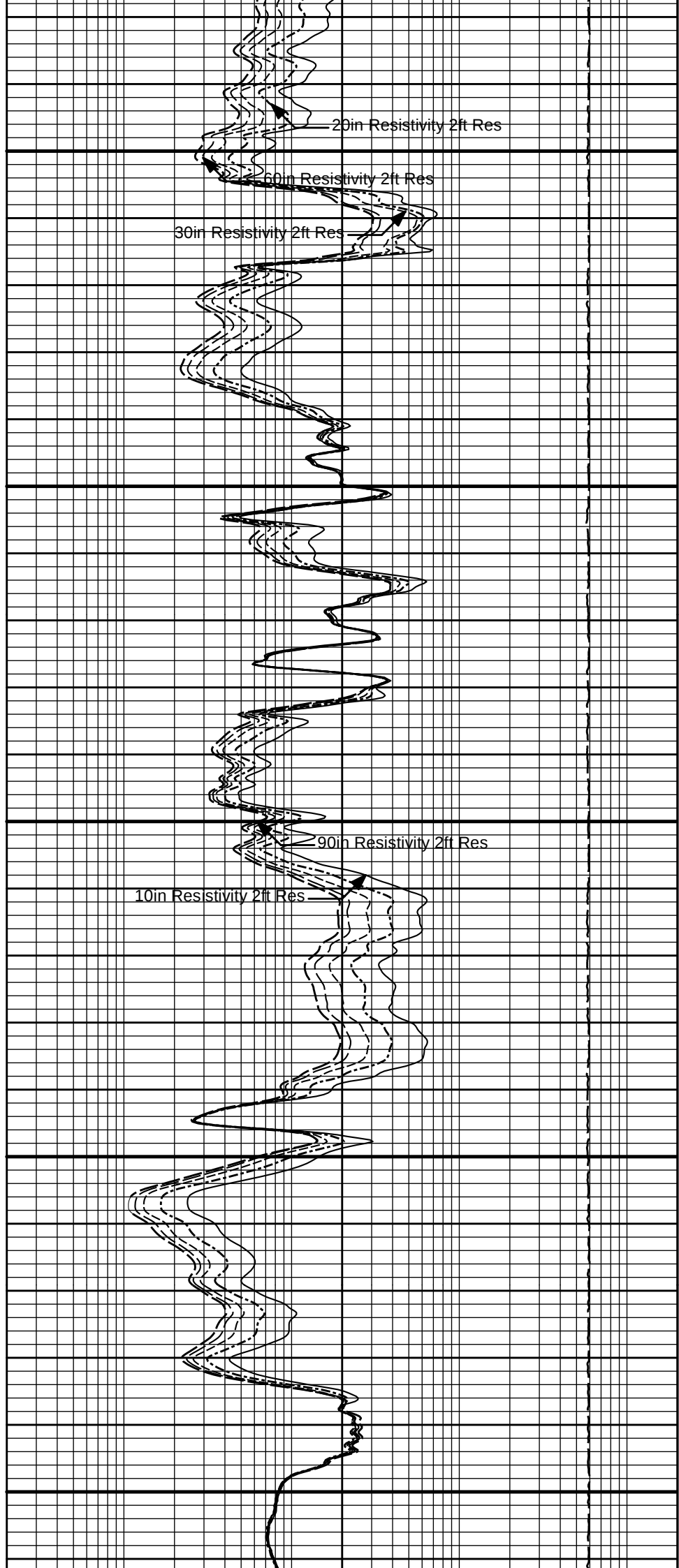


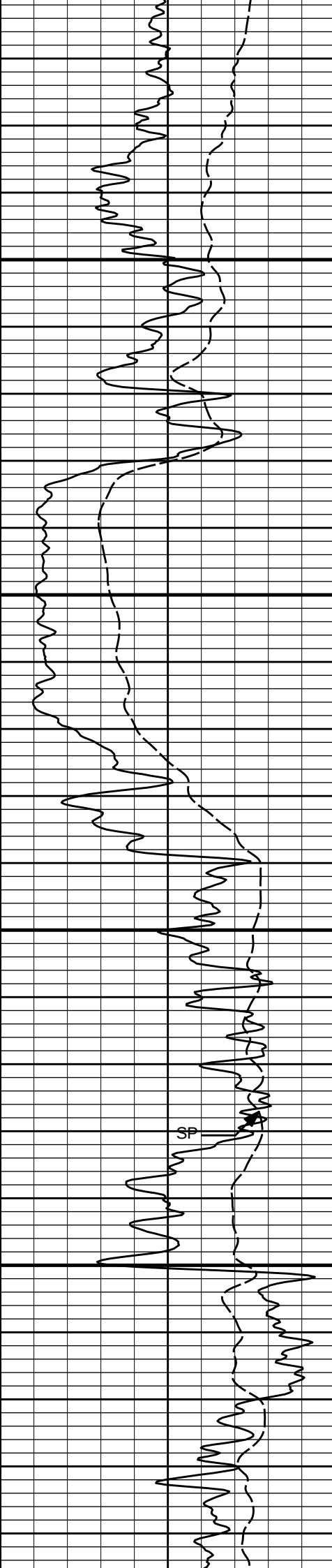


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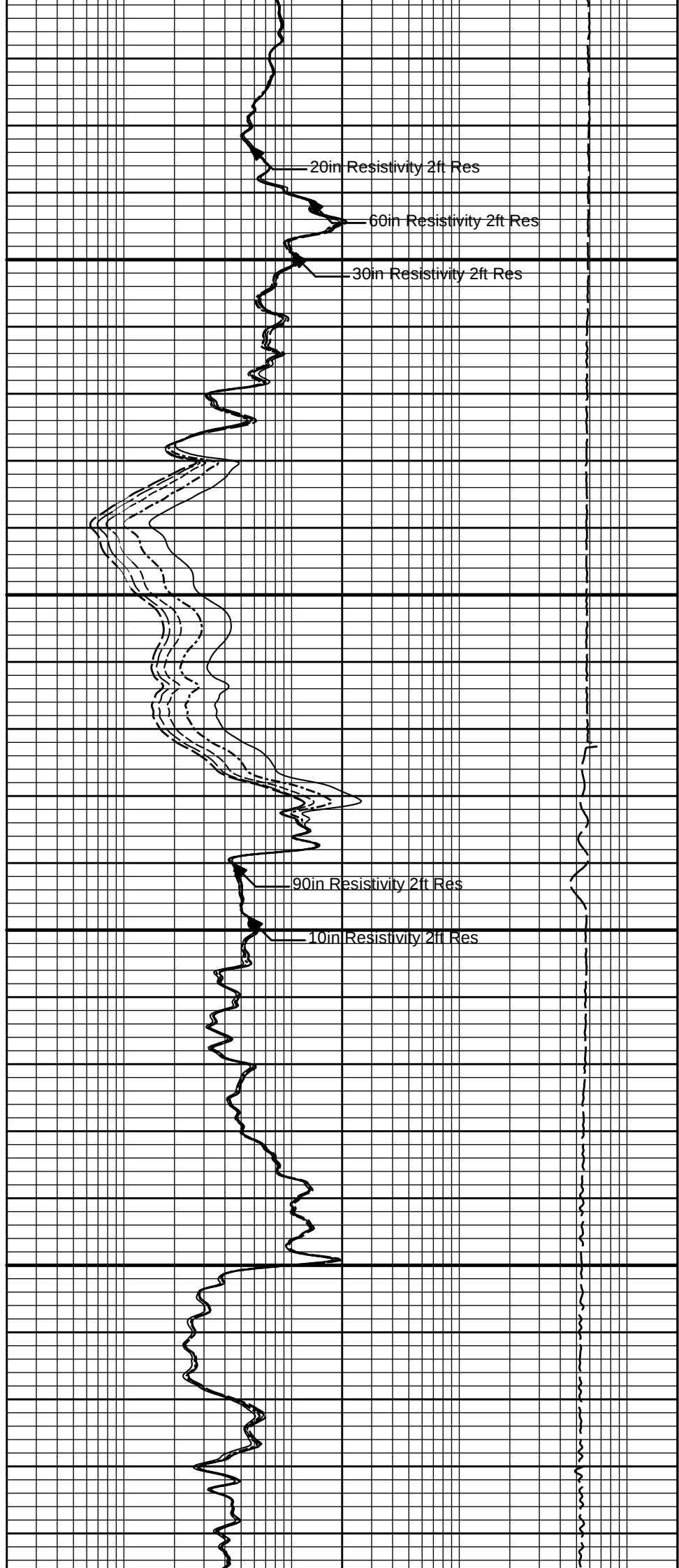
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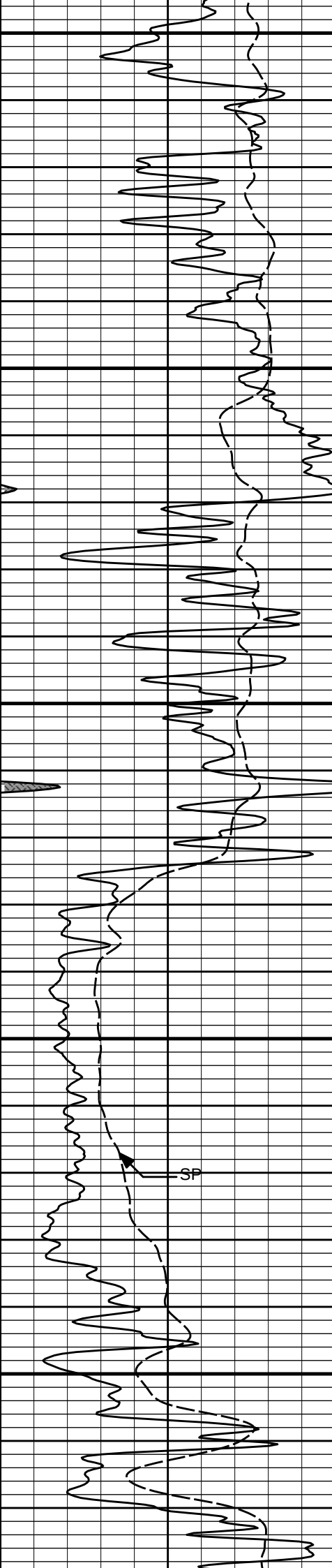




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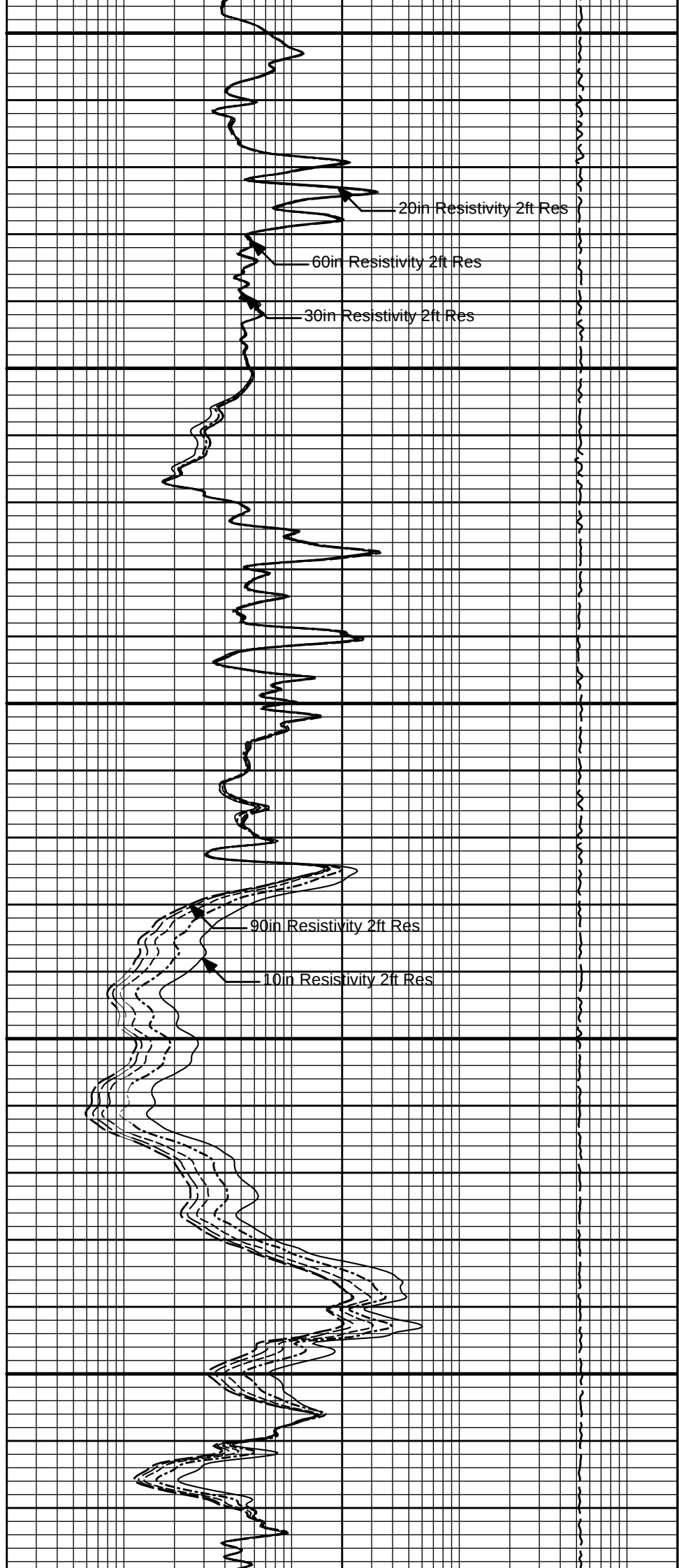
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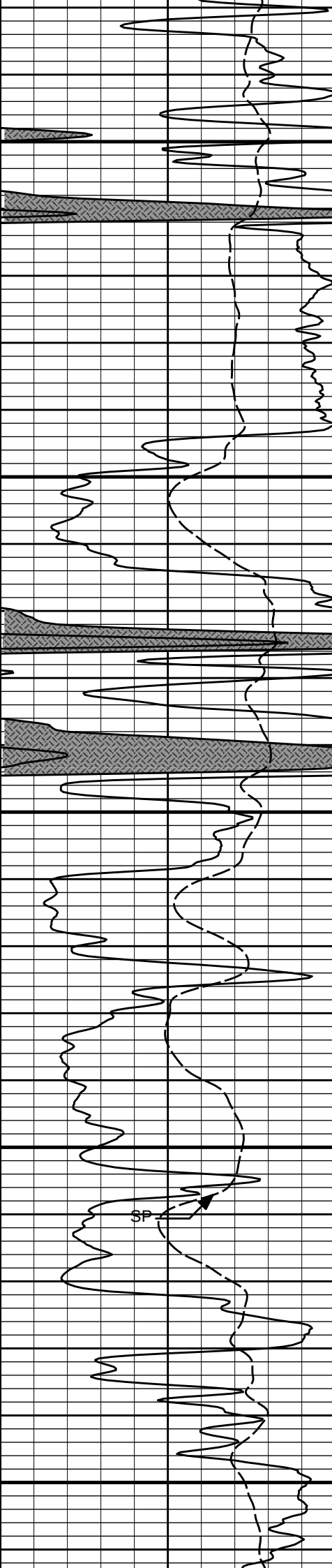




