

MICROLOG

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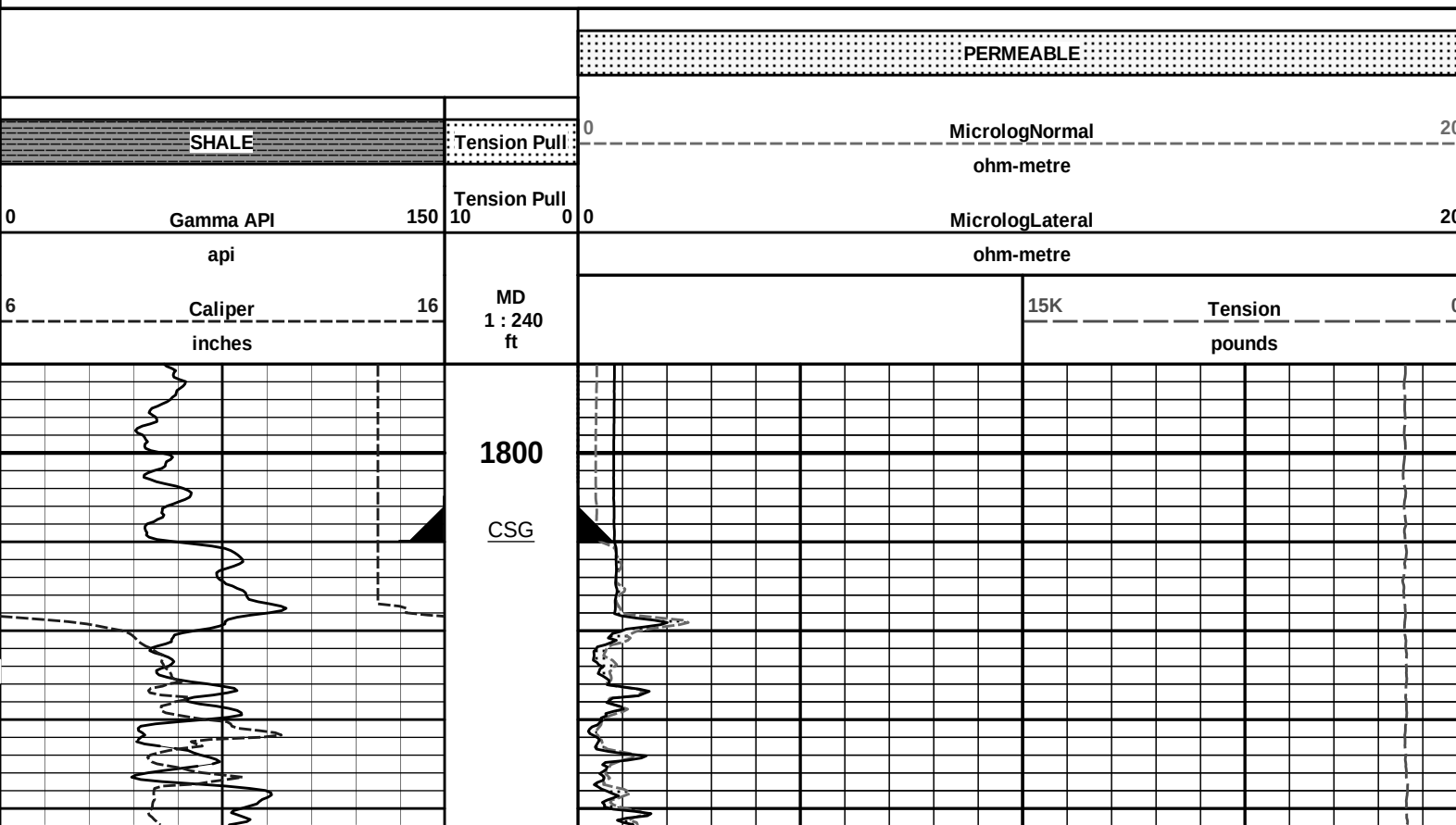
LOGGING DATA

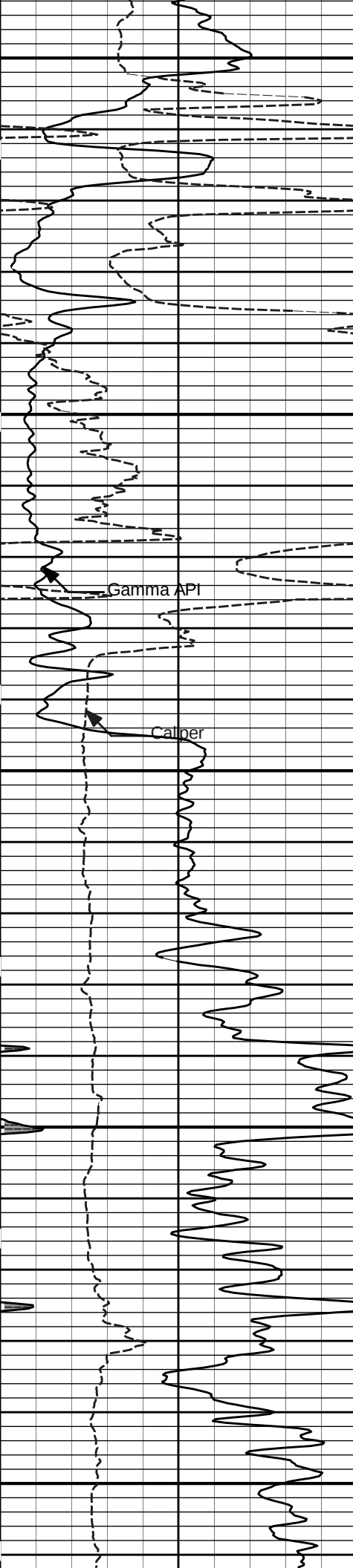
GENERAL	GAMMA	ACQUSTIC	PERCUTAN	NEUTRON
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GENERAL			GAMMA		ACOUSTIC		DENSITY		NEUTRON					
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	5100	1810	REC	0	150									
DIRECTIONAL INFORMATION														
Maximum Deviation @								KOP @						
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5-INCH CASING														
LCM REPORTED AT 2 LB/BBL														
CHLORIDES REPORTED 1700 MG/L														
POST TOOL SURVEYS NOT PERFORMED DUE TO TEMPERATURE														
TODAY'S CREW: K. KING, V. JAIME														
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES LIBERAL, KS. 620-624-8123														
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.														
HALLIBURTON														

HALLIBURTON	Plot Time: 04-Mar-12 04:46:06 Plot Range: 1790 ft to 5103 ft Data: GARDEN_CITY_T_2\Well Based\DETAIL\ Plot File: \\LOCAL-IGARDEN_CITY_T_2\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\MICRO\Microlog_IQ_5_main.lib
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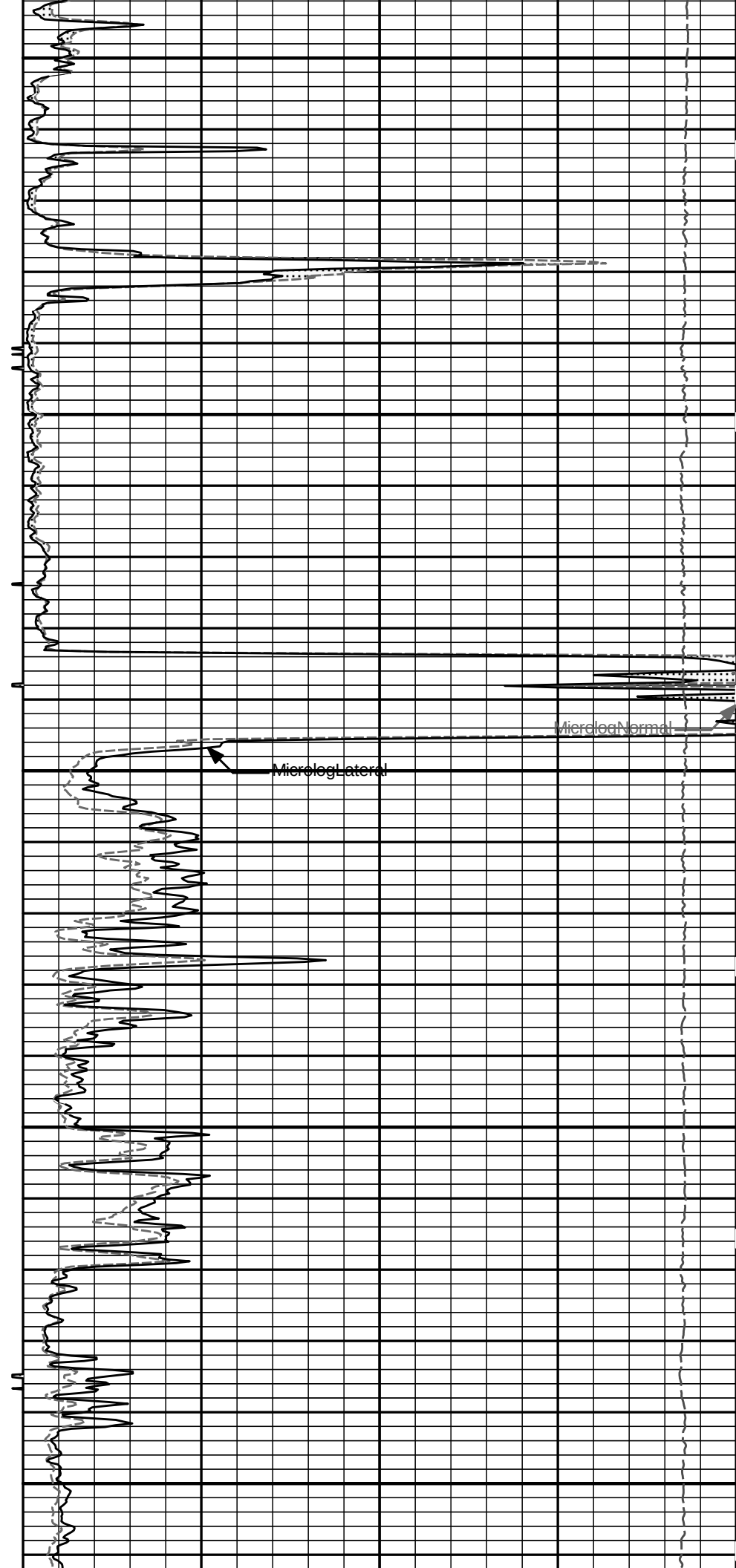
5 INCH MAIN LOG

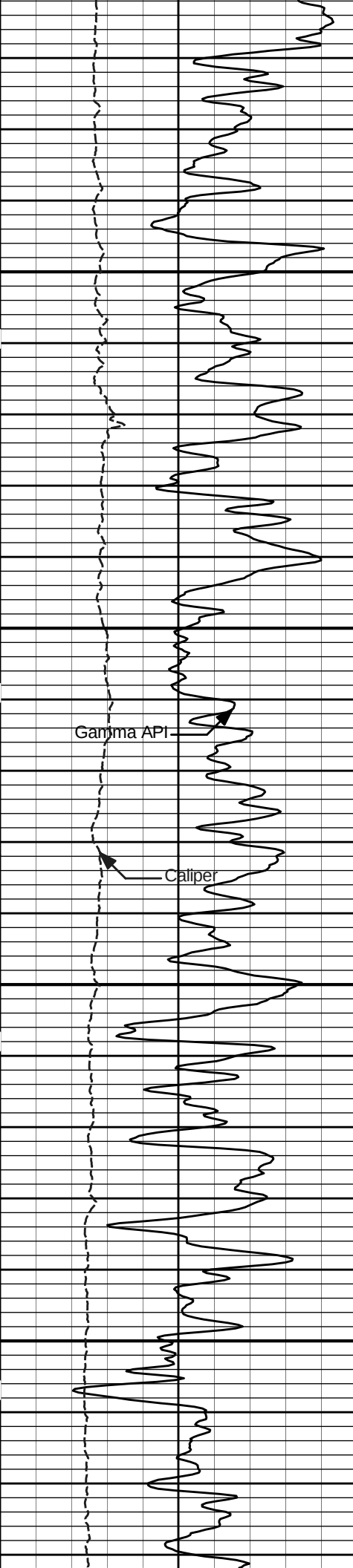




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