

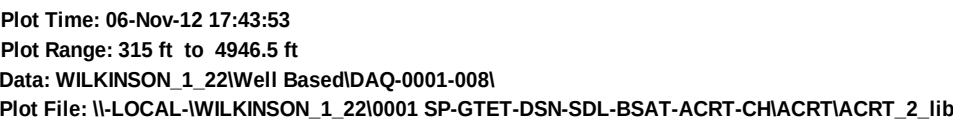
HALLIBURTON

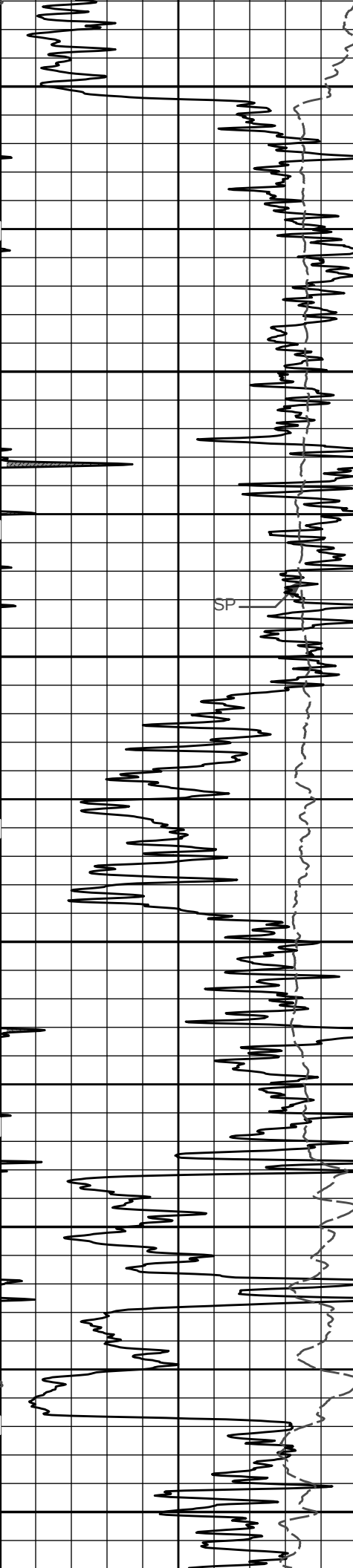
ARRAY COMPENSATED TRUE RESISTIVITY LOG

COMPANY		HARTMAN OIL CO., LLC	
WELL		WILKINSON 1-22	
FIELD		WILDCAT	
COUNTY		WICHITA	
STATE		KANSAS	
Permanent Datum		GL	
Log measured from		KB	
Drilling measured from		KB	
Date		06-Nov-12	
Run No.		ONE	
Depth - Driller		4950.00 ft	
Depth - Logger		4944.0 ft	
Bottom - Logged Interval		4934.0 ft	
Top - Logged Interval		332.0 ft	
Casing - Driller		8.625 in @ 335.0 ft	
Casing - Logger		332.0 ft	
Bit Size		7.875 in @	
Type Fluid in Hole		WATER BASED	
Density		9.3 ppq @ 63.00 s/qt	
PH		10.00 pH @ 8.0 cp/m	
Source of Sample		FLOWLINE	
Rm @ Meas. Temperature		0.600 ohmm @ 70.00 degF @	
Rmf @ Meas. Temperature		0.48 ohmm @ 70.00 degF @	
Rmc @ Meas. Temperature		0.700 ohmm @ 70.00 degF @	
Source Rmf		MEASURED	
Rm @ BHT		0.39 ohmm @ 110.0 degF @	
Time Since Circulation		10.0 hr	
Time on Bottom		06-Nov-12 16:38	
Max. Rec. Temperature		110.0 degF @ 4944.0 ft @	
Equipment		10546696 LIBERAL	
Recorded By		T. HYDE	
Witnessed By		K. NOAH	

Fold here

Service Ticket No.: 9926602				API Serial No.: 15-171-20913				PGM Version: WL INSITE R3.6.0 (Build 3)							
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		CENT.	
Rmc @ Meas. Temp.		@		@						I962					
Source Rmf		Rmc								S11005909					
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.		T-102		Spacing				Log Type				Log Type			
Type		SCINT						Source Type				Source Type			
Length		8"		LSA [Y/N]				Serial No.				Serial No.			
Distance to Source		10'		FWDA [Y/N]				Strength				Strength			
LOGGING DATA															
GENERAL				GAMMA				ACOUSTIC				DENSITY			