4000

4100

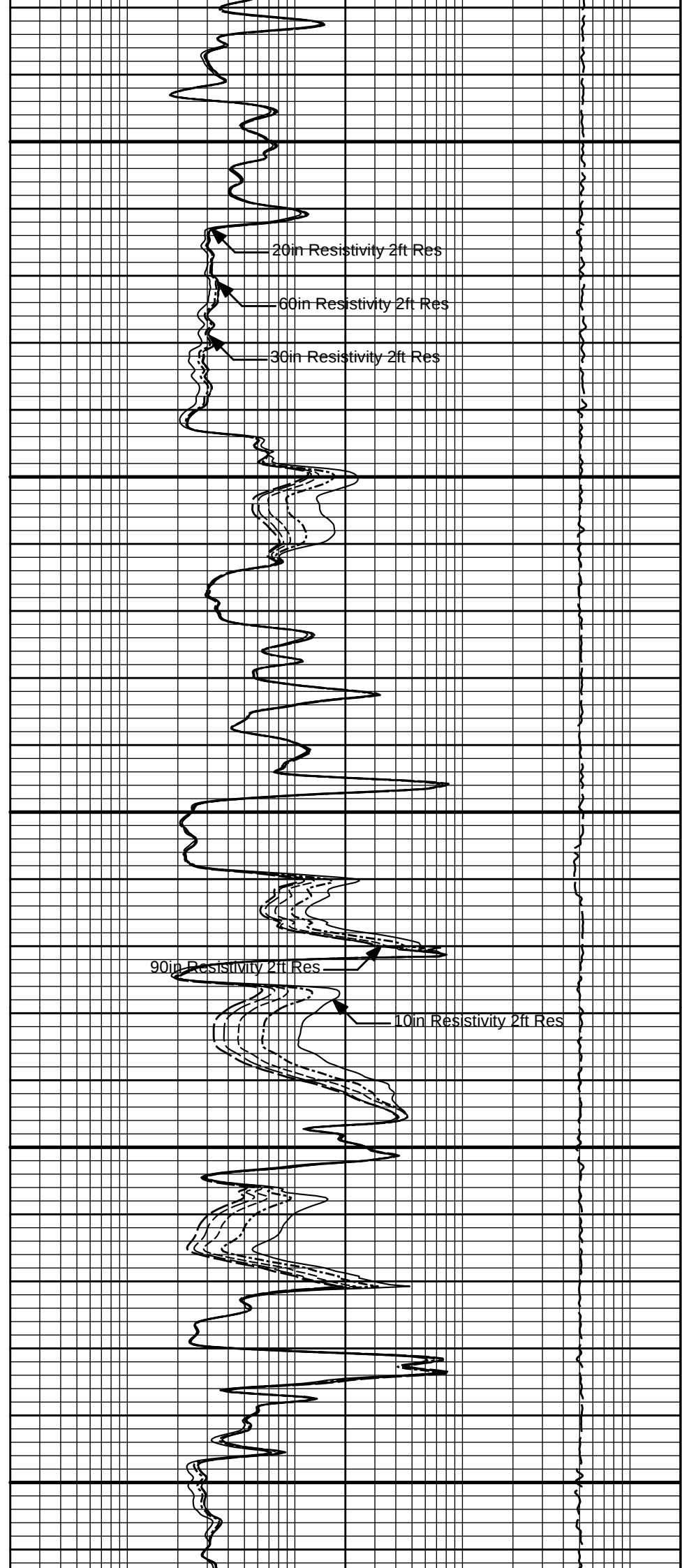


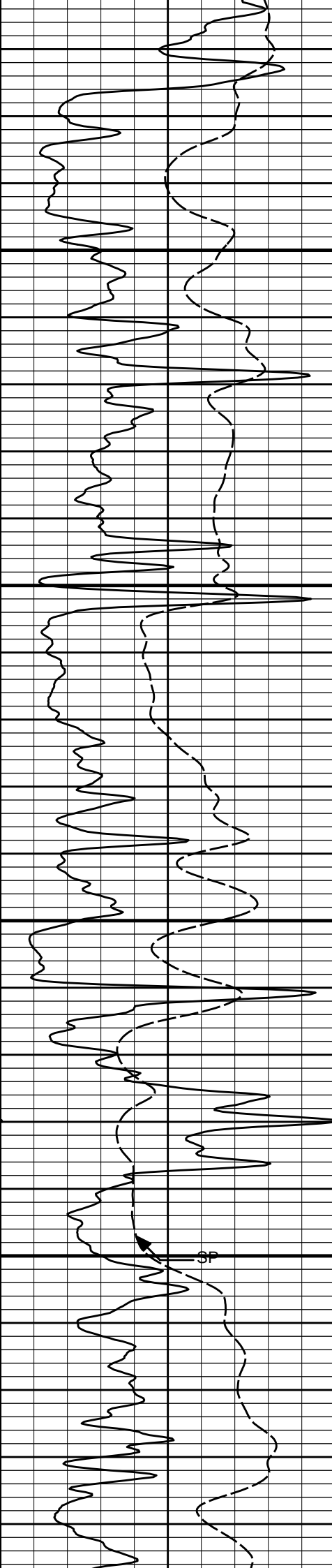


4200

4300

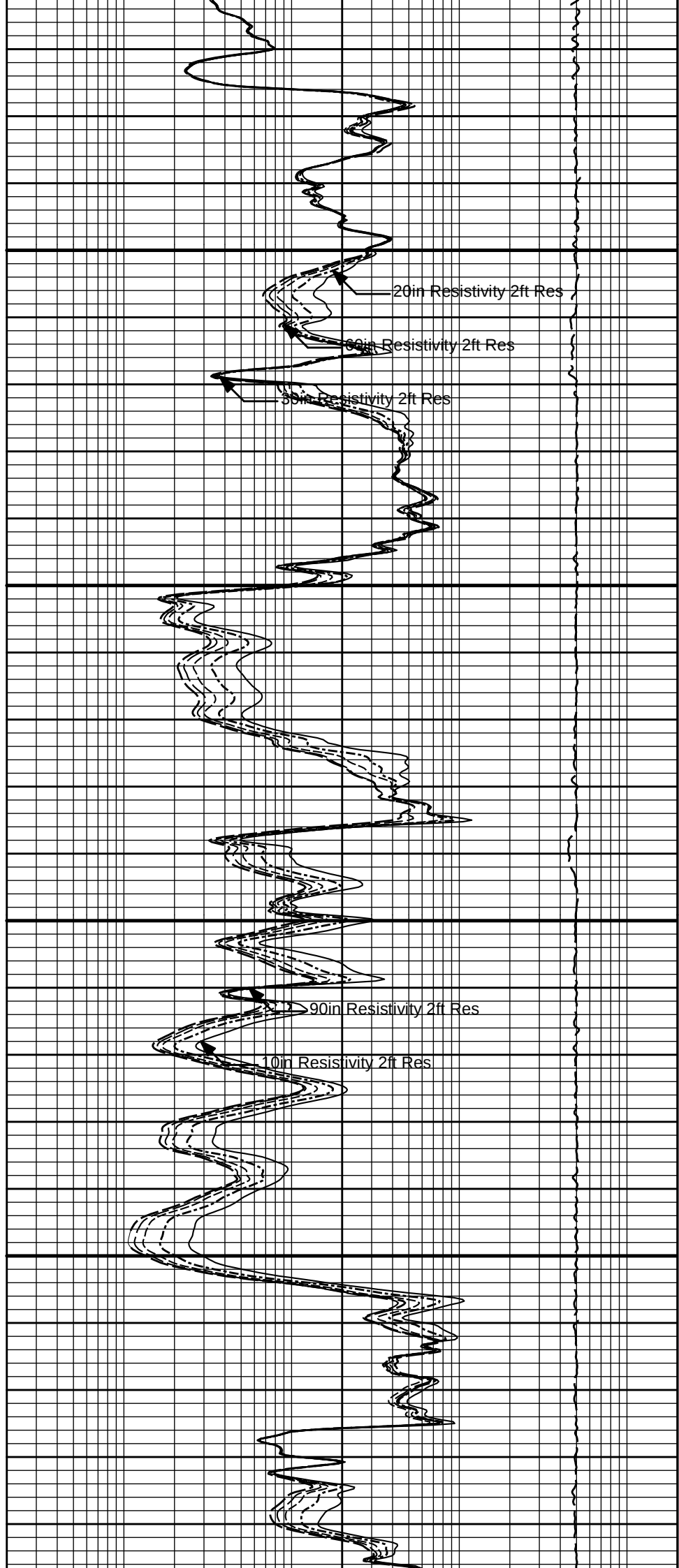
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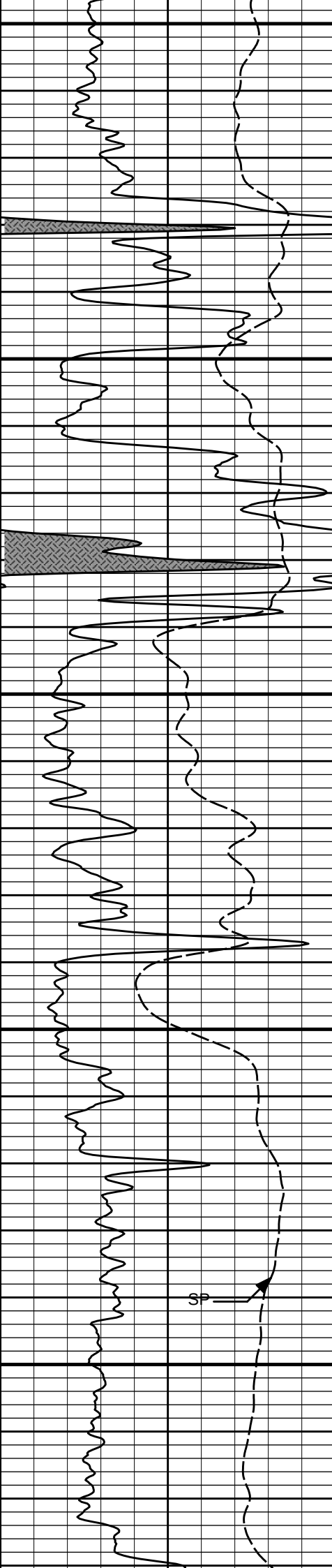




