



KANSAS CORPORATION COMMISSION 1107398
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1107398

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Customer <i>UNIT P&W</i>	Lease No.	Date <i>04-01-12</i>	
Lease <i>KITTS SWD</i>	Well # <i>1</i>		
Field Order # <i>6057</i>	Station <i>PRATT KS</i>	Casing <i>1 3/8</i>	Depth <i>234'</i>
Type Job <i>CW 13 7/8 Sulfur</i>		Formation	Legal Description <i>20-34-8</i>
County <i>HARPER</i>		State <i>KS</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>1 3/8</i>							Max	5 Min.
Depth <i>234'</i>	Depth	From	To	Pre Pad			Min	10 Min.
Volume <i>30</i>	Volume	From	To	Pad			Avg	15 Min.
Max Press <i>500</i>	Max Press	From	To	Frac			HHP Used	Annulus Pressure
Well Connection <i>Sulfur</i>	Annulus Vol.	From	To				Gas Volume	Total Load
Plug Depth <i>194'</i>	Packer Depth	From	To	Flush				

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Plant</i>
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Service Units	<i>37910</i>	<i>33718</i>	<i>29970</i>	<i>19832</i>	<i>91010</i>	<i>19831</i>	<i>19822</i>			
Driver Names	<i>Sullivan</i>	<i>Mikesel</i>	<i>Phyo</i>		<i>Pinson</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>6:40</i>					<i>all loc softy med</i>
					<i>Run 5 sts 1 3/8 48 csg.</i>
					<i>BASED 4A out 1, 3, 5</i>
					<i>Insert float</i>
<i>6:00</i>					<i>CASING on bottom</i>
<i>6:10</i>					<i>Hook Rip circ.</i>
<i>6:30</i>	<i>250</i>		<i>4</i>	<i>3</i>	<i>At SPACER</i>
				<i>5</i>	<i>At inside cont 395 cement 2% cc 1/4 96 Cellulose</i>
			<i>84</i>		<i>cont mixed.</i>
				<i>9.5</i>	<i>At Deep</i>
<i>7:00</i>	<i>350</i>		<i>32</i>		<i>plug down</i>
					<i>circ 30 BAC cont to pit</i>
					<i>Job complete</i>
					<i>Thank you</i>



TREATMENT REPORT

energy services, L.P.

Customer <i>UPIT PRATT</i>	Lease No.	Date <i>04-05-12</i>
Lease <i>KITTS SWO</i>	Well # <i>1</i>	
Field Order # <i>0853</i>	Station <i>PRATT KS</i>	Casing <i>9 5/8</i>
		Depth <i>1535'</i>
Type Job <i>CNW 9 5/8 Surface</i>	Formation	County <i>HARPER</i>
		State <i>KS</i>
		Legal Description <i>20-34-9</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>7-7/8</i>	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <i>1535'</i>	Depth	From	To	Pre Pad	Max			5 Min.
Volume <i>115</i>	Volume	From	To	Pad	Min			10 Min.
Max Press <i>1,000</i>	Max Press	From	To	Frac	Avg			15 Min.
Well Connection <i>Surface</i>	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth <i>1415</i>	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert Sullivan</i>
Service Units <i>37900</i>	<i>19909</i>	<i>19903</i>
<i>19960</i>	<i>19918</i>	<i>19931</i>
<i>21010</i>		
Driver Names <i>Coleman</i>	<i>Phoe</i>	<i>Lowance</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>12:00</i>					<i>oil loc soft, more</i>
					<i>RUN 37.575 9 5/8 36" csg.</i>
<i>5:30</i>					<i>CASING ON BOTTOM</i>
<i>5:40</i>					<i>HOUL'NG CIRC</i>
<i>6:45</i>	<i>200</i>		<i>5</i>	<i>3</i>	<i>SPACER</i>
			<i>113</i>	<i>4.5</i>	<i>MIX A-COD CMT 300SK 3%CC 1/4 COTTLE</i>
			<i>64</i>		<i>MIX TAIL COMOV 300SK 3%CC 1/4 COTTLE</i>
					<i>CMT MIXED</i>
				<i>4</i>	<i>RT DND</i>
			<i>60</i>	<i>2.5</i>	<i>SLOWRATE</i>
<i>8:00</i>	<i>500</i>		<i>115</i>		<i>Plug down</i>
					<i>Release PSI float hold</i>
					<i>circ 25 bbl to pit</i>
					<i>JOB COMPLETE</i>
					<i>Thank you</i>

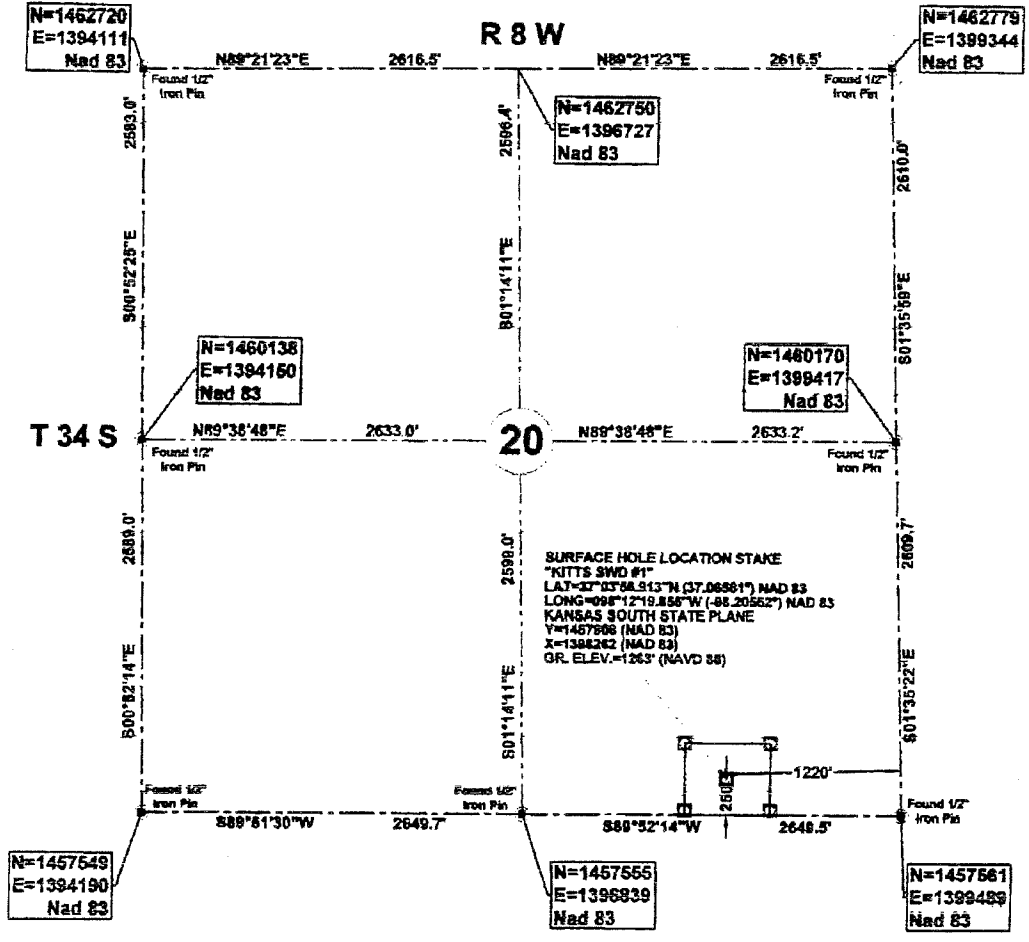
Customer UNIT Petro	Lease No.	Date 04-11-12
Lease KITTS SWD	Well # 1	
Field Order #	Station PRATT KS	Casing" 7
Type Job CNW 7" LONG STAG	Depth 5372'	County HARPER
	Formation	State KS
		Legal Description 20-34-8

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size"	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5372'	Depth	From	To	Pre Pad	Max		5 Min.	
203	Volume	From	To	Pad	Min		10 Min.	
2000	Max Press	From	To	Frac	Avg		15 Min.	
P.C	Well Connection	From	To		HHP Used		Annulus Pressure	
5336	Plug Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager DAVE SCOTT	Treater Robert Sullivan
Service Units 37900 33708 20920 19960 19918		
Driver Names Sullivan Nelson Phye		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:45					ON loc. safety meeting
					RUN 1200 JTS 7" 26 csp.
8:00					CASING ON BOTTOM
8:15					HOOK UP TO CIRC.
10:20	400		12	3	RT MOD FLUSH
			5		SPACER
			39	5	MIX 115 SK A-CON CNT @ 13.0 PPM
					2% CC 2% C-45 2% 94 PPM 1/4 SK CATHOLIC
	500		36		MIX 140 SK AA-2 CNT @ 15.0 PPM 15% FLUSH LOG
					.3% C-37 .2% DEFAMER 5% 94 PPM 10% SALT
					.5 1/4 CATHOLIC .25% CATHOLIC
					CNT MIXED SET DOWN WASH, PUMP, LIDEN
					Polys Whip
	300			6	RT DESP
	850		145		LIFT PSI
	1300			4	SLOW RATE
11:25	2000		203		PLUG DOWN
					JOB COMPLETE
					Thank you

Section 20, T 34 S, R 8 W., Harper County, Kansas.



48 HOURS BEFORE YOU DIG...
CALL KANSAS ONE-CALL
1-800-344-7233



KANSAS ONE-CALL SYSTEM

Buried utilities are not necessarily shown. It is the contractor's responsibility to locate and preserve all utility services.
Contractor is responsible for contacting all utility companies prior to construction.

Description: Surface Hole Location Stake "Kitts SWD #1" situated 250 feet from the south section line and 1220 feet from the east section line of Section 20, T 34 S, R 8 W., Harper County, Kansas.

We do hereby certify that this survey was done in accordance to records, maps and other information as provided to us by the client herein named and that great care was taken in the actual staking of this well and the determination of any obstacles thereupon. However, the accuracy of this survey is not guaranteed and if there appears to be any discrepancy, please notify us immediately.

02-15-12
Rogers

BEARINGS (NAD 83) KANSAS SOUTH STATE PLANE COORDINATES

LEGEND

- SECTION LINE
- 1/4 SECTION LINE

Survey is valid only if print has original seal and signature of surveyor present

JVIDENS LAND SURVEY CO., INC. 1210 19TH STREET / P.O. BOX 943 WOODWARD, OKLAHOMA 73802 Phone 580-288-7174 - Fax 580-288-3424 roger@jvidenslandsurvey.com mlr@jvidenslandsurvey.com	Survey For: Unit Petroleum Co. P.O. Box 2726 Woodward, OK 73802 Attn: Jason Rummy	JOB 080-12	DATE OF PLAT 02-14-2012	SCALE 1"=1000'	SHEET 1 OF 6
	DRAWN BY R.D.J.		OKLA. CA #2064, EXP. 08/30/2018 KANSAS CA #145, EXP. 12/31/2012		

HALLIBURTON

ARRAY COMPENSATED TRUE RESISTIVITY LOG

UNIT PETROLEUM
KITTS SWD #1
WILDCAT
HARPER
KANSAS

COMPANY UNIT PETROLEUM
WELL KITTS SWD #1
FIELD WILDCAT
COUNTY HARPER
STATE KANSAS

COMPANY
WELL
FIELD
COUNTY
STATE

Sec. 20 **Twp. 34S** **Rge. 8W**
GROUND LEVEL
KELLY BUSHING
KELLY BUSHING

Elev. 1260.0 ft
Elev.: K.B. 1272.0 ft
D.F. 1271.0 ft
G.L. 1260.0 ft

API No. 15-077-21827
Location 250' FSL & 1320' FEL

Other Services:
MICRO
DSNT / SDLT

Permanent Datum Log measured from
Drilling measured from

Date	09-Apr-12	Run No.	ONE
Depth - Driller	5362.00 ft	Depth - Logger	5347.0 ft
Bottom - Logged Interval	5338.0 ft	Top - Logged Interval	1535.0 ft
Casing - Driller	9.625 in	Casing - Logger	1535.0 ft
Bit Size	8.750 in	Type Fluid in Hole	WATER BASED MUD
Density	9.3 ppg	Viscosity	41.00 scqt
PH	9.60 pH	Fluid Loss	8.0 cpm
Source of Sample	FLOWLINE	Rm @ Meas. Temperature	1.200 ohmm @ 70.00 degF
Rmf @ Meas. Temperature	1.07 ohmm @ 66.00 degF	Rmc @ Meas. Temperature	1.420 ohmm @ 66.00 degF
Source Rmf	MEASURED	Rmc	MEASURED
Rm @ BHT	0.70 ohmm @ 131.0 degF	Time Since Circulation	7.4 hr
Time on Bottom	10-Apr-12 02:54	Max. Rec. Temperature	131.0 degF @ 5347.0 ft
Equipment	10782954	Location	LIBERAL
Recorded By	C. HAVERKAMP	Witnessed By	R. WILSON

Fold here

Service Ticket No.: 9423734		API Serial No.: 15-077-21827		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.
Rmf @ Meas. Temp.	@	@		ONE	ACRT	N/A	1.5" S.O.
Rmc @ Meas. Temp.	@	@			I1256_S0784		
Source Rmf	Rmc						
Rm @ BHT	@	@					
Rmf @ BHT	@	@					
Rmc @ BHT	@	@					
EQUIPMENT DATA							
GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	ONE	Run No.		Run No.		Run No.	
Serial No.	10811258	Serial No.		Serial No.		Serial No.	
Model No.	GTET	Model No.		Model No.		Model No.	
Diameter	3.625"	No. of Cent.		Diameter		Diameter	
Detector Model No.	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		DENSITY		NEUTRON	

Run No.	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix		
	From	To	ft/min	L	R	L	R		L	R		L	R			
	DIRECTIONAL INFORMATION															
ONE	TD	CSG	REC	0	150											
DIRECTIONAL INFORMATION																
Maximum Deviation								@	KOP				@			

Remarks: SP-GTET-DSNT-SDLT-ACRT RAN IN COMBINATION.
 ANNULAR HOLE VOLUME CALCULATED FOR 7 INCH CASING.
 CHLORIDES REPORTED AT 2100 MG/L.
 LCM REPORTED AT 4 LB/BBL.
 POST TOOL SURVESYS NOT PERFORMED PER CUSTOMER REQUEST.

TODAY'S CREW: A. VAQUERA, B. TERRELL

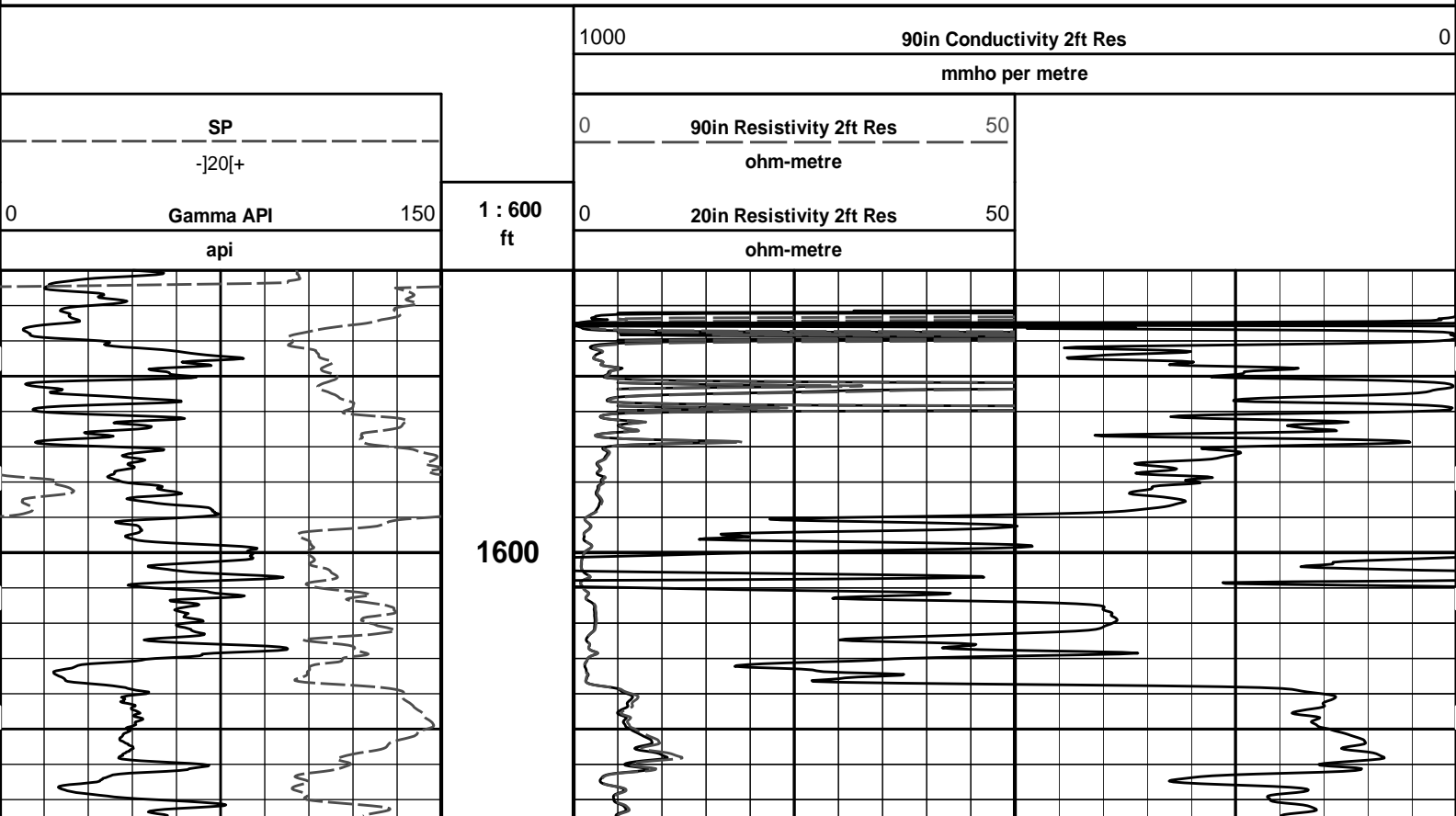
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES. LIBERAL, KS 620-624-8123

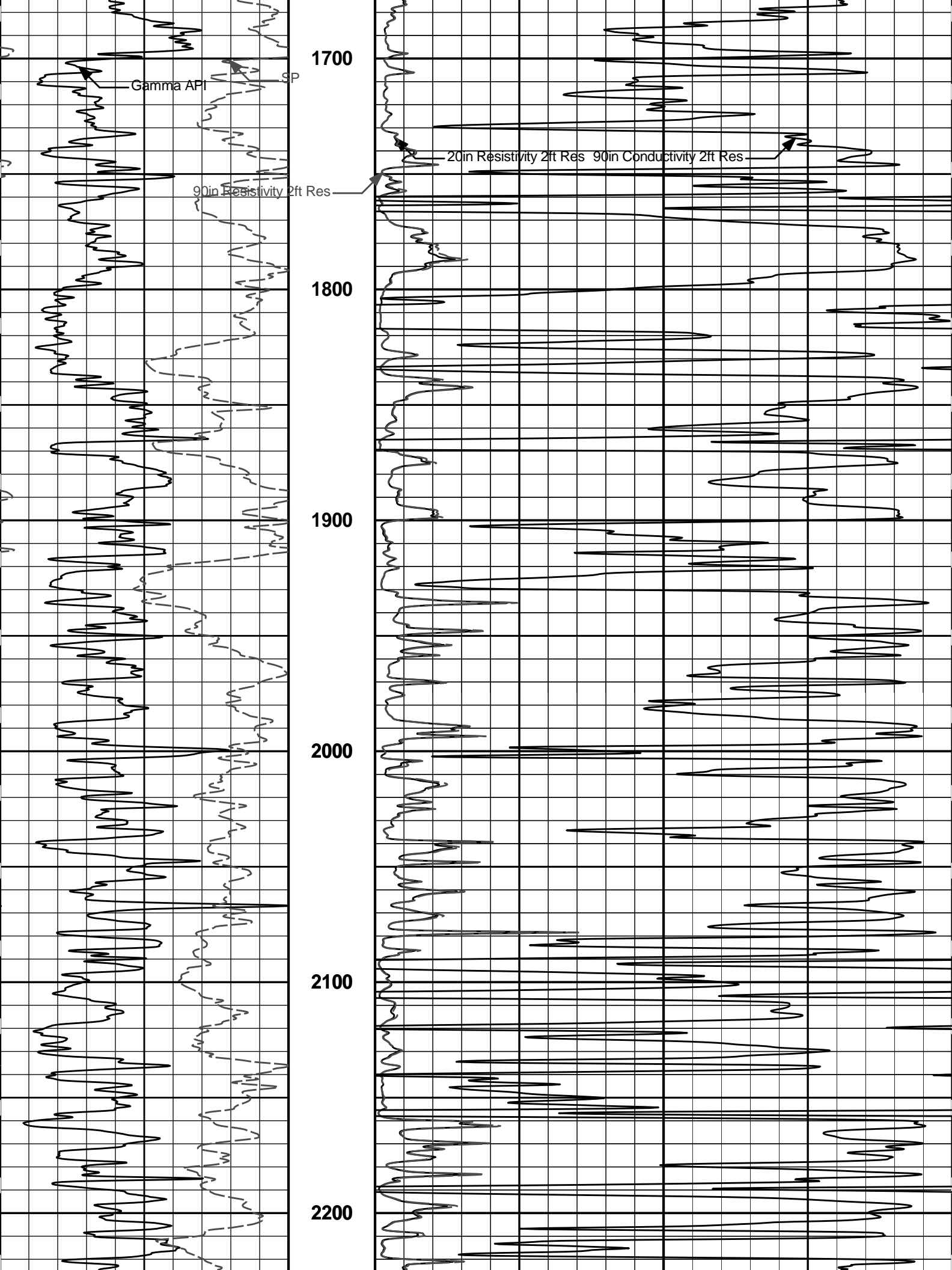
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR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

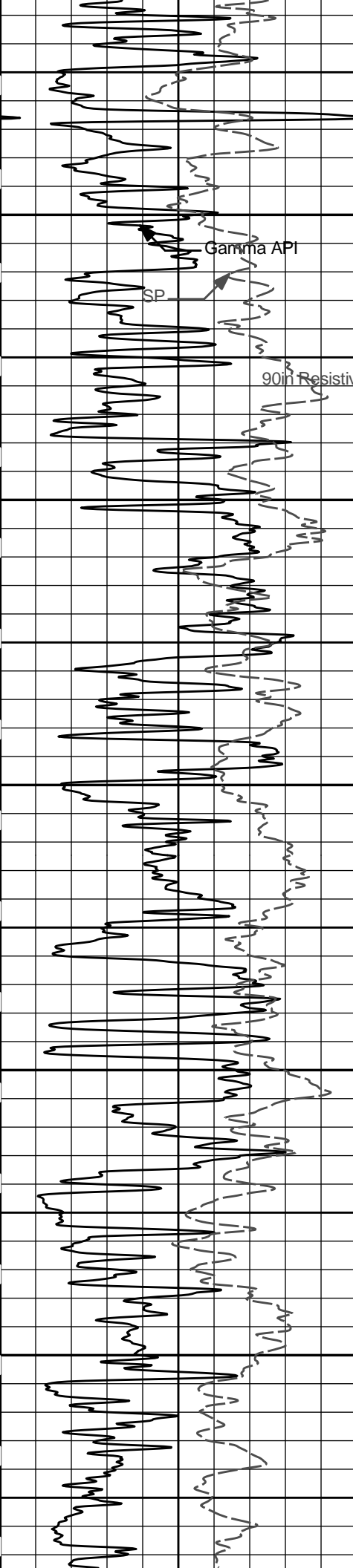
HALLIBURTON

HALLIBURTON Plot Time: 10-Apr-12 06:11:31
 Plot Range: 1520 ft to 5347.67 ft
 Data: KITTS_SWD_1\Well Based\MAIN
 Plot File: \\-LOCAL-\KITTS_SWD_1\0001 SP-GTET-DSN-SDL-ACRT-CHACRT\ACRT_2.lib

