

HALIBURTON				ARRAY COMPENSATED TRUE RESISTIVITY LOG			
COMPANY WELL FIELD COUNTY STATE				COMPANY WELL FIELD COUNTY STATE			
VAL ENERGY INC. WHELAN 1-32 BARBER KANSAS				VAL ENERGY INC. WHELAN 1-32 BARBER KANSAS			
Permanent Datum Log measured from Drilling measured from				Sect. 32 Twp. 31S Rge. 11W Elev. 1562.0 ft D.F. G.L.			
Date Run No. Depth - Driller Depth - Logger Bottom - Logged Interval Top - Logged Interval Casing - Driller Casing - Logger Bit Size Type Fluid in Hole Density PH Source of Sample Rm @ Meas. Temperature Rmf @ Meas. Temperature Rmc @ Meas. Temperature Source Rmf Rm @ BHT Time Since Circulation Time on Bottom Max. Rec. Temperature Equipment Recorded By Witnessed By				04-Mar-12 ONE 4760.00 ft 4778.0 ft 4768.0 ft 223.0 ft 8.625 in @ 225.0 ft 223.0 ft 7.875 in @ WATER BASED MUD 9.2 ppq 10.50 pH FLOWLINE 0.400 ohmm @ 75.00 degF 0.34 ohmm @ 75.00 degF 0.456 ohmm @ 75.00 degF MEASURED 0.28 ohmm @ 110.0 degF 8.0 hr 04-Mar-12 14:42 110.0 degF @ 4778.0 ft 10782954 T. HYDE ZEB			
				Other Services: DSN/SDL MICRO MRIL			
				Elev. 1573.0 ft D.F. G.L. 1562.0 ft			

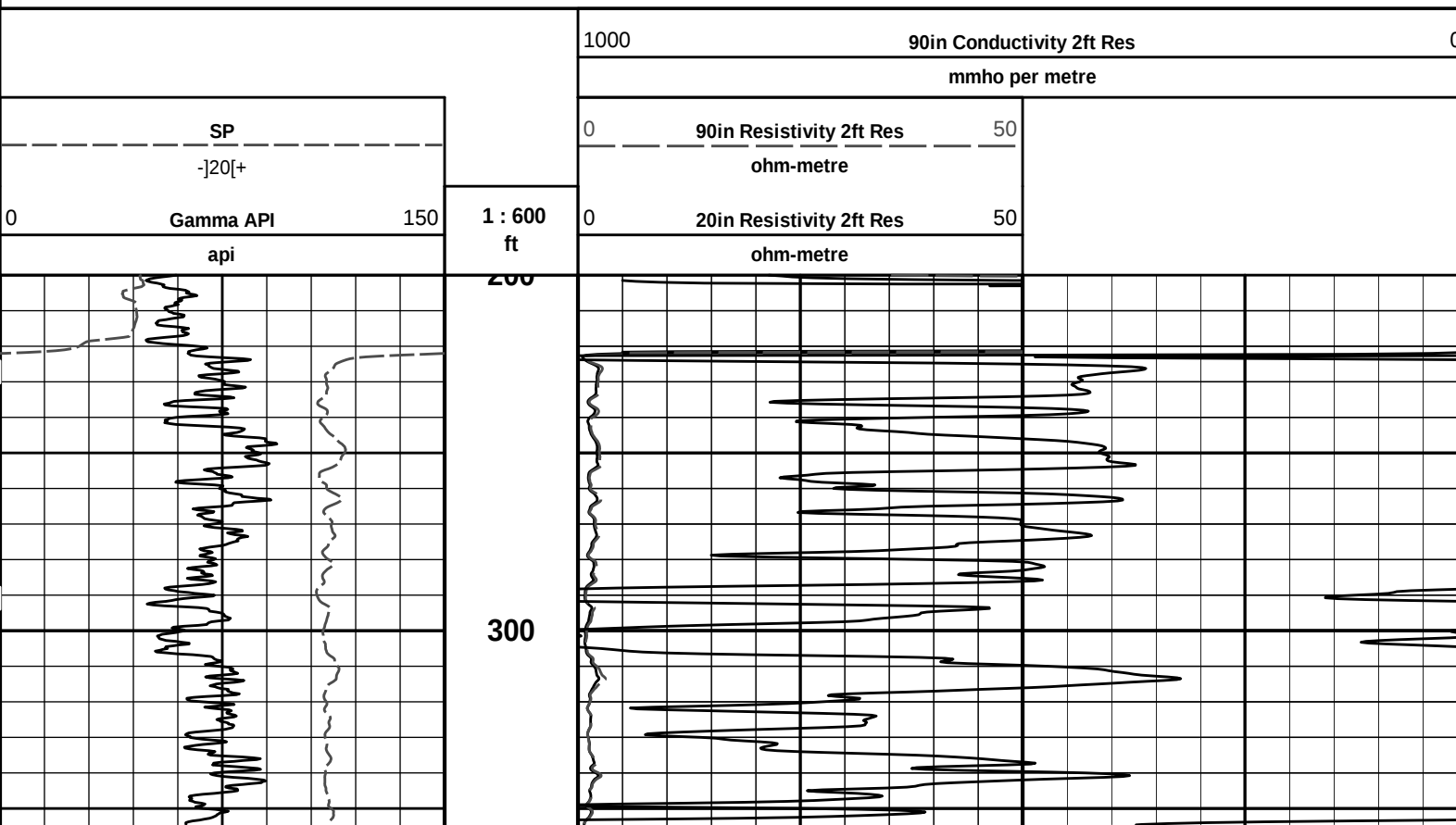
Service Ticket No.: 9327304						API Serial No.: 15-007-23842						PGM Version: WL INSITE R3.4.2 (Build 2)											
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE												RESISTIVITY SCALE CHANGES											
Date		Sample No.										Type Log		Depth		Scale Up Hole		Scale Down Hole					
Depth-Driller																							
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.				@				@						I1256_S0784									
Source Rmf		Rmc										ONE		MICRO		RUBBER		ADJ		N/A			
Rm @ BHT				@				@						I066_M85803_									
Rmf @ BHT				@				@						P45									
Rmc @ BHT				@				@															
EQUIPMENT DATA																							
GAMMA						ACOUSTIC						DENSITY						NEUTRON					
Run No.		ONE				Run No.						Run No.		ONE				Run No.		ONE			
Serial No.		10811258				Serial No.						Serial No.		I066_M85803_P45				Serial No.		10755066			
Model No.		GTET				Model No.						Model No.		SDLT				Model No.		DSNT			
Diameter		3.625"				No. of Cent.						Diameter		4.5"				Diameter		3.625			
Detector Model No.		T-102				Spacing						Log Type		GAM-GAM				Log Type		NEU-NEU			
Type		SCINT										Source Type		Cs137				Source Type		Am241Be			
Length		8"				LSA [Y/N]						Serial No.		5073GW				Serial No.		DSN-436			
Distance to Source		10'				FWDA [Y/N]						Strength		1.5 Ci				Strength		15 Ci			
LOGGING DATA																							

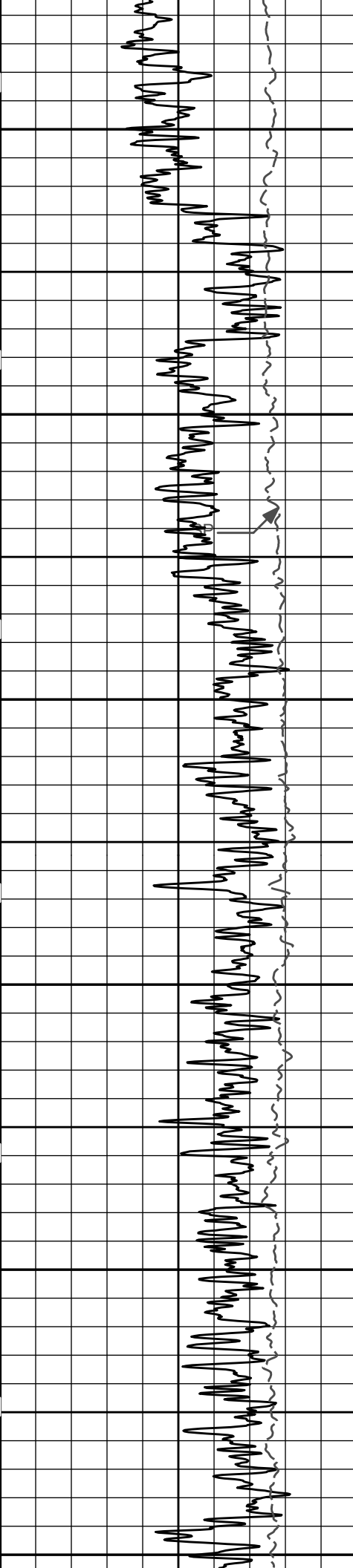
GENERAL			GAMMA		ACOUSTIC		DENSITY		NEUTRON					
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	4778	225	REC	0	150				30	-10	2.71	30	-10	LIME
DIRECTIONAL INFORMATION														
Maximum Deviation @								KOP @						
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 4.5 INCH CASING														
CLIENT REQUEST NO POST CALIBRATIONS														
LCM 3 #/BBL														
CHLORIDES 8400 MG/L														
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.														
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Plot Time: 04-Mar-12 15:59:52
Plot Range: 200 ft to 4784.67 ft
Data: WHELAN_1_32\Well Based\MAIN
Plot File: \\-LOCAL-lACRT\ACRT_2_lib

2 INCH MAIN LOG





400

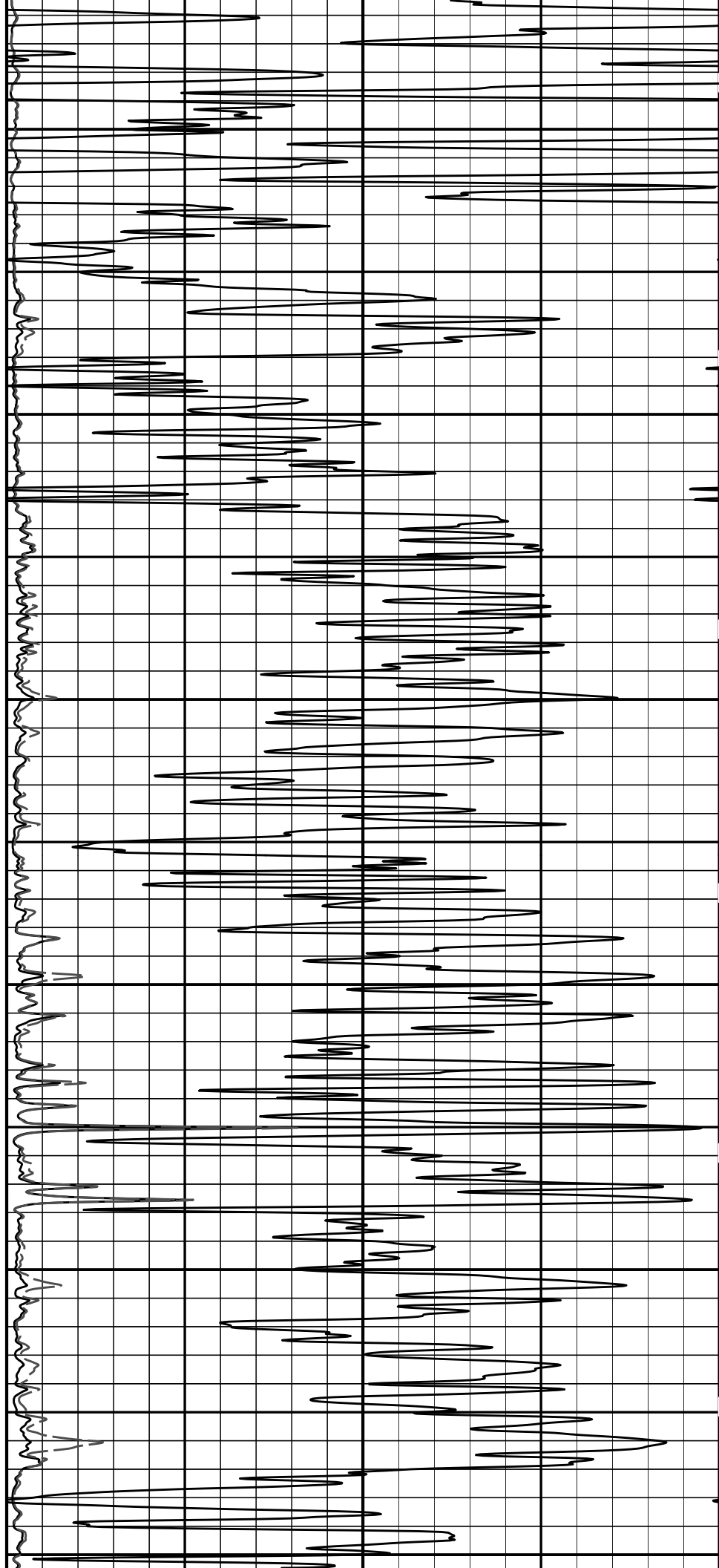
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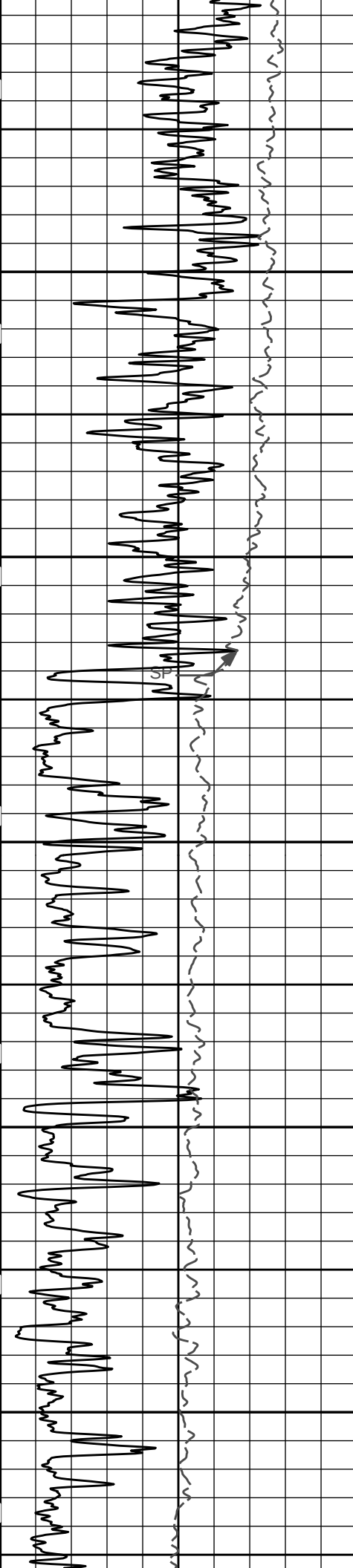
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700