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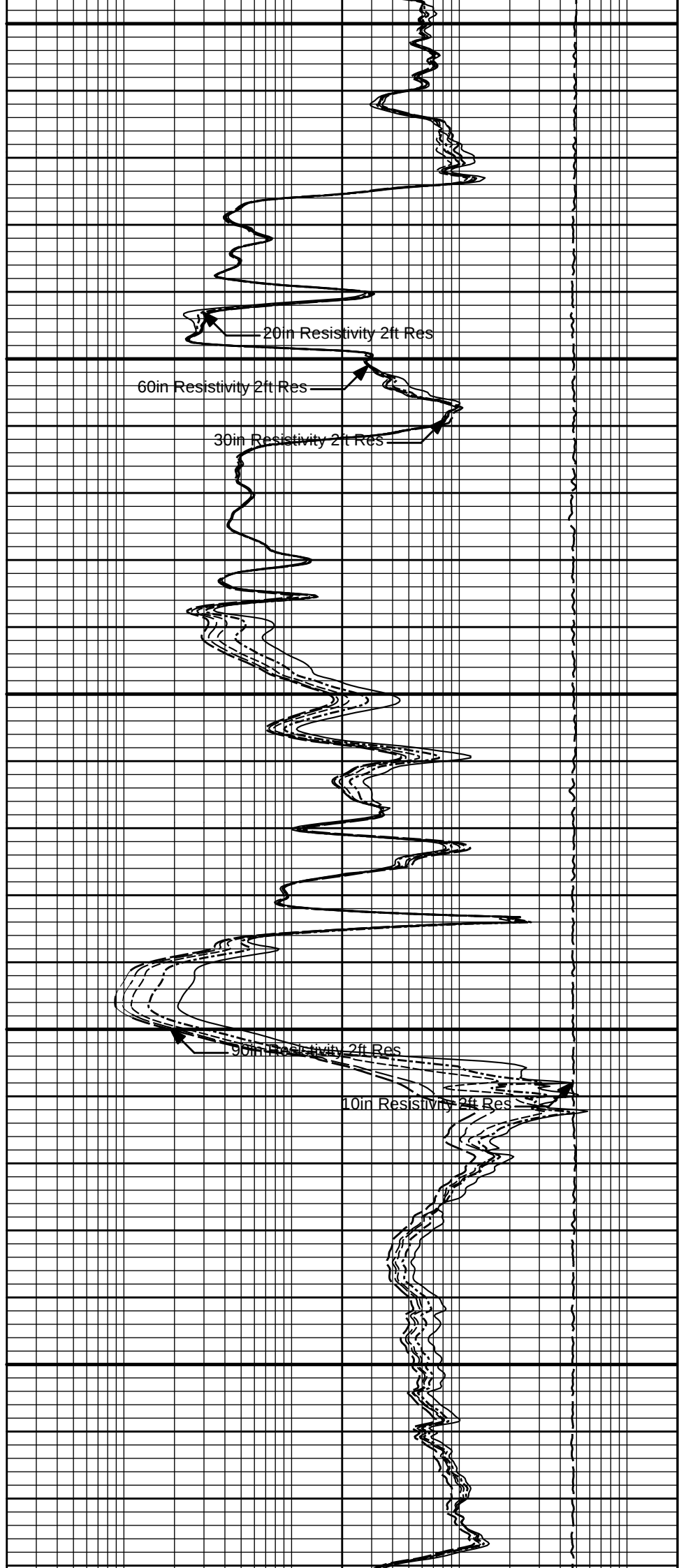
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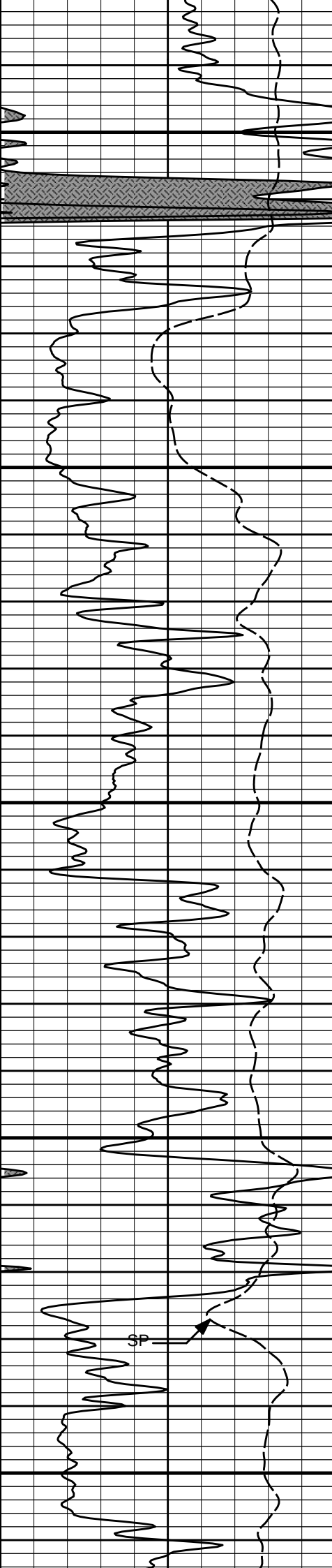