2 INCH MAIN LOG







2300

Gamma API

SP

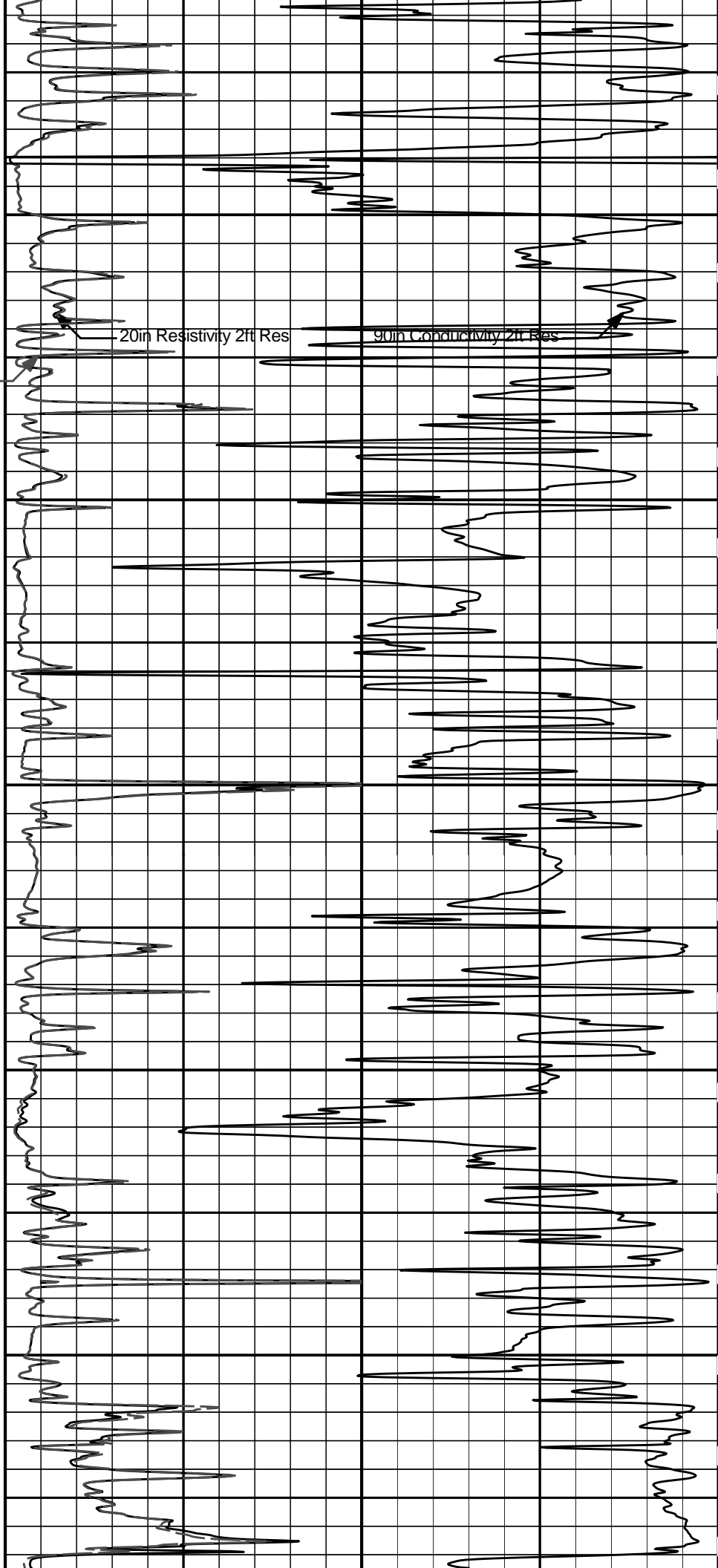
90in Resistivity 2ft Res

2400

2500

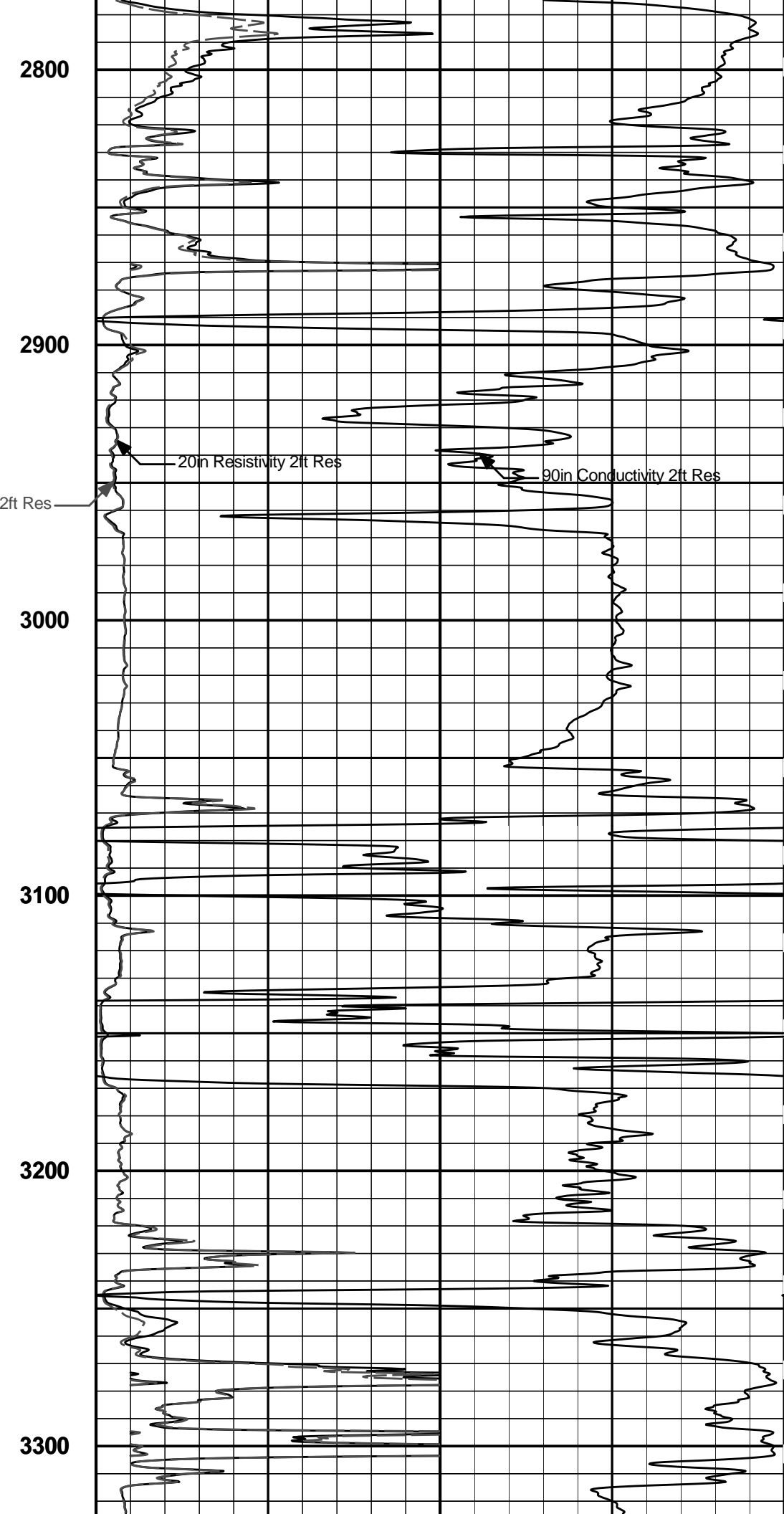
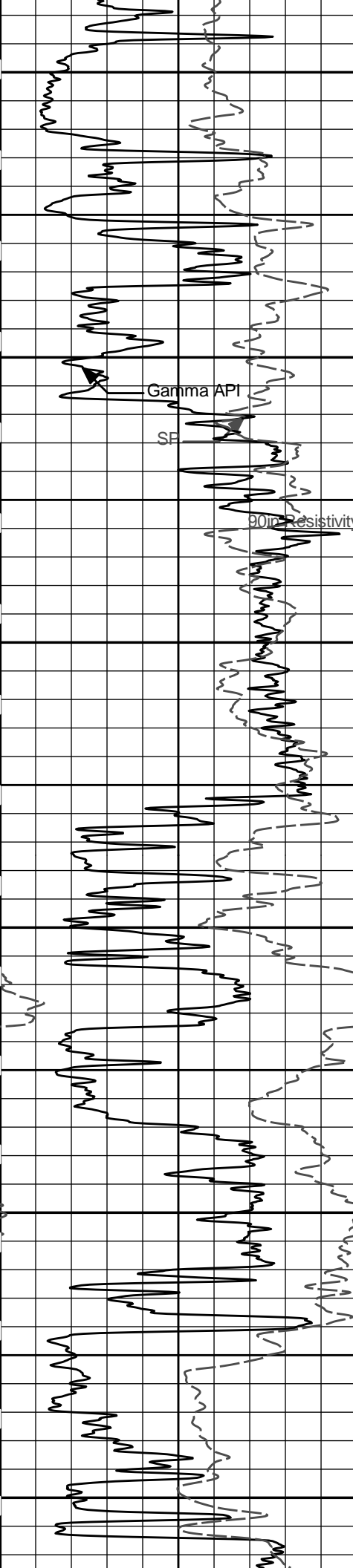
2600