800

900





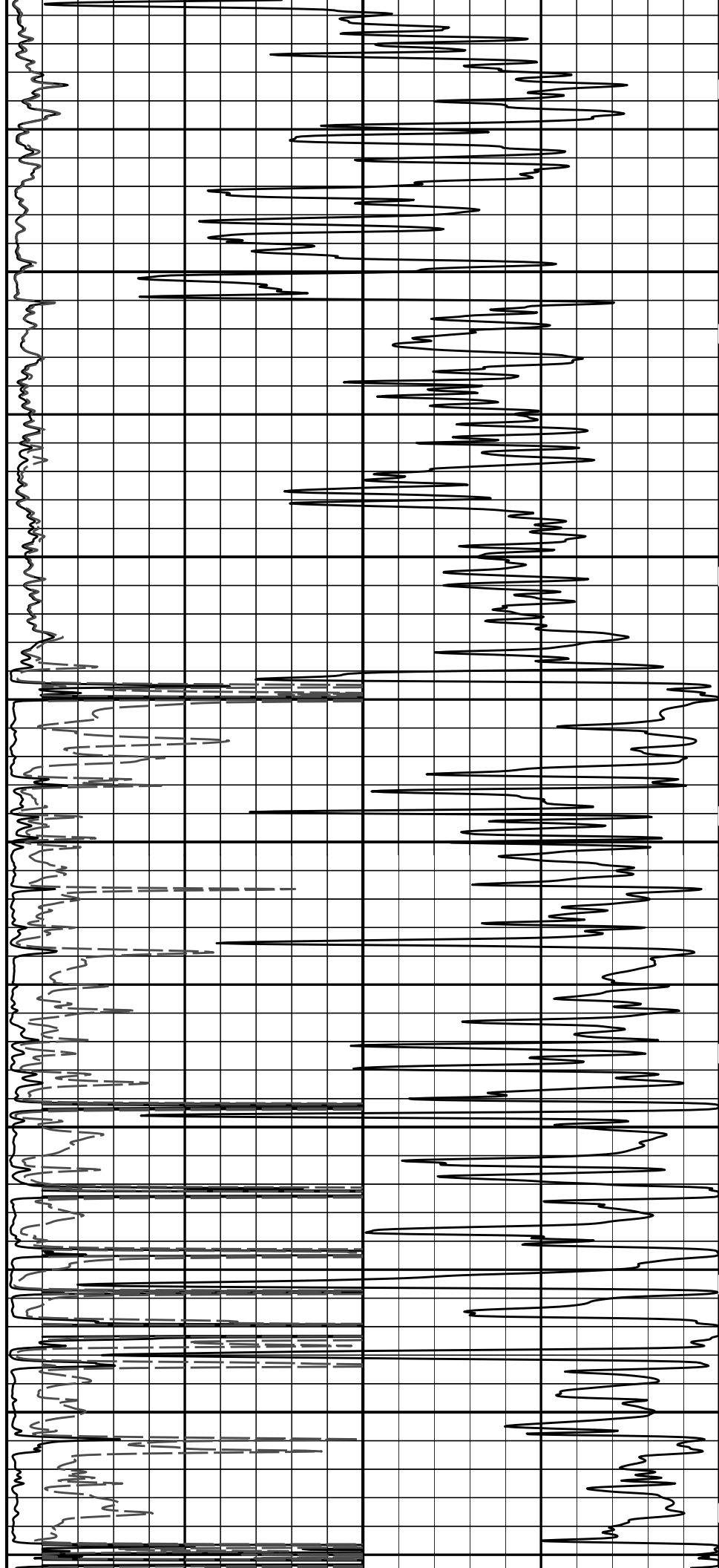
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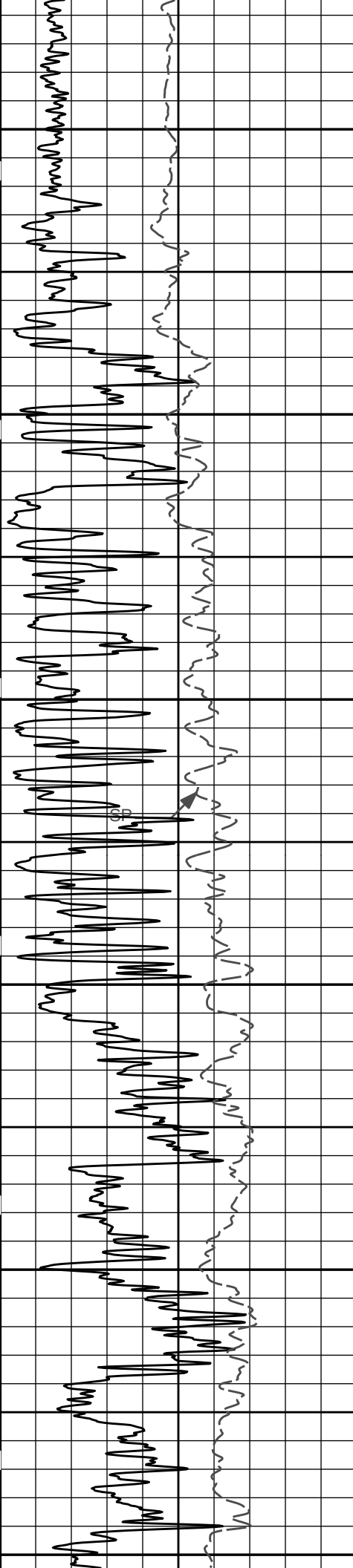
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1200

1300

1400





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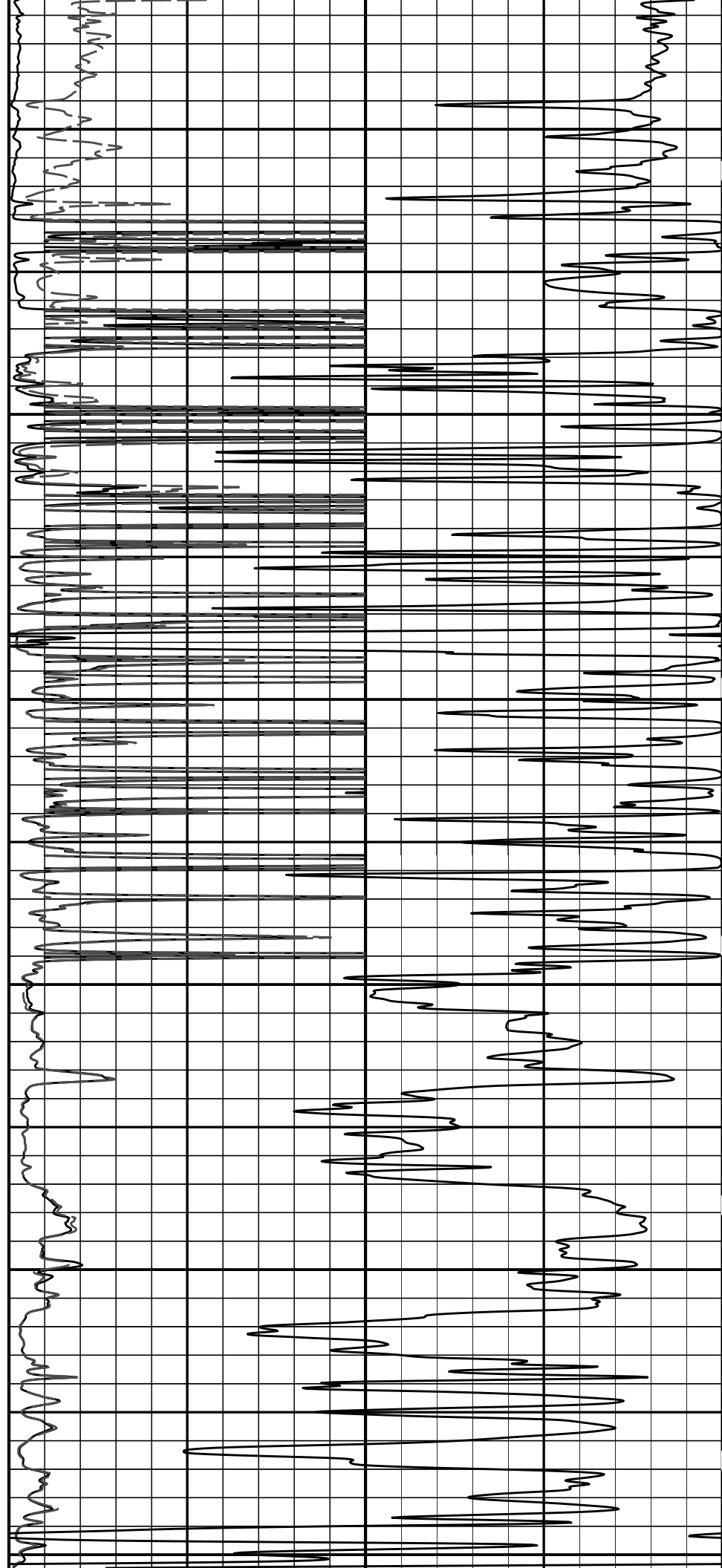
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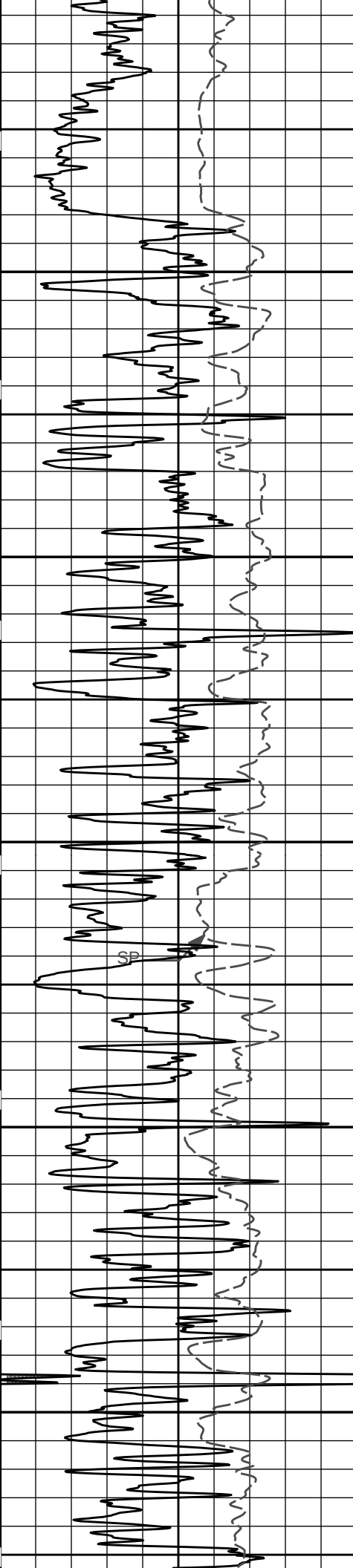
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1800

1900

2000





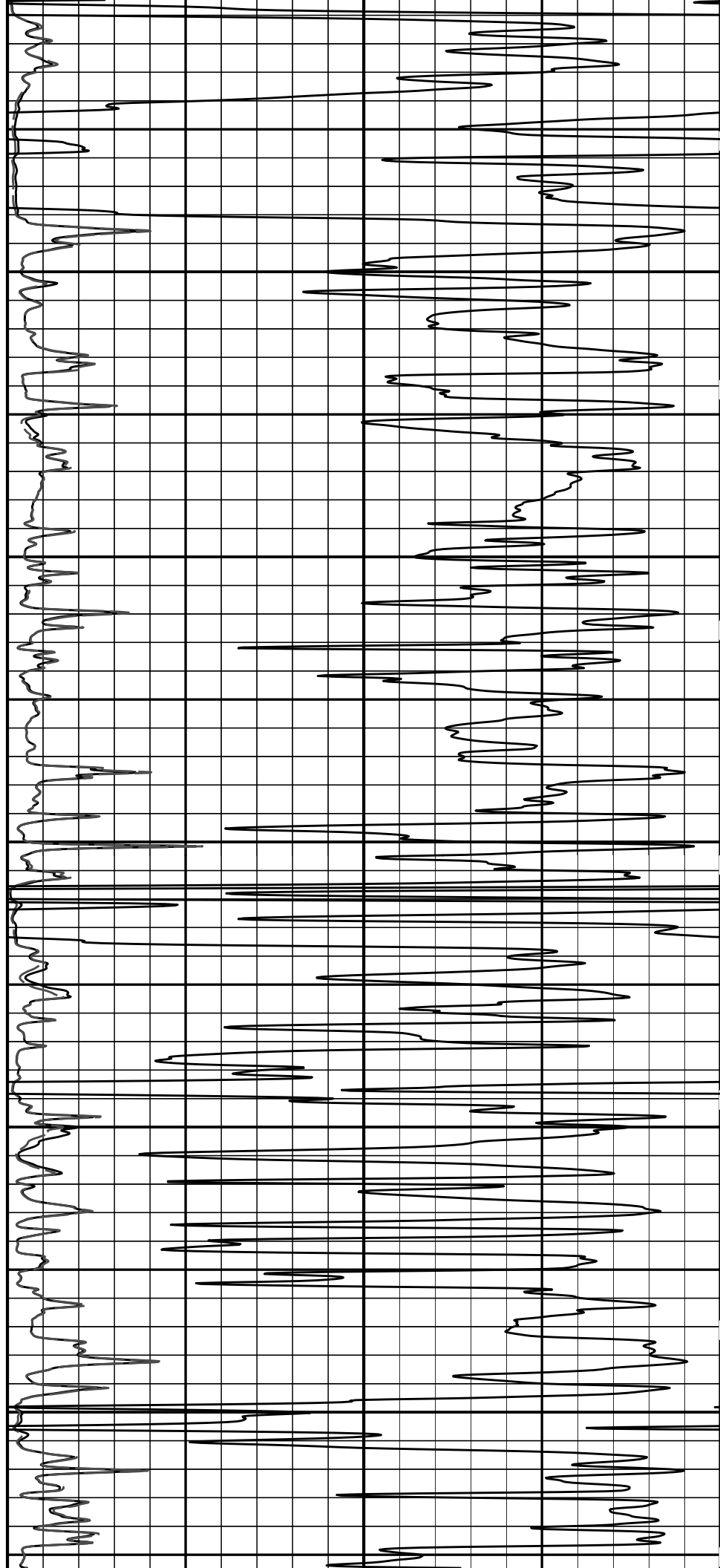
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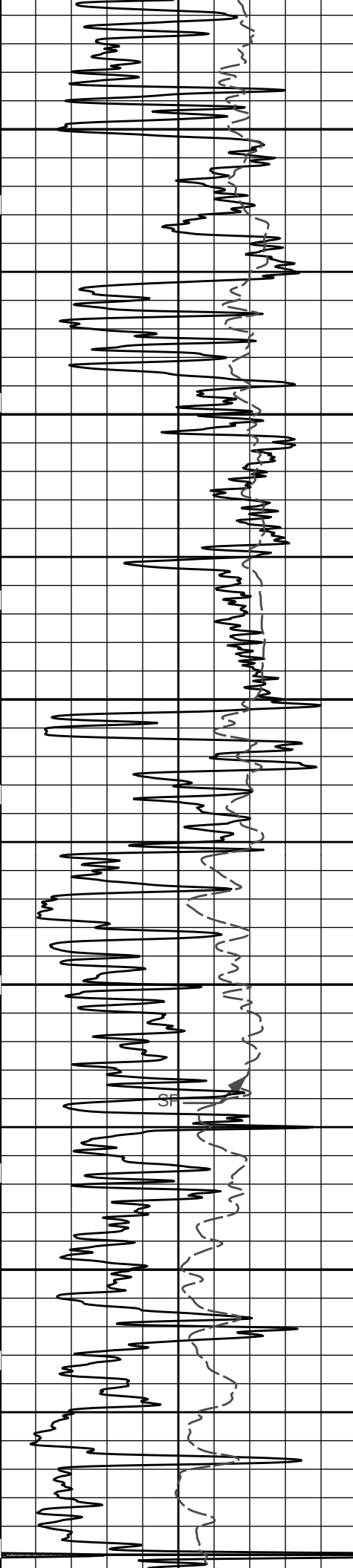
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2300