4700

4800

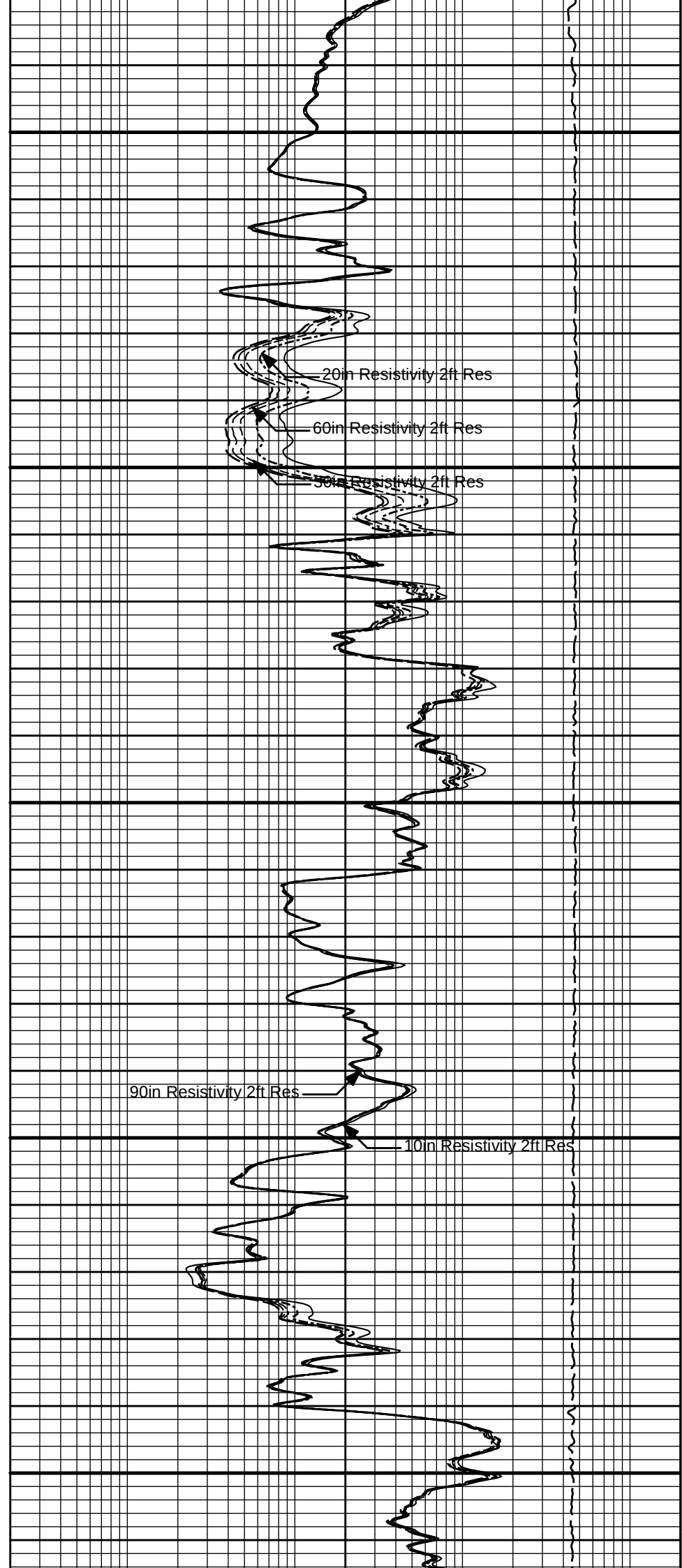




4900

5000

5100



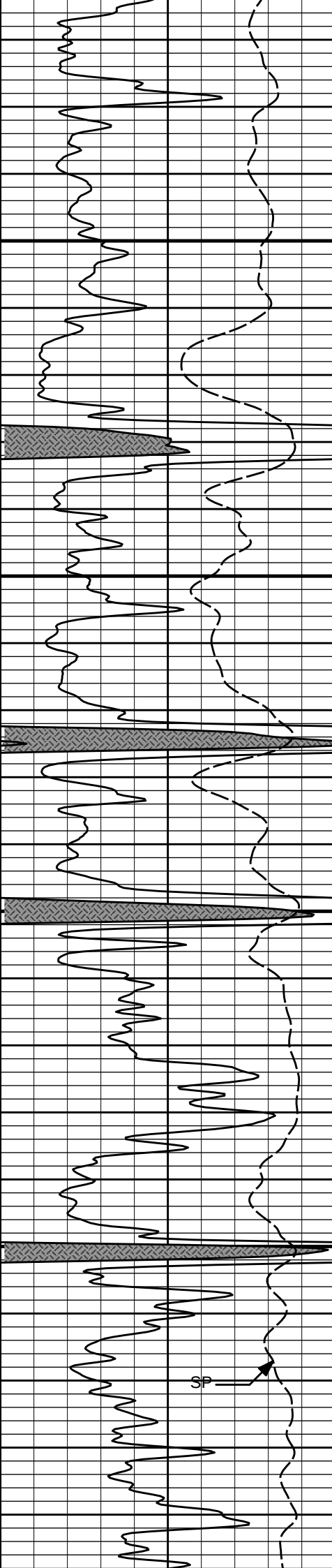
20in Resistivity 2ft Res

60in Resistivity 2ft Res

90in Resistivity 2ft Res

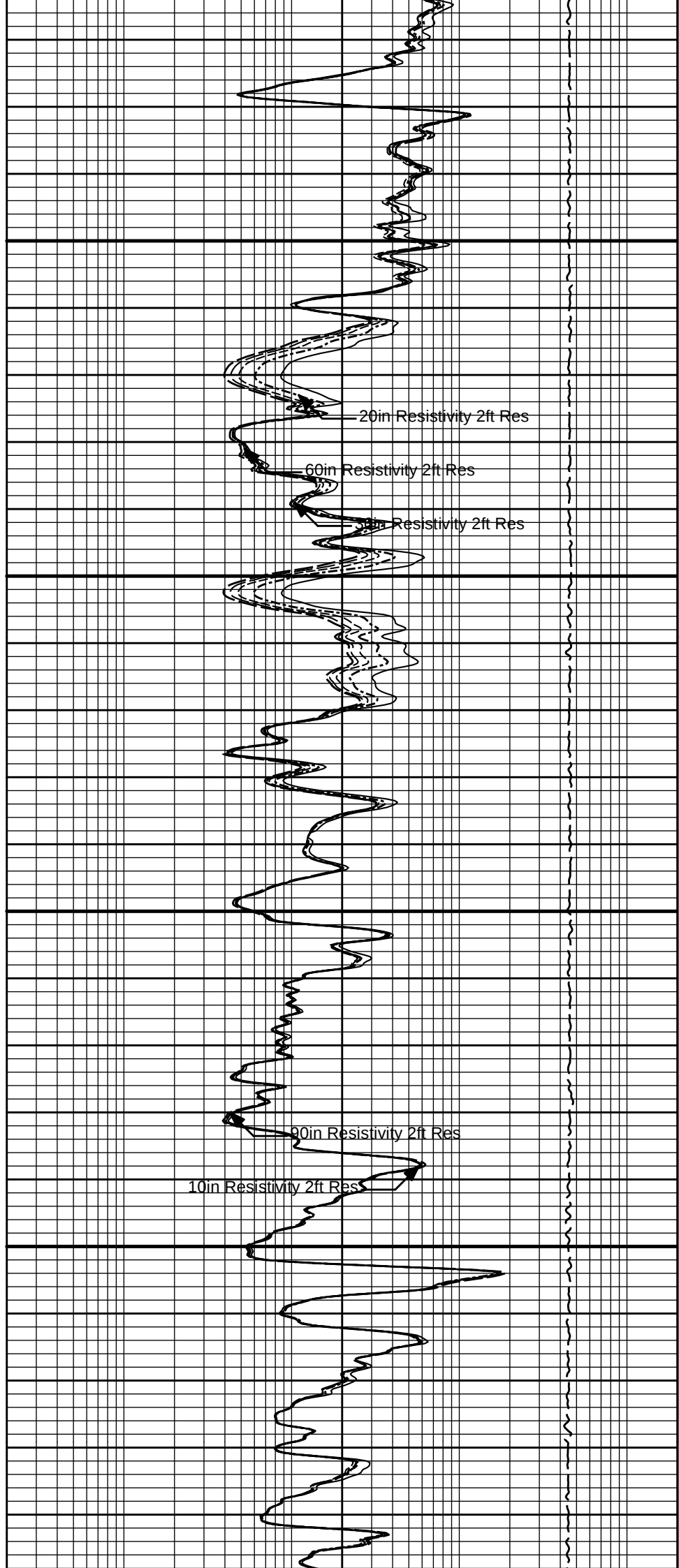
90in Resistivity 2ft Res

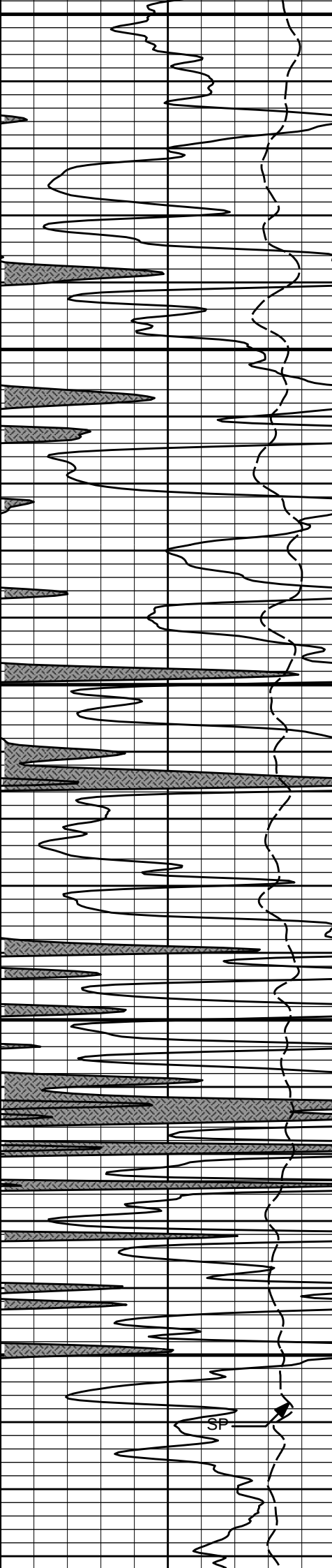
10in Resistivity 2ft Res



5200

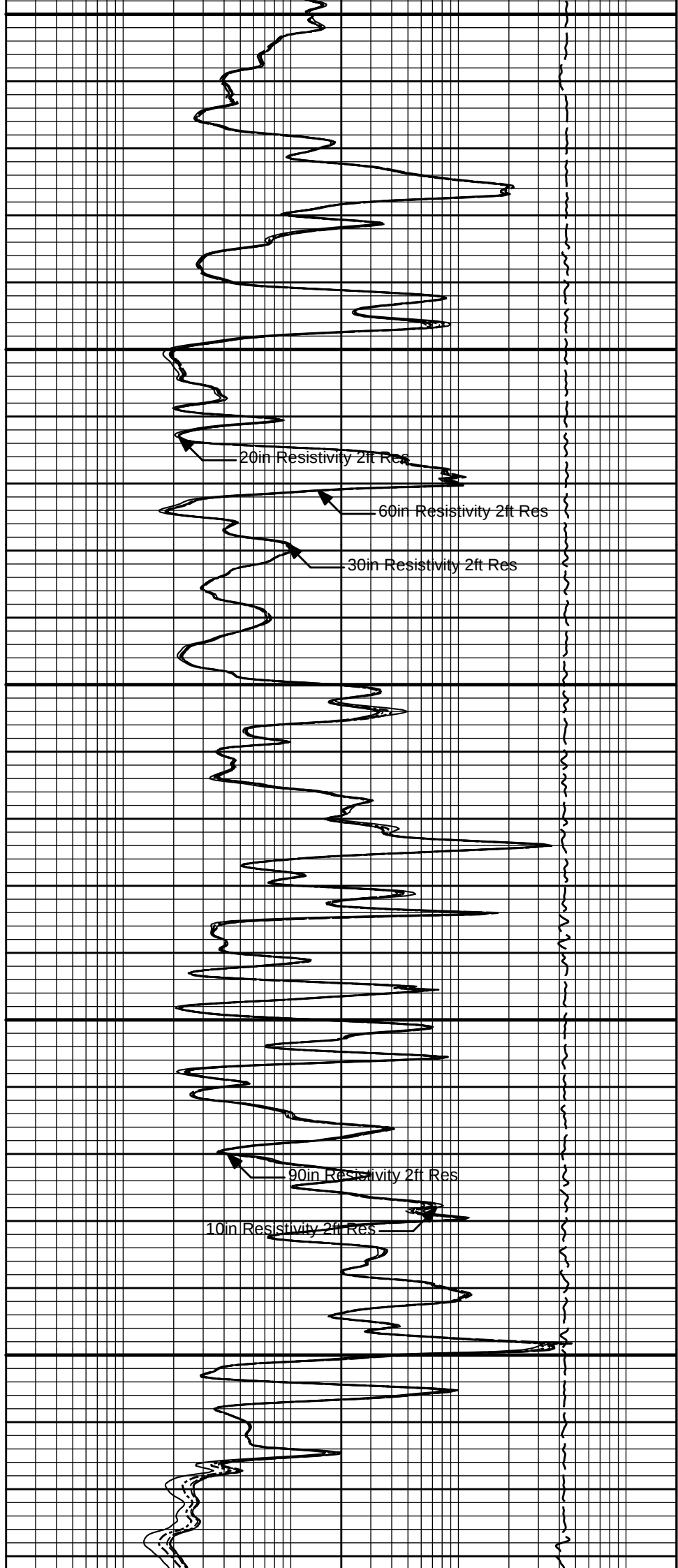
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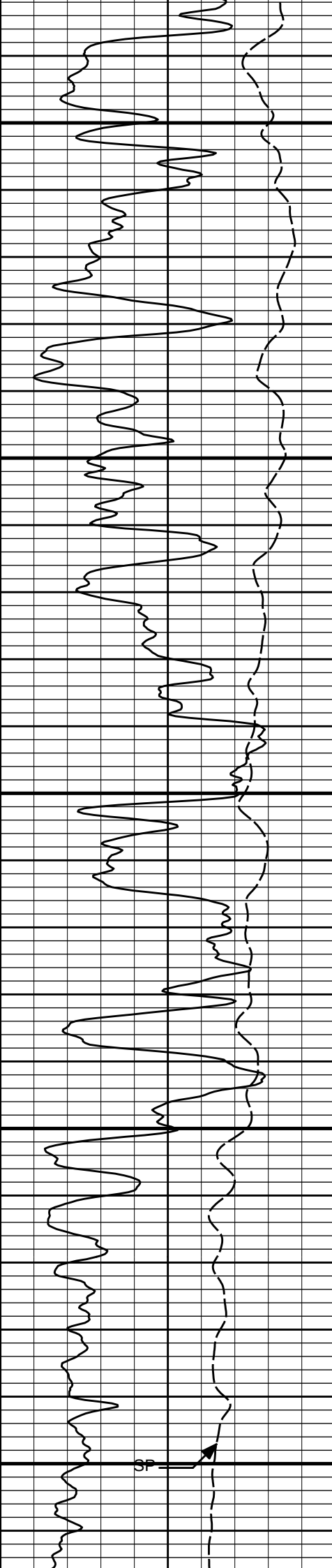