500

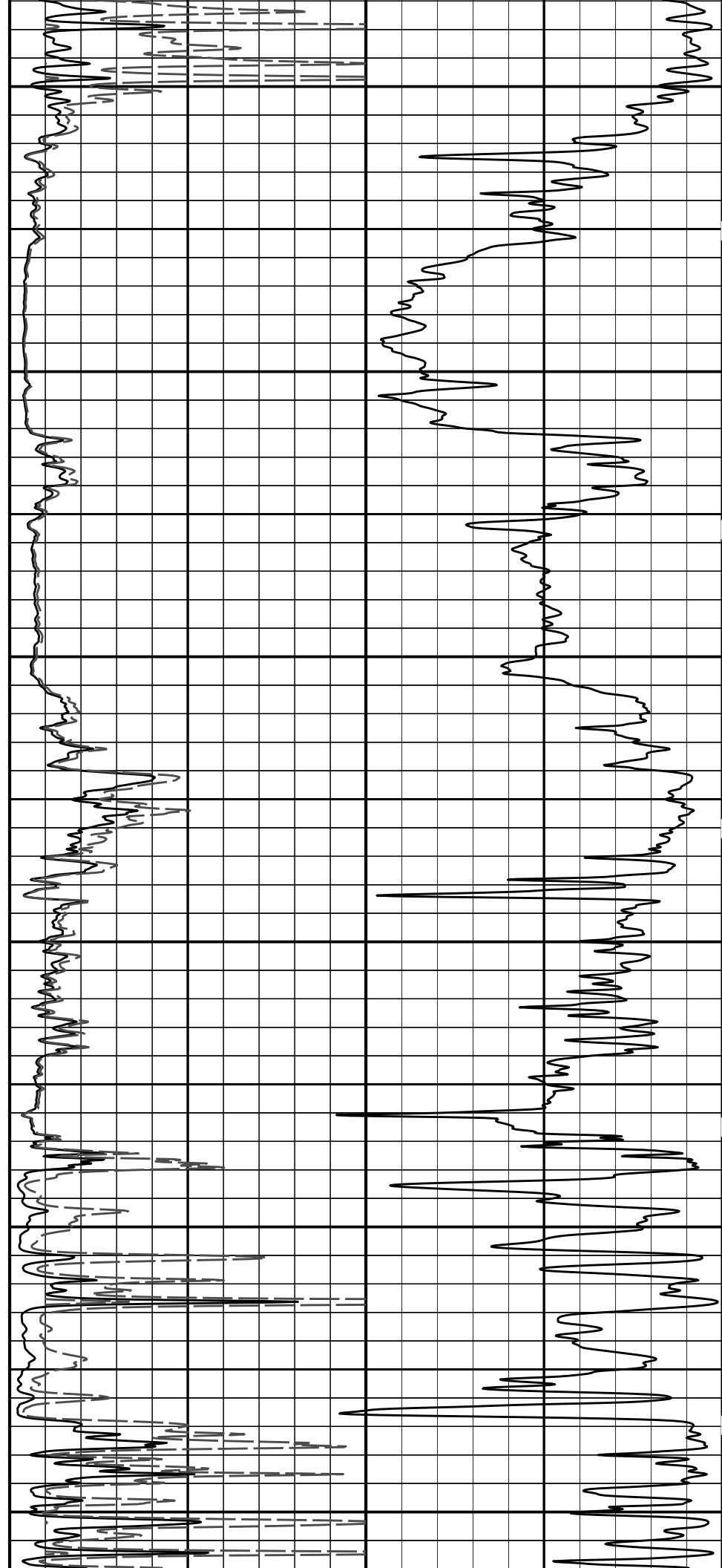
600

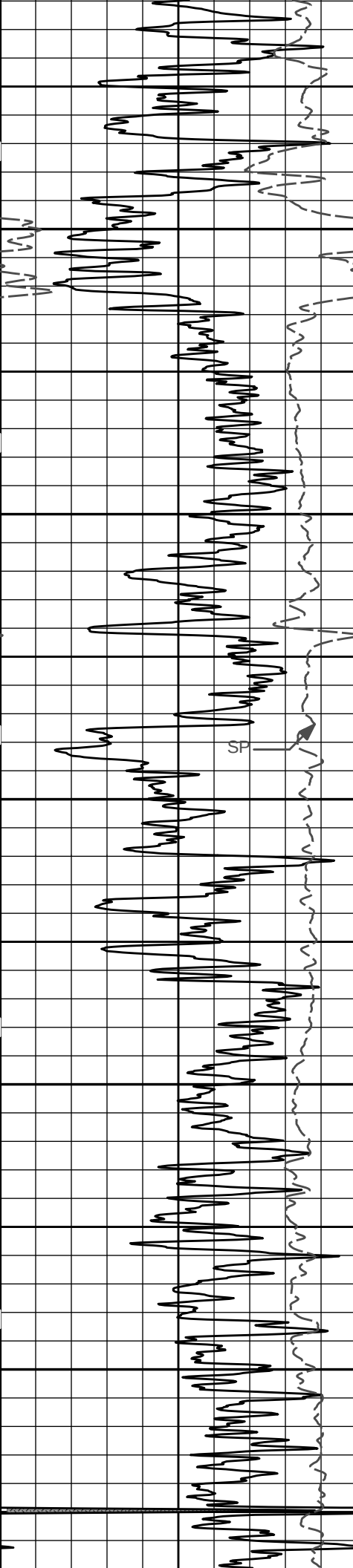
700

800

900

1000





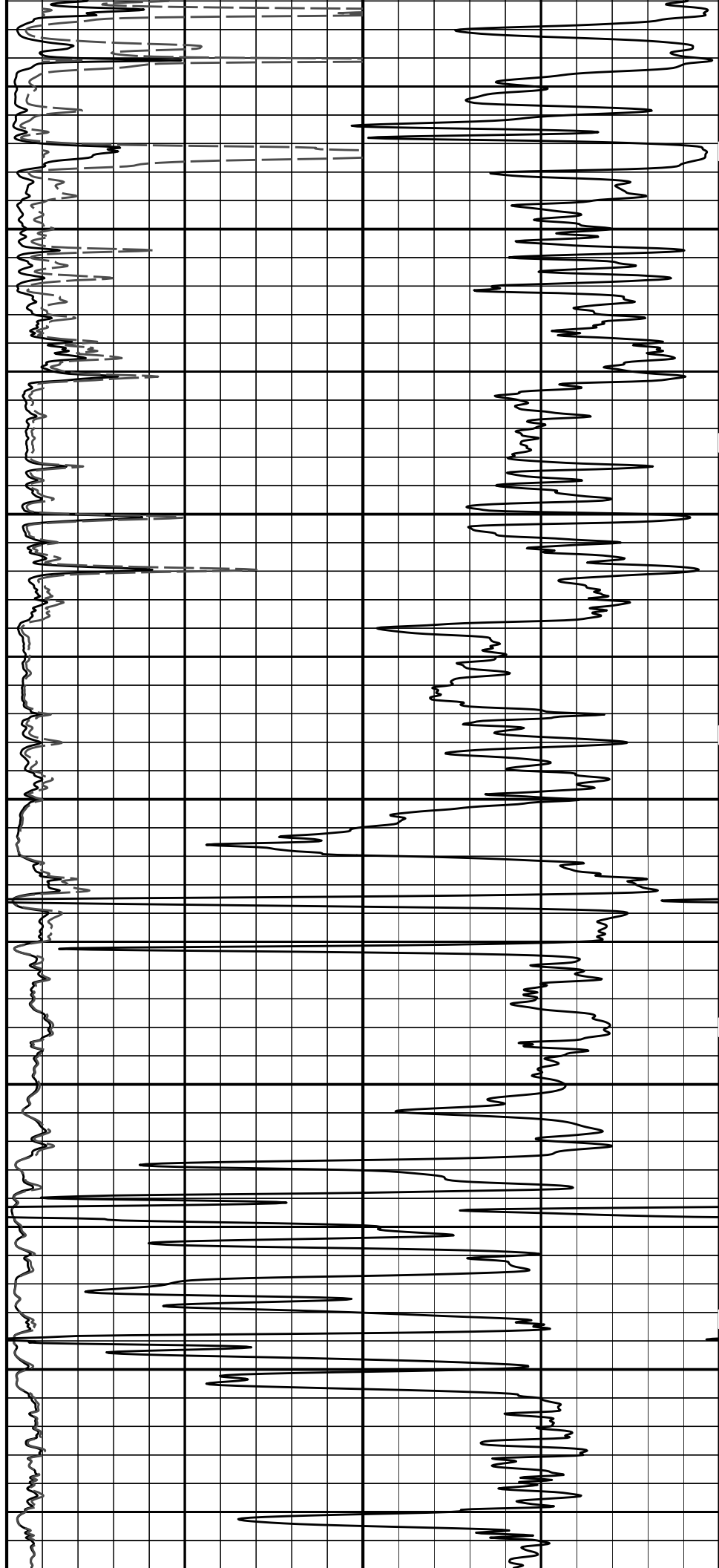
1100

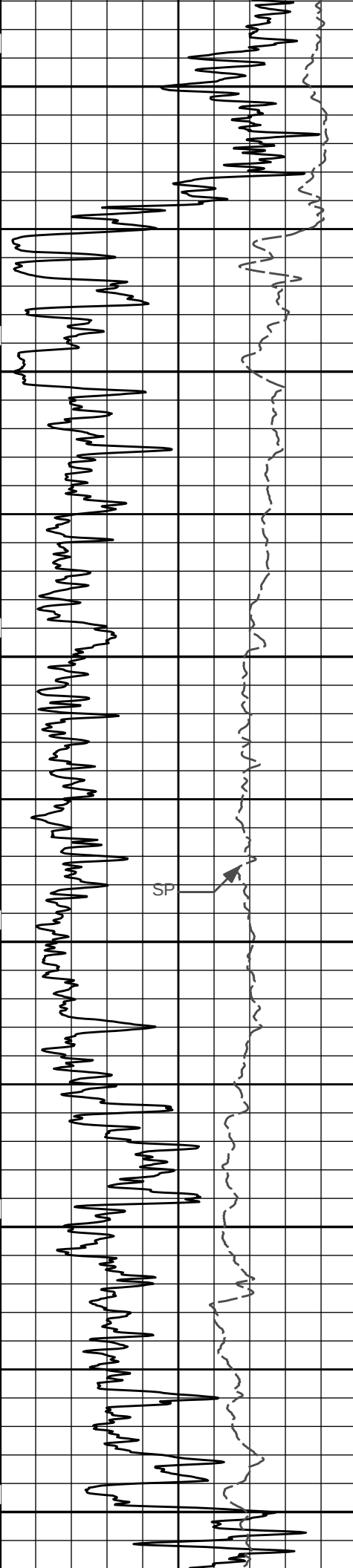
1200

1300

1400

1500





1600

1700

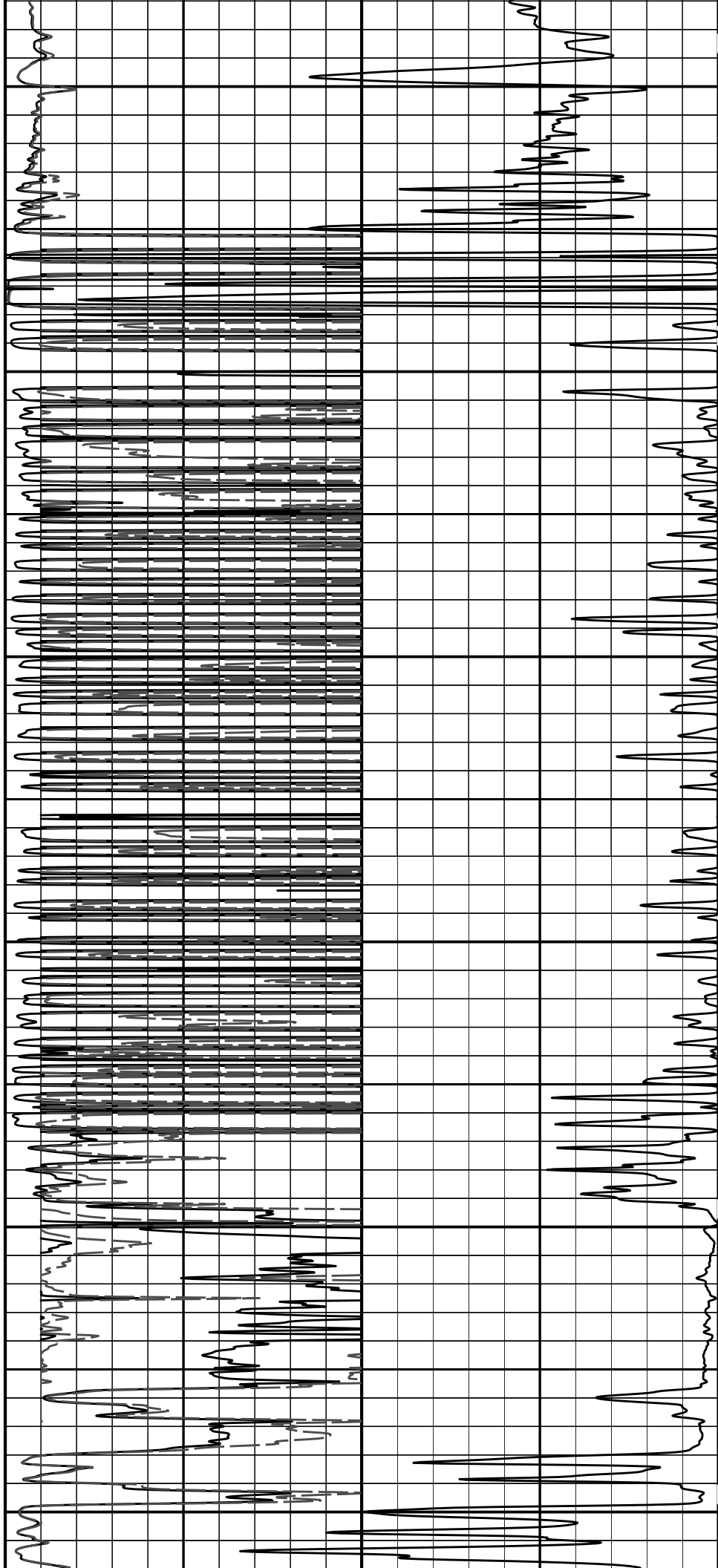
1800

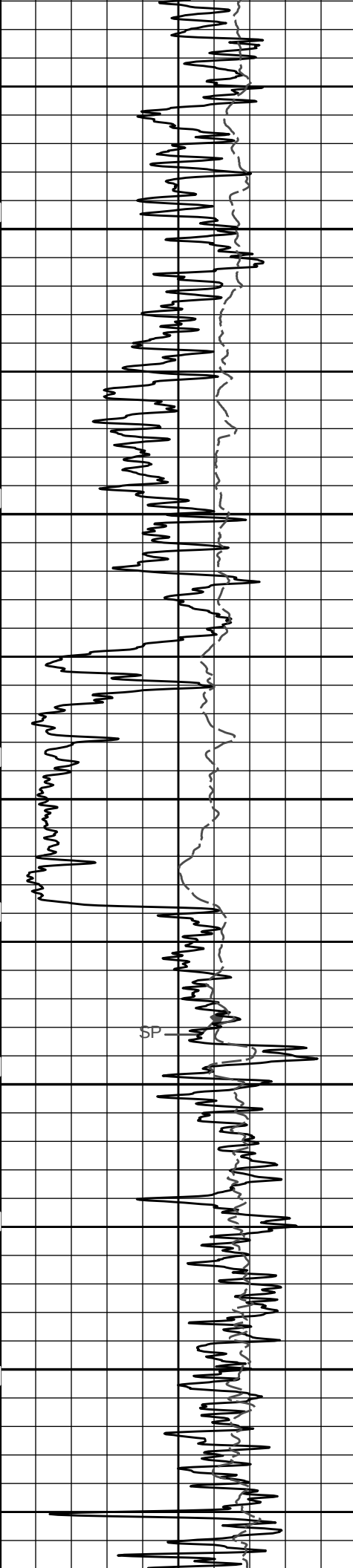
1900

2000

2100

SP





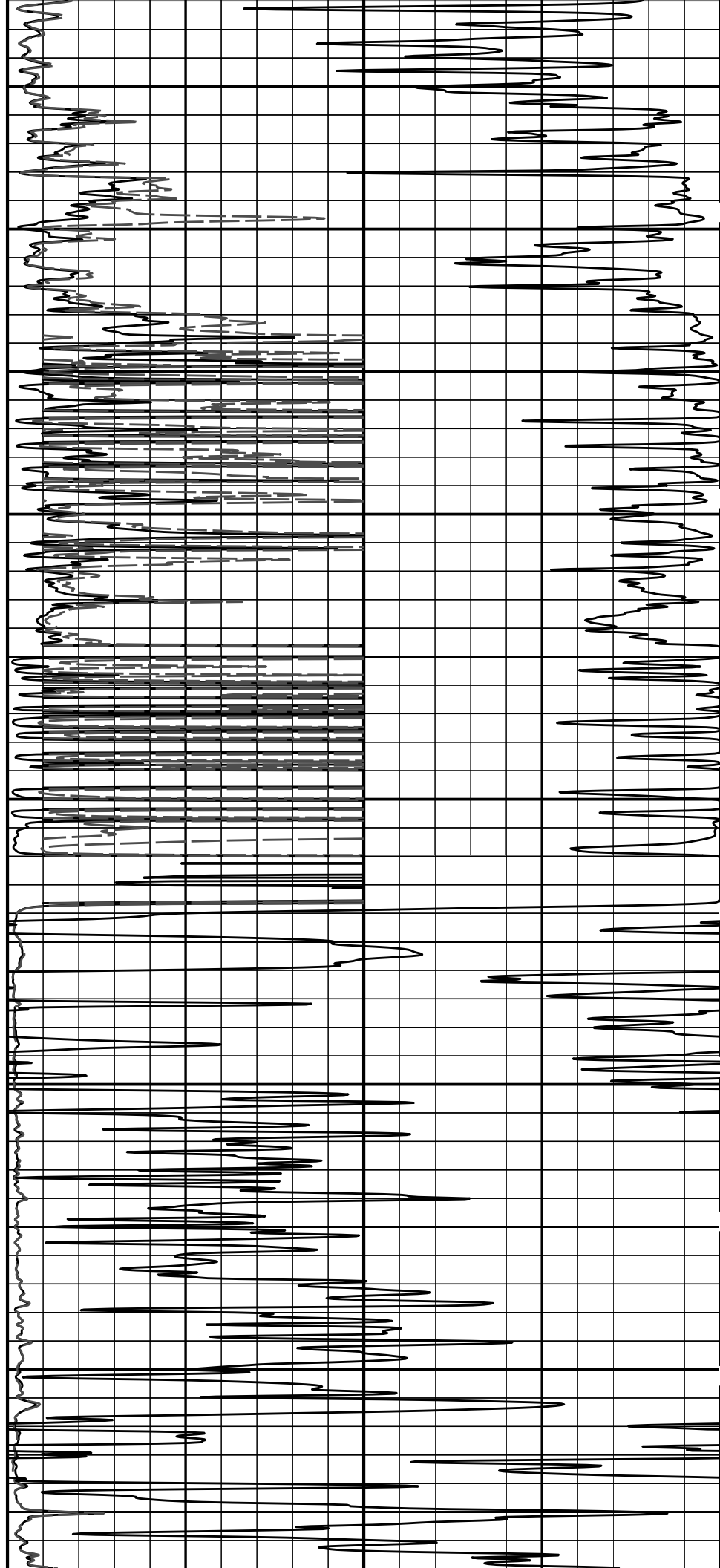
2200

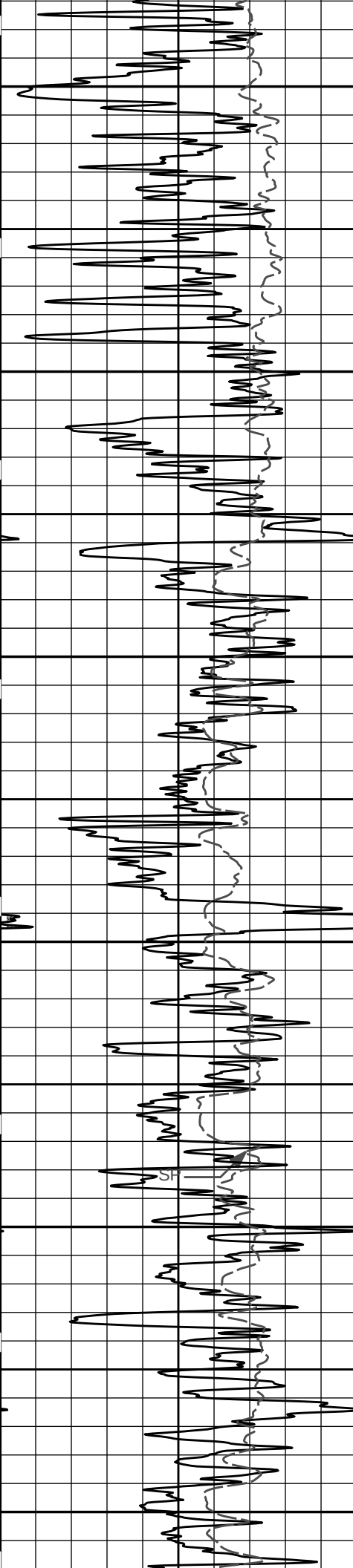
2300

2400

2500

2600





2700

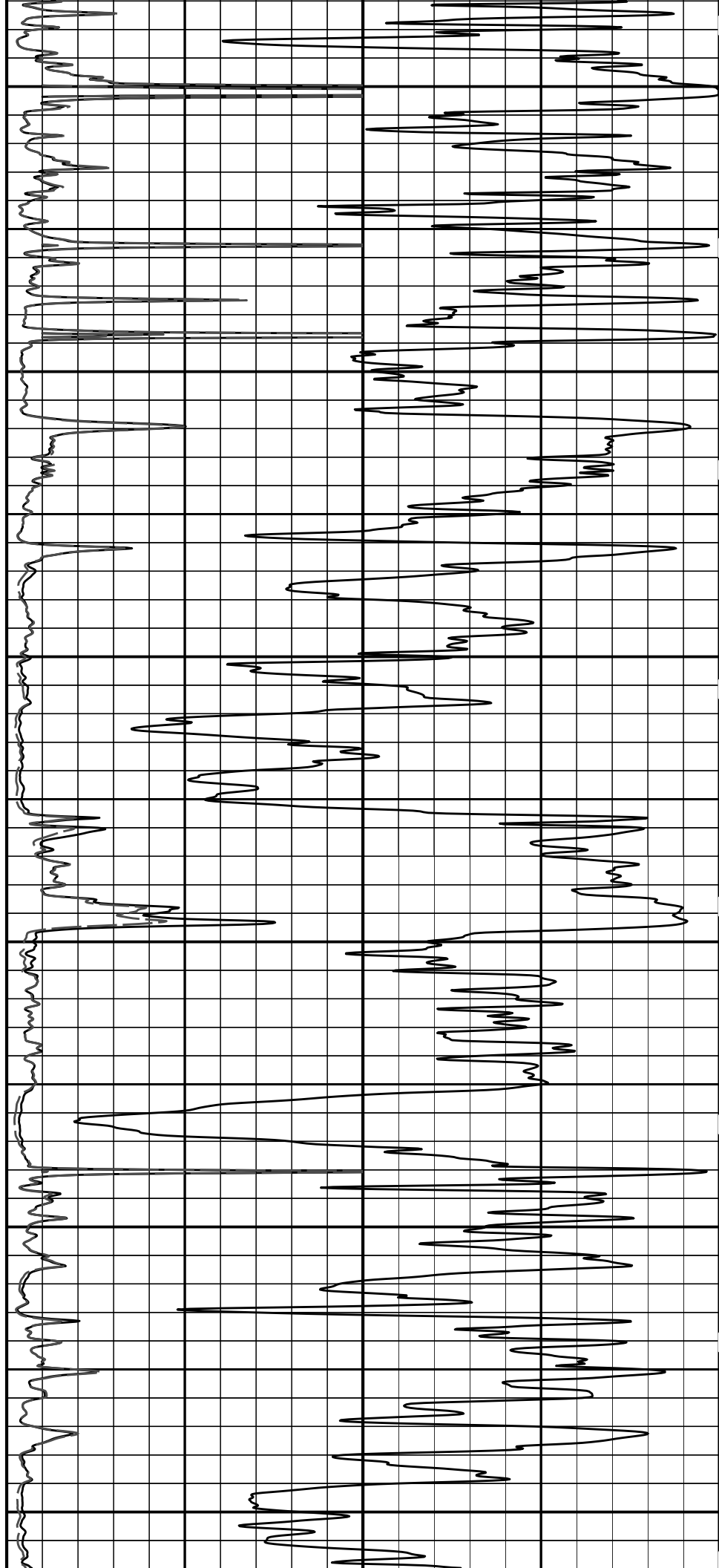
2800

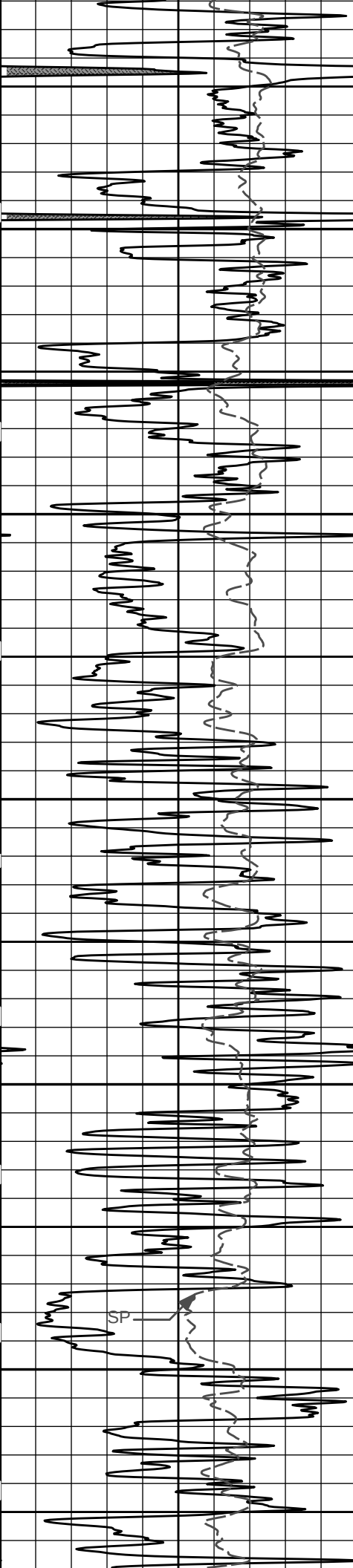
2900

3000

3100

3200





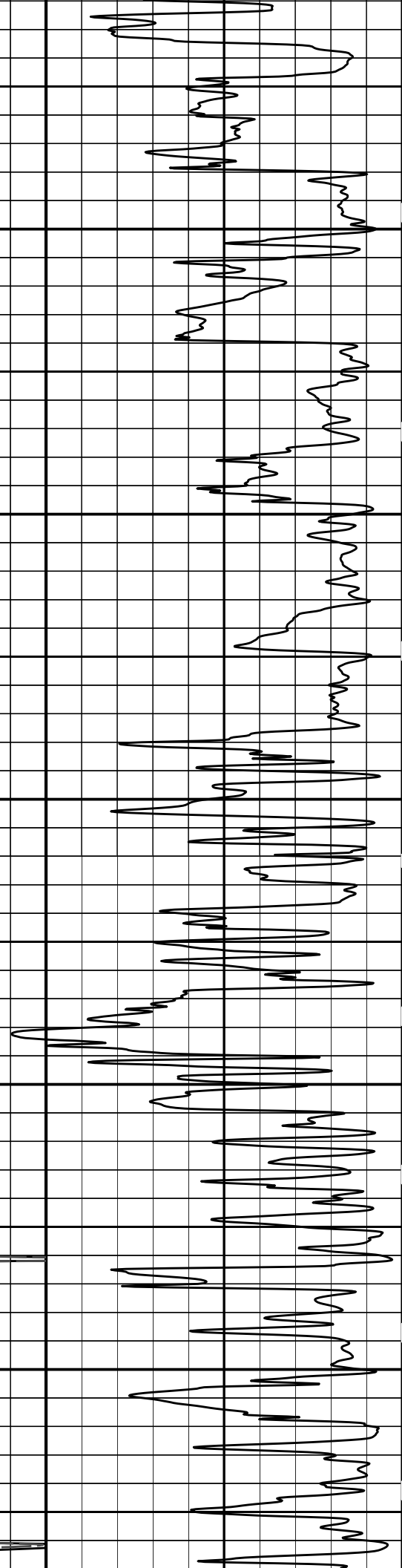
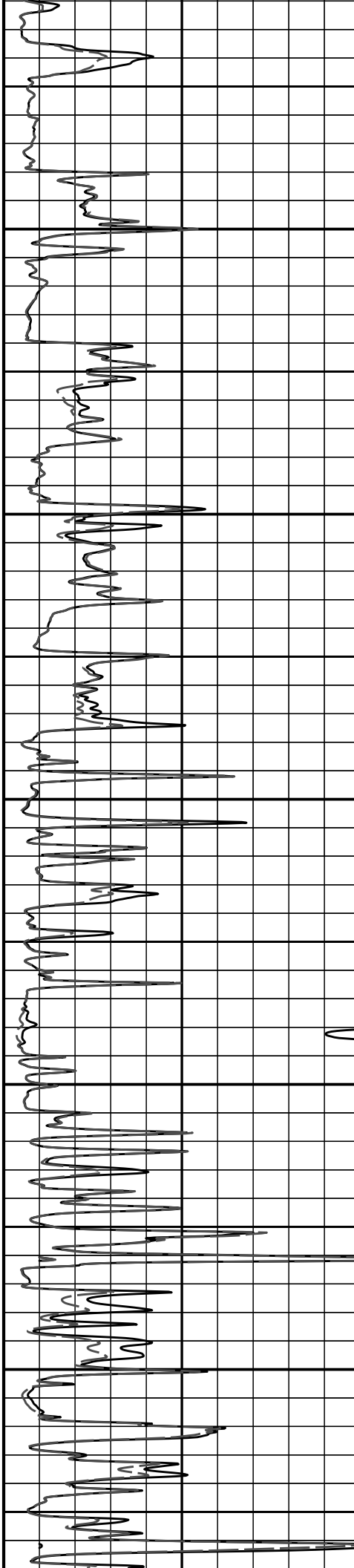
3300