2700



20in Resistivity 2ft Res

90in Conductivity 2ft Res



2800

2900

3000

3100

3200

3300

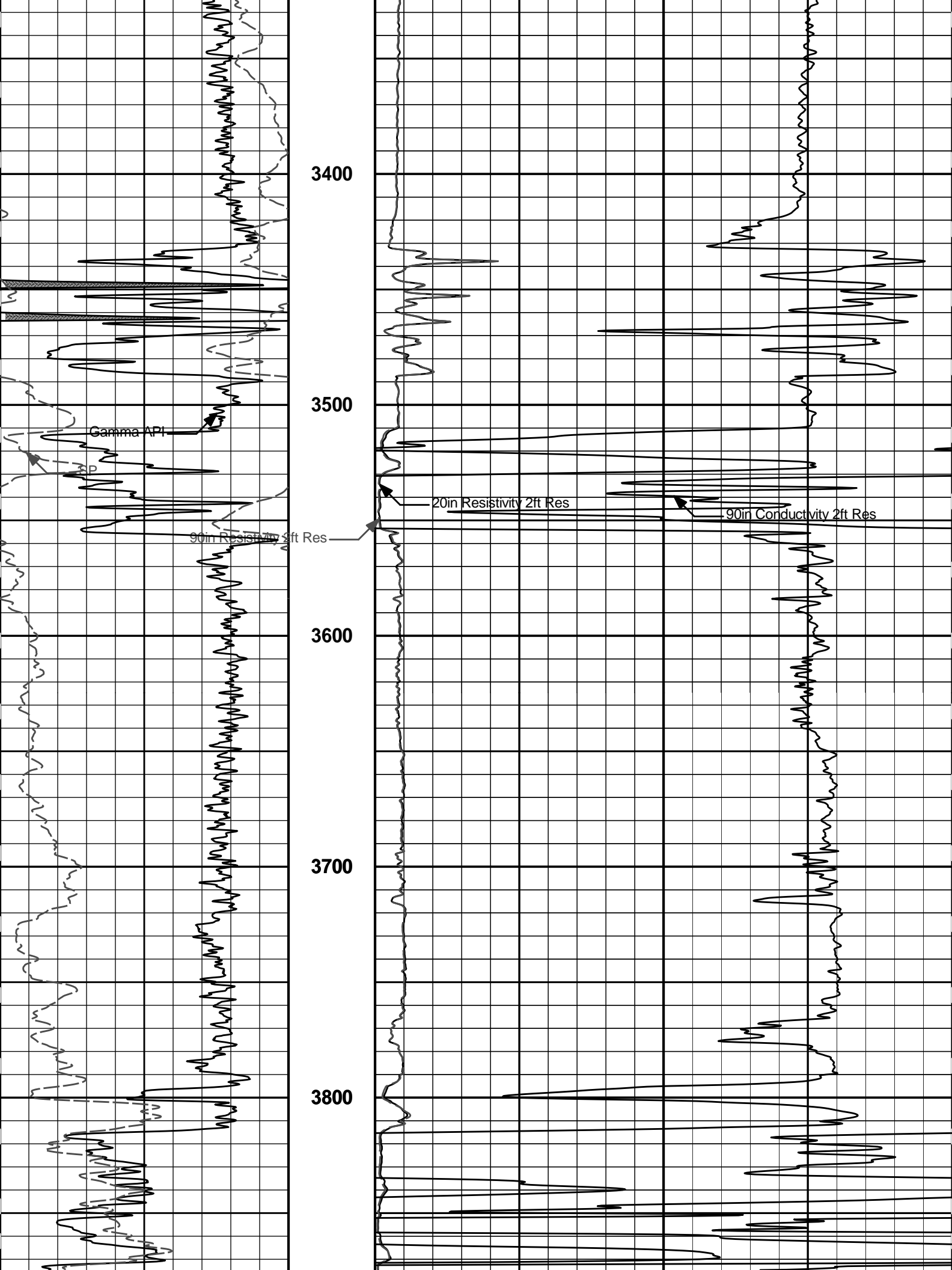
Gamma API

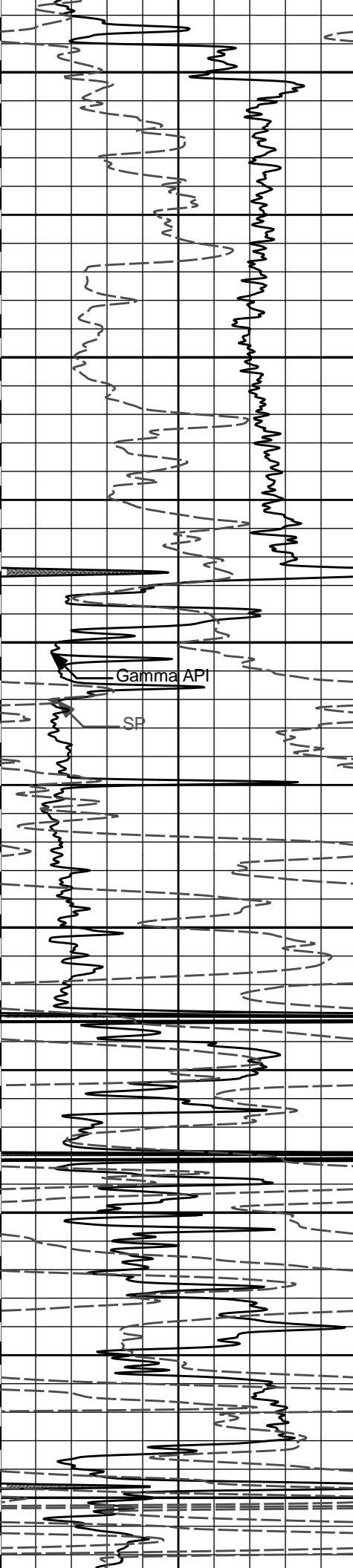
SF

90in Resistivity 2ft Res

20in Resistivity 2ft Res

90in Conductivity 2ft Res





3900

4000

4100

4200

4300

4400

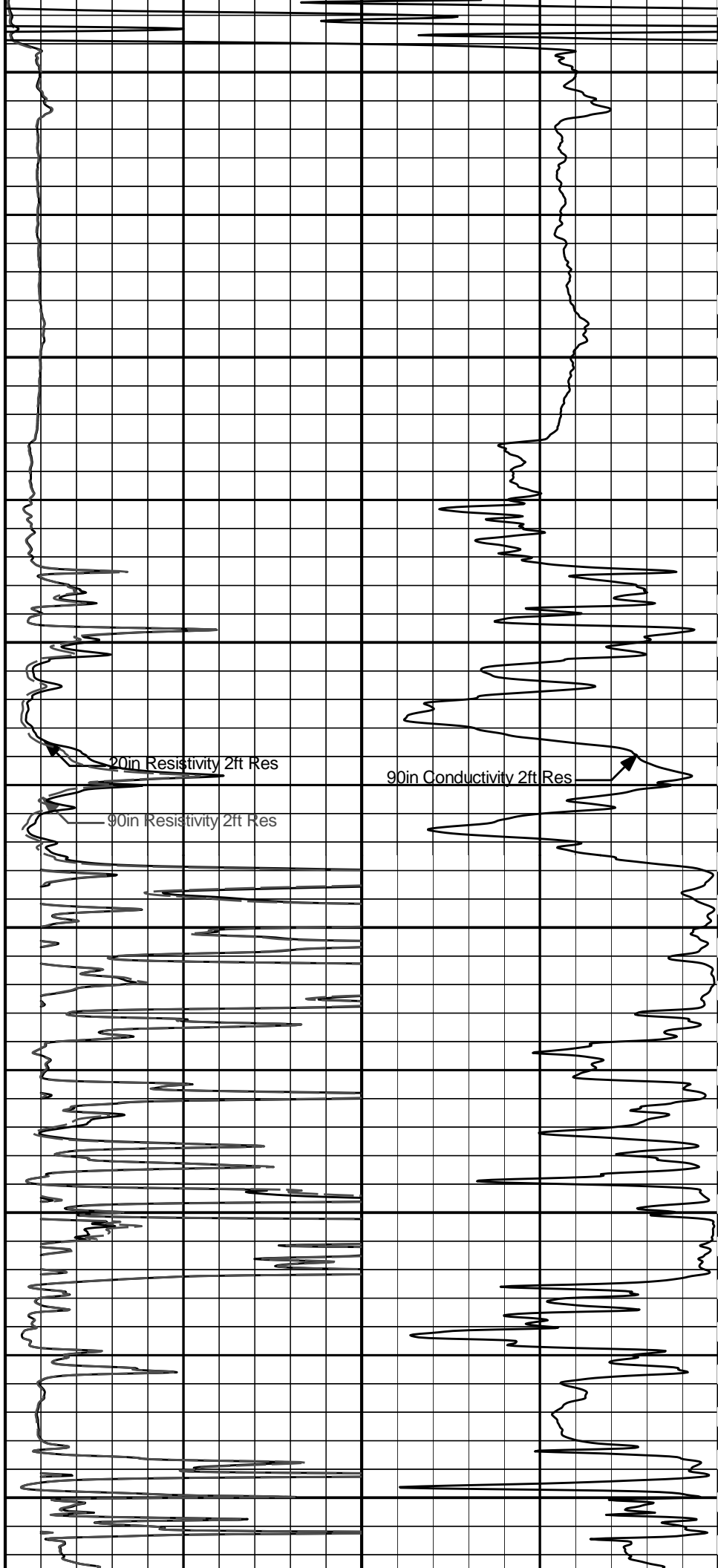
Gamma API

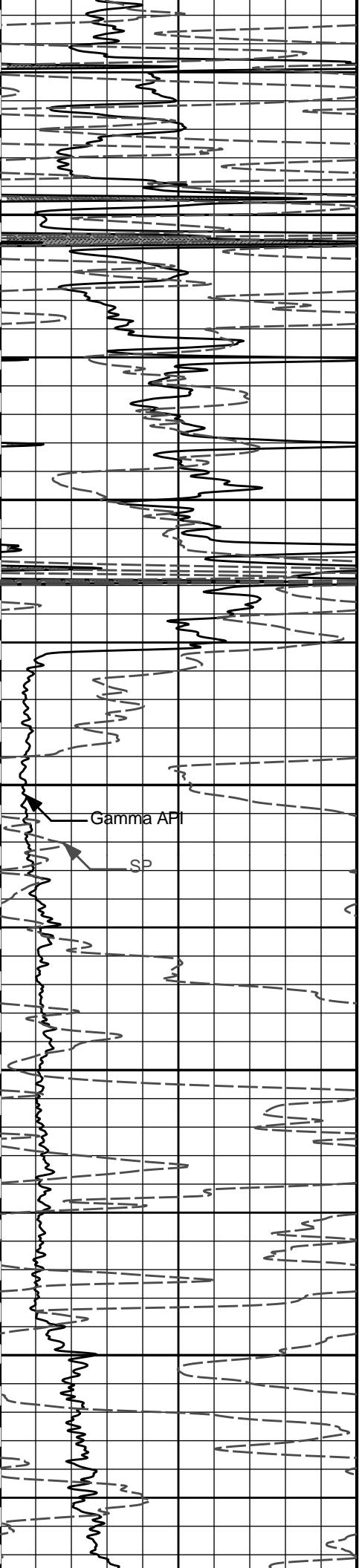
SP

20in Resistivity 2ft Res

90in Resistivity 2ft Res

90in Conductivity 2ft Res





4500

4600

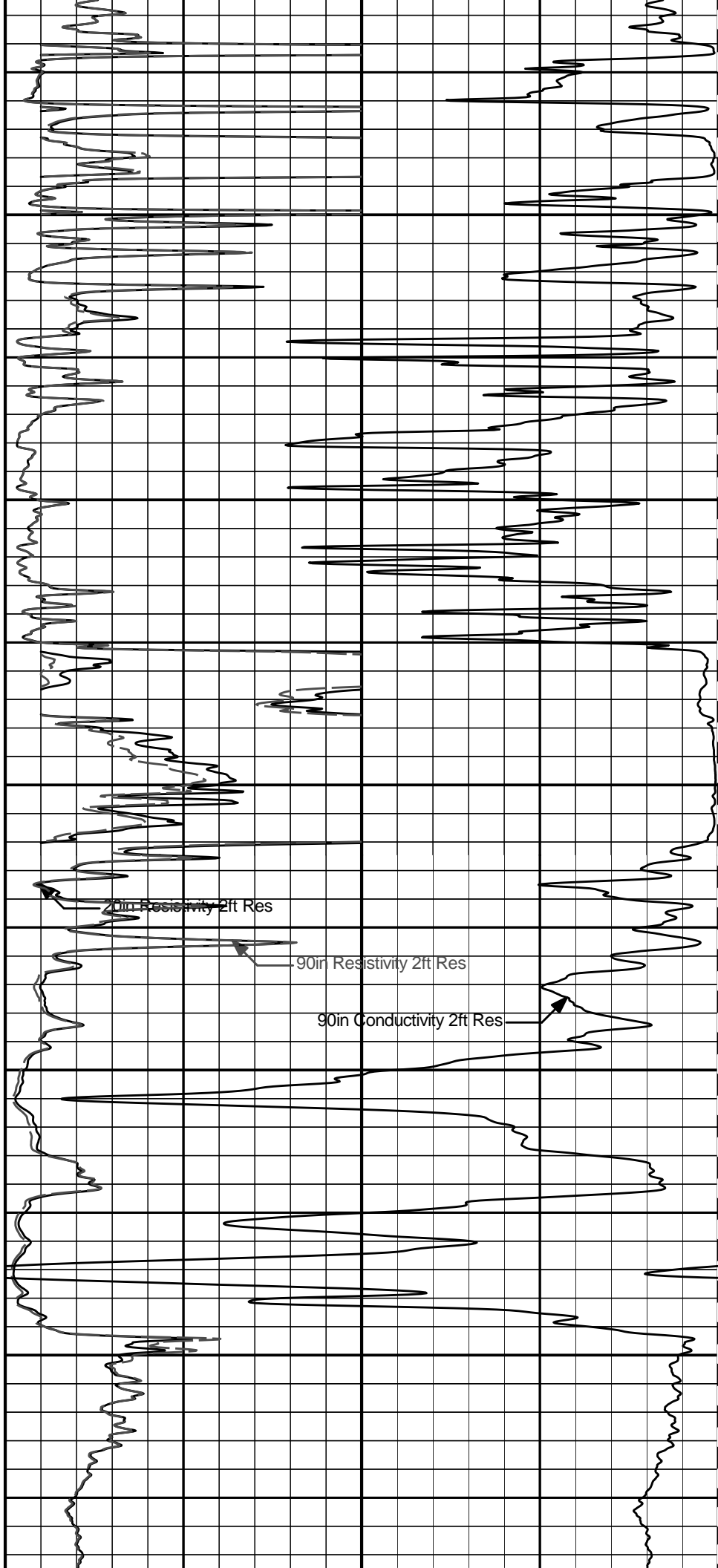
4700

Gamma API

SP

4800

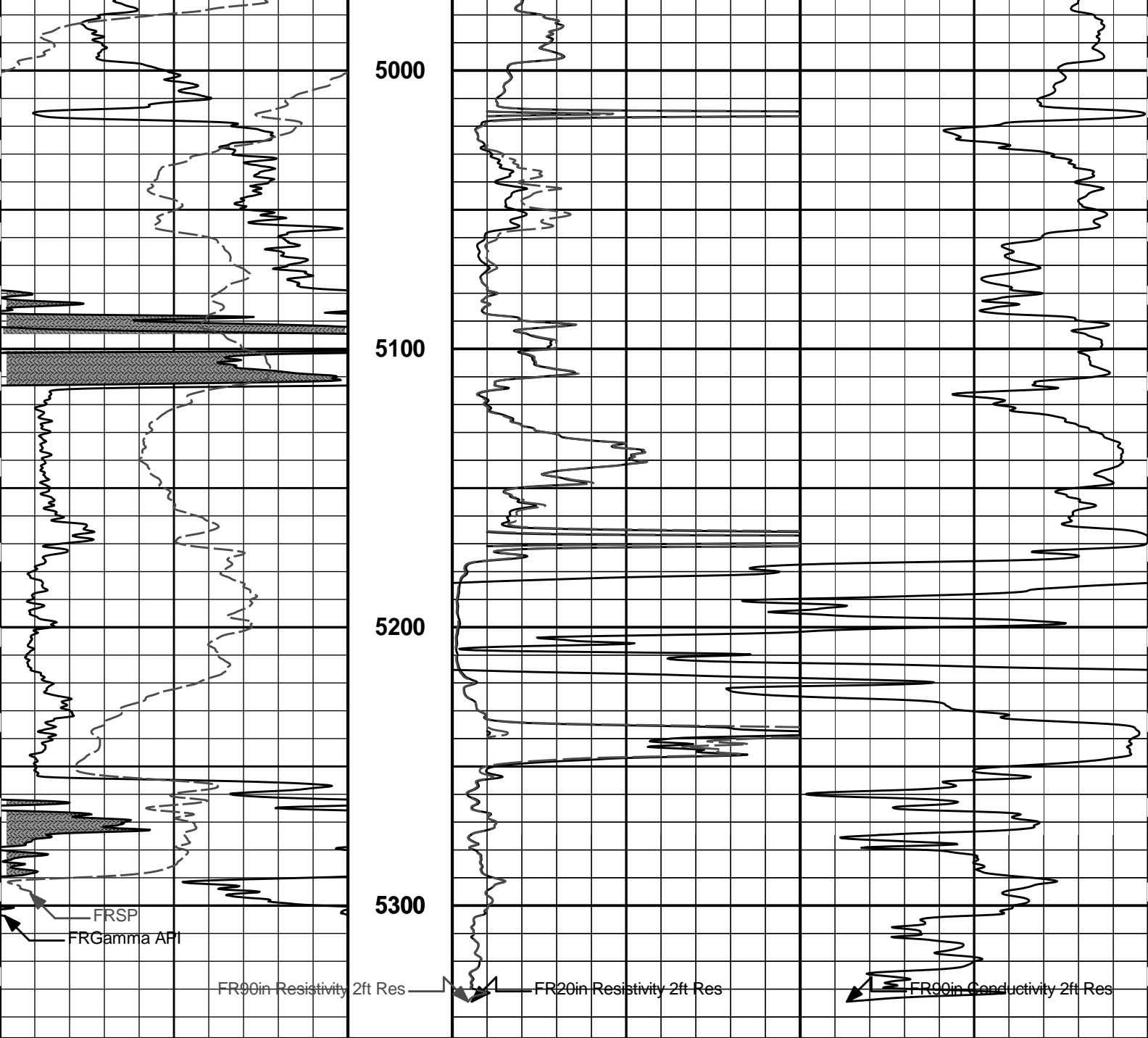
4900



20in Resistivity 2ft Res

90in Resistivity 2ft Res

90in Conductivity 2ft Res



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

HALLIBURTON

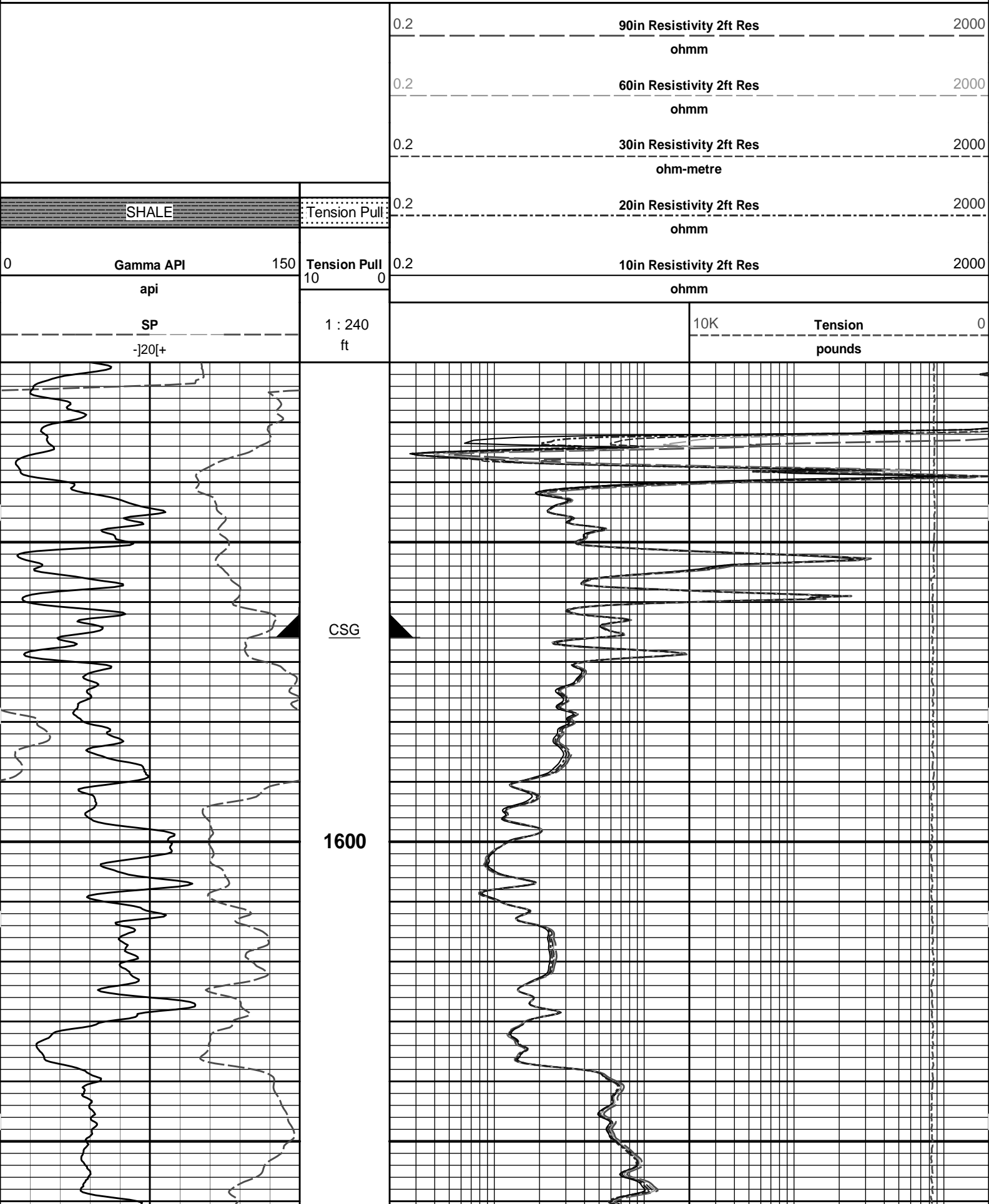
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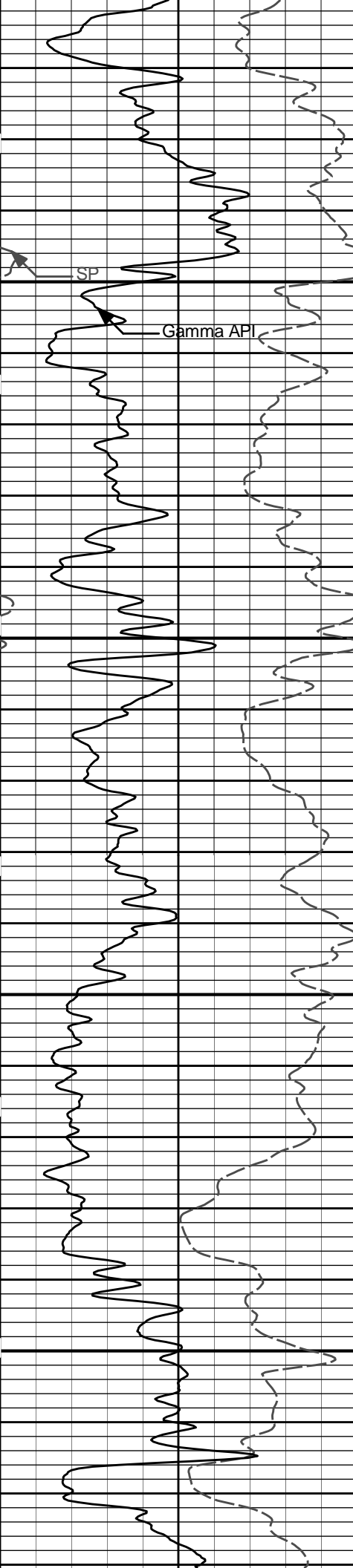
2 INCH MAIN LOG

HALLIBURTON

Plot Time: 10-Apr-12 06:11:45
 Plot Range: 1520 ft to 5347.67 ft
 Data: KITTTS_SWD_1\Well Based\MAIN

5 INCH MAIN LOG





1700

20in Resistivity 2ft Res

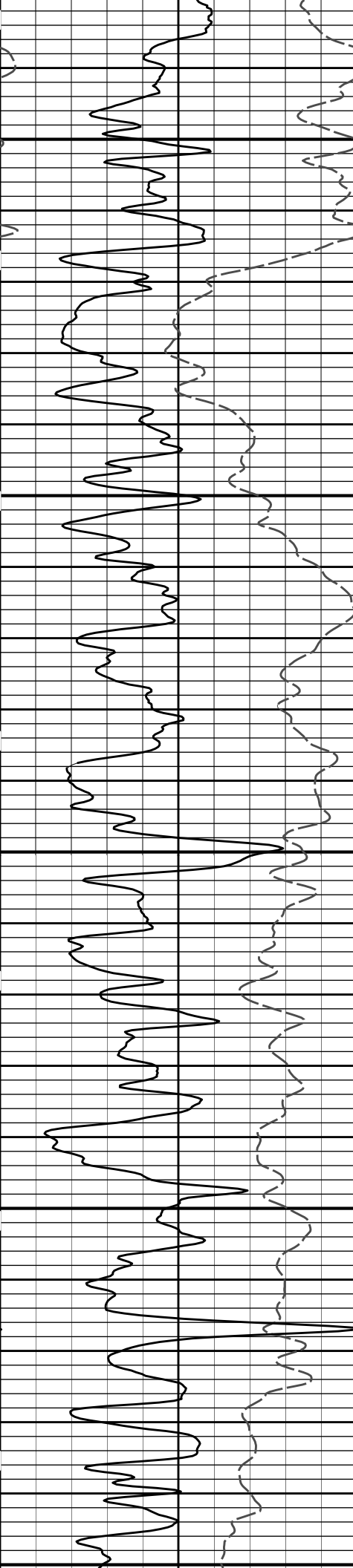
60in Resistivity 2ft Res

30in Resistivity 2ft Res

1800

90in Resistivity 2ft Res

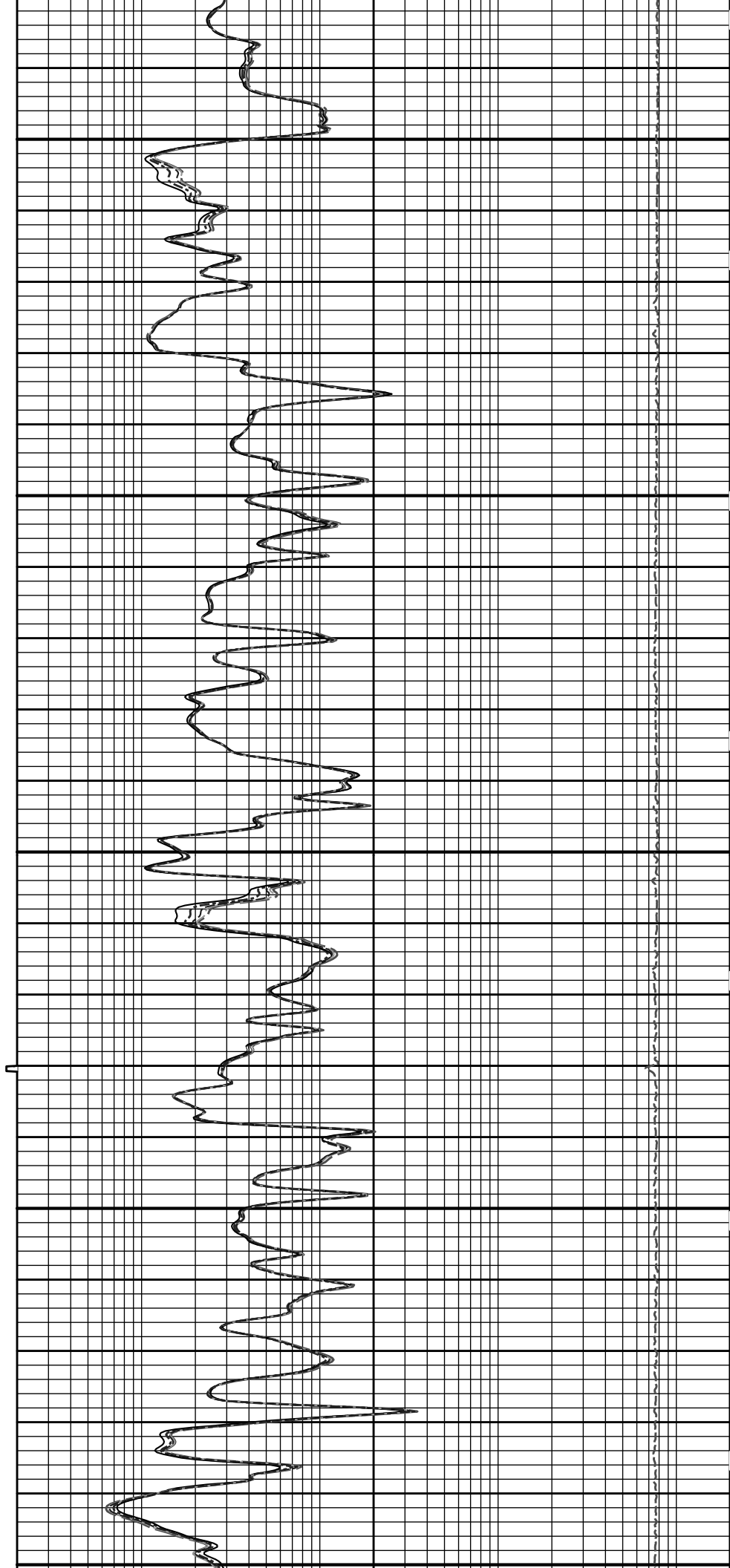
10in Resistivity 2ft Res

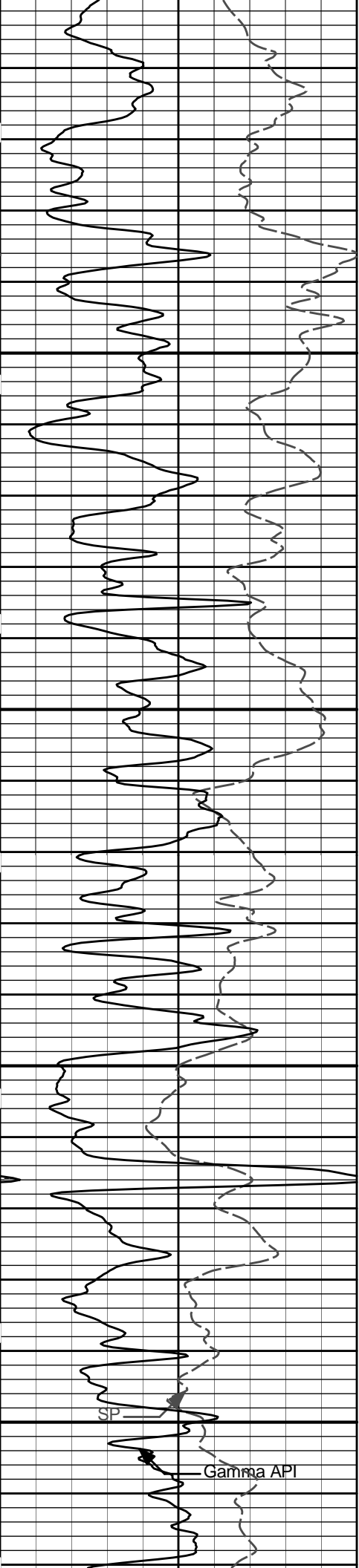


1900

2000

2100

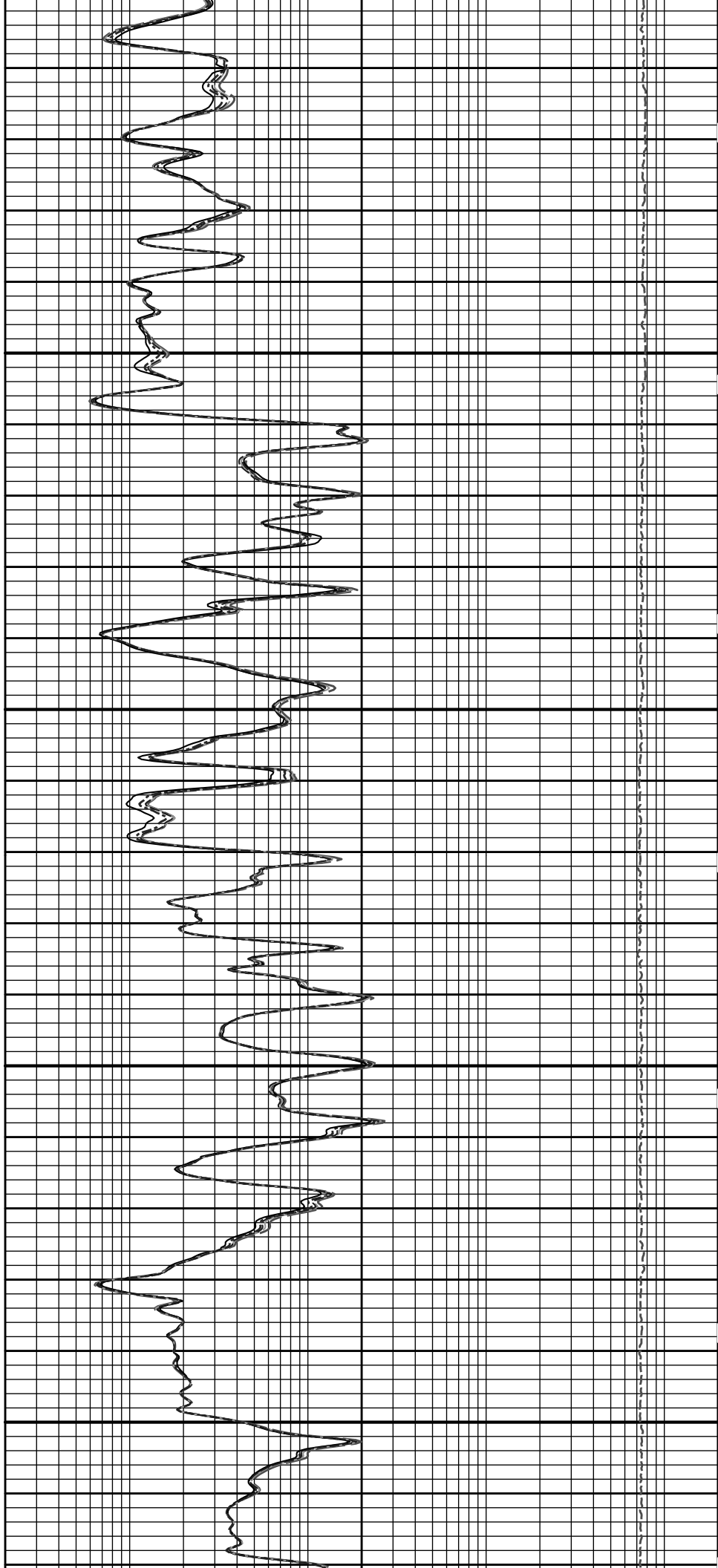


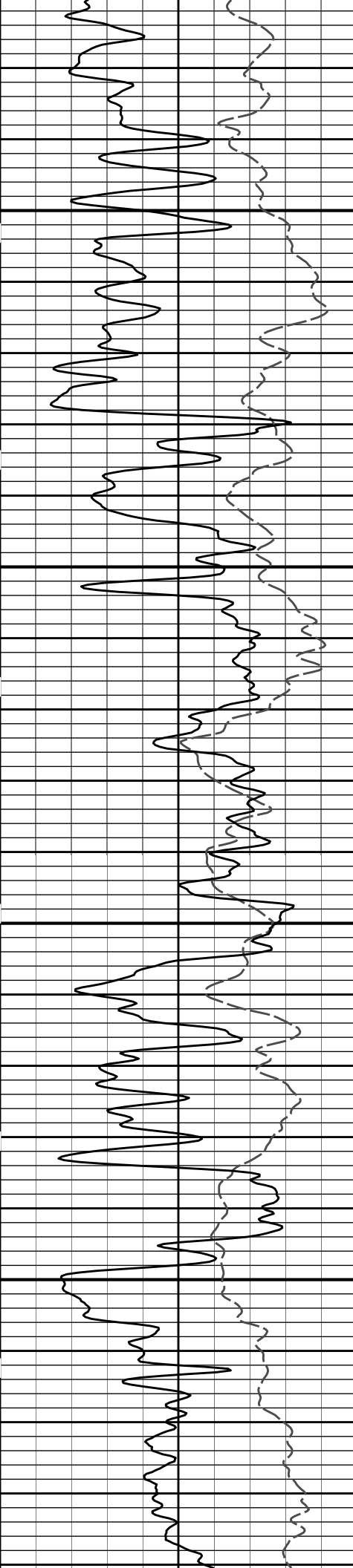


2100

2200

2300

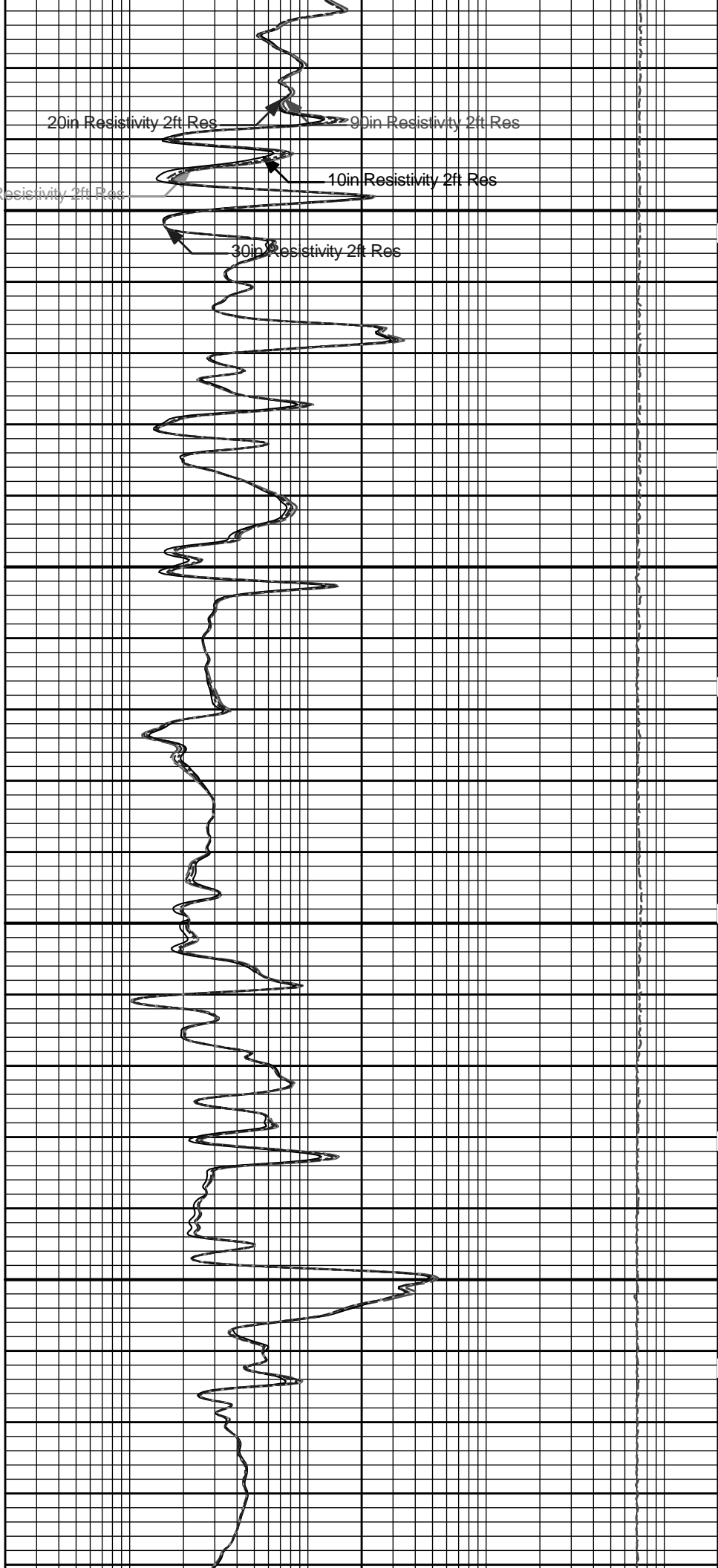


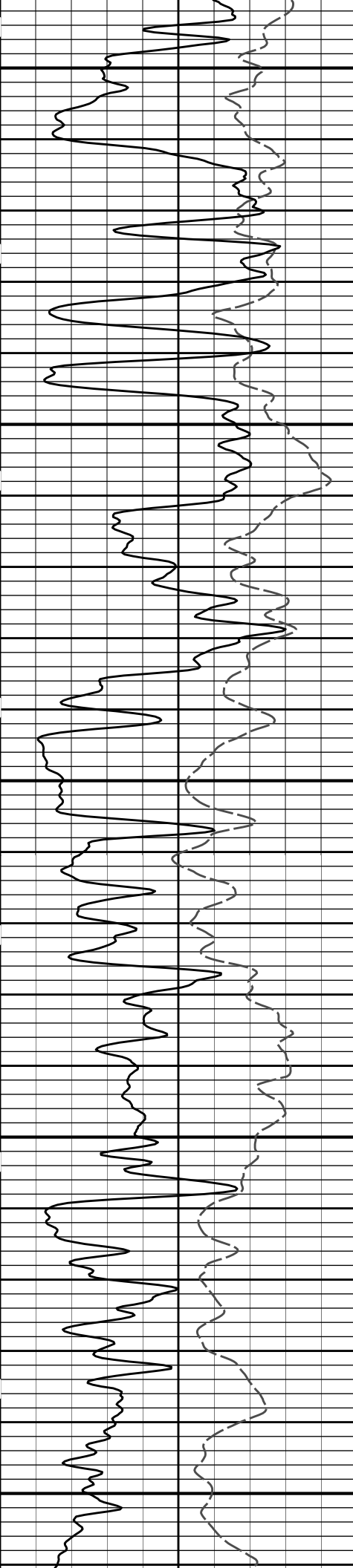


2400

2500

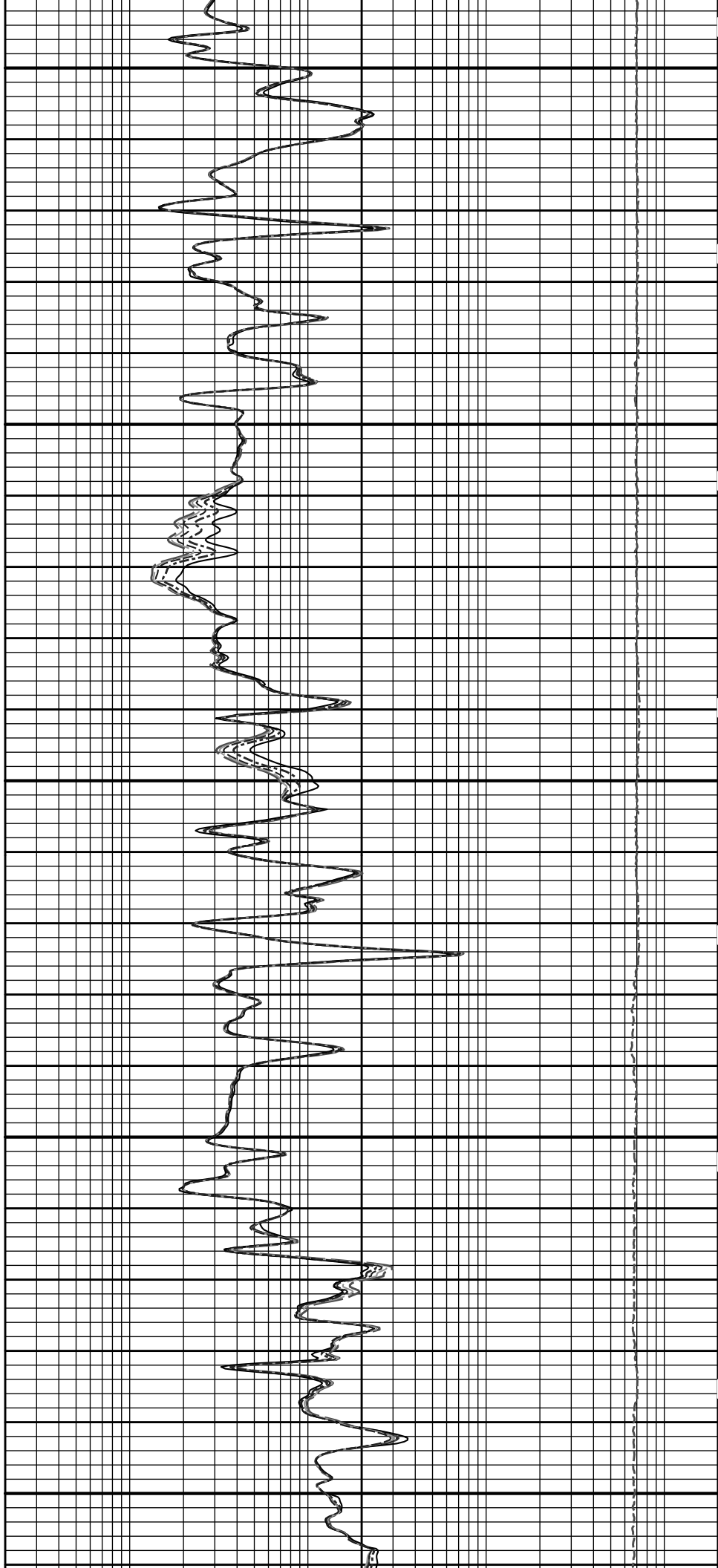
20in Resistivity 2ft Res
60in Resistivity 2ft Res
90in Resistivity 2ft Res
10in Resistivity 2ft Res
30in Resistivity 2ft Res