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5500



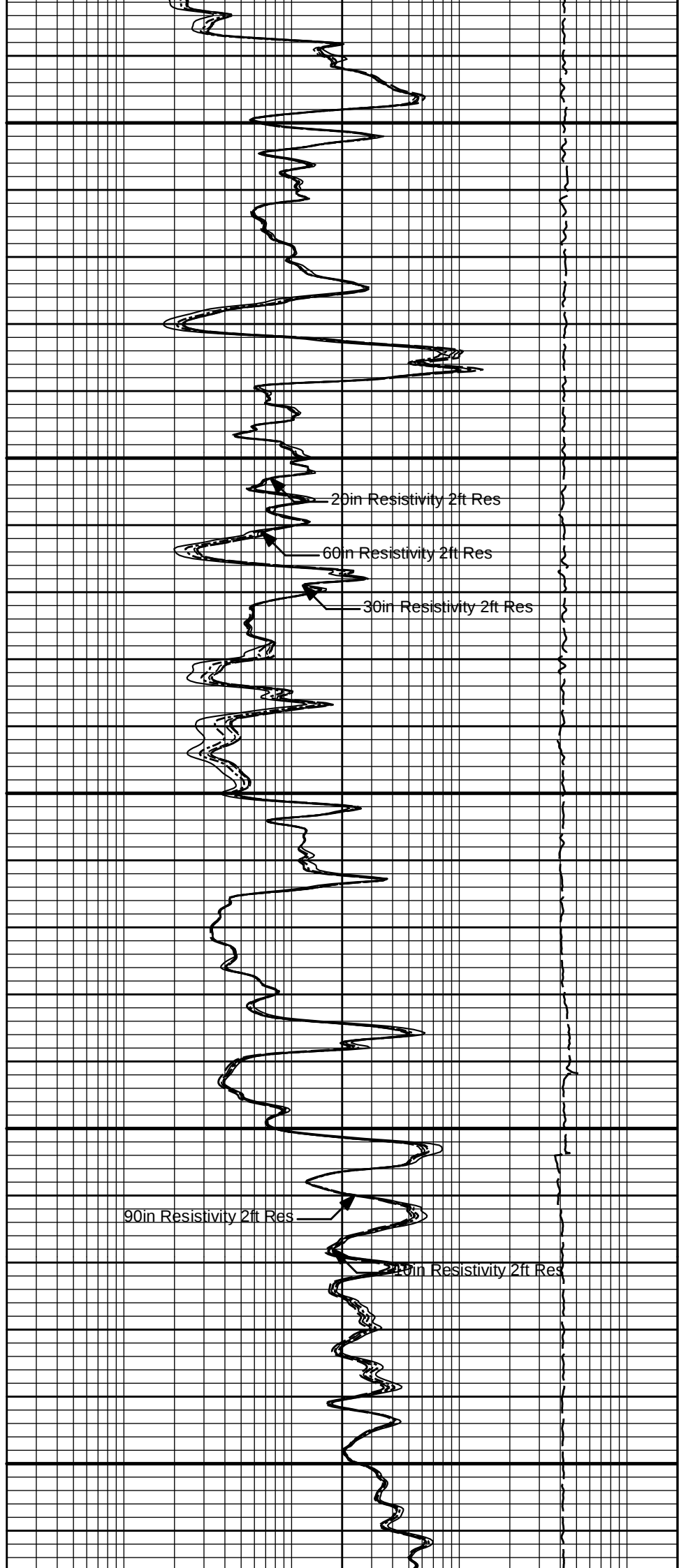


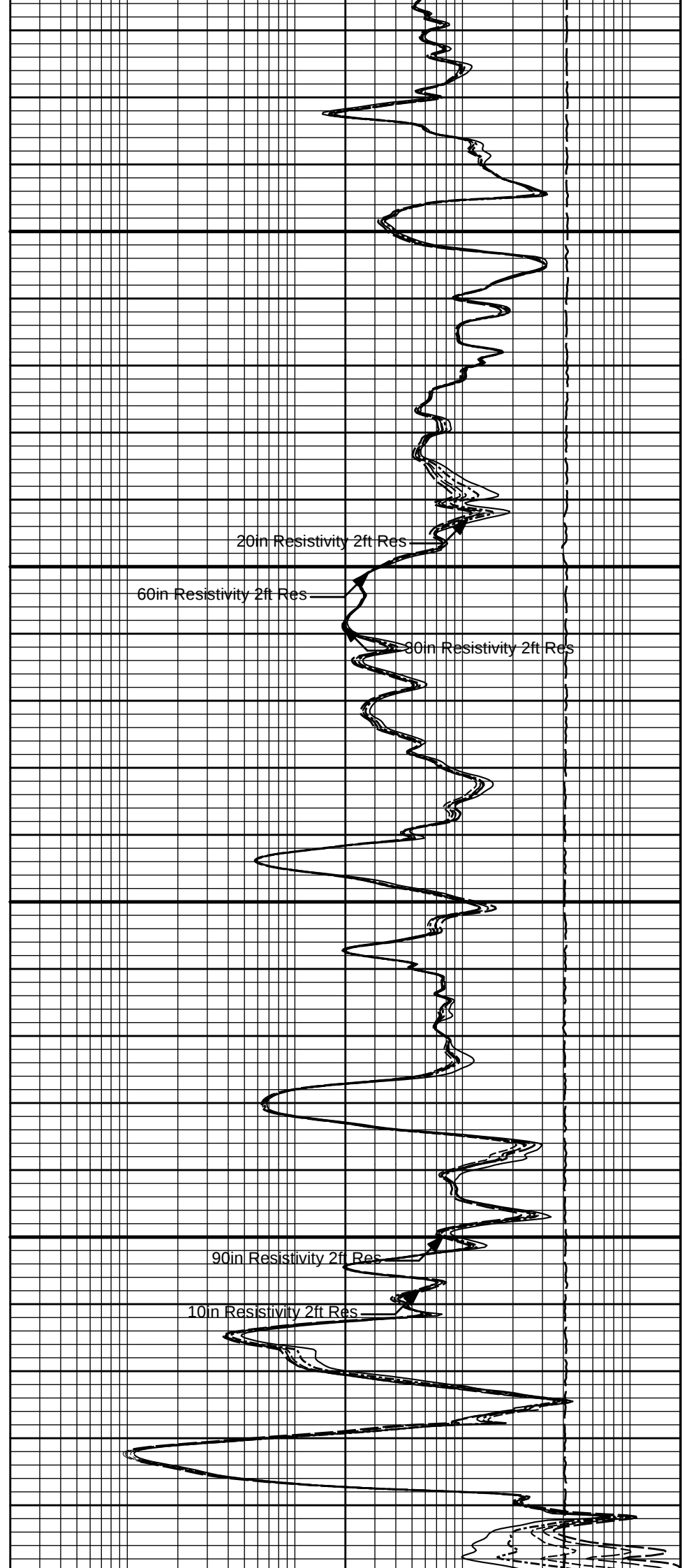
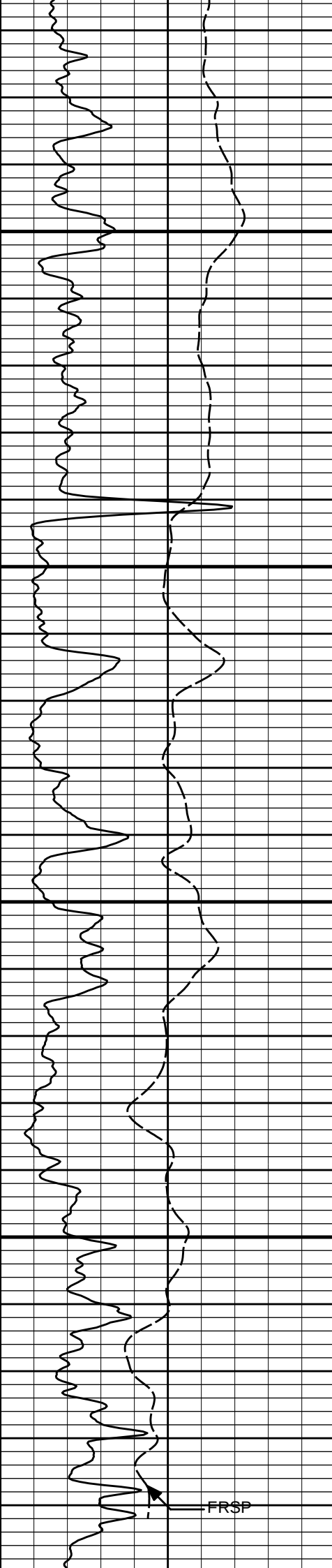
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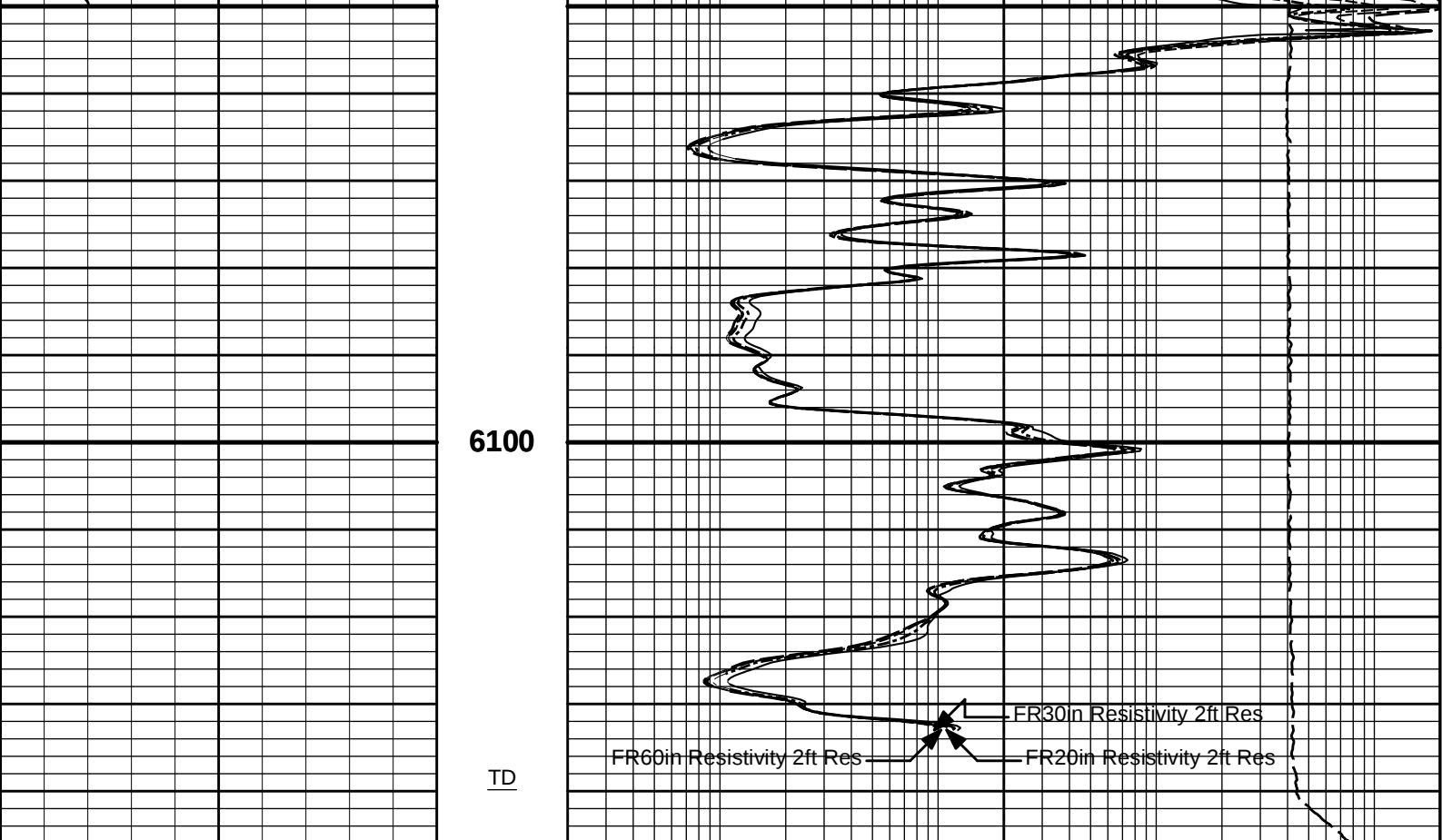
5700

5800

3P







0	Gamma API	150		15K	Tension	0
	api				pounds	
	SP					
	-]20[+					
			0.2	90in Resistivity 2ft Res		2K
				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		2K
				ohmm		

HALLIBURTON

Plot Time: 17-Nov-16 13:09:41

Plot Range: 1675 ft to 6145.92 ft

Data: ROCK_1-23\Well Based\DAQ-0001-004\

Plot File: \\-LOCAL-\\ROCK_1-23\Well Based\ACRT\ACRT_5inch_main

5 INCH MAIN LOG

5 INCH MAIN LOG

HALLIBURTON

Plot Time: 17-Nov-16 13:09:41

Plot Range: 5798 ft to 6146.08 ft

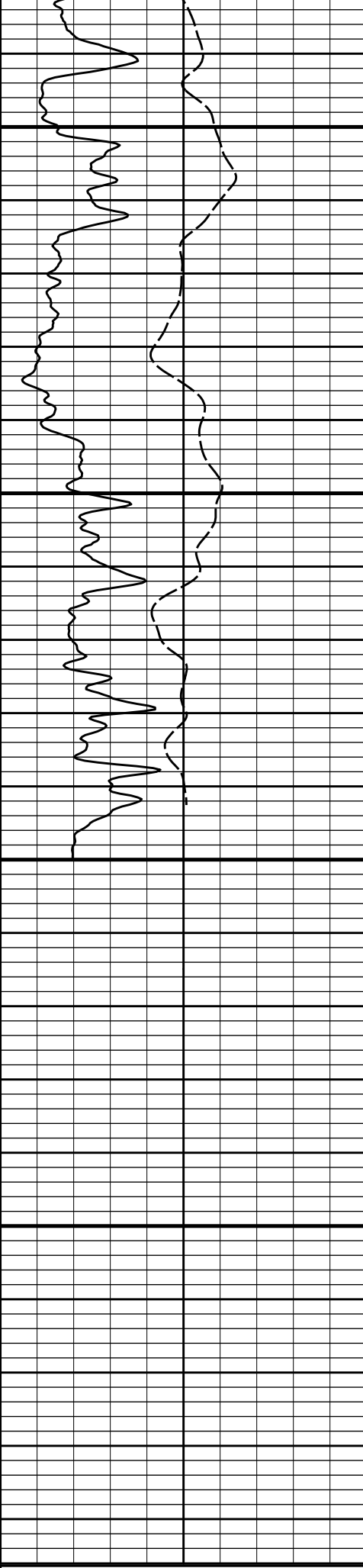
Data: ROCK_1-23\Well Based\REPEAT\

Plot File: \\-LOCAL-\\ROCK_1-23\Well Based\ACRT\ACRT_5inch_REPEAT

5 INCH MAIN LOG

5 INCH REPEAT LOG

		0.2	10in Resistivity 2ft Res	2K
		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	2K
		ohmm		
SP				
-]20[+				
0	Gamma API	150		
api				
		15K	Tension	0
		pounds		
5800				
5900				

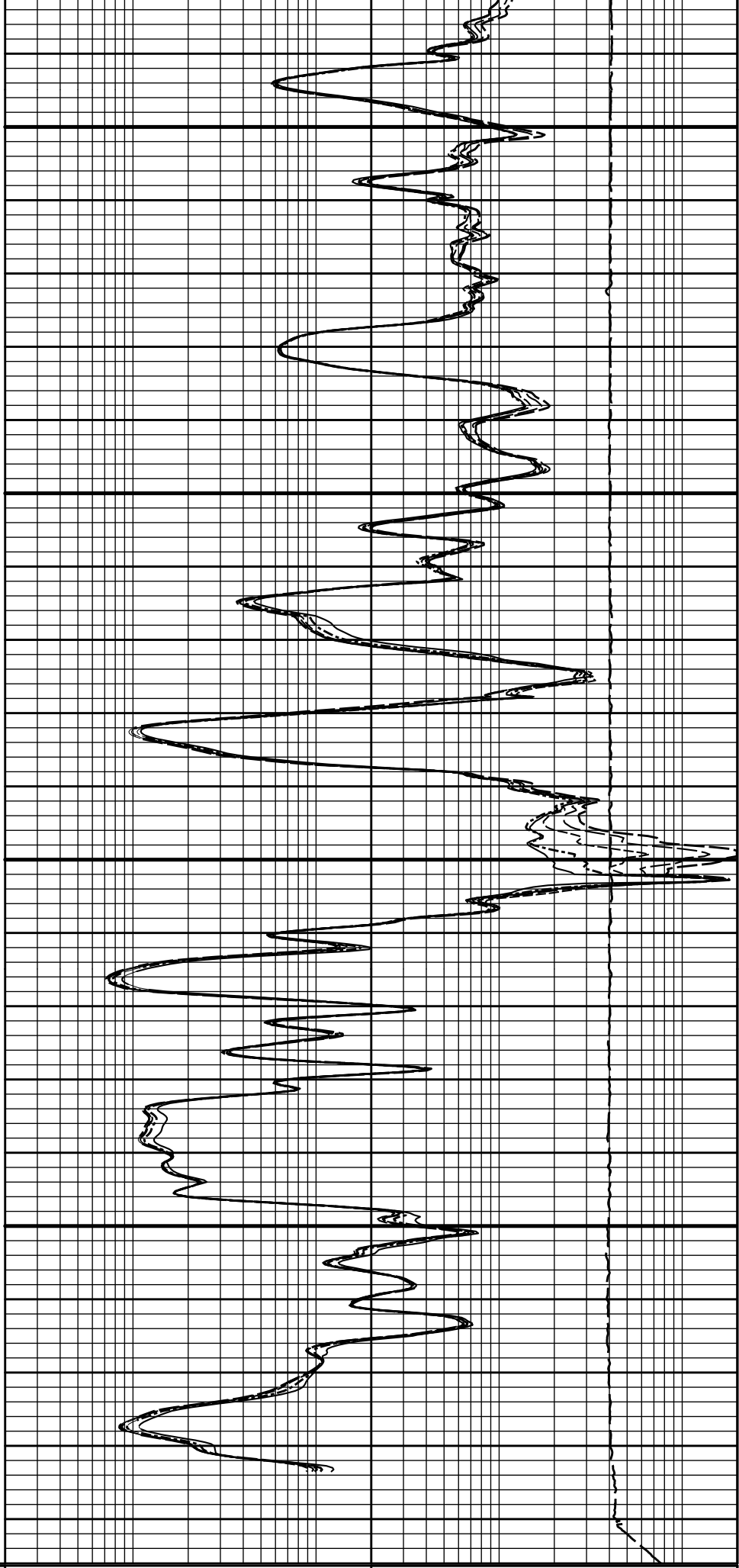


6000

6100

TD

0	Gamma API	150
	api	
	SP	
	-j20[+	



15K	Tension	0
	pounds	
0.2	90in Resistivity 2ft Res	2K
	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	2K
		ohmm	

HALLIBURTON

Plot Time: 17-Nov-16 13:09:42
Plot Range: 5798 ft to 6146.08 ft
Data: ROCK_1-23\Well Based\REPEAT\
Plot File: \\-LOCAL-\\ROCK_1-23\Well Based\ACRT\ACRT_5inch_REPEAT

