

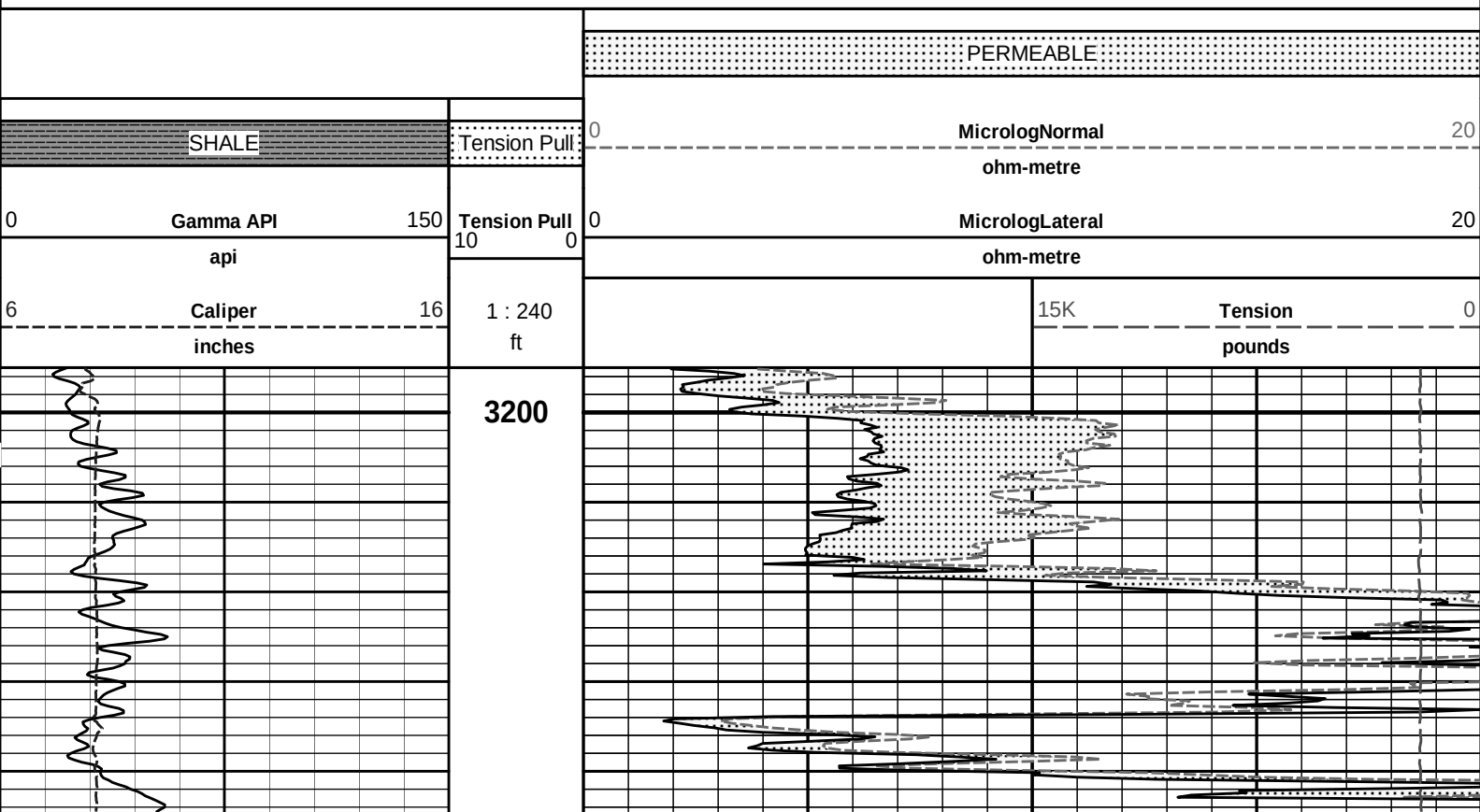
HALLIBURTON

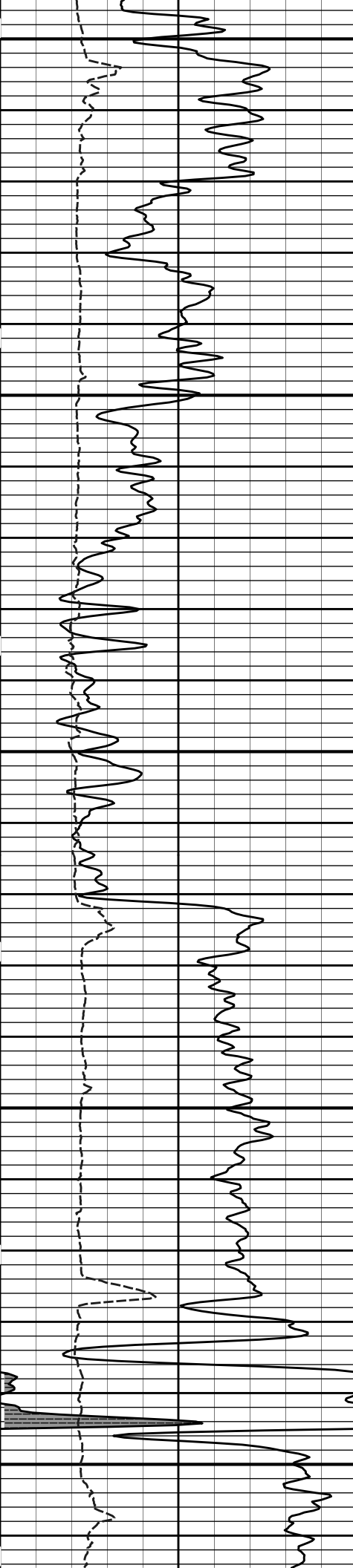
MICROLOG

COMPANY		VAL ENERGY	
WELL		HICKOCK 2-23	
FIELD/BLOCK		UNKNOWN	
COUNTY		BARBER	
STATE		KANSAS	
Permanent Datum		G.L.	
Log measured from		KB	
Drilling measured from		KB	
Date		27-Feb-13	
Run No.		ONE	
Depth - Driller		5025.00 ft	
Depth - Logger		5021.0 ft	
Bottom - Logged Interval		4998	
Top - Logged Interval		3200	
Casing - Driller		8.625 in @ 225.0 ft	
Casing - Logger		223.0 ft	
Bit Size		7.875 in @	
Type Fluid in Hole		WATER BASED	
Density		9.4 ppg	
Viscosity		61.00 s/qt	
PH		9.00 pH	
Fluid Loss		13.2 cpm	
Source of Sample		MUD PIT	
Rm @ Meas. Temperature		0.640 ohmm @ 60.00 degF	
Rmf @ Meas. Temperature		0.54 ohmm @ 60.00 degF	
Rmc @ Meas. Temperature		0.740 ohmm @ 60.00 degF	
Source Rmf		MEASURED	
Rmc		MEASURED	
Rm @ BHT		0.35 ohmm @ 116.0 degF	
Time Since Circulation		5.0 hr	
Time on Bottom		27-Feb-13 04:21	
Max. Rec. Temperature		116.0 degF @ 5021.0 ft	
Equipment		10782954 LIBERAL	
Recorded By		S. INGERSOLL	
Witnessed By		S. VANBUSKIRK	

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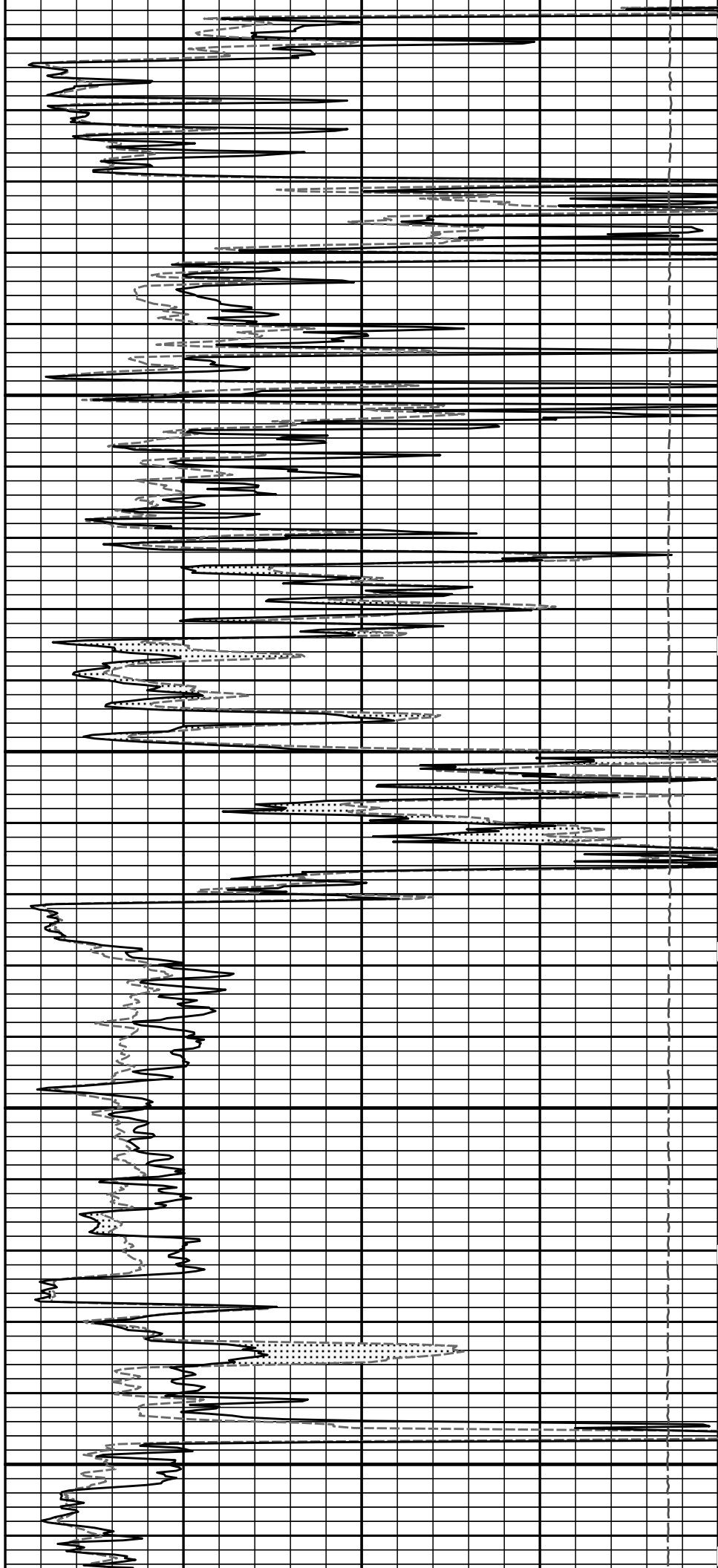
Service Ticket No.: 900230356				API Serial No.: 15-007-23984-00-00				PGM Version: WL INSITE R3.8.4 (Build 5)							
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE						RESISTIVITY SCALE CHANGES									
Date	Sample No.					Type Log	Depth	Scale Up Hole	Scale Down Hole						
Depth-Driller															
Type 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.						
Rmc @ Meas. Temp.		@		@			10800784								
Source Rmf	Rmc														
Rm @ BHT		@		@											
Rmf @ BHT		@		@											
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.		10673803		Serial No.		10735145	
Model No.		GTET		Model No.				Model No.		SDLT		Model No.		DSNT	
Diameter		3.625"		No. of Cent.				Diameter		5.3"		Diameter		3.625"	
Detector Model No.		GTET		Spacing				Log Type		GAM-GAM		Log Type		NEU-NEU	
Type		SCINT						Source Type		CS-137		Source Type		AM-241BE	
Length		8"		LSA [Y/N]				Serial No.		5073GW		Serial No.		DSN-436	
Distance to Source		N/A		FWDA [Y/N]				Strength		1.5 CI		Strength		15 CI	
LOGGING DATA															

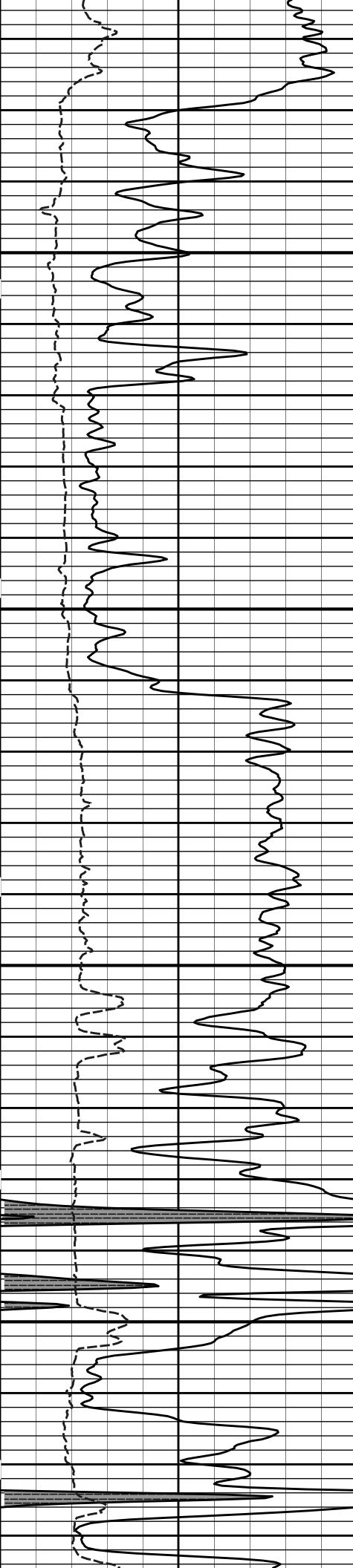




3300

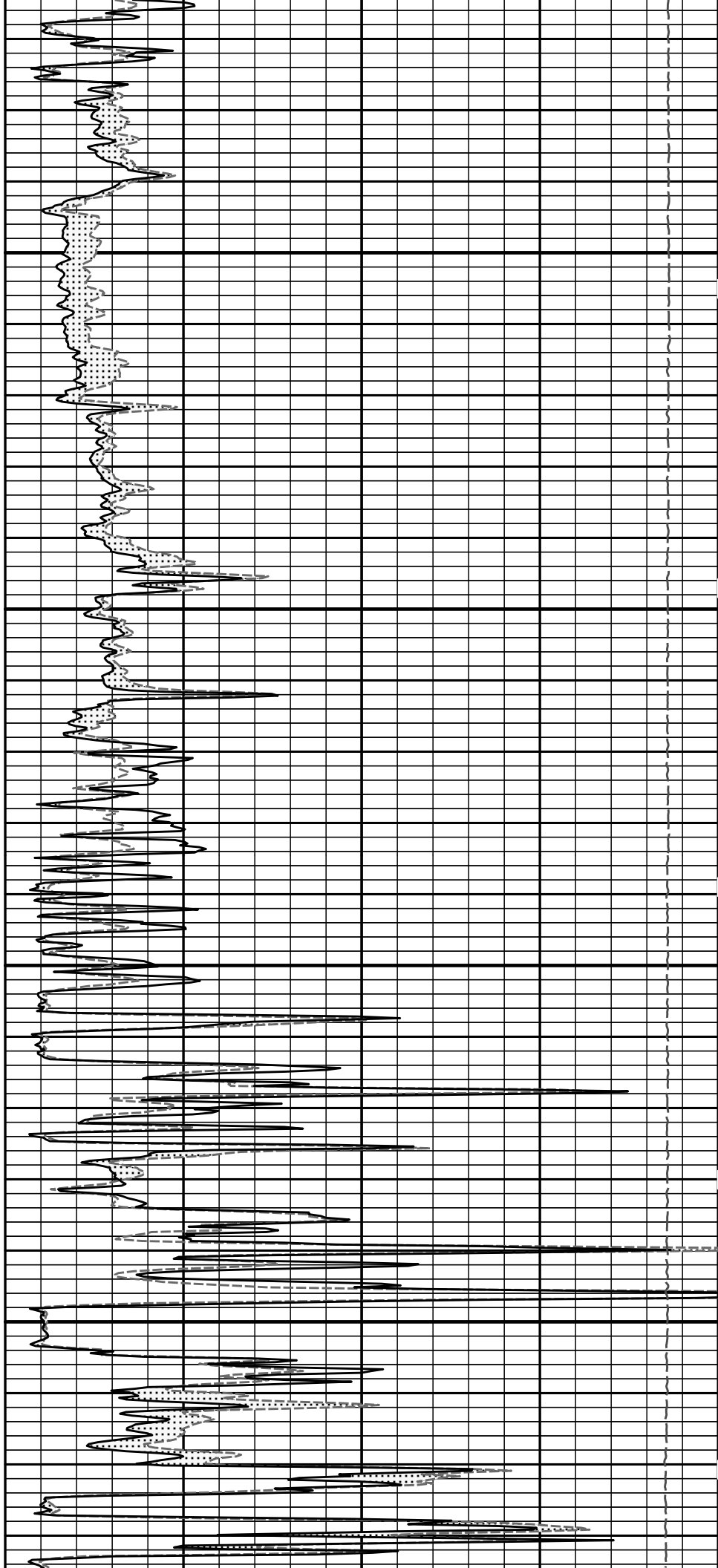
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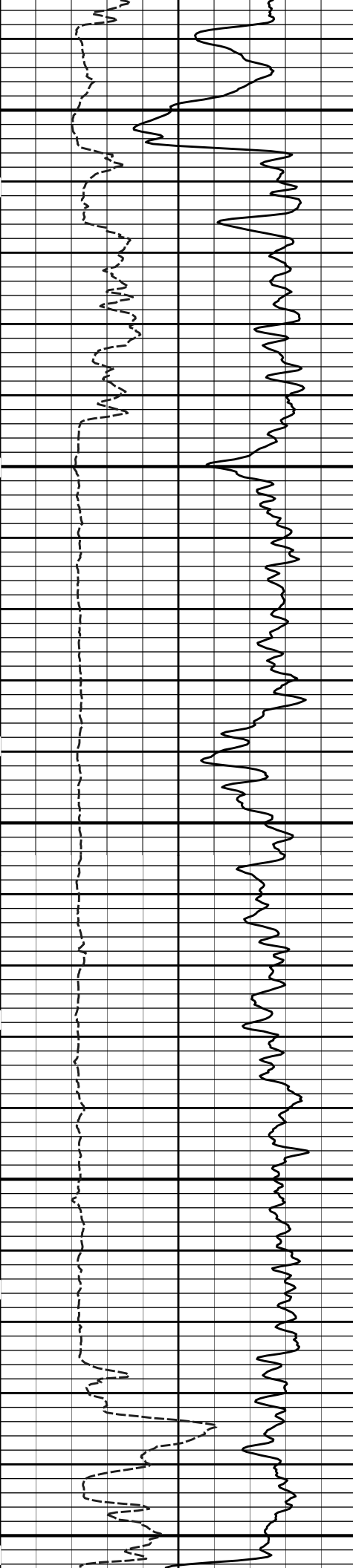




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3600

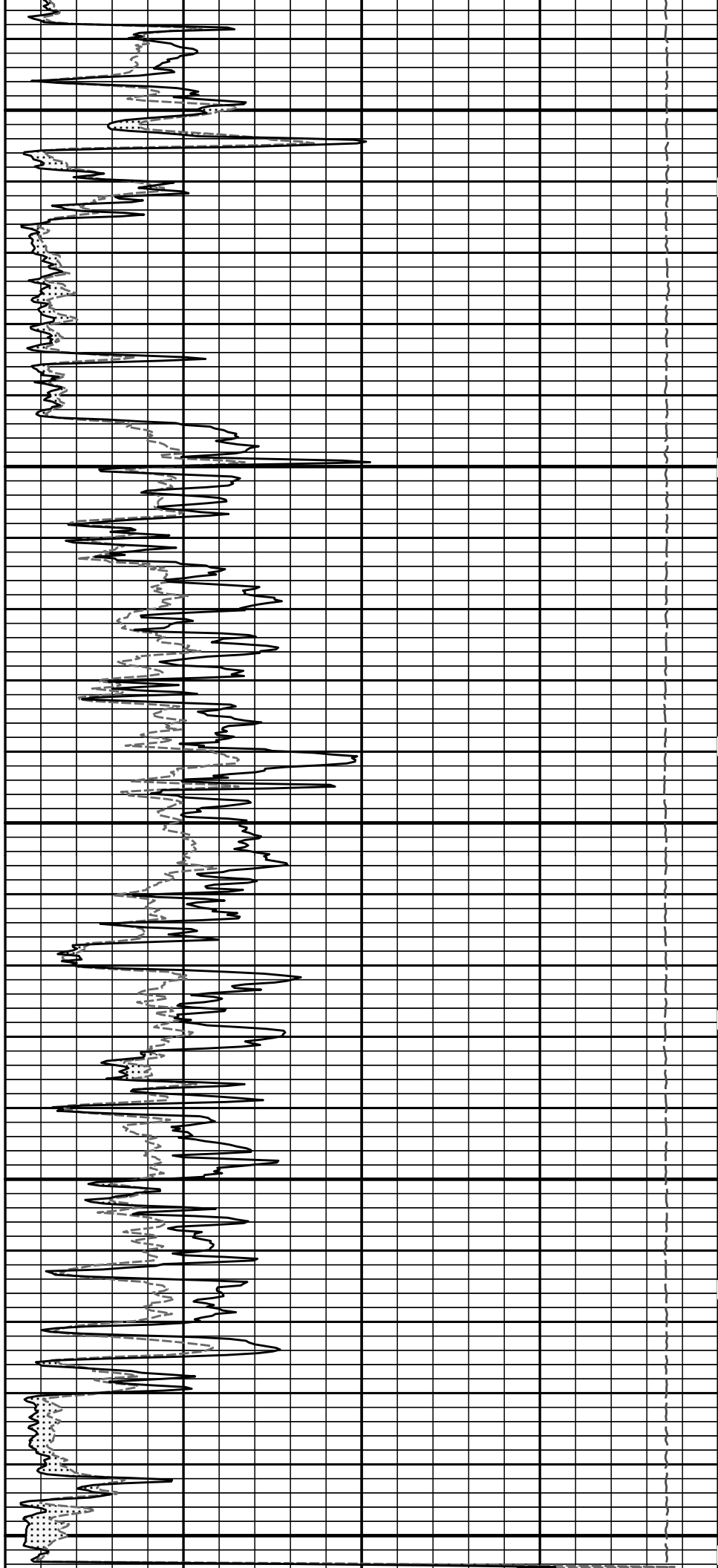


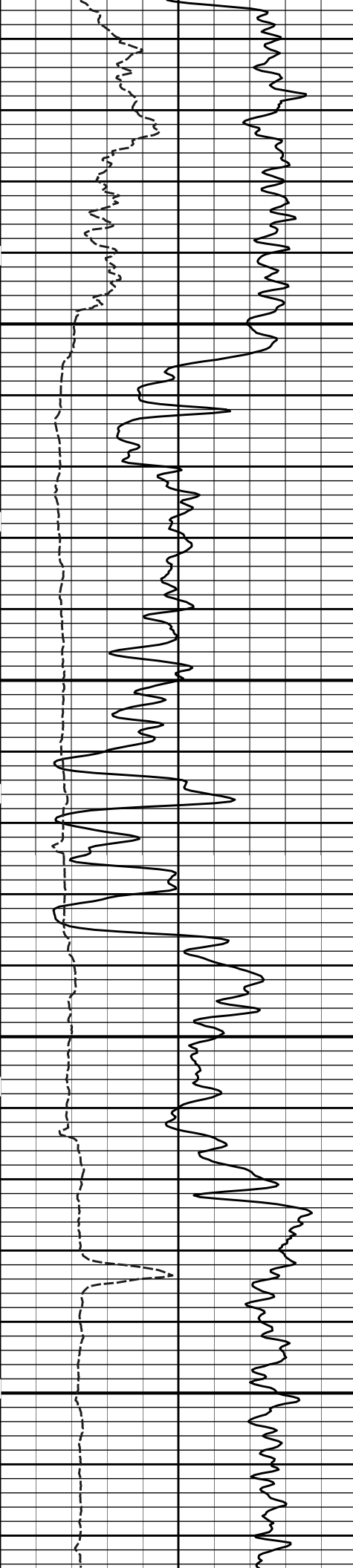


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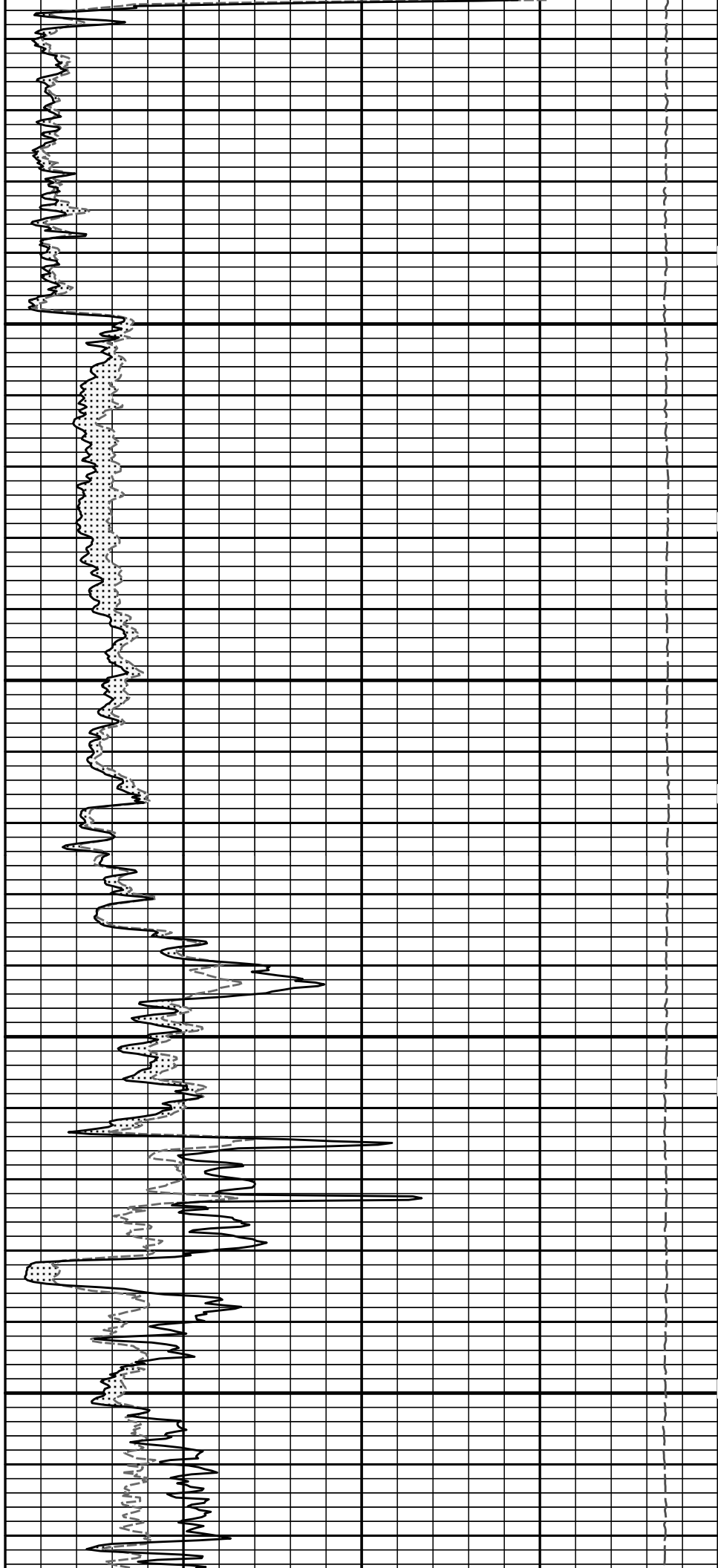
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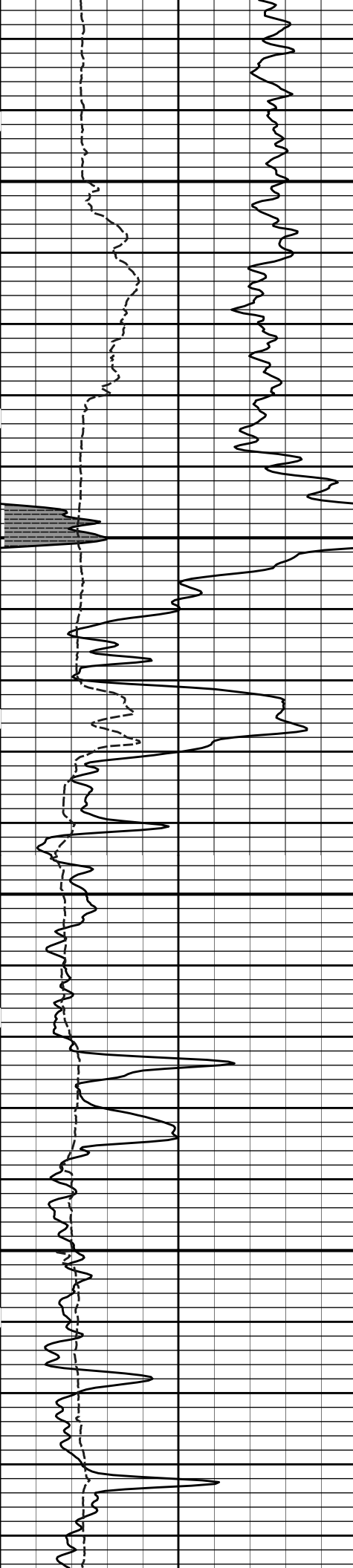




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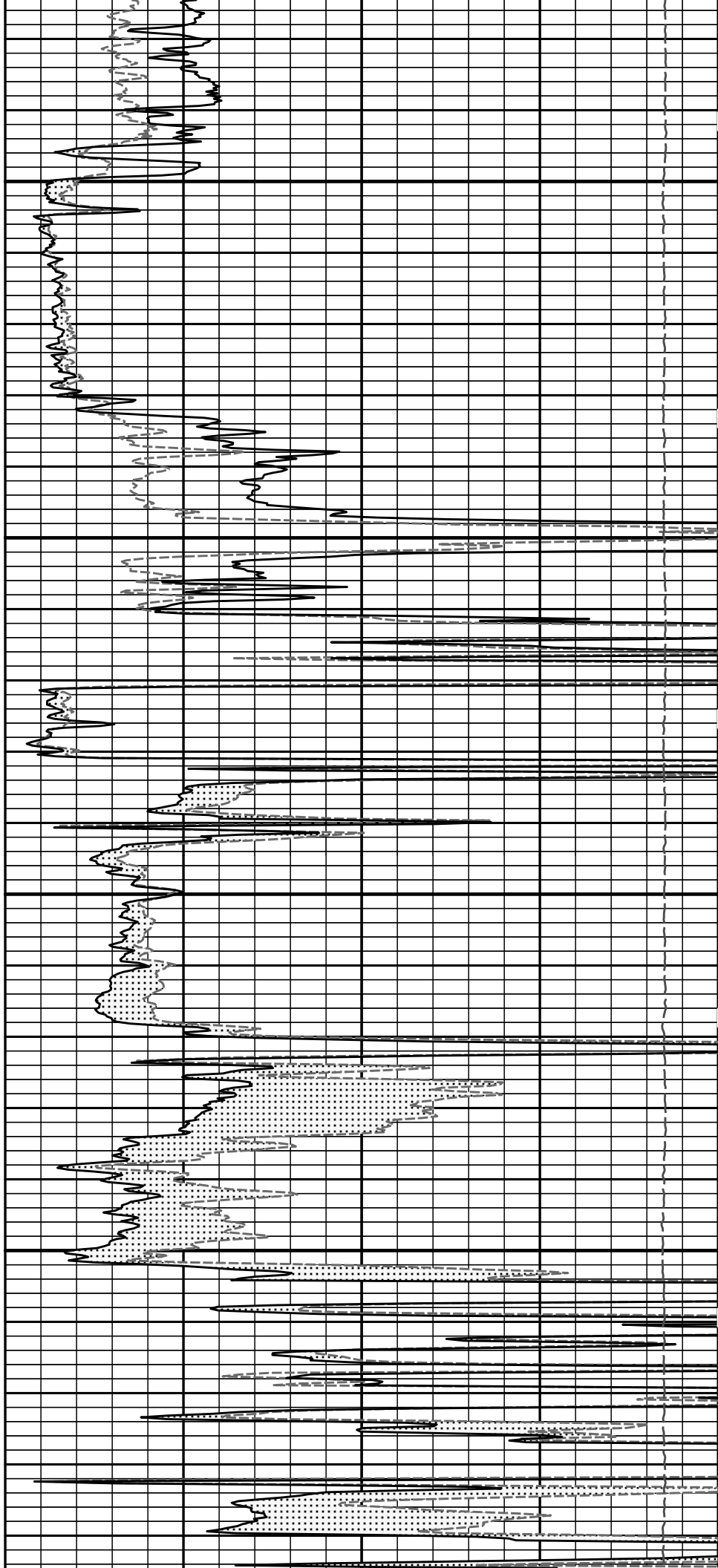
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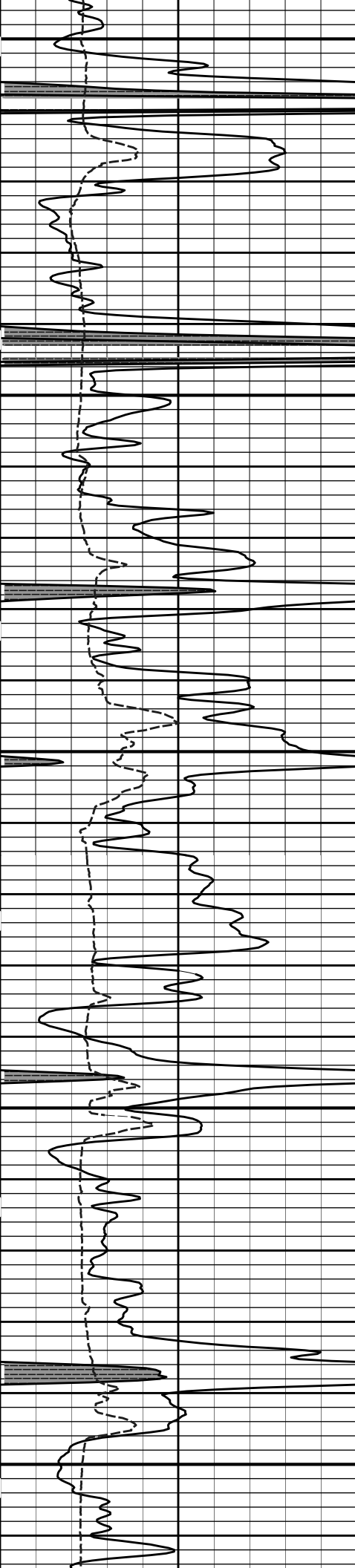




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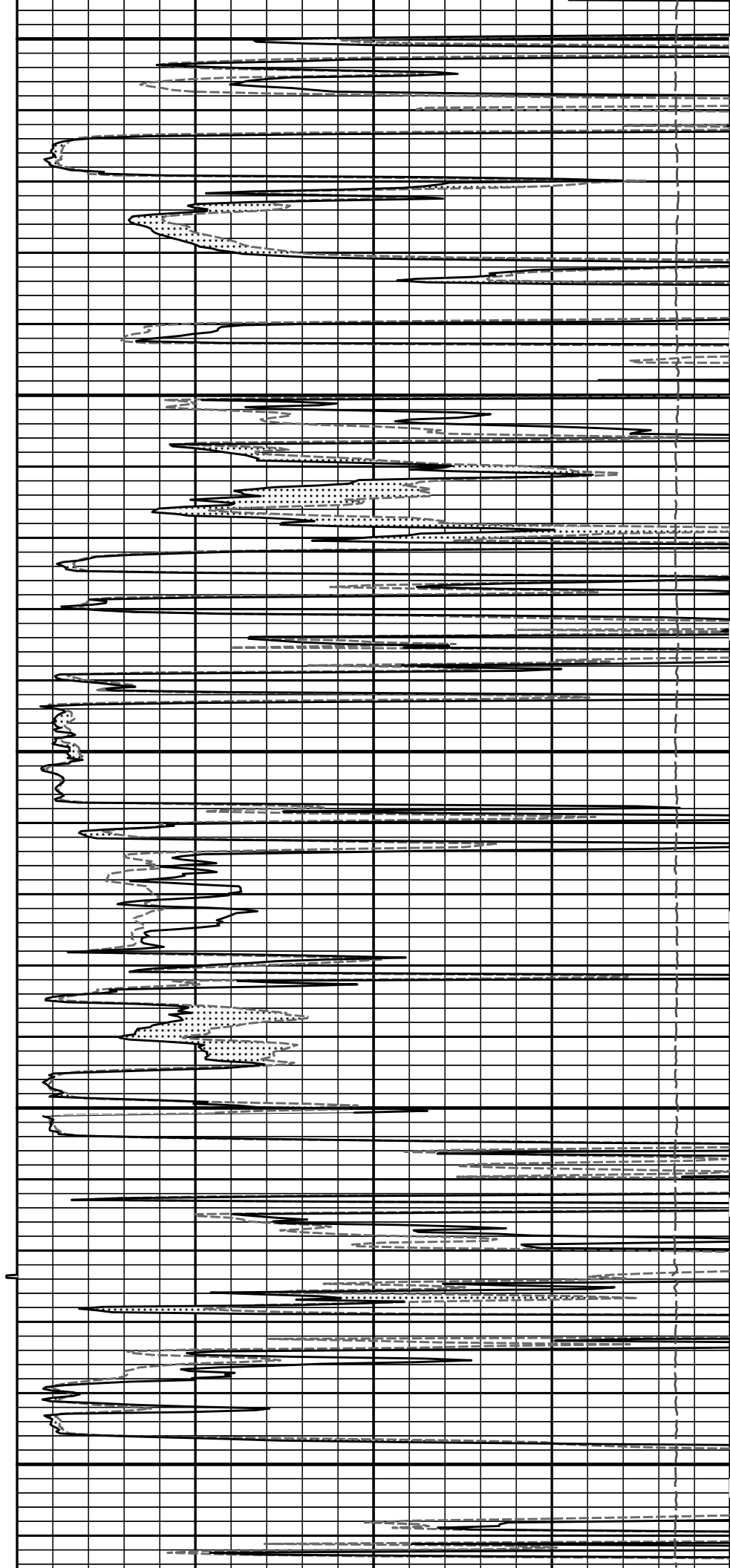
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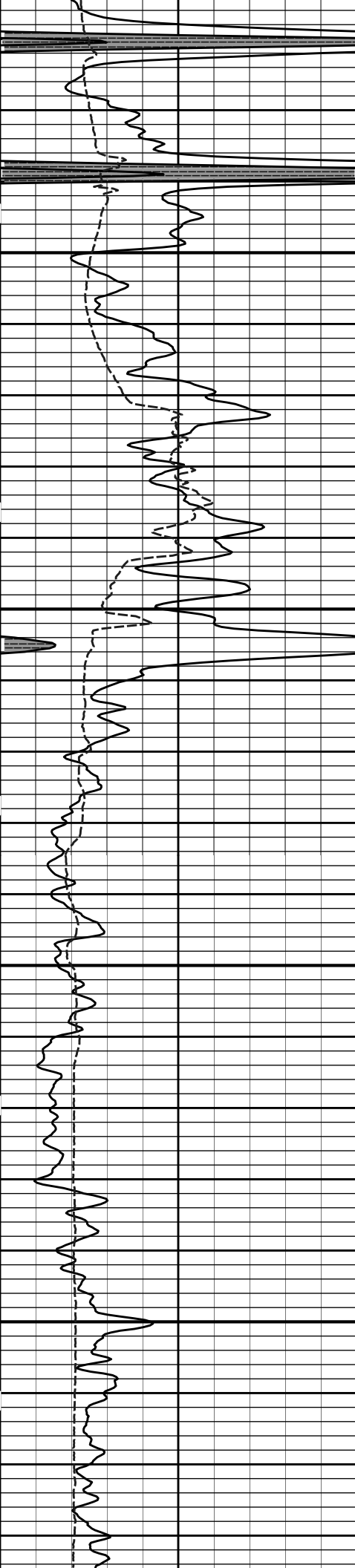




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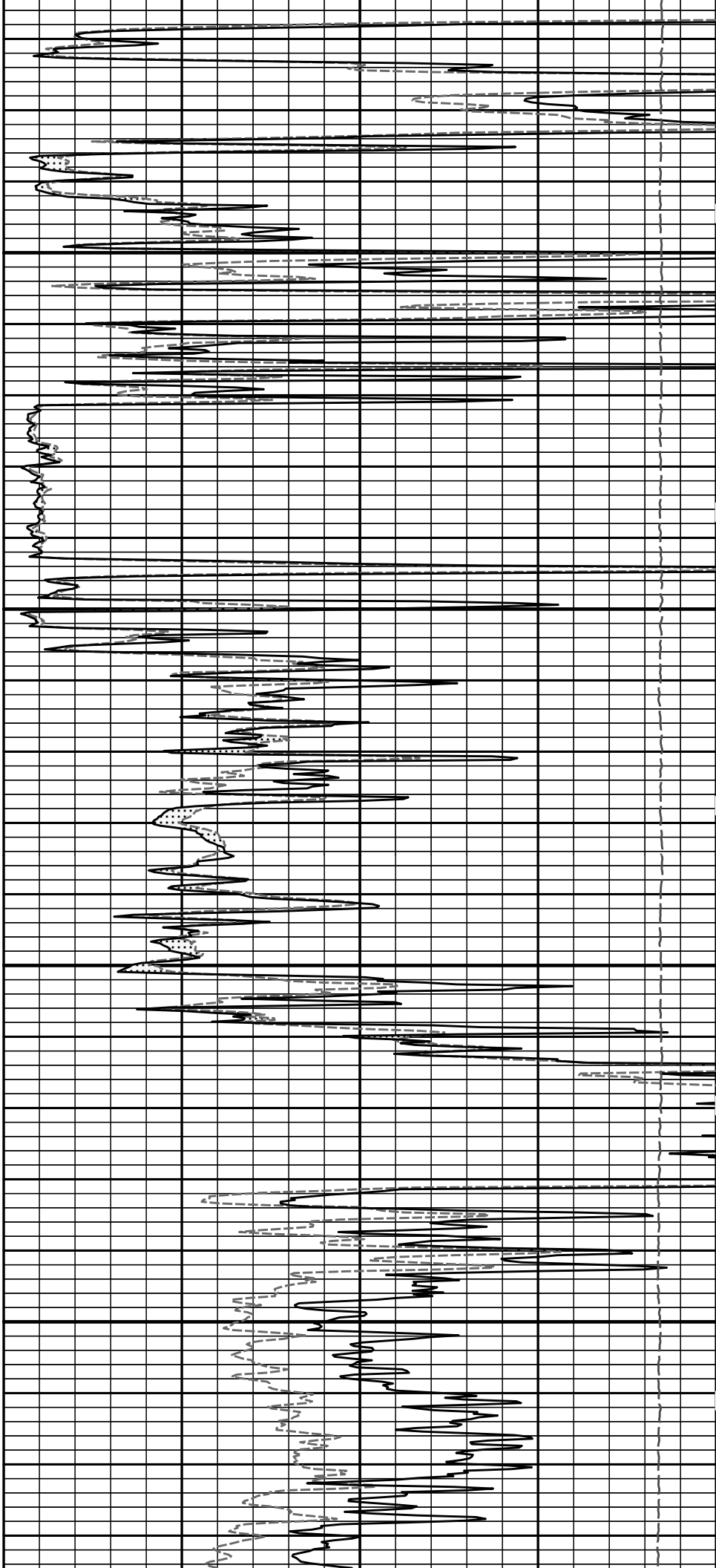
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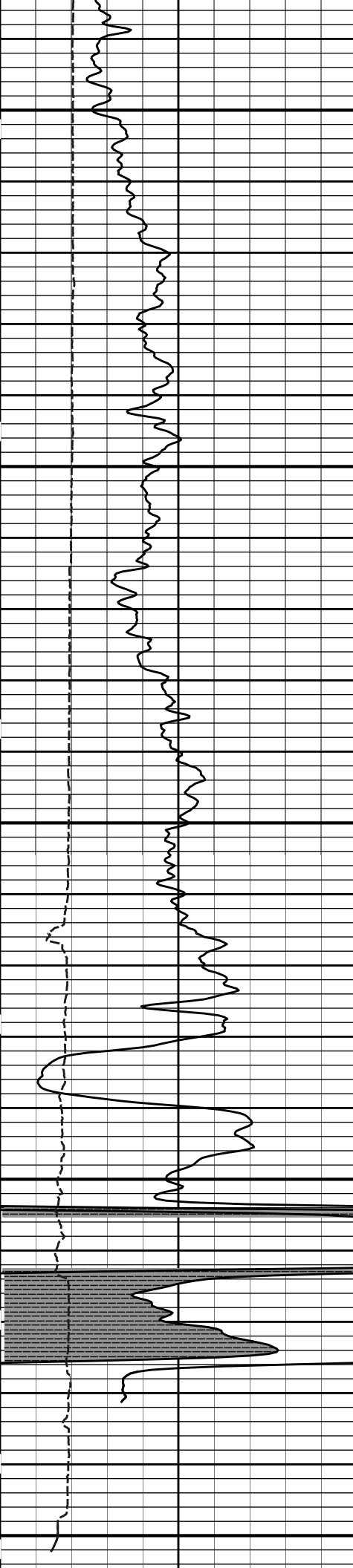




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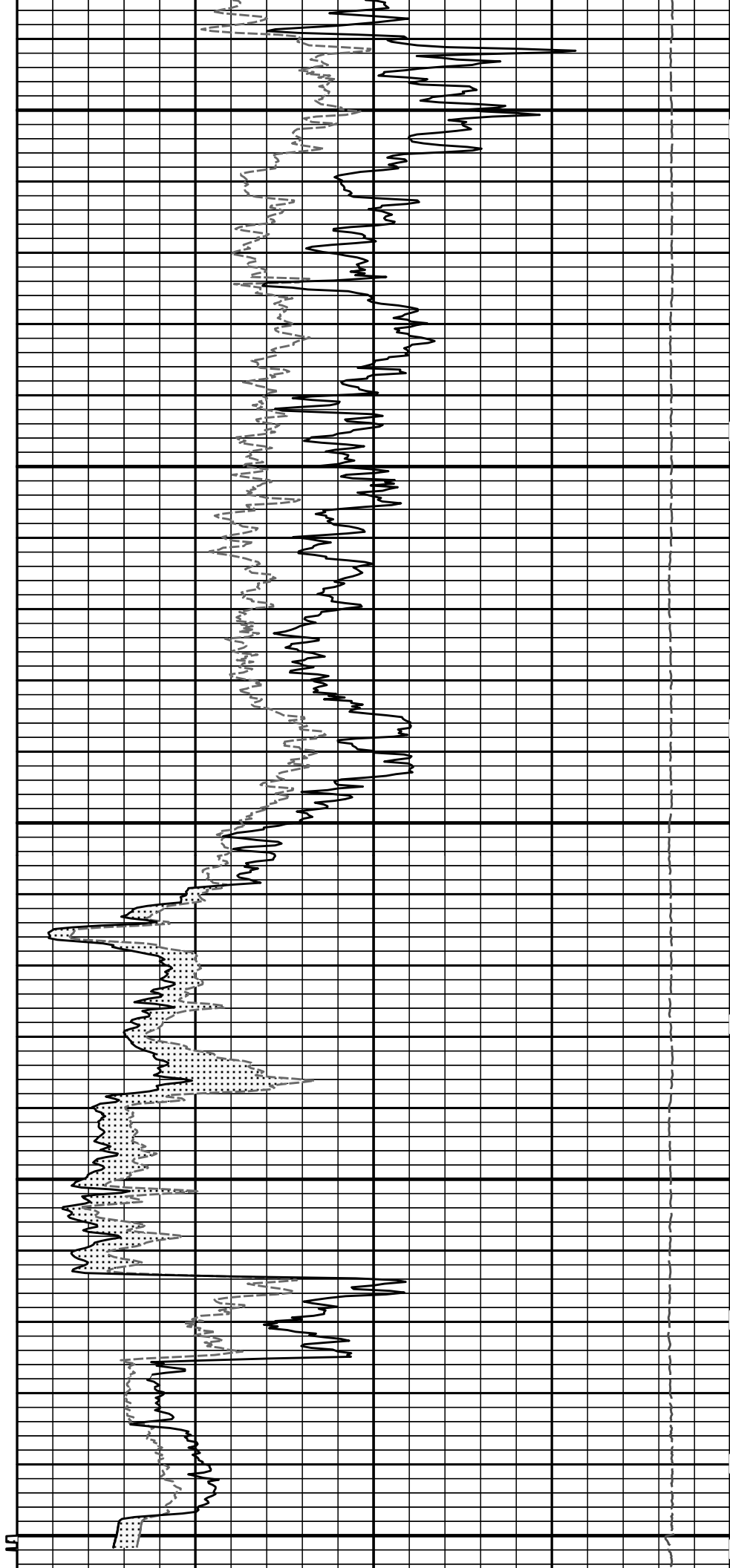


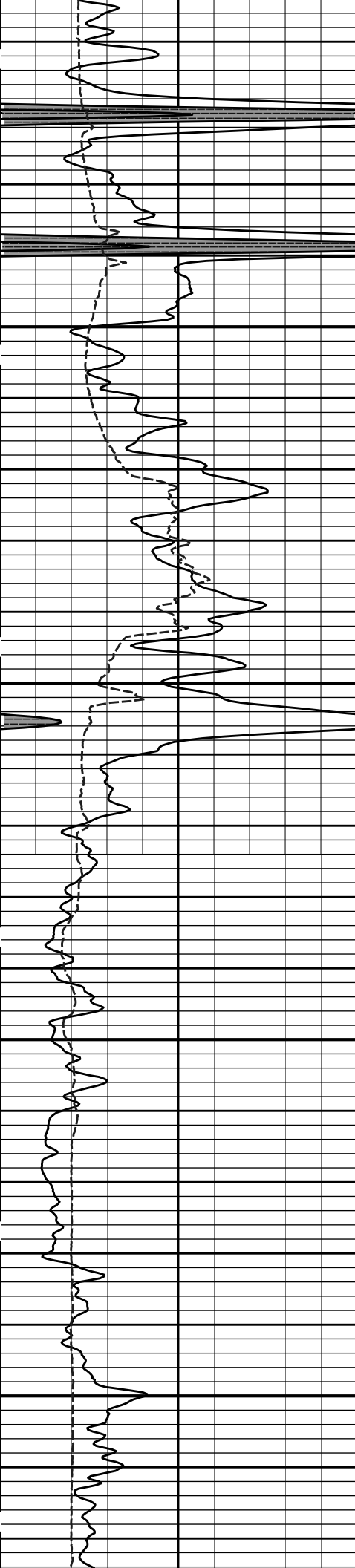


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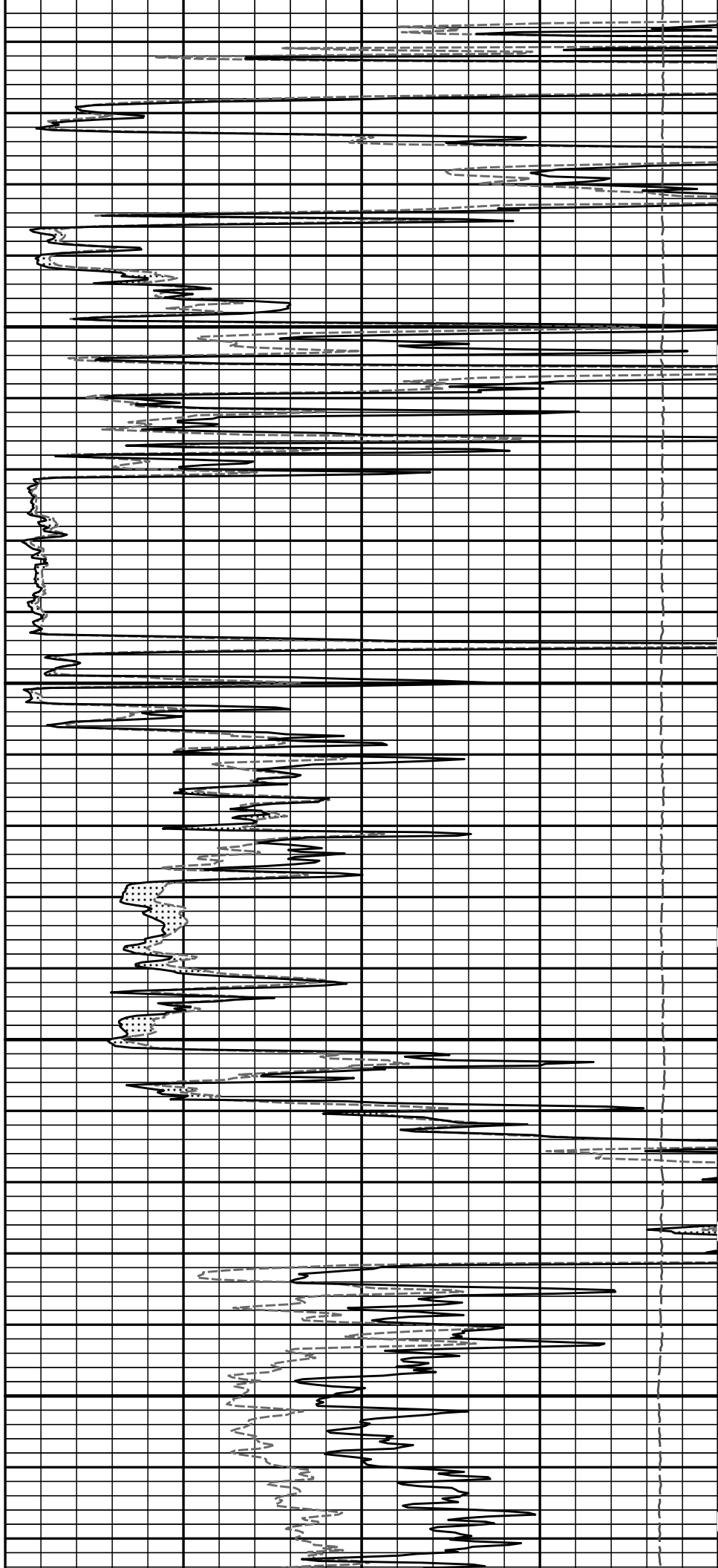
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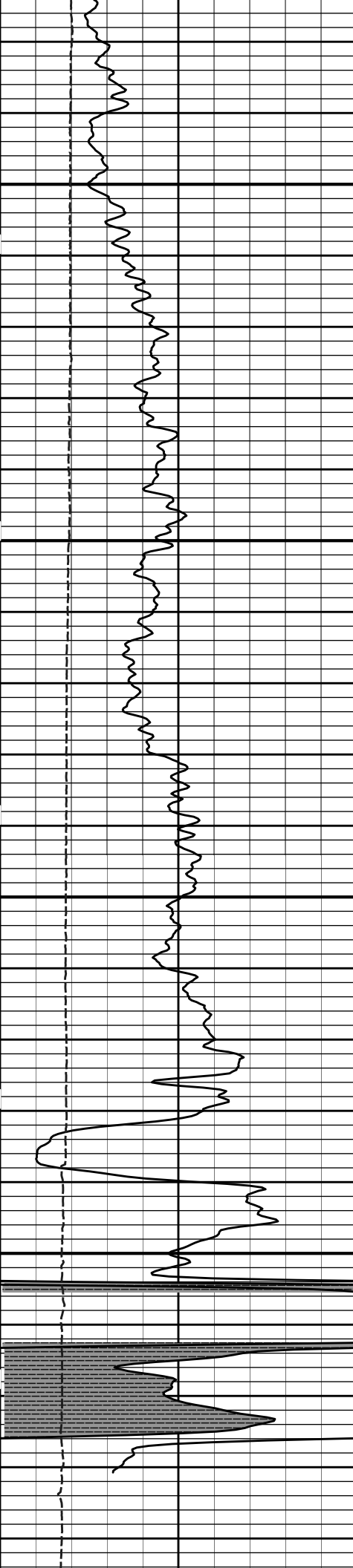




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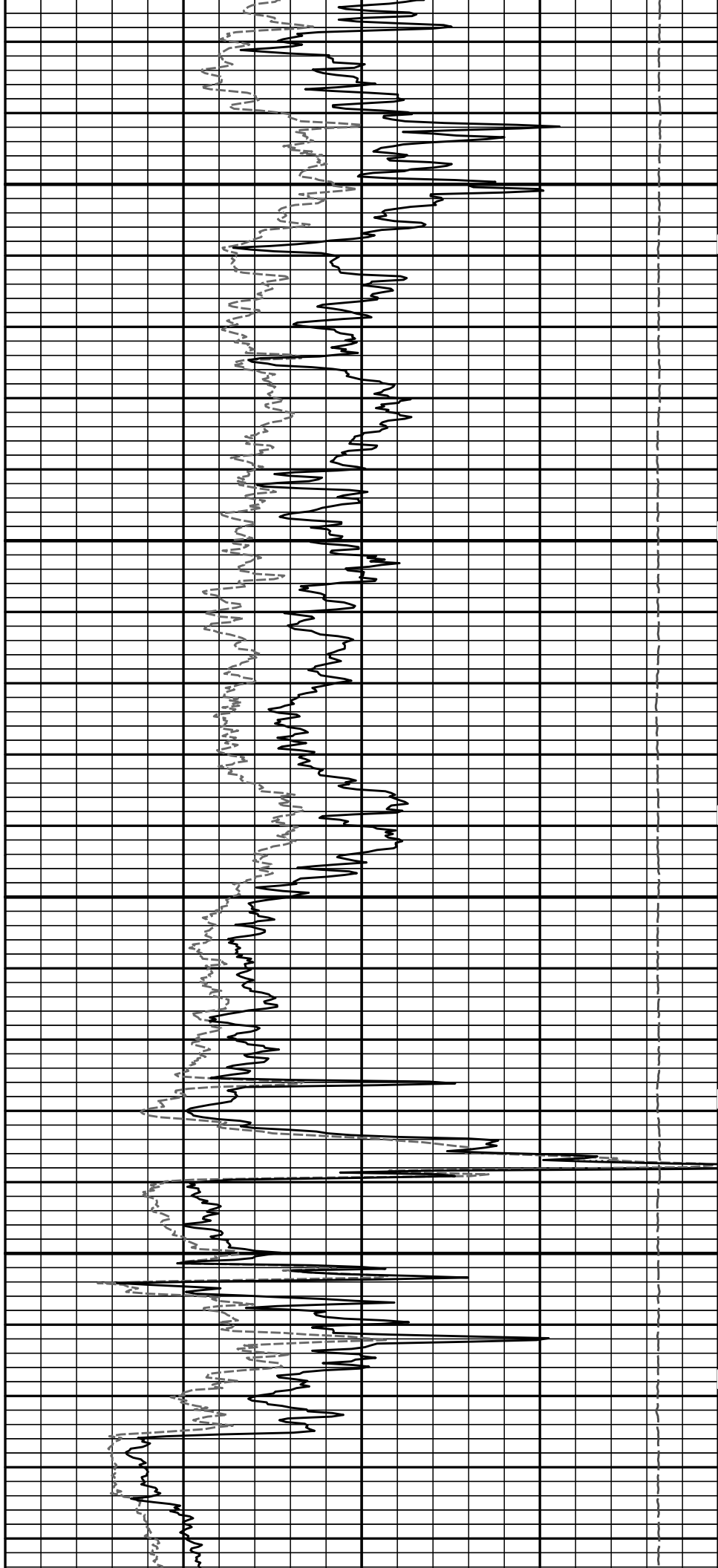
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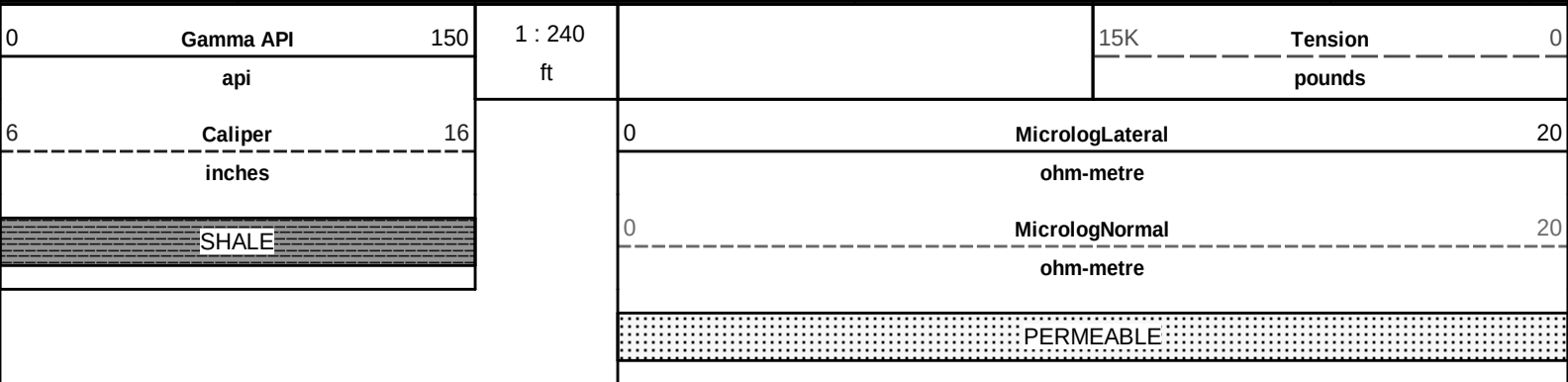
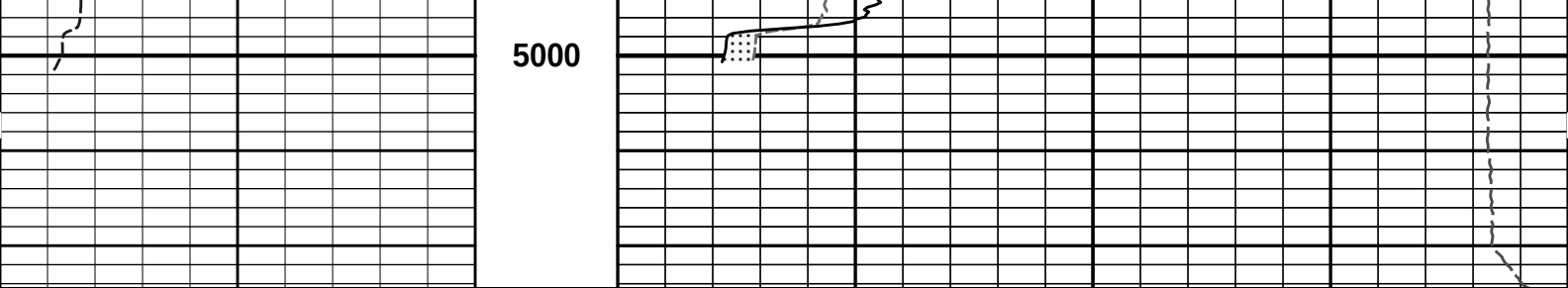




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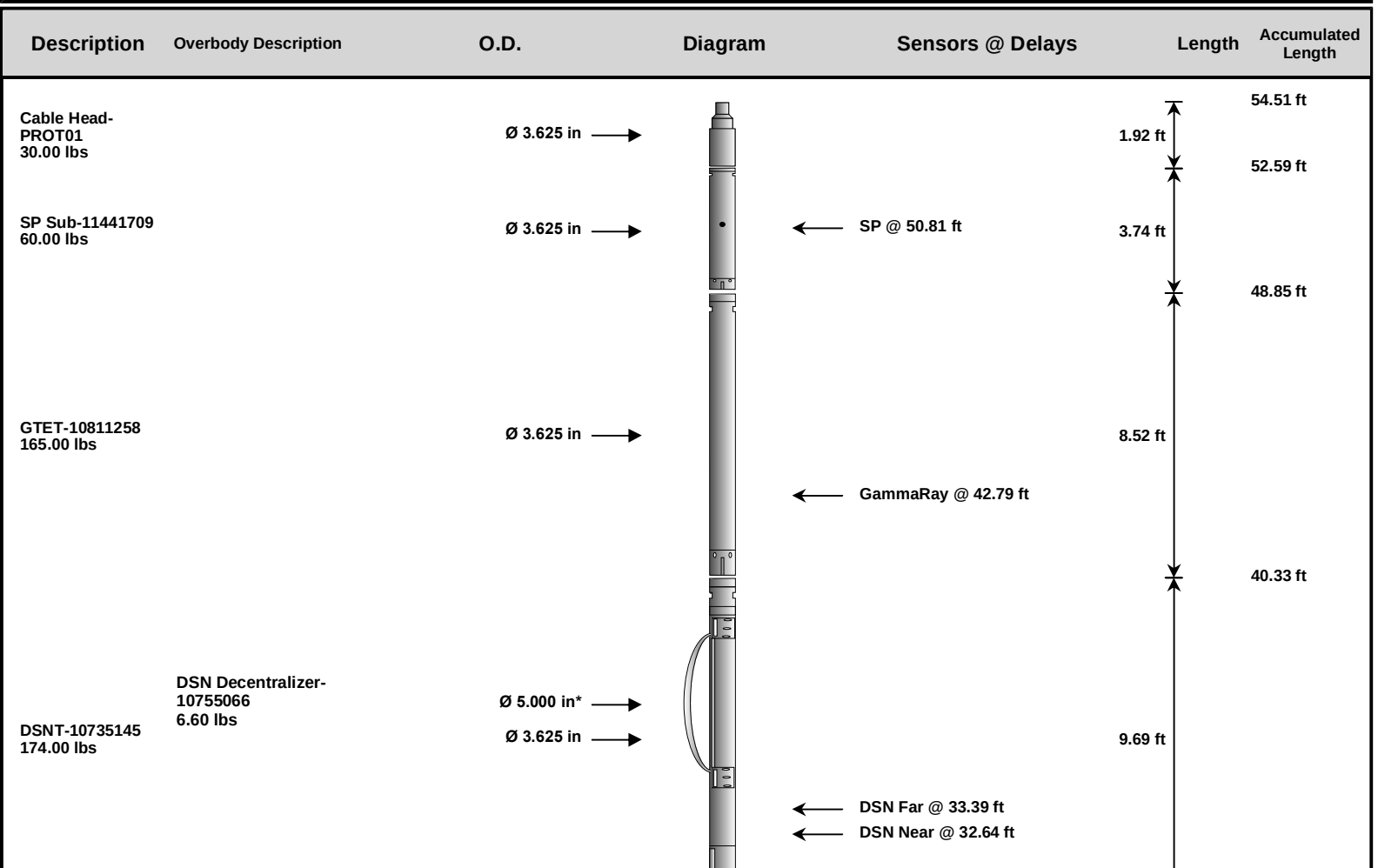
HALLIBURTON

Plot Time: 27-Feb-13 06:16:08
Plot Range: 4495 ft to 5024.5 ft
Data: HICKOCK_2-23\Well Based\HICKOCK_REPEAT\
Plot File: \\LOCAL\HICKOCK_2-23\0001 SP-GTET-DSNT-SDLT-ACRT-CH\MICROLOG\Microlog_IQ_5_rep_lib

REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT



SDLT-10673803
360.00 lbs

SDLT Pad-10673790
65.00 lbs
Microlog Pad-10673803
8.00 lbs

Ø 4.500 in
Ø 4.750 in*
Ø 4.750 in*

Microlog @ 22.83 ft
SDL Caliper @ 22.65 ft
SDL @ 22.64 ft

10.81 ft

30.64 ft

19.83 ft

ACRt Instrument-
I256
50.00 lbs

Regal Standoff 6_75-01
20.00 lbs

Ø 3.625 in
Ø 6.750 in*

5.03 ft

14.80 ft

← Mud Resistivity @ 13.44 ft

← ACRt @ 9.46 ft

ACRt Sonde-
10800784
200.00 lbs

Ø 3.625 in

14.22 ft

Cabbage Head-
TRK954
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	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		10735145	174.00	9.69	30.64	60.00	
DCNT	DSN Decentralizer		10755066	6.60	5.13	*	33.97	300.00
SDLT	Spectral Density Tool		10673803	360.00	10.81	19.83	60.00	
SDLP	Density Insite Pad		10673790	65.00	2.55	*	22.04	60.00
MICP	Microlog Pad		10673803	8.00	1.00	*	22.33	60.00
ACRt	Array Compensated True Resistivity Instrument Section		I256	50.00	5.03	14.80	300.00	
RSOF	Regal Standoff 6.75in		01	20.00	0.52	*	17.02	300.00
ACRt	Array Compensated True Resistivity Sonde Section		10800784	200.00	14.22	0.58	300.00	
CBHD	Cabbage Head		TRK954	10.00	0.58	0.00	300.00	
Total				1,148.60	54.51			
* Not included in Total Length and Length Accumulation.								
Data: HICKOCK_2-23\0001 SP-GTET-DSNT-SDLT-ACRT-CH\IDLE								
Date: 27-Feb-13 02:52:44								

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	9.400	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	1.000	ohmm
	SHARED	TRM	Temperature of Mud	75.0	degF
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	5.500	in
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	5025.00	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	DSNO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
	DSNT	DNTP	Temperature Correction Type	None	
	DSNT	DPRS	DSN Pressure Correction Type	None	
	DSNT	SHCO	View More Correction Options	No	
	DSNT	UTVD	Use TVD for Gradient Corrections?	No	
	DSNT	LHWT	Logging Horizontal Water Tank?	No	
	SDLT	CLOK	Process Caliper Outputs?	Yes	
	SDLT Pad	DNOK	Process Density?	Yes	
	SDLT Pad	DNOK	Process Density EVR?	No	
	SDLT Pad	CB	Logging Calibration Blocks?	No	
	SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
	SDLT Pad	DTWN	Disable temperature warning	No	
	SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc
	SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc

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	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
BOTTOM				
Data: HICKOCK_2-23\0001 SP-GTET-DSNT-SDLT-ACRT-CH\005 27-Feb-13 04:20 Up @5025.3f				Date: 27-Feb-13 05:39:59

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:GTET - 10811258

Engineer:S. INGERSOLL

Software Version:WL INSITE R3.8.4 (Build 5)

Reference Calibration Date:03-Feb-13 11:19:35

Calibration Date:25-Feb-13 11:26:12

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	48.8	49.5	api
Background + Calibrator	277.1	281.5	api
Calibrator	228.3	232.0	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:GTET - 10811258

Engineer:S. INGERSOLL

Software Version:WL INSITE R3.8.4 (Build 5)

Reference Calibration Date:25-Feb-13 11:26:12

Calibration Date:26-Feb-13 21:32:48

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	49.5	70.8	api
Background + Calibrator	281.5	306.0	api
Calibrator	232.0	235.2	api

Shop	Field	Difference	Tolerance
232.0	235.2	-3.2	+/- 9.00

DENSITY CALIPER SHOP CALIBRATION

Tool Name:SDLT - 10673803

Engineer:THOMAS HYDE

Software Version:WL INSITE R3.8.4 (Build 5)

Host Tool Name:DSNT - 10735145

Reference Calibration Date:09-Feb-13 15:25:44

Calibration Date:09-Feb-13 15:29:50

Calibration Version:1

CALIBRATION COEFFICIENTS

Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-3410.88	-3449.43	-7000.00 - -1000.00
Pad Gain	0.0003729	0.0003746	0.000200 - 0.000600
Arm Offset	-4331.74	-4330.36	-5000.00 - 3000.00
Arm Gain	0.0005272	0.0005237	0.000300 - 0.000700
Arm Power	-0.000005949	-0.000005644	-0.000010000 - 0.000010000

The ring diameter is computed from: DIAMETER = PAD EXTENSION + ARM EXTENSION + TOOL DIAMETER

Tool Diameter: 4.50 in

CALIBRATION RINGS					
Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change	Control Limit On New Value	
PAD EXTENSION:					
Small Ring (in)	2.01	2.00	-0.01	+/- 0.20	
Medium Ring (in)	3.75	3.75	0.00	+/- 0.20	
RING DIAMETER:					
Small Ring (in)	6.52	6.50	-0.02	+/- 0.20	
Medium Ring (in)	8.28	8.25	-0.03	+/- 0.20	
Large Ring (in)	15.00	15.00	0.00	+/- 0.20	

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

PASS/FAIL SUMMARY		
Calibration-Coefficients Range Check:		Passed

SDLT CALIPER FIELD CALIBRATION					
Tool Name:	SDLT - 10673803			Reference Calibration Date:	09-Feb-13 15:29:50
Engineer:	S. INGERSOLL			Calibration Date:	26-Feb-13 21:38:21
Software Version:	WL INSITE R3.8.4 (Build 5)			Calibration Version:	1

MEASURED CALIPER VALUES					
Measurement	Shop	Field	Change	Control Limit On New Value	
Pad Extension	3.75	3.80	0.05	+/- 0.10	
Ring Diameter	8.25	8.22	-0.03	+/- 0.15	

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

MICRO LOG SHOP CALIBRATION					
Tool Name:	Microlog Pad - 10673803			Reference Calibration Date:	17-Jan-13 12:59:59
Engineer:	THOMAS HYDE			Calibration Date:	09-Feb-13 15:20:52
Software Version:	WL INSITE R3.8.4 (Build 5)			Calibration Version:	1
Host Tool Name:	DSNT - 10735145				

CALIBRATION COEFFICIENT SUMMARY					
Measurement	Micro Log Normal		Micro Log Lateral		Units
	Measured	Calibrated	Measured	Calibrated	
Tool Zero	-0.08	0.01	-0.01	-0.01	ohmm
Calibration Point #1	-0.09	0.00	0.00	0.00	ohmm
Calibration Point #2	19.96	20.00	19.97	20.00	ohmm
Internal Reference	19.91	19.94	19.98	20.00	ohmm

Measurement	Micro Log Normal Tool Value		Micro Log Lateral Tool Value		Units
Tool Zero	-0.03		0.27		V
Calibration Point #1	-2.33		5.27		V
Calibration Point #2	5380.47		6998.19		V
Internal Reference	5365.48		6999.46		V

MICRO LOG FIELD CHECK			
Tool Name:	Microlog Pad - 10673803	Reference Calibration Date:	09-Feb-13 15:20:52
Engineer:	S. INGERSOLL	Calibration Date:	26-Feb-13 21:32:25
Software Version:	WL INSITE R3.8.4 (Build 5)	Calibration Version:	1

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Shop	Field	Shop	Field	
Tool Zero	0.01	0.01	-0.01	-0.01	ohmm
Internal Reference	19.94	19.94	20.00	20.00	ohmm

Summary				
Signal	Shop	Field	Difference	Tolerance
Microlog Normal	19.94	19.94	0.00	+/- 0.80
Microlog Lateral	20.00	20.00	0.00	+/- 0.80

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-10811258						
Gamma Ray Calibrator	232.0	235.2	-----	-3.2	+/- 9.00	api
SDLT-10673803						
Pad Extension	3.75	3.80	-----	-0.05	+/-0.10	in
Ring Diameter	8.25	8.22	-----	0.03	+/-0.15	in
Microlog Pad-10673803						
MicroLog Normal	19.94	19.94	-----	0.00	+/-0.80	ohmm
MicroLog Lateral	20.00	20.00	-----	0.00	+/-0.80	ohmm

Data: HICKOCK_2-23\0001 SP-GTET-DSNT-SDLT-ACRT-CH\005 27-Feb-13 04:20 Up @5025.3f				Date: 27-Feb-13 05:39:13	
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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 Current Raw 12K X Receiver	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: HICKOCK_2-23\0001 SP-GTET-DSNT-SDLT-ACRT-CH\005 27-Feb-13 04:20 Up @5025.3f			Date: 27-Feb-13 05:37:21	
COMPANY	VAL ENERGY			
WELL	HICKOCK 2-23			
FIELD	UNKNOWN			

COUNTY	BARBER	STATE	KANSAS
HALLIBURTON		MICROLOG	