

HALLIBURTON

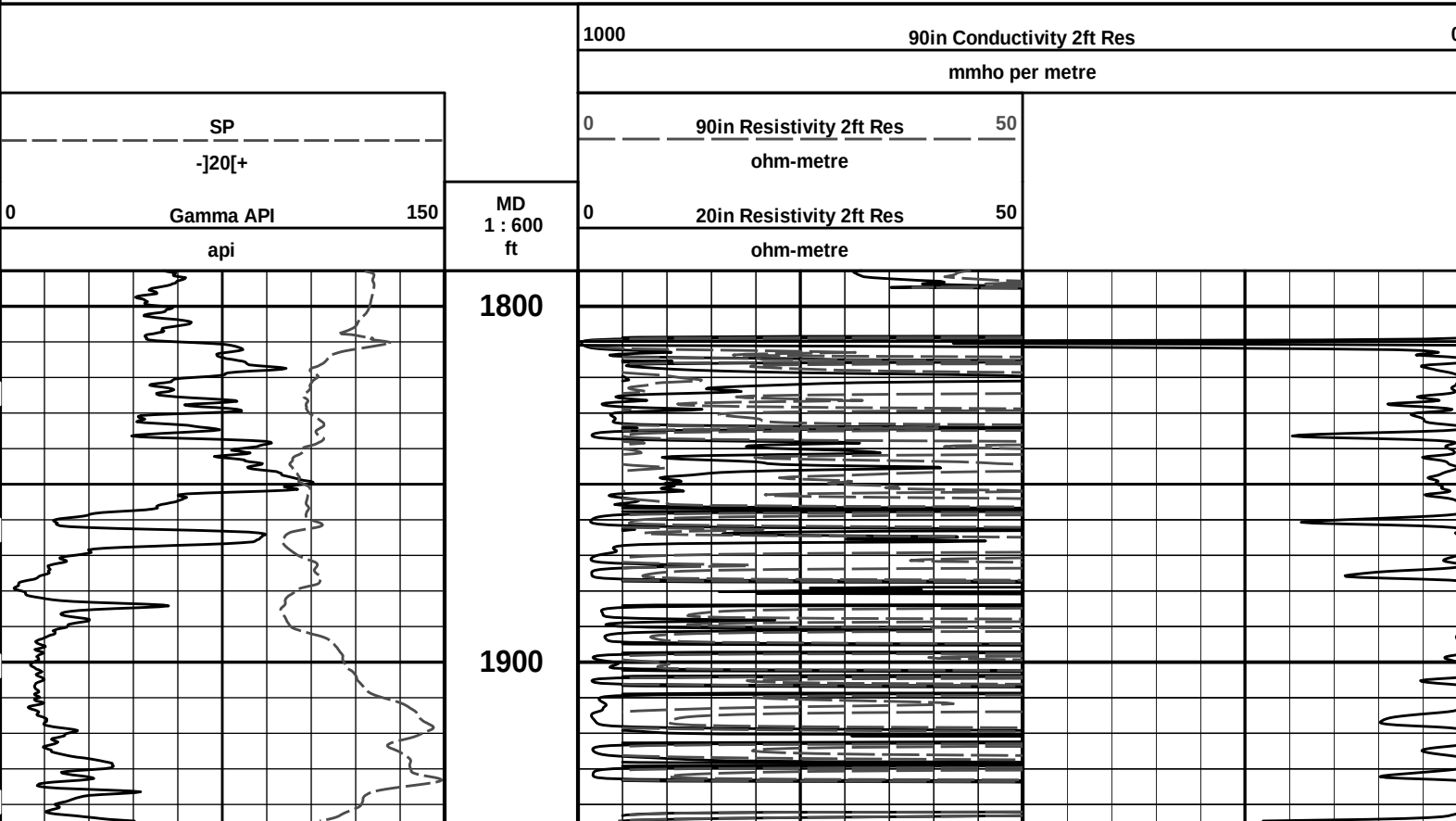
ARRAY COMPENSATED TRUE RESISTIVITY LOG

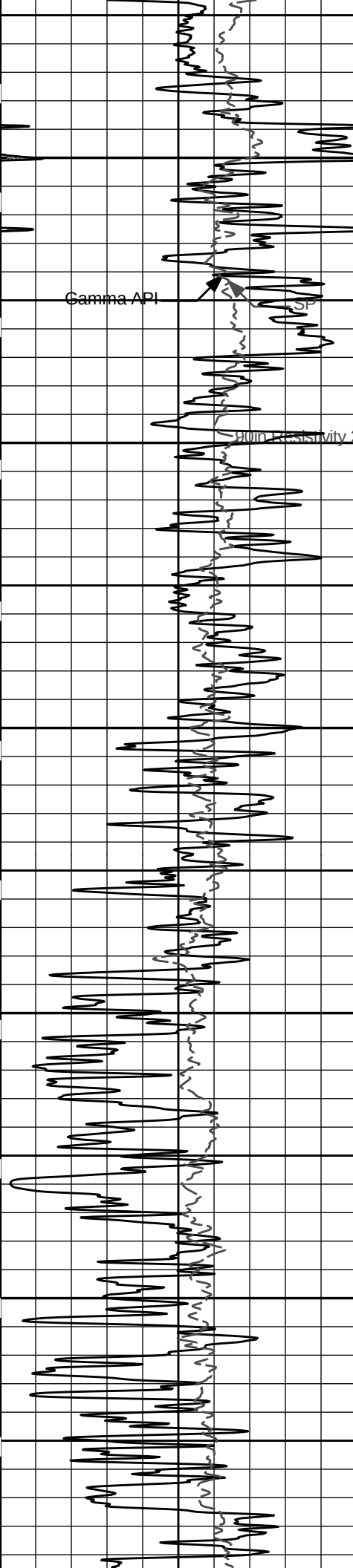
COMPANY										OXY USA INC									
WELL										GARDEN CITY T-2									
FIELD										GARDEN CITY									
COUNTY										FINNEY									
STATE										KANSAS									
COMPANY										OXY USA INC									
WELL										GARDEN CITY T-2									
FIELD										GARDEN CITY									
COUNTY										FINNEY									
STATE										KANSAS									
API No.										15-055-22127									
Location										954' FNL & 795' FEL									
Other Services: SDLT, DSNT BSAT MICROLOG																			
Permanent Datum										GL									
Log measured from										KB									
Drilling measured from										KB									
Date										04-Mar-12									
Run No.										ONE									
Depth - Driller										5120.00 ft									
Depth - Logger										5100.0 ft									
Bottom - Logged Interval										5090.0 ft									
Top - Logged Interval										1810.0 ft									
Casing - Driller										8.625 in @ 1819.0 ft									
Casing - Logger										1810.0 ft									
Bit Size										7.875 in @									
Type Fluid in Hole										WATER BASED MUD									
Density										9.2 ppq									
Viscosity										44.00 s/qt									
PH										10.00 pH									
Fluid Loss										8.8 cp/m									
Source of Sample										FLOW LINE									
Rm @ Meas. Temperature										1.660 ohmm @ 46.00 degF									
Rmf @ Meas. Temperature										1.75 ohmm @ 38.00 degF									
Rmc @ Meas. Temperature										2.200 ohmm @ 38.00 degF									
Source Rmf										Rmc									
MEAS										MEAS									
Rm @ BHT										0.71 ohmm @ 113.0 degF									
Time Since Circulation										12.0 hr									
Time on Bottom										04-Mar-12 00:42									
Max. Rec. Temperature										113.0 degF @ 5100.0 ft									
Equipment										Location									
10546696										LIBERAL									
Recorded By										J. BOLLOM									
C. HAVERKAMP																			
Witnessed By										A. GARNER									
D. PRATT																			

Fold here

Service Ticket No.: 9323210						API Serial No.: 15-055-22127						PGM Version: WL INSITE R3.4.2 (Build 2)																	
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE												RESISTIVITY SCALE CHANGES																	
Date		Sample No.										Type Log		Depth		Scale Up Hole				Scale Down Hole									
Depth-Driller																													
Type Fluid in Hole																													
Density		Viscosity																											
Ph		Fluid Loss																											
Source of Sample												RESISTIVITY EQUIPMENT DATA																	
Rm @ Meas. Temp				@				@				Run No.		Tool Type & No.				Pad Type				Tool Pos.				Other			
Rmf @ Meas. Temp.				@				@				ONE		ACRT				N/A				1.5 S.O.				N/A			
Rmc @ Meas. Temp.				@				@						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.		11039640				Serial No.						Serial No.						Serial No.											
Model No.		GTET				Model No.						Model No.						Model No.											
Diameter		3.625"				No. of Cent.						Diameter						Diameter											
Detector Model No.		GTET				Spacing						Log Type						Log Type											
Type		SCINT										Source Type						Source Type											
Length		8'				LSA [Y/N]						Serial No.						Serial No.											
Distance to Source		10'				FWDA [Y/N]						Strength						Strength											

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	5100	1810	REC	0	150									
DIRECTIONAL INFORMATION														
Maximum Deviation @								KOP @						
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5-INCH CASING														
LCM REPORTED AT 2 LB/BBL														
CHLORIDES REPORTED 1700 MG/L														
POST TOOL SURVEYS NOT PERFORMED DUE TO TEMPERATURE														
TODAY'S 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.														
HALLIBURTON														