5 INCH MAIN LOG

5 INCH REPEAT LOG

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
CH_HOS-00000025 37.50 lbs		Ø 2.750 in →		← Temperature @ 107.87 ft	3.03 ft	108.90 ft
XOHD-12345678 20.00 lbs		Ø 2.750 in → Ø 3.625 in →			0.95 ft	105.87 ft
						104.92 ft
SP Sub-11441455 60.00 lbs		Ø 3.625 in →		← SP @ 103.14 ft	3.74 ft	
				← Z-Accelerometer @ 100.73 ft		101.18 ft
GTET-11013114 165.00 lbs		Ø 3.625 in →		← GammaRay @ 95.12 ft	8.52 ft	
						92.66 ft
DSN Decentralizer-11019643 6.60 lbs		Ø 5.000 in* → Ø 3.625 in →			9.69 ft	
DSNT-11019643 174.00 lbs				← DSN Far @ 85.72 ft ← DSN Near @ 84.97 ft		82.97 ft

SDLT-10950489
360.00 lbs

SDLT Pad-10809130
65.00 lbs
Microlog Pad-10950489
8.00 lbs

Ø 4.500 in →

Ø 4.500 in* →

Ø 4.750 in* →

Microlog @ 75.16 ft
SDL Caliper @ 74.97 ft
SDL @ 74.96 ft

10.81 ft

72.16 ft

5.67 ft

66.49 ft

IQ Flex-11021611
140.00 lbs

Ø 3.625 in →

Centralizer 25-12345678
8.00 lbs

Ø 4.000 in* →

BSAT-10939050
300.00 lbs

Ø 3.625 in →

Receiver Array @ 57.97 ft
Sonic Receivers @ 57.97 ft

15.77 ft

Centralizer 25-12345679
8.00 lbs

Ø 4.000 in* →

50.71 ft

XRMI-I Instrument-
10967399
290.00 lbs

Ø 4.500 in →

14.30 ft

36.41 ft

XRMI-I Mandrel-
10967400
206.00 lbs

Ø 5.000 in →

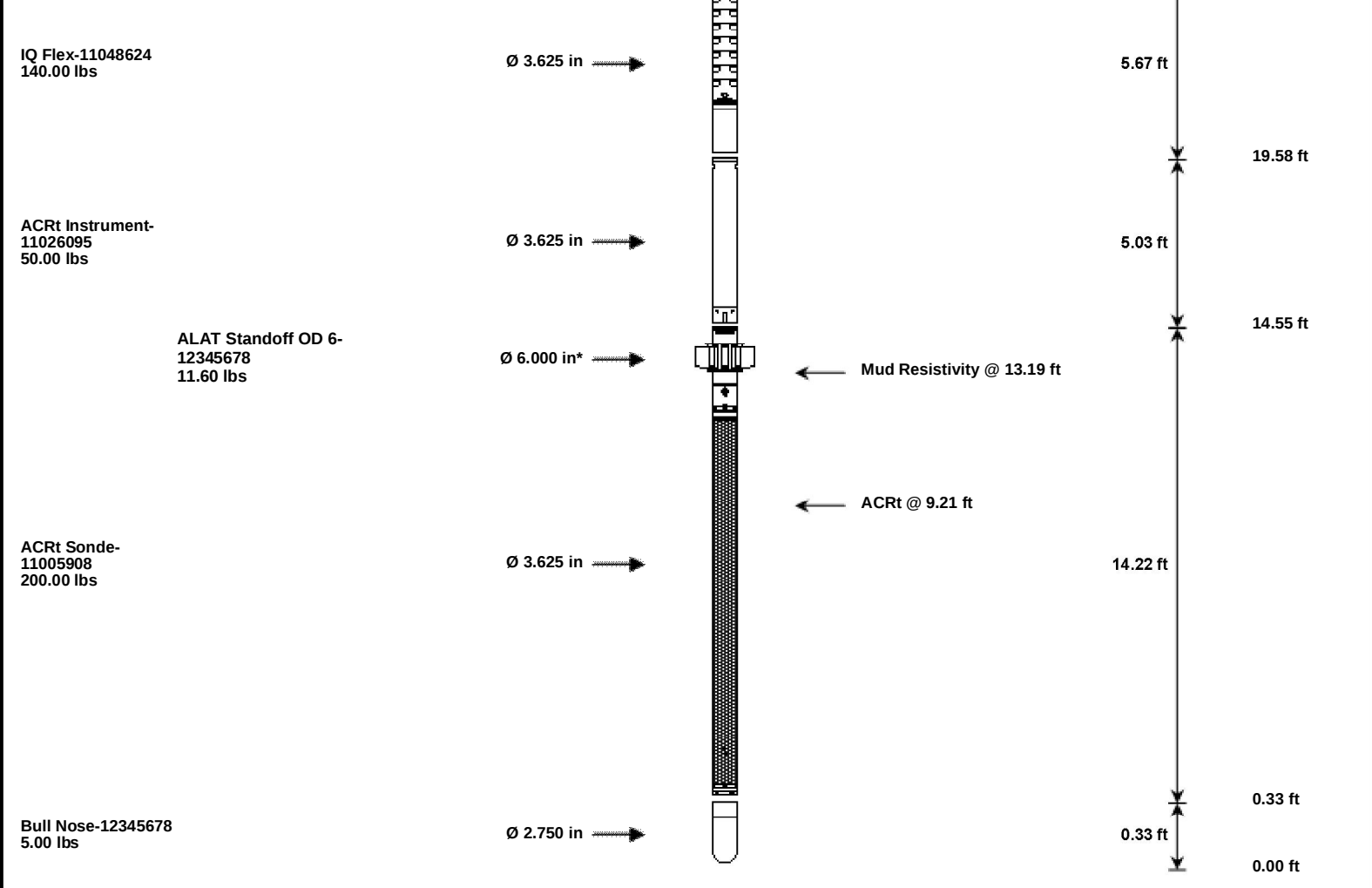
Ø 4.500 in →

11.16 ft

Pads 2, 4, 6 @ 28.02 ft

Pads 1, 3, 5 @ 27.79 ft

25.25 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	00000025	37.50	3.03	105.87	300.00	
XOHD	Hostile to Dits Cross Over	12345678	20.00	0.95	104.92	300.00	
SP	SP Sub	11441455	60.00	3.74	101.18	300.00	
GTET	Gamma Telemetry Tool	11013114	165.00	8.52	92.66	60.00	
DSNT	Dual Spaced Neutron	11019643	174.00	9.69	82.97	60.00	
DCNT	DSN Decentralizer	11019643	6.60	5.13	*	86.30	300.00
SDLT	Spectral Density Tool	10950489	360.00	10.81	72.16	60.00	
SDLP	Density Insite Pad	10809130	65.00	2.55	*	74.37	60.00
MICP	Microlog Pad	10950489	8.00	1.00	*	74.66	60.00
IQF	IQ Flex tool	11021611	140.00	5.67	66.49	300.00	
BSAT	Borehole Sonic Array Tool	10939050	300.00	15.77	50.71	60.00	
OBCEN	Centralizer - 25 in. Overbody	12345679	8.00	2.08	*	51.02	300.00
OBCEN	Centralizer - 25 in. Overbody	12345678	8.00	2.08	*	63.84	300.00
XRMI	XRMI Navigation - Insite	10967399	290.00	14.30	36.41	30.00	
XRMI-I	XRMI Imager - Insite	10967400	206.00	11.16	25.25	30.00	
IQF	IQ Flex tool	11048624	140.00	5.67	19.58	300.00	
ACRt	Array Compensated True Resistivity Instrument Section	11026095	50.00	5.03	14.55	120.00	
ACRt	Array Compensated True Resistivity Sonde Section	11005908	200.00	14.22	0.33	120.00	
ALATS	Array Laterolog Tool OD 6 Standoff	12345678	11.60	1.00	*	13.02	60.00
BLNS	Bull Nose	12345678	5.00	0.33	0.00	300.00	
Total			2,254.70	108.90			
* Not included in Total Length and Length Accumulation.							
Data: ROCK_1-2310001 GTET-DSN-SDL-BSAT-XRMI-ACRTIDLE							
Date: 16-Nov-16 17:01:13							

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	8.900	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	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	CSTR	Compressive Strength	1000.00	psia
SHARED	ST	Surface Temperature	75.0	degF
SHARED	TD	Total Well Depth	6400.00	ft
SHARED	BHT	Bottom Hole Temperature	135.0	degF
SHARED	SVTM	Navigation and Survey Master Tool	XRMI-I Instrument	
SHARED	AZTM	High Res Z Accelerometer Master Tool	XRMI-I Instrument	
SHARED	TEMM	CBM Temperature Master Tool	GTET	
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	
Rwa / CrossPlot	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
Rwa / CrossPlot	ROIN	Input for RO Calculation	Rwa	
GTET	GROK	Process Gamma Ray?	Yes	
GTET	GEOK	Process Gamma Ray EVR?	No	
GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
GTET	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
DSNT	DNOK	Process DSN?	Yes	
DSNT	DEOK	Process DSN EVR?	No	
DSNT	NLIT	Neutron Lithology	Limestone	
DSNT	DSNO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
DSNT	DNTT	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	
DSNT	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
SDLT	CLOK	Process Caliper Outputs?	Yes	
Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
SDLT Pad	DNOK	Process Density?	Yes	
SDLT Pad	DNOK	Process Density EVR?	No	
SDLT Pad	CB	Logging Calibration Blocks?	No	
SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT Pad	DTWN	Disable temperature warning	No	
SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc
SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
SDLT Pad	BHSM	Borehole Size Source Tool	SDLT	
BSAT	MBOK	Compute BCAS Results?	Yes	

BSAT	MBOR	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 Pore Fluid	189.00	uspf
BSAT	DTMT	Delta -T Matrix Type	Limestone	47.6
BSAT	DTSH	Delta -T Shale	100.00	uspf
BSAT	SPEQ	Acoustic Porosity Equation	Wylie	
XRMI-I Instrument	WRTI	Survey Writing Interval	30	ft
XRMI-I Instrument	SOPT	Smoothing Option	None	
XRMI-I Instrument		Angular Offset Between Imaging Tools	0	deg
XRMI-I Mandrel	DIMG	Process XRMI?	Yes	
XRMI-I Mandrel	ALMT	Image Alignment Method	TOOL	
XRMI-I Mandrel	AGN	Use Button Auto Gain?	Yes	
XRMI-I Mandrel	BCLR	Button Auto Gain Color	127	
XRMI-I Mandrel	BFIL	Button Auto Gain Filter	0.020	
XRMI-I Mandrel	BGAN	Button Gain Value	0.001	
XRMI-I Mandrel	BOFF	Button Offset	0	
XRMI-I Mandrel	DIPE	Process Dipmeter Calculations?	Yes	
XRMI-I Mandrel	BHCS	Process Borehole Corrections?	Yes	
XRMI-I Mandrel	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
XRMI-I Mandrel	CLOK	Process Caliper Outputs?	Yes	
XRMI-I Mandrel	CMAX	Caliper Maximum Limit	100.0	in
XRMI-I Mandrel	CMIN	Caliper Mimimum Limit	3.5	in
XRMI-I Mandrel	NAVS	Navigation Source Tool	XRMI-I Instrument	
XRMI-I Mandrel	BHVC	Radius type for borehole volume calcuations	Elliptical	
XRMI-I Mandrel	CCL	Caliper Correction Algorithm	None	
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	RMAX	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
ACRt Sonde	BHSM	Borehole Size Source Tool	XRMI-I Mandrel	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	
BOTTOM				
Data: ROCK_1-2310001 GTET-DSN-SDL-BSAT-XRMI-ACRTIDLE			Date: 16-Nov-16 17:05:01	

HALLIBURTON				
CALIBRATION REPORT				
NATURAL GAMMA RAY TOOL SHOP CALIBRATION				
Tool Name:	GTET - 11013114	Reference Calibration Date:	04-Oct-16 13:37:27	
Engineer:	MICHAEL RICHTER	Calibration Date:	06-Nov-16 09:30:14	
Software Version:	WL INSITE R5.0.5 (Build 8)	Calibration Version:	1	
Calibrator Source S/N: TB-146				
Calibrator API Reference:265.00 api				
Equivalent Calibrator API Reference:269.6 api				
	Measurement	Measured	Calibrated	Units
	Background	33.3	32.5	api
	Background + Calibrator	309.8	302.1	api
	Calibration	270.5	266.6	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name: GTET - 11013114

Reference Calibration Date: 06-Nov-16 09:30:14

Engineer: MICHAEL RICHTER

Calibration Date: 06-Nov-16 09:43:46

Software Version: WL INSITE R5.0.5 (Build 8)

Calibration Version: 1

Calibrator Source S/N: TB-146

Calibrator API Reference:265.00 api

Equivalent Calibrator API Reference:269.6 api

Field Verification	Shop	Field	Units
Background	32.5	33.0	api
Background + Calibrator	302.1	304.9	api
Calibrator	269.6	271.8	api

Shop	Field	Difference	Tolerance
269.6	271.8	-2.2	+/- 9.00

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name: ACRT Sonde - 11005908

Reference Calibration Date: 11-Feb-16 16:29:25

Engineer: COTHREN

Calibration Date: 12-Aug-16 13:26:15

Software Version: WL INSITE R5.0.0 (Build 4)