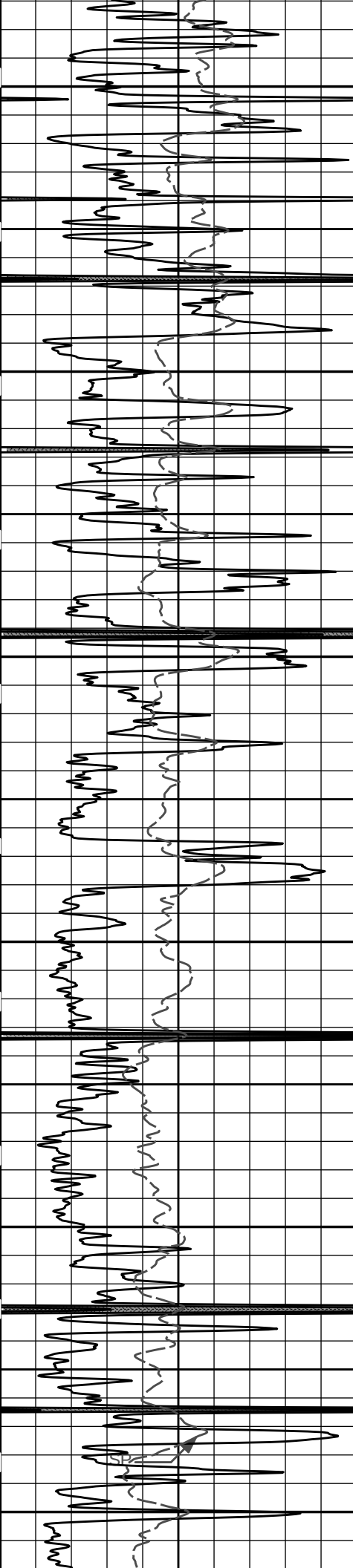
3400

3500

3600

3700





3800

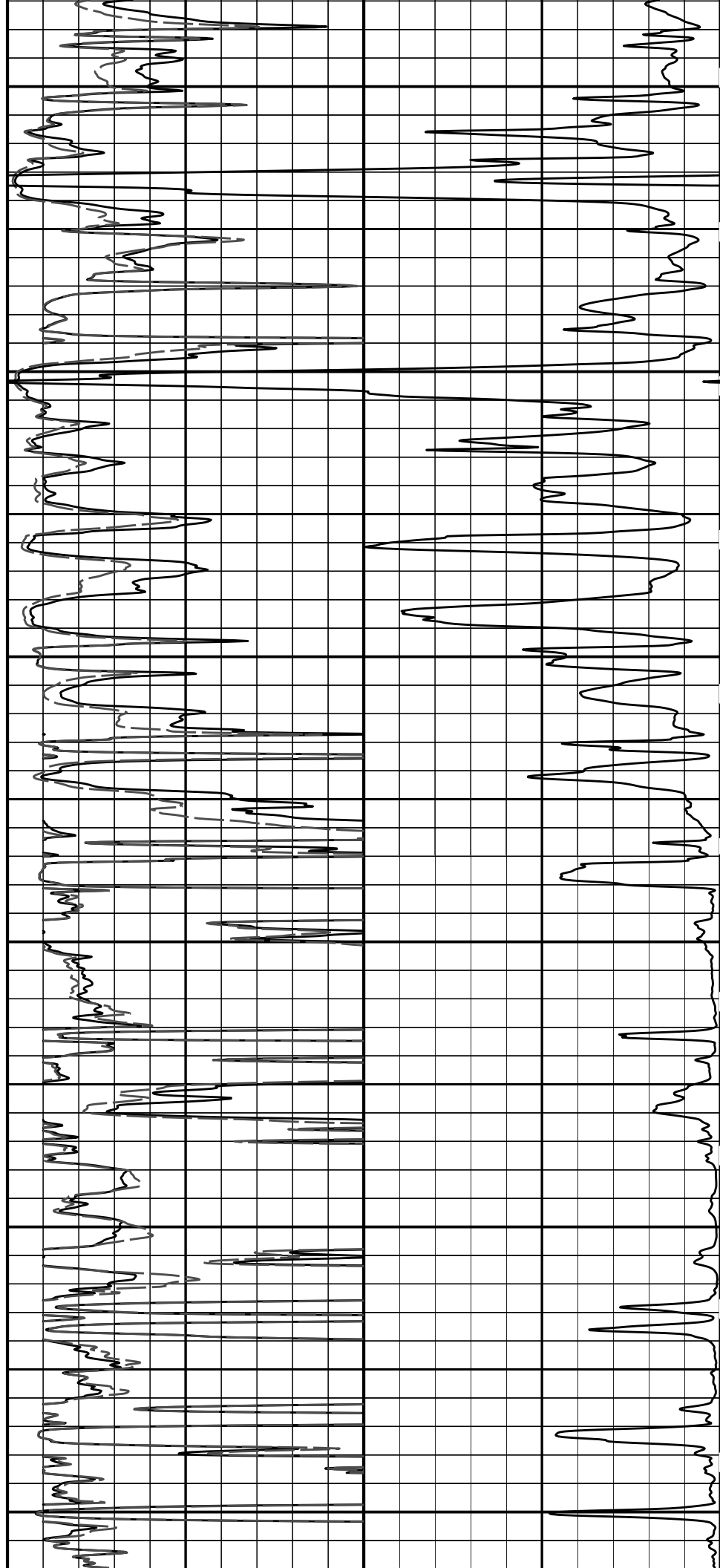
3900

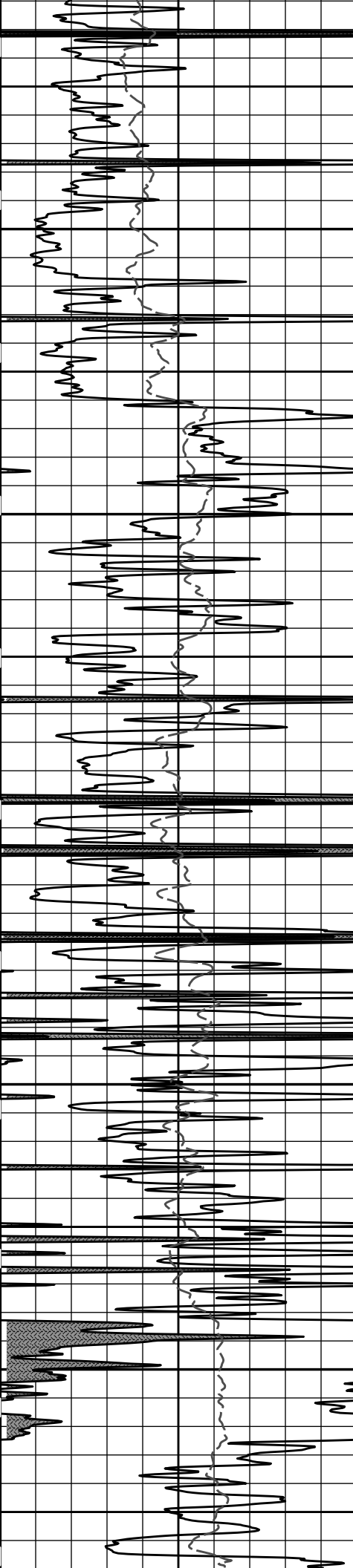
4000

4100

4200

4300





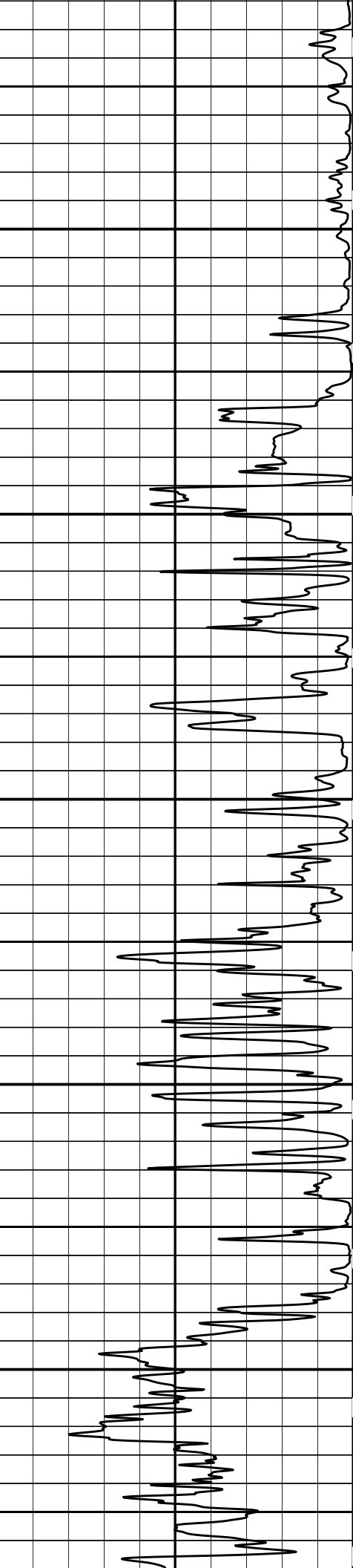
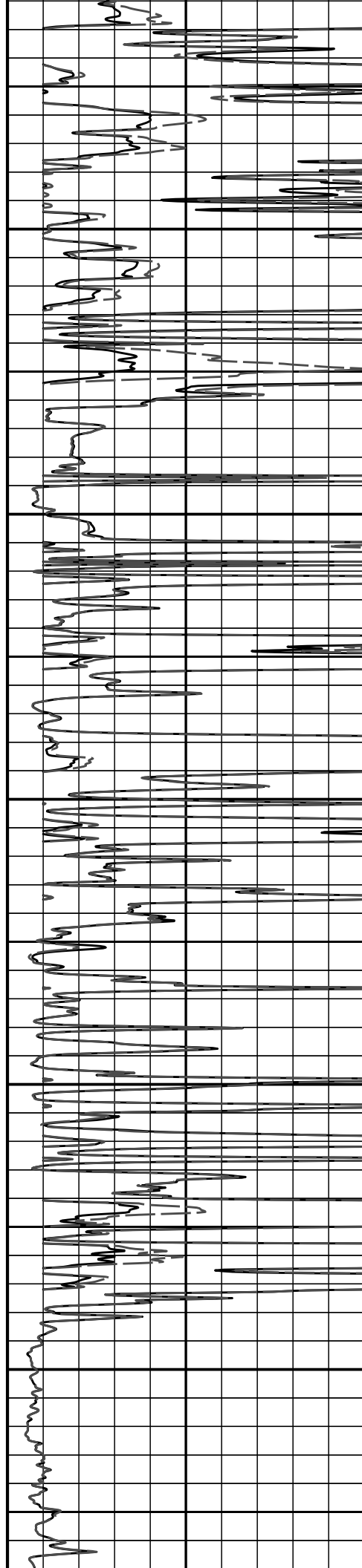
4400