Gamma API

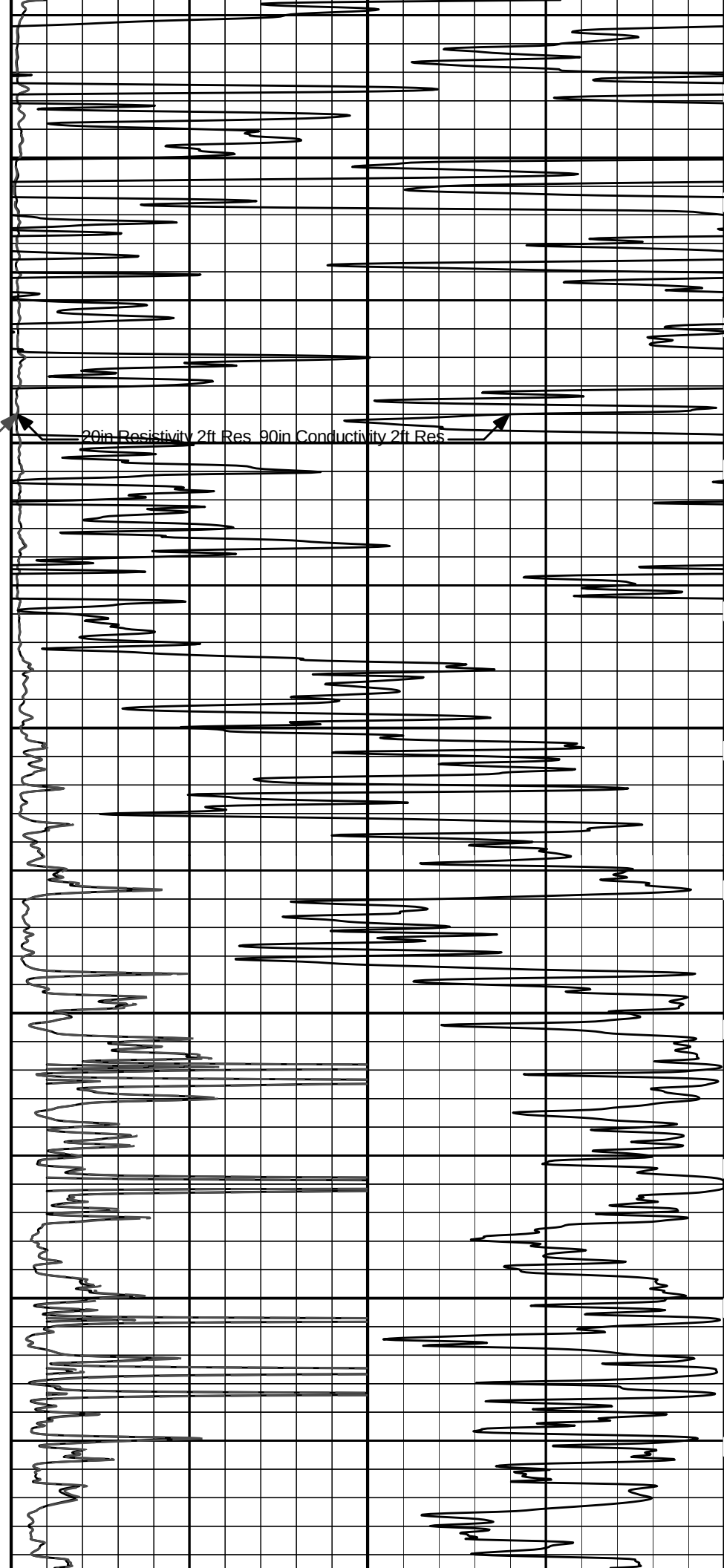
2000

2100

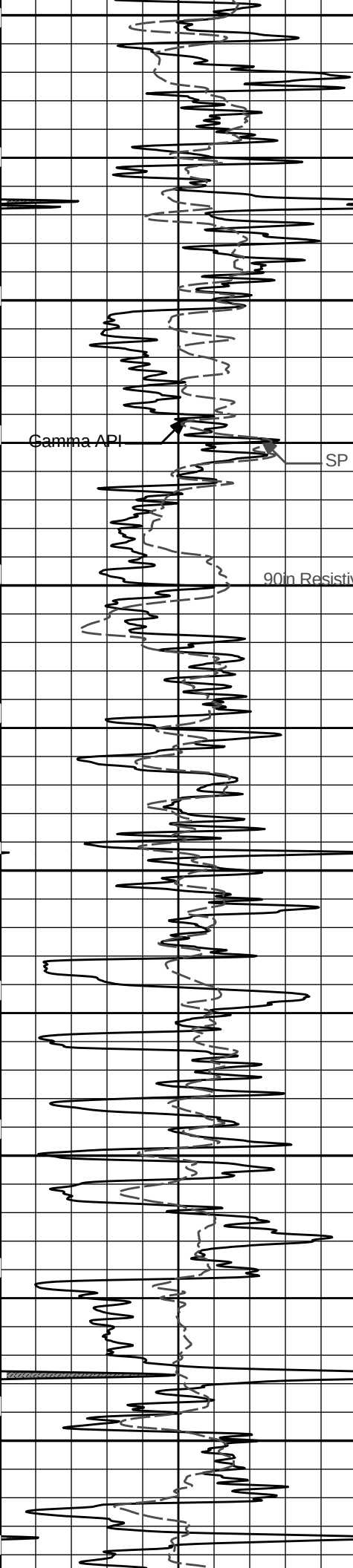
2200

2300

2400



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

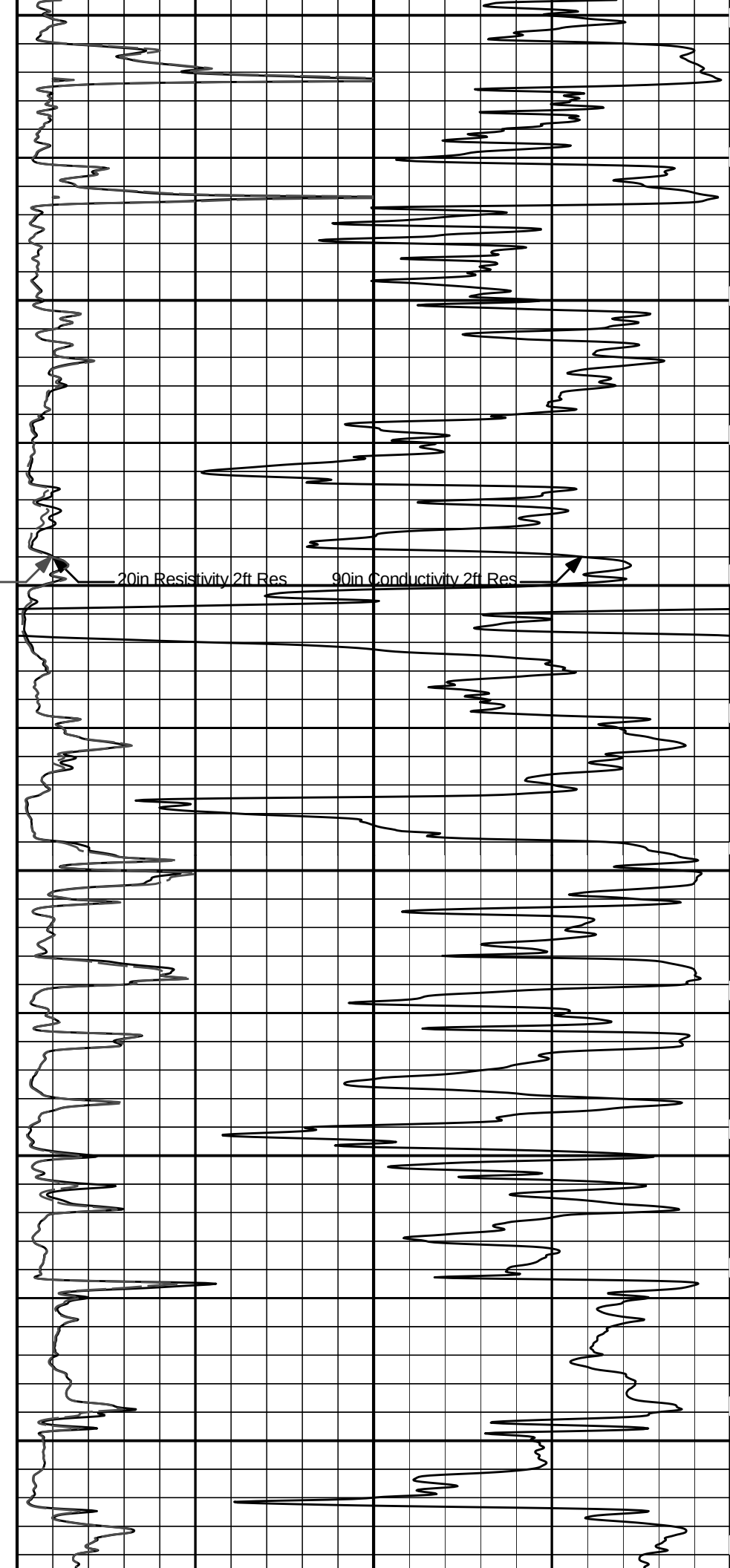


Gamma API

SP

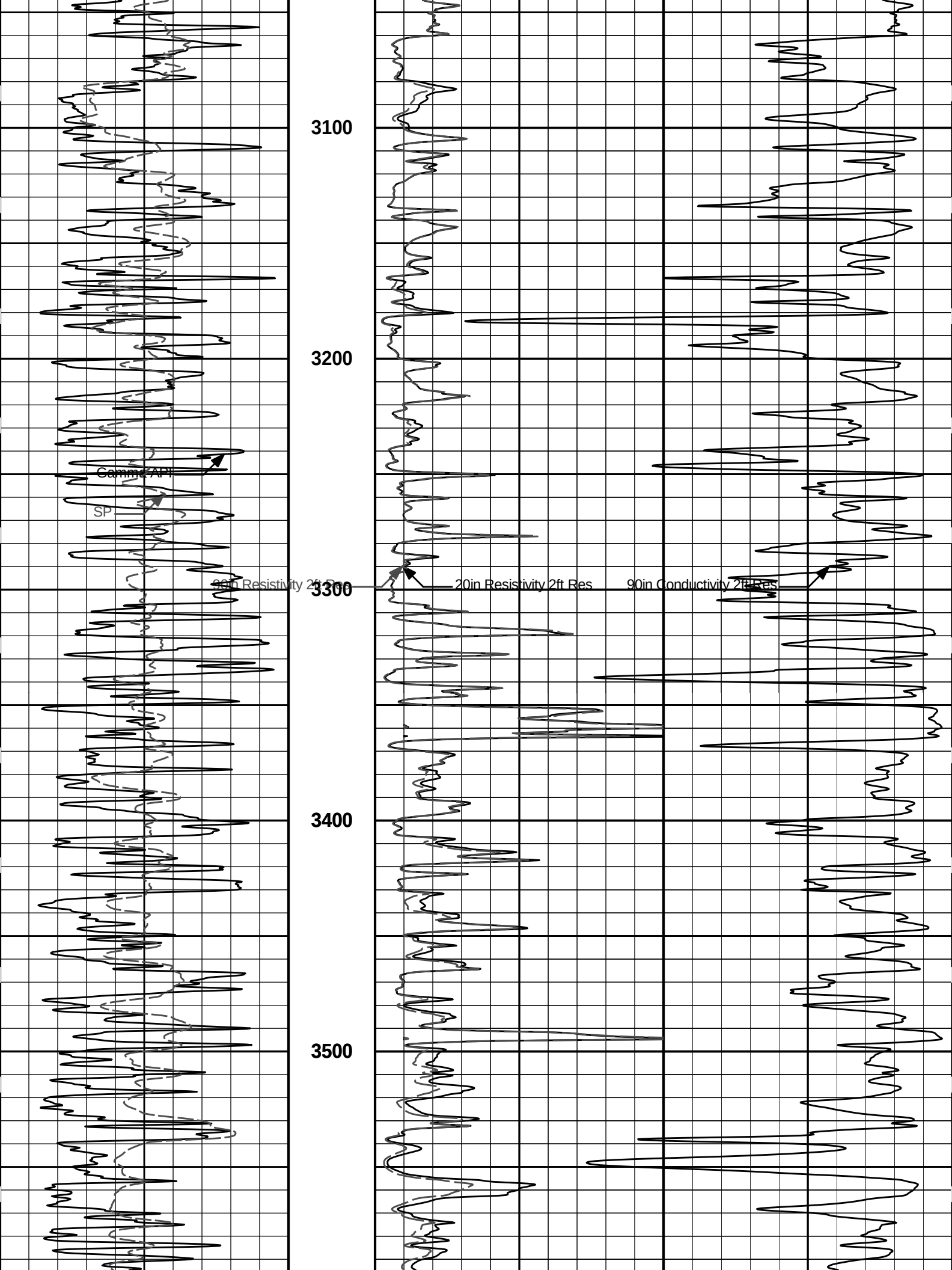
90in Resistivity

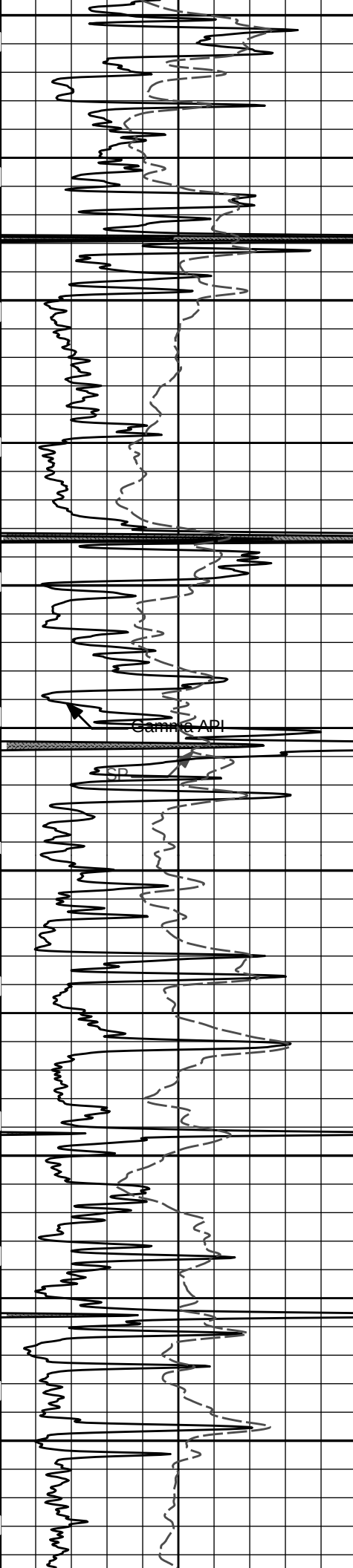
2500
2600
2700
2800
2900
3000



20in Resistivity/2ft Res

90in Conductivity 2ft Res





3600

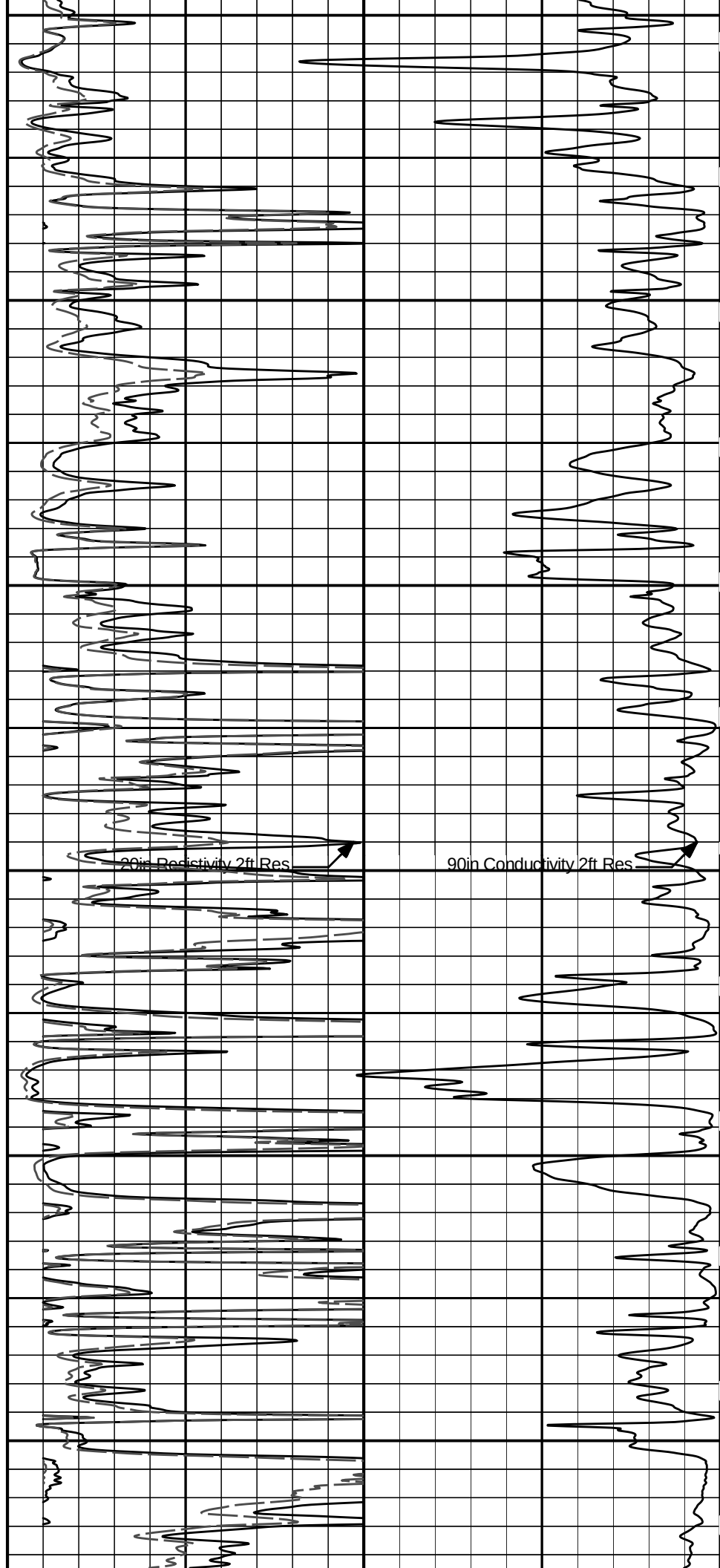
3700

3800

3900

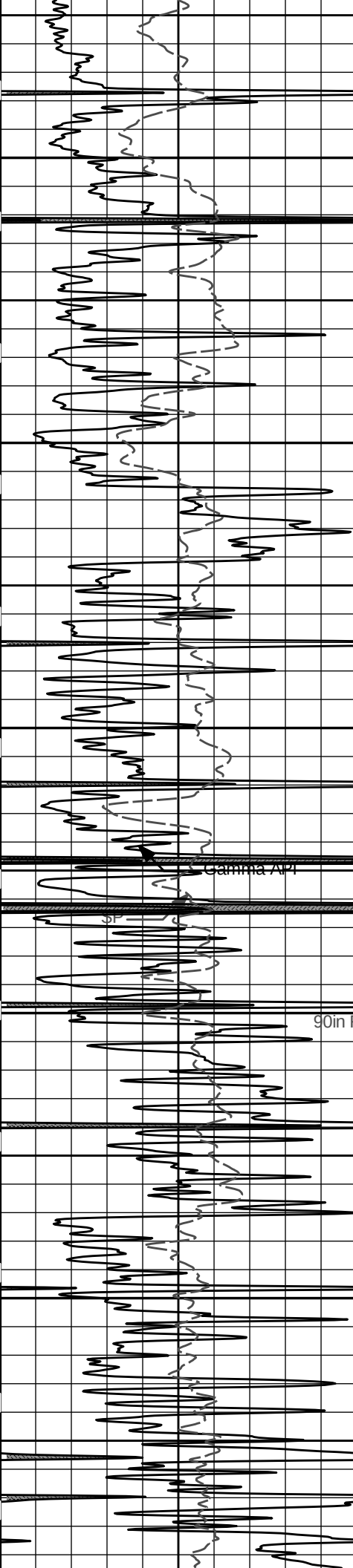
4000

4100



20in Resistivity 2ft Res

90in Conductivity 2ft Res



4200

4300

4400

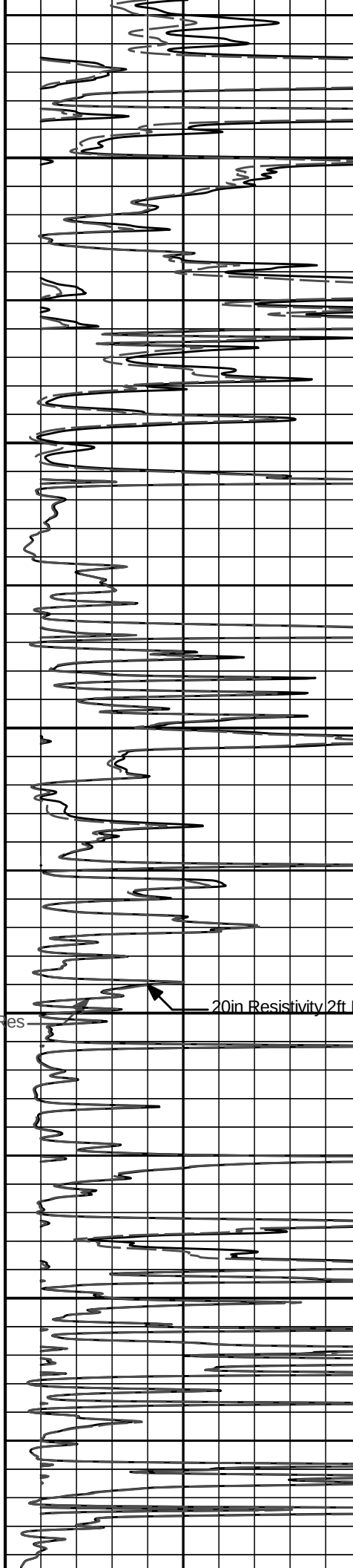
4500

4600

Gamma API

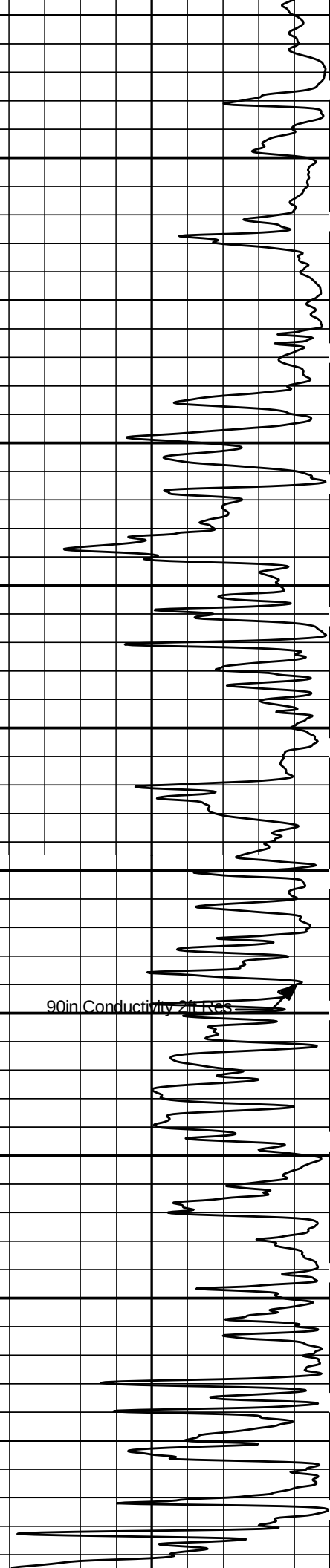
SP

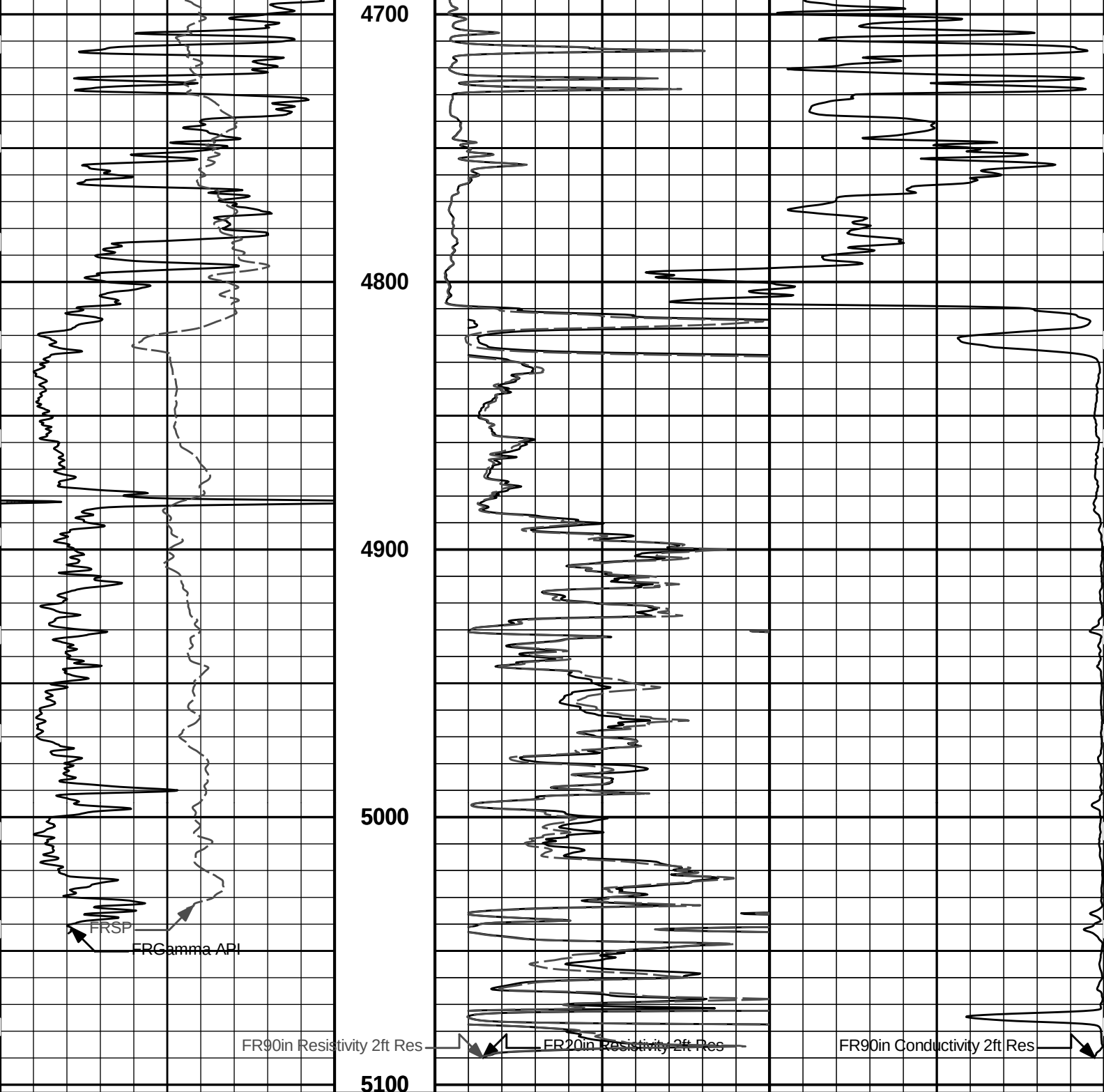
90in Resistivity 2ft Res



20in Resistivity 2ft Res

90in Conductivity 2ft Res



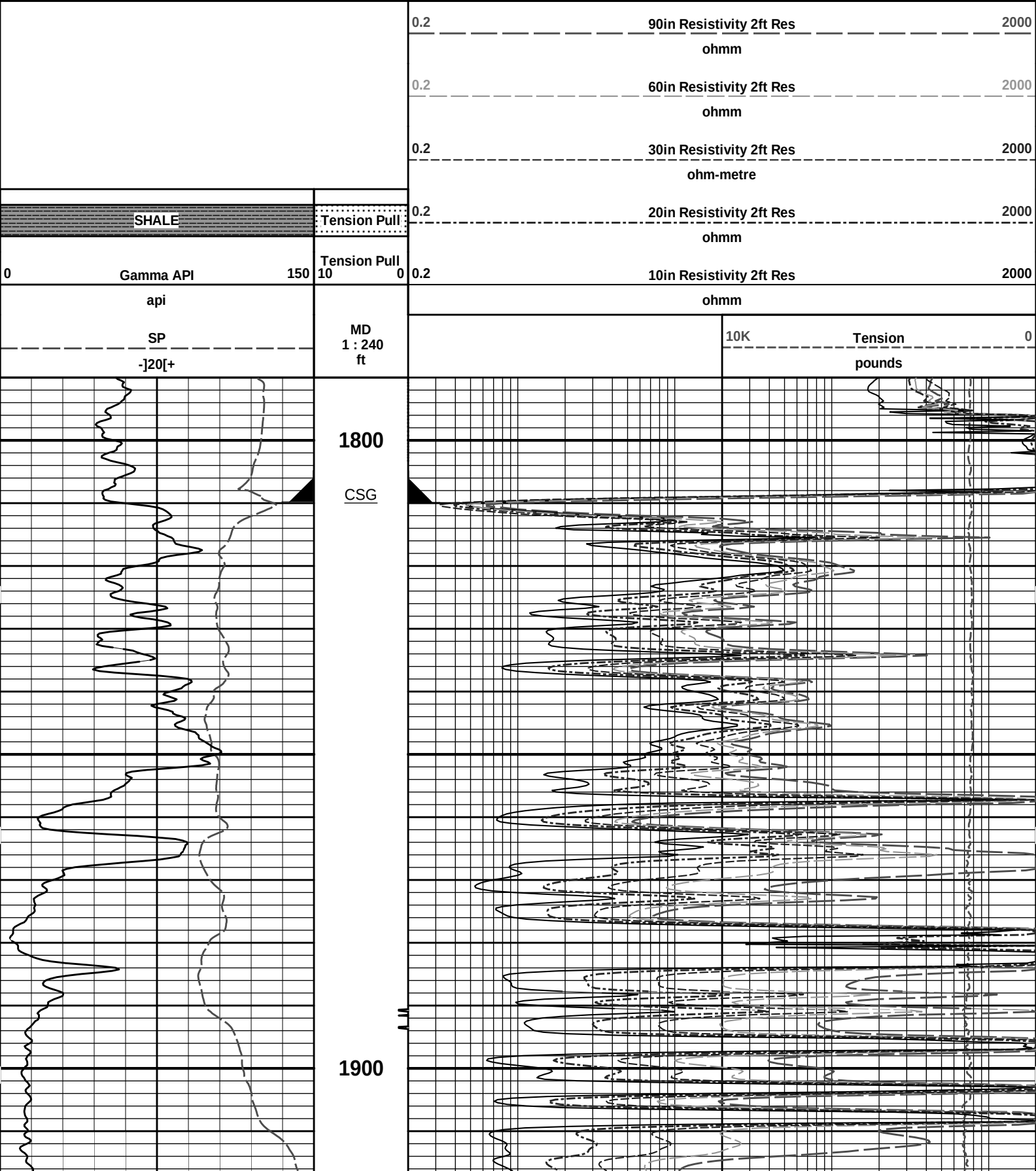


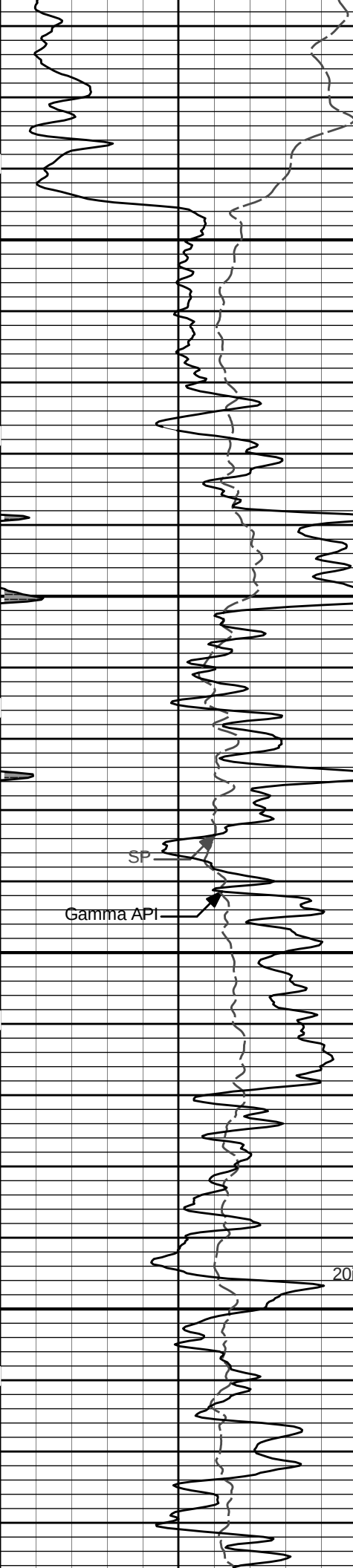
0Gamma API150			MD 1 : 600 ft	020in Resistivity 2ft Res50			
api				ohm-metre			
SP				090in Resistivity 2ft Res50			
-]20[+				ohm-metre			
			100090in Conductivity 2ft Res0				
			mmho per metre				