Calibration Version: 1

Host Tool Name: ACRt Instrument - 11026095

TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0135	1.05	0.95	1.0147	1.05	0.95	1.0138	1.05
A2 (50")	0.95	1.0132	1.05	0.95	1.0141	1.05	0.95	1.0145	1.05
A3 (29")	0.95	1.0168	1.05	0.95	1.0159	1.05	0.95	1.0125	1.05
A4 (17")	0.95	1.0187	1.05	0.95	1.0162	1.05	0.95	1.0159	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0102	1.05	0.95	1.0090	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9965	1.05	0.95	0.9948	1.05

SONDE OFFSET

Subarray	R12KHz	R36KHz	R72KHz
	(mmho/m)	(mmho/m)	(mmho/m)
A1 (80")	-1.059	-4.210	-5.543
A2 (50")	-2.329	-4.106	-4.965
A3 (29")	-14.294	-4.266	-3.590
A4 (17")	-94.979	-29.799	-24.810
A5 (10")	N/A	-110.669	-49.440
A6 (6")	N/A	354.482	178.239

TRANSMITTER CURRENT GAIN

Signal	Lower	R	Upper	Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K	0.6	0.96	1.3	Mud Cell	0.95	1.00	1.05
36K	1.0	1.95	2.0				
72K	1.0	1.29	2.0				

PASS/FAIL SUMMARY

GAIN RANGE CHK	PASS
SONDE OFFSET CHK	PASS

TOOL OK TO LOG

CALIBRATION SUMMARY

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11013114						
Gamma Ray Calibrator	269.6	271.8	-----	-2.2	+/- 9.00	api
ACRt Sonde-11005908						
Mud Cell	1.00	-----	-----	0	-----	ohm-m
Data: ROCK_1-23\0001 GTET-DSN-SDL-BSAT-XRMI-ACRT\IDLE Date: 16-Nov-16 17:01:50						

HALLIBURTON						
INPUTS, DELAYS AND FILTERS TABLE						
Mnemonic		Input Description	Delay (ft)	Filter Type	Filter Length (ft)	
Depth Panel						
TENS	Tension		0.00	NO		
Rwa / CrossPlot						
TPUL	Tension Pull		108.90	NO		
BS	Bit Size		108.90	NO		
HDIA	Measured Hole Diameter		0.00	NO		
CH_HOS						
DHTN	DownholeTension		0.00	BLK	0.000	
SP Sub						
PLTC	Plot Control Mask		103.14	NO		
SP	Spontaneous Potential		103.14	BLK	1.250	
SPR	Raw Spontaneous Potential		103.14	NO		
SPO	Spontaneous Potential Offset		103.14	NO		
GTET						
TPUL	Tension Pull		95.12	NO		
GR	Natural Gamma Ray API		95.12	TRI	1.750	
GRU	Unfiltered Natural Gamma Ray API		95.12	NO		
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution		95.12	W	1.416 , 0.750	
HDIA	Measured Hole Diameter		0.00	NO		
ACCZ	Accelerometer Z		0.00	BLK	0.083	
DEVI	Inclination		0.00	NO		
DSNT						
TPUL	Tension Pull		84.87	NO		
RNDS	Near Detector Telemetry Counts		84.97	BLK	1.417	
RFDS	Far Detector Telemetry Counts		85.72	TRI	0.583	
DNTT	DSN Tool Temperature		84.97	NO		
DSNS	DSN Tool Status		84.87	NO		
ERND	Near Detector Telemetry Counts EVR		84.97	BLK	0.000	
ERFD	Far Detector Telemetry Counts EVR		85.72	BLK	0.000	
ENTM	DSN Tool Temperature EVR		84.97	NO		
HDIA	Measured Hole Diameter		0.00	NO		
SDLT						
TPUL	Tension Pull		74.97	NO		
PCAL	Pad Caliper		74.97	TRI	0.250	
ACAL	Arm Caliper		74.97	TRI	0.250	
BSAT						
TPUL	Tension Pull		57.97	NO		
STAT	Status		57.97	NO		
DLXT	Delay Time		57.97	NO		

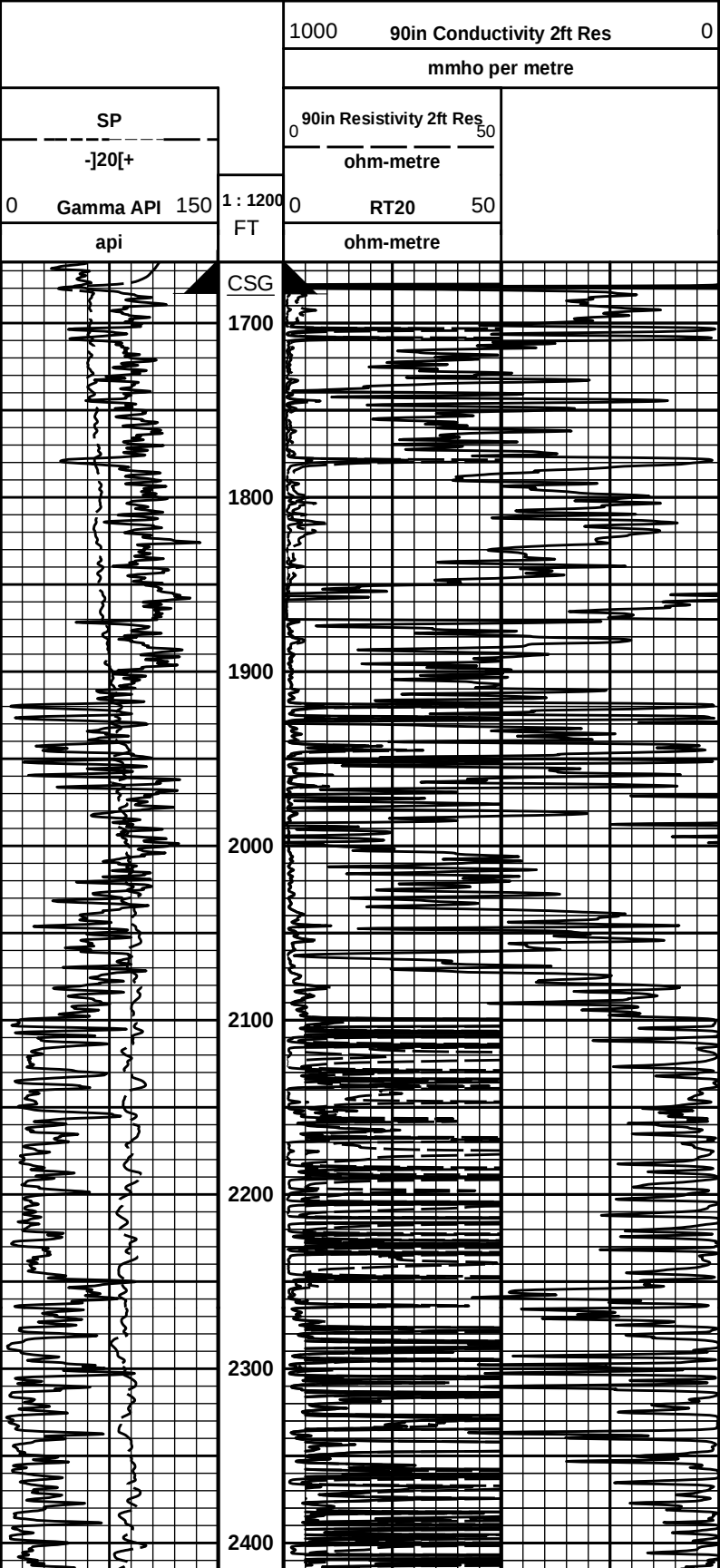
LETT	Delay Time	57.97	NO	
SI	Sample Interval	57.97	NO	
TXRX	Raw Telemetry 10 Receivers	57.97	NO	
FRMC	Tool Frame Count	57.97	NO	
GMOD	Gain processing mode	50.71	NO	
XRMI-I Mandrel				
TPUL	Tension Pull	28.02	NO	
PAD1	XRMI Pad 1 values	27.79	NO	
PAD2	XRMI Pad 2 values	27.79	NO	
PAD3	XRMI Pad 3 values	27.79	NO	
PAD4	XRMI Pad 4 values	27.79	NO	
PAD5	XRMI Pad 5 values	27.79	NO	
PAD6	XRMI Pad 6 values	27.79	NO	
OD1	EMI Odd Button Values Pad 1	27.79	NO	
OD2	EMI Odd Button Values Pad 2	28.02	NO	
OD3	EMI Odd Button Values Pad 3	27.79	NO	
OD4	EMI Odd Button Values Pad 4	28.02	NO	
OD5	EMI Odd Button Values Pad 5	27.79	NO	
OD6	EMI Odd Button Values Pad 6	28.02	NO	
EV1	EMI Even Button Values Pad 1	27.81	NO	
EV2	EMI Even Button Values Pad 2	27.99	NO	
EV3	EMI Even Button Values Pad 3	27.81	NO	
EV4	EMI Even Button Values Pad 4	27.99	NO	
EV5	EMI Even Button Values Pad 5	27.81	NO	
EV6	EMI Even Button Values Pad 6	27.99	NO	
ITMP	Instrument Temperature	25.25	NO	
EMIM	Tool Mode	25.25	NO	
HAZI	Hole Azimuth	27.54	NO	
HAZD	Hole Azimuth - Down Delay	28.04	NO	
ACCZ	Accelerometer Z	27.79	NO	
RB	Relative Bearing	27.54	NO	
RBD	Relative Bearing Down	28.04	NO	
TPUL	Tension Pull	28.02	NO	
FIR1	Current Button R - Pad 1	27.79	NO	
FIR2	Current Button R - Pad 2	28.02	NO	
FIR3	Current Button R - Pad 3	27.79	NO	
FIR4	Current Button R - Pad 4	28.02	NO	
FIR5	Current Button R - Pad 5	27.79	NO	
FIR6	Current Button R - Pad 6	28.02	NO	
FIX1	Current Button X - Pad 1	27.79	NO	
FIX2	Current Button X - Pad 2	28.02	NO	
FIX3	Current Button X - Pad 3	27.79	NO	
FIX4	Current Button X - Pad 4	28.02	NO	
FIX5	Current Button X - Pad 5	27.79	NO	
FIX6	Current Button X - Pad 6	28.02	NO	
SIR1	Current Slow Button R - Pad 1	27.79	BLK	3.000
SIR2	Current Slow Button R - Pad 2	28.02	BLK	3.000
SIR3	Current Slow Button R - Pad 3	27.79	BLK	3.000
SIR4	Current Slow Button R - Pad 4	28.02	BLK	3.000
SIR5	Current Slow Button R - Pad 5	27.79	BLK	3.000
SIR6	Current Slow Button R - Pad 6	28.02	BLK	3.000
SIX1	Current Slow Button X - Pad 1	27.79	BLK	3.000
SIX2	Current Slow Button X - Pad 2	28.02	BLK	3.000
SIX3	Current Slow Button X - Pad 3	27.79	BLK	3.000
SIX4	Current Slow Button X - Pad 4	28.02	BLK	3.000
SIX5	Current Slow Button X - Pad 5	27.79	BLK	3.000
SIX6	Current Slow Button X - Pad 6	28.02	BLK	3.000
EMMR	Phasor Voltage - Real Part	27.79	NO	