2400

2500





2600

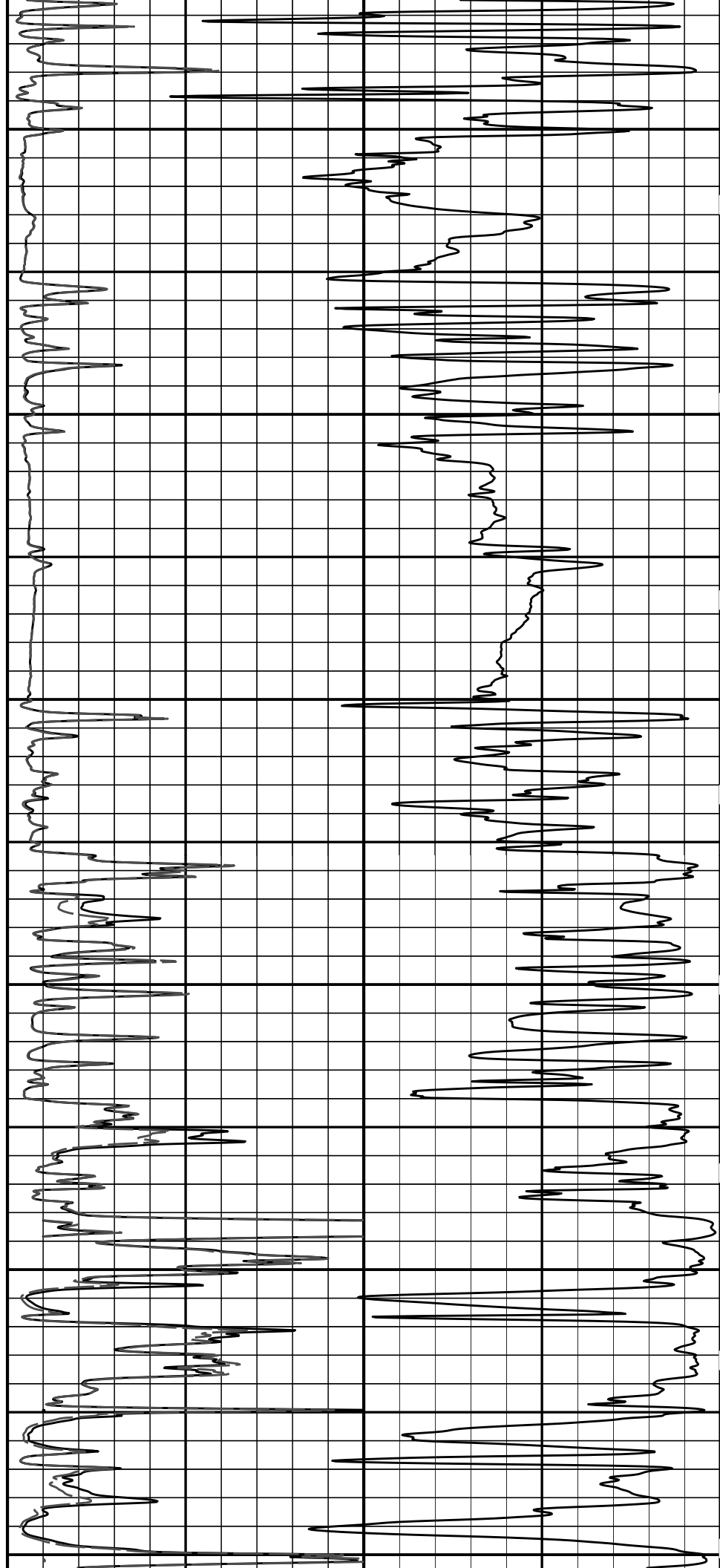
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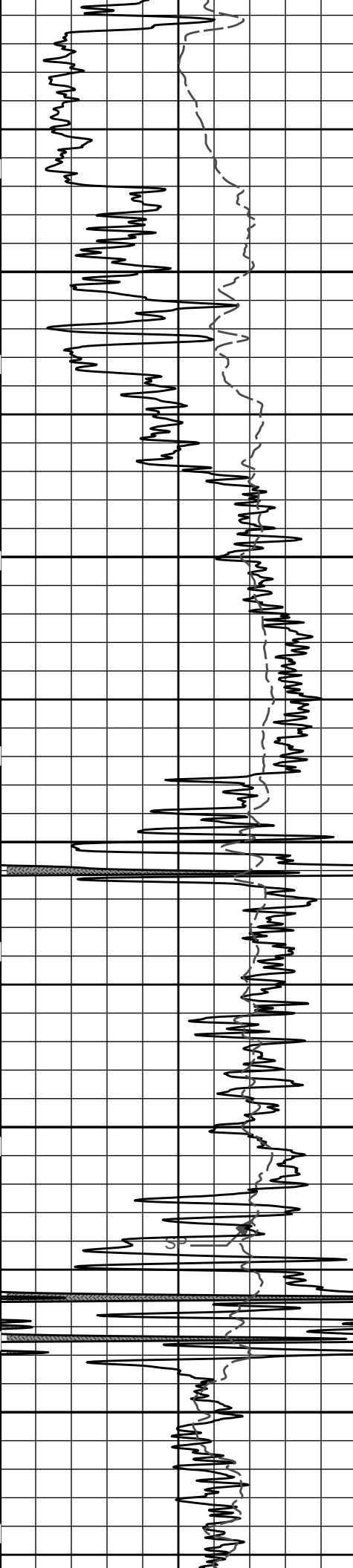
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2900

3000

3100





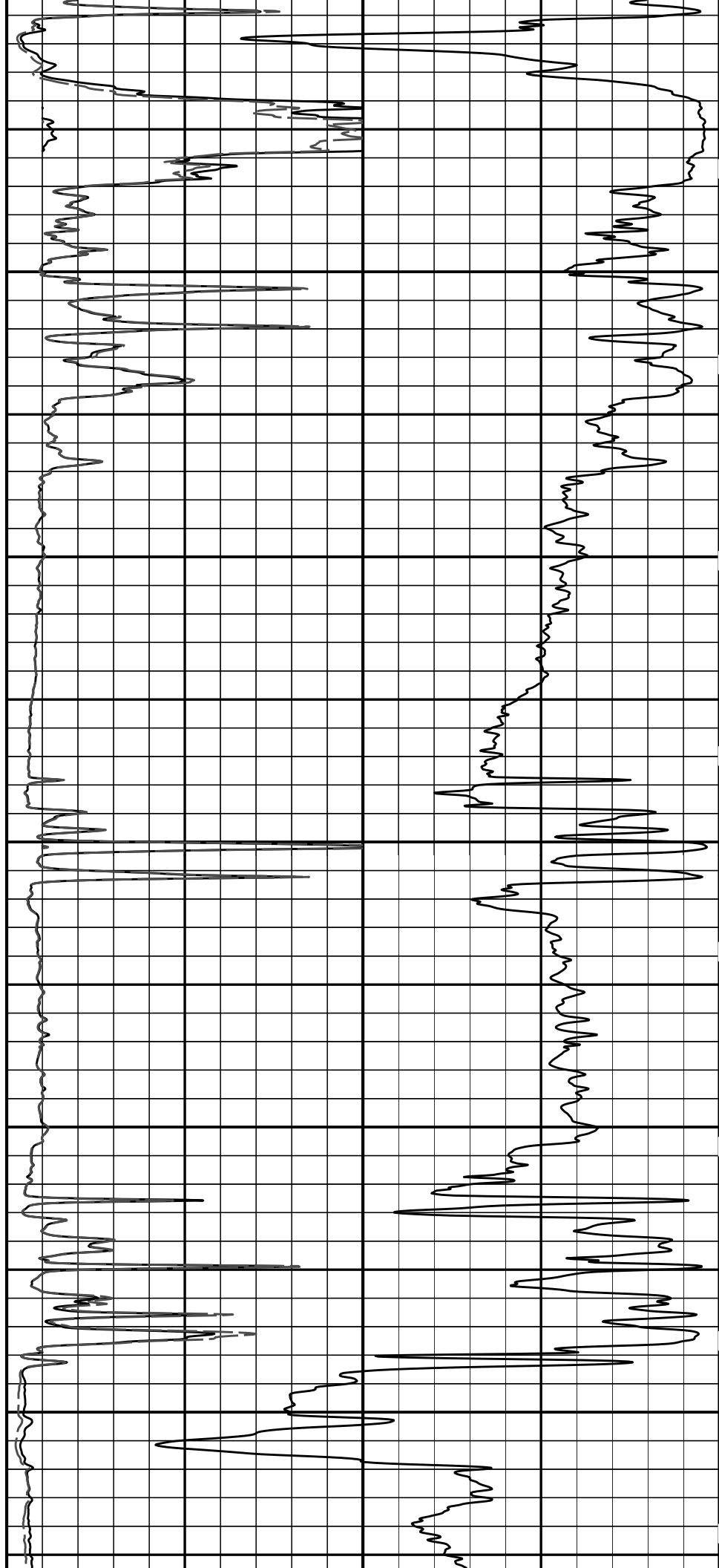
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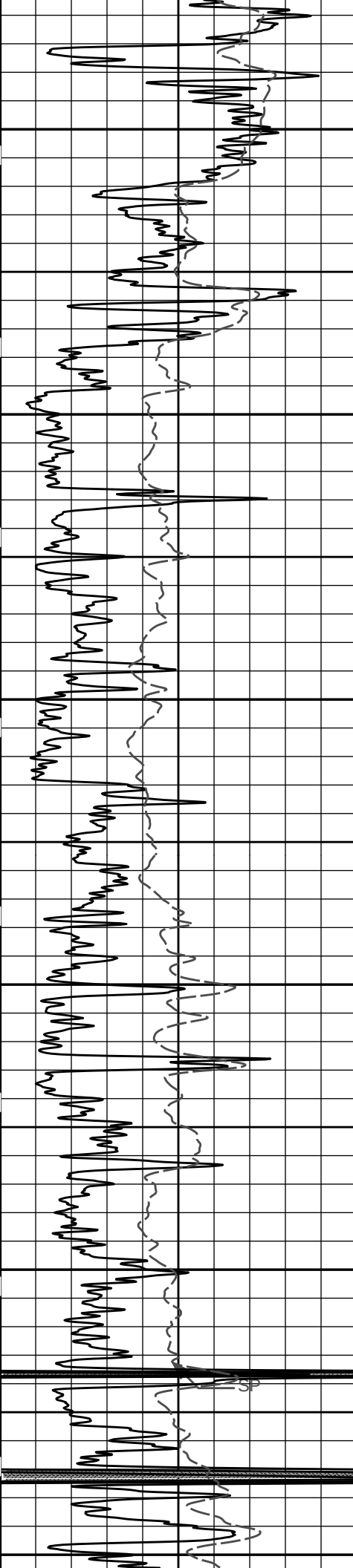
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3400

3500

3600





3700

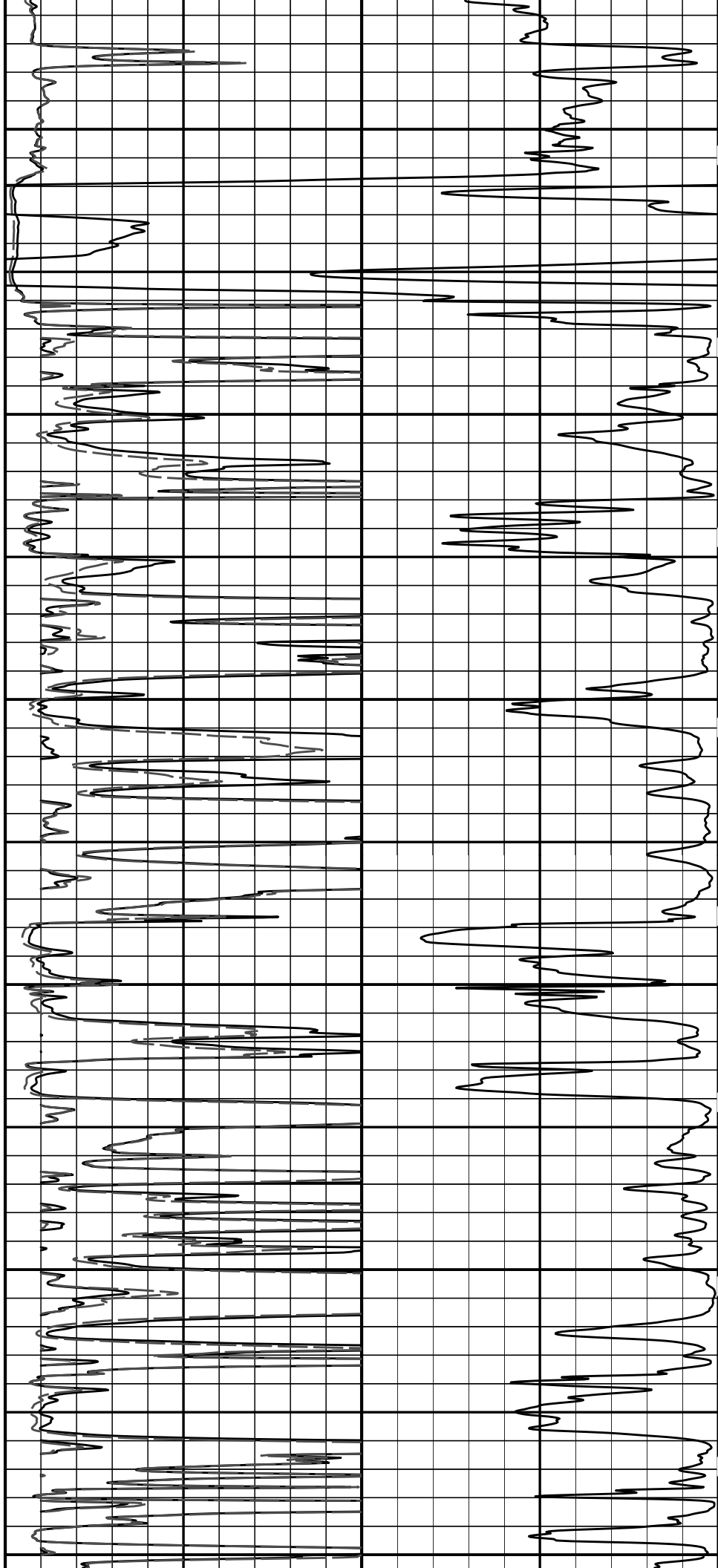
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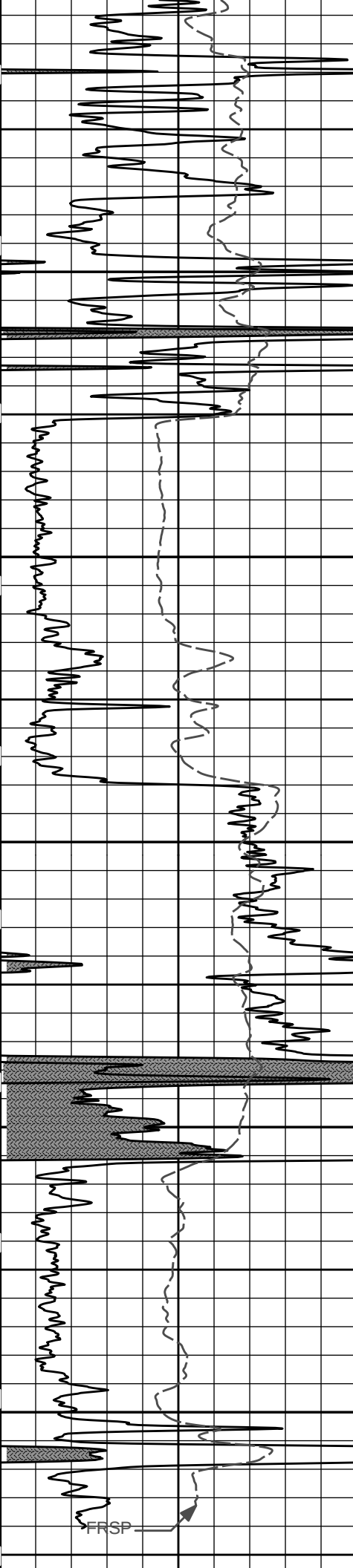
3900