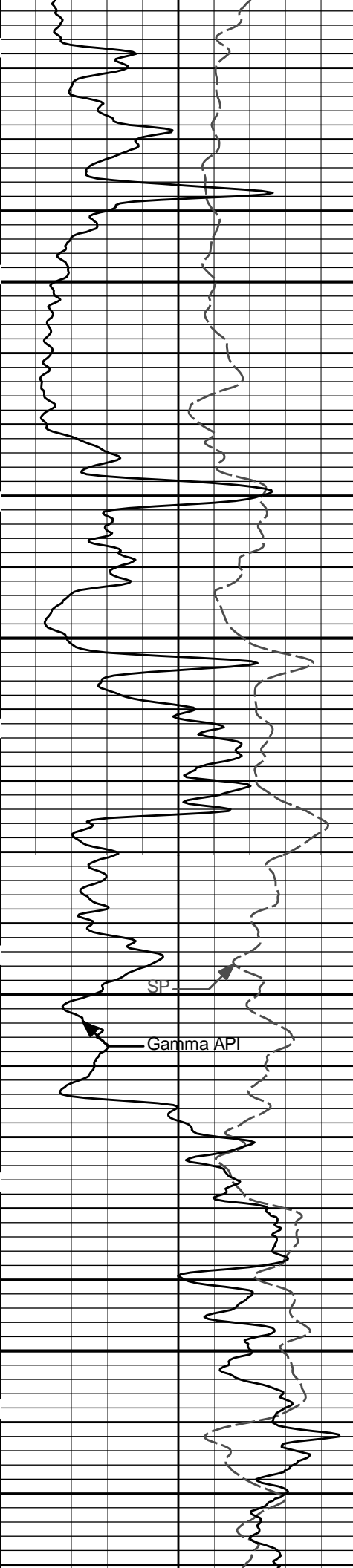




2600

2700





2800

2900

SP

Gamma API

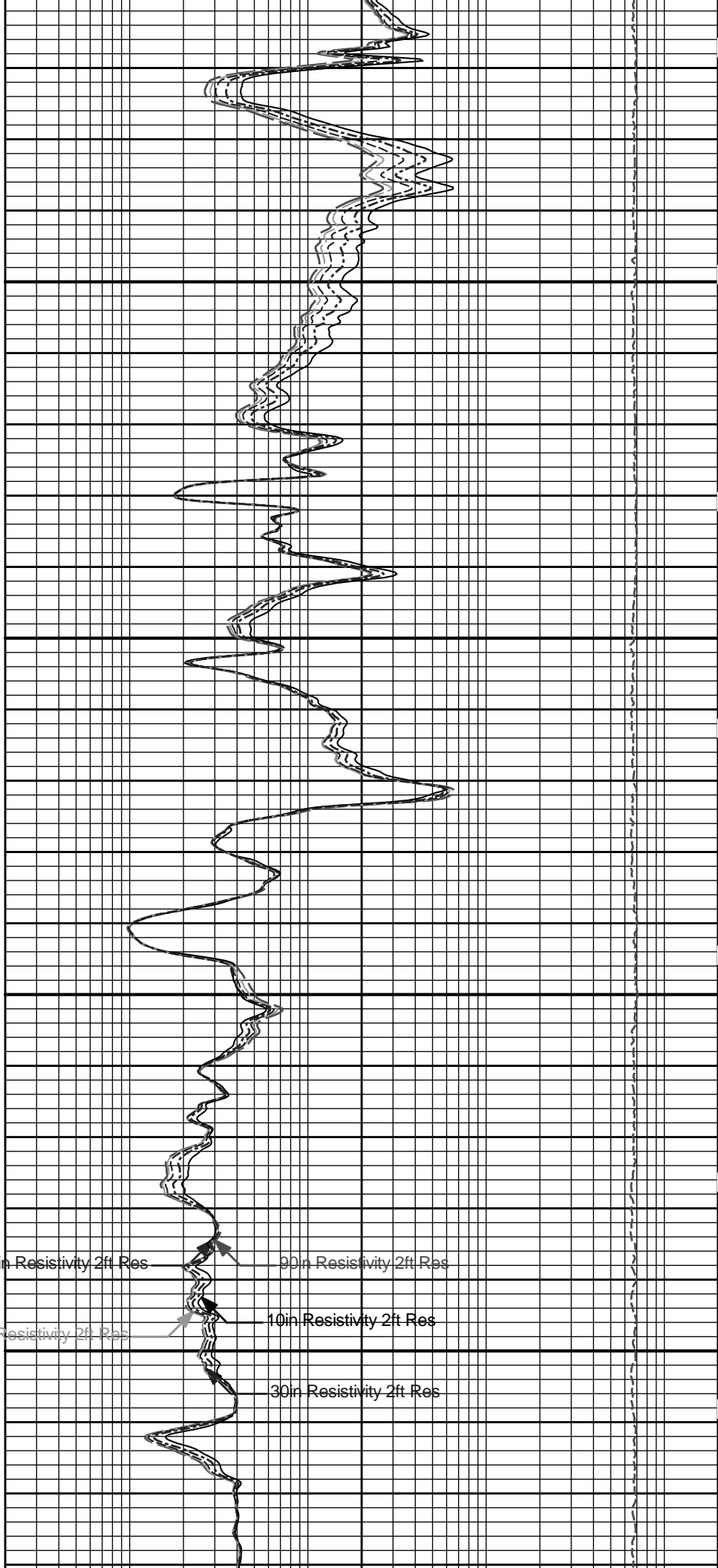
20in Resistivity 2ft Res

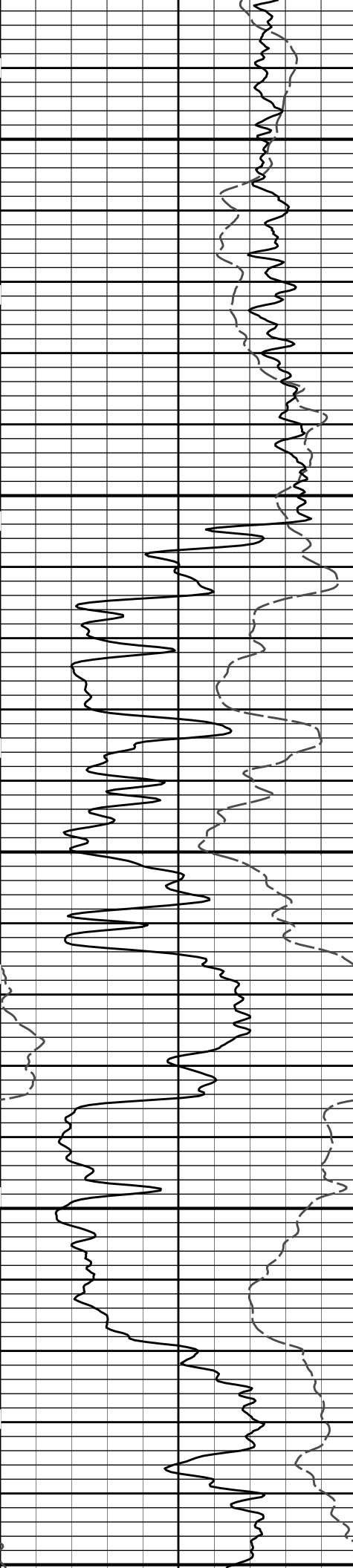
60in Resistivity 2ft Res

90in Resistivity 2ft Res

10in Resistivity 2ft Res

30in Resistivity 2ft Res

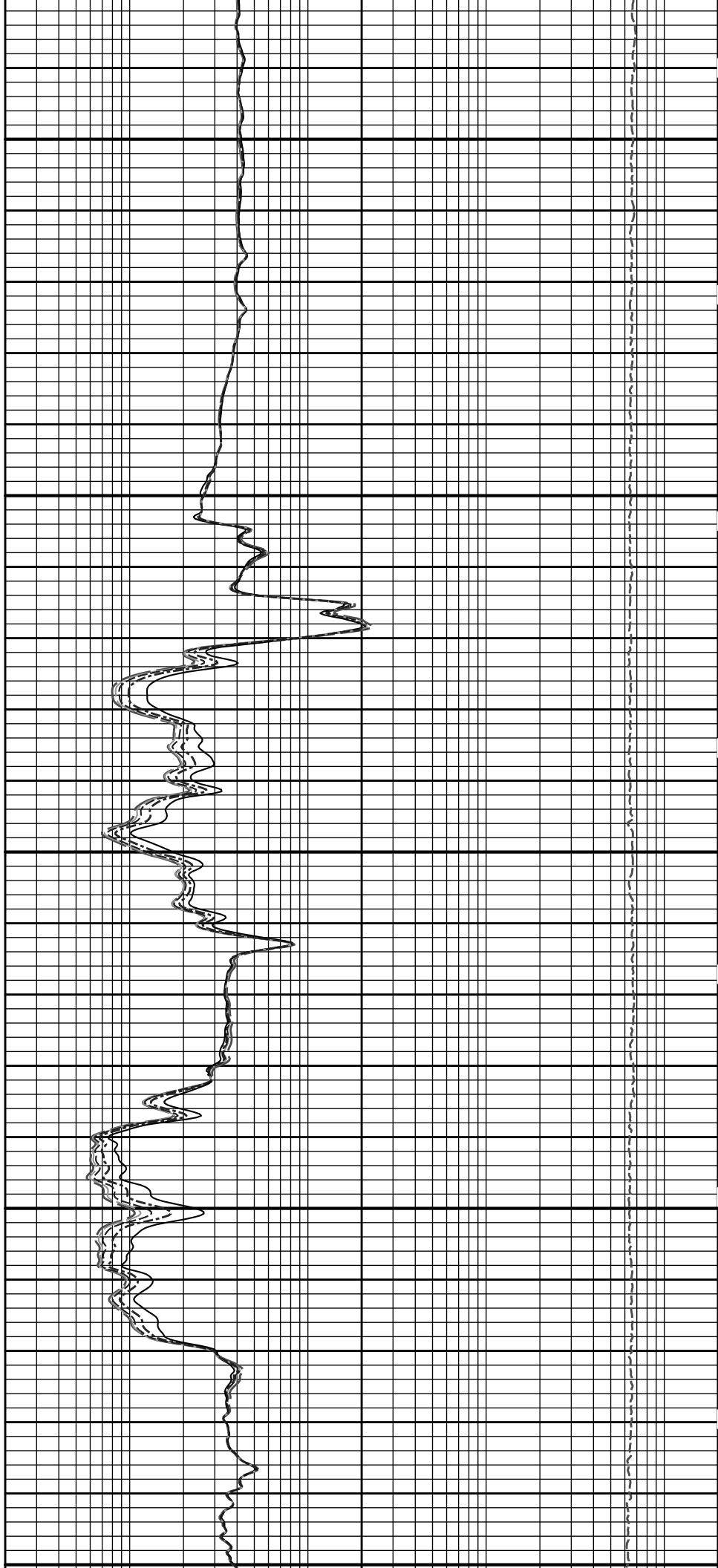


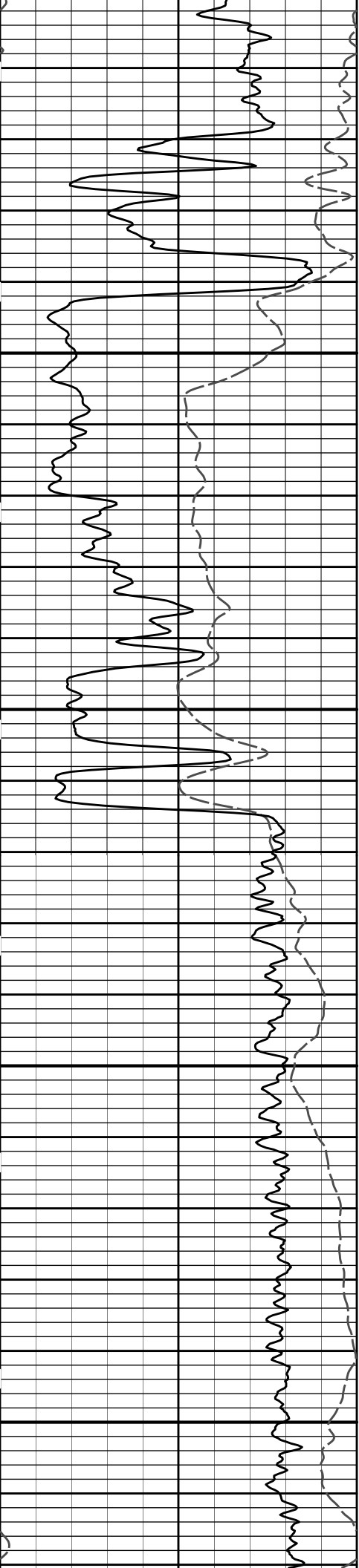


3000

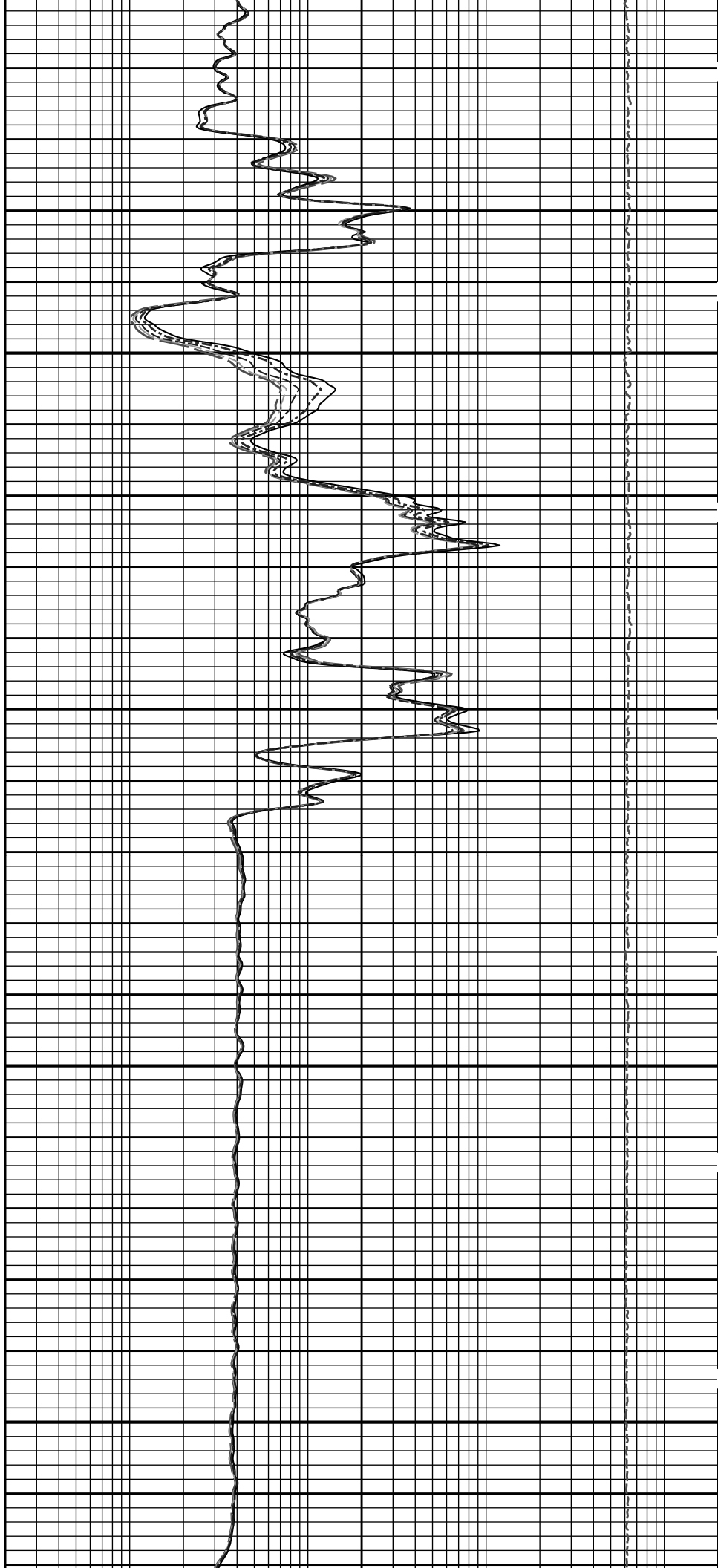
3100

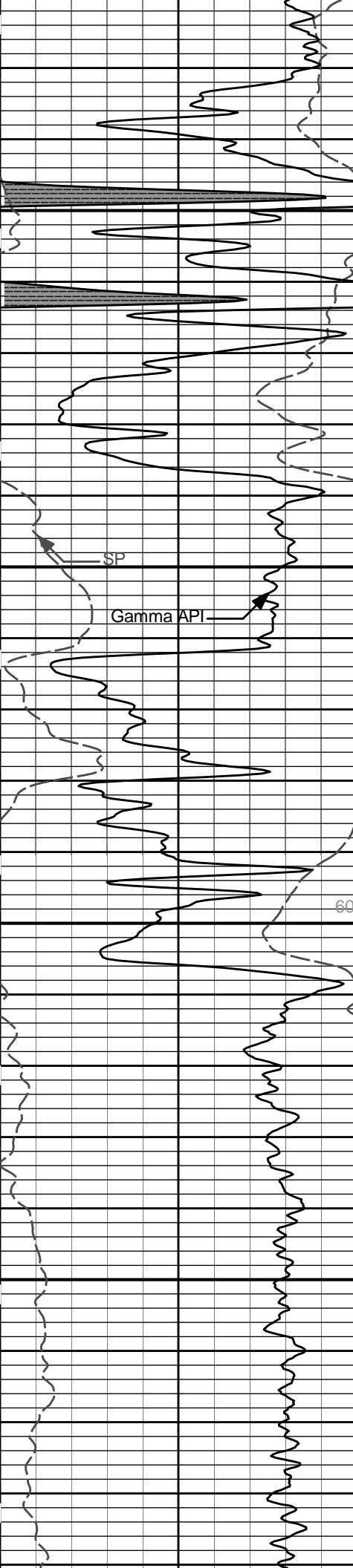
3200





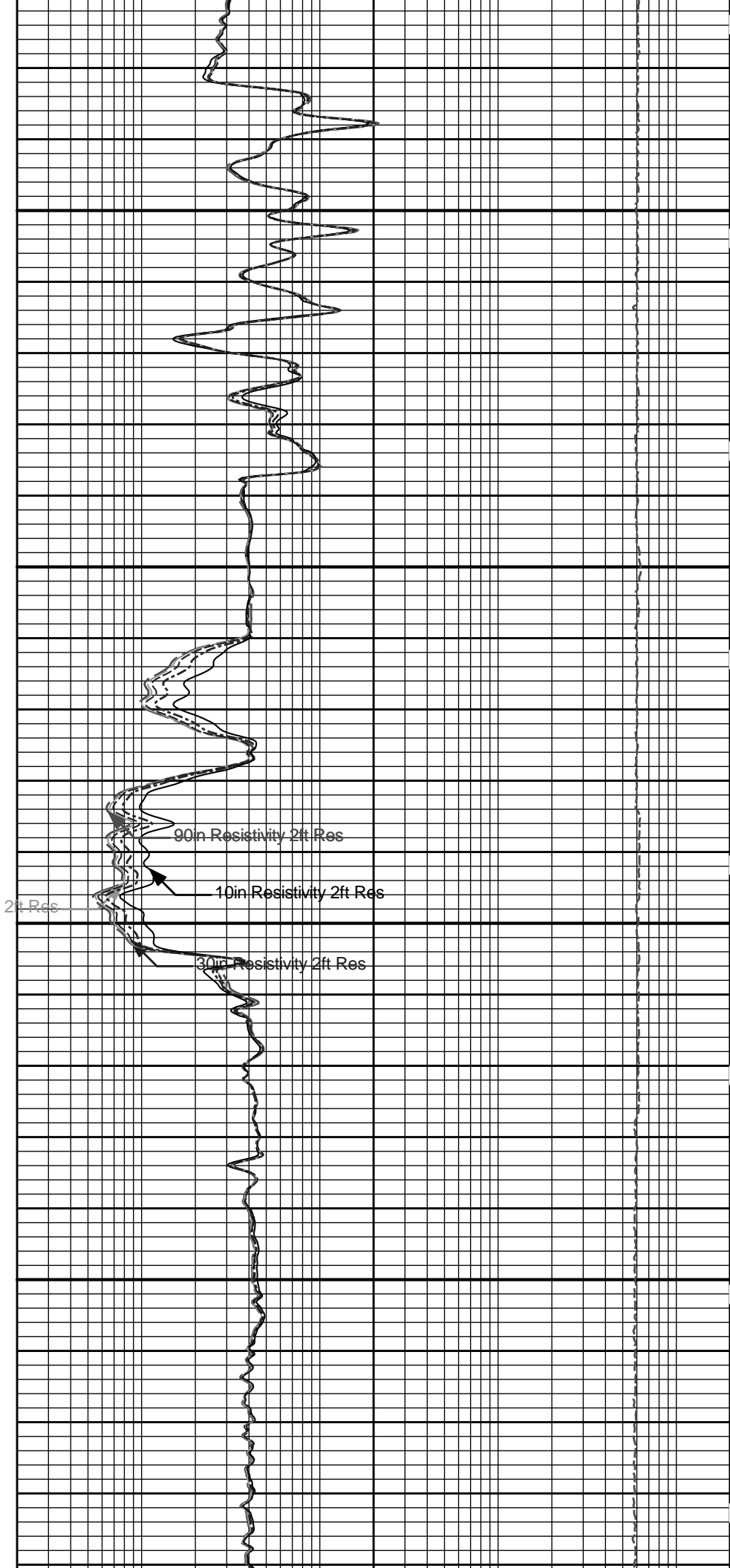
3200
3300
3400





3500

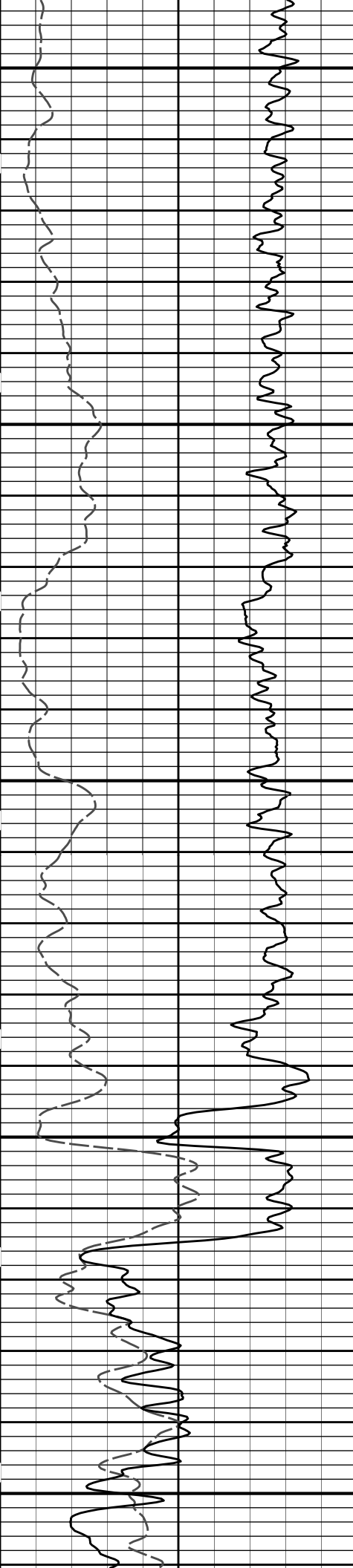
3600



90in Resistivity 2ft Res

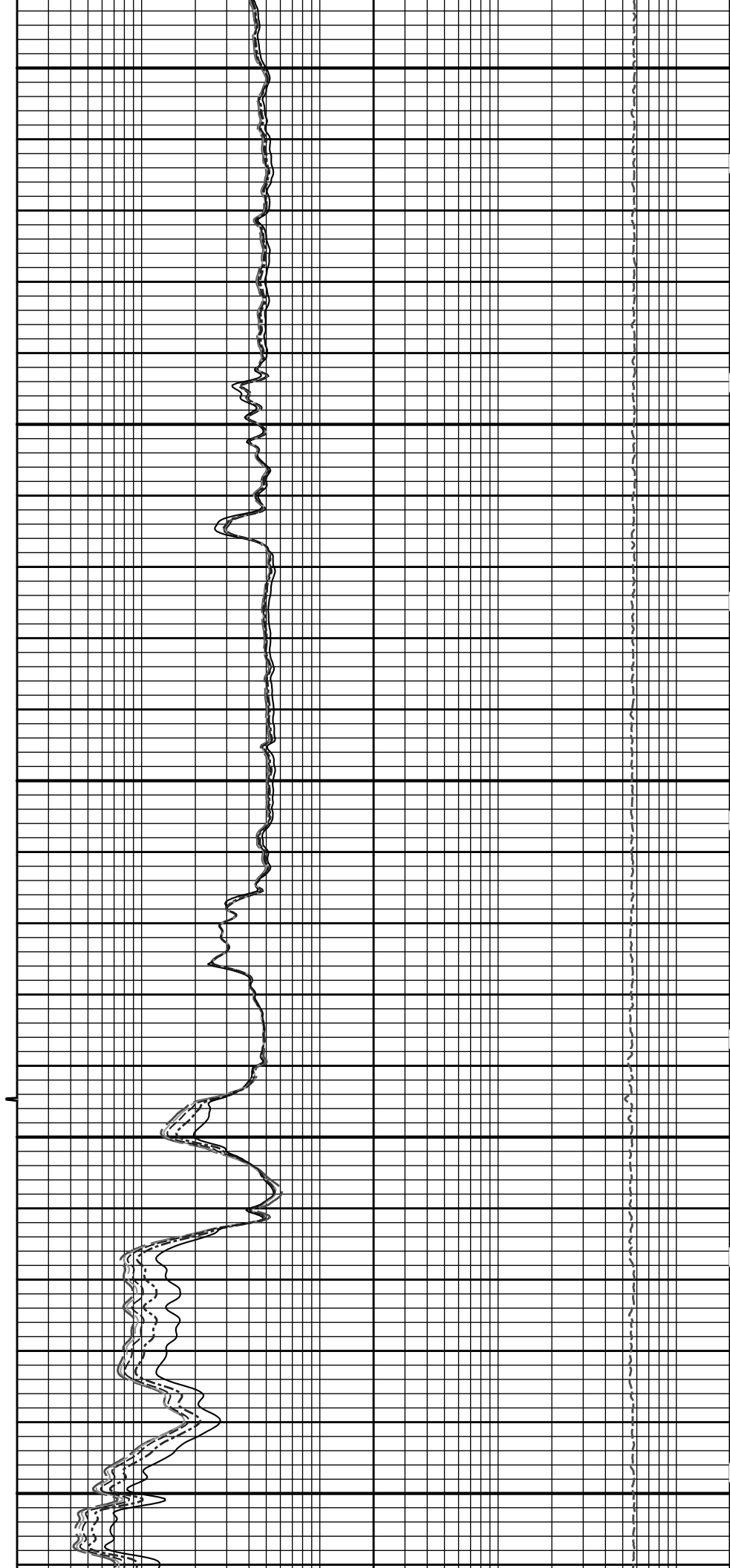
10in Resistivity 2ft Res

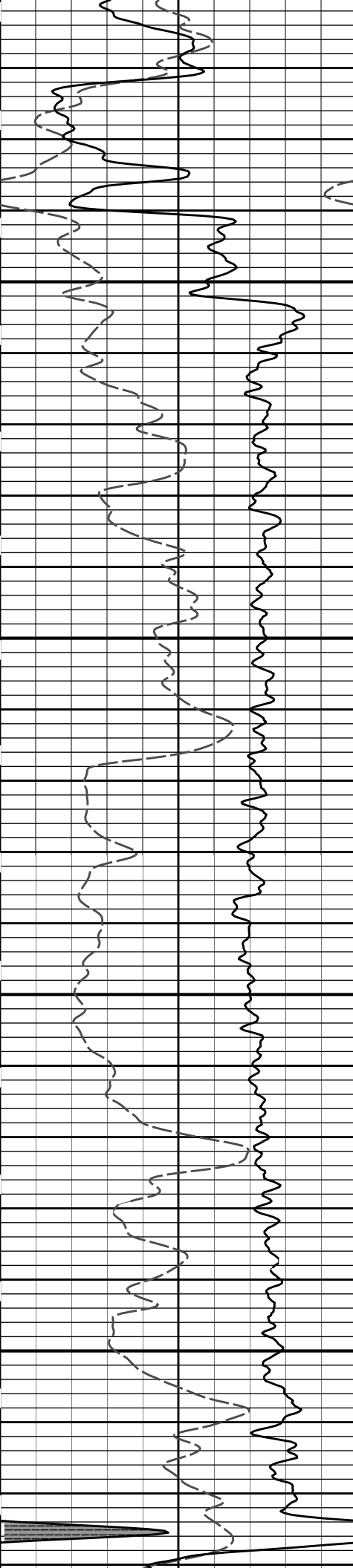
30in Resistivity 2ft Res



3700

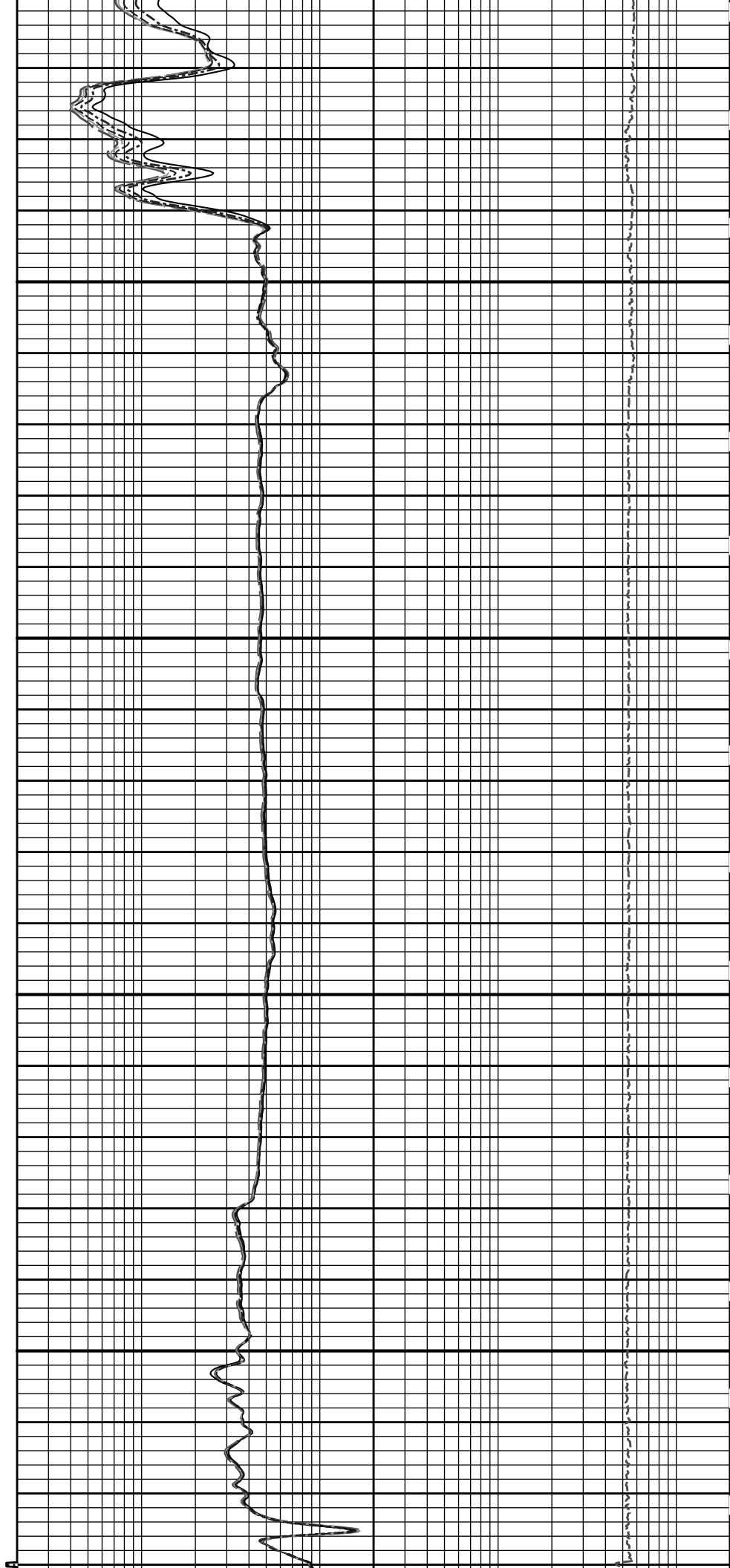
3800

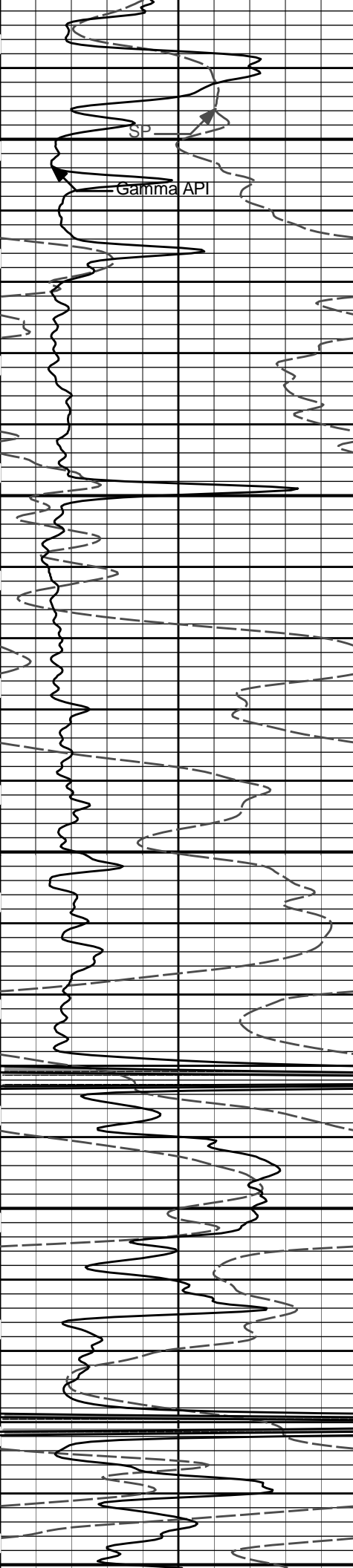




3900

4000