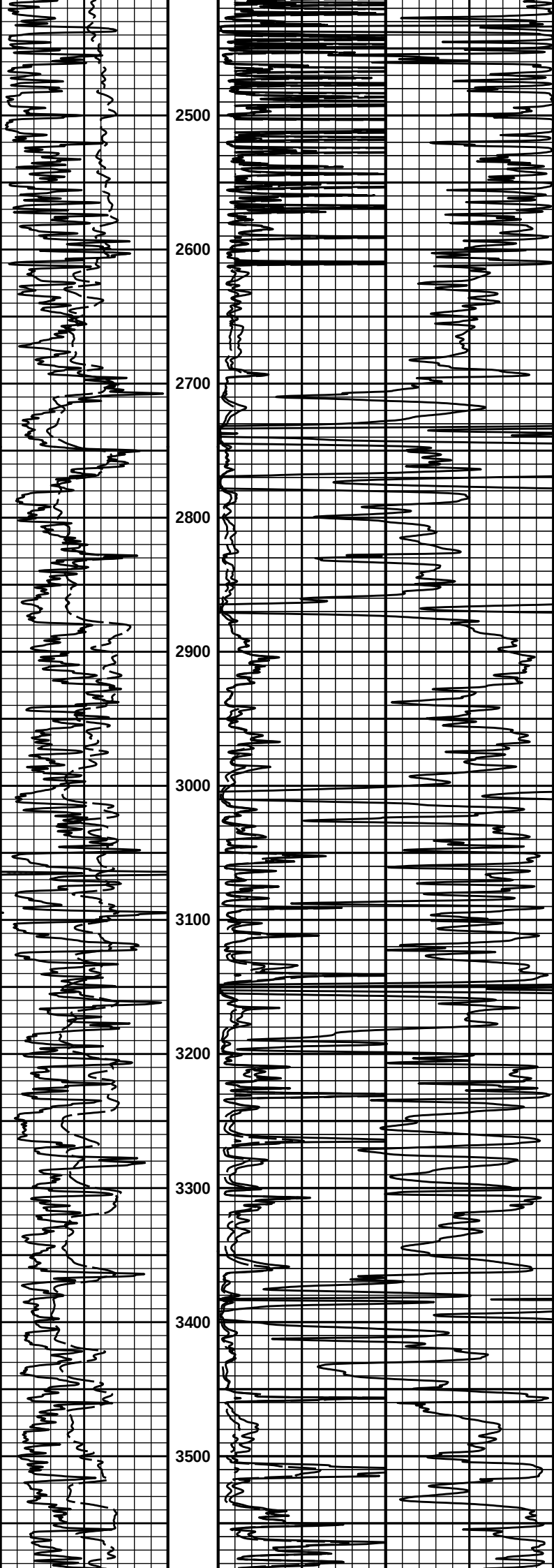
MMX	Phasor Voltage - Imaginary Part	27.79	NO	
PADV	Pad Voltage	25.25	BLK	0.250
ITMP	Instrument Temperature	25.25	BLK	0.000
CON1	Conductivity Pad 1	27.79	BLK	3.000
CON2	Conductivity Pad 2	28.02	BLK	3.000
CON3	Conductivity Pad 3	27.79	BLK	3.000
CON4	Conductivity Pad 4	28.02	BLK	3.000
CON5	Conductivity Pad 5	27.79	BLK	3.000
CON6	Conductivity Pad 6	28.02	BLK	3.000
UIR2	Current Button R No Delay - Pad 2	27.79	NO	
UIR4	Current Button R No Delay - Pad 4	27.79	NO	
UIR6	Current Button R No Delay - Pad 6	27.79	NO	
UIX2	Current Button X No Delay - Pad 2	27.79	NO	
UIX4	Current Button X No Delay - Pad 4	27.79	NO	
UIX6	Current Button X No Delay - Pad 6	27.79	NO	
HDIA	Measured Hole Diameter	0.00	NO	
TPUL	Tension Pull	28.02	NO	
ARM1	Caliper 1 measurement	27.79	BLK	0.000
ARM2	Caliper 2 measurement	27.79	BLK	0.000
ARM3	Caliper 3 measurement	27.79	BLK	0.000
ARM4	Caliper 4 measurement	27.79	BLK	0.000
ARM5	Caliper 5 measurement	27.79	BLK	0.000
ARM6	Caliper 6 measurement	27.79	BLK	0.000
MOTV	Motor Voltage 1	27.79	BLK	0.000
PRES	Caliper percentage of total compression of the spring	25.25	BLK	0.000
HAZI	Hole Azimuth	27.79	NO	
RB	Relative Bearing	27.79	NO	
AZI1	PAD1 Azimuth	27.79	NO	
DEVI	Inclination	27.79	NO	
ACRt Sonde				
TPUL	Tension Pull	2.73	NO	
F1R1	ACRT 12KHz - 80in R value	8.98	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	8.98	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.48	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.48	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	4.98	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	4.98	BLK	0.000
F1R4	ACRT 12KHz - 17in R value	3.98	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	3.98	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.48	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.48	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.23	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.23	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	8.98	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	8.98	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.48	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.48	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	4.98	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	4.98	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	3.98	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	3.98	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.48	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.48	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.23	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.23	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	8.98	BLK	0.000
F3X1	ACRT 72KHz - 80in X value	8.98	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.48	BLK	0.000

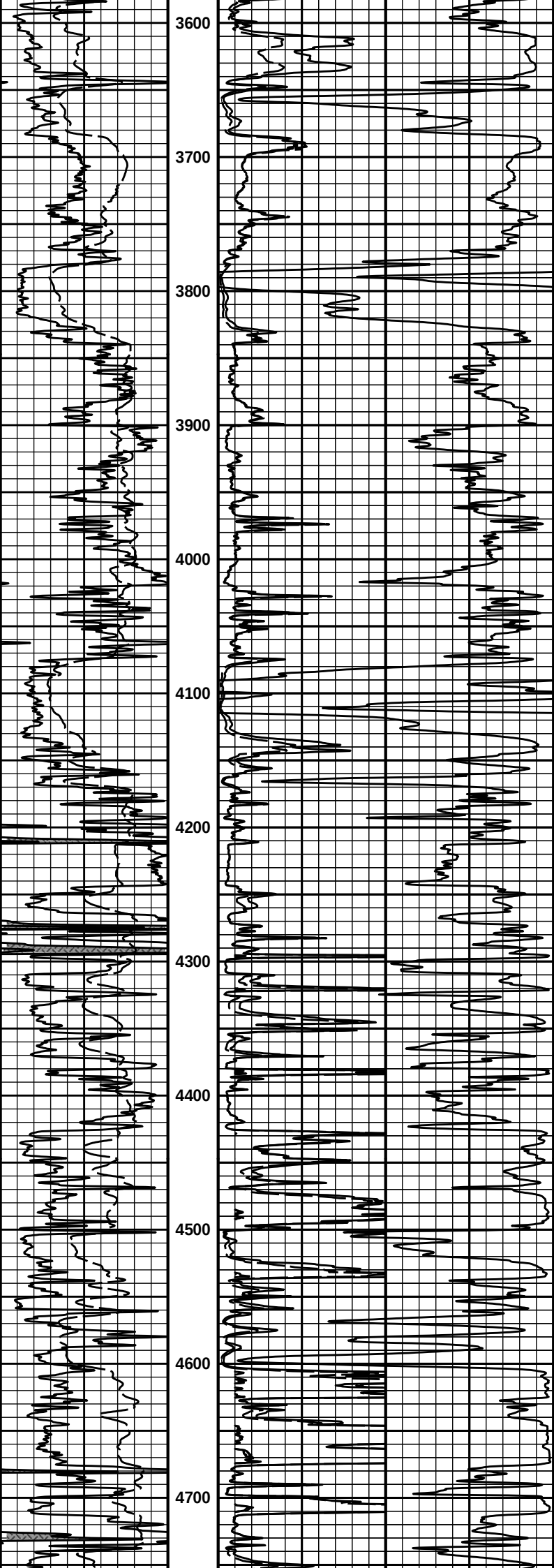
F3X2	ACRT 72KHz - 50in X value	6.48	BLK	0.000
F3R3	ACRT 72KHz - 29in R value	4.98	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	4.98	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	3.98	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	3.98	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.48	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.48	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.23	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.23	BLK	0.000
RMUD	Mud Resistivity	12.52	BLK	0.000
F1RT	Transmitter Reference 12 KHz Real Signal	2.73	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.73	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.73	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.73	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.73	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.73	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.73	BLK	0.000
TFPL	Lower Feedpipe Temperature Calculated	2.73	BLK	0.000
ITMP	Instrument Temperature	2.73	BLK	0.000
TCVA	Temperature Correction Values Loop Off	2.73	NO	
TIDV	Instrument Temperature Derivative	2.73	NO	
TUDV	Upper Temperature Derivative	2.73	NO	
TLDV	Lower Temperature Derivative	2.73	NO	
TRBD	Receiver Board Temperature	2.73	NO	
HDIA	Measured Hole Diameter	0.00	NO	
Microlog Pad				
TPUL	Tension Pull	75.16	NO	
MINV	Microlog Lateral	75.16	BLK	0.750
MNOR	Microlog Normal	75.16	BLK	0.750
SDLT Pad				
TPUL	Tension Pull	74.96	NO	
NAB	Near Above	74.79	BLK	0.920
NHI	Near Cesium High	74.79	BLK	0.920
NLO	Near Cesium Low	74.79	BLK	0.920
NVA	Near Valley	74.79	BLK	0.920
NBA	Near Barite	74.79	BLK	0.920
NDE	Near Density	74.79	BLK	0.920
NPK	Near Peak	74.79	BLK	0.920
NLI	Near Lithology	74.79	BLK	0.920
NBAU	Near Barite Unfiltered	74.79	BLK	0.250
NLIU	Near Lithology Unfiltered	74.79	BLK	0.250
FAB	Far Above	75.14	BLK	0.250
FHI	Far Cesium High	75.14	BLK	0.250
FLO	Far Cesium Low	75.14	BLK	0.250
FVA	Far Valley	75.14	BLK	0.250
FBA	Far Barite	75.14	BLK	0.250
FDE	Far Density	75.14	BLK	0.250
FPK	Far Peak	75.14	BLK	0.250
FLI	Far Lithology	75.14	BLK	0.250
PTMP	Pad Temperature	74.97	BLK	0.920
NHV	Near Detector High Voltage	74.37	NO	
FHV	Far Detector High Voltage	74.37	NO	
ITMP	Instrument Temperature	74.37	NO	
DDHV	Detector High Voltage	74.37	NO	
HDIA	Measured Hole Diameter	0.00	NO	

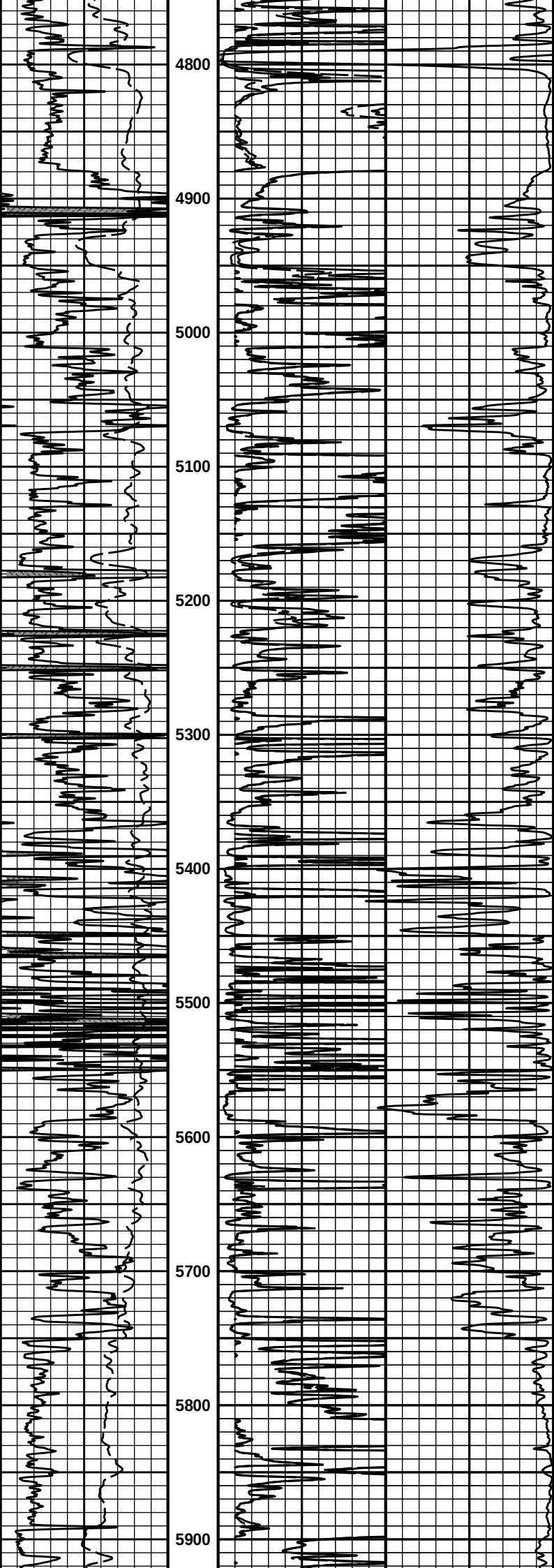
1 INCH MAIN LOG

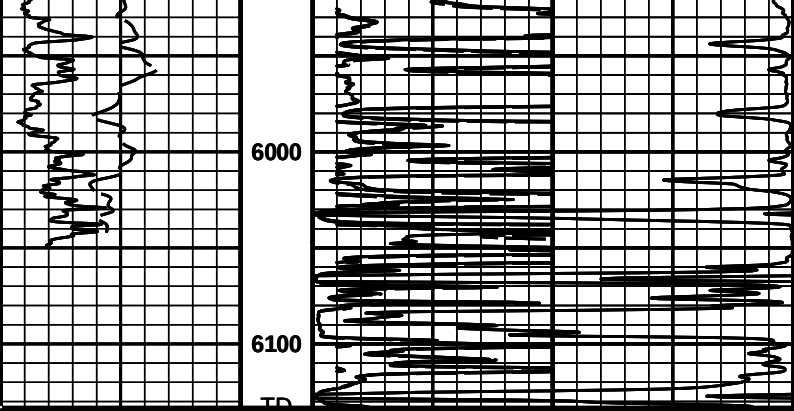
1 INCH CORRELATION LOG











0	Gamma API	150	1 : 1200	0	RT20	50	
	api		FT		ohm-metre		
	SP			0	90in Resistivity 2ft Res	50	
	-]20[+				ohm-metre		
				1000	90in Conductivity 2ft Res		0
					mmho per metre		

HALLIBURTON
Plot Time: 17-Nov-16 13:09:49
Plot Range: 1665 ft to 6133 ft
Data: ROCK_1-23\Well Based\DAQ-0001-004\
Plot File: \\LOCAL-ROCK_1-23\Well Based\ACRT\ACRT_1_main

1 INCH MAIN LOG

1 INCH CORRELATION LOG

COMPANY	RAYDON EXPLORATION INC.		
WELL	ROCK 1-23		
FIELD	KISMET		
COUNTY	SEWARD	STATE	KANSAS
HALLIBURTON		ARRAY COMPENSATED TRUE RESISTIVITY LOG	