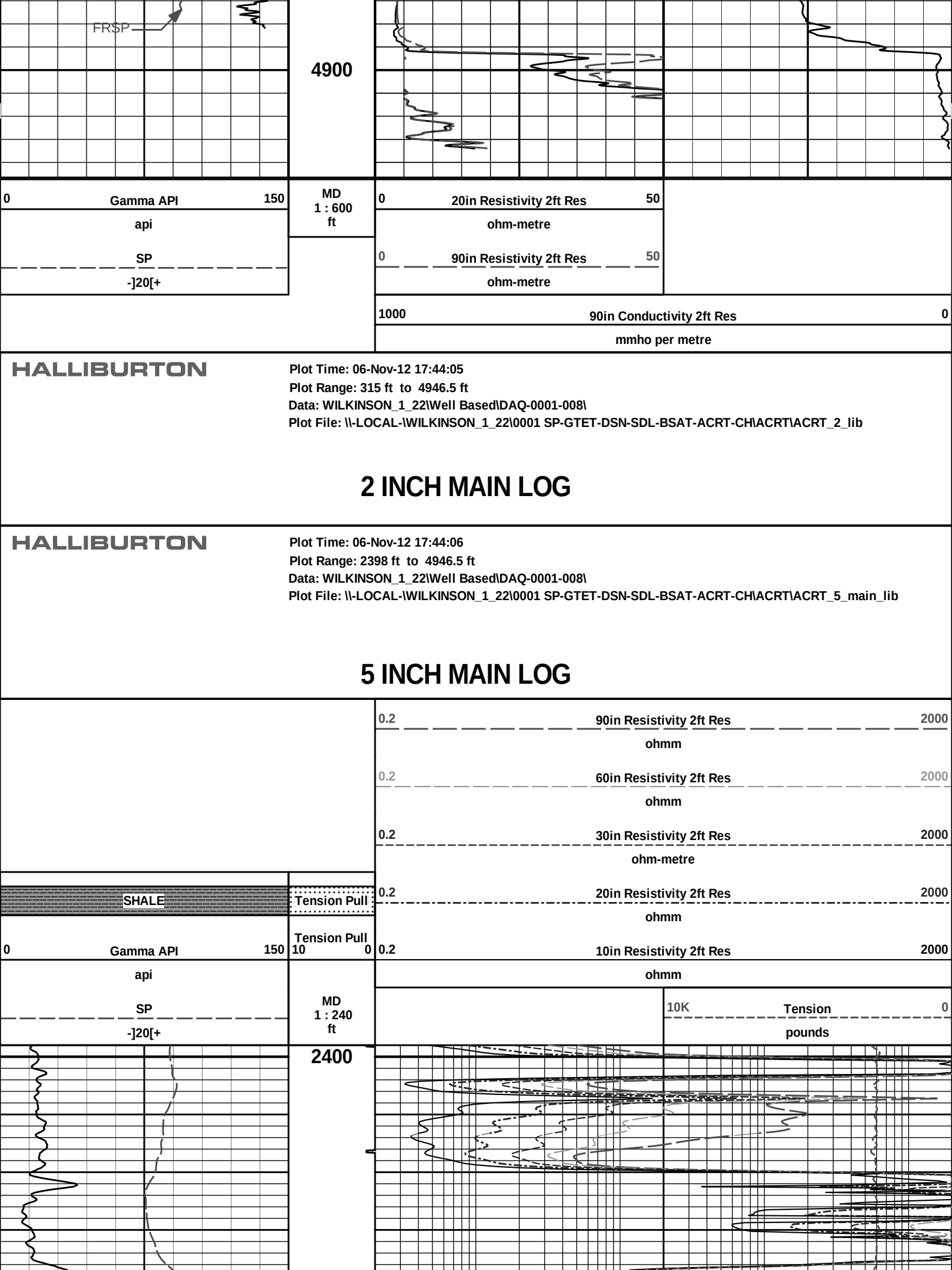
4500

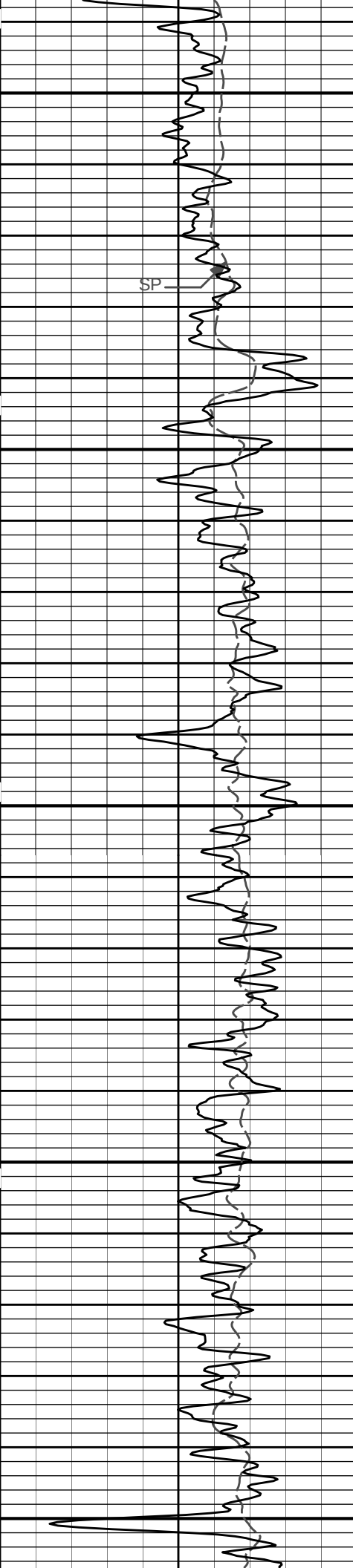
4600

4700

4800

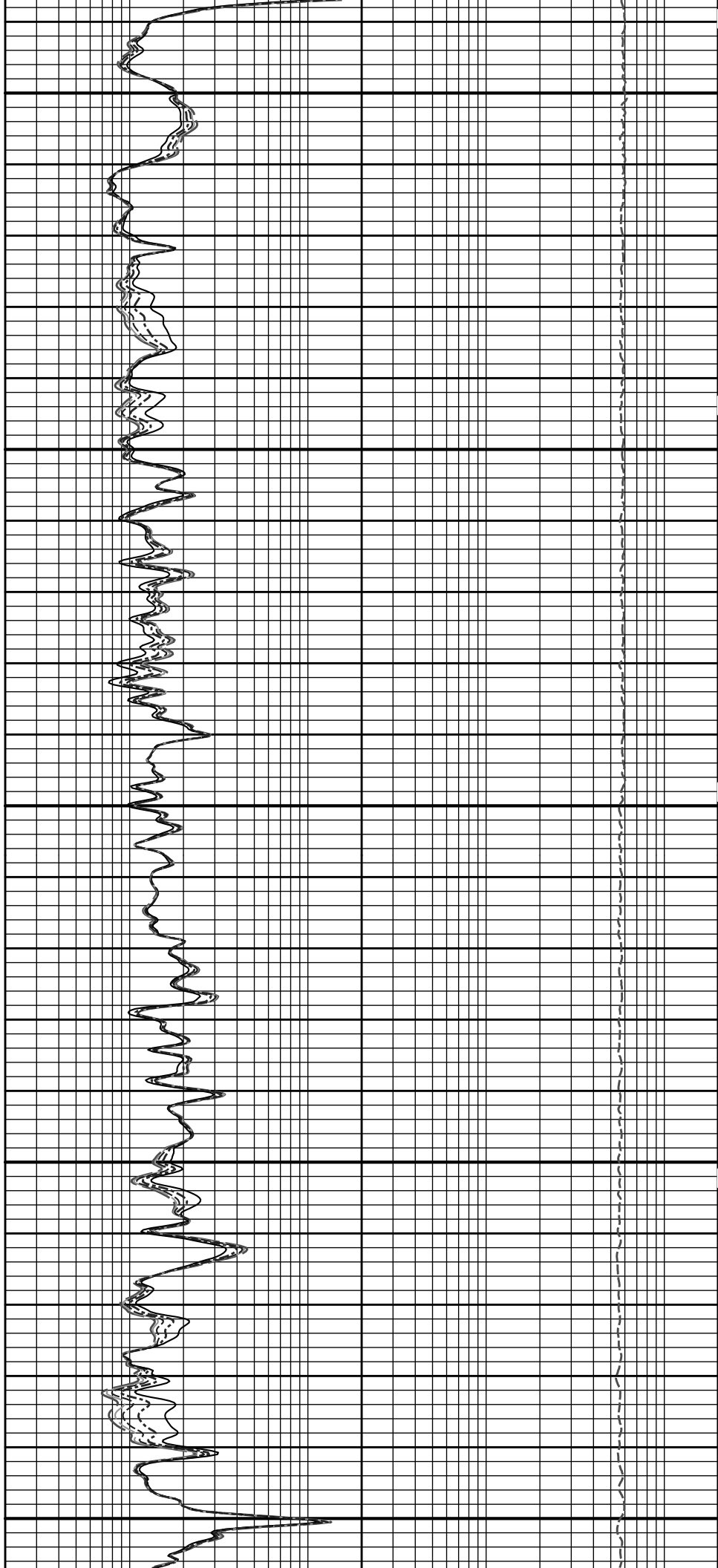


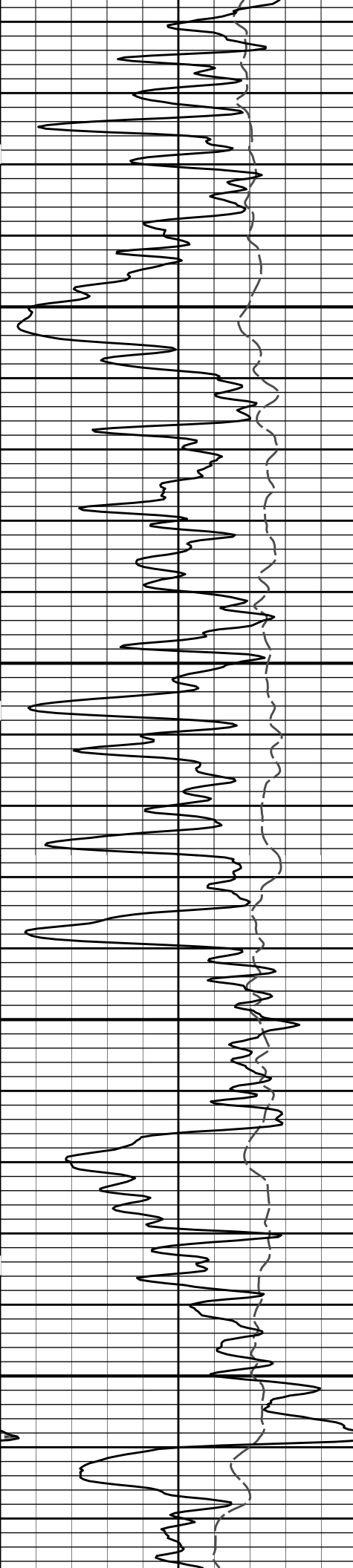




2500

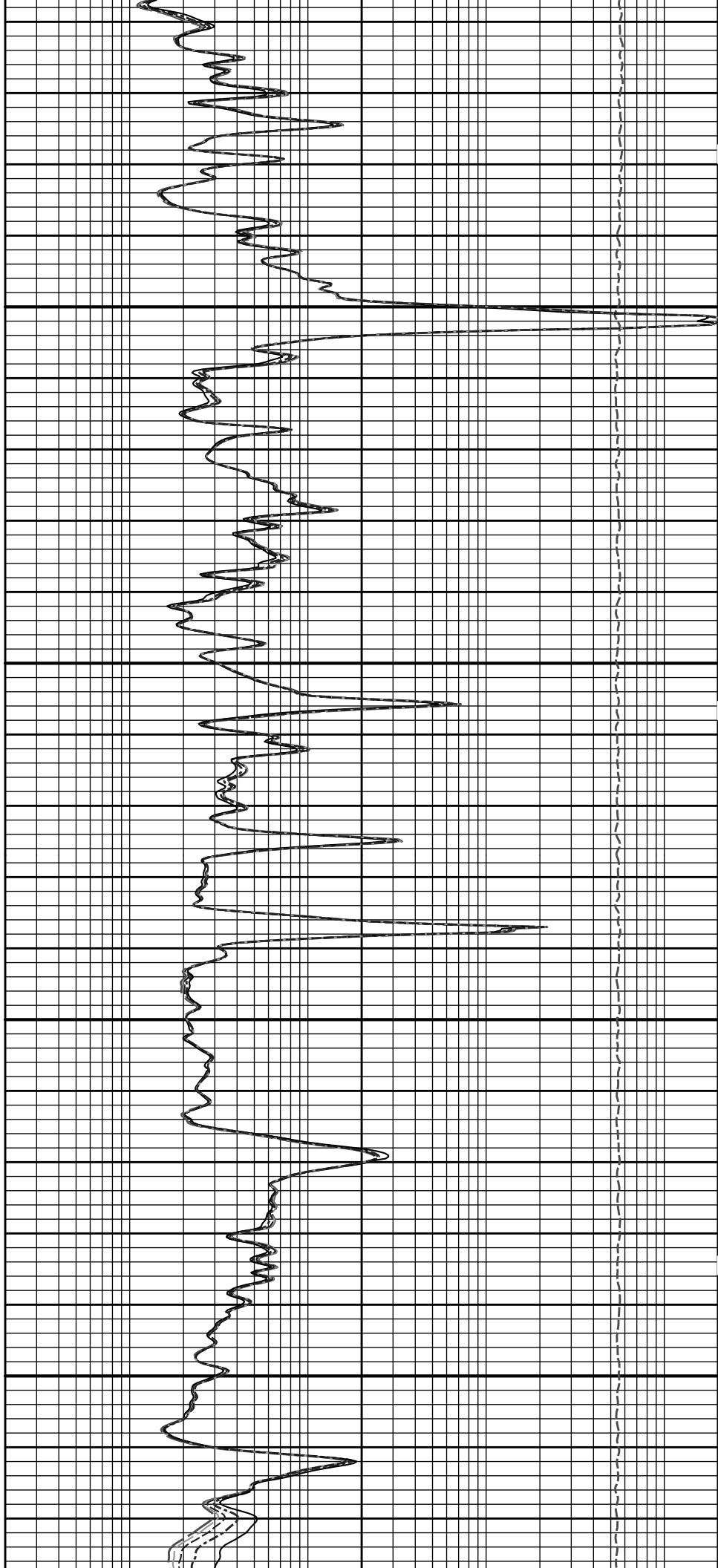
2600

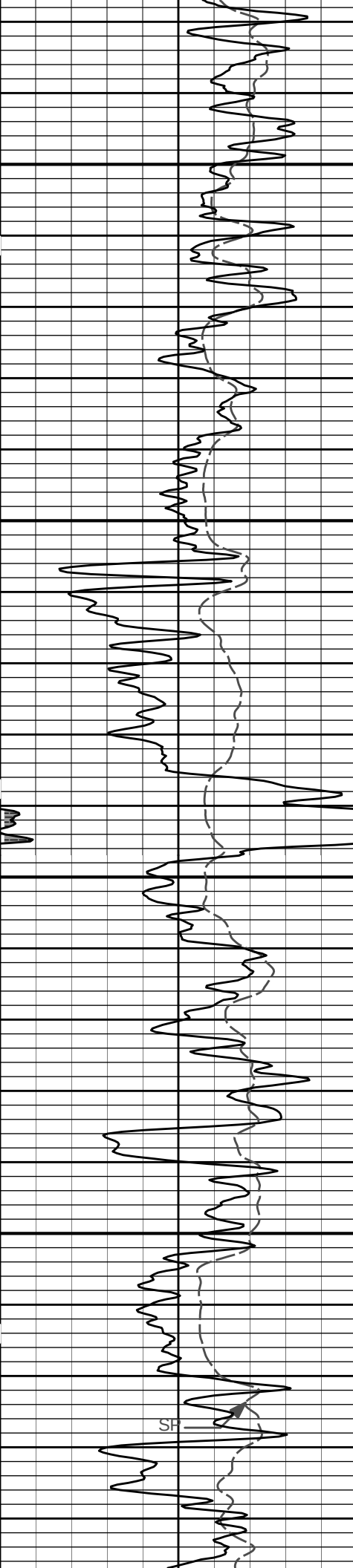




2700

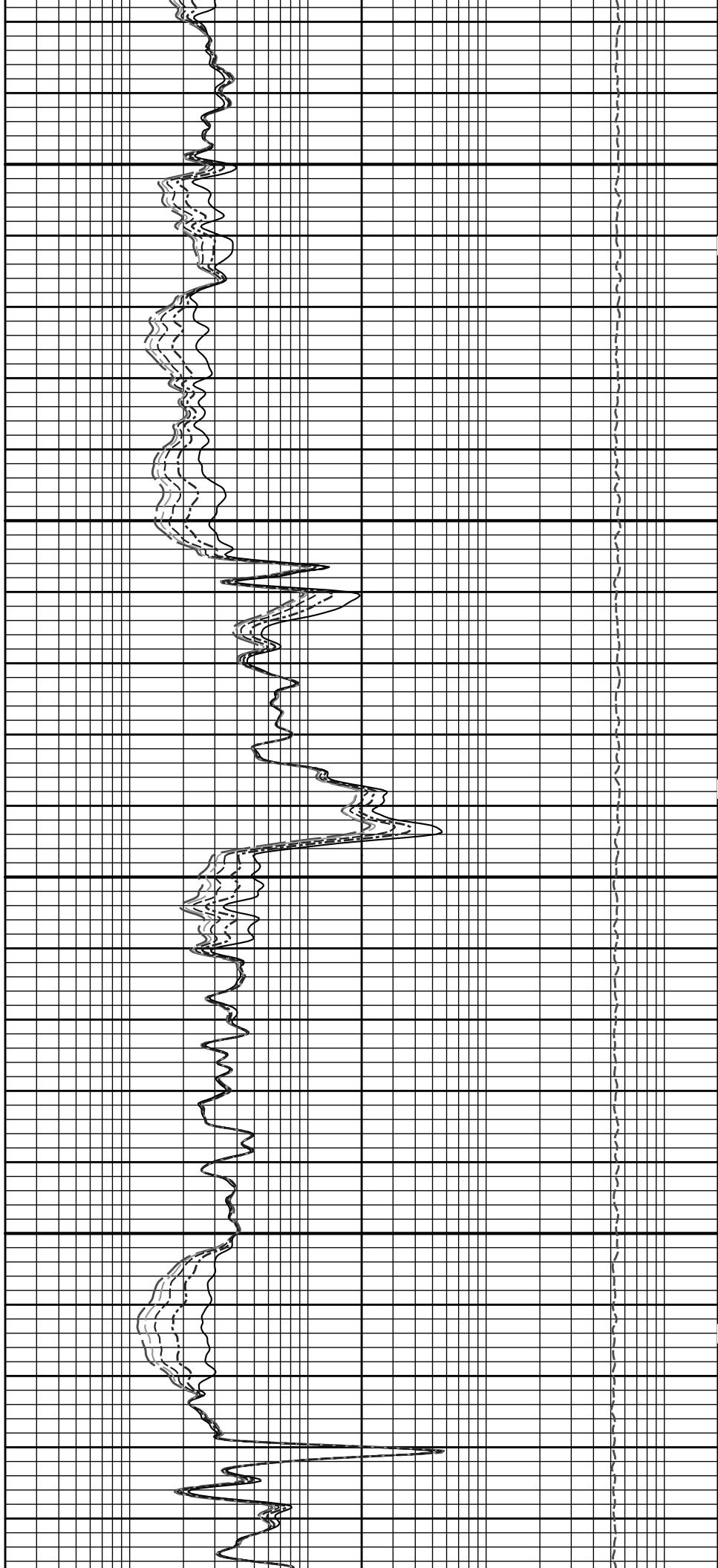
2800

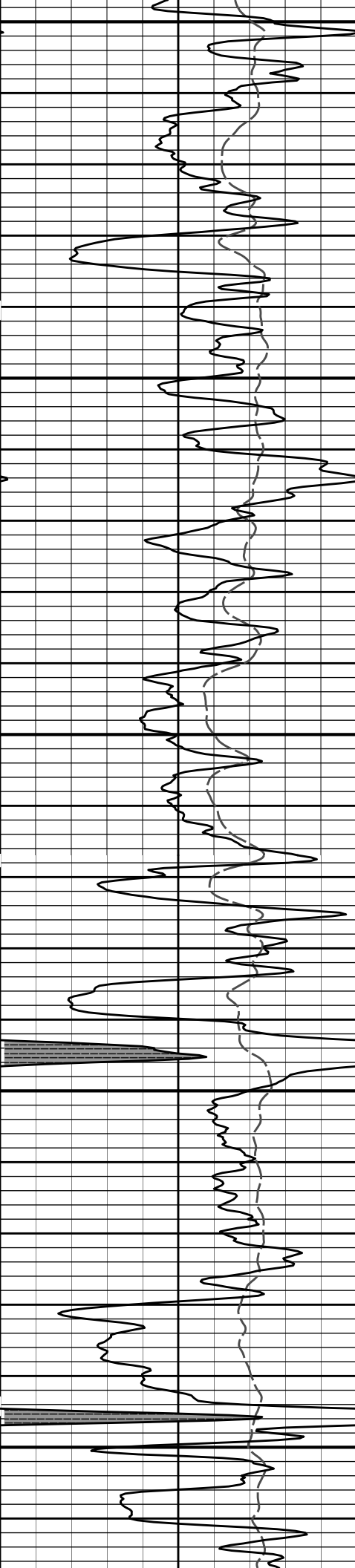




2900

3000

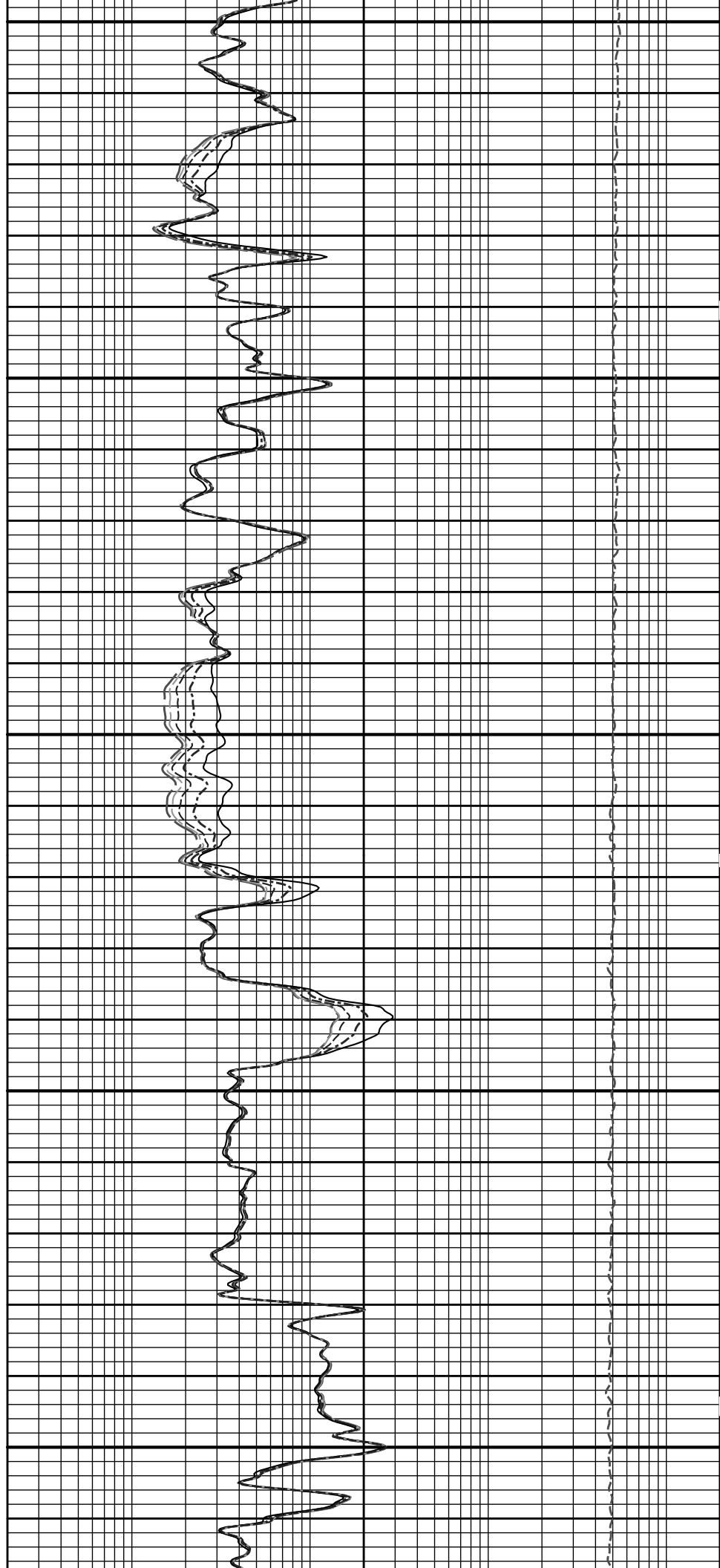


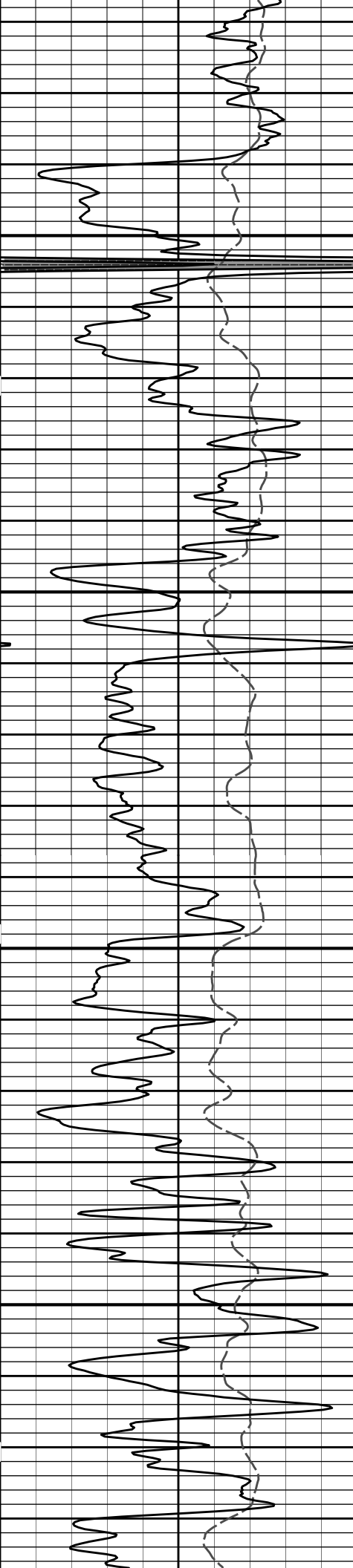


3100