HALLIBURTON

Plot Time: 04-Mar-12 04:49:32
Plot Range: 1790 ft to 5103 ft
Data: GARDEN_CITY_T_2\Well Based\DETAIL\
Plot File: \\LOCAL-IGARDEN_CITY_T_2\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\ACRT_2.lib

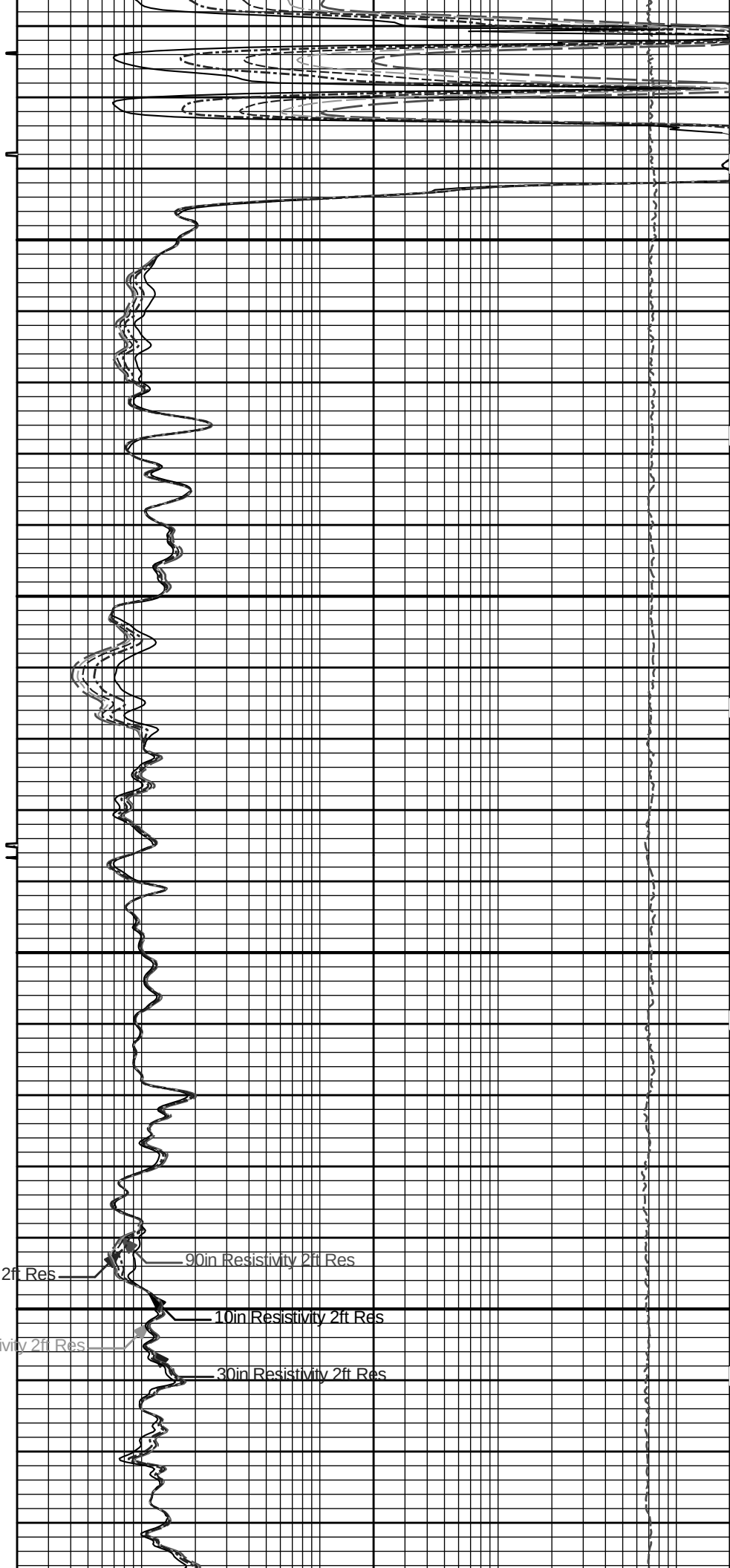
5 INCH MAIN LOG





2000

2100



SP

Gamma API

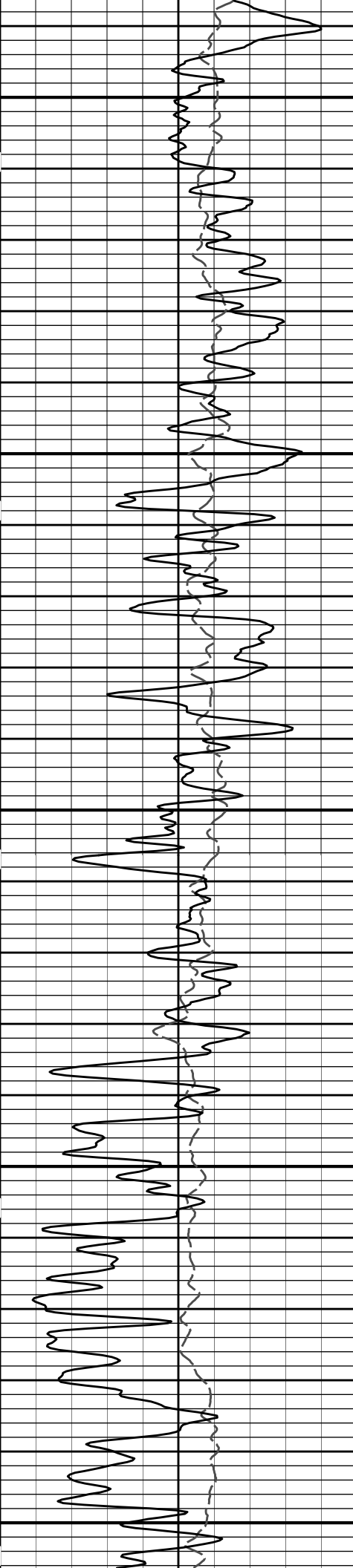
20in Resistivity 2ft Res

90in Resistivity 2ft Res

10in Resistivity 2ft Res

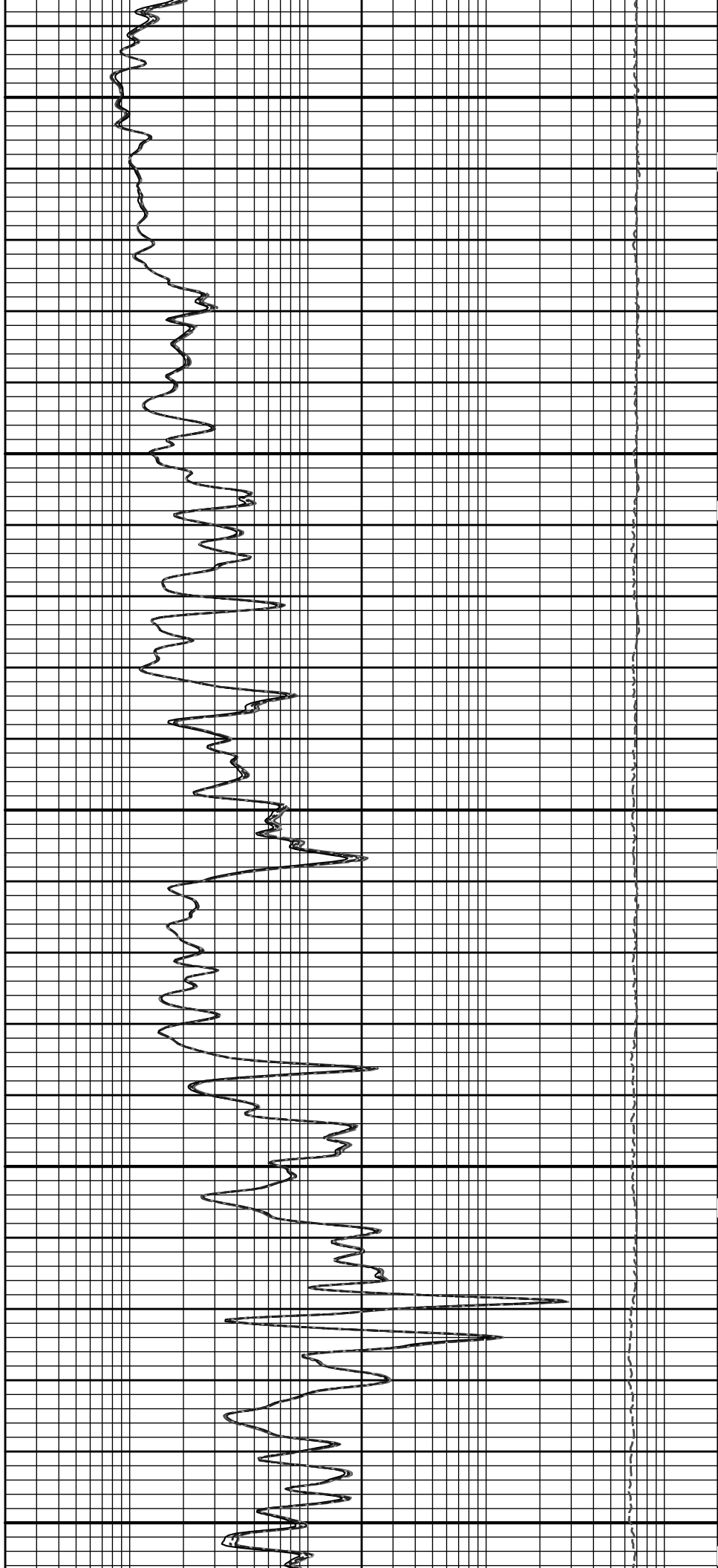
60in Resistivity 2ft Res

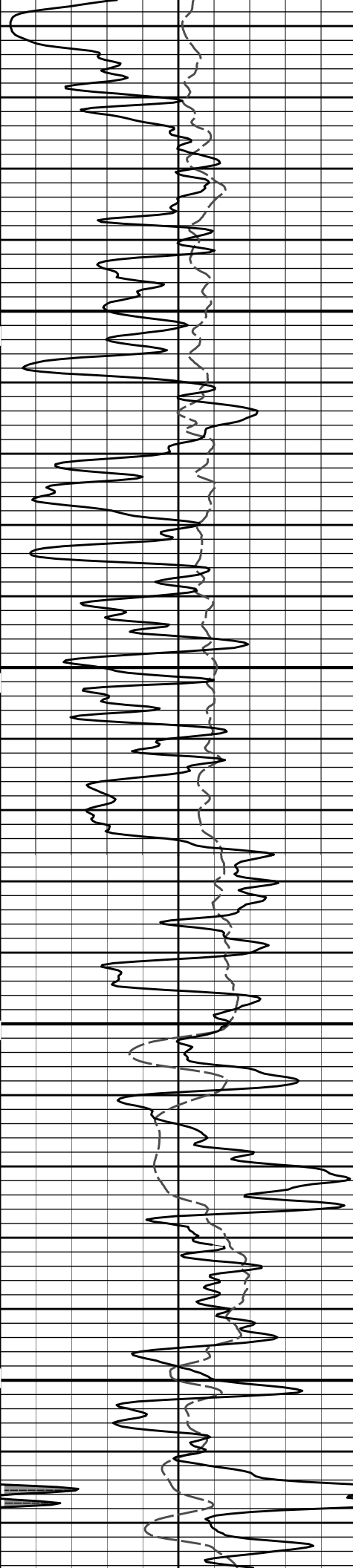
30in Resistivity 2ft Res



2200