4000

4100

4200





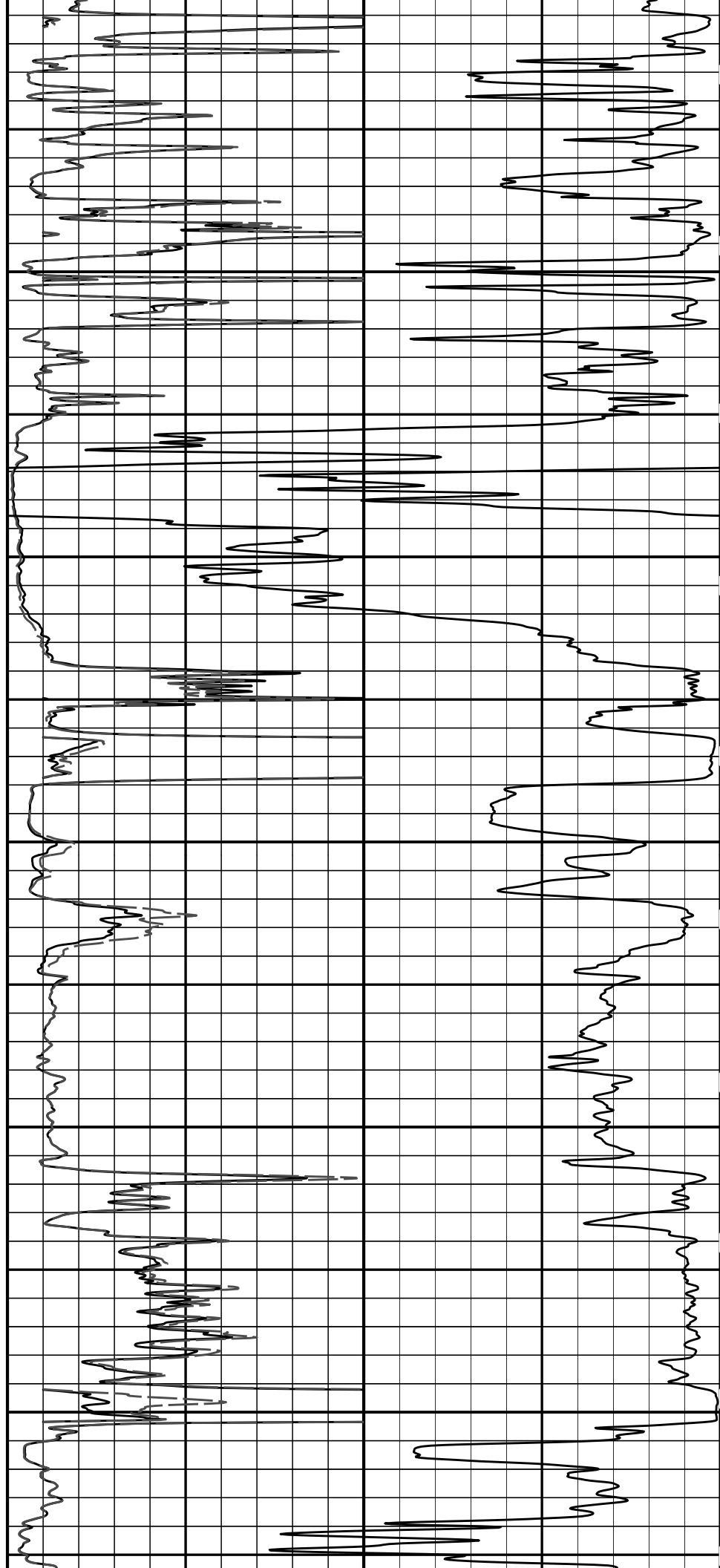
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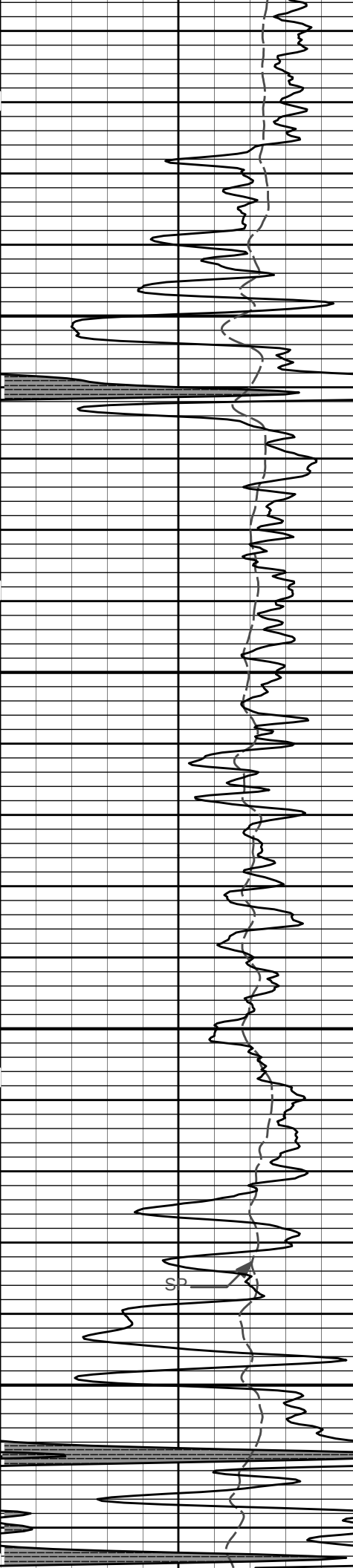
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4500

4600

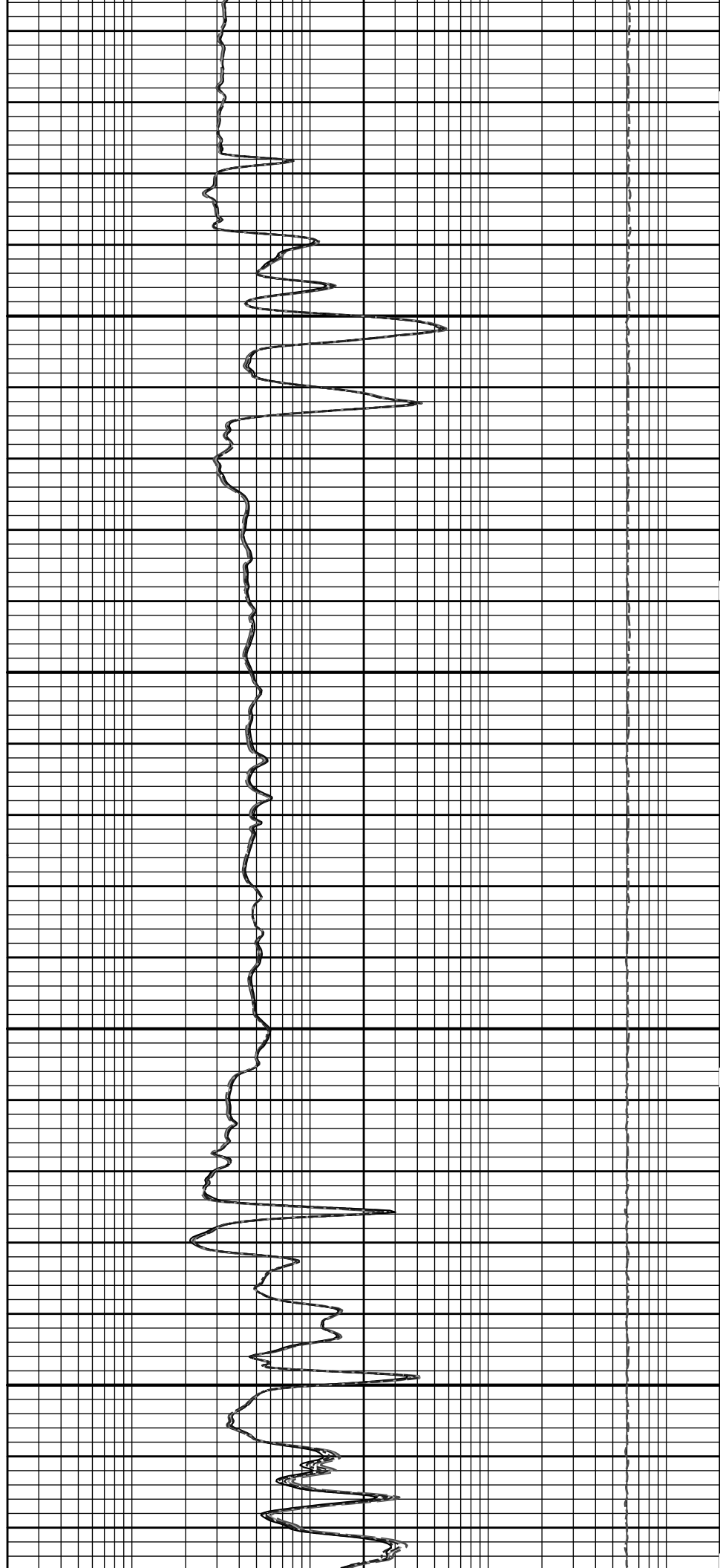
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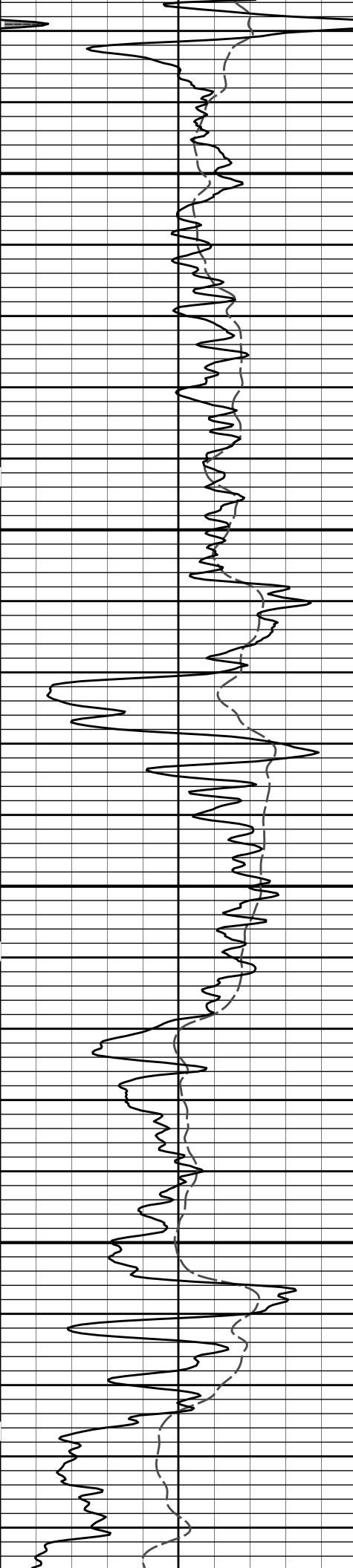




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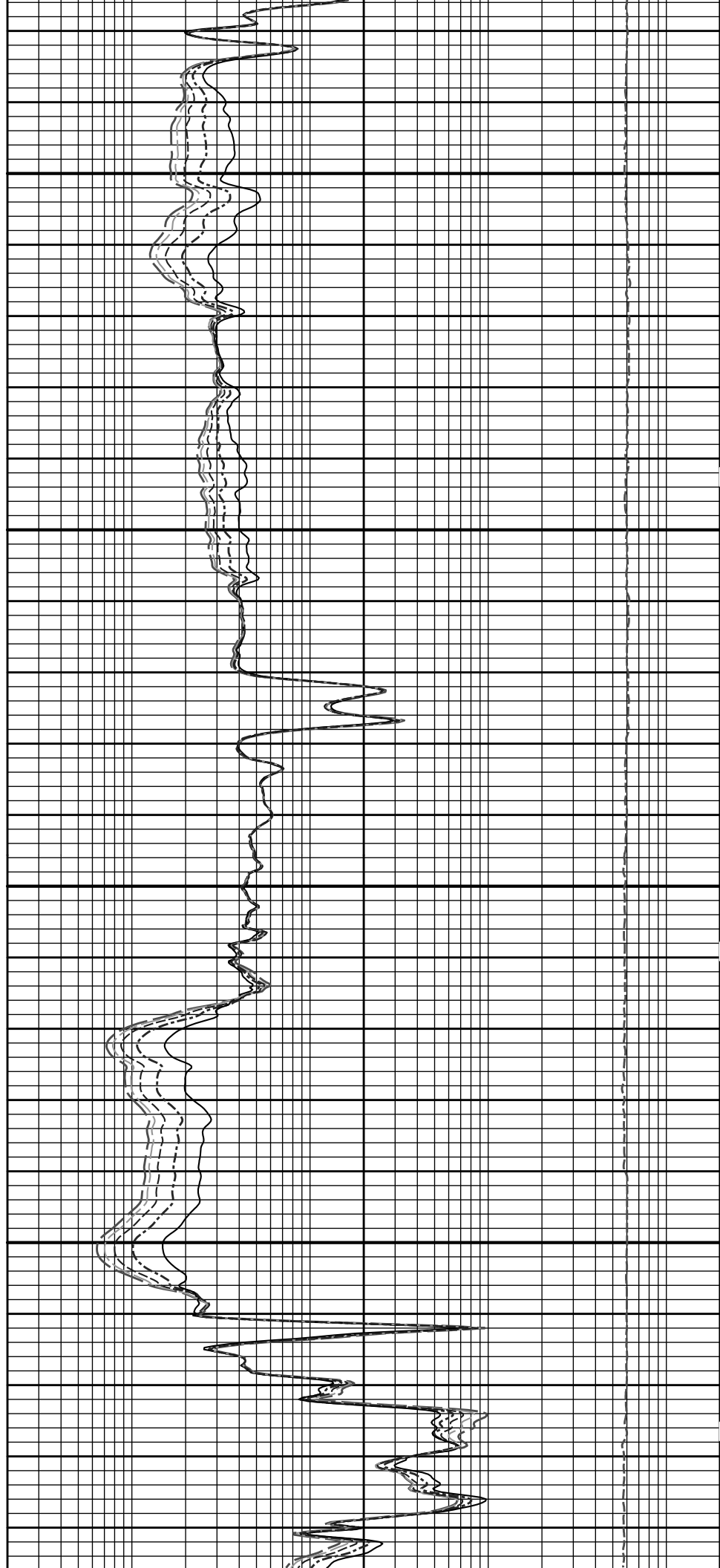
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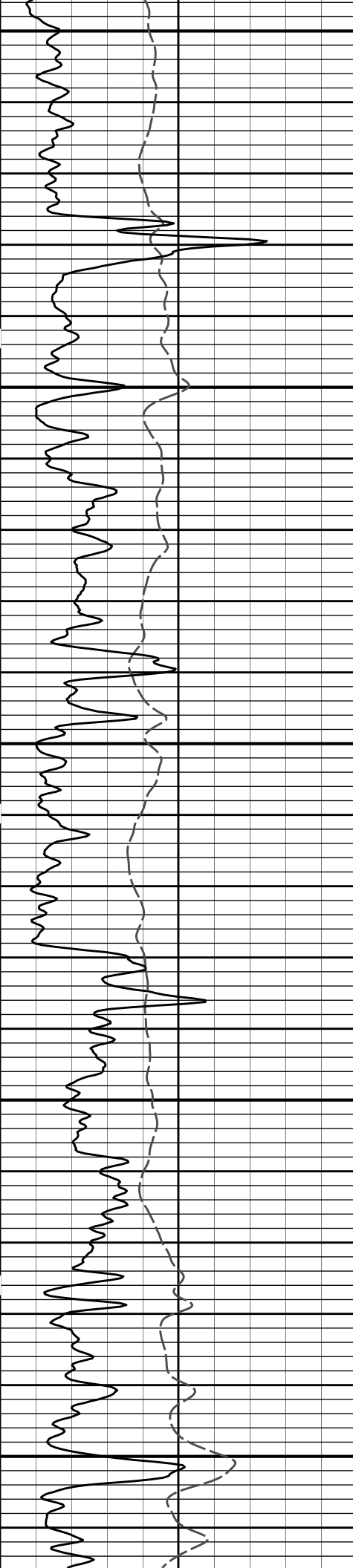