3200

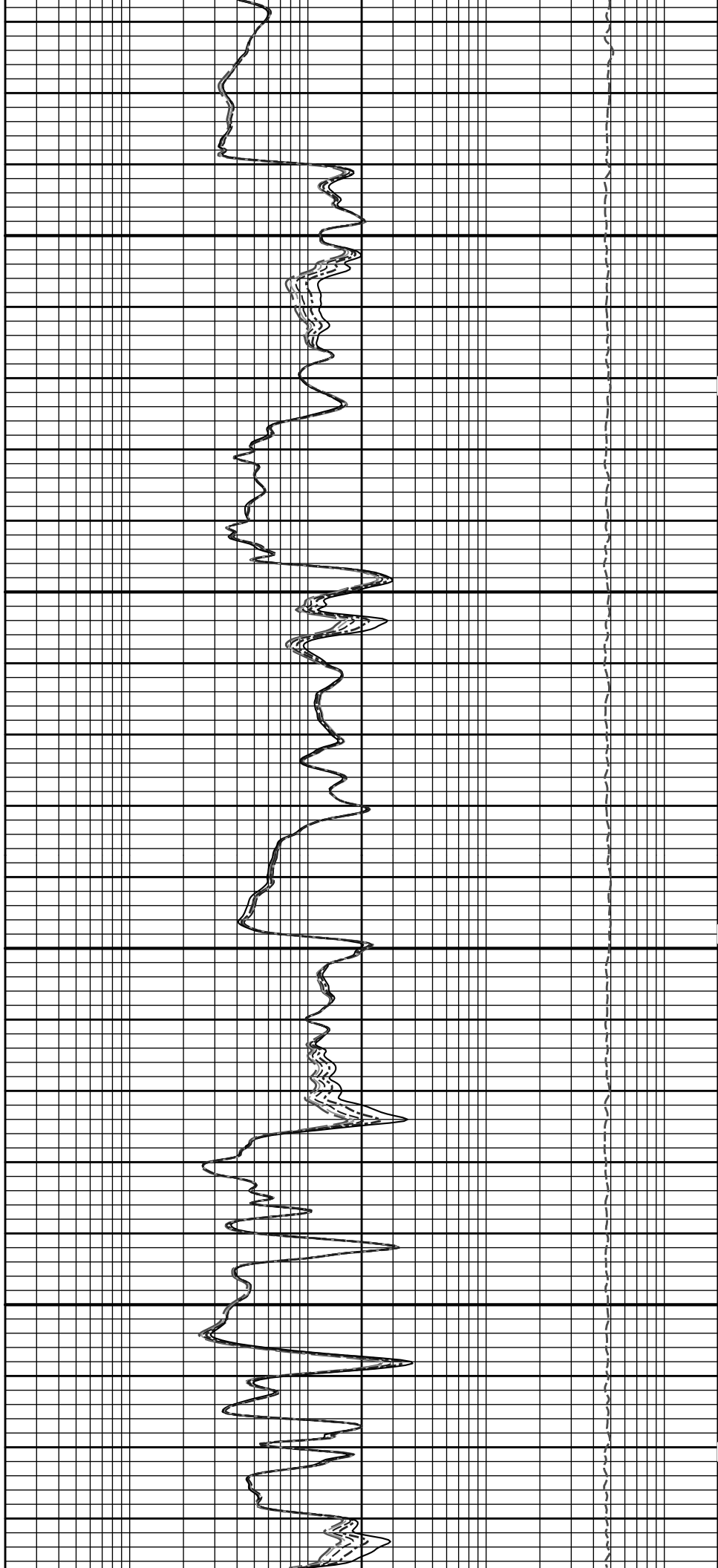
3300

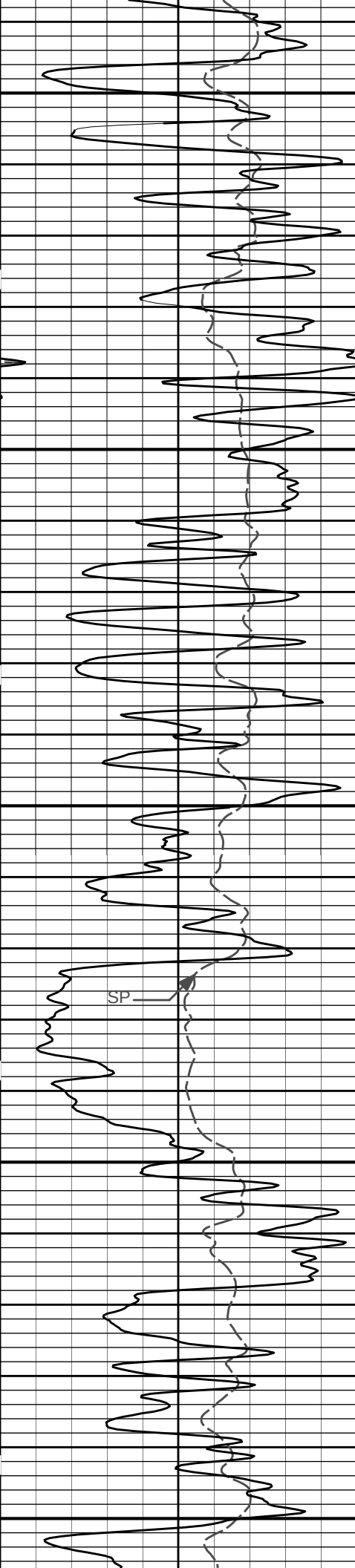




3400

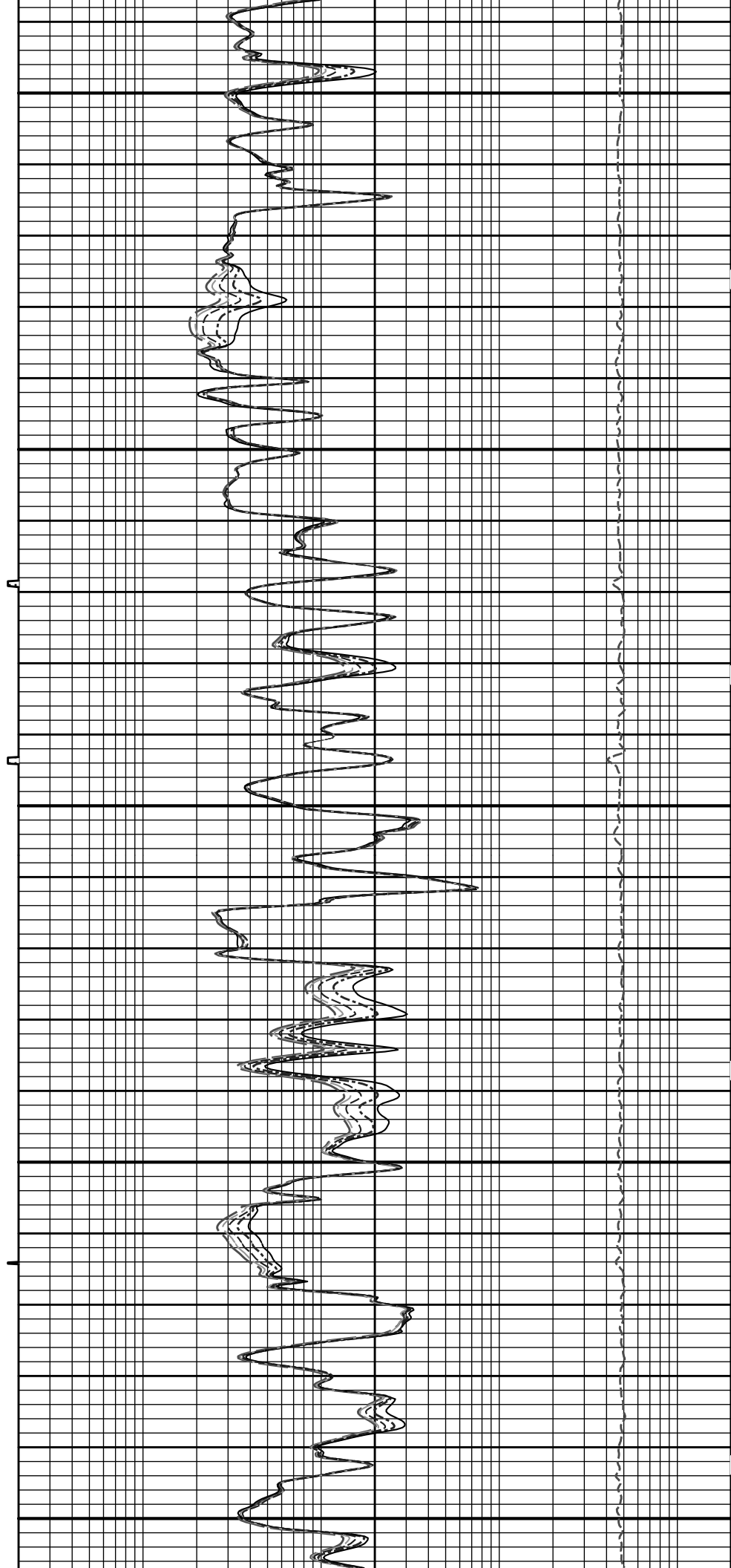
3500

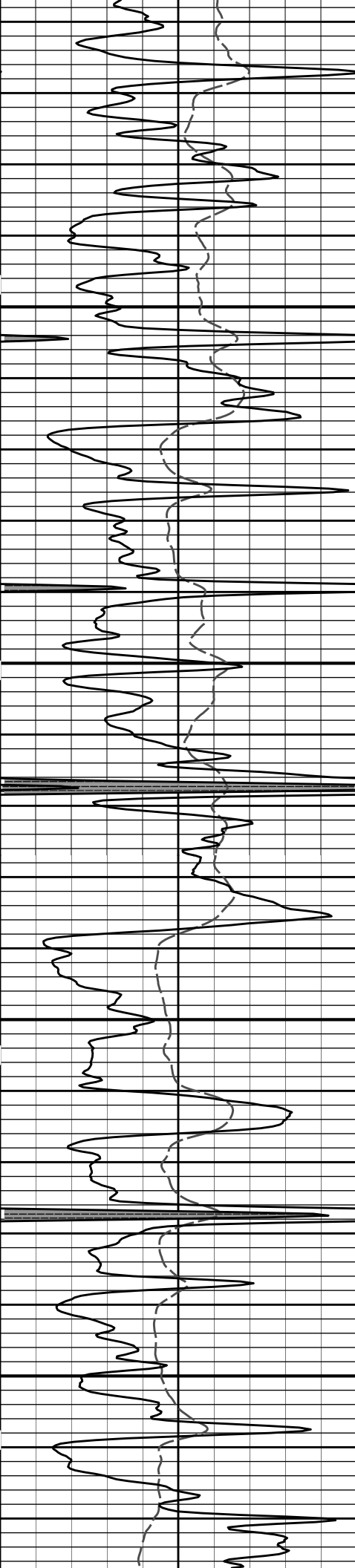




3600

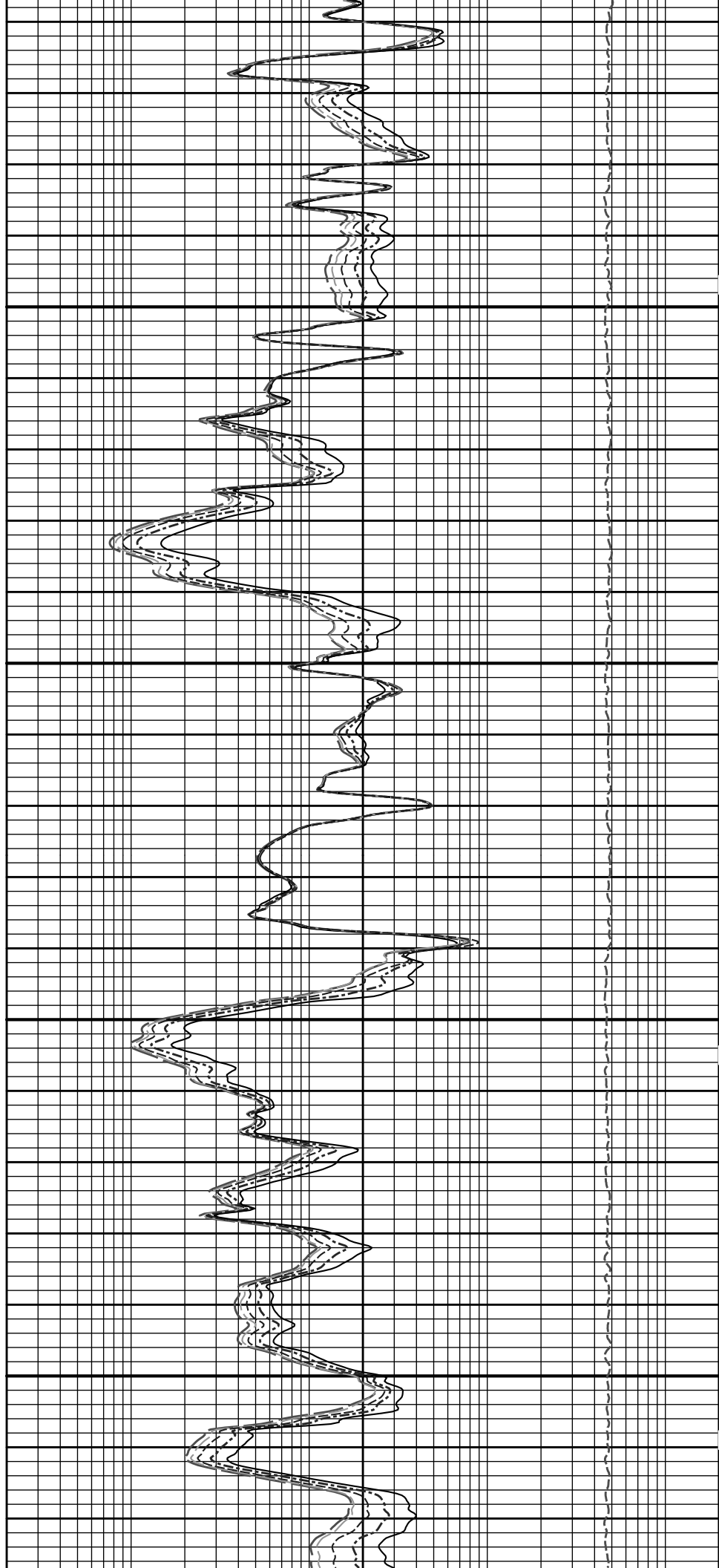
3700

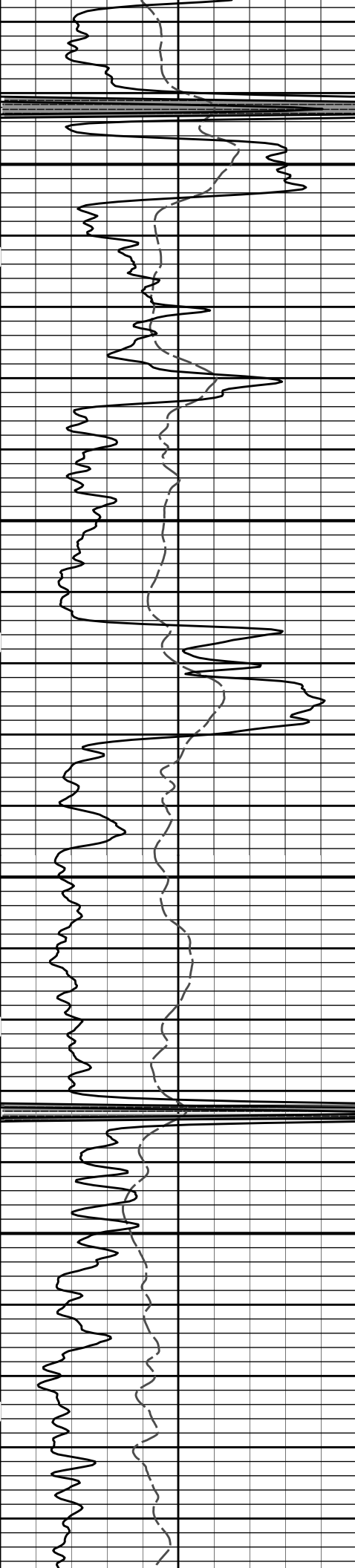




3800

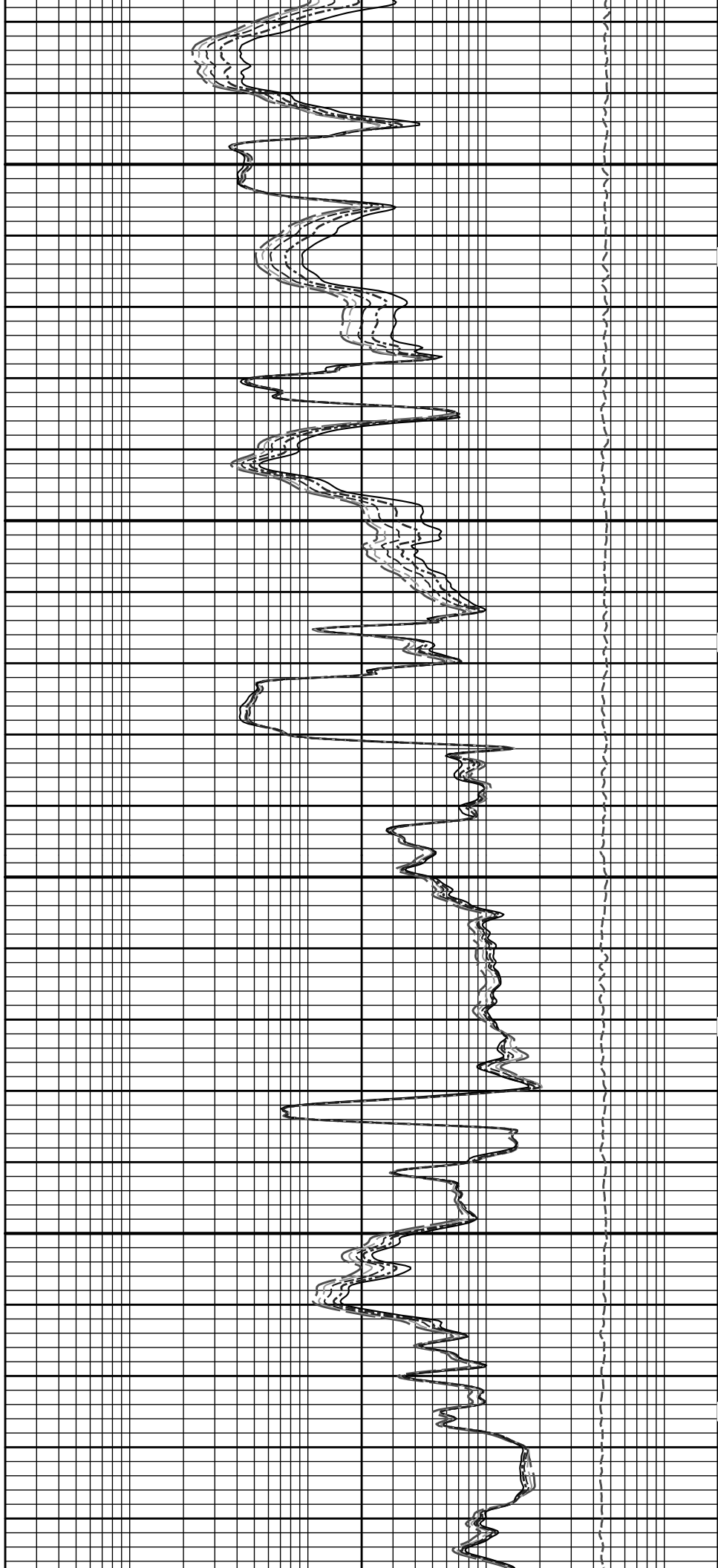
3900

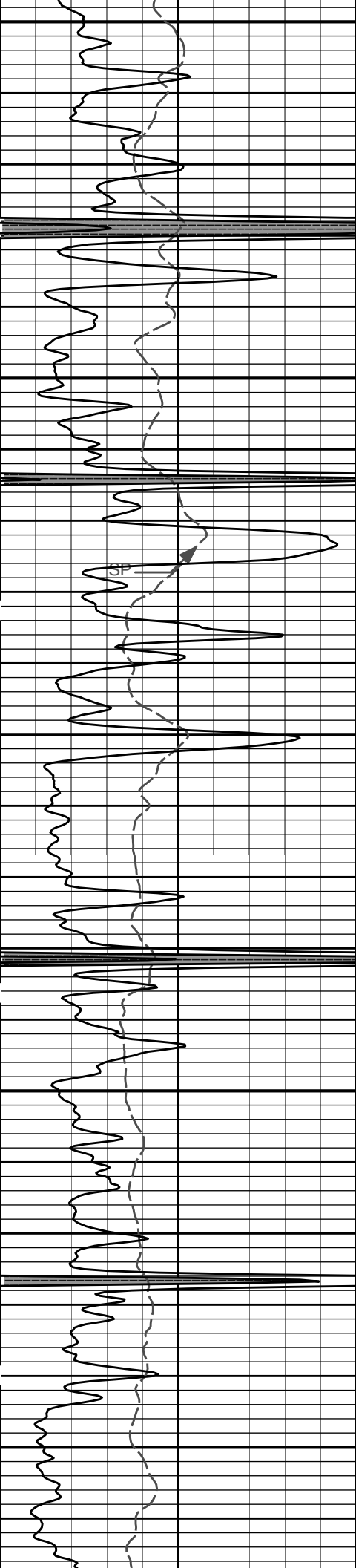




4000

4100

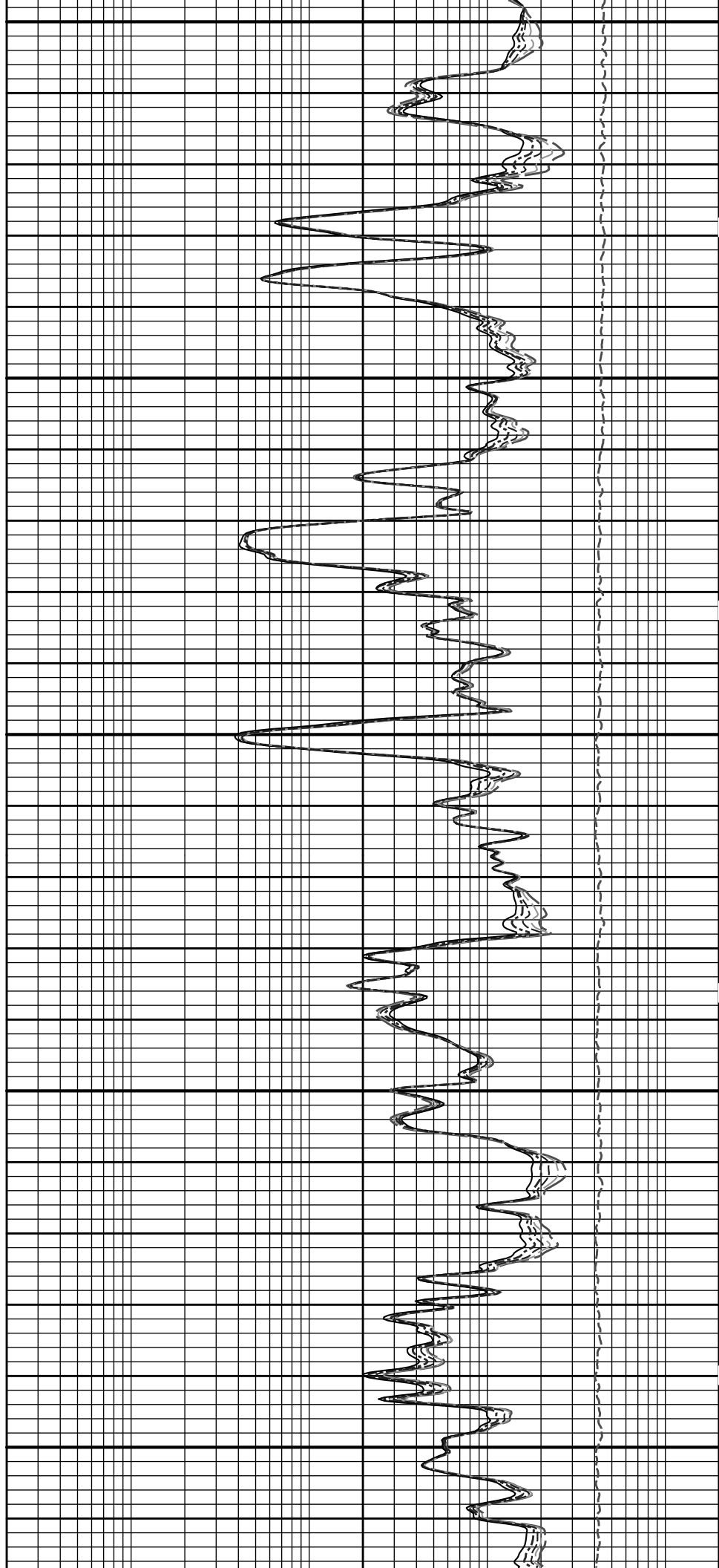


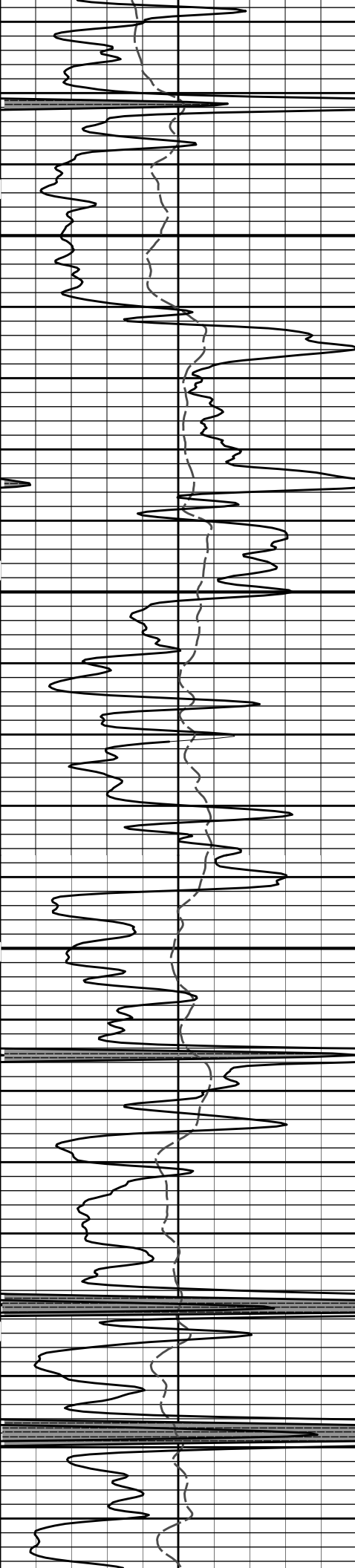


4200

4300