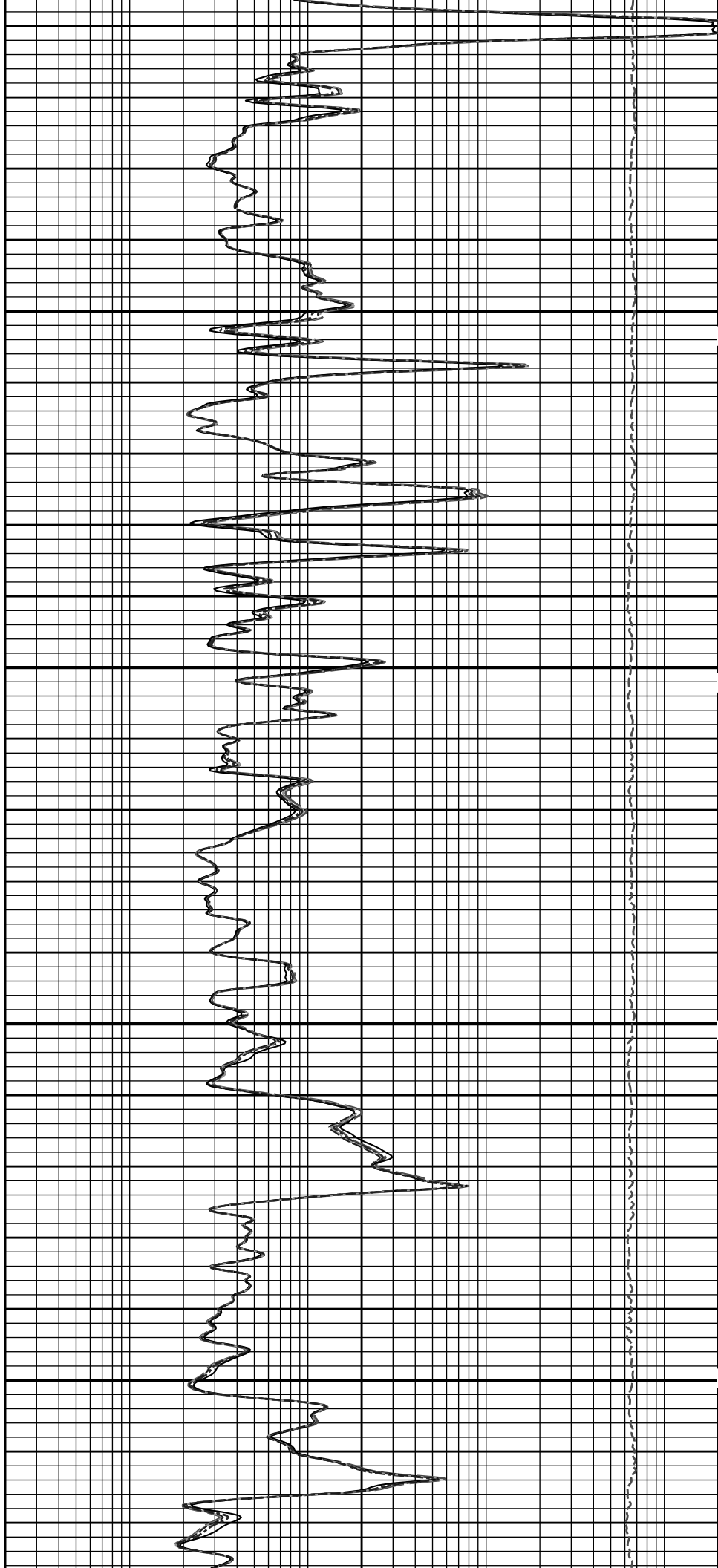
2300

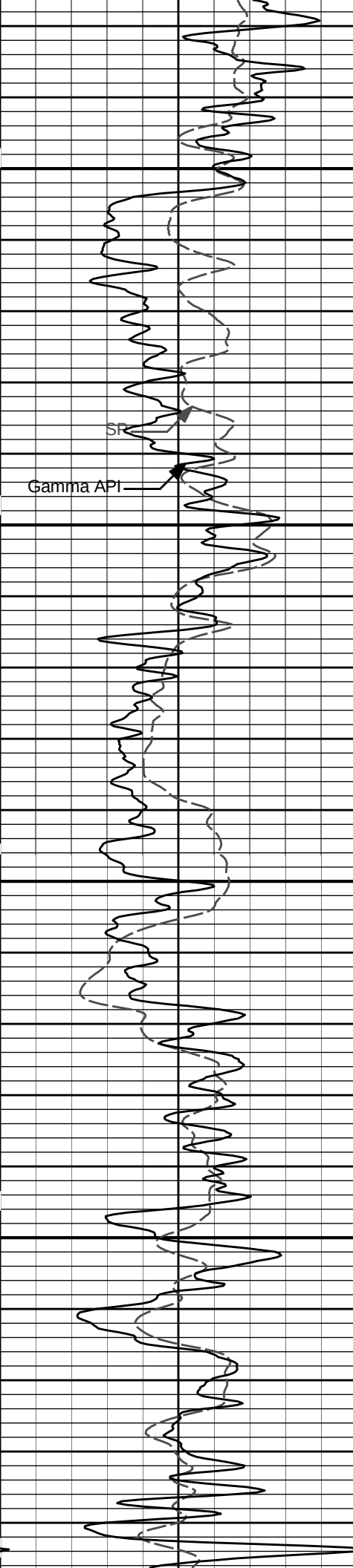




2400

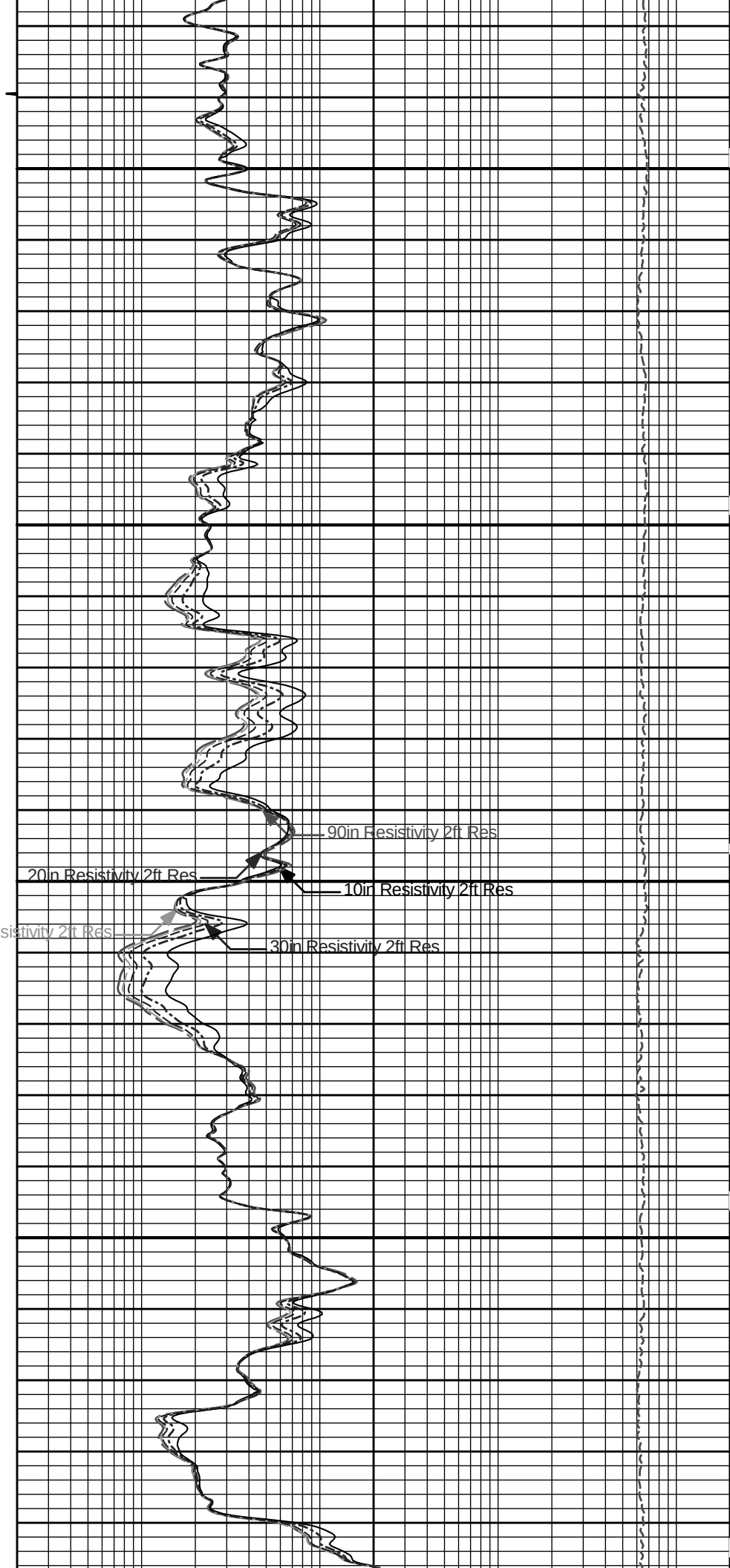
2500

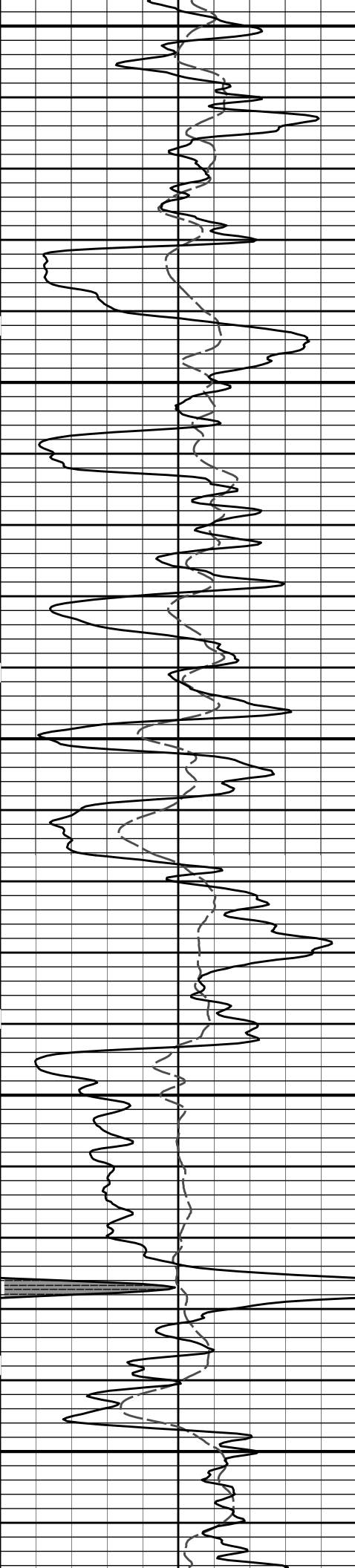




2600

2700

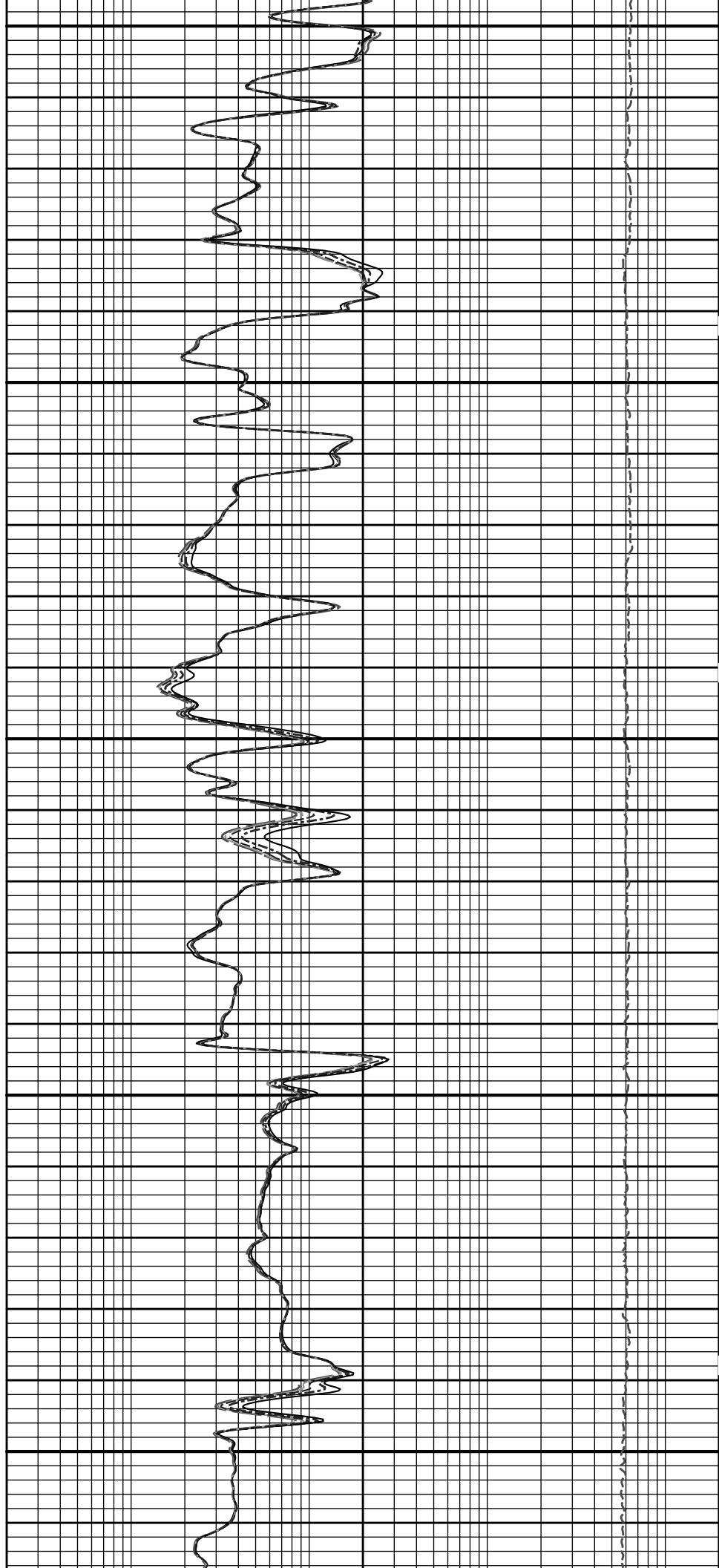


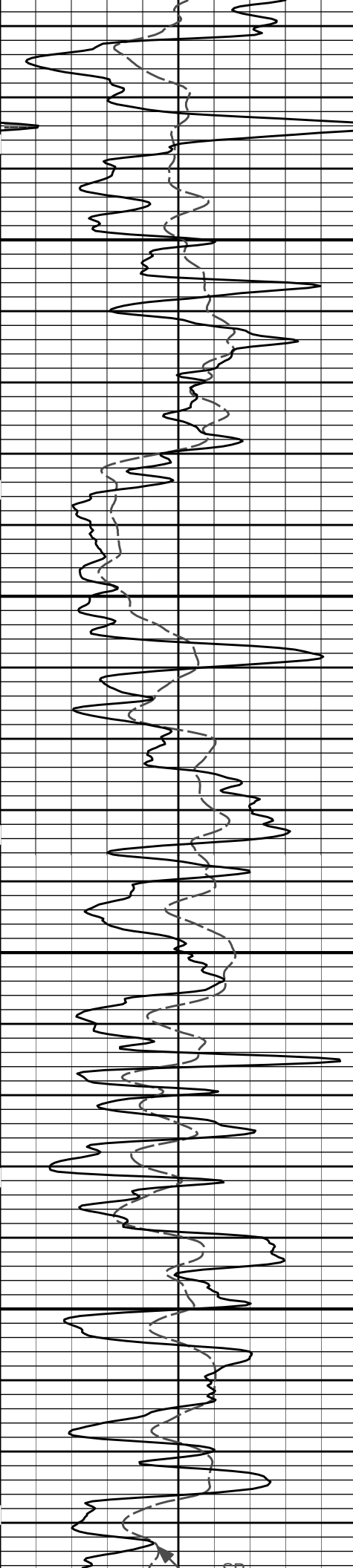


2800

2900

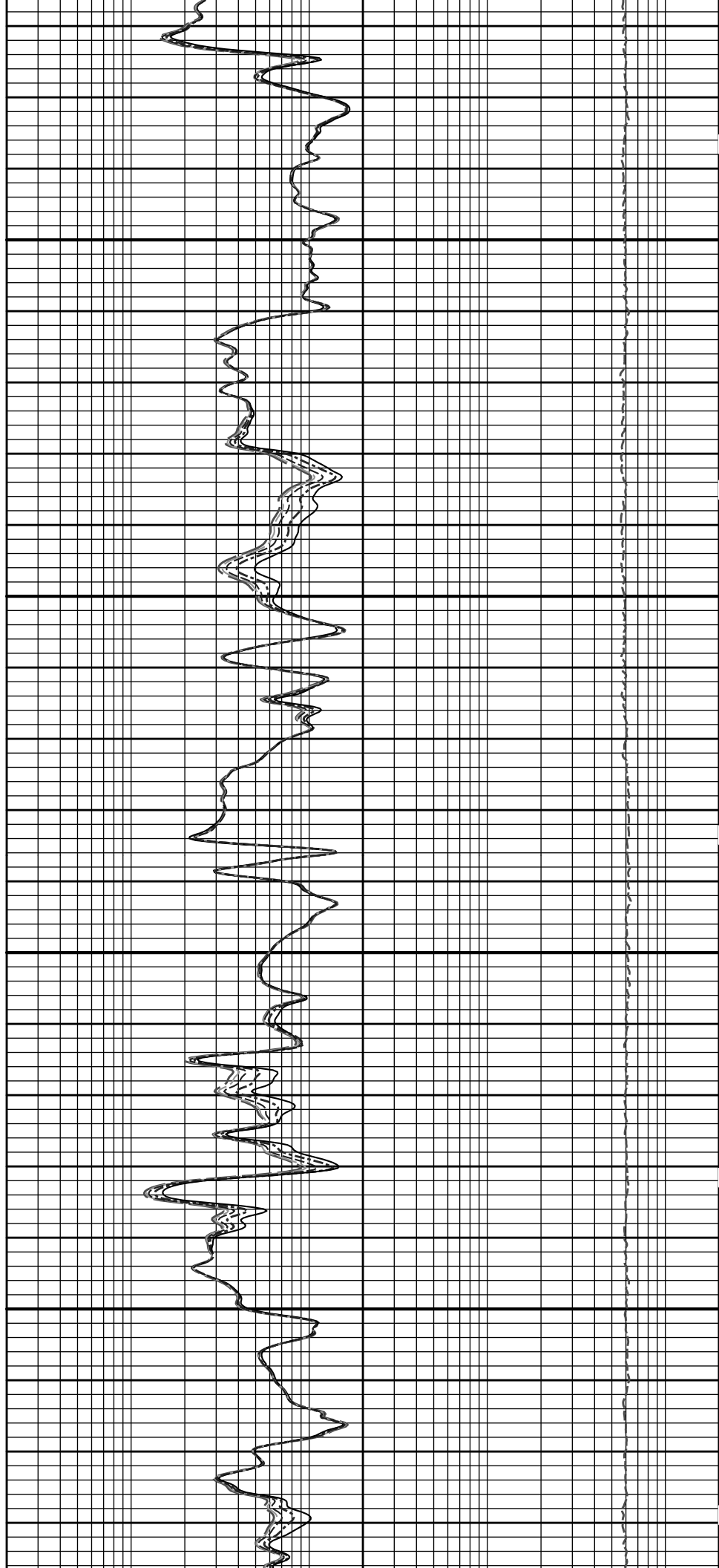
3000





3100

3200



3300

3400

Gamma API

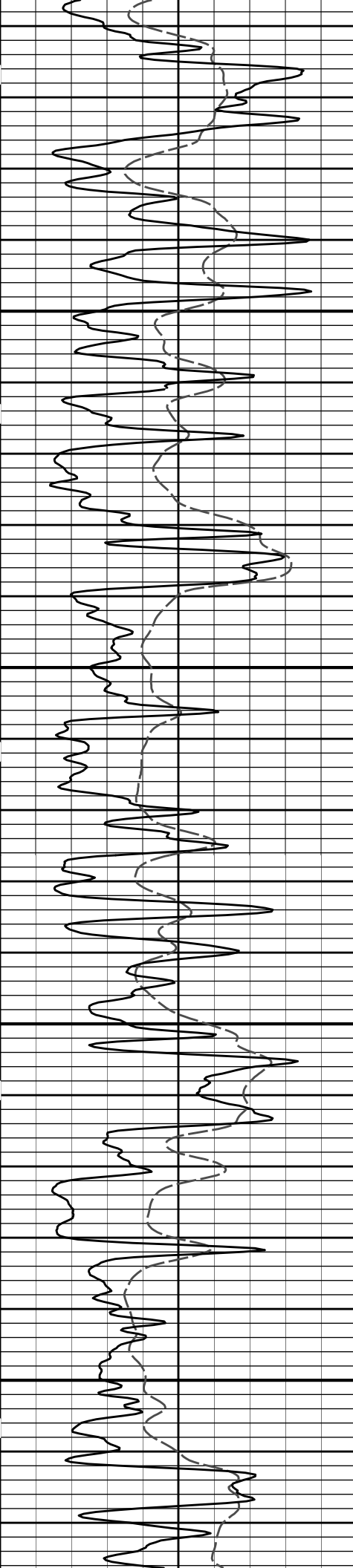
20in Resistivity 2ft Res

90in Resistivity 2ft Res

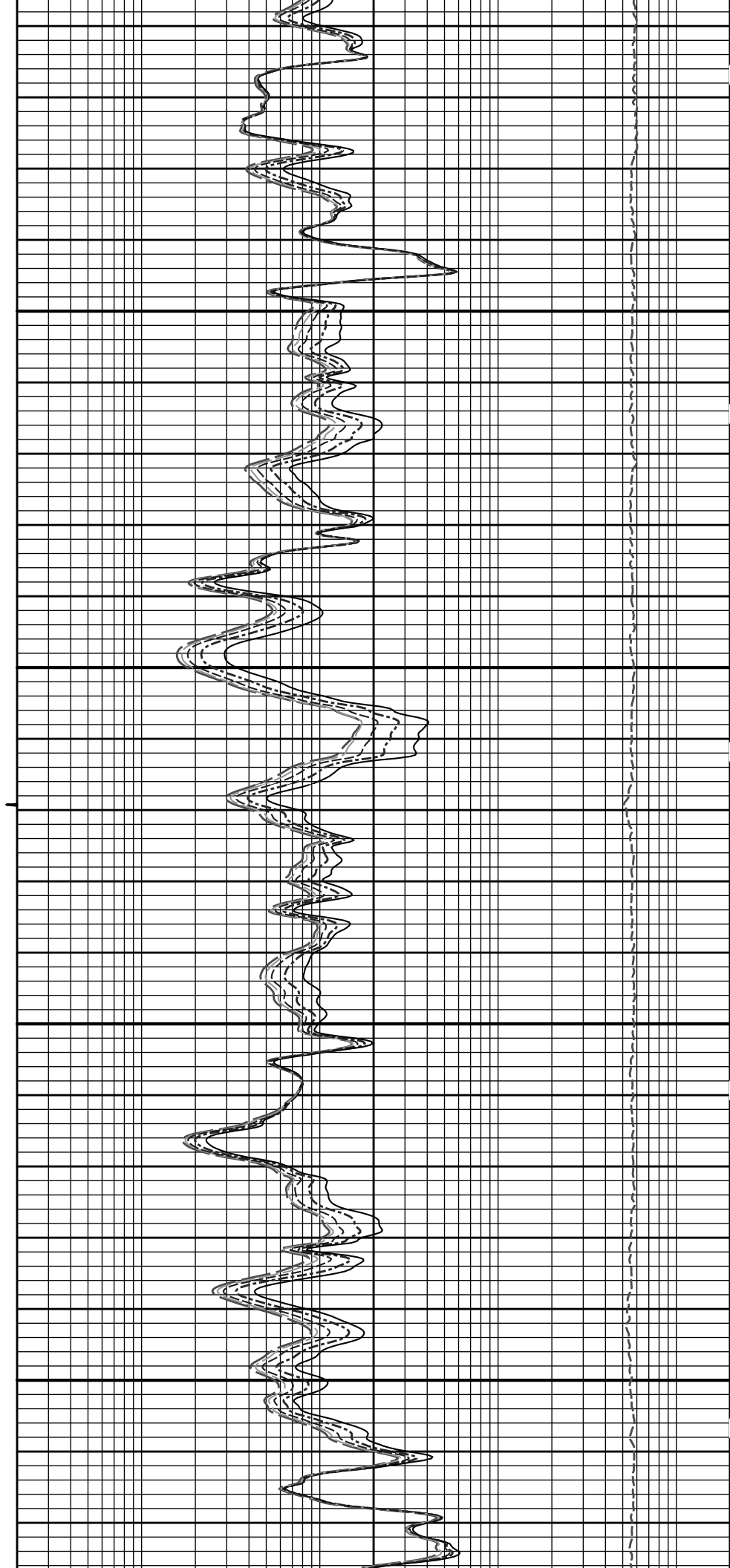
10in Resistivity 2ft Res

6in Resistivity 2ft Res

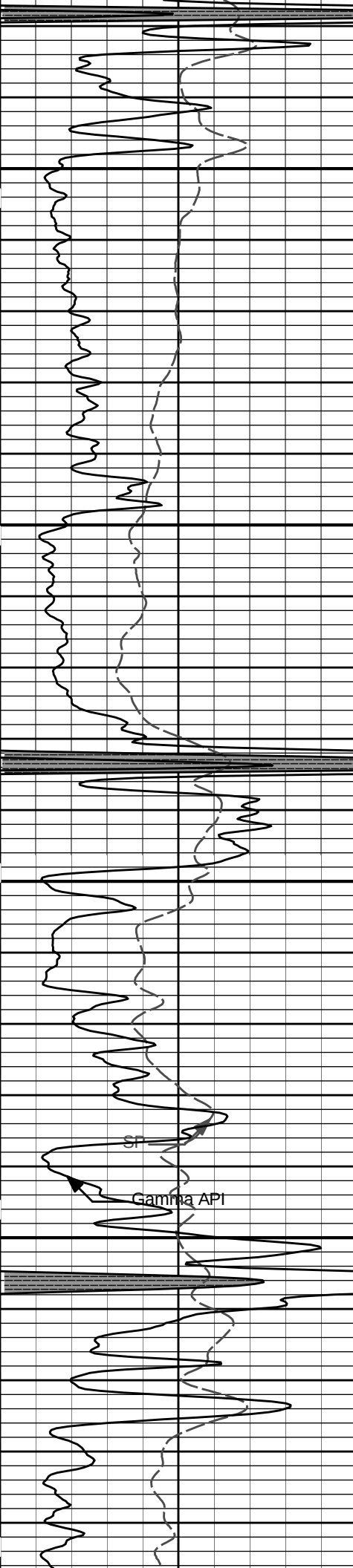