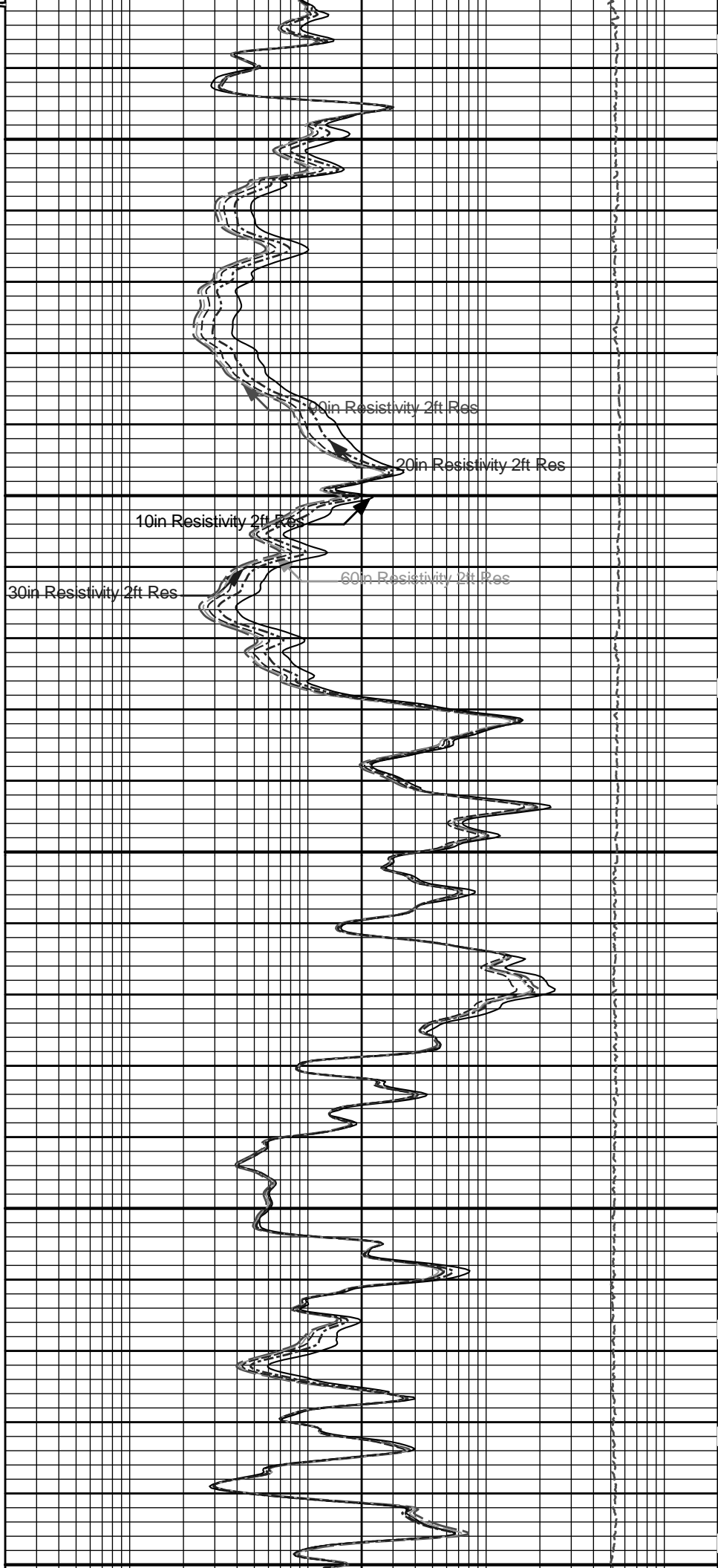




4100

4200

4300



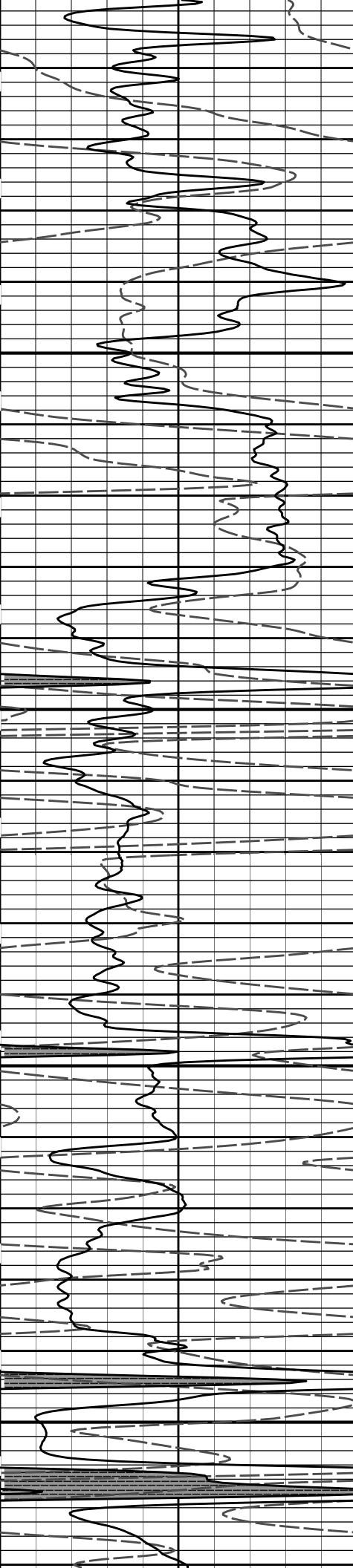
60in Resistivity 2ft Res

20in Resistivity 2ft Res

10in Resistivity 2ft Res

30in Resistivity 2ft Res

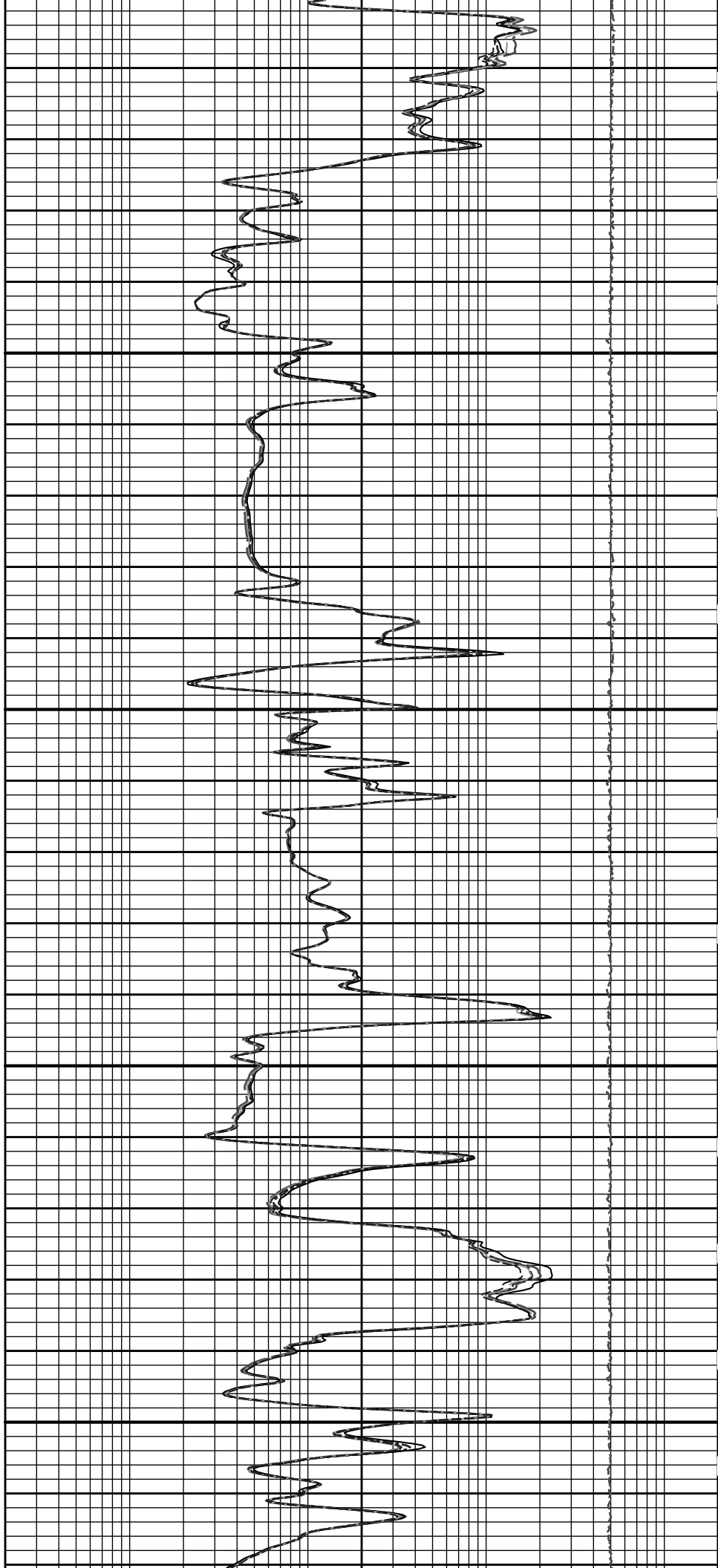
60in Resistivity 2ft Res

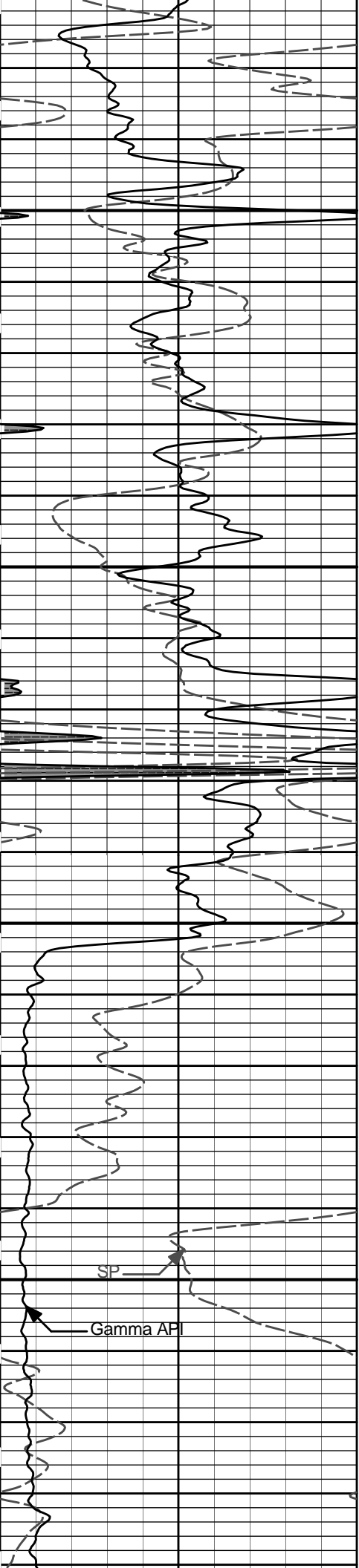


4300

4400

4500



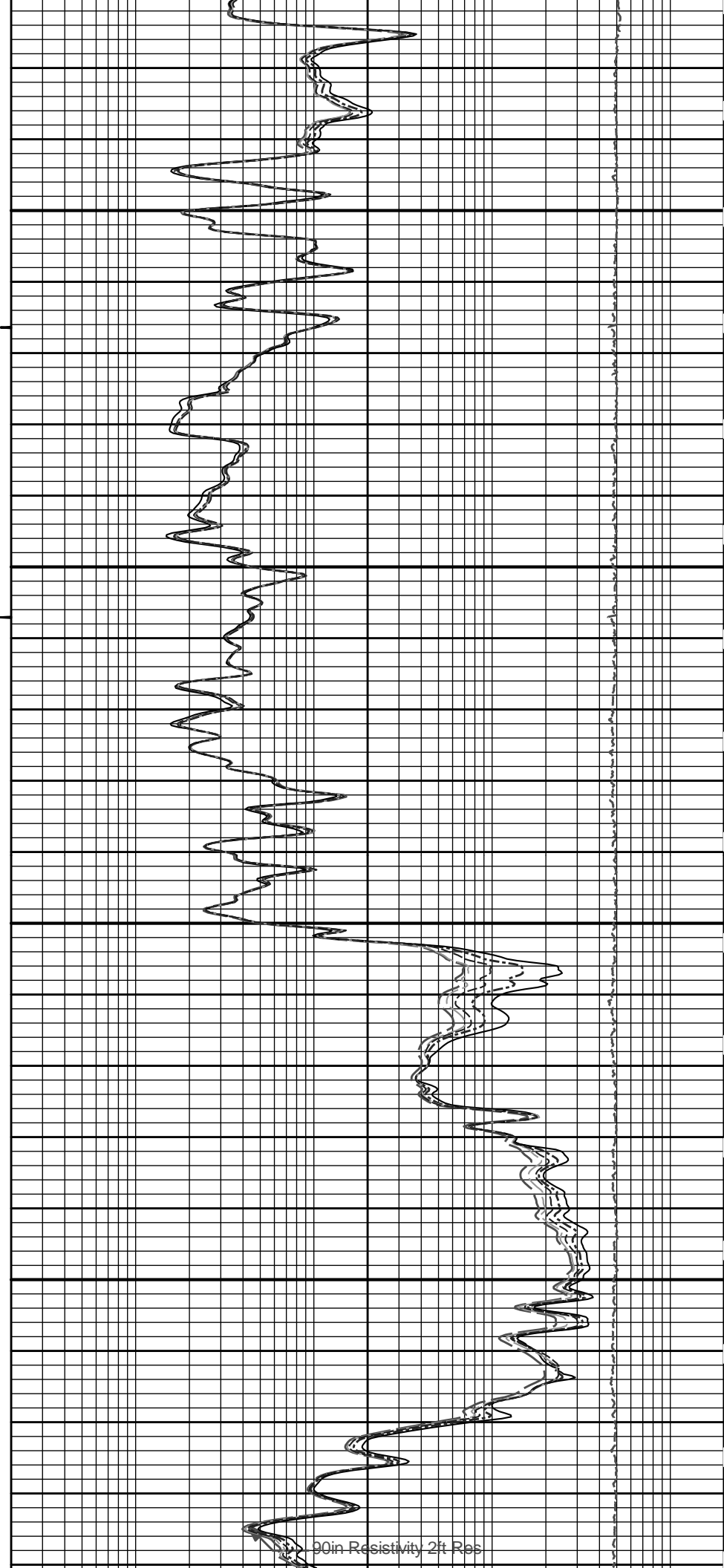


4600

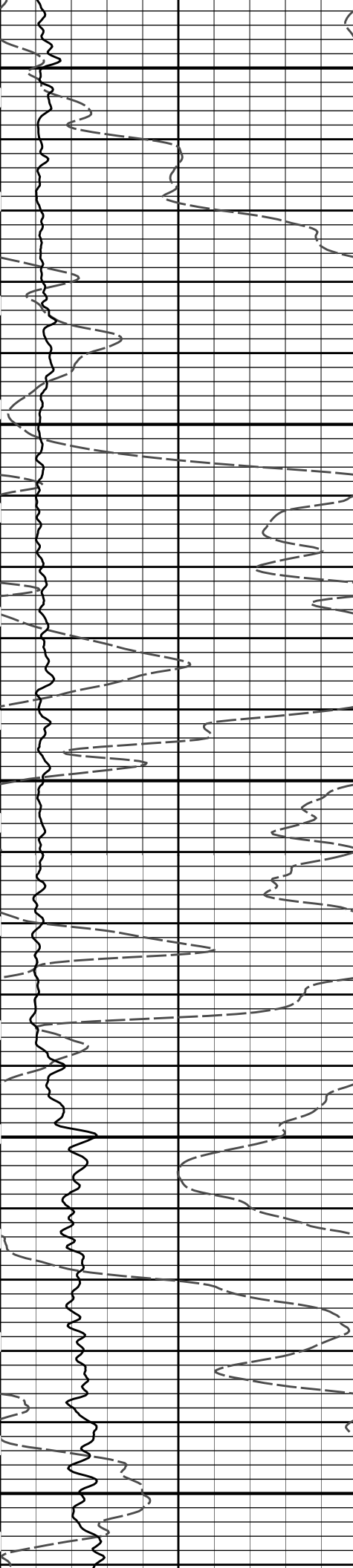
4700

SP

Gamma API

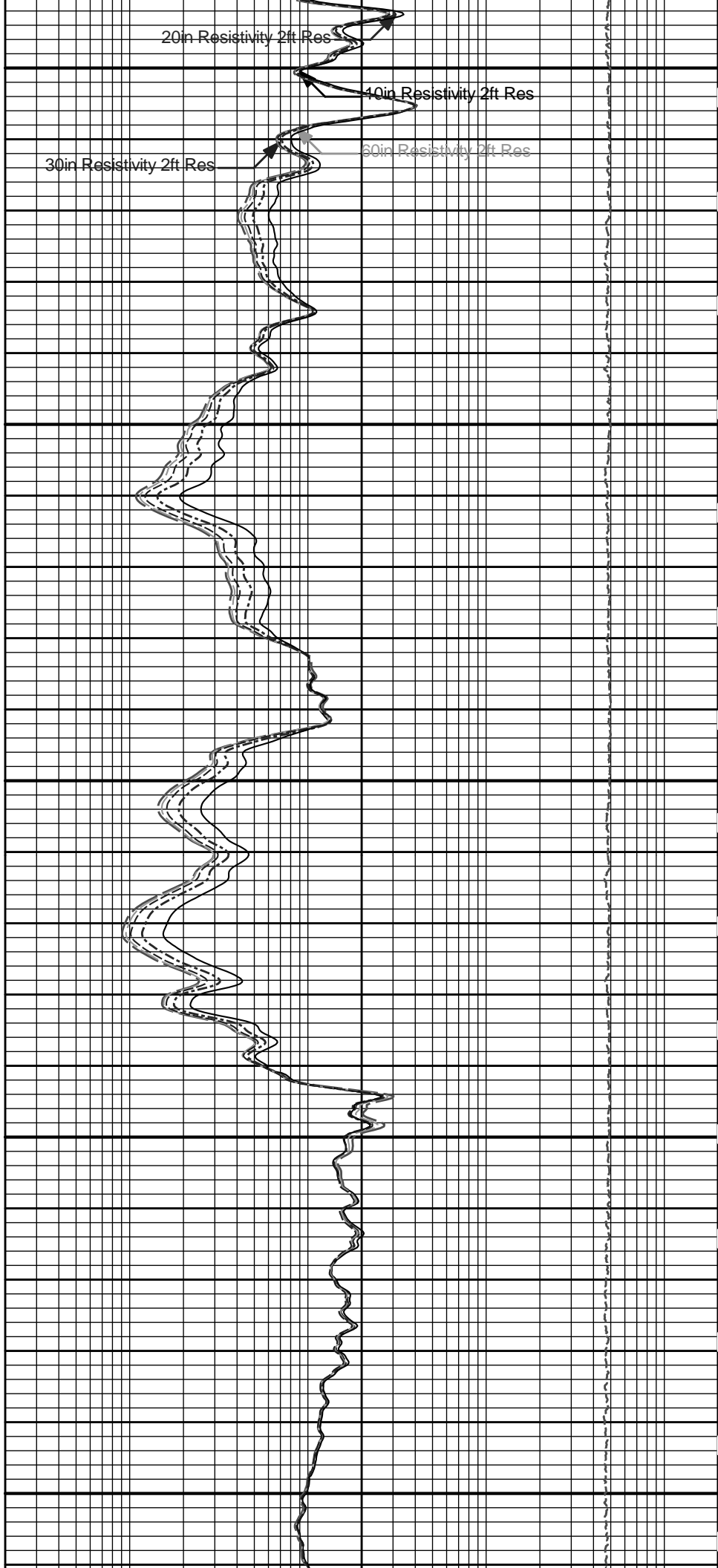


90in Resistivity 2ft Res



4800

4900

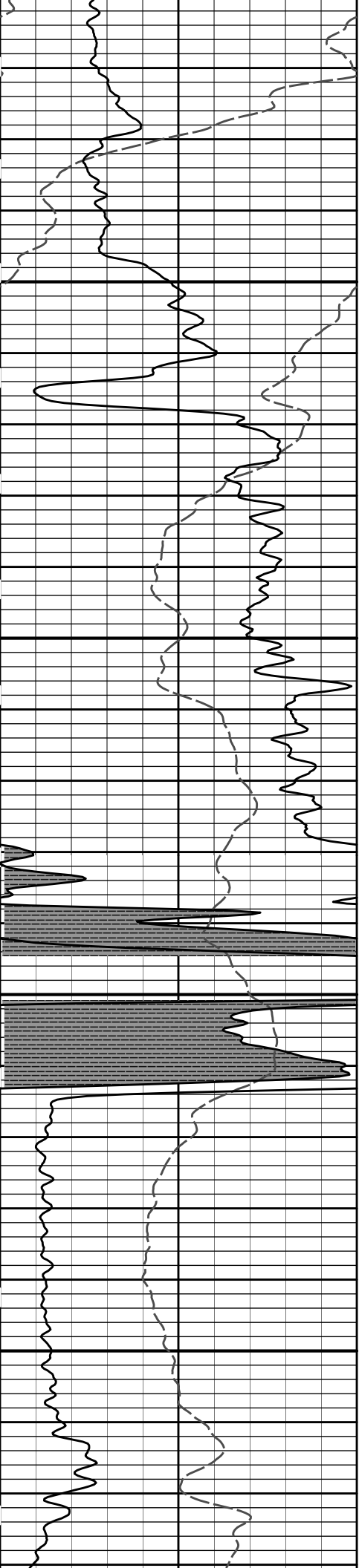


20in Resistivity 2ft Res

40in Resistivity 2ft Res

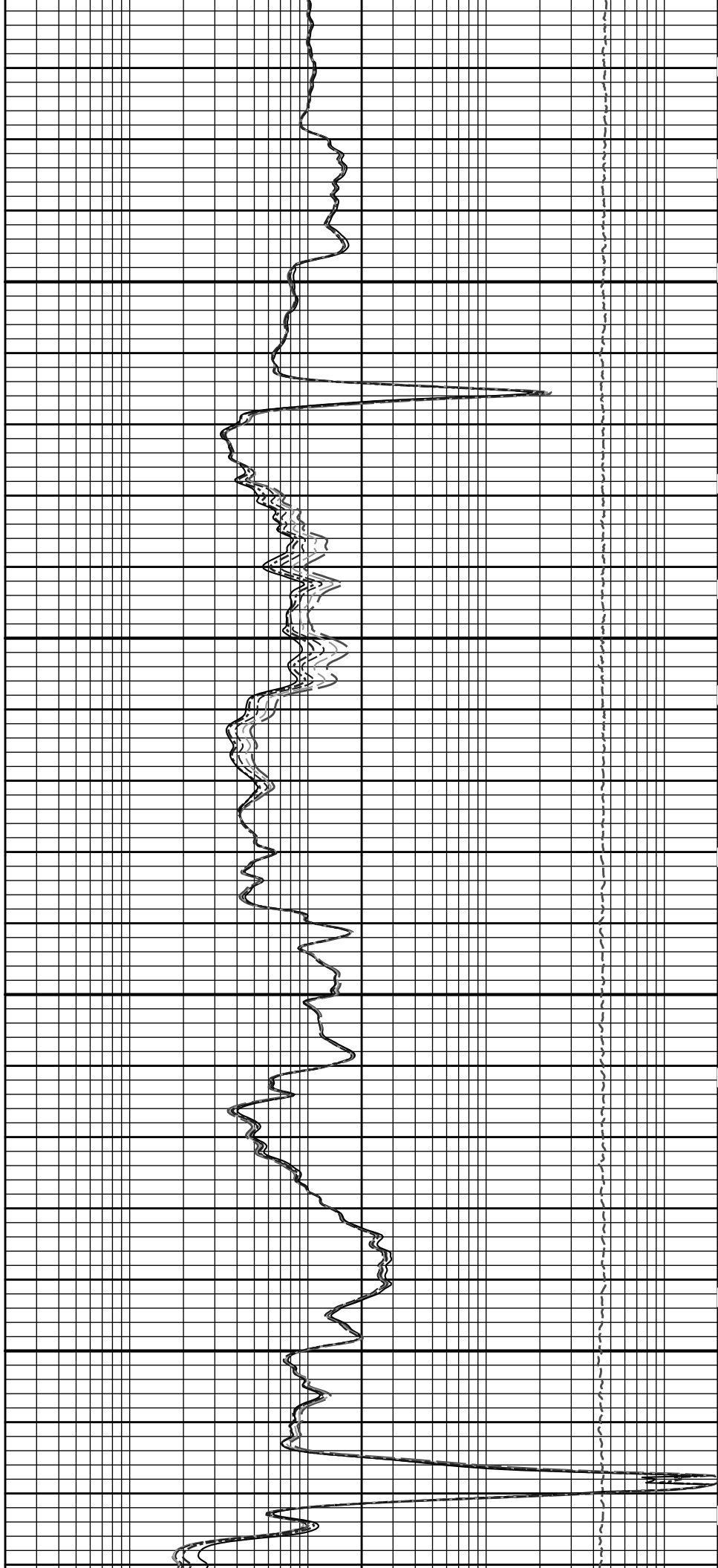
30in Resistivity 2ft Res

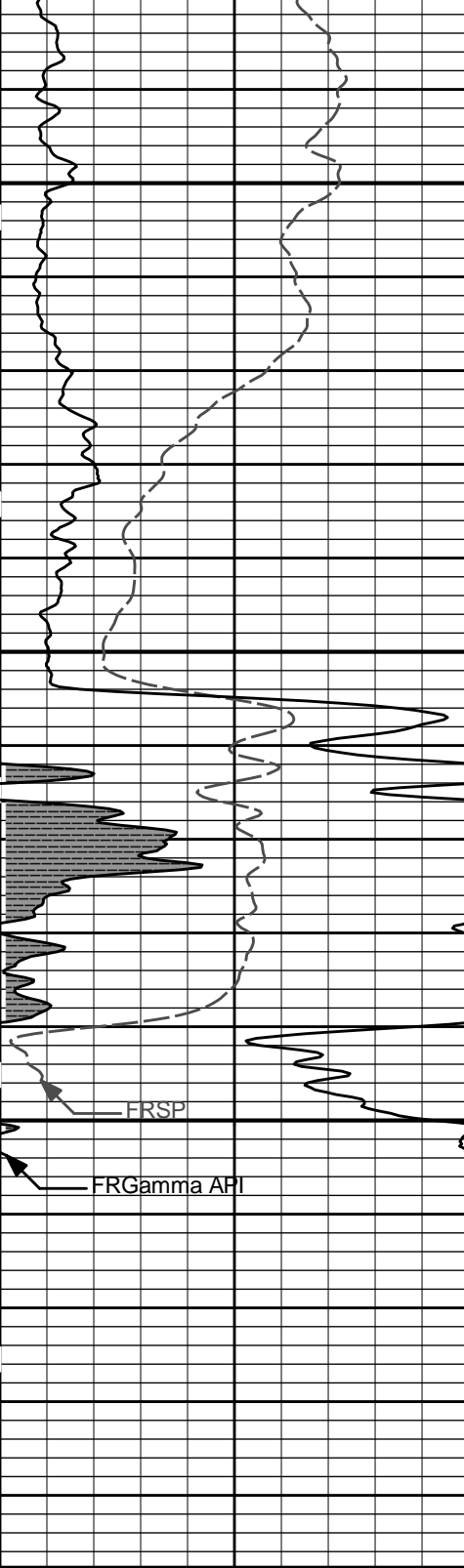
60in Resistivity 2ft Res



5000

5100



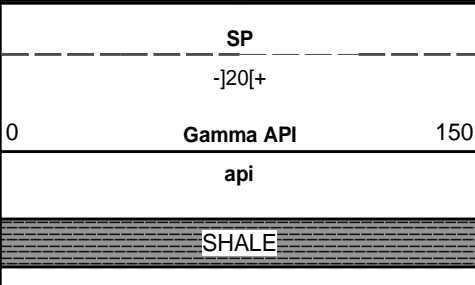


5200

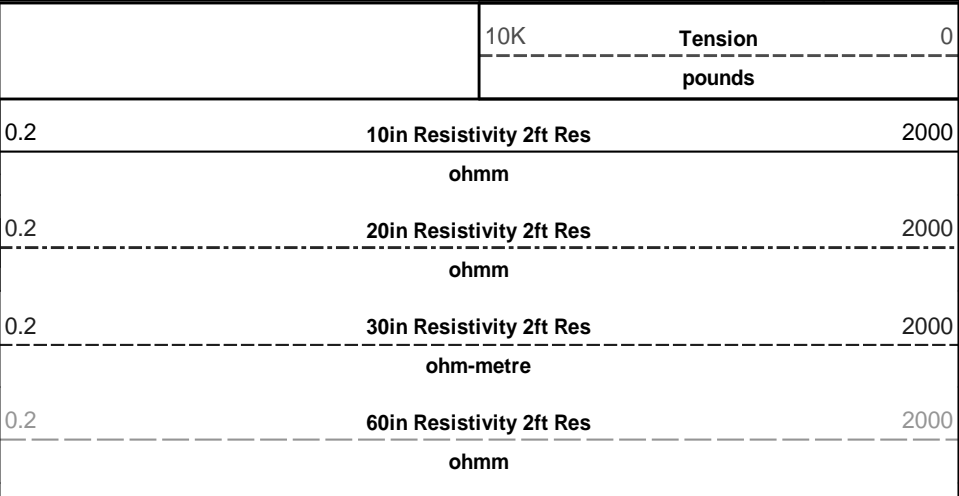
5300

FR60in Resistivity 2ft Res