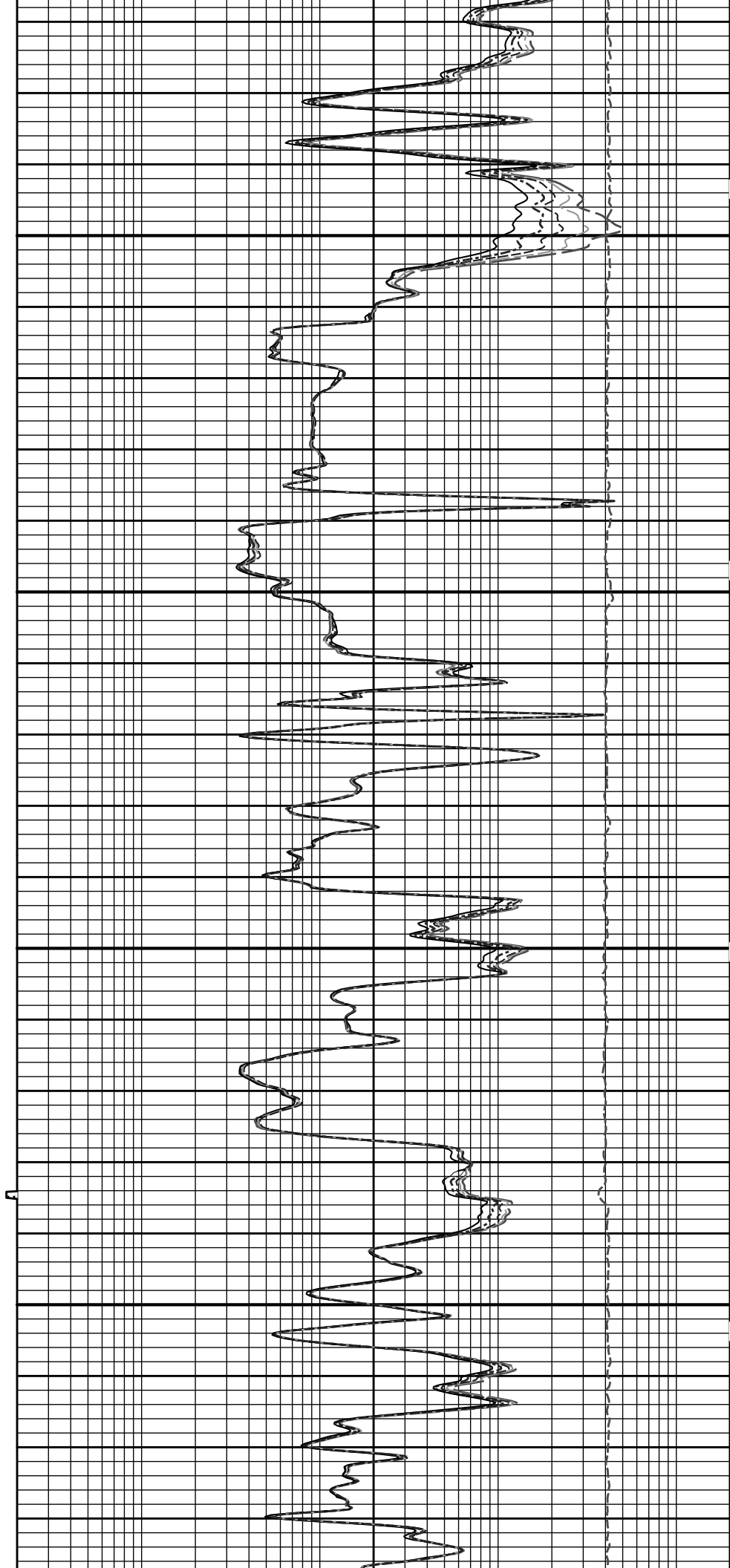
4400

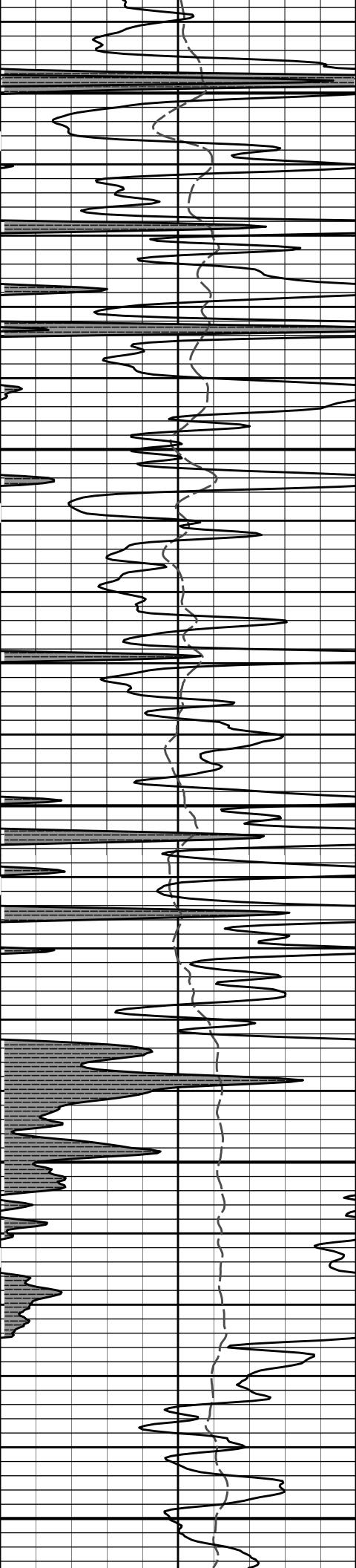




4500

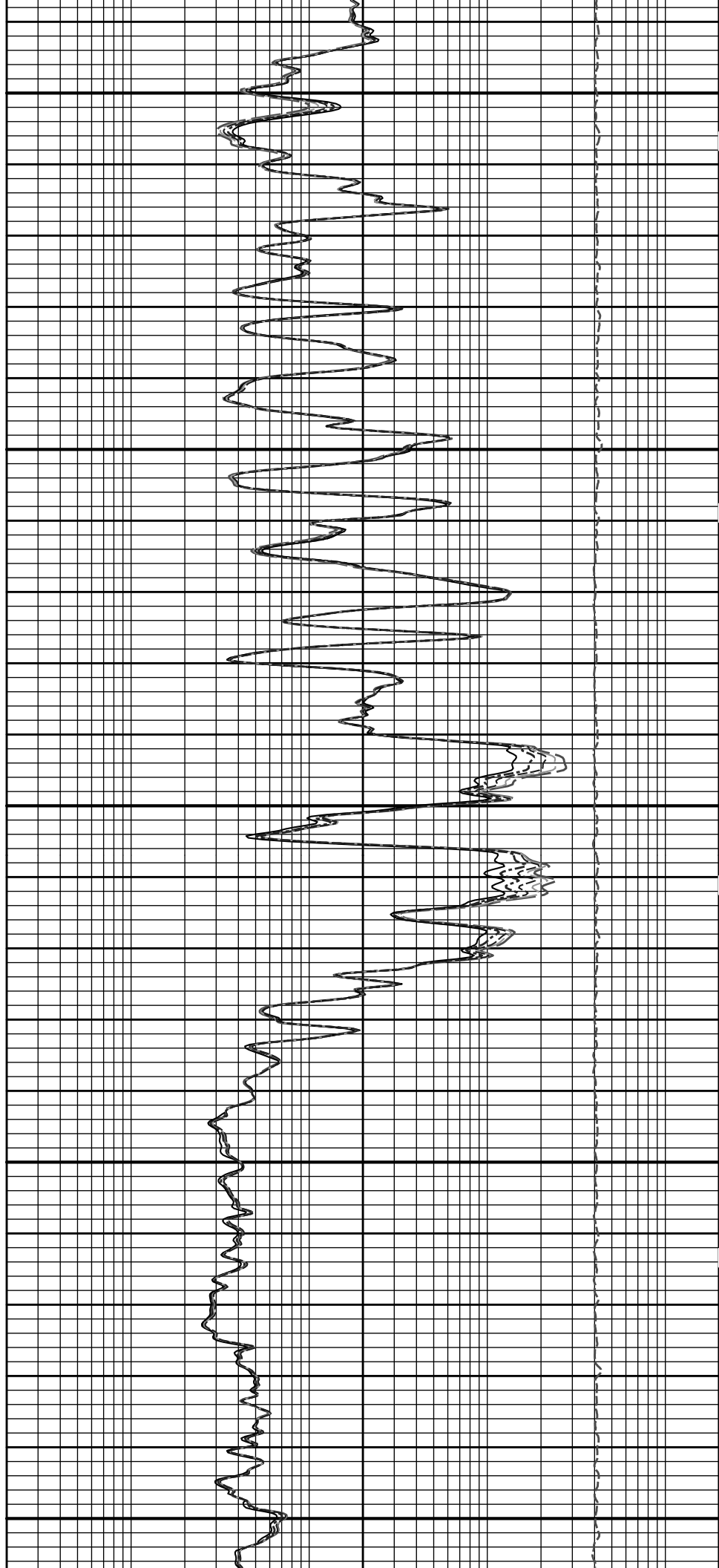
4600

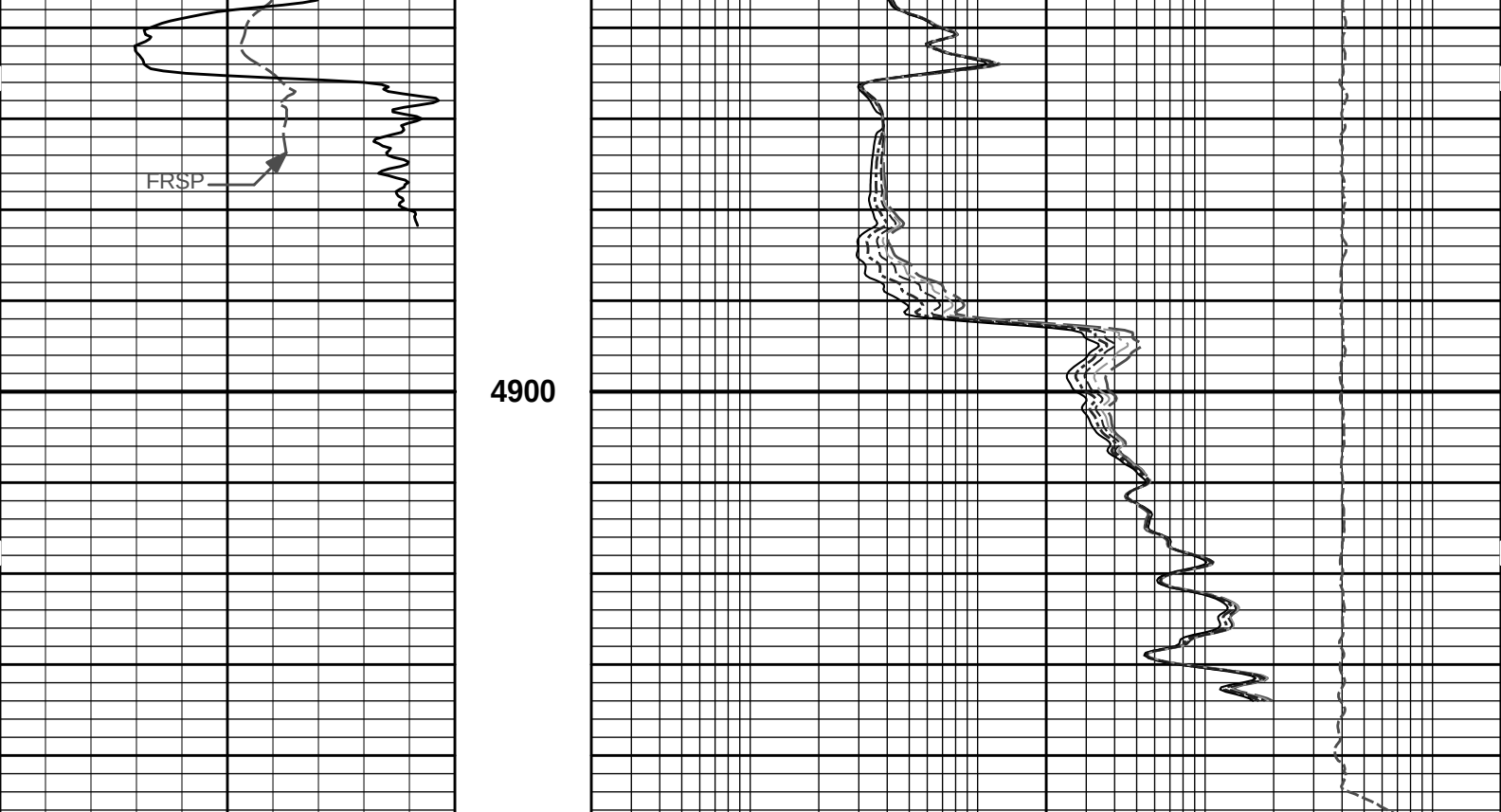




4700

4800





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

HALLIBURTON

Plot Time: 06-Nov-12 17:44:23
Plot Range: 2398 ft to 4946.5 ft
Data: WILKINSON_1_22\Well Based\DAQ-0001-008\
Plot File: \\-LOCAL-WILKINSON_1_22\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\ACRT\ACRT_5_main_lib

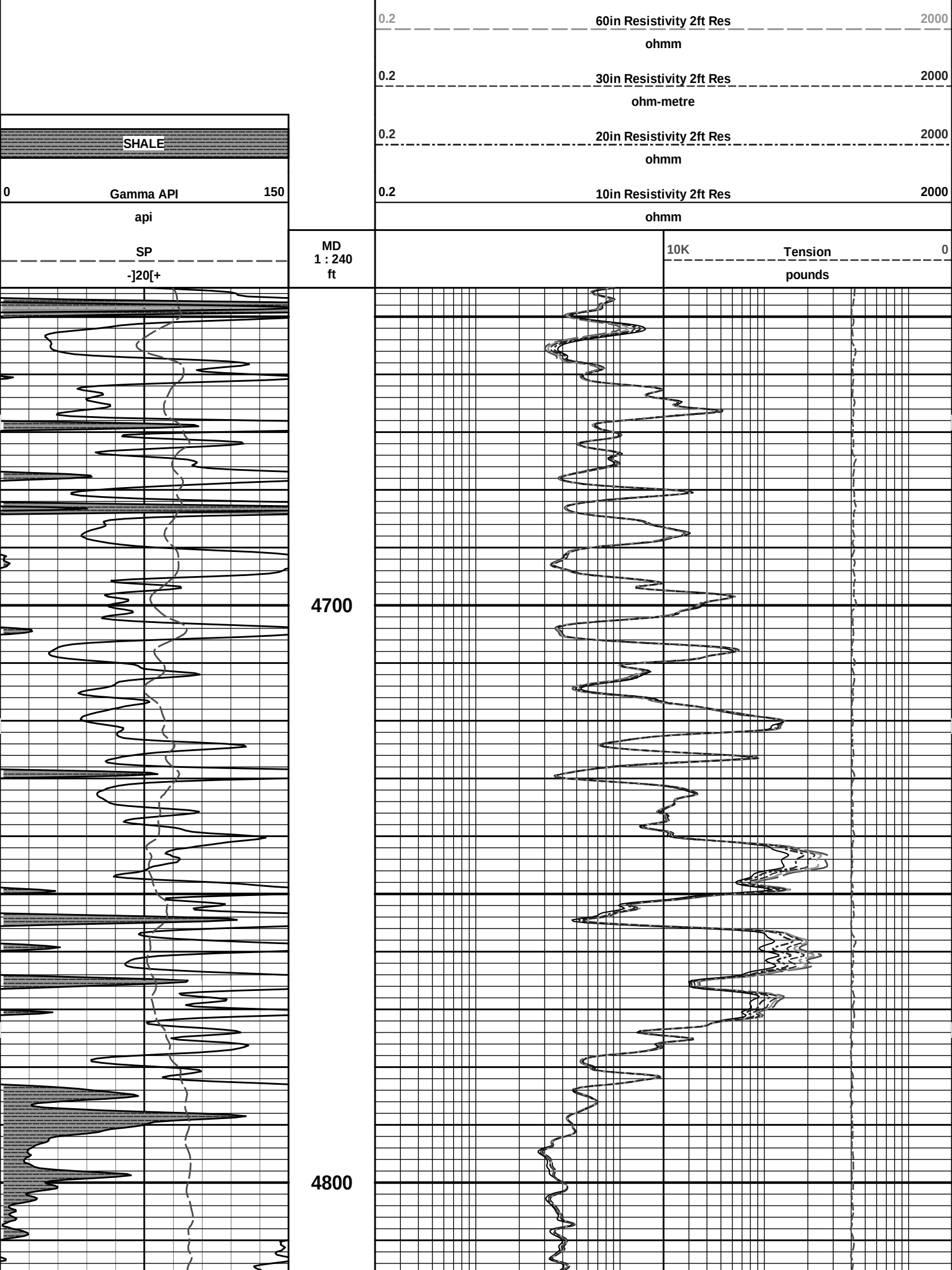
5 INCH MAIN LOG

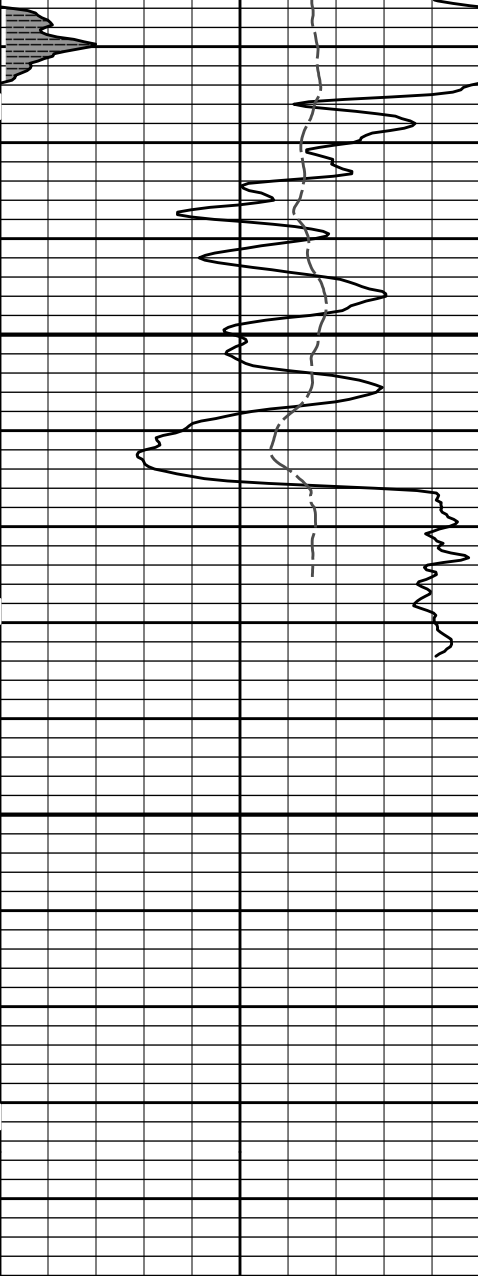
HALLIBURTON

Plot Time: 06-Nov-12 17:44:23
Plot Range: 4645 ft to 4948.25 ft
Data: WILKINSON_1_22\Well Based\DAQ-0001-007\
Plot File: \\-LOCAL-WILKINSON_1_22\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\ACRT\ACRT_5_repeat_lib

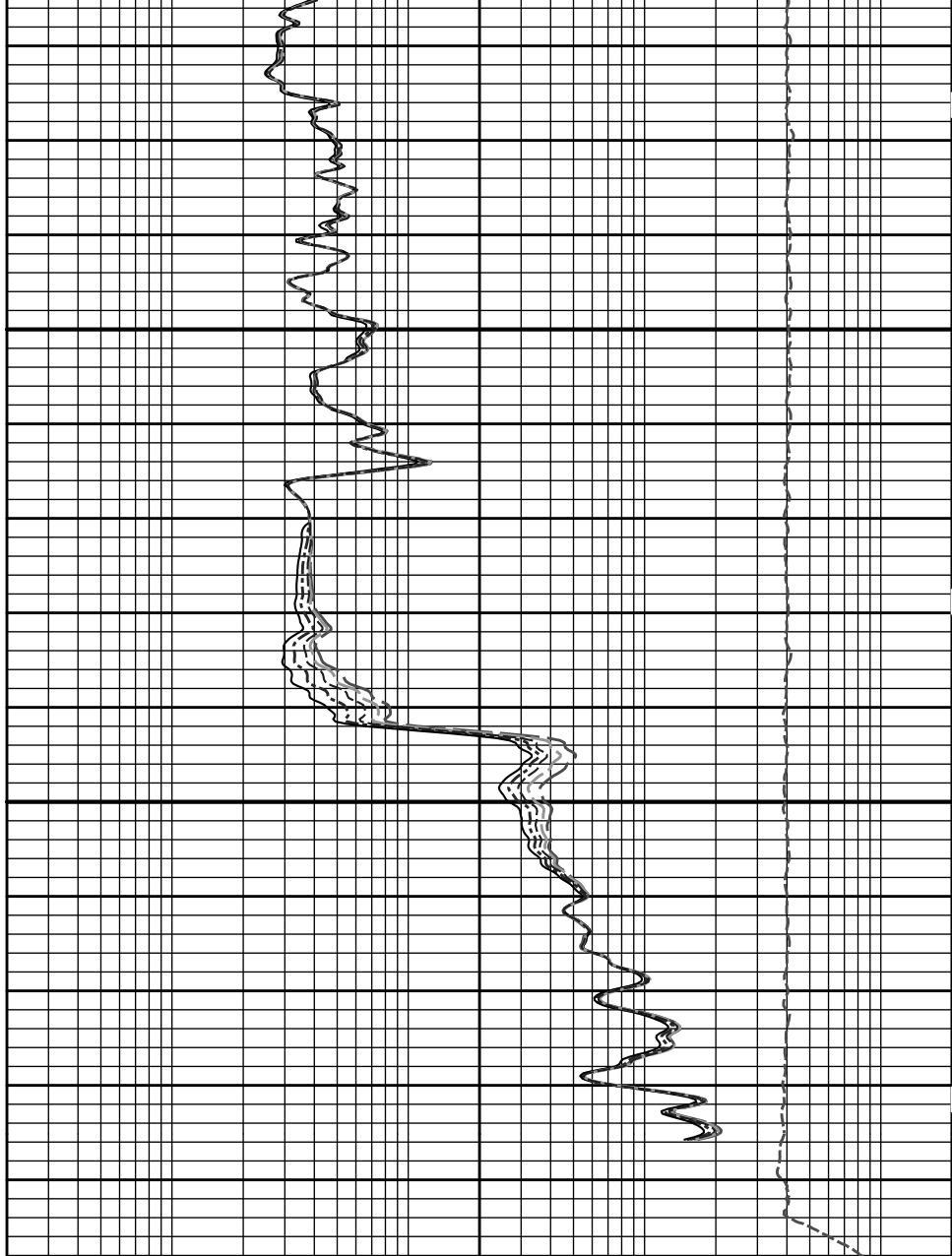
REPEAT SECTION

0.2	90in Resistivity 2ft Res	2000
	ohmm	





4900



SP		
-]20[+		
0	Gamma API	150
api		
SHALE		

MD
1 : 240
ft

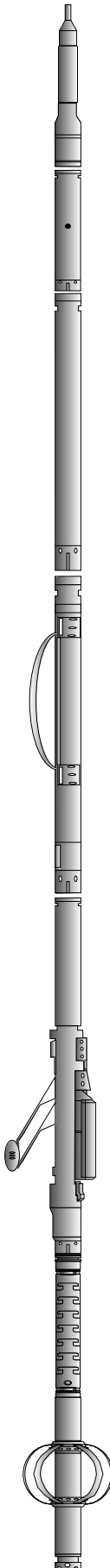
10K		Tension	0
		pounds	
0.2	10in Resistivity 2ft Res	2000	ohmm
0.2	20in Resistivity 2ft Res	2000	ohmm
0.2	30in Resistivity 2ft Res	2000	ohm-metre
0.2	60in Resistivity 2ft Res	2000	ohmm
0.2	90in Resistivity 2ft Res	2000	ohmm

HALLIBURTON

Plot Time: 06-Nov-12 17:44:30
Plot Range: 4645 ft to 4948.25 ft
Data: WILKINSON_1_22\Well Based\DAQ-0001-007\
Plot File: \\-LOCAL-WILKINSON_1_22\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CHIACRT\ACRT_5_repeat_lib

REPEAT SECTION

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 @ 76.98 ft	3.03 ft	78.01 ft
XOHD-TRK696 20.00 lbs		Ø 2.750 in → Ø 3.625 in →			0.95 ft	74.98 ft
SP Sub-11441455 60.00 lbs		Ø 3.625 in →		← SP @ 72.26 ft	3.74 ft	74.03 ft
						70.30 ft
GTET-11039640 165.00 lbs		Ø 3.625 in →		← GammaRay @ 64.23 ft	8.52 ft	
						61.78 ft
DSN Decentralizer-11005605 6.60 lbs		Ø 5.000 in* → Ø 3.625 in →		← DSN Far @ 54.84 ft ← DSN Near @ 54.09 ft	9.69 ft	
DSNT-11055304 174.00 lbs						52.09 ft
SDLT-11014296 360.00 lbs	SDLT Pad-10865884 65.00 lbs Microlog Pad-11014296 8.00 lbs	Ø 4.500 in → Ø 4.750 in* → Ø 4.750 in* →		Microlog @ 44.28 ft SDL Caliper @ 44.09 ft SDL @ 44.08 ft	10.81 ft	
						41.28 ft
Flex Joint-001 140.00 lbs		Ø 3.625 in →			5.67 ft	
	Centralizer 25-001 8.00 lbs	Ø 4.000 in* →				35.61 ft

BSAT-10747684
300.00 lbs

Ø 3.625 in →

← Sonic Receivers @ 27.09 ft

15.77 ft

Centralizer 25-002
8.00 lbs

Ø 4.000 in* →

19.83 ft

ACRt Instrument-
I962
50.00 lbs

Ø 3.625 in →

5.03 ft

14.80 ft

← Mud Resistivity @ 13.44 ft

← ACRt @ 9.46 ft

ACRt Sonde-
11005909
200.00 lbs

Ø 3.625 in →

14.22 ft

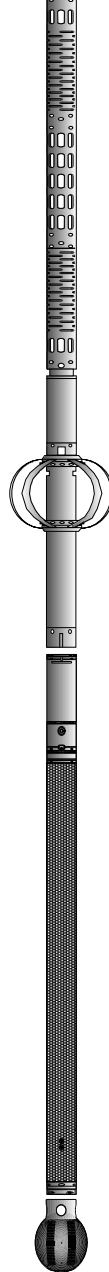
Cabbage Head-
TRK696
10.00 lbs

Ø 3.625 in
Ø 6.000 in →

0.58 ft

0.58 ft

0.00 ft



Mnemonic		Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
CH	HOS	Hostile Cable Head with Load Cell	CH 696	37.50	3.03	74.98	300.00
XOHD		Hostile to Dits Cross Over	TRK696	20.00	0.95	74.03	300.00
SP		SP Sub	11441455	60.00	3.74	70.30	300.00
GTET		Gamma Telemetry Tool	11039640	165.00	8.52	61.78	60.00
DSNT		Dual Spaced Neutron	11055304	174.00	9.69	52.09	60.00
DCNT		DSN Decentralizer	11005605	6.60	5.13	* 55.42	300.00
SDLT		Spectral Density Tool	11014296	360.00	10.81	41.28	60.00
MICP		Microlog Pad	11014296	8.00	1.00	* 43.78	60.00
SDLP		Density Insite Pad	10865884	65.00	2.55	* 43.49	60.00
FLEX		Flex Joint	001	140.00	5.67	35.61	300.00
BSAT		Borehole Sonic Array Tool	10747684	300.00	15.77	19.83	60.00
OBCEN		Centralizer - 25 in. Overbody	001	8.00	2.08	* 33.53	300.00
ACRt		Array Compensated True Resistivity Instrument Section	I962	50.00	5.03	14.80	300.00
OBCEN		Centralizer - 25 in. Overbody	002	8.00	2.08	* 17.83	300.00
ACRt		Array Compensated True Resistivity Sonde Section	11005909	200.00	14.22	0.58	300.00
CBHD		Cabbage Head	TRK696	10.00	0.58	0.00	300.00
Total				1,612.10	78.01		
* Not included in Total Length and Length Accumulation.							
Data: WILKINSON_1_22\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\IDLE							Date: 06-Nov-12 14:30:13

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:	GTET - 11039640	Reference Calibration Date:	25-Sep-12 15:48:12
Engineer:	T. HYDE	Calibration Date:	02-Nov-12 10:48:45
Software Version:	WL INSITE R3.6.0 (Build 3)	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	63.1	62.7	api
Background + Calibrator	334.4	332.3	api
Calibrator	271.3	269.6	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	GTET - 11039640	Reference Calibration Date:	02-Nov-12 10:48:45
Engineer:	T. HYDE	Calibration Date:	06-Nov-12 14:49:34
Software Version:	WL INSITE R3.6.0 (Build 3)	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	62.7	36.2	api
Background + Calibrator	332.3	304.7	api
Calibrator	269.6	268.5	api

Shop	Field	Difference	Tolerance
269.6	268.5	1.1	+/- 9.00

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name:	ACRt Sonde - 11005909	Reference Calibration Date:	26-Sep-12 12:26:10
Engineer:	T. HYDE	Calibration Date:	15-Oct-12 16:05:46
Software Version:	WL INSITE R3.6.0 (Build 3)	Calibration Version:	1
Host Tool Name:	ACRt Instrument - I962		

TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.03	1.05	0.95	1.03	1.05	0.95	1.03	1.05
A2 (50")	0.95	1.01	1.05	0.95	1.02	1.05	0.95	1.02	1.05
A3 (29")	0.95	1.00	1.05	0.95	1.01	1.05	0.95	1.01	1.05
A4 (17")	0.95	1.00	1.05	0.95	1.01	1.05	0.95	1.01	1.05
A5 (10")	N/A	N/A	N/A	0.95	1.00	1.05	0.95	1.00	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.99	1.05	0.95	0.98	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	-0.82	2	-6	-3.54	-2	-8	-5.05	-2
A2 (50")	-7	-1.69	0	-7	-2.42	0	-7	-4.41	0

A2 (50")	-7	-1.63	0	-7	-3.43	0	-7	-4.41	0
A3 (29")	-27	-14.61	-9	-9	-4.60	-3	-7	-2.75	-1
A4 (17")	-180	-100.67	-60	-45	-30.62	-15	-39	-25.76	-13
A5 (10")	N/A	N/A	N/A	-150	-99.39	-50	-80	-44.86	-10
A6 (6")	N/A	N/A	N/A	175	286.49	525	90	151.92	270

TRANSMITTER CURRENT GAIN					R-MUD VERIFICATION			
Signal	Lower	R	Upper		Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K	0.6	0.93	1.3		Mud Cell	0.95	1.00	1.05
36K	1.0	1.37	2.0					
72K	1.0	1.59	2.0					

PASS/FAIL SUMMARY	
GAIN RANGE CHK	PASS
SONDE OFFSET RANGE CHK	PASS
Tx CURRENT GAIN	PASS
Rmud VERIFICATION	PASS
TOOL OK TO LOG	

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11039640						
Gamma Ray Calibrator	269.6	268.5	-----	1.1	+/- 9.00	api
ACRt Sonde-11005909						
Mud Cell	1.00	-----	-----	0.00	-----	ohm-m
Data: WILKINSON_1_2210001 SP-GTET-DSN-SDL-BSAT-ACRT-CH11DLE					Date: 06-Nov-12 15:25:16	

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	9.300	ppg
	SHARED	WAGT	Weighting Agent	Natural	
	SHARED	BSAL	Borehole salinity	0.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
	SHARED	RMUD	Mud Resistivity	2.000	ohmm
	SHARED	TRM	Temperature of Mud	70.0	degF
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	5.500	in
	SHARED	ST	Surface Temperature	70.0	degF
	SHARED	TD	Total Well Depth	4950.00	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	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	
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 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	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm

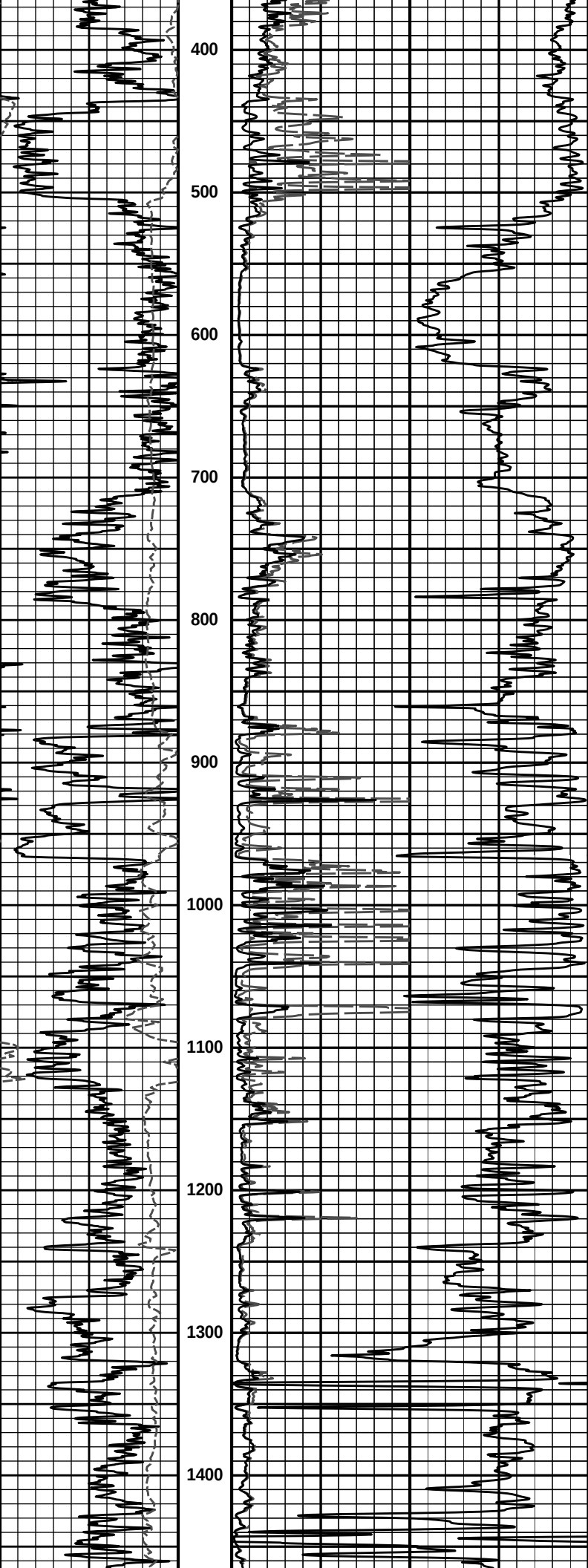
INPUTS, DELAYS AND FILTERS TABLE

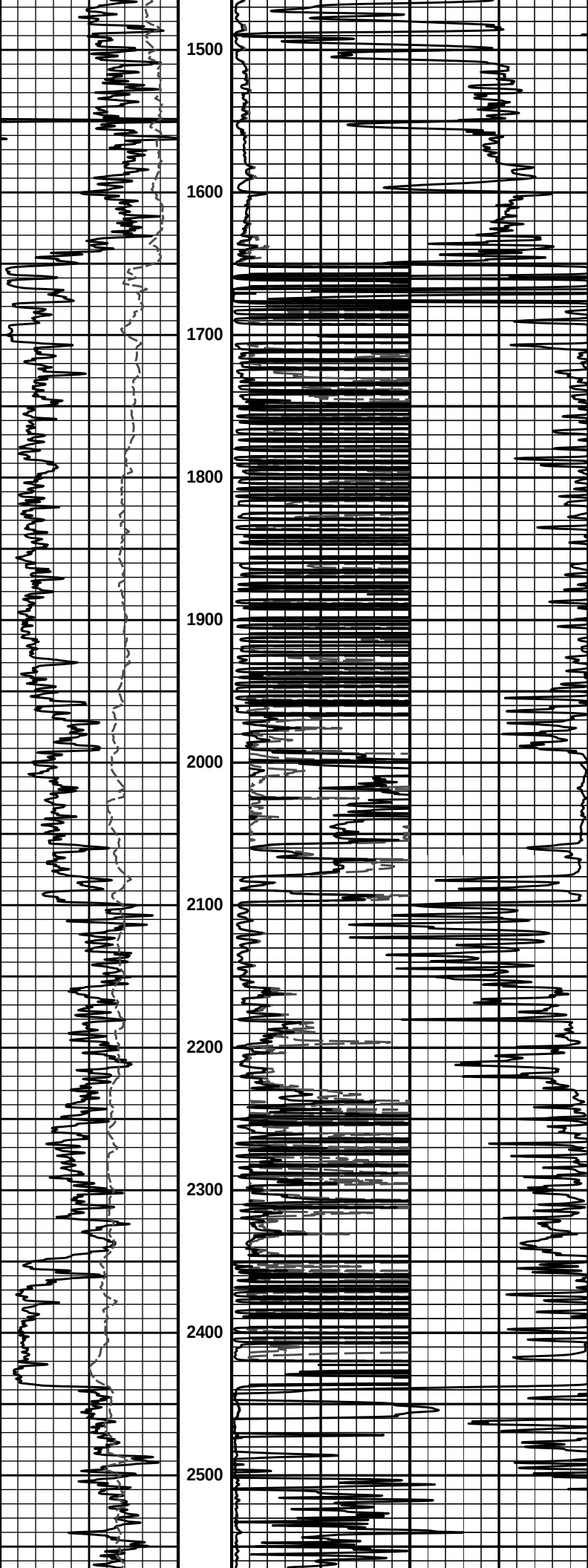
Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel				
TENS	Tension	0.00	NO	
CH_HOS				
DHTN	DownholeTension	0.00	BLK	0.000
SP Sub				
PLTC	Plot Control Mask	72.25	NO	
SP	Spontaneous Potential	72.25	BLK	1.250
SPR	Raw Spontaneous Potential	72.25	NO	
SPO	Spontaneous Potential Offset	72.25	NO	
GTET				
TPUL	Tension Pull	64.23	NO	
GR	Natural Gamma Ray API	64.23	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	64.23	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	64.23	W	1.416 , 0.750
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
DSNT				
TPUL	Tension Pull	53.99	NO	
RNDS	Near Detector Telemetry Counts	54.09	BLK	1.417
RFDS	Far Detector Telemetry Counts	54.84	TRI	0.583
DNTT	DSN Tool Temperature	54.09	NO	
DSNS	DSN Tool Status	53.99	NO	
ERND	Near Detector Telemetry Counts EVR	54.09	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	54.84	BLK	0.000
ENTM	DSN Tool Temperature EVR	54.09	NO	
SDLT				
TPUL	Tension Pull	44.09	NO	
PCAL	Pad Caliper	44.09	TRI	0.250
ACAL	Arm Caliper	44.09	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	
GMOD	Gain processing mode	19.83	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

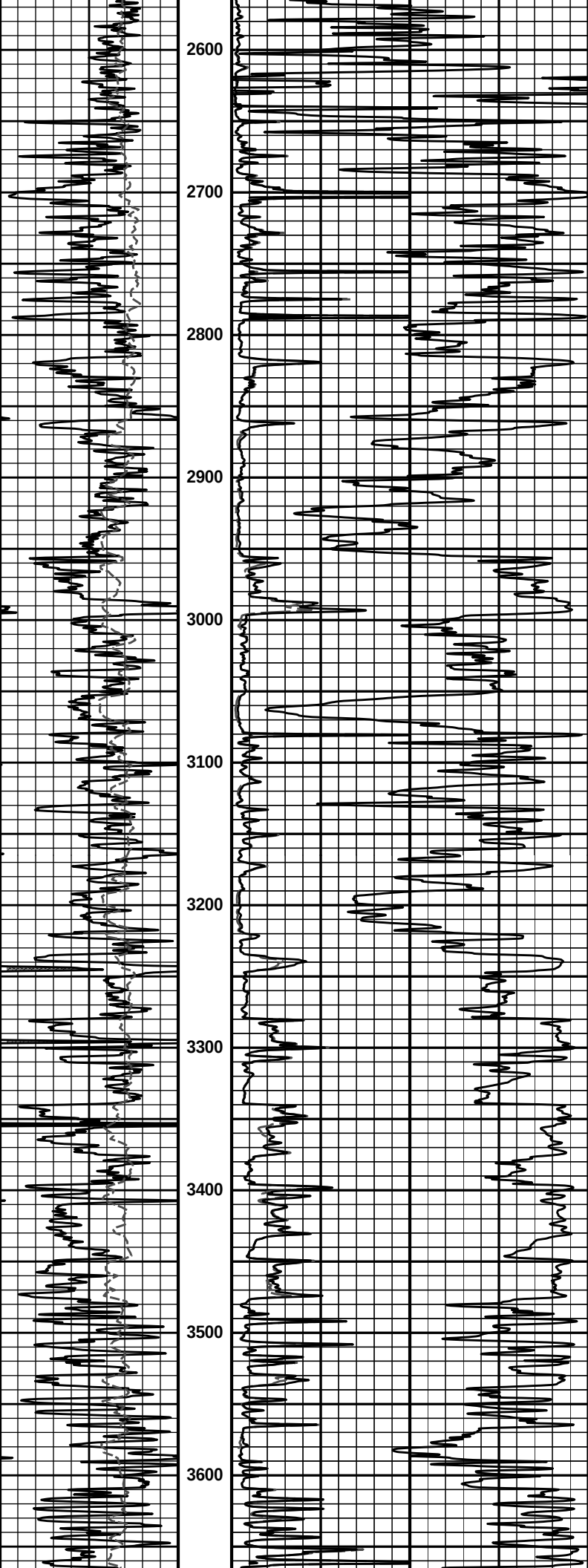
F1X2	ACRT 12KHz - 50in X value	6.72	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	5.22	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	5.22	BLK	0.000
F1R4	ACRT 12KHz - 17in R value	4.22	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	4.22	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.72	BLK	0.000
F1X5	ACRT 12KHz - 10in X 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
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	44.08	NO	
NAB	Near Above	43.90	BLK	0.920
NHI	Near Cesium High	43.90	BLK	0.920
NLO	Near Cesium Low	43.90	BLK	0.920
NVA	Near Valley	43.90	BLK	0.920
NBA	Near Barite	43.90	BLK	0.920

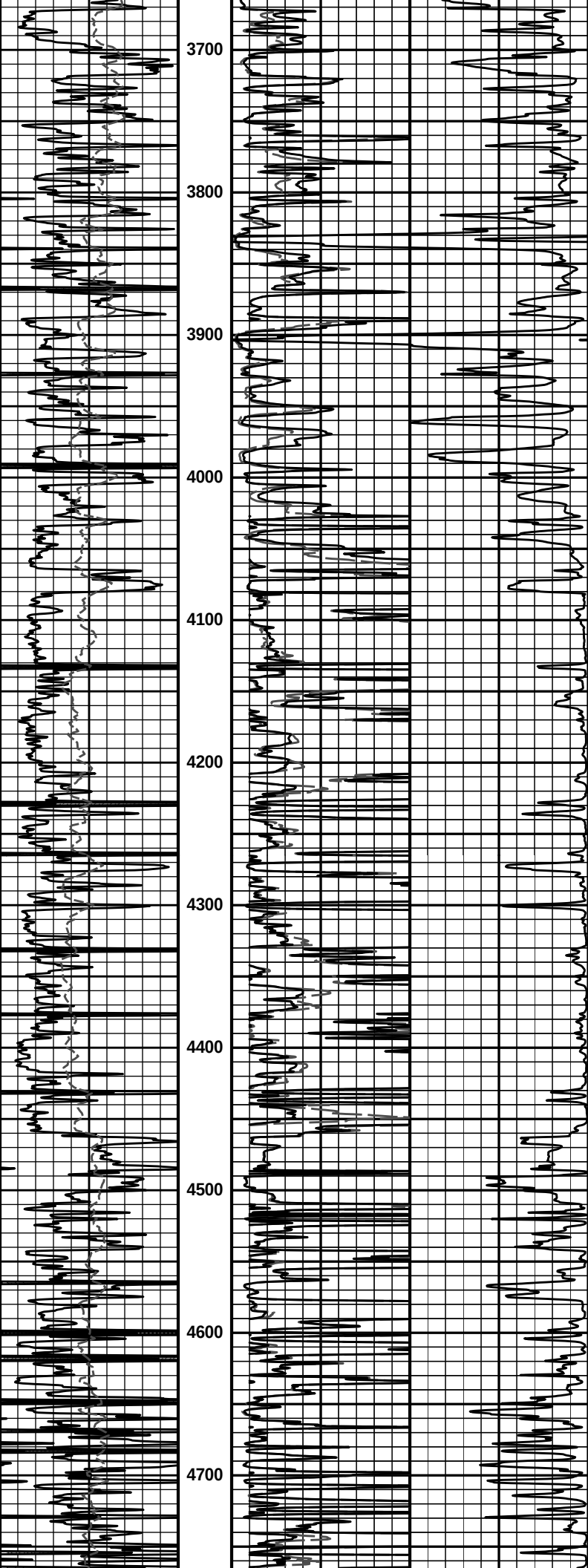
NDE	Near Density	43.90	BLK	0.920
NPK	Near Peak	43.90	BLK	0.920
NLI	Near Lithology	43.90	BLK	0.920
NBAU	Near Barite Unfiltered	43.90	BLK	0.250
NLIU	Near Lithology Unfiltered	43.90	BLK	0.250
FAB	Far Above	44.26	BLK	0.250
FHI	Far Cesium High	44.26	BLK	0.250
FLO	Far Cesium Low	44.26	BLK	0.250
FVA	Far Valley	44.26	BLK	0.250
FBA	Far Barite	44.26	BLK	0.250
FDE	Far Density	44.26	BLK	0.250
FPK	Far Peak	44.26	BLK	0.250
FLI	Far Lithology	44.26	BLK	0.250
PTMP	Pad Temperature	44.09	BLK	0.920
NHV	Near Detector High Voltage	43.49	NO	
FHV	Far Detector High Voltage	43.49	NO	
ITMP	Instrument Temperature	43.49	NO	
DDHV	Detector High Voltage	43.49	NO	

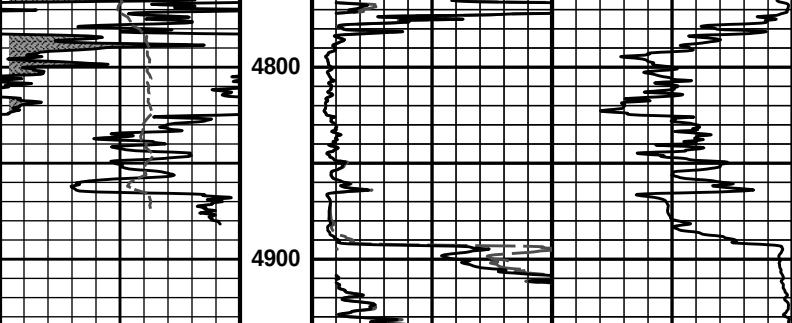
COMPANY	HARTMAN OIL CO., LLC		
WELL	WILKINSON 1-22		
FIELD	WILDCAT		
COUNTY	WICHITA	STATE	KANSAS
HALLIBURTON		ARRAY COMPENSATED TRUE RESISTIVITY LOG	











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: 06-Nov-12 17:44:39
Plot Range: 315 ft to 4934 ft
Data: WILKINSON_1_22\Well Based\DAQ-0001-008\
Plot File: \\LOCAL-WILKINSON_1_22\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CHI... \ACRT_1_lib

1 INCH MAIN LOG