30in Resistivity 2ft Res



3500

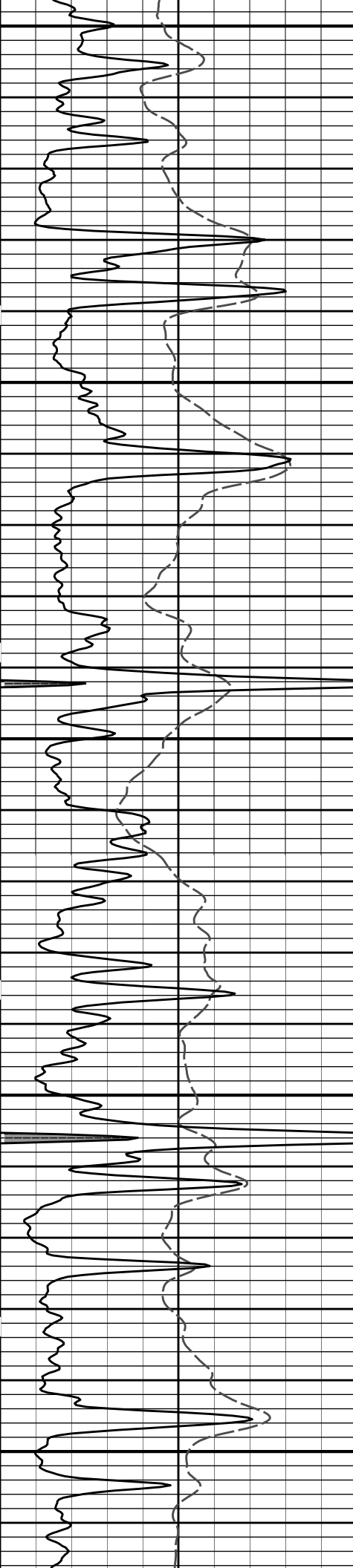


3600



3700

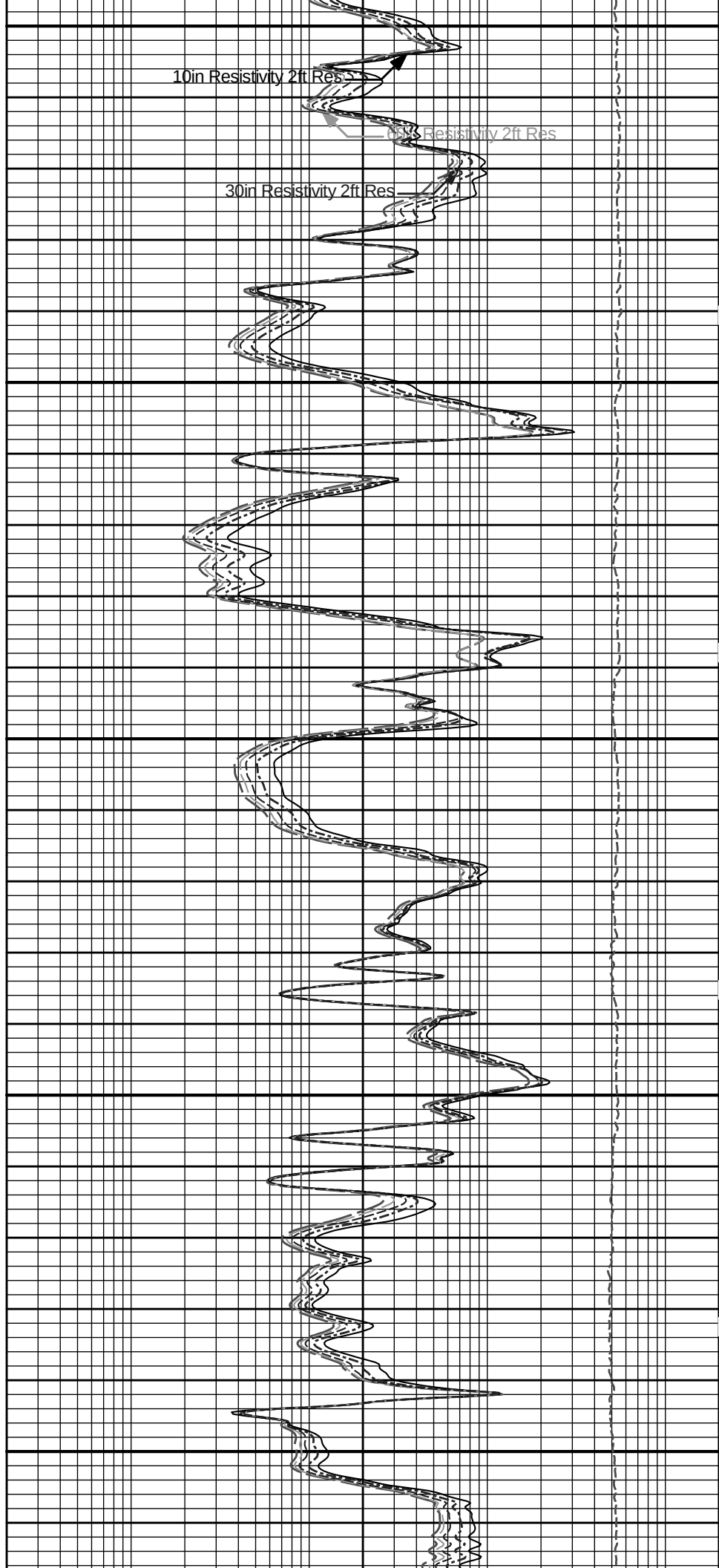
3800

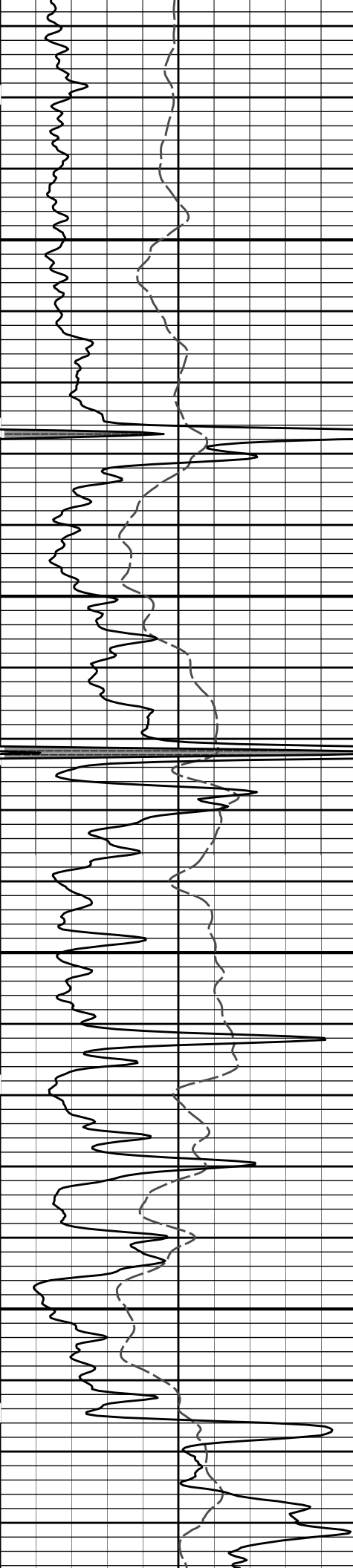


3900

4000

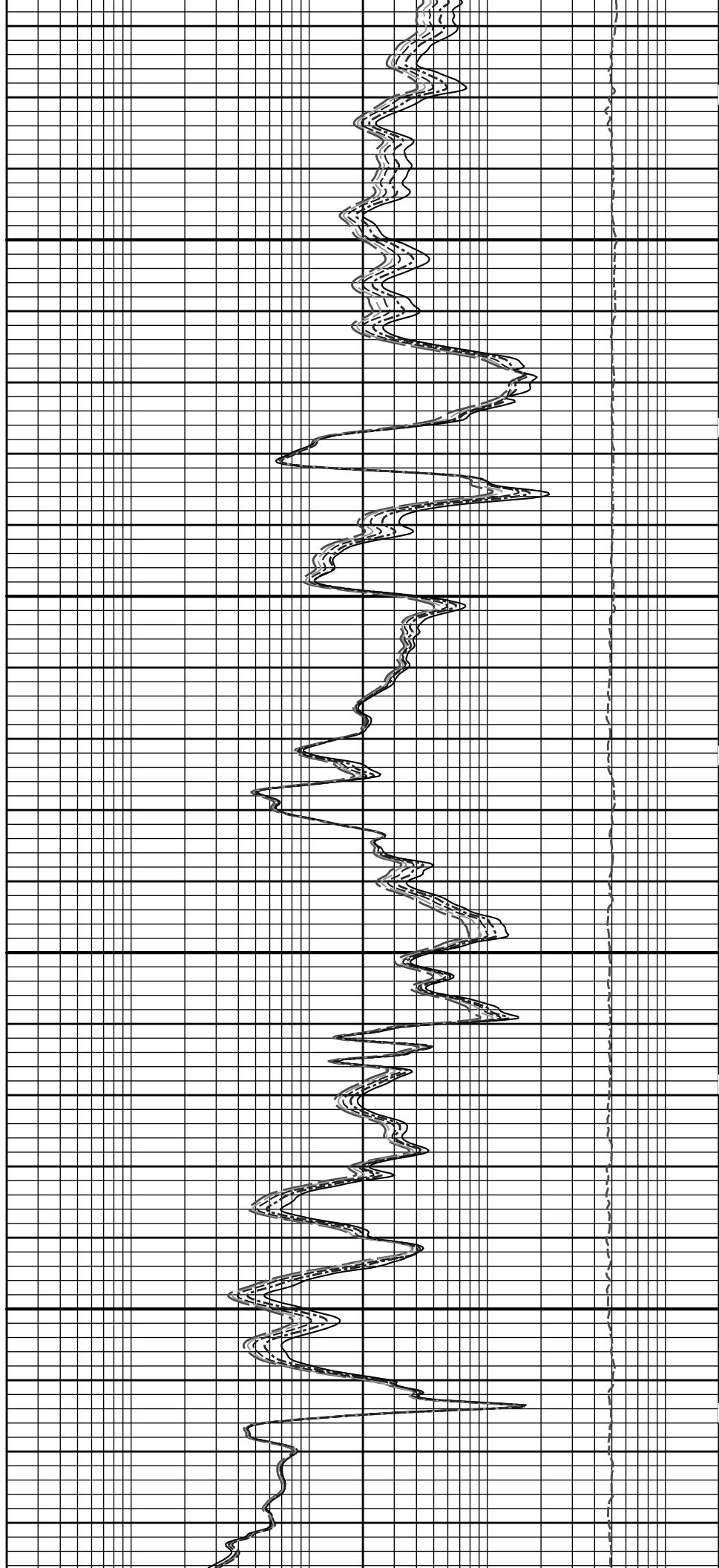
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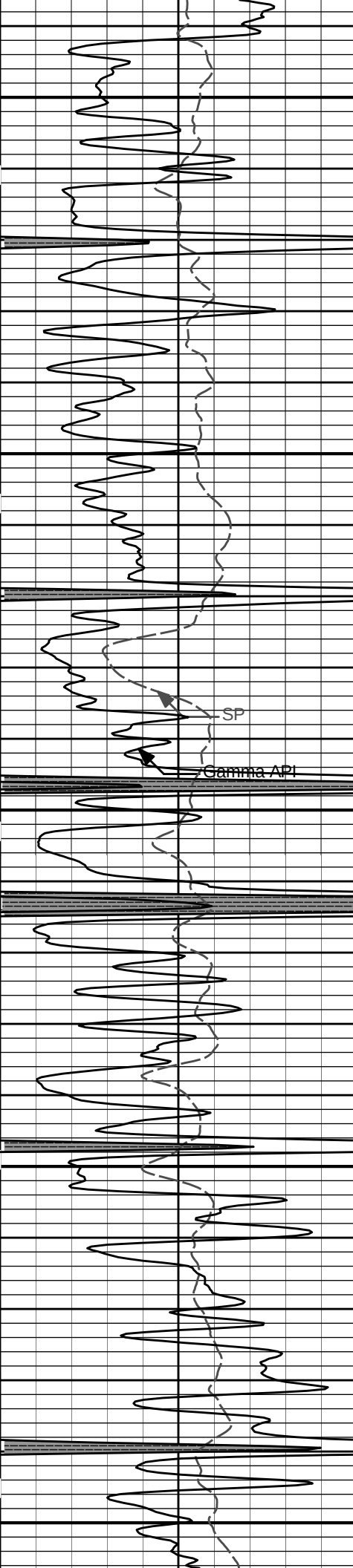




4200

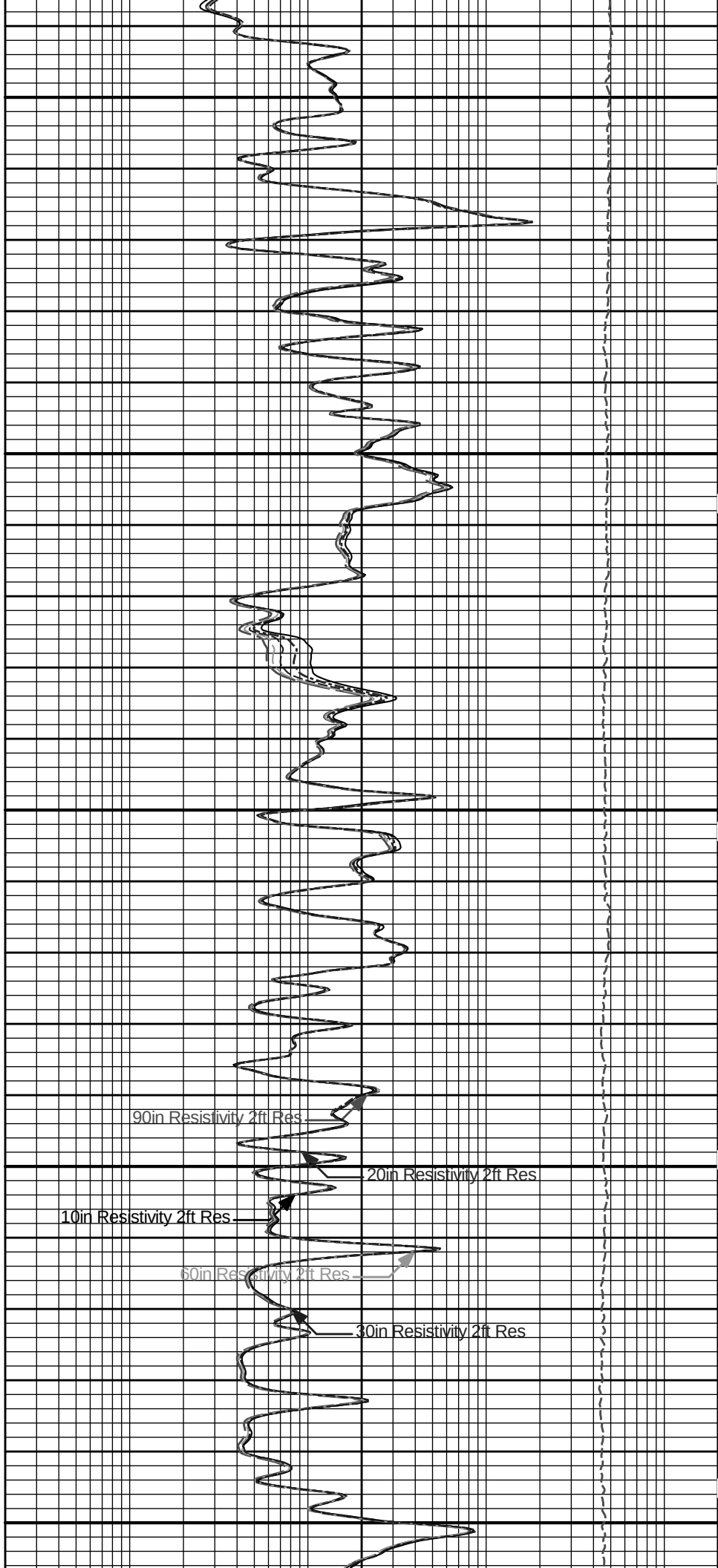
4300

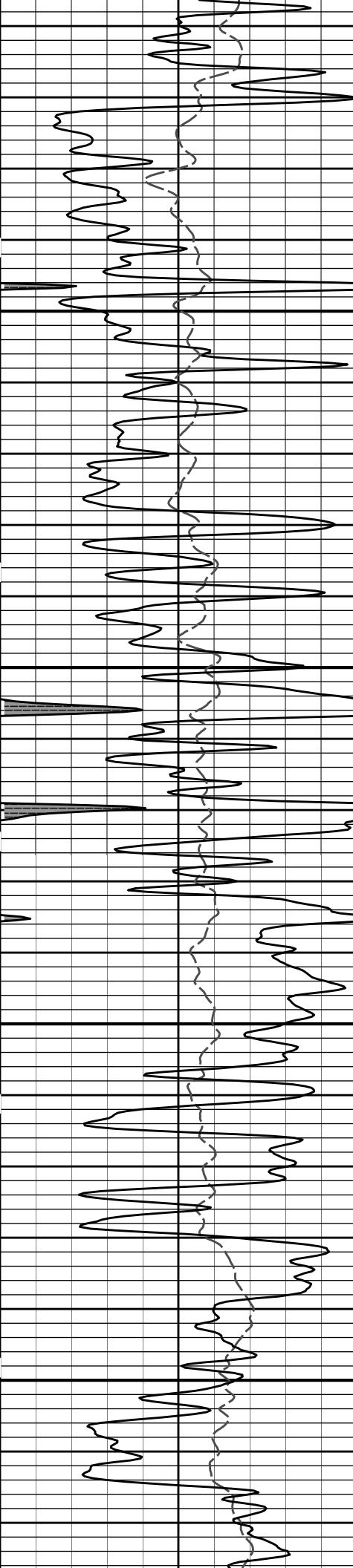




4400

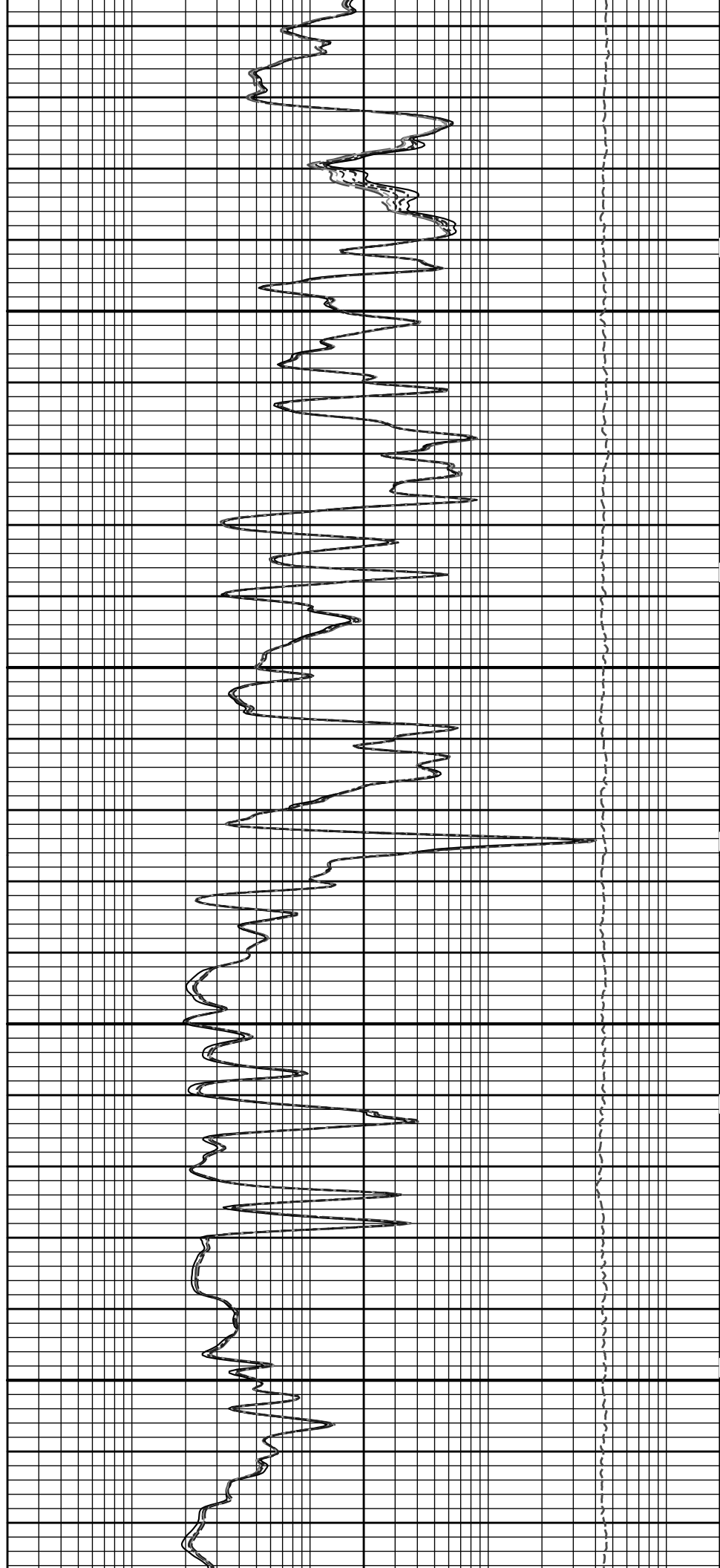
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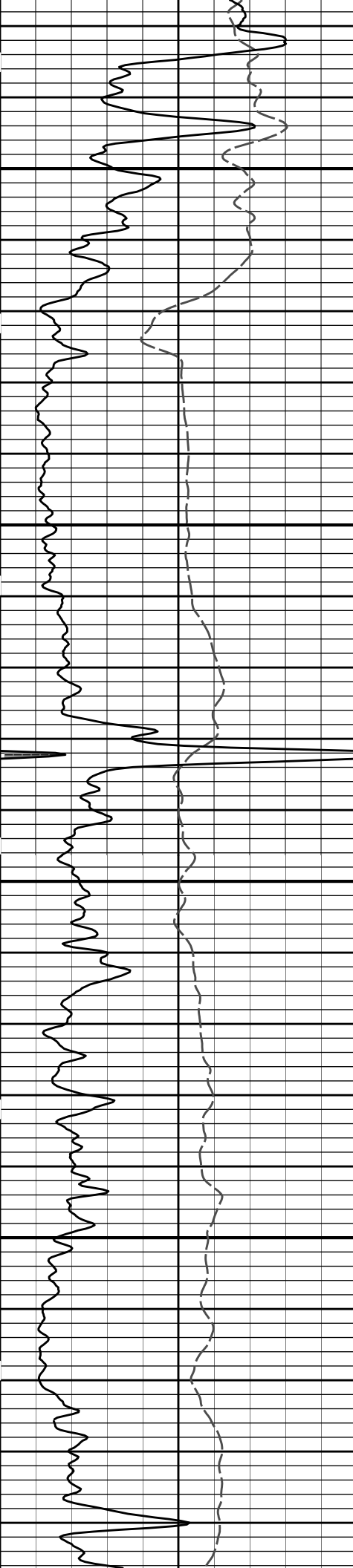




4600

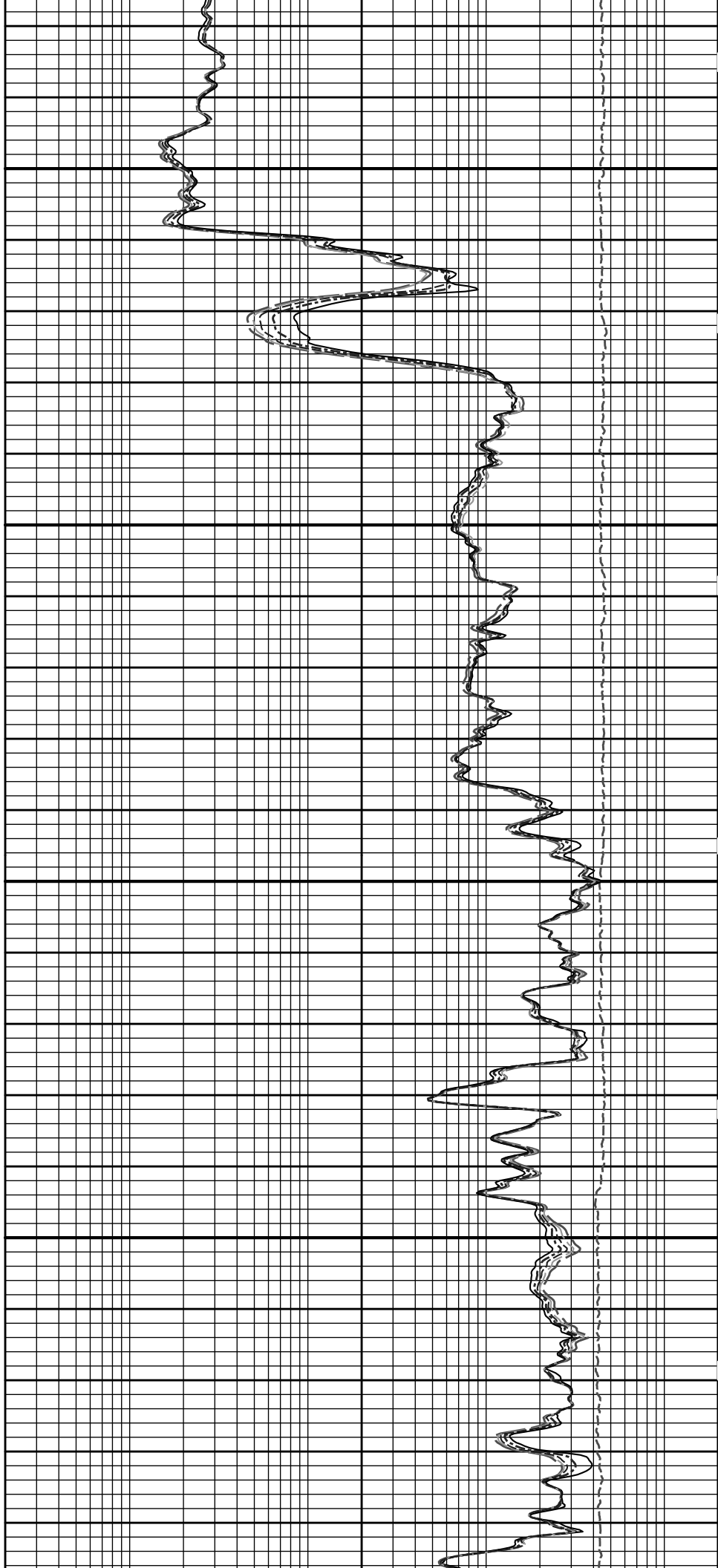
4700



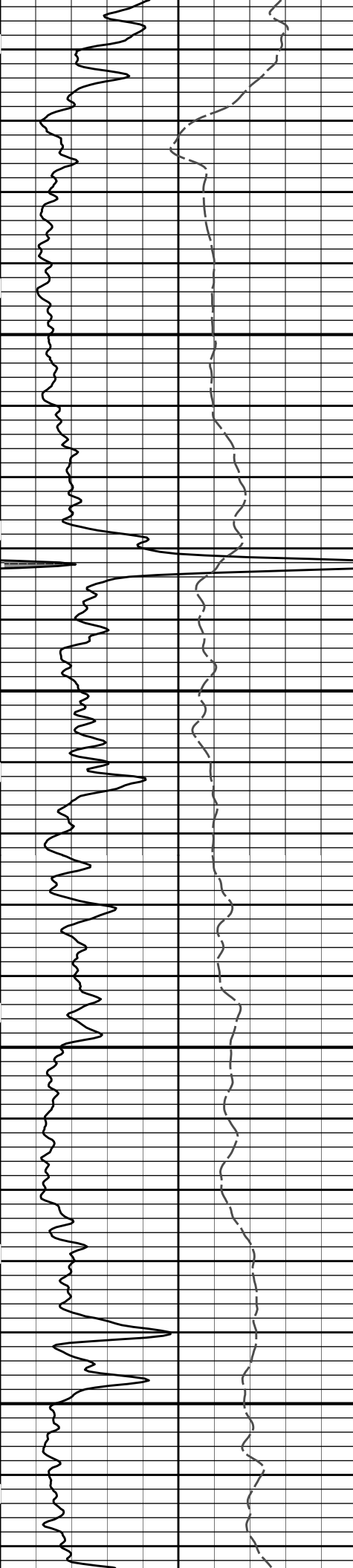


4800

4900

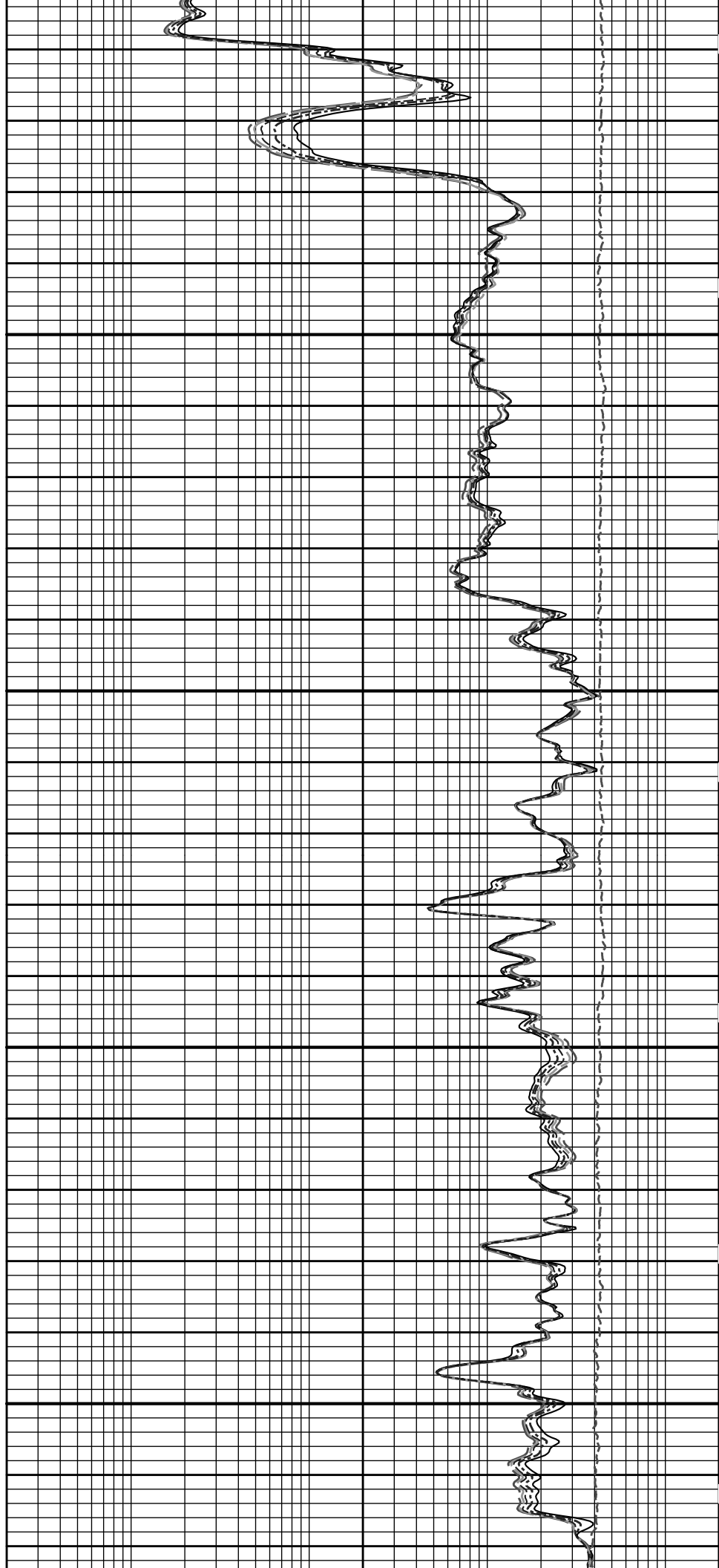


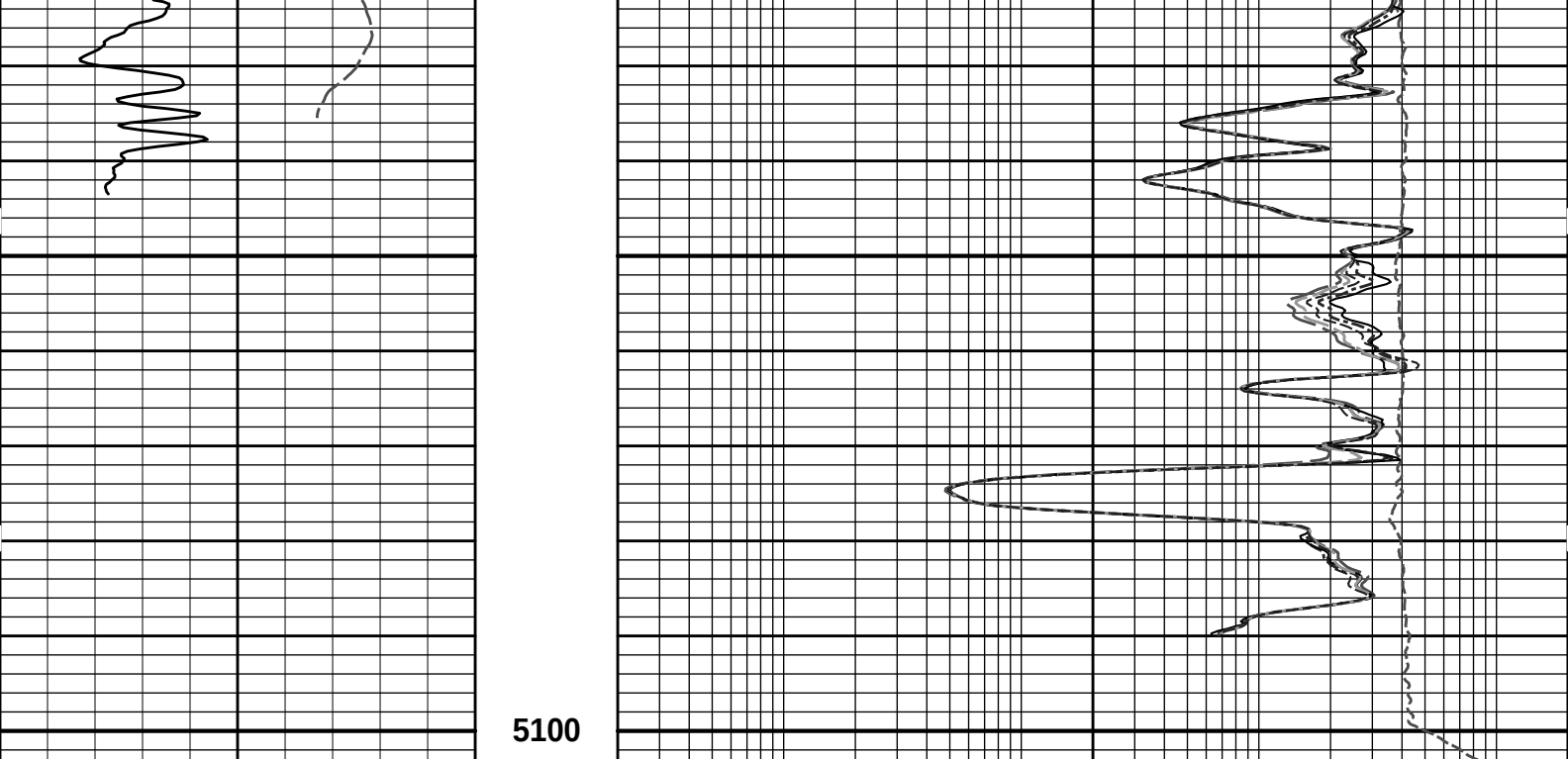
[illegible]



4900

5000





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

HALLIBURTON

Plot Time: 04-Mar-12 04:49:39
Plot Range: 4650 ft to 5103.17 ft
Data: GARDEN_CITY_T_2\Well Based\REPEAT\
Plot File: \\-LOCAL-IGARDEN_CITY_T_2\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\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 @ 70.36 ft	3.03 ft	71.39 ft
SP Sub-001 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

DSNT-11019643
174.00 lbs

DSN Decentralizer-
11005605
6.60 lbs

Ø 5.000 in* →

Ø 3.625 in →

9.69 ft

56.11 ft

← DSN Far @ 49.17 ft

← DSN Near @ 48.42 ft

SDLT-I43_M469
360.00 lbs

SDLT Pad-P81
65.00 lbs
Microlog Pad-M469
8.00 lbs

Ø 4.500 in →

Ø 4.750 in* →

Ø 4.750 in* →

10.81 ft

46.42 ft

Microlog @ 38.61 ft
SDL Caliper @ 38.42 ft
SDL @ 38.41 ft

35.61 ft

BSAT-10747684
300.00 lbs

Ø 3.625 in →

15.77 ft

19.83 ft

← Sonic Receivers @ 27.09 ft

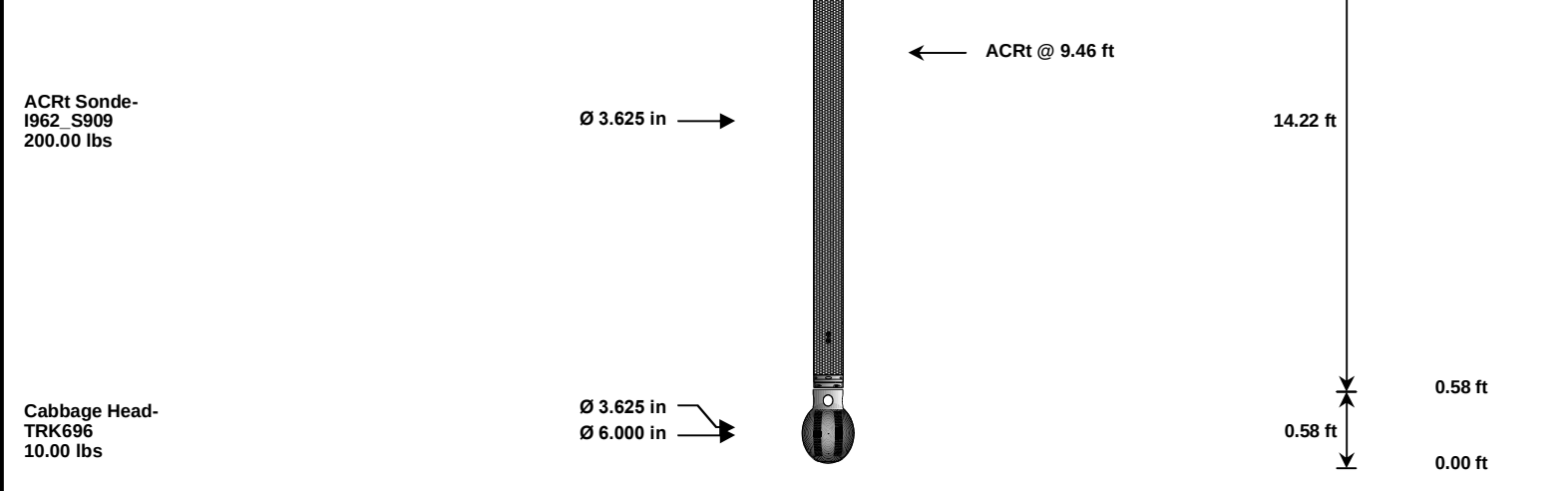
ACRt Instrument-
I962
50.00 lbs

Ø 3.625 in →

5.03 ft

14.80 ft

← Mud Resistivity @ 13.44 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	68.36	300.00
SP	SP Sub		001	60.00	3.74	64.63	300.00
GTET	Gamma Telemetry Tool		11039640	165.00	8.52	56.11	60.00
DSNT	Dual Spaced Neutron		11019643	174.00	9.69	46.42	60.00
DCNT	DSN Decentralizer		11005605	6.60	5.13	* 49.75	300.00
SDLT	Spectral Density Tool		I43_M469	360.00	10.81	35.61	60.00
MICP	Microlog Pad		M469	8.00	1.00	* 38.11	60.00
SDLP	Density Insite Pad		P81	65.00	2.55	* 37.82	60.00
BSAT	Borehole Sonic Array Tool		10747684	300.00	15.77	19.83	60.00
ACRt	Array Compensated True Resistivity Instrument Section		I962	50.00	5.03	14.80	300.00
ACRt	Array Compensated True Resistivity		I962 S909	200.00	14.22	0.58	300.00
CBHD	Cabbage Head		TRK696	10.00	0.58	0.00	300.00
Total				1,436.10	71.39		
* Not included in Total Length and Length Accumulation.							
Data: GARDEN_CITY_T_2\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\003 04-Mar-12 02:58 Up @5103.3f						Date: 04-Mar-12 03:38:41	

HALLIBURTON			
CALIBRATION REPORT			
NATURAL GAMMA RAY TOOL SHOP CALIBRATION			
Tool Name:	GTET - 11039640	Reference Calibration Date:	27-Jan-12 07:52:04
Engineer:	C. MARLOWE	Calibration Date:	22-Feb-12 20:28:49
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1
Calibrator Source S/N: TB146			
Calibrator API Reference:265.00 api			
Equivalent Calibrator API Reference:269.6 api			
Measurement	Measured	Calibrated	Units
Background	48.5	48.8	api
Background + Calibrator	316.6	318.4	api
Calibrator	268.1	269.6	api
NATURAL GAMMA RAY TOOL FIELD CALIBRATION			
Tool Name:	GTET - 11039640	Reference Calibration Date:	22-Feb-12 20:28:49
Engineer:	J. BOLLLOM	Calibration Date:	04-Mar-12 01:08:21
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1
Calibrator Source S/N: TB146			
Calibrator API Reference:265.00 api			
Equivalent Calibrator API Reference:269.6 api			

Field Verification	Shop	Field	Units
Background	48.8	37.4	api
Background + Calibrator	318.4	304.3	api
Calibrator	269.6	266.9	api

Shop	Field	Difference	Tolerance
269.6	266.9	2.7	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name:	DSNT - 11019643	Reference Calibration Date:	16-Feb-12 08:54:03
Engineer:	C.PARKER	Calibration Date:	16-Feb-12 09:05:04
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

Logging Source S/N: 696
Tank Serial Number: LIBERAL_NEUTRON
Reference value assigned to Tank: 51.680
Snow Block S/N: 696
Calibration Tank Water Temperature: 62 degF
Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS			
Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	0.955	0.956	0.900 - 1.100

WATER TANK SUMMARY (Horizontal Water Tank)				
Measurement	Current Reading (Previous Coef.)	Calibrated (New Coef.)	Change	Control Limit On Change
Porosity (decp):	0.2107	0.2110	0.0002	+/- 0.0020
Calibrated Ratio:	9.72	9.73	0.007	+/- 0.050

VERIFIER		
Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0734	0.02000 - 0.09000

PASS/FAIL SUMMARY	
Background Check:	Passed
Gain-Range Check:	Passed
Snow-Block Check:	Passed

DUAL SPACED NEUTRON FIELD CALIBRATION

Tool Name:	DSNT - 11019643	Reference Calibration Date:	16-Feb-12 09:05:04
Engineer:	J. BOLLLOM	Calibration Date:	04-Mar-12 01:15:09
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

Logging Source S/N: 696
Snow Block S/N: 696

NEUTRON FIELD-CHECK SUMMARY				
	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0734	0.0673	-0.0062	+/- 0.0150

PASS/FAIL SUMMARY	
Block Change Check:	Passed

Snow Block Stat Check:	Passed
Temperature Check:	Passed

DENSITY CALIPER SHOP CALIBRATION			
Tool Name:	SDLT - I43_M469	Reference Calibration Date:	16-Feb-12 10:03:14
Engineer:	C.PARKER	Calibration Date:	16-Feb-12 10:07:31
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-1784.89	-1917.62	-7000.00 - -1000.00
Pad Gain	0.0003910	0.0003971	0.000200 - 0.000600
Arm Offset	-330.31	-137.08	-5000.00 - 3000.00
Arm Gain	0.0005187	0.0005069	0.000300 - 0.000700
Arm Power	-0.000006098	-0.000005316	-0.000010 - 0.000010

The ring diameter is computed from: $\text{DIAMETER} = \text{PAD EXTENSION} + \text{ARM EXTENSION} + \text{TOOL DIAMETER}$
Tool Diameter: 4.50 in

CALIBRATION RINGS				
Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change	Control Limit On New Value
PAD EXTENSION:				
Small Ring (in)	2.02	2.00	-0.02	+/- 0.20
Medium Ring (in)	3.74	3.75	0.01	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.50	6.50	0.00	+/- 0.20
Medium Ring (in)	8.28	8.25	-0.03	+/- 0.20
Large Ring (in)	15.00	15.00	0.00	+/- 0.20

PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed
Ring-Measurement Check:	Passed
PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed

SDLT CALIPER FIELD CALIBRATION			
Tool Name:	SDLT - I43_M469	Reference Calibration Date:	16-Feb-12 10:07:31
Engineer:	J. BOLLLOM	Calibration Date:	04-Mar-12 01:17:34
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

MEASURED CALIPER VALUES				
Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.78	0.03	+/- 0.10
Ring Diameter	8.25	8.37	0.12	+/- 0.15

PASS/FAIL SUMMARY	
Pad Extension Check:	Passed
Diameter Check:	Passed

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION			
Tool Name:	ACRt Sonde - I962_S909	Reference Calibration Date:	24-Jan-12 09:31:40
Engineer:	C. HAVERKAMP	Calibration Date:	24-Feb-12 13:24:09
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

TYPICAL GAIN RANGE			
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TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0168	1.05	0.95	1.0229	1.05	0.95	1.0207	1.05
A2 (50")	0.95	1.0114	1.05	0.95	1.0172	1.05	0.95	1.0165	1.05
A3 (29")	0.95	1.0025	1.05	0.95	1.0075	1.05	0.95	1.0045	1.05
A4 (17")	0.95	1.0042	1.05	0.95	1.0069	1.05	0.95	1.0066	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0047	1.05	0.95	1.0023	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9883	1.05	0.95	0.9861	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	-0.741	2	-6	-4.230	-2	-8	-4.258	-2
A2 (50")	-7	-1.770	-1	-6	-3.669	-2	-7	-4.211	-2
A3 (29")	-27	-14.223	-9	-9	-4.442	-3	-7	-2.621	-1
A4 (17")	-180	-101.737	-60	-45	-30.295	-15	-39	-25.948	-13
A5 (10")	N/A	N/A	N/A	-150	-100.527	-50	-80	-45.910	-10
A6 (6")	N/A	N/A	N/A	175	282.721	525	90	148.160	270

TRANSMITTER CURRENT GAIN

Signal	Lower	R	Upper
12K	0.6	0.8813	1.3
36K	1.0	1.3484	2.0
72K	1.0	1.5779	2.0

R-MUD VERIFICATION

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name:	SDLT Pad - P81	Reference Calibration Date:	16-Feb-12 09:32:29
Engineer:	C.PARKER	Calibration Date:	16-Feb-12 09:50:51
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

Logging Source S/N: 5168GW

Aluminum Block S/N: LIBERAL

Density: 2.598g/cc

Pe: 3.170

Magnesium Block S/N: LIBERAL

Density: 1.684g/cc

Pe: 2.598

DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0007	1.0390	0.90 - 1.10
Near Dens Gain	0.9863	1.0240	0.90 - 1.10
Near Peak Gain	0.9638	1.0214	0.90 - 1.10
Near Lith Gain	0.9505	0.9895	0.90 - 1.10
Far Bar Gain	1.0070	1.0126	0.90 - 1.10
Far Dens Gain	0.9953	1.0029	0.90 - 1.10
Far Peak Gain	0.9892	0.9950	0.90 - 1.10
Far Lith Gain	0.9673	0.9741	0.90 - 1.10
Near Bar Offset	0.1494	-0.1966	NONE
Near Dens Offset	0.2613	-0.0657	NONE
Near Peak Offset	0.4387	-0.0378	NONE
Near Lith Offset	0.5394	0.2188	NONE
Far Bar Offset	0.0283	-0.0164	NONE
Far Dens Offset	0.1237	0.0609	NONE
Far Peak Offset	0.1380	0.0956	NONE
Far Lith Offset	0.0010	0.0001	NONE

Far Lith Offset	0.2818	0.2321	NONE
Near Bar Background	823.63	824.58	700 - 1450
Near Dens Background	269.31	269.85	230 - 480
Near Peak Background	117.39	117.18	100 - 210
Near Lith Background	146.50	146.84	125 - 260
Far Bar Background	536.19	537.63	450 - 900
Far Dens Background	209.96	210.26	175 - 345
Far Peak Background	83.75	84.87	70 - 140
Far Lith Background	88.57	87.09	75 - 145

CALIBRATION BLOCK SUMMARY				
Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.679	1.684	0.005	+/- 0.015
Pe	2.565	2.557	-0.008	+/- 0.150
ALUMINUM				
Density (g/cc)	2.597	2.598	0.001	+/- 0.01500
Pe	3.116	3.126	0.010	+/- 0.150

TOOL SUMMARY				
Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0011	+/- 0.0110	0.0000	+/- 0.0140
Magnesium Block	-0.0008	+/- 0.0110	-0.0013	+/- 0.0140
Aluminum Block	-0.0006	+/- 0.0110	-0.0011	+/- 0.0140
Resolution	9.43	6.00 - 11.50	8.92	6.00 - 11.50
Internal Verifier(B+D+P+L)	1358	1200 - 2700	920	800 - 1700

PASS/FAIL SUMMARY	
Background Quality Check:	Passed
Background Range Check:	Passed
Background Resolution Check:	Passed
Background Verification Check:	Passed
Magnesium Quality Check:	Passed
Aluminum Quality Check:	Passed
Gains Check:	Passed
Changes in Calibration Blocks:	Passed

SPECTRAL DENSITY FIELD CHECK

Tool Name:	SDLT Pad - P81	Reference Calibration Date:	16-Feb-12 09:50:51
Engineer:	J. BOLLLOM	Calibration Date:	04-Mar-12 01:08:51
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

Pad Temperature: 40.0 degF

DENSITY FIELD CALIBRATION SUMMARY				
Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1358.449	1358.840	0.391	14.900
Far (B+D+P+L) cps	919.854	923.840	3.986	16.438
Near Resolution	9.43	9.75	0.320	0.50
Far Resolution	8.92	9.25	0.320	1.00

Full Resolution		8.92	9.33	0.430	1.00	
PASS/FAIL SUMMARY						
Bkg Quality Check:		Passed				
Bkg Resolution Check:		Passed				
Bkg Verification Check:		Passed				
MICRO LOG SHOP CALIBRATION						
Tool Name:	Microlog Pad - M469			Reference Calibration Date:	20-Jan-12 09:25:17	
Engineer:	C.PARKER			Calibration Date:	16-Feb-12 10:13:03	
Software Version:	WL INSITE R3.4.2 (Build 2)			Calibration Version:	1	
	CALIBRATION COEFFICIENT SUMMARY					
	Measurement	Micro Log Normal		Micro Log Lateral		
		Measured	Calibrated	Measured	Calibrated	Units
	Tool Zero	-0.06	-0.07	-0.06	-0.01	ohmm
	Calibration Point #1	0.00	0.00	-0.04	0.00	ohmm
	Calibration Point #2	20.03	20.00	20.01	20.00	ohmm
	Internal Reference	19.97	19.94	20.00	19.99	ohmm
	Measurement	Micro Log Normal Tool Value		Micro Log Lateral Tool Value		Units
	Tool Zero		-0.02		0.03	V
	Calibration Point #1		17.53		4.88	V
	Calibration Point #2		5362.47		7021.63	V
	Internal Reference		5346.02		7018.61	V
	MICRO LOG FIELD CHECK					
	Tool Name:	Microlog Pad - M469			Reference Calibration Date:	16-Feb-12 10:13:03
Engineer:	J. BOLLOM			Calibration Date:	04-Mar-12 01:18:23	
Software Version:	WL INSITE R3.4.2 (Build 2)			Calibration Version:	1	
	Measurement	Micro Log Normal		Micro Log Lateral		
		Shop	Field	Shop	Field	Units
	Tool Zero	-0.07	-0.05	-0.01	-0.01	ohmm
	Internal Reference	19.94	19.80	19.99	19.84	ohmm
	Summary					
	Signal	Shop	Field	Difference	Tolerance	
	Microlog Normal	19.94	19.80	0.14	+/- 0.80	
	Microlog Lateral	19.99	19.84	0.15	+/- 0.80	
	CALIBRATION SUMMARY					
	Sensor	Shop	Field	Post	Difference	Tolerance
GTET-11039640						
Gamma Ray Calibrator	269.6	266.9	-----	2.7	+/- 9.00	api
DSNT-11019643						
Snow-Block Porosity	0.0734	0.0673	-----	0.0061	+/- 0.0150	decp
SDLT-I43_M469						
Pad Extension	3.75	3.78	-----	-0.03	+/-0.10	in
Ring Diameter	8.25	8.37	-----	-0.120	+/-0.15	in
ACRt Sonde-I962_S909						
Mud Cell	1.002	-----	-----	0.000	-----	ohm-m
SDLT Pad-P81						

Near(B+D+P+L)	1358.449	1358.840	-----	-0.391	+/-14.900	cps
Far(B+D+P+L)	919.854	923.840	-----	-3.986	+/-16.438	cps
Microlog Pad-M469						
MicroLog Normal	19.94	19.80	-----	0.14	+/-0.80	ohmm
MicroLog Lateral	19.99	19.84	-----	0.15	+/-0.80	ohmm
Data: GARDEN_CITY_T_210001 SP-GTET-DSN-SDL-BSAT-ACRT-CHUIDLE						
Date: 04-Mar-12 03:40:10						

HALLIBURTON						
PARAMETERS REPORT						
Depth (ft)	Tool Name	Mnemonic	Description	Value	Units	
TOP						
	SHARED	BS	Bit Size	7.875	in	
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No		
	SHARED	MDBS	Mud Base	Water		
	SHARED	MDWT	Borehole Fluid Weight	9.500	ppg	
	SHARED	WAGT	Weighting Agent	Natural		
	SHARED	BSAL	Borehole salinity	1700.00	ppm	
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm	
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%	
	SHARED	RMUD	Mud Resistivity	2.000	ohmm	
	SHARED	TRM	Temperature of Mud	75.0	degF	
	SHARED	CSD	Logging Interval is Cased?	No		
	SHARED	ICOD	AHV Casing OD	5.500	in	
	SHARED	ST	Surface Temperature	75.0	degF	
	SHARED	TD	Total Well Depth	5120.00	ft	
	SHARED	BHT	Bottom Hole Temperature	200.0	degF	
	SHARED	SVTM	Navigation and Survey Master Tool	NONE		
	SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET		
	SHARED	TEMM	Temperature Master Tool	NONE		
	SHARED	BHSM	Borehole Size Master Tool	NONE		
	Rwa / CrossPlot	XPOK	Process Crossplot?	Yes		
	Rwa / CrossPlot	FCHO	Select Source of F	Automatic		
	Rwa / CrossPlot	AFAC	Archie A factor	0.6200		
	Rwa / CrossPlot	MFAC	Archie M factor	2.1500		
	Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm	
	Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF	
	Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm	
	Rwa / CrossPlot	ADP	Use Air Porosity to calculate CrossplotPhi	No		
	GTET	GROK	Process Gamma Ray?	Yes		
	GTET	GRSO	Gamma Tool Standoff	0.000	in	
	GTET	GEOK	Process Gamma Ray EVR?	No		
	GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered		
	DSNT	DNOK	Process DSN?	Yes		
	DSNT	DEOK	Process DSN EVR?	No		
	DSNT	NLIT	Neutron Lithology	Limestone		
	DSNT	DSNO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in	
	DSNT	DNTP	Temperature Correction Type	None		
	DSNT	DPRS	DSN Pressure Correction Type	None		

DSNT	SHCO	View More Correction Options	No	
DSNT	UTVD	Use TVD for Gradient Corrections?	No	
DSNT	LHWT	Logging Horizontal Water Tank?	No	
SDLT	CLOK	Process Caliper Outputs?	Yes	
SDLT Pad	DNOK	Process Density?	Yes	
SDLT Pad	DNOK	Process Density EVR?	No	
SDLT Pad	CB	Logging Calibration Blocks?	No	
SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT Pad	DTWN	Disable temperature warning	No	
SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc
SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
BSAT	MBOK	Compute BCAS Results?	Yes	
BSAT	FLLO	Frequency Filter Low Pass Value?	5000	Hz
BSAT	FLHI	Frequency Filter High Pass Value?	27000	Hz
BSAT	DTFL	Delta -T Fluid	189.00	uspf
BSAT	DTMT	Delta -T Matrix Type	User define	
BSAT	DTMA	Delta -T Matrix	47.60	uspf
BSAT	DTSH	Delta -T Shale	100.00	uspf
BSAT	SPEQ	Acoustic Porosity Equation	Wylie	
ACRt Sonde	RTOK	Process ACRt?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Up	
ACRt Sonde	TPOS	Tool Position	Free Hanging	
ACRt Sonde	RMOP	Rmud Source	Mud Cell	
ACRt Sonde	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt Sonde	RMIN	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
BOTTOM				
Data: GARDEN_CITY_T_2I0001 SP-GTET-DSN-SDL-BSAT-ACRT-CHI003 04-Mar-12 02:58 Up @5103.3f				Date: 04-Mar-12 03:40:58

HALLIBURTON				
INPUTS, DELAYS AND FILTERS TABLE				
Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel				
TENS	Tension	0.00	NO	
CH_HOS				
DHTN	DownholeTension	0.00	BLK	0.000
SP Sub				
PLTC	Plot Control Mask	66.58	NO	
SP	Spontaneous Potential	66.58	BLK	1.250
SPR	Raw Spontaneous Potential	66.58	NO	
SPO	Spontaneous Potential Offset	66.58	NO	
GTET				
TPUL	Tension Pull	58.56	NO	
GR	Natural Gamma Ray API	58.56	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	58.56	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	58.56	W	1.416 , 0.750

ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
DSNT				
TPUL	Tension Pull	48.32	NO	
RNDS	Near Detector Telemetry Counts	48.42	BLK	1.417
RFDS	Far Detector Telemetry Counts	49.17	TRI	0.583
DNTT	DSN Tool Temperature	48.42	NO	
DSNS	DSN Tool Status	48.32	NO	
ERND	Near Detector Telemetry Counts EVR	48.42	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	49.17	BLK	0.000
ENTM	DSN Tool Temperature EVR	48.42	NO	
SDLT				
TPUL	Tension Pull	38.42	NO	
PCAL	Pad Caliper	38.42	TRI	0.250
ACAL	Arm Caliper	38.42	TRI	0.250
BSAT				
TPUL	Tension Pull	27.09	NO	
STAT	Status	27.09	NO	
DLYT	Delay Time	27.09	NO	
SI	Sample Interval	27.09	NO	
TXRX	Raw Telemetry 10 Receivers	27.09	NO	
FRMC	Tool Frame Count	27.09	NO	
ACRt Sonde				
TPUL	Tension Pull	2.97	NO	
F1R1	ACRT 12KHz - 80in R value	9.22	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	9.22	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.72	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.72	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	5.22	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	5.22	BLK	0.000
F1R4	ACRT 12KHz - 17in R value	4.22	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	4.22	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.72	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.72	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.47	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.47	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	9.22	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	9.22	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.72	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.72	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	5.22	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	5.22	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	4.22	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	4.22	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.72	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.72	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.47	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.47	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	9.22	BLK	0.000
F3X1	ACRT 72KHz - 80in X value	9.22	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.72	BLK	0.000
F3X2	ACRT 72KHz - 50in X value	6.72	BLK	0.000
F3R3	ACRT 72KHz - 29in R value	5.22	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	5.22	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	4.22	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	4.22	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.72	BLK	0.000
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
F4R1	ACRT 144KHz - 80in R value	9.22	BLK	0.000
F4X1	ACRT 144KHz - 80in X value	9.22	BLK	0.000
F4R2	ACRT 144KHz - 50in R value	6.72	BLK	0.000
F4X2	ACRT 144KHz - 50in X value	6.72	BLK	0.000
F4R3	ACRT 144KHz - 29in R value	5.22	BLK	0.000
F4X3	ACRT 144KHz - 29in X value	5.22	BLK	0.000
F4R4	ACRT 144KHz - 17in R value	4.22	BLK	0.000
F4X4	ACRT 144KHz - 17in X value	4.22	BLK	0.000
F4R5	ACRT 144KHz - 10in R value	3.72	BLK	0.000
F4X5	ACRT 144KHz - 10in X value	3.72	BLK	0.000
F4R6	ACRT 144KHz - 6in R value	3.47	BLK	0.000
F4X6	ACRT 144KHz - 6in X value	3.47	BLK	0.000
F5R1	ACRT 288KHz - 80in R value	9.22	BLK	0.000
F5X1	ACRT 288KHz - 80in X value	9.22	BLK	0.000
F5R2	ACRT 288KHz - 50in R value	6.72	BLK	0.000
F5X2	ACRT 288KHz - 50in X value	6.72	BLK	0.000
F5R3	ACRT 288KHz - 29in R value	5.22	BLK	0.000
F5X3	ACRT 288KHz - 29in X value	5.22	BLK	0.000
F5R4	ACRT 288KHz - 17in R value	4.22	BLK	0.000
F5X4	ACRT 288KHz - 17in X value	4.22	BLK	0.000
F5R5	ACRT 288KHz - 10in R value	3.72	BLK	0.000
F5X5	ACRT 288KHz - 10in X value	3.72	BLK	0.000
F5R6	ACRT 288KHz - 6in R value	3.47	BLK	0.000
F5X6	ACRT 288KHz - 6in X value	3.47	BLK	0.000
F6R1	ACRT 576KHz - 80in R value	9.22	BLK	0.000
F6X1	ACRT 576KHz - 80in X value	9.22	BLK	0.000
F6R2	ACRT 576KHz - 50in R value	6.72	BLK	0.000
F6X2	ACRT 576KHz - 50in X value	6.72	BLK	0.000
F6R3	ACRT 576KHz - 29in R value	5.22	BLK	0.000
F6X3	ACRT 576KHz - 29in X value	5.22	BLK	0.000
F6R4	ACRT 576KHz - 17in R value	4.22	BLK	0.000
F6X4	ACRT 576KHz - 17in X value	4.22	BLK	0.000
F6R5	ACRT 576KHz - 10in R value	3.72	BLK	0.000
F6X5	ACRT 576KHz - 10in X value	3.72	BLK	0.000
F6R6	ACRT 576KHz - 6in R value	3.47	BLK	0.000
F6X6	ACRT 576KHz - 6in X value	3.47	BLK	0.000
F7R1	ACRT 1152KHz - 80in R value	9.22	BLK	0.000
F7X1	ACRT 1152KHz - 80in X value	9.22	BLK	0.000
F7R2	ACRT 1152KHz - 50in R value	6.72	BLK	0.000
F7X2	ACRT 1152KHz - 50in X value	6.72	BLK	0.000
F7R3	ACRT 1152KHz - 29in R value	5.22	BLK	0.000
F7X3	ACRT 1152KHz - 29in X value	5.22	BLK	0.000
F7R4	ACRT 1152KHz - 17in R value	4.22	BLK	0.000
F7X4	ACRT 1152KHz - 17in X value	4.22	BLK	0.000
F7R5	ACRT 1152KHz - 10in R value	3.72	BLK	0.000
F7X5	ACRT 1152KHz - 10in X value	3.72	BLK	0.000
F7R6	ACRT 1152KHz - 6in R value	3.47	BLK	0.000
F7X6	ACRT 1152KHz - 6in X value	3.47	BLK	0.000
F8R1	ACRT 2304KHz - 80in R value	9.22	BLK	0.000
F8X1	ACRT 2304KHz - 80in X value	9.22	BLK	0.000
F8R2	ACRT 2304KHz - 50in R value	6.72	BLK	0.000
F8X2	ACRT 2304KHz - 50in X value	6.72	BLK	0.000
F8R3	ACRT 2304KHz - 29in R value	5.22	BLK	0.000
F8X3	ACRT 2304KHz - 29in X value	5.22	BLK	0.000
F8R4	ACRT 2304KHz - 17in R value	4.22	BLK	0.000
F8X4	ACRT 2304KHz - 17in X value	4.22	BLK	0.000
F8R5	ACRT 2304KHz - 10in R value	3.72	BLK	0.000
F8X5	ACRT 2304KHz - 10in X value	3.72	BLK	0.000
F8R6	ACRT 2304KHz - 6in R value	3.47	BLK	0.000
F8X6	ACRT 2304KHz - 6in X value	3.47	BLK	0.000
F9R1	ACRT 4608KHz - 80in R value	9.22	BLK	0.000
F9X1	ACRT 4608KHz - 80in X value	9.22	BLK	0.000
F9R2	ACRT 4608KHz - 50in R value	6.72	BLK	0.000
F9X2	ACRT 4608KHz - 50in X value	6.72	BLK	0.000
F9R3	ACRT 4608KHz - 29in R value	5.22	BLK	0.000
F9X3	ACRT 4608KHz - 29in X value	5.22	BLK	0.000
F9R4	ACRT 4608KHz - 17in R value	4.22	BLK	0.000
F9X4	ACRT 4608KHz - 17in X value	4.22	BLK	0.000
F9R5	ACRT 4608KHz - 10in R value	3.72	BLK	0.000
F9X5	ACRT 4608KHz - 10in X value	3.72	BLK	0.000
F9R6	ACRT 4608KHz - 6in R value	3.47	BLK	0.000
F9X6	ACRT 4608KHz - 6in X value	3.47	BLK	0.000
F10R1	ACRT 9216KHz - 80in R value	9.22	BLK	0.000
F10X1	ACRT 9216KHz - 80in X value	9.22	BLK	0.000
F10R2	ACRT 9216KHz - 50in R value	6.72	BLK	0.000
F10X2	ACRT 9216KHz - 50in X value	6.72	BLK	0.000
F10R3	ACRT 9216KHz - 29in R value	5.22	BLK	0.000
F10X3	ACRT 9216KHz - 29in X value	5.22	BLK	0.000
F10R4	ACRT 9216KHz - 17in R value	4.22	BLK	0.000
F10X4	ACRT 9216KHz - 17in X value	4.22	BLK	0.000
F10R5	ACRT 9216KHz - 10in R value	3.72	BLK	0.000
F10X5	ACRT 9216KHz - 10in X value	3.72	BLK	0.000
F10R6	ACRT 9216KHz - 6in R value	3.47	BLK	0.000
F10X6	ACRT 9216KHz - 6in X value	3.47	BLK	0.000
F11R1	ACRT 18432KHz - 80in R value	9.22	BLK	0.000
F11X1	ACRT 18432KHz - 80in X value	9.22	BLK	0.000
F11R2	ACRT 18432KHz - 50in R value	6.72	BLK	0.000
F11X2	ACRT 18432KHz - 50in X value	6.72	BLK	0.000
F11R3	ACRT 18432KHz - 29in R value	5.22	BLK	0.000
F11X3	ACRT 18432KHz - 29in X value	5.22	BLK	0.000
F11R4	ACRT 18432KHz - 17in R value	4.22	BLK	0.000
F11X4	ACRT 18432KHz - 17in X value	4.22	BLK	0.000
F11R5	ACRT 18432KHz - 10in R value	3.72	BLK	0.000
F11X5	ACRT 18432KHz - 10in X value	3.72	BLK	0.000
F11R6	ACRT 18432KHz - 6in R value	3.47	BLK	0.000
F11X6	ACRT 18432KHz - 6in X value	3.47	BLK	0.000
F12R1	ACRT 36864KHz - 80in R value	9.22	BLK	0.000
F12X1	ACRT 36864KHz - 80in X value	9.22	BLK	0.000
F12R2	ACRT 36864KHz - 50in R value	6.72	BLK	0.000
F12X2	ACRT 36864KHz - 50in X value	6.72	BLK	0.000
F12R3	ACRT 36864KHz - 29in R value	5.22	BLK	0.000
F12X3	ACRT 36864KHz - 29in X value	5.22	BLK	0.000
F12R4	ACRT 36864KHz - 17in R value	4.22	BLK	0.000
F12X4	ACRT 36864KHz - 17in X value	4.22	BLK	0.000
F12R5</				

F3R3	ACRT 72KHz - 29in R value	5.22	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	5.22	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	4.22	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	4.22	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.72	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.72	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.47	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.47	BLK	0.000
RMUD	Mud Resistivity	12.76	BLK	0.000
F1RT	Transmitter Reference 12 KHz Real Signal	2.97	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.97	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.97	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.97	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.97	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.97	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.97	BLK	0.000
TFPL	Lower Feedpipe Temperature Calculated	2.97	BLK	0.000
ITMP	Instrument Temperature	2.97	BLK	0.000
TCVA	Temperature Correction Values Loop Off	2.97	NO	
TIDV	Instrument Temperature Derivative	2.97	NO	
TUDV	Upper Temperature Derivative	2.97	NO	
TLDV	Lower Temperature Derivative	2.97	NO	
TRBD	Receiver Board Temperature	2.97	NO	
SDLT Pad				
TPUL	Tension Pull	38.41	NO	
NAB	Near Above	38.24	BLK	0.920
NHI	Near Cesium High	38.24	BLK	0.920
NLO	Near Cesium Low	38.24	BLK	0.920
NVA	Near Valley	38.24	BLK	0.920
NBA	Near Barite	38.24	BLK	0.920
NDE	Near Density	38.24	BLK	0.920
NPK	Near Peak	38.24	BLK	0.920
NLI	Near Lithology	38.24	BLK	0.920
NBAU	Near Barite Unfiltered	38.24	BLK	0.250
NLIU	Near Lithology Unfiltered	38.24	BLK	0.250
FAB	Far Above	38.58	BLK	0.250
FHI	Far Cesium High	38.58	BLK	0.250
FLO	Far Cesium Low	38.58	BLK	0.250
FVA	Far Valley	38.58	BLK	0.250
FBA	Far Barite	38.58	BLK	0.250
FDE	Far Density	38.58	BLK	0.250
FPK	Far Peak	38.58	BLK	0.250
FLI	Far Lithology	38.58	BLK	0.250
PTMP	Pad Temperature	38.42	BLK	0.920
NHV	Near Detector High Voltage	37.81	NO	
FHV	Far Detector High Voltage	37.81	NO	
ITMP	Instrument Temperature	37.81	NO	
DDHV	Detector High Voltage	37.81	NO	
Microlog Pad				
TPUL	Tension Pull	38.60	NO	
MINV	Microlog Lateral	38.60	BLK	0.750
MNOR	Microlog Normal	38.60	BLK	0.750
Data: GARDEN_CITY_T_2I0001 SP-GTET-DSN-SDL-BSAT-ACRT-CHI003 04-Mar-12 02:58 Up @5103.3f			Date: 04-Mar-12 03:39:06	

COMPANY	OXY USA INC		
WELL	GARDEN CITY T-2		
FIELD	GARDEN CITY		
COUNTY	FINNEY	STATE	KANSAS

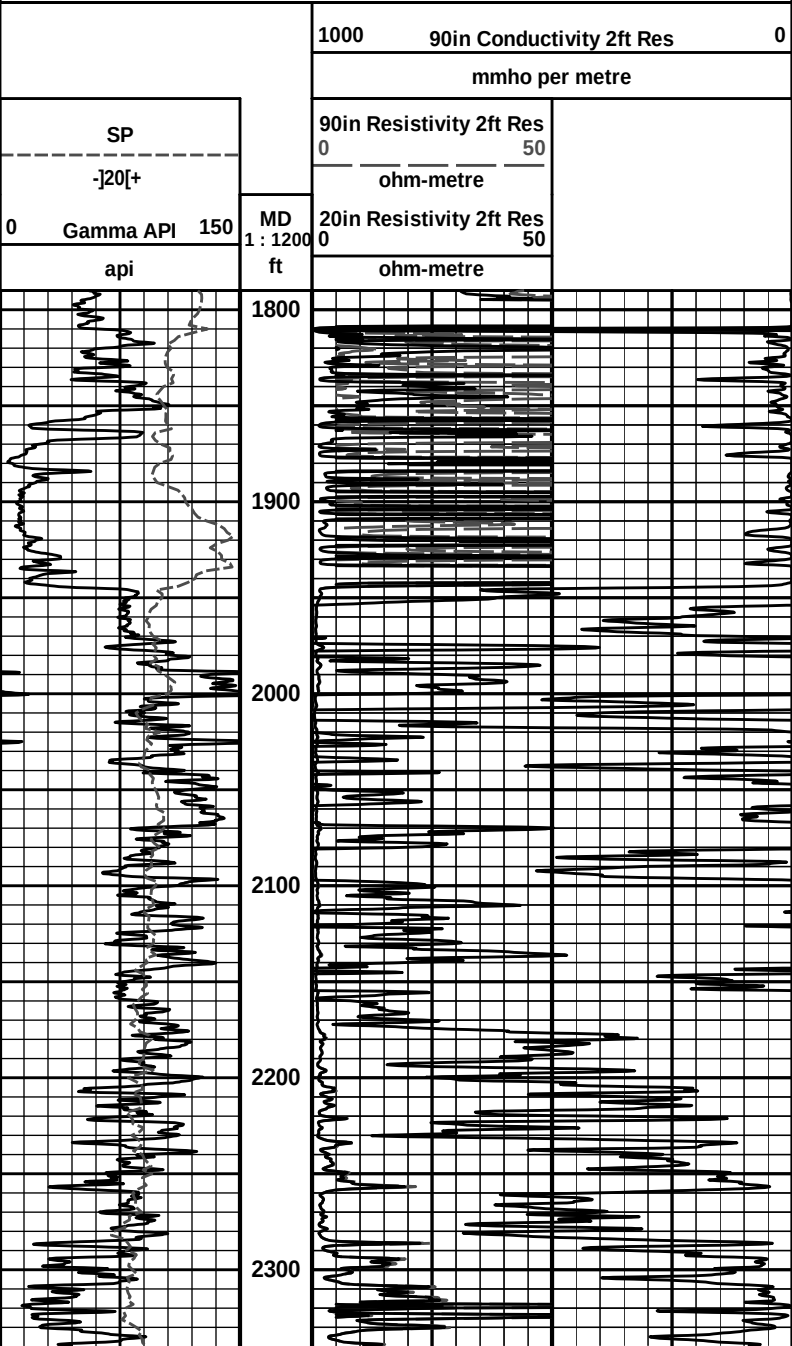
HALLIBURTON

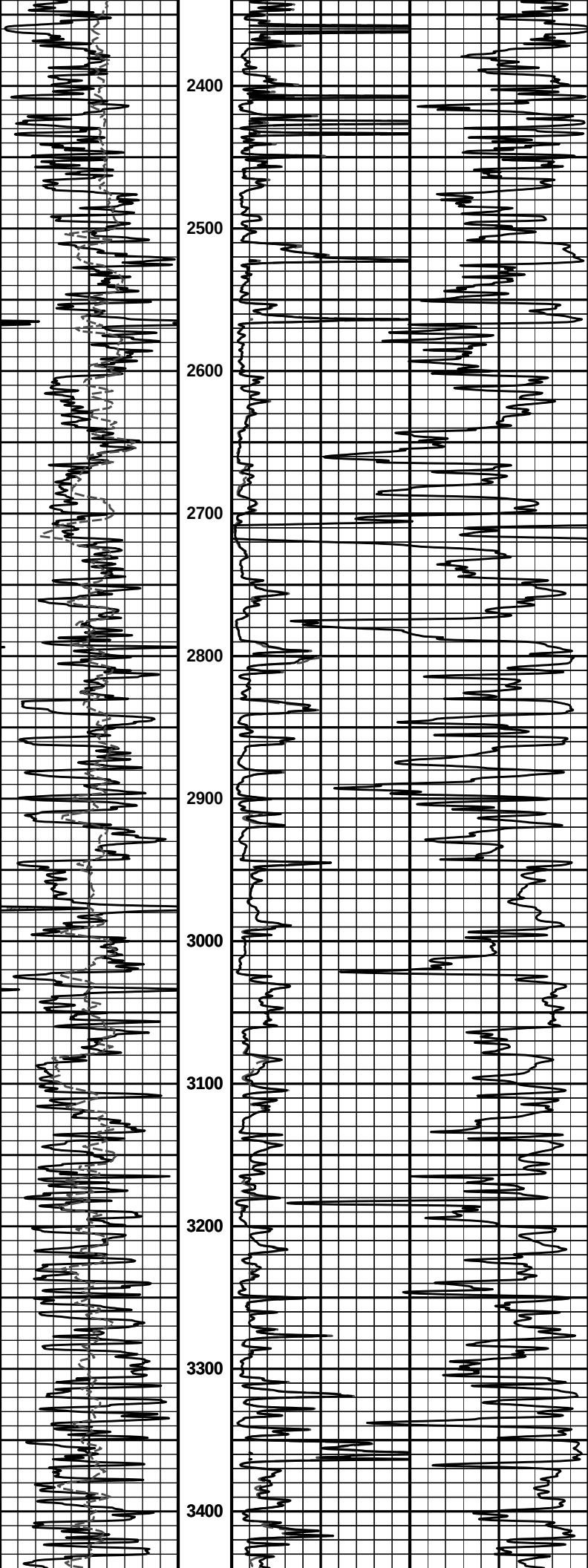
ARRAY COMPENSATED
TRUE RESISTIVITY
LOG

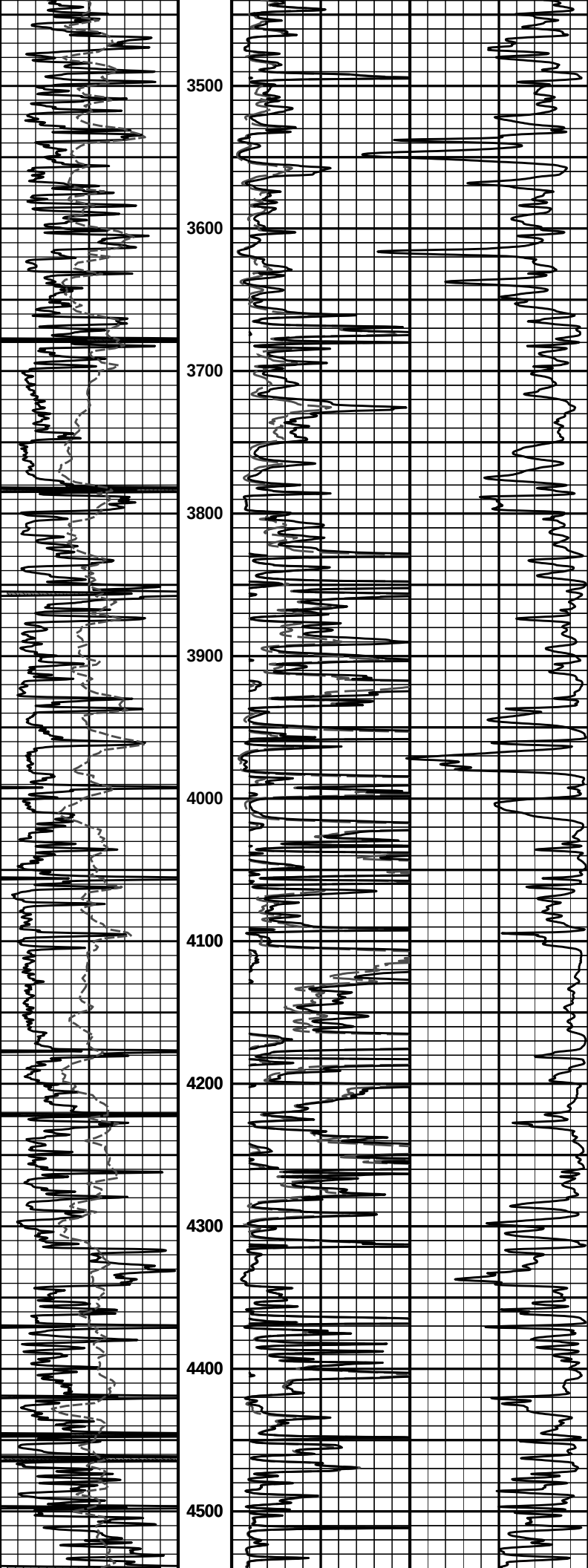
HALLIBURTON

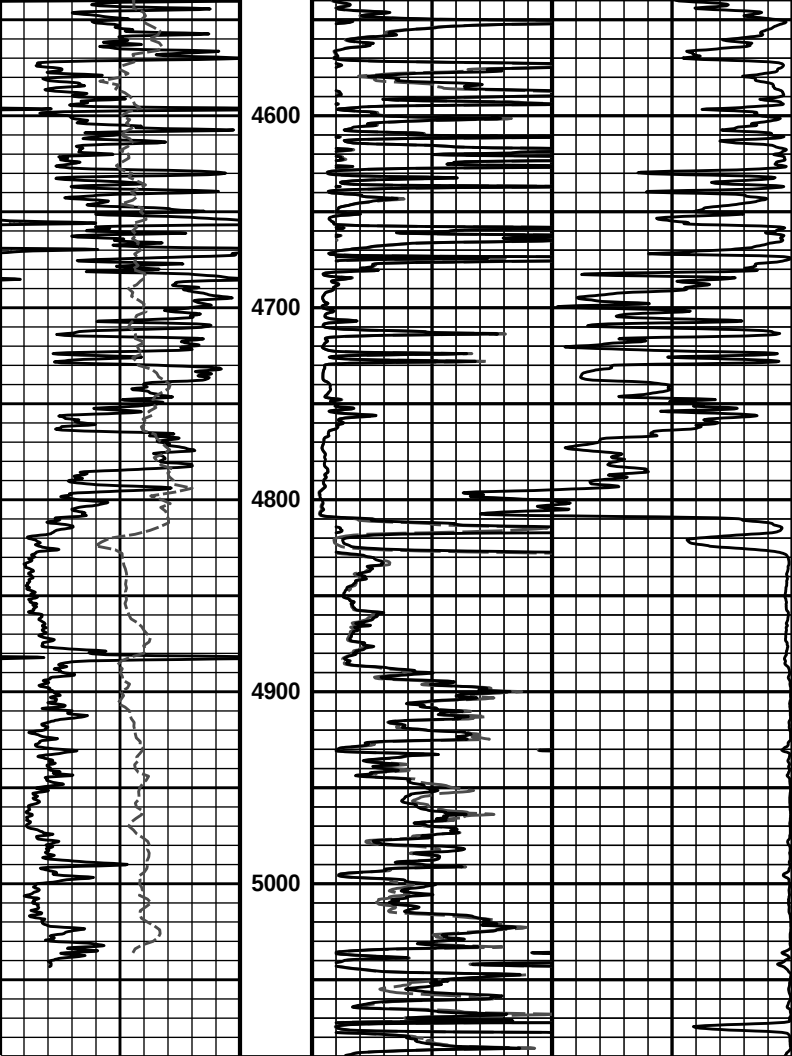
Plot Time: 04-Mar-12 04:49:40
Plot Range: 1790 ft to 5090 ft
Data: GARDEN_CITY_T_2\Well Based\DETAIL\
Plot File: \\LOCAL-IGARDEN_CITY_T_2L...ACRT_1.lib

1 INCH MAIN LOG









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

HALLIBURTON

Plot Time: 04-Mar-12 04:49:41
Plot Range: 1790 ft to 5090 ft
Data: GARDEN_CITY_T_2\Well Based\DETAIL\
Plot File: \\LOCAL-GARDEN_CITY_T_2\...ACRT_1.lib

1 INCH MAIN LOG