FR20in Resistivity 2ft Res

FR30in Resistivity 2ft Res
FR10in Resistivity 2ft Res
FR90in Resistivity 2ft Res



1 : 240
ft
Tension Pull
10
Tension Pull



10K Tension pounds

0.2 2000
10in Resistivity 2ft Res
ohmm
0.2 2000
20in Resistivity 2ft Res
ohmm
0.2 2000
30in Resistivity 2ft Res
ohm-metre
0.2 2000
60in Resistivity 2ft Res
ohmm

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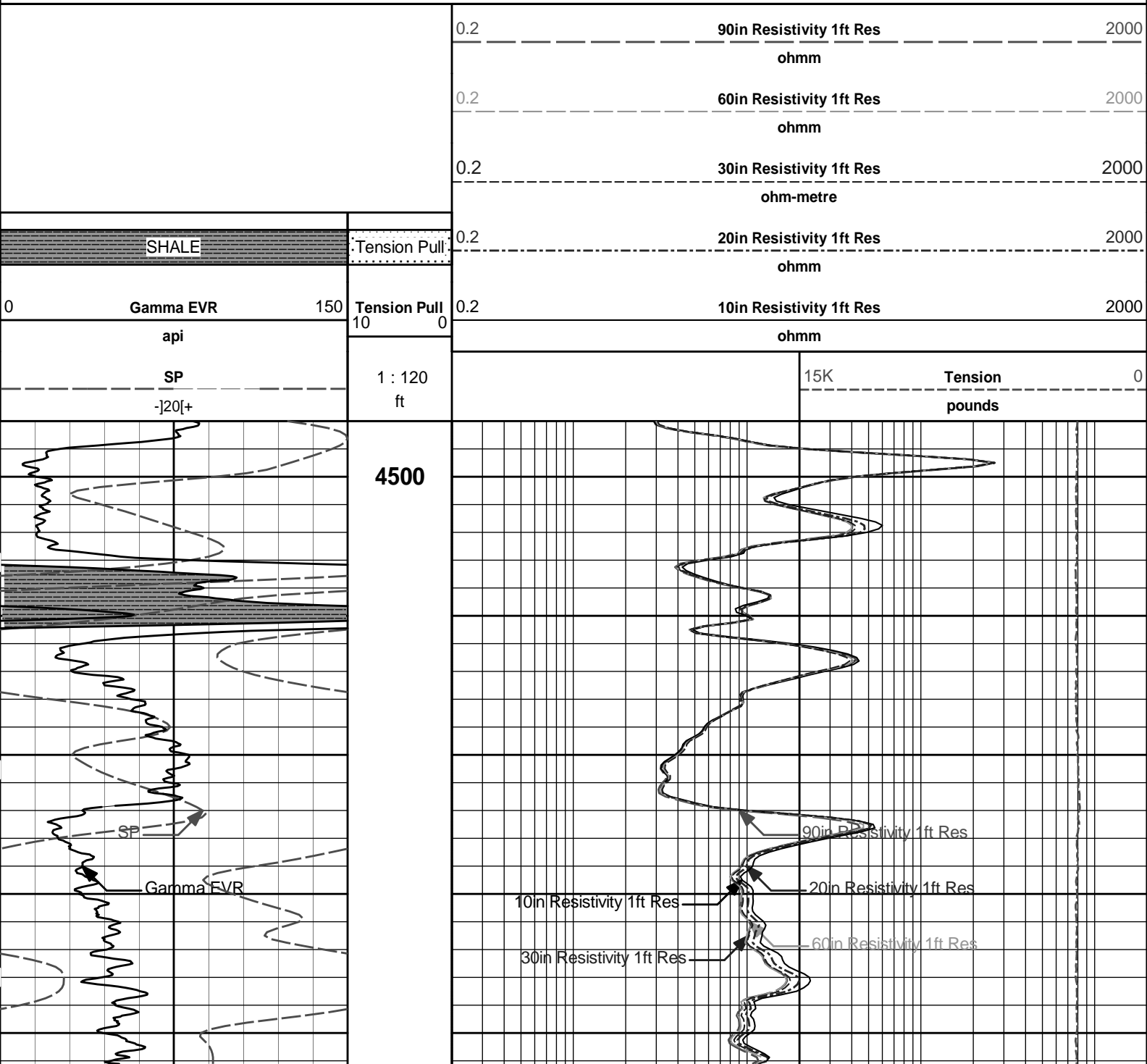
Plot Time: 10-Apr-12 06:11:51
 Plot Range: 1520 ft to 5347.67 ft
 Data: KITTTS_SW_D_1Well Based\MAIN
 Plot File: \\LOCAL\KITTTS_SW_D_1\0001 SP-GTET-DSN-SDL-ACRT-CHACRTACRT_5_main_lib

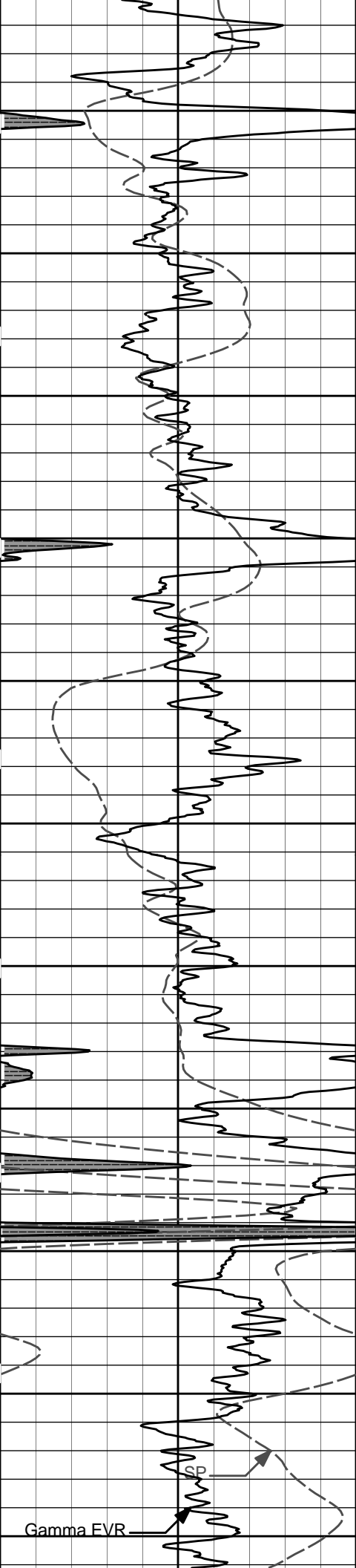
5 INCH MAIN LOG

HALLIBURTON

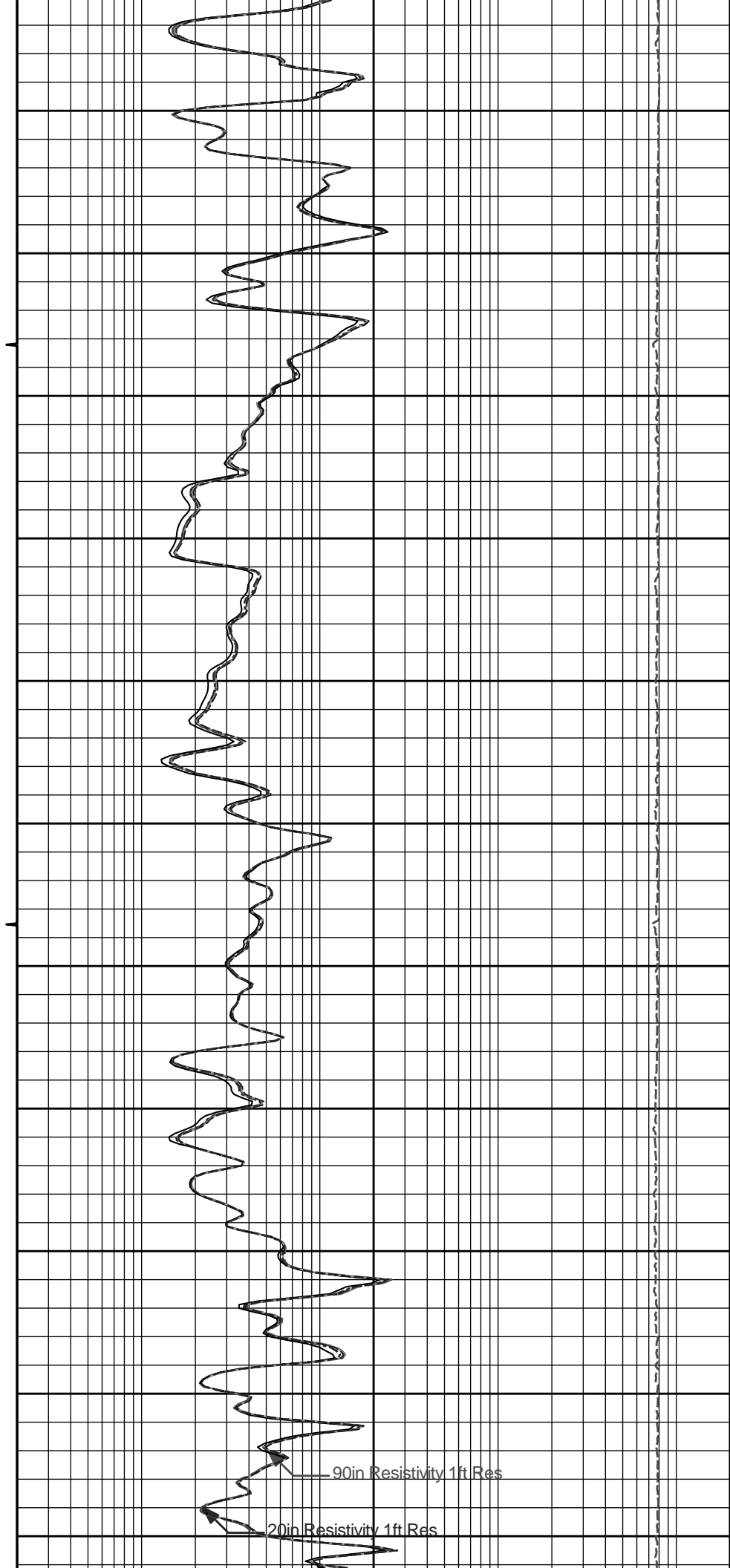
Plot Time: 10-Apr-12 06:11:51
 Plot Range: 4496 ft to 5004 ft
 Data: KITTTS_SW_D_1Well Based\EVR\
 Plot File: \\LOCAL\KITTTS_SW_D_1\0001 SP-GTET-DSN-SDL-ACRT-CHACRTACRT_5_EVR_LIB