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3700

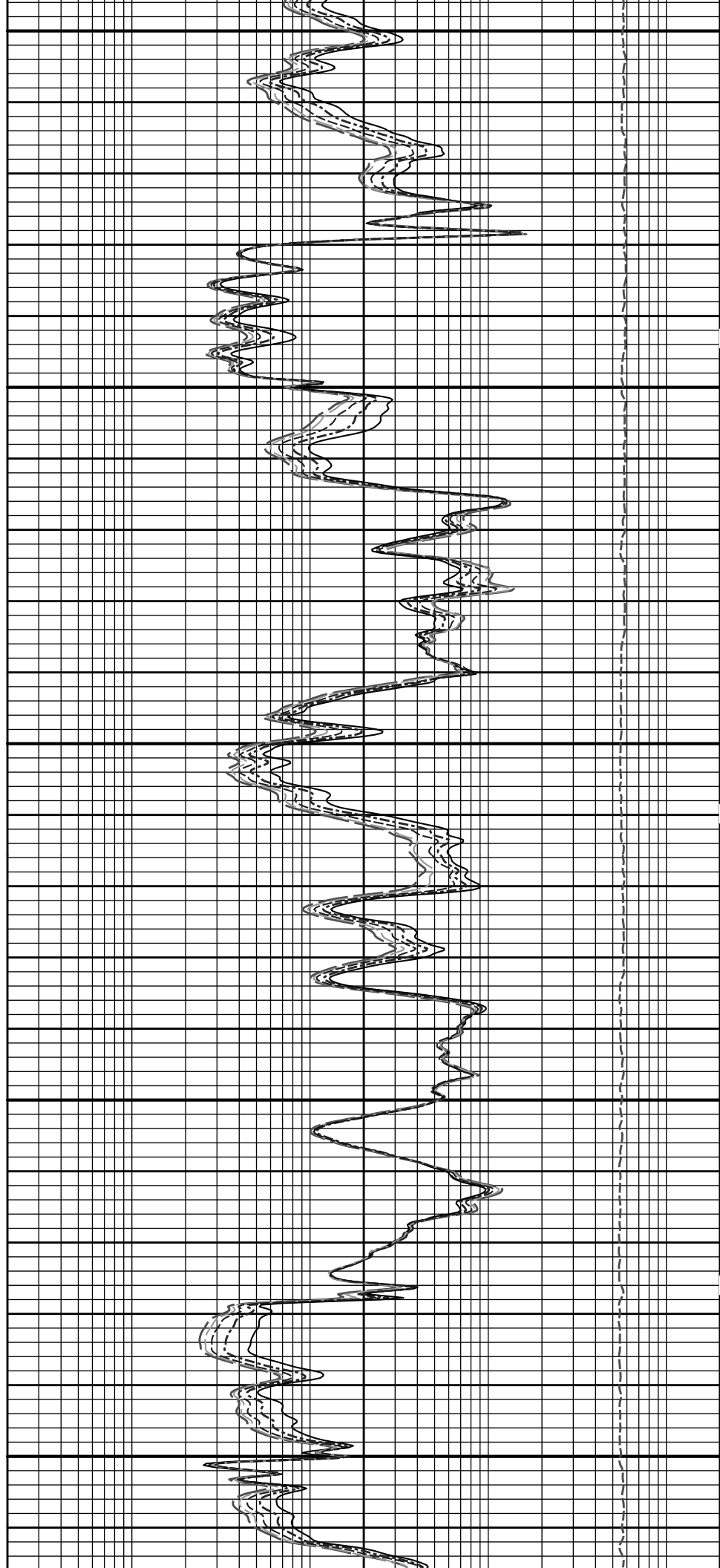


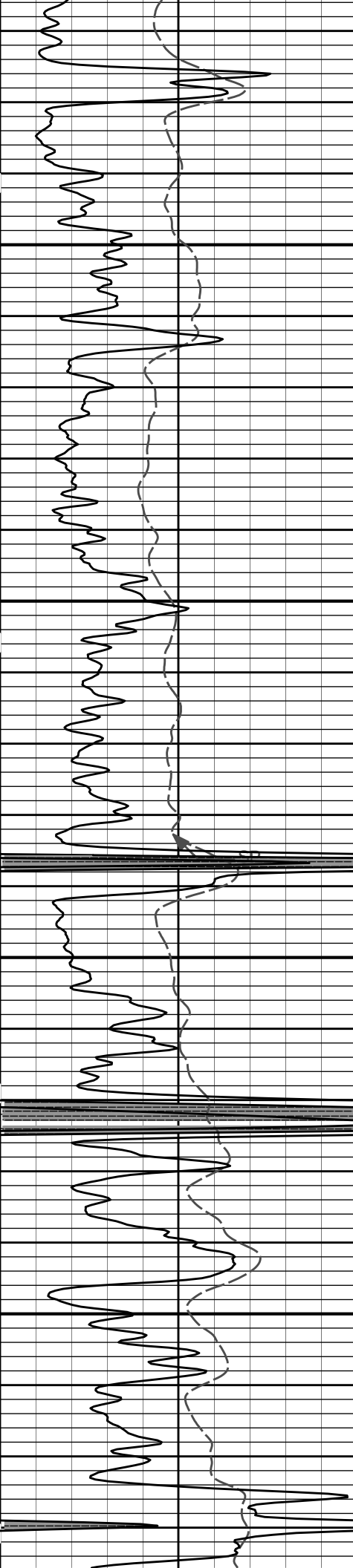


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3900

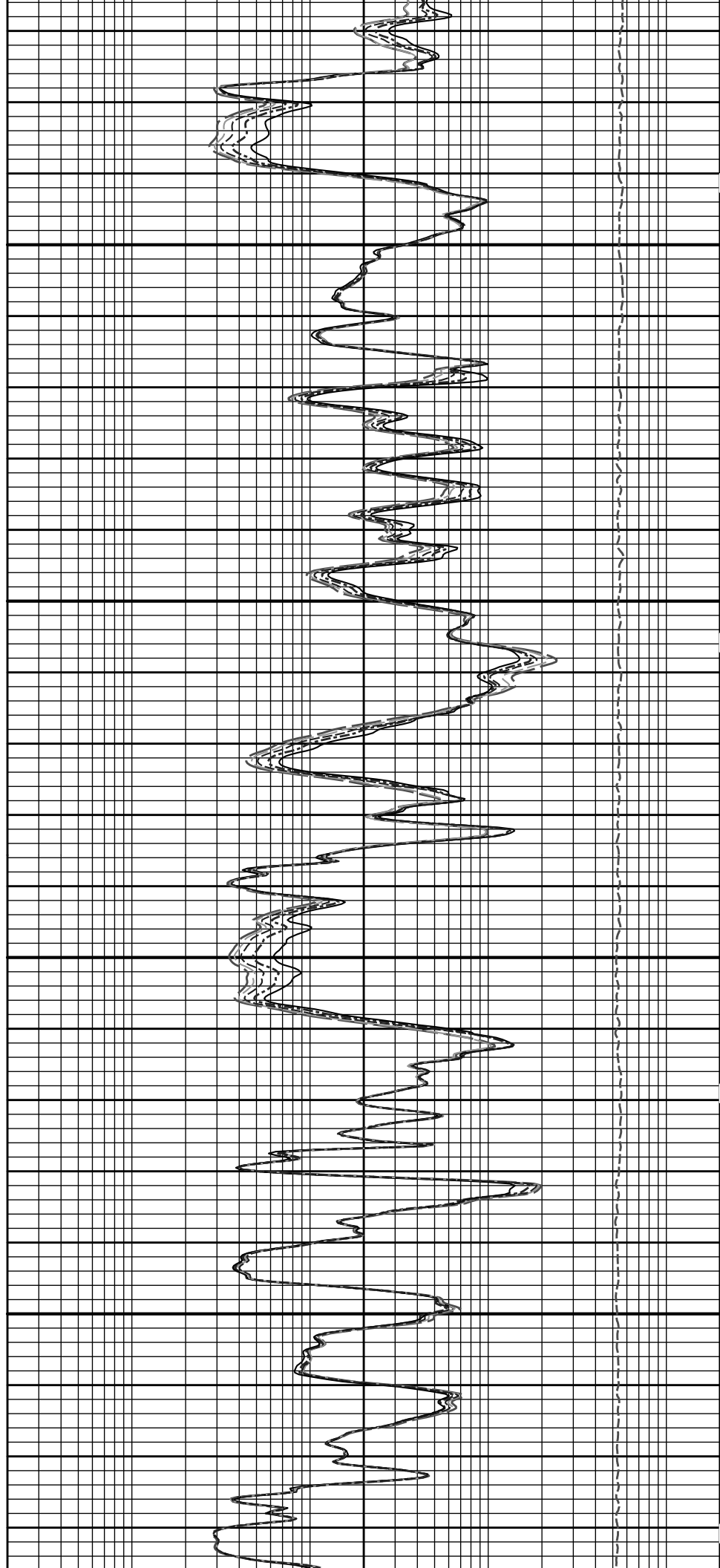
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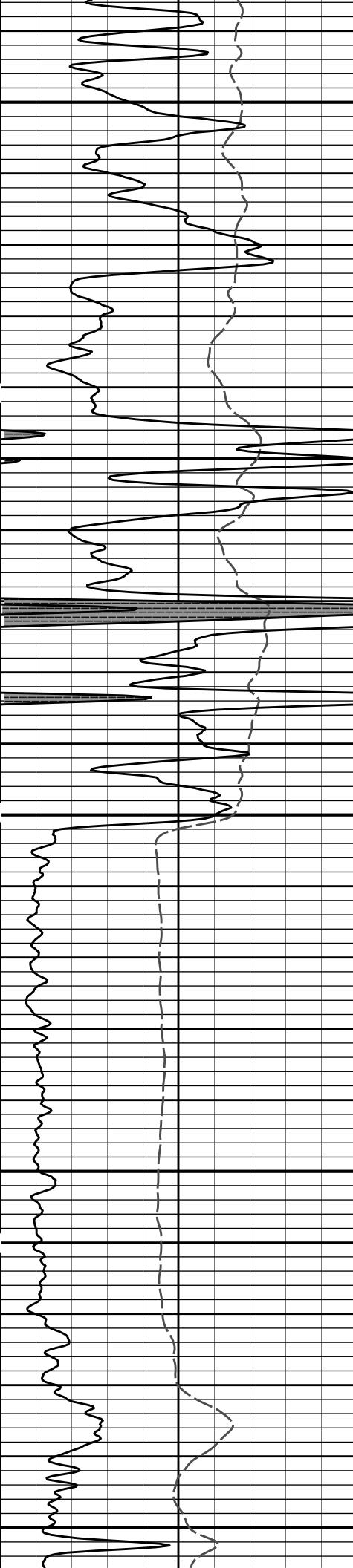




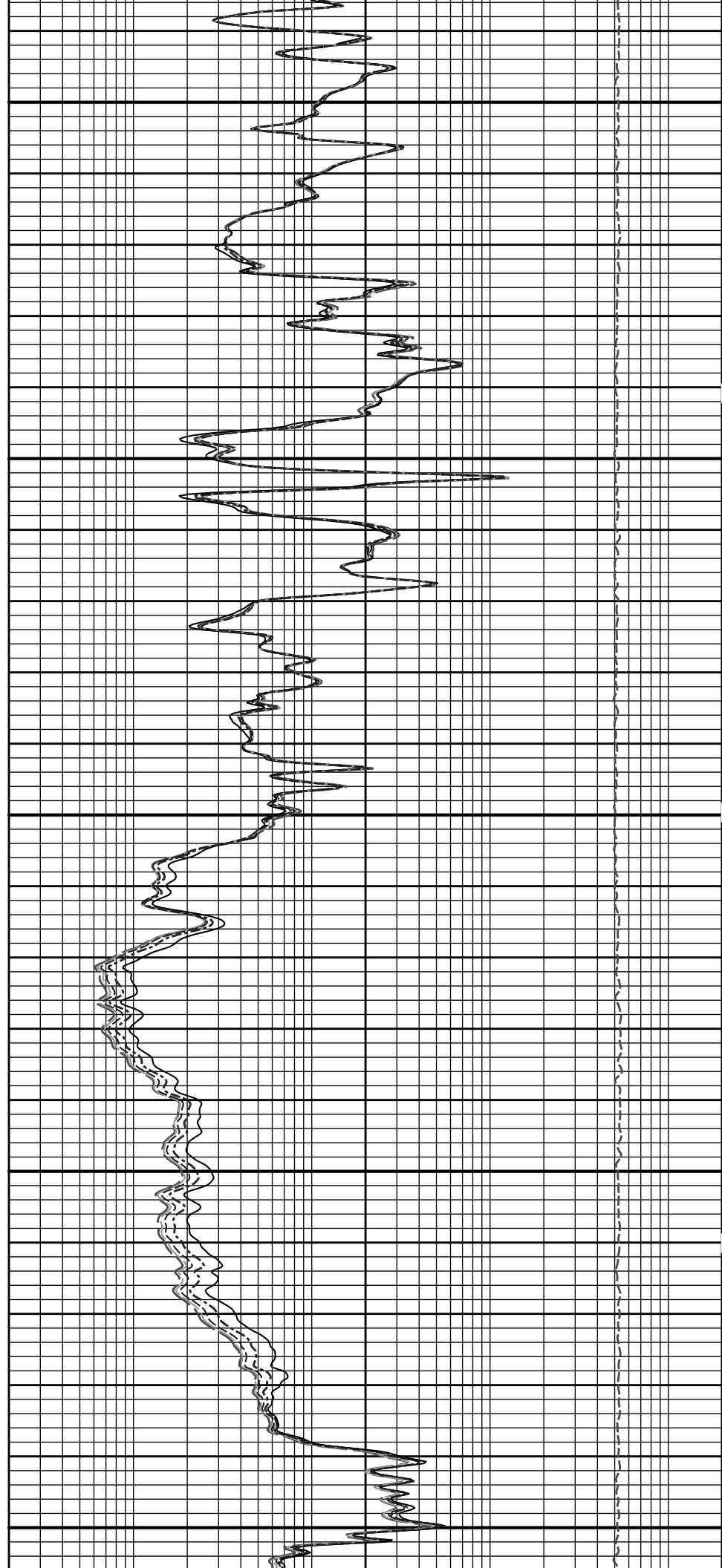
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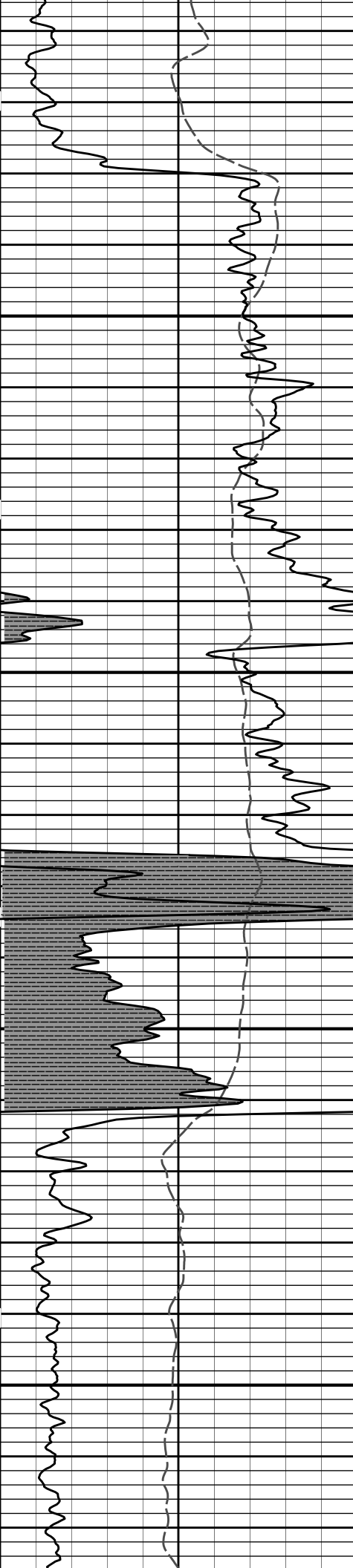




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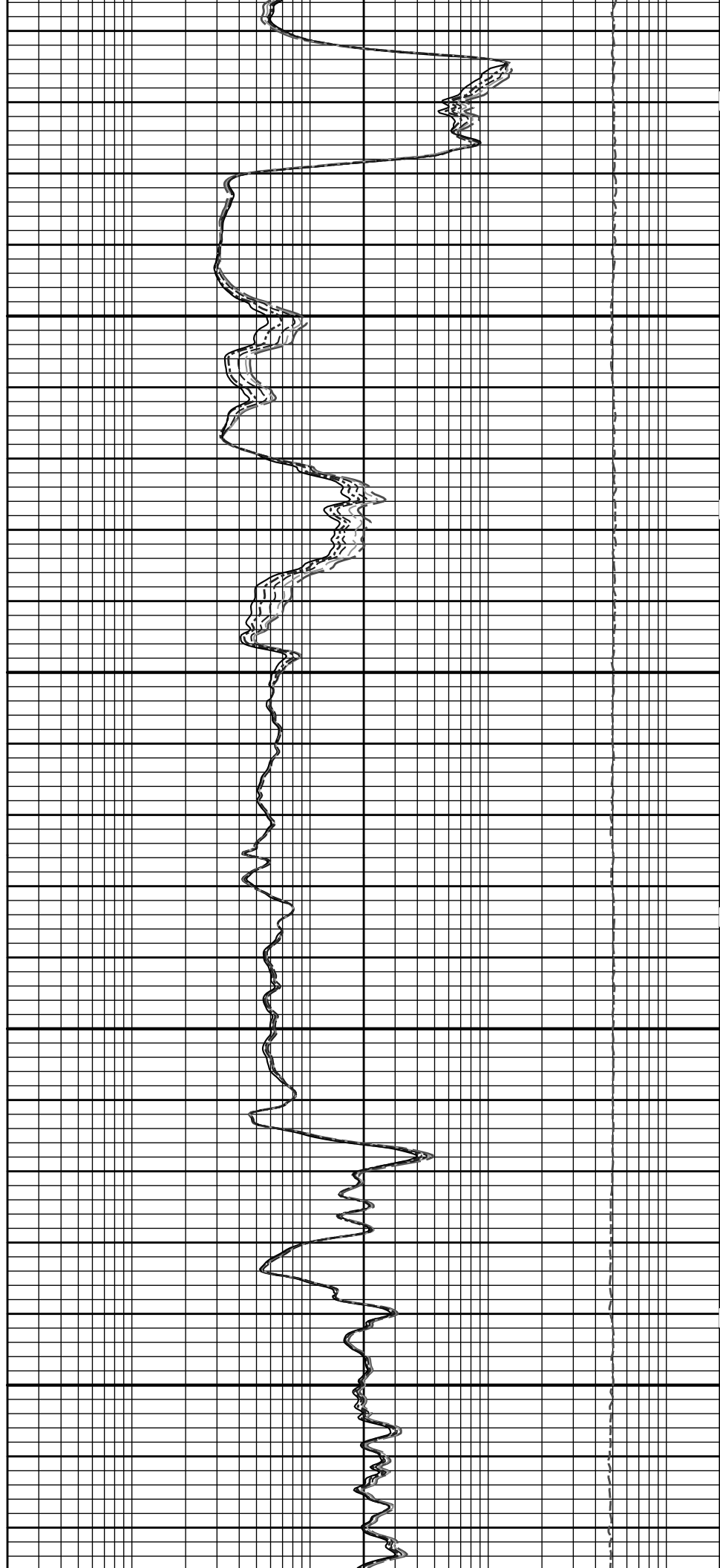


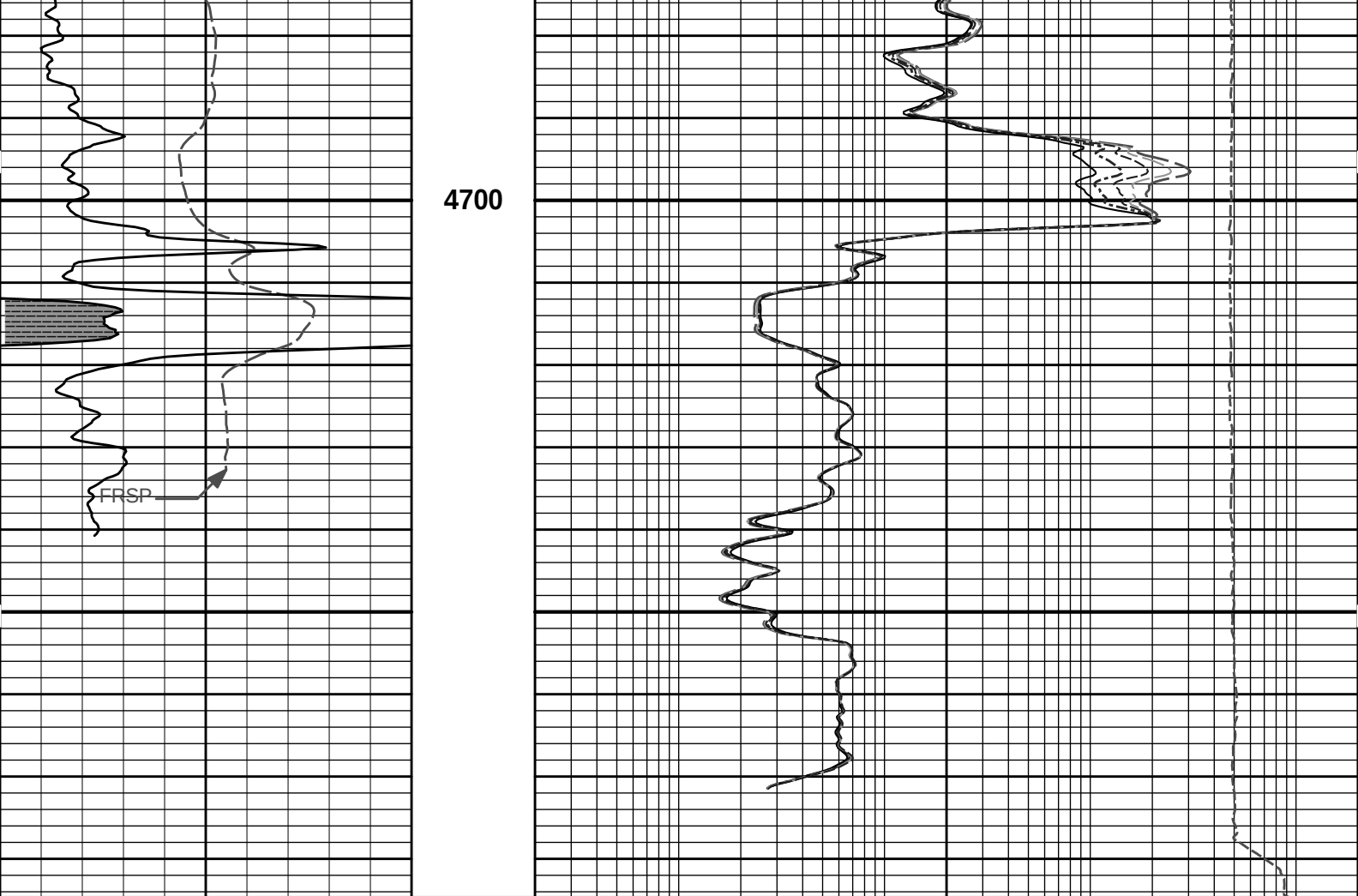
4400



4500

4600





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

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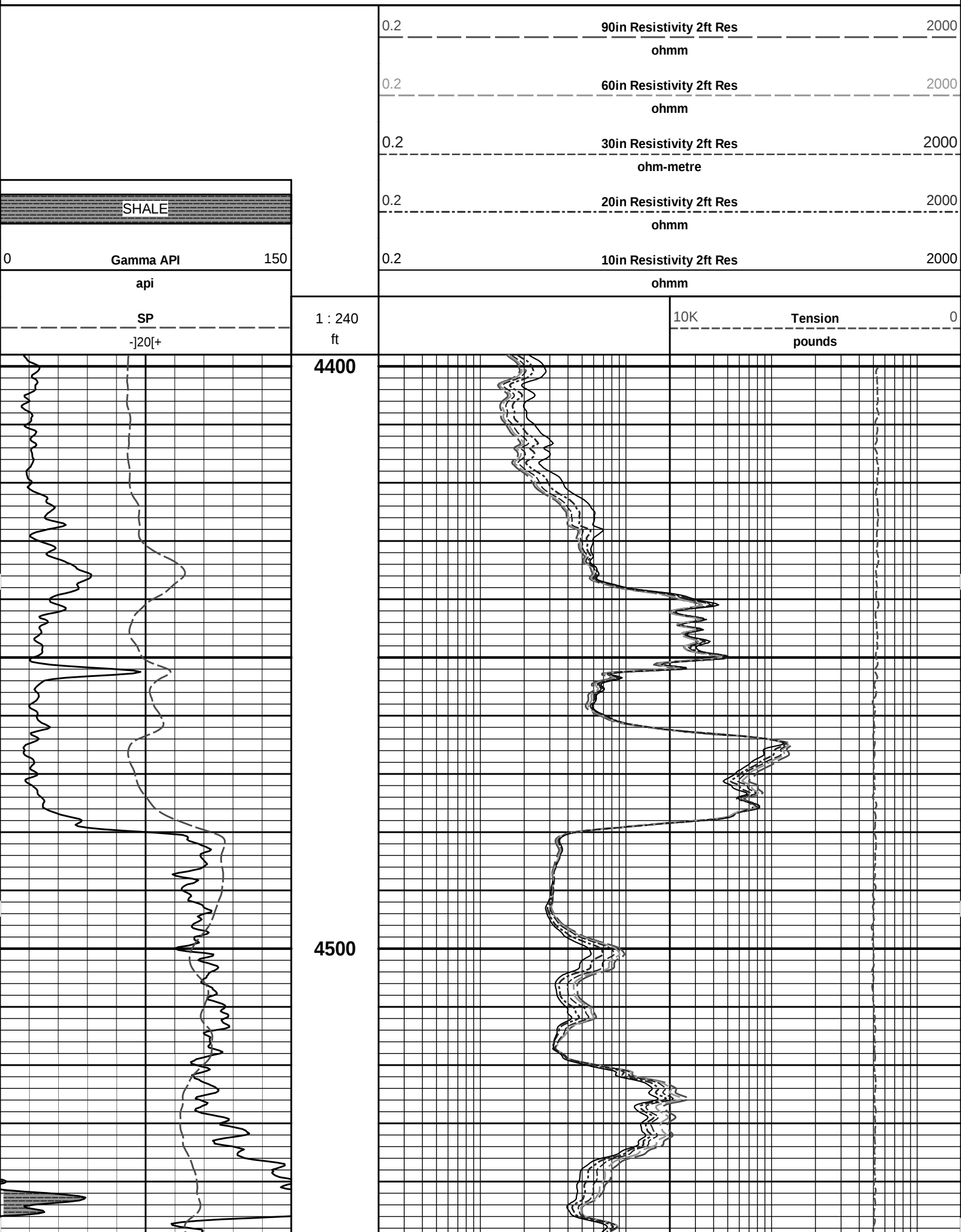
Plot Time: 04-Mar-12 16:00:08
Plot Range: 3298 ft to 4784.67 ft
Data: WHELAN_1_32\Well Based\SDL\
Plot File: \\-LOCAL-\\ACRT\\ACRT_5_main_lib

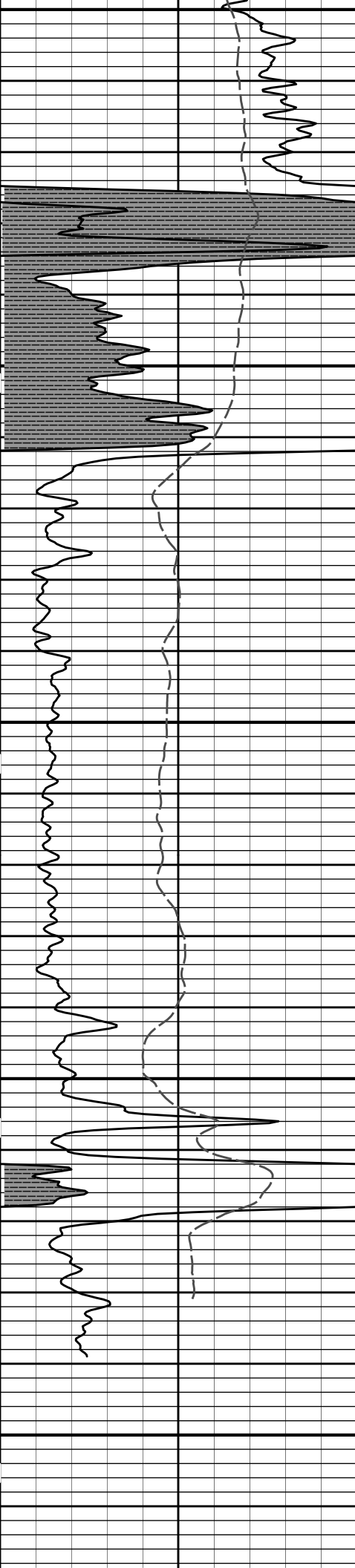
5 INCH MAIN LOG

HALLIBURTON

Plot Time: 04-Mar-12 16:00:09
Plot Range: 4398 ft to 4782.75 ft
Data: WHELAN_1_32\Well Based\REPEAT\
Plot File: \\-LOCAL-\\ACRT\\ACRT_5_repeat_lib

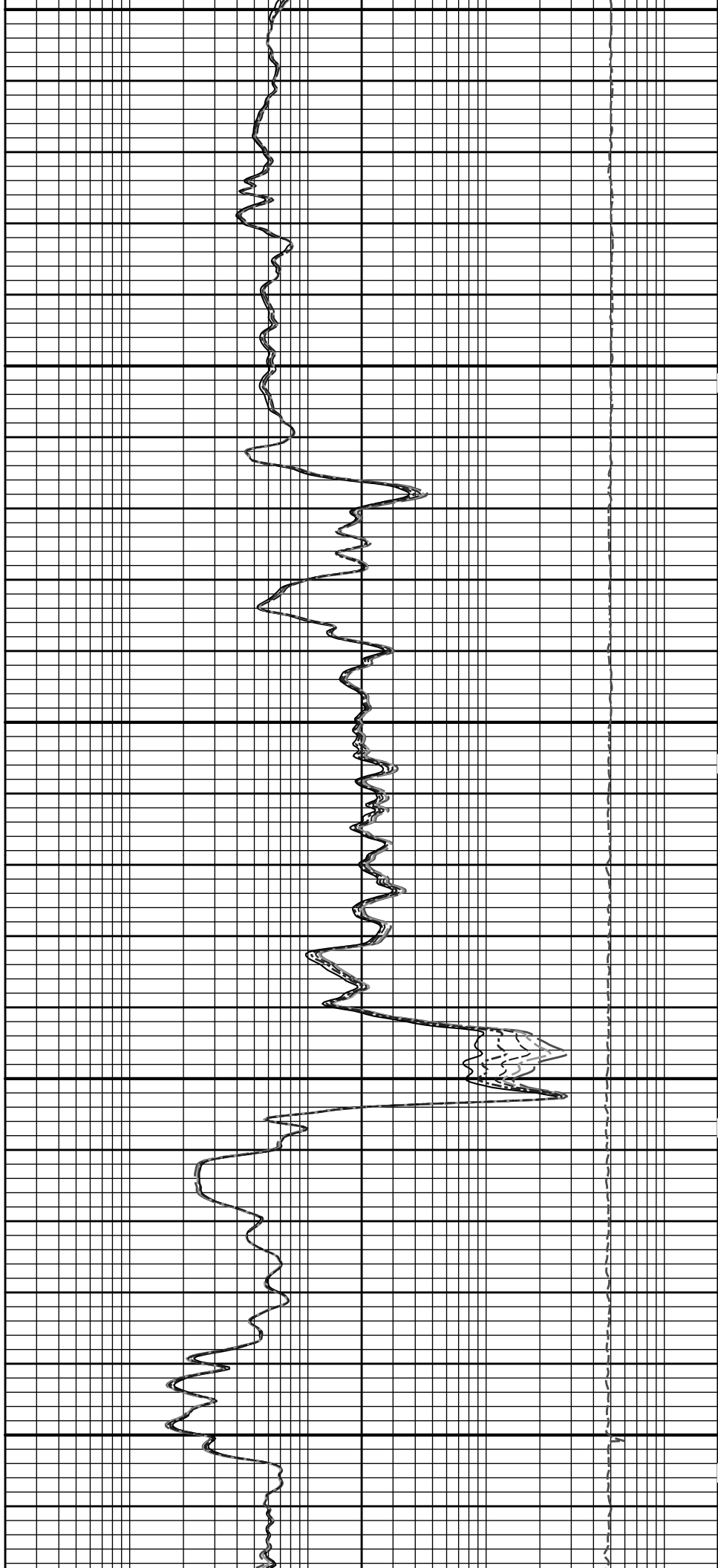
REPEAT SECTION

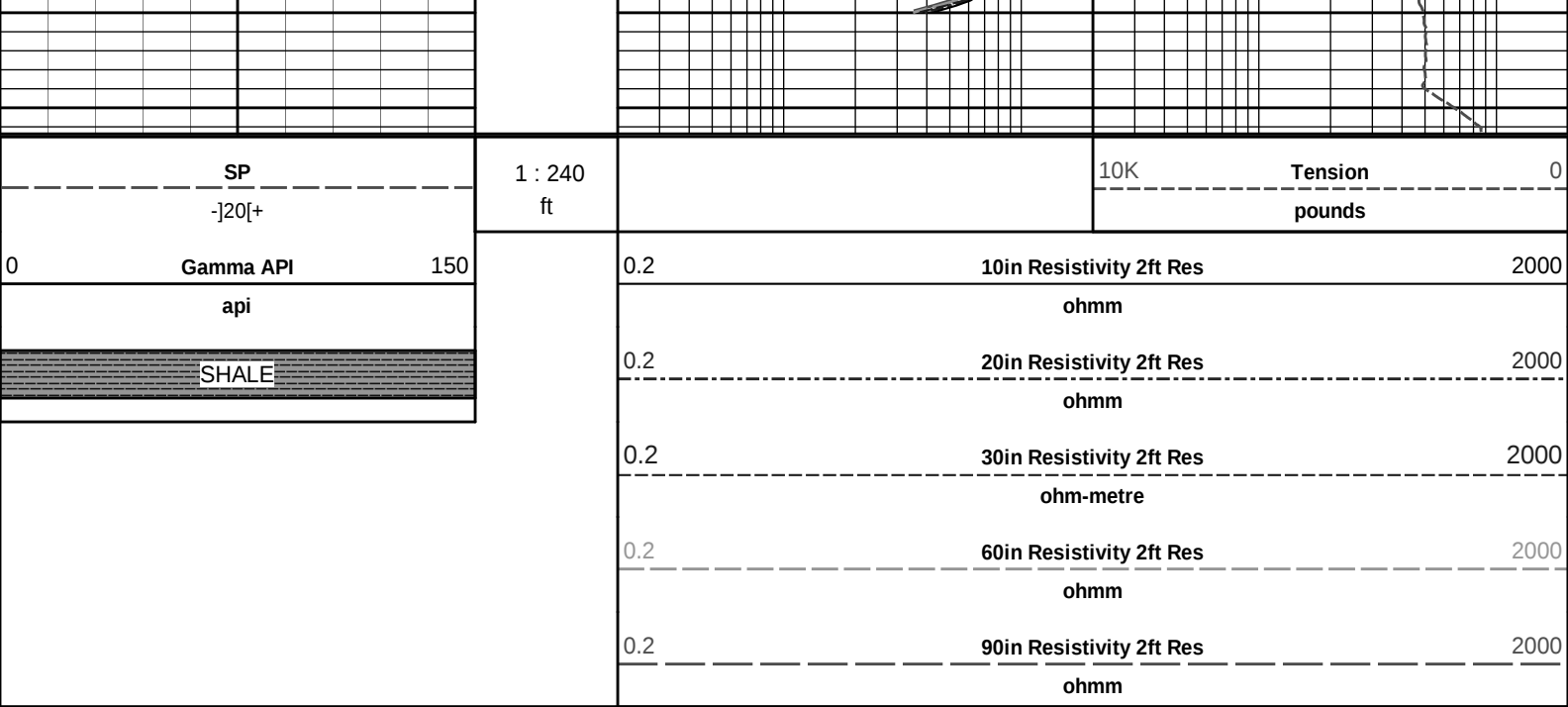




4600

4700





HALLIBURTON

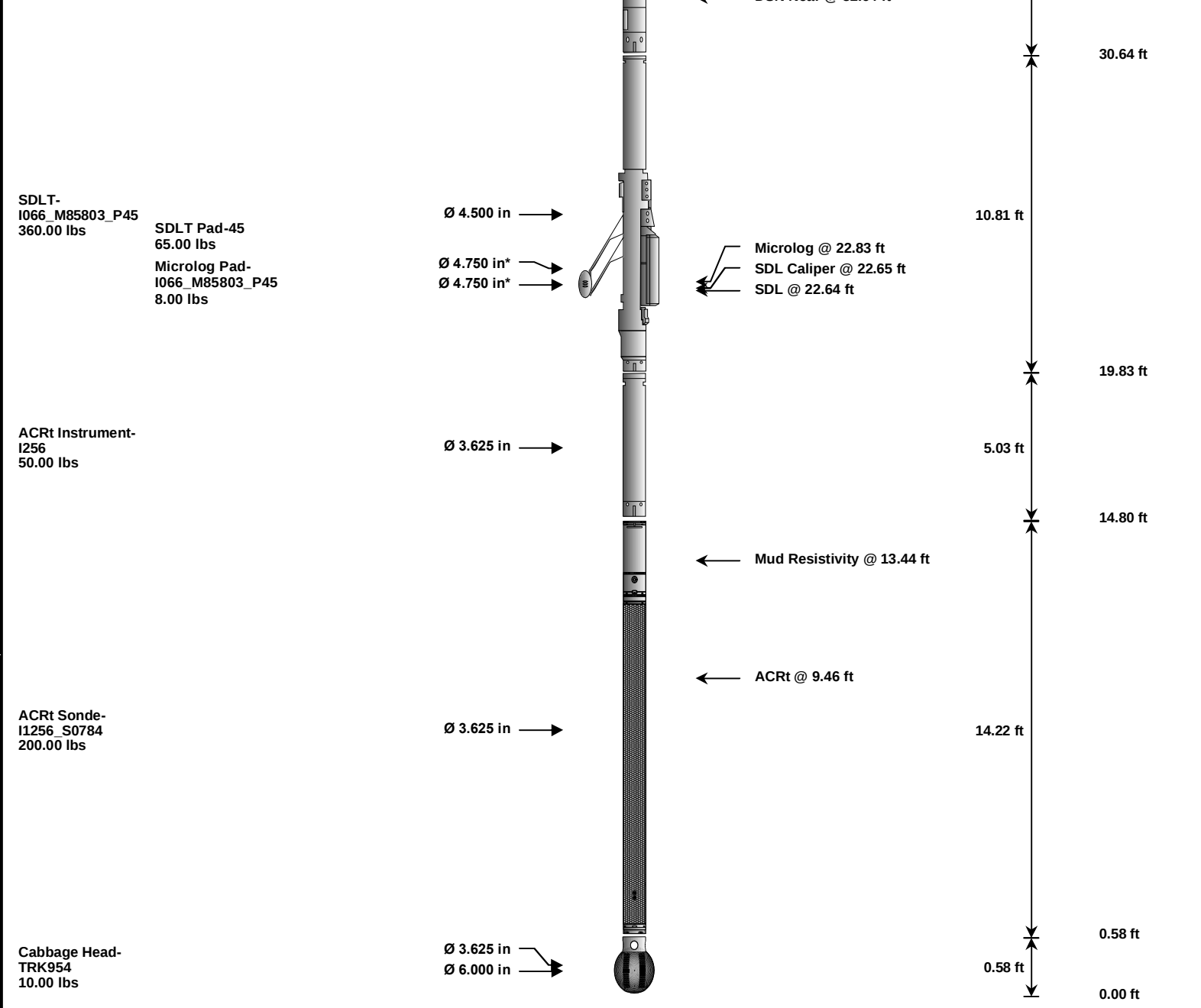
Plot Time: 04-Mar-12 16:00:12
Plot Range: 4398 ft to 4782.75 ft
Data: WHELAN_1_32\Well Based\REPEAT\
Plot File: \\-LOCAL-\\ACRT\\ACRT_5_repeat_lib

REPEAT SECTION

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TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
Cable Head- PROT01 30.00 lbs		Ø 3.625 in →			1.92 ft	54.51 ft
SP Sub-PROT01 60.00 lbs		Ø 3.625 in →		← SP @ 50.81 ft	3.74 ft	52.59 ft
						48.85 ft
GTET-10811258 165.00 lbs		Ø 3.625 in →		← GammaRay @ 42.79 ft	8.52 ft	
						40.33 ft
DSN Decentralizer- 10735145 6.60 lbs		Ø 5.000 in* →				
DSNT-10755066 174.00 lbs		Ø 3.625 in →		← DSN Far @ 33.39 ft ← DSN Near @ 32.64 ft	9.69 ft	



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		PROT01	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		10735145	6.60	5.13	*	33.97
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
SDLP	Density Insite Pad		45	65.00	2.55	*	22.04
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.							
Data: WHELAN_1_3210001 SP-GTET-DSNT-SDLT-ACRT-CHIDLE							Date: 04-Mar-12 13:47:57

NATURAL GAMMA RAY TOOL SHOP CALIBRATION									
Tool Name:		GTET - 10811258				Reference Calibration Date:		27-Feb-12 10:42:34	
Engineer:		T. HYDE				Calibration Date:		27-Feb-12 10:45:14	
Software Version:		WL INSITE R3.4.2 (Build 2)				Calibration Version:		1	
Calibrator Source S/N: TB185									
Calibrator API Reference:228.00 api									
Equivalent Calibrator API Reference:232.0 api									
		Measurement		Measured		Calibrated		Units	
		Background		43.9		44.1		api	
		Background + Calibrator		275.0		276.1		api	
		Calibrator		231.1		232.0		api	

NATURAL GAMMA RAY TOOL FIELD CALIBRATION									
Tool Name:		GTET - 10811258				Reference Calibration Date:		27-Feb-12 10:45:14	
Engineer:		T. HYDE				Calibration Date:		04-Mar-12 08:18:15	
Software Version:		WL INSITE R3.4.2 (Build 2)				Calibration Version:		1	
Calibrator Source S/N: TB185									
Calibrator API Reference:228.00 api									
Equivalent Calibrator API Reference:232.0 api									
		Field Verification		Shop		Field		Units	
		Background		44.1		48.7		api	
		Background + Calibrator		276.1		277.3		api	
		Calibrator		232.0		228.7		api	
		Shop		Field		Difference		Tolerance	
		232.0		228.7		3.3		+/- 9.00	

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION									
Tool Name:		ACRt Sonde - I1256_S0784				Reference Calibration Date:		03-Oct-11 10:37:13	
Engineer:		C. HAVERKAMP				Calibration Date:		19-Jan-12 15:58:26	
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	1.0114	1.05	0.95	1.0118	1.05	0.95	1.0018	1.05
A2 (50")	0.95	1.0171	1.05	0.95	1.0184	1.05	0.95	1.0116	1.05
A3 (29")	0.95	1.0027	1.05	0.95	1.0033	1.05	0.95	0.9957	1.05
A4 (17")	0.95	1.0186	1.05	0.95	1.0175	1.05	0.95	1.0133	1.05
A5 (10")	N/A	N/A	N/A	0.95	0.9958	1.05	0.95	0.9913	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9830	1.05	0.95	0.9787	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	-0.430	2	-6	-3.728	-2	-8	-4.849	-2
A2 (50")	-7	-2.031	-1	-6	-3.570	-2	-7	-4.342	-2
A3 (29")	-27	-16.211	-9	-9	-4.525	-3	-7	-3.257	-1
A4 (17")	-180	-98.266	-60	-45	-32.488	-15	-39	-26.620	-13
A5 (10")	N/A	N/A	N/A	-150	-96.757	-50	-80	-48.362	-10
A6 (6")	N/A	N/A	N/A	175	301.957	525	90	159.522	270

TRANSMITTER CURRENT GAIN				R-MUD VERIFICATION			
Signal	Lower	R	Upper	Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K	0.6	0.8379	1.3	Mud Cell	0.95	1.002	1.05
36K	1.0	1.1691	2.0				
72K	1.0	1.4954	2.0				

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10811258						
Gamma Ray Calibrator	232.0	228.7	-----	3.3	+/- 9.00	api
ACRt Sonde-I1256_S0784						
Mud Cell	1.002	-----	-----	0.000	-----	ohm-m
Data: WHELAN_1_32\0001 SP-GTET-DSNT-SDLT-ACRT-CH\IDLE					Date: 04-Mar-12 14:15:58	

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PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	7.875	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDBS	Mud Base	Water	
	SHARED	MDWT	Borehole Fluid Weight	9.200	ppg
	SHARED	WAGT	Weighting Agent	Natural	
	SHARED	BSAL	Borehole salinity	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	0.400	ohmm
	SHARED	TRM	Temperature of Mud	75.0	degF
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	4.500	in
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	4778.00	ft
	SHARED	BHT	Bottom Hole Temperature	110.0	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 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: WHELAN_1_32\0001 SP-GTET-DSNT-SDLT-ACRT-CHI004 04-Mar-12 14:42 Up @4784.8f				Date: 04-Mar-12 15:16:56

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	
ERND	Near Detector Telemetry Counts EVR	32.64	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	33.39	BLK	0.000
ENTM	DSN Tool Temperature EVR	32.64	NO	
SDLT				
TPUL	Tension Pull	22.65	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	

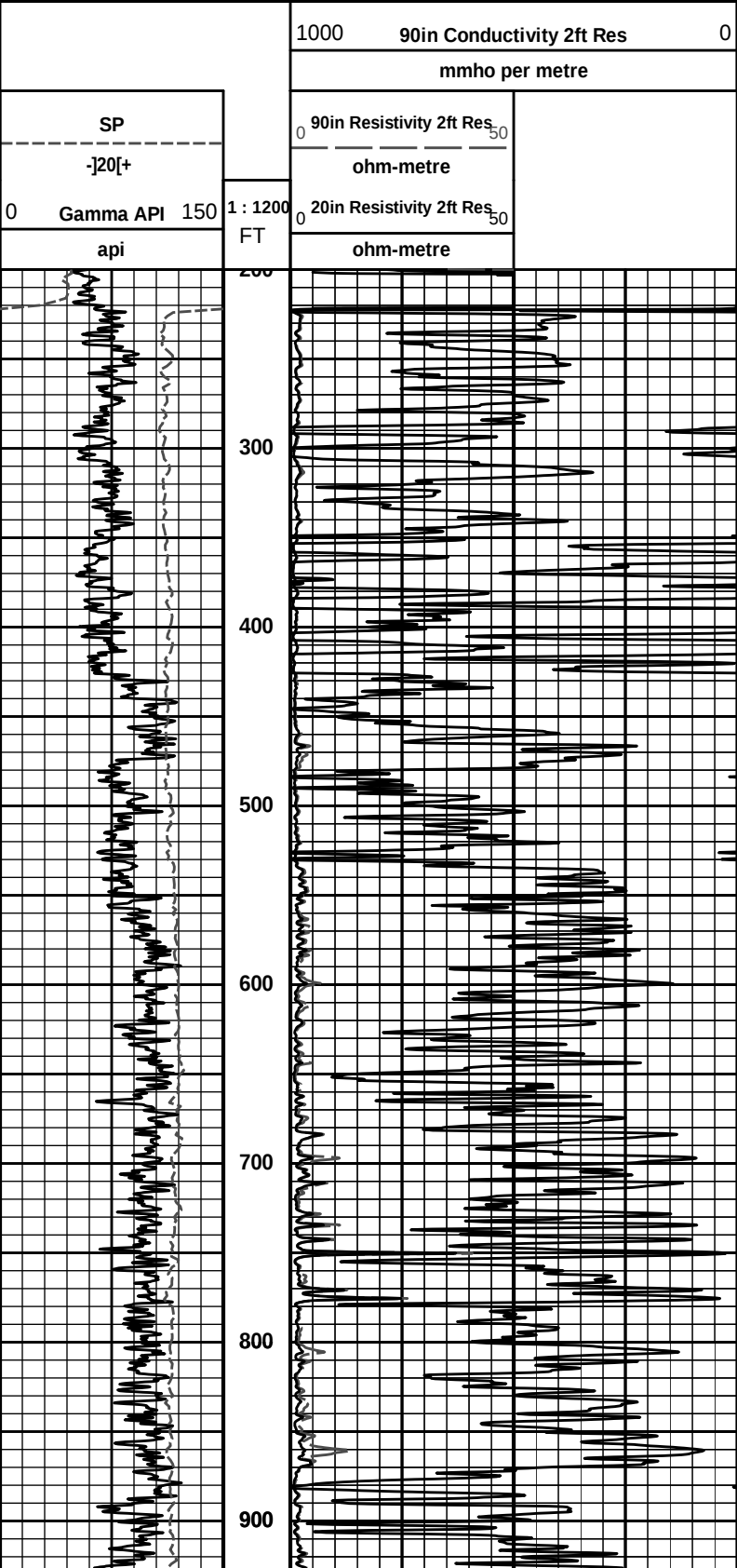
Microlog Pad				
TPUL	Tension Pull	22.83	NO	
MINV	Microlog Lateral	22.83	BLK	0.750
MNOR	Microlog Normal	22.83	BLK	0.750
Data: WHELAN_1_32\0001 SP-GTET-DSNT-SDLT-ACRT-CH\IDLE			Date: 04-Mar-12 14:19:21	

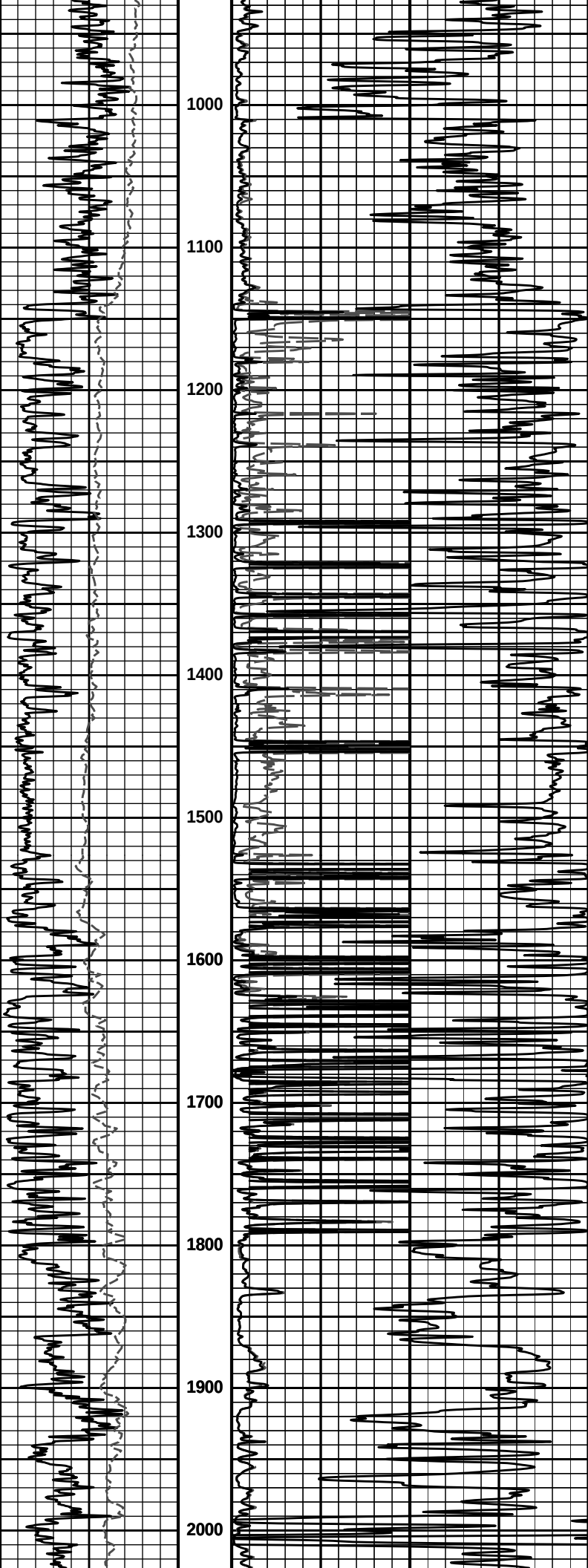
COMPANY	VAL ENERGY INC.			
WELL	WHELAN 1-32			
FIELD				
COUNTY	BARBER	STATE	KANSAS	

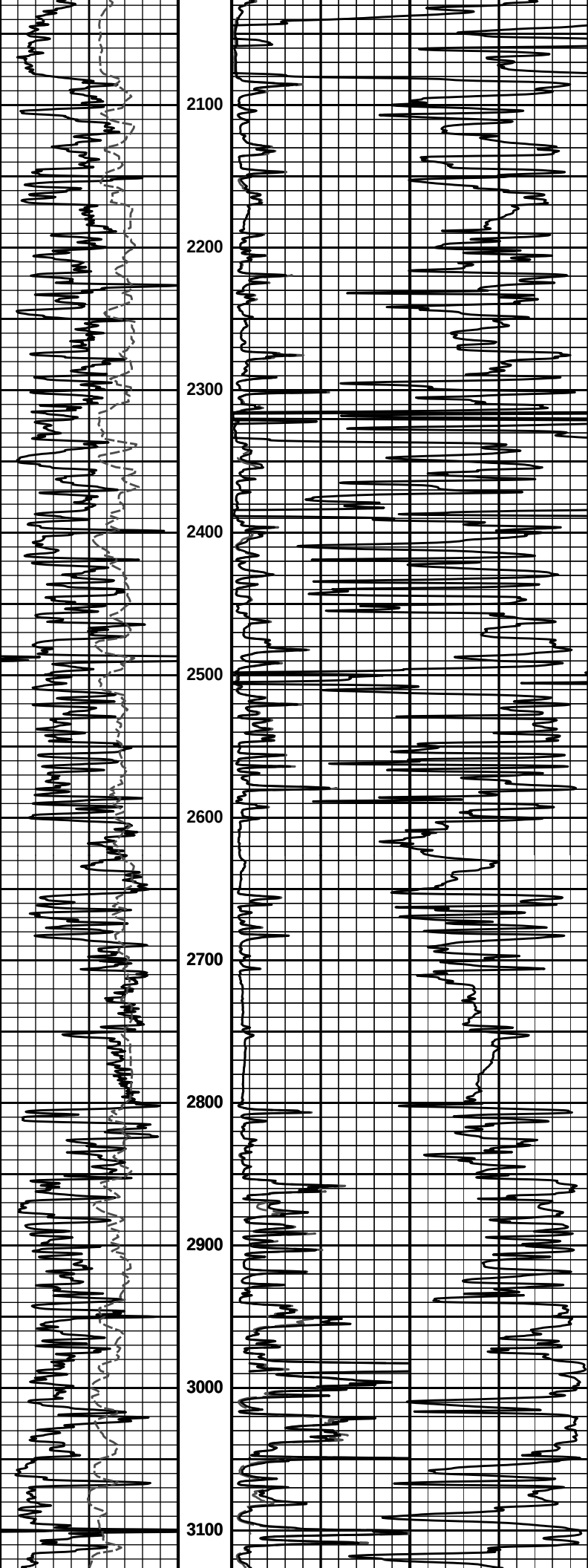
HALLIBURTON

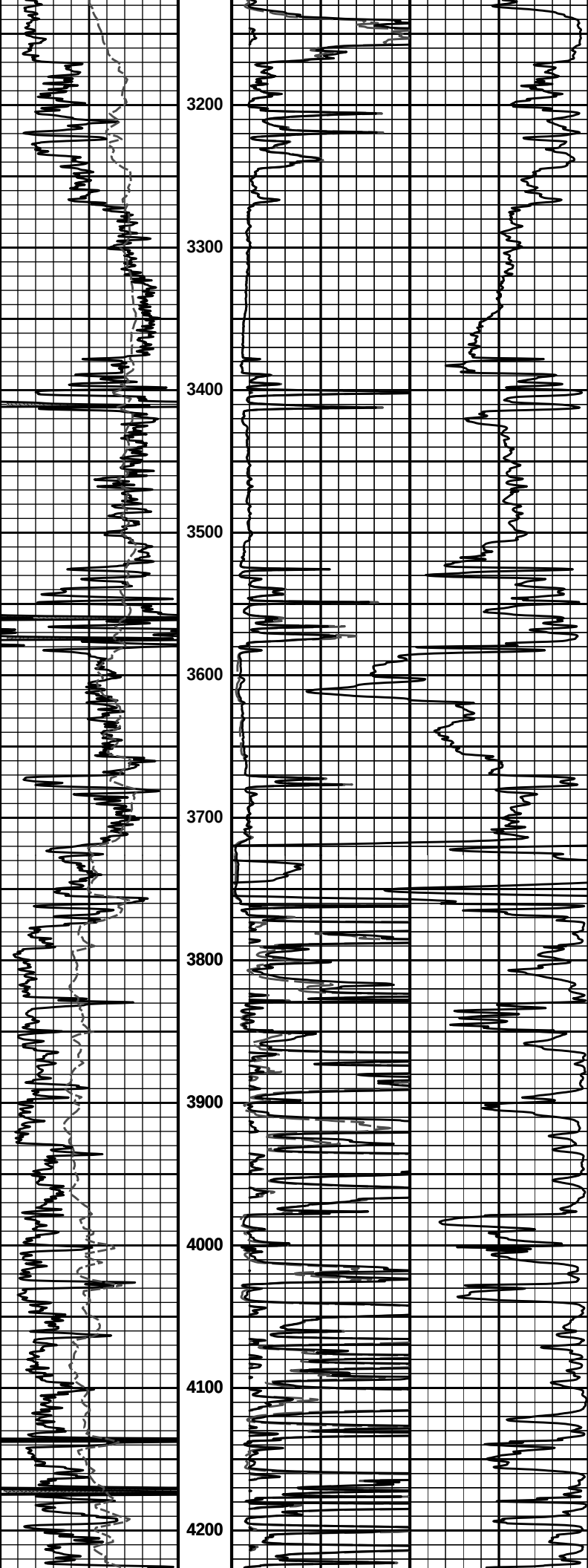
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Data: WHELAN_1_32\Well Based\MAIN\
Plot File: \\-LOCAL-IACRT\ACRT_1_lib

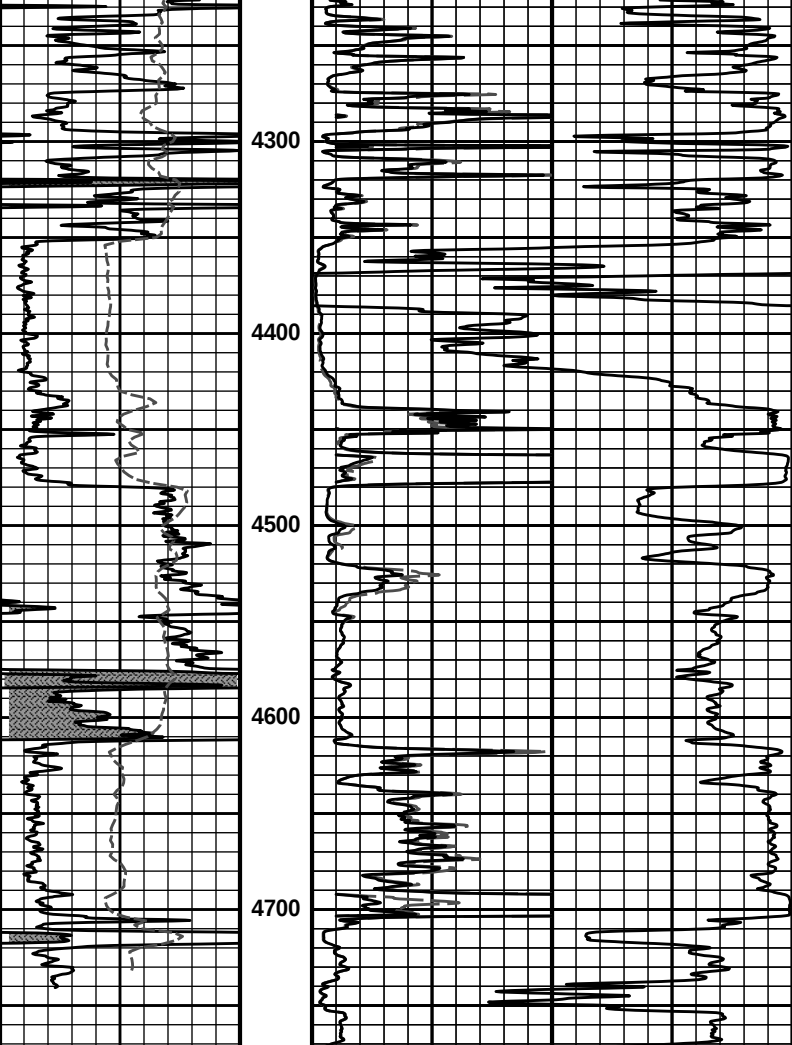
1 INCH MAIN LOG











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

HALLIBURTON

Plot Time: 04-Mar-12 16:00:14
Plot Range: 200 ft to 4771.5 ft
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1 INCH MAIN LOG