MAIN SECTION 10" PER 100'



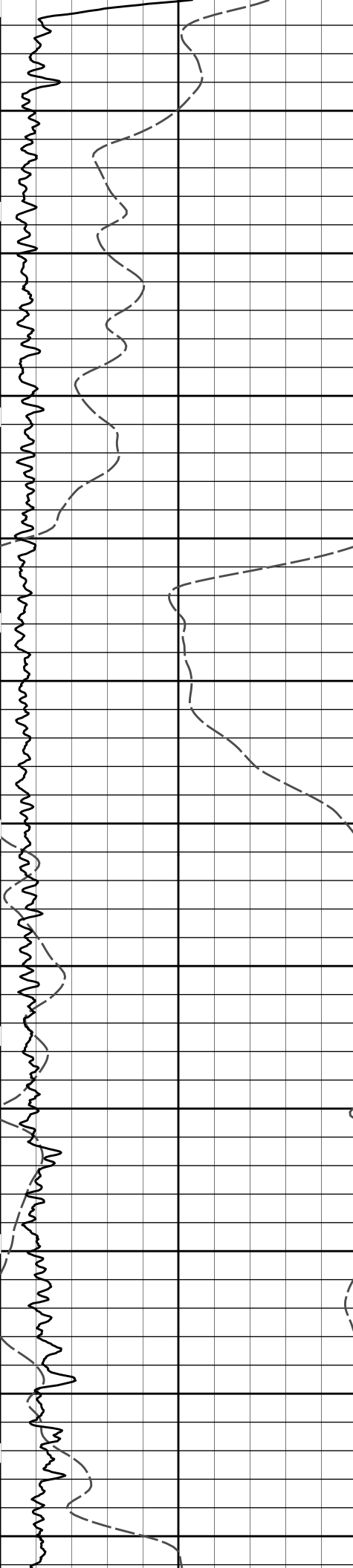


4600

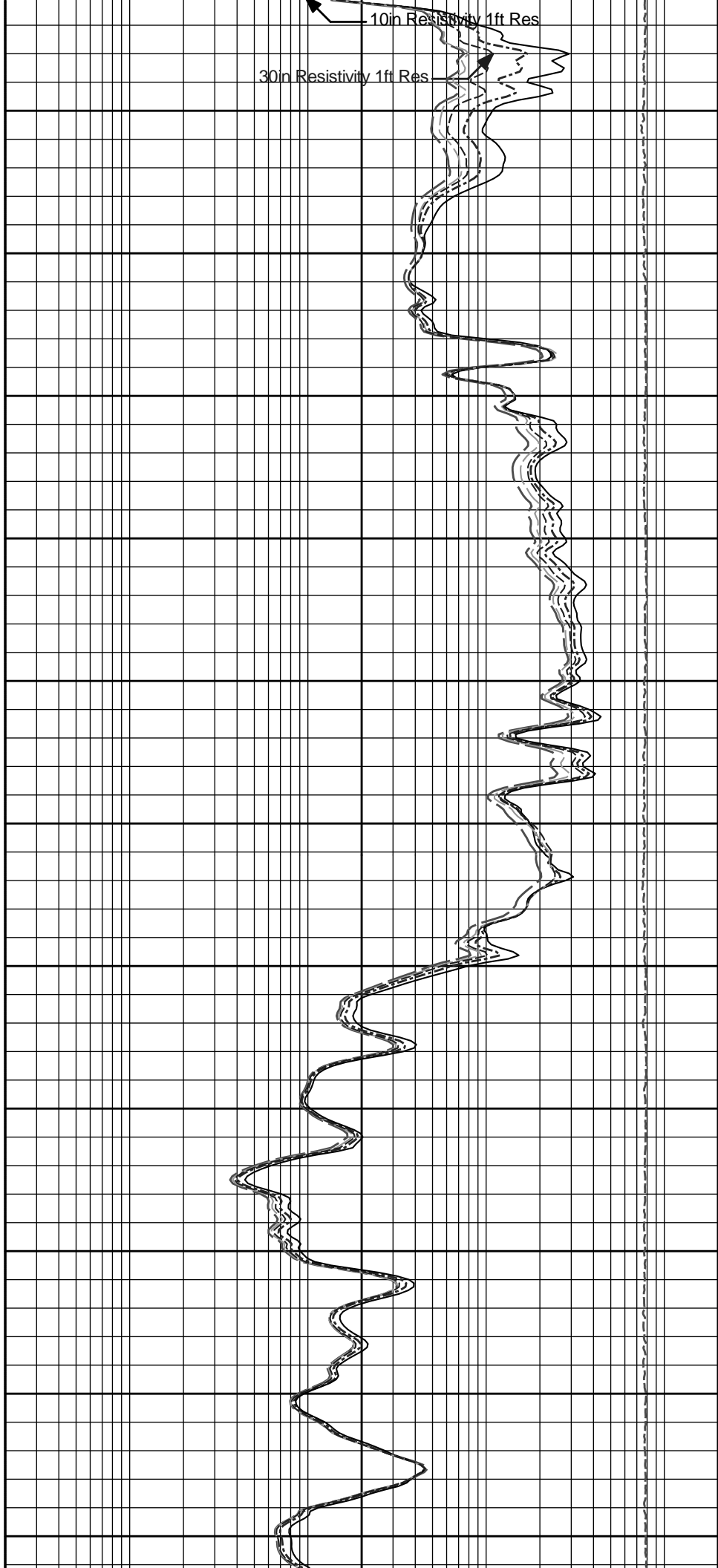


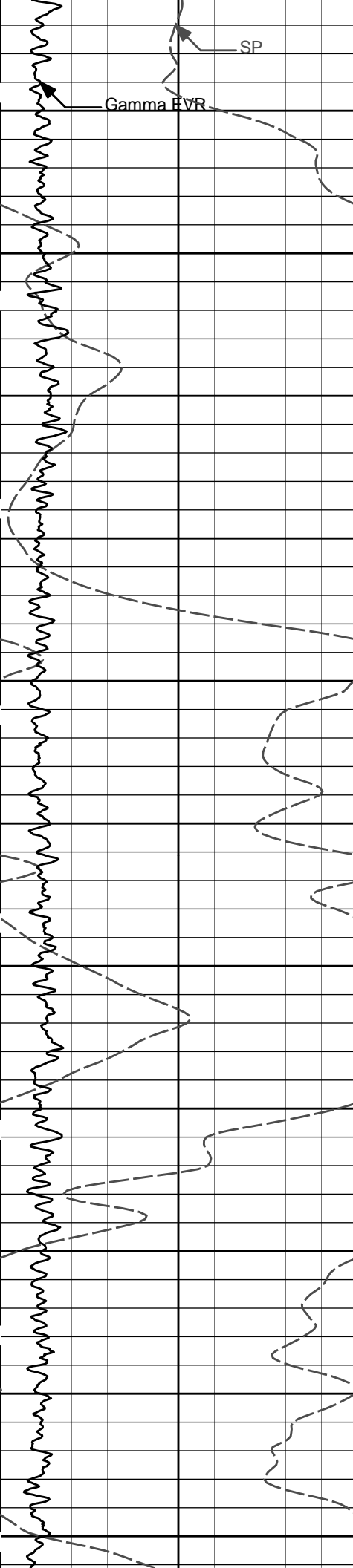
90in Resistivity 1ft Res

20in Resistivity 1ft Res

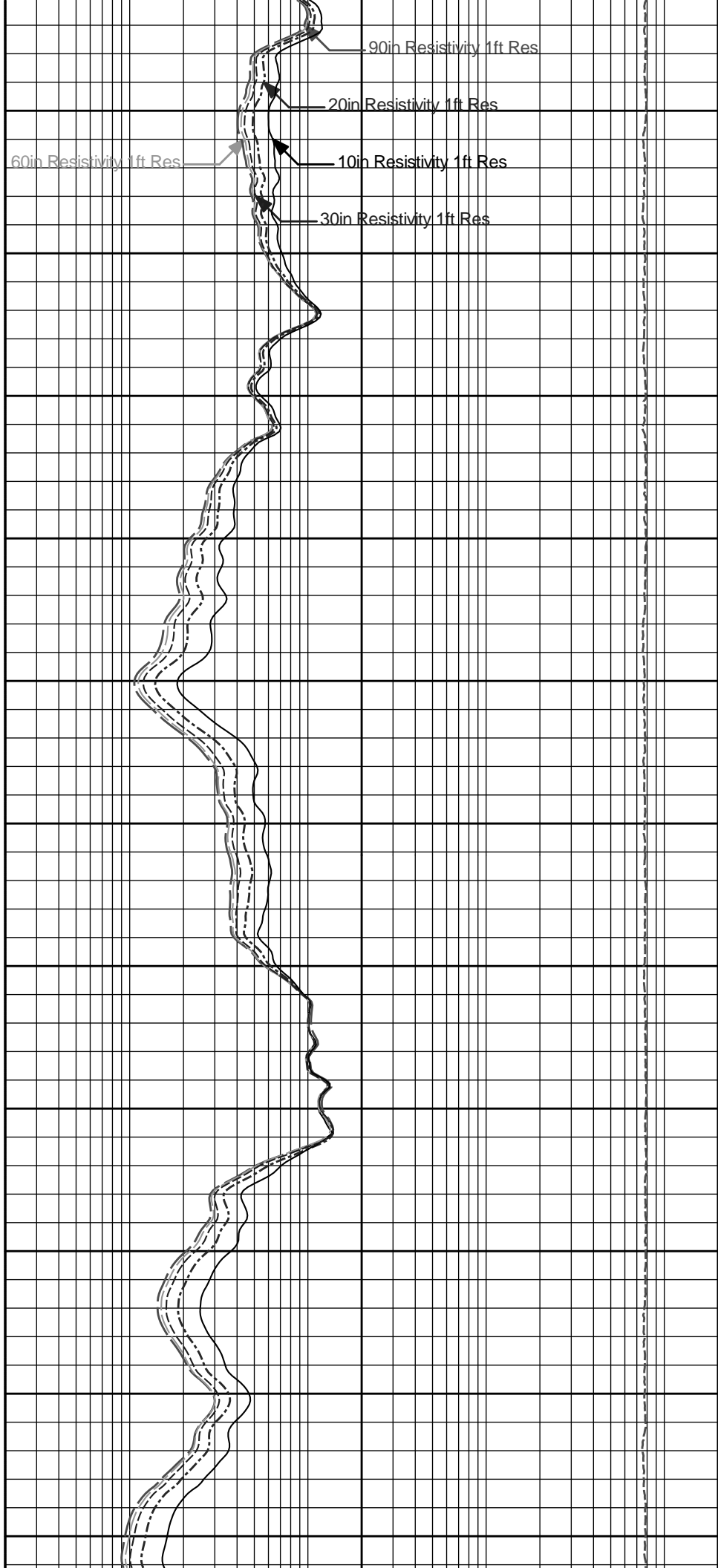


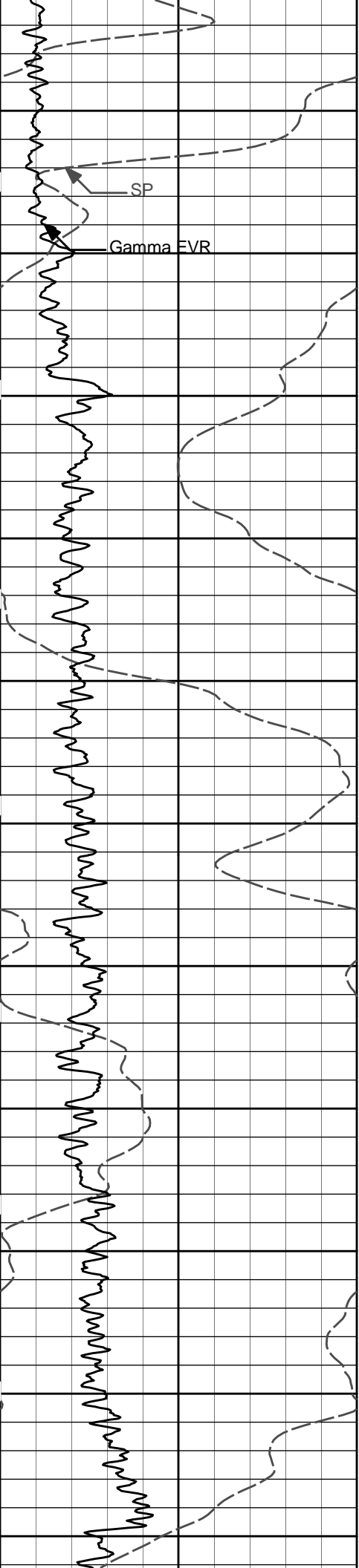
4700



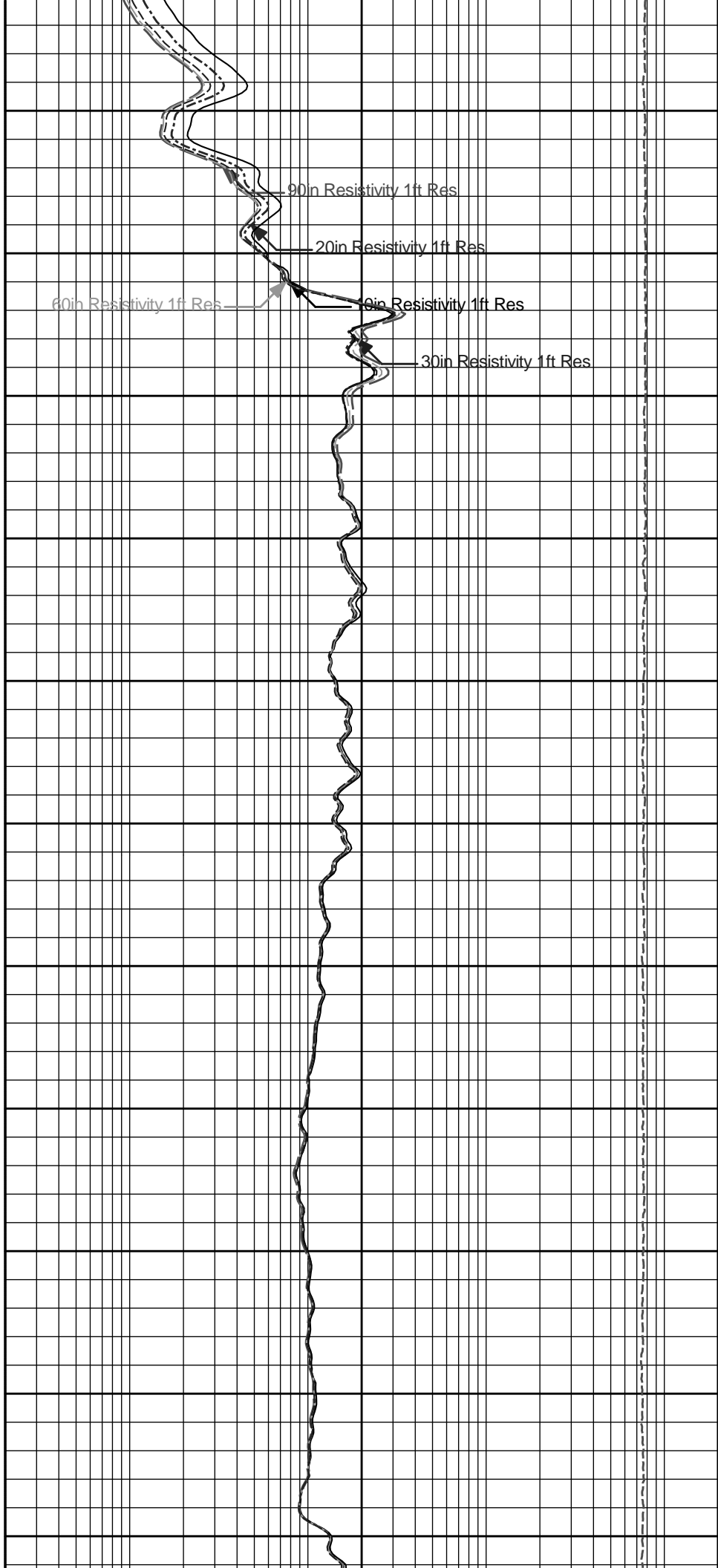


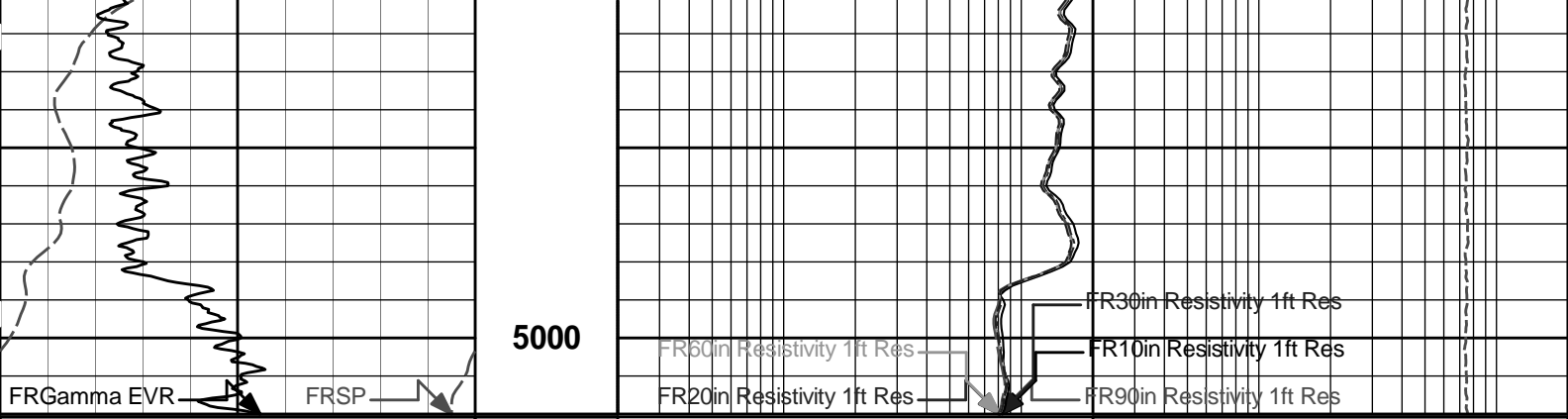
4800





4900





SP -120+	1 : 120 ft	15K	Tension pounds	0
Gamma EVR api	Tension Pull 10	0.2	10in Resistivity 1ft Res ohmm	2000
SHALE	Tension Pull	0.2	20in Resistivity 1ft Res ohmm	2000
		0.2	30in Resistivity 1ft Res ohm-metre	2000
		0.2	60in Resistivity 1ft Res ohmm	2000
		0.2	90in Resistivity 1ft Res ohmm	2000

HALLIBURTON

Plot Time: 10-Apr-12 06:11:55
 Plot Range: 4496 ft to 5004 ft
 Data: KITTTS_SWD_1\Well Based\EVR\
 Plot File: \\-LOCAL-KITTTS_SWD_1\0001 SP-GTET-DSN-SDL-ACRT-CHACRT\ACRT_5_EVR_LIB

MAIN SECTION 10" PER 100'

HALLIBURTON

Plot Time: 10-Apr-12 06:11:55
 Plot Range: 5096 ft to 5354.83 ft
 Data: KITTTS_SWD_1\Well Based\REPEAT\
 Plot File: \\-LOCAL-KITTTS_SWD_1\0001 SP-GTET-DSN-SDL-ACRT-CHACRT\ACRT_5_repeat_lib

REPEAT SECTION

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

-|20|+

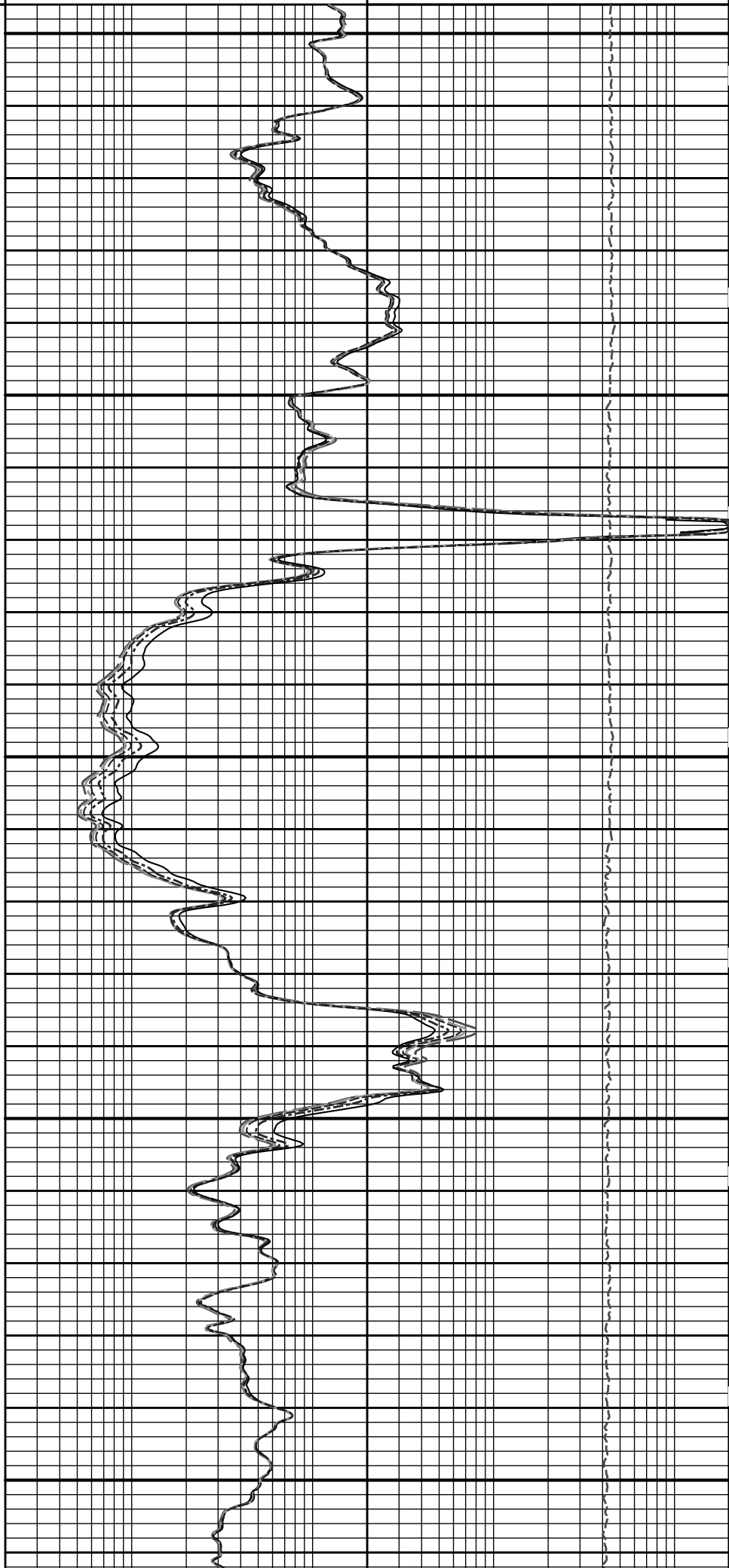
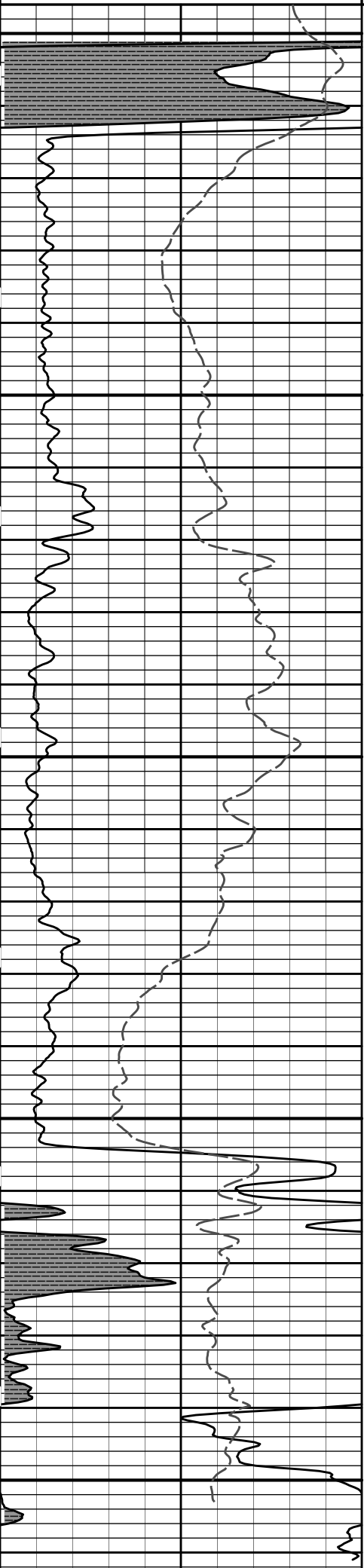
ft

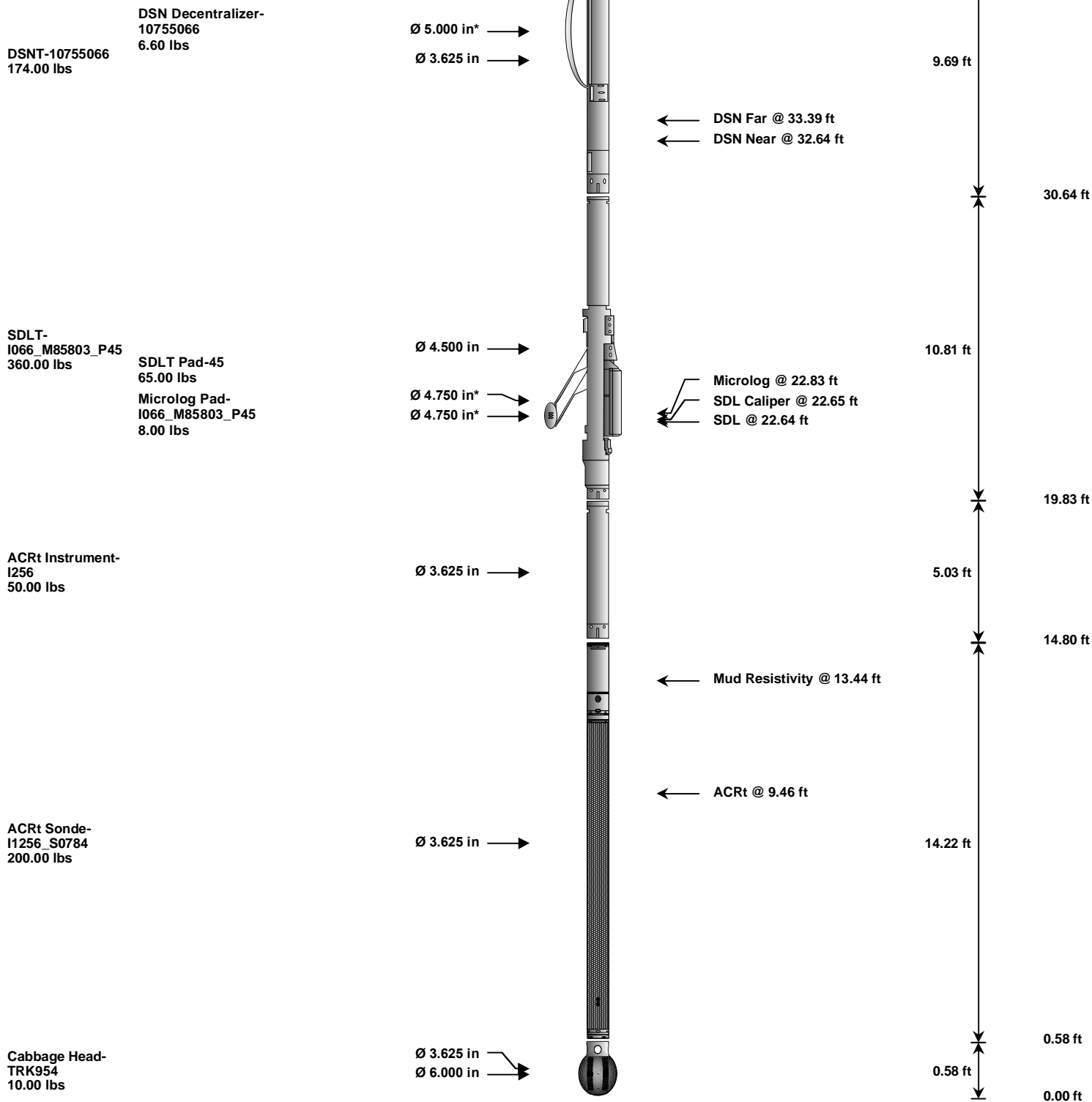
pounds

5100

5200

5300





Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
CH	Standard OH Cable Head	PROT01	30.00	1.92	52.59	300.00
SP	SP Sub	11441709	60.00	3.74	48.85	300.00
GTET	Gamma Telemetry Tool	10811258	165.00	8.52	40.33	60.00
DSNT	Dual Spaced Neutron	10755066	174.00	9.69	30.64	60.00
DCNT	DSN Decentralizer	10755066	6.60	5.13 *	33.97	300.00
SDLT	Spectral Density Tool	I066_M85803_P45	360.00	10.81	19.83	60.00
MICP	Microlog Pad	I066_M85803_P45	8.00	1.00 *	22.33	60.00
SDLP	Density Insite Pad	45	65.00	2.55 *	22.04	60.00
ACRt	Array Compensated True Resistivity Instrument Section	I256	50.00	5.03	14.80	300.00
ACRt	Array Compensated True Resistivity	I1256_S0784	200.00	14.22	0.58	300.00
CBHD	Cabbage Head	TRK954	10.00	0.58	0.00	300.00

Total **1,128.60** **54.51**

* Not included in Total Length and Length Accumulation.

HALLIBURTON**CALIBRATION REPORT****NATURAL GAMMA RAY TOOL SHOP CALIBRATION**

Tool Name:	GTET - 10811258	Reference Calibration Date:	27-Feb-12 10:45:14
Engineer:	C. MARLOWE	Calibration Date:	03-Apr-12 13:40:54
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

Calibrator Source S/N: TB-185

Calibrator API Reference:228.00 api

Equivalent Calibrator API Reference:232.0 api

Measurement	Measured	Calibrated	Units
Background	23.6	23.3	api
Background + Calibrator	258.0	255.3	api
Calibrator	234.4	232.0	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	GTET - 10811258	Reference Calibration Date:	03-Apr-12 13:40:54
Engineer:	C. HAVERKAMP	Calibration Date:	09-Apr-12 22:50:04
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

Calibrator Source S/N: TB-185

Calibrator API Reference:228.00 api

Equivalent Calibrator API Reference:232.0 api

Field Verification	Shop	Field	Units
Background	23.3	15.5	api
Background + Calibrator	255.3	247.5	api
Calibrator	232.0	232.0	api

Shop	Field	Difference	Tolerance
232.0	232.0	0.0	+/- 9.00

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name:	ACRt Sonde - I1256_S0784	Reference Calibration Date:	19-Jan-12 15:58:26
Engineer:	T. HYDE	Calibration Date:	13-Mar-12 13:26:17
Software Version:	WL INSITE R3.4.2 (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	1.0137	1.05	0.95	1.0143	1.05	0.95	1.0085	1.05
A2 (50")	0.95	1.0193	1.05	0.95	1.0208	1.05	0.95	1.0136	1.05
A3 (29")	0.95	1.0064	1.05	0.95	1.0074	1.05	0.95	0.9994	1.05
A4 (17")	0.95	1.0098	1.05	0.95	1.0092	1.05	0.95	1.0049	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.0105	1.05	0.95	1.0054	1.05
A6 (6")	N/A	N/A	N/A	0.95	1.0046	1.05	0.95	0.9998	1.05

TYPICAL SONDE OFFSET RANGE

Subarray	R12KHz			R36KHz			R72KHz		
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	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	-5	-0.239	2	-6	-3.553	-2	-8	-4.446	-2
A2 (50")	-7	-1.913	-1	-6	-3.553	-2	-7	-4.213	-2
A3 (29")	-27	-16.306	-9	-9	-4.644	-3	-7	-3.295	-1
A4 (17")	-180	-96.949	-60	-45	-32.056	-15	-39	-26.071	-13
A5 (10")	N/A	N/A	N/A	-150	-97.512	-50	-80	-48.368	-10
A6 (6")	N/A	N/A	N/A	175	301.802	525	90	161.346	270

TRANSMITTER CURRENT GAIN				R-MUD VERIFICATION			
Signal	Lower	R	Upper	Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K	0.6	0.8678	1.3	Mud Cell	0.95	1.000	1.05
36K	1.0	1.1980	2.0				
72K	1.0	1.5472	2.0				

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10811258						
Gamma Ray Calibrator	232.0	232.0	-----	0.0	+/- 9.00	api
ACRt Sonde-I1256_S0784						
Mud Cell	1.000	-----	-----	0.000	-----	ohm-m
Data: KITTS_SWD_10001 SP-GTET-DSN-SDL-ACRT-CHNDLE				Date: 10-Apr-12 00:42:13		

HALLIBURTON

PARAMETERS REPORT

Depth ((ft))	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	8.750	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDBS	Mud Base	Water	
	SHARED	MDWT	Borehole Fluid Weight	9.300	ppg
	SHARED	WAGT	Weighting Agent	Natural	
	SHARED	BSAL	Borehole salinity	2100.00	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	7.000	in
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	5362.00	ft
	SHARED	BHT	Bottom Hole Temperature	130.0	degF
	SHARED	SVTM	Navigation and Survey Master Tool	NONE	
	SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET	
	SHARED	TEMM	Temperature Master Tool	NONE	
	SHARED	BHSM	Borehole Size Master Tool	NONE	
	Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
	Rwa / CrossPlot	FCHO	Select Source of F	Automatic	
	Rwa / CrossPlot	AFAC	Archie A factor	0.6200	

Rwa / CrossPlot	MFAC	Archie M factor	2.1500	
Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm
Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF
Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm
Rwa / CrossPlot	ADP	Use Air Porosity to calculate CrossplotPhi	No	
GTET	GROK	Process Gamma Ray?	Yes	
GTET	GRSO	Gamma Tool Standoff	0.000	in
GTET	GEOK	Process Gamma Ray EVR?	No	
GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
DSNT	DNOK	Process DSN?	Yes	
DSNT	DEOK	Process DSN EVR?	No	
DSNT	NLIT	Neutron Lithology	Limestone	
DSNT	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
DSNT	DNTP	Temperature Correction Type	None	
DSNT	DPRS	DSN Pressure Correction Type	None	
DSNT	SHCO	View More Correction Options	No	
DSNT	UTVD	Use TVD for Gradient Corrections?	No	
DSNT	LHWT	Logging Horizontal Water Tank?	No	
SDLT	CLOK	Process Caliper Outputs?	Yes	
SDLT Pad	DNOK	Process Density?	Yes	
SDLT Pad	DNOK	Process Density EVR?	No	
SDLT Pad	CB	Logging Calibration Blocks?	No	
SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT Pad	DTWN	Disable temperature warning	No	
SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc
SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
ACRt Sonde	RTOK	Process ACRt?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Upr	
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: KITTS_SWD_10001 SP-GTET-DSN-SDL-ACRT-CHNDLE

Date: 10-Apr-12 00:40:48

HALLIBURTON

INPUTS, DELAYS AND FILTERS TABLE

Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel				
TENS	Tension	0.00	NO	
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	
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	
ERNR	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	22.65	NO	
PCAL	Pad Caliper	22.65	TRI	0.250
ACAL	Arm Caliper	22.65	TRI	0.250

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
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	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	22.04	NO	
FHV	Far Detector High Voltage	22.04	NO	
ITMP	Instrument Temperature	22.04	NO	
DDHV	Detector High Voltage	22.04	NO	

Microlog Pad

TPUL	Tension Pull	22.83	NO	
MINV	Microlog Lateral	22.83	BLK	0.750
MNOR	Microlog Normal	22.83	BLK	0.750

Data: KITTS_SWD_10001 SP-GTET-DSN-SDL-ACRT-CHNDLE

Date: 10-Apr-12 01:55:41

WELL: KITTS SWD #1
FIELD: WILDCAT
COUNTY: HARPER

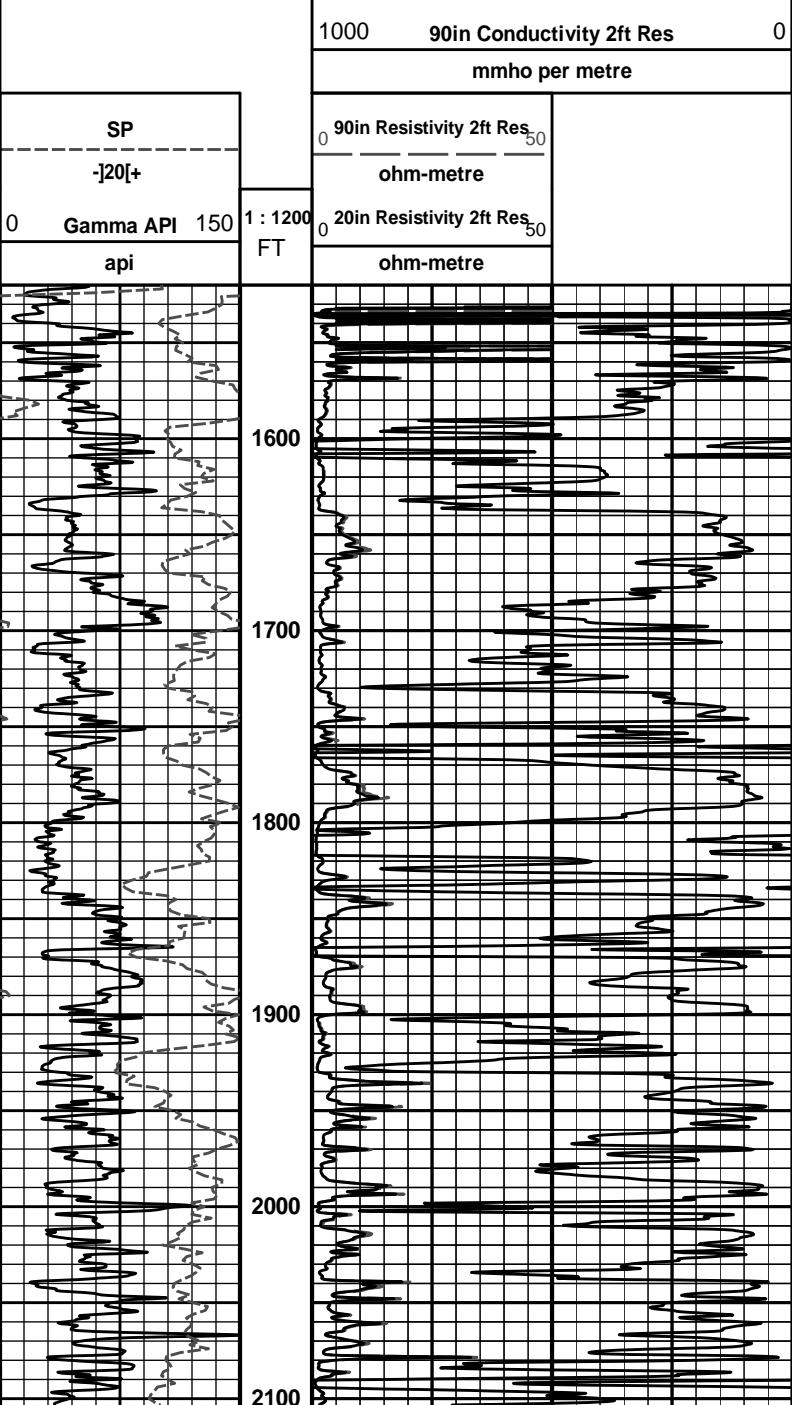
STATE: KANSAS

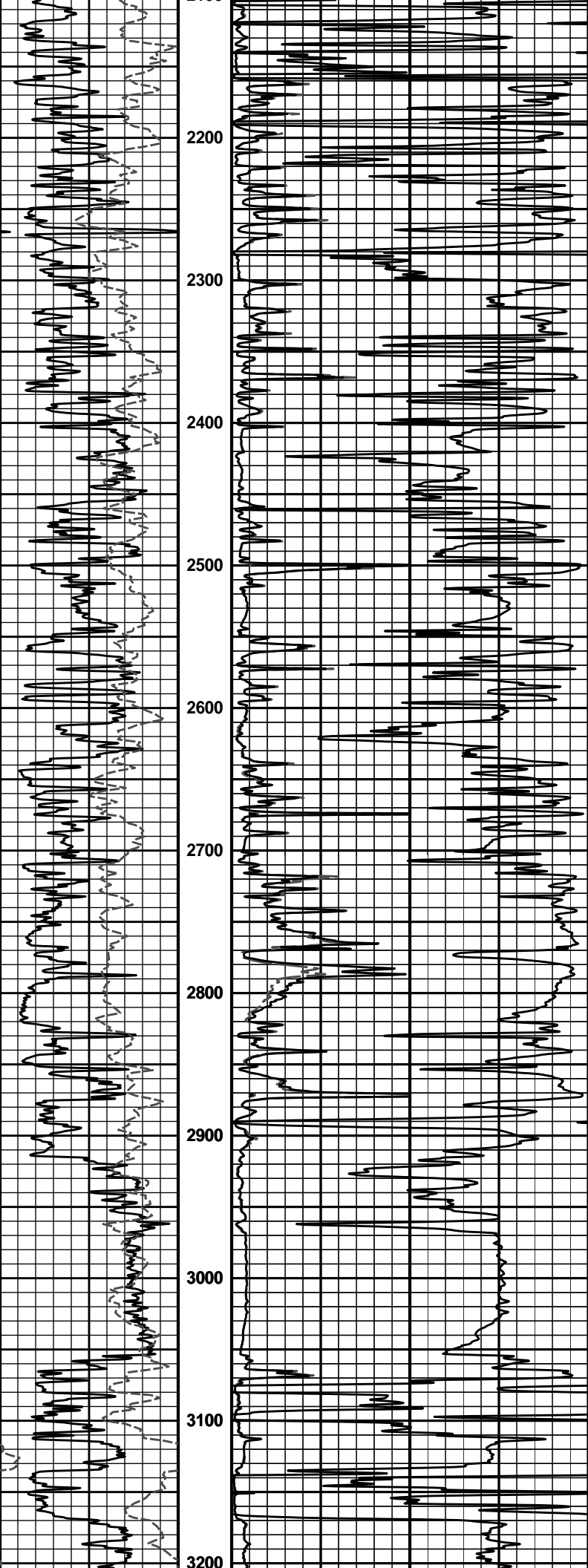
HALLIBURTON

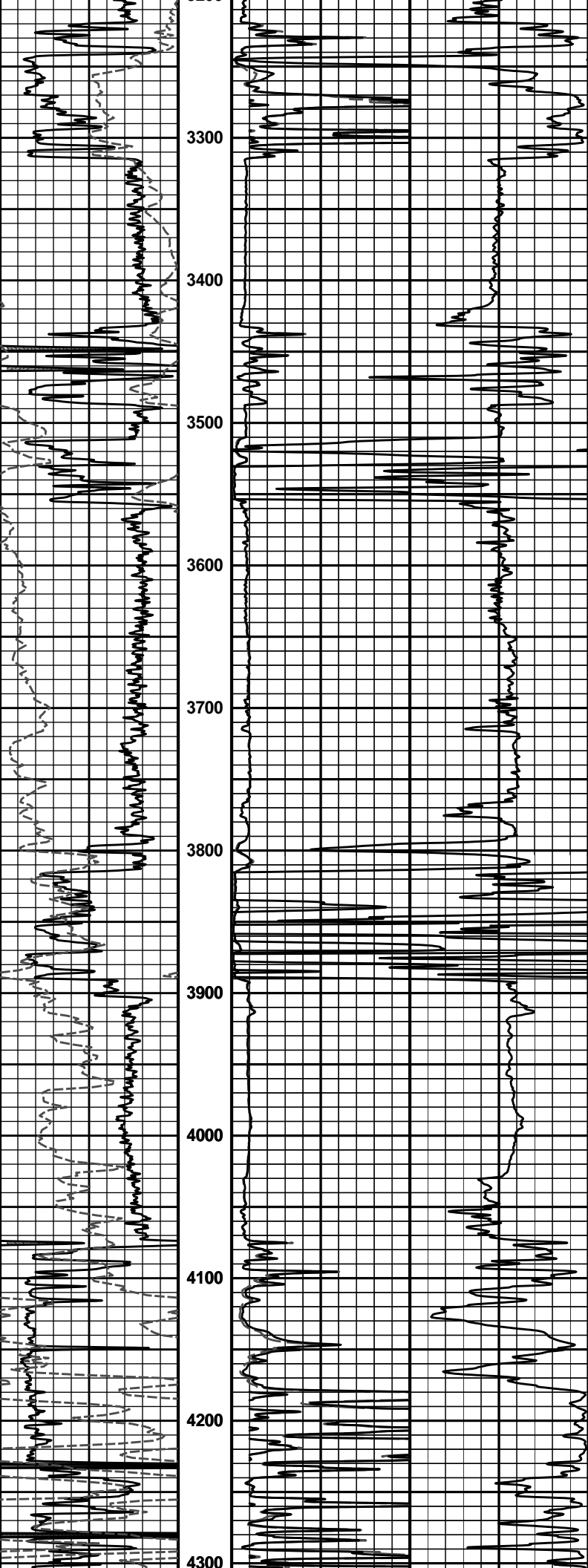
ARRAY COMPENSATED
TRUE RESISTIVITY
LOG

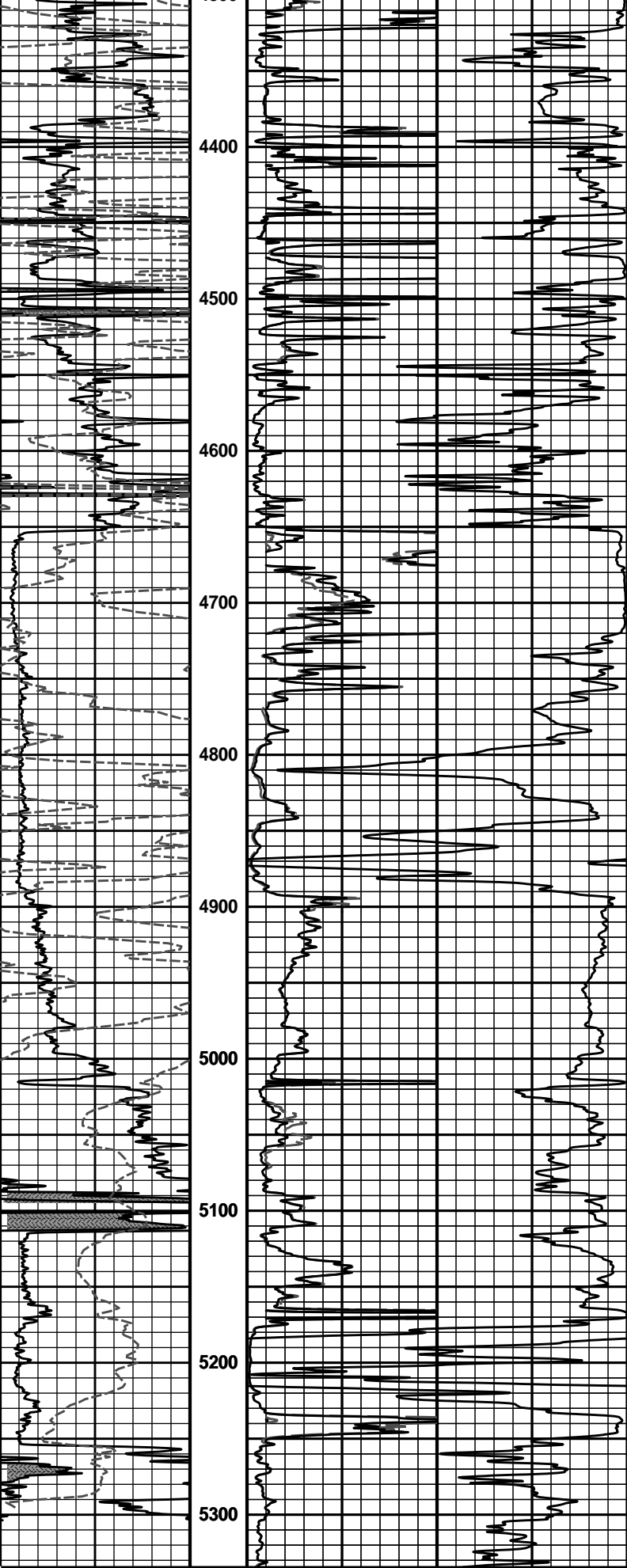
HALLIBURTON
Plot Time: 10-Apr-12 06:11:57
Plot Range: 1520 ft to 5334.5 ft
Data: KITTS_SWD_1Well BasedMAIN
Plot File: \\-LOCAL-KITTS_SWD_1\...\ACRT_1_lib

1 INCH MAIN LOG









0	Gamma API	150	1 : 1200	20in Resistivity 2ft Res ₅₀
	api		FT	ohm-metre
	SP			20in Resistivity: 2ft Res

SP

-]20[+

90in Resistivity 2ft Res

ohm-metre

1000 90in Conductivity 2ft Res 0

mmho per metre

HALLIBURTON

Plot Time: 10-Apr-12 06:12:00

Plot Range: 1520 ft to 5334.5 ft

Data: KITTs_SWd_1Well BasedMAIN

Plot File: \\-LOCAL-KITTs_SWd_1...ACRT_1_lib

1 INCH MAIN LOG

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

January 21, 2013

Brent Keys
Unit Petroleum Company
7130 S LEWIS AVE
STE 1000
TULSA, OK 74136-5492

Re: ACO1
API 15-077-21827-00-00
Kitts SWD #1
SE/4 Sec.20-34S-08W
Harper County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Brent Keys

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

January 22, 2013

Brent Keys
Unit Petroleum Company
7130 S LEWIS AVE
STE 1000
TULSA, OK 74136-5492

Re: ACO-1
API 15-077-21827-00-00
Kitts SWD #1
SE/4 Sec.20-34S-08W
Harper County, Kansas

Dear Brent Keys:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 4/1/2012 and the ACO-1 was received on January 21, 2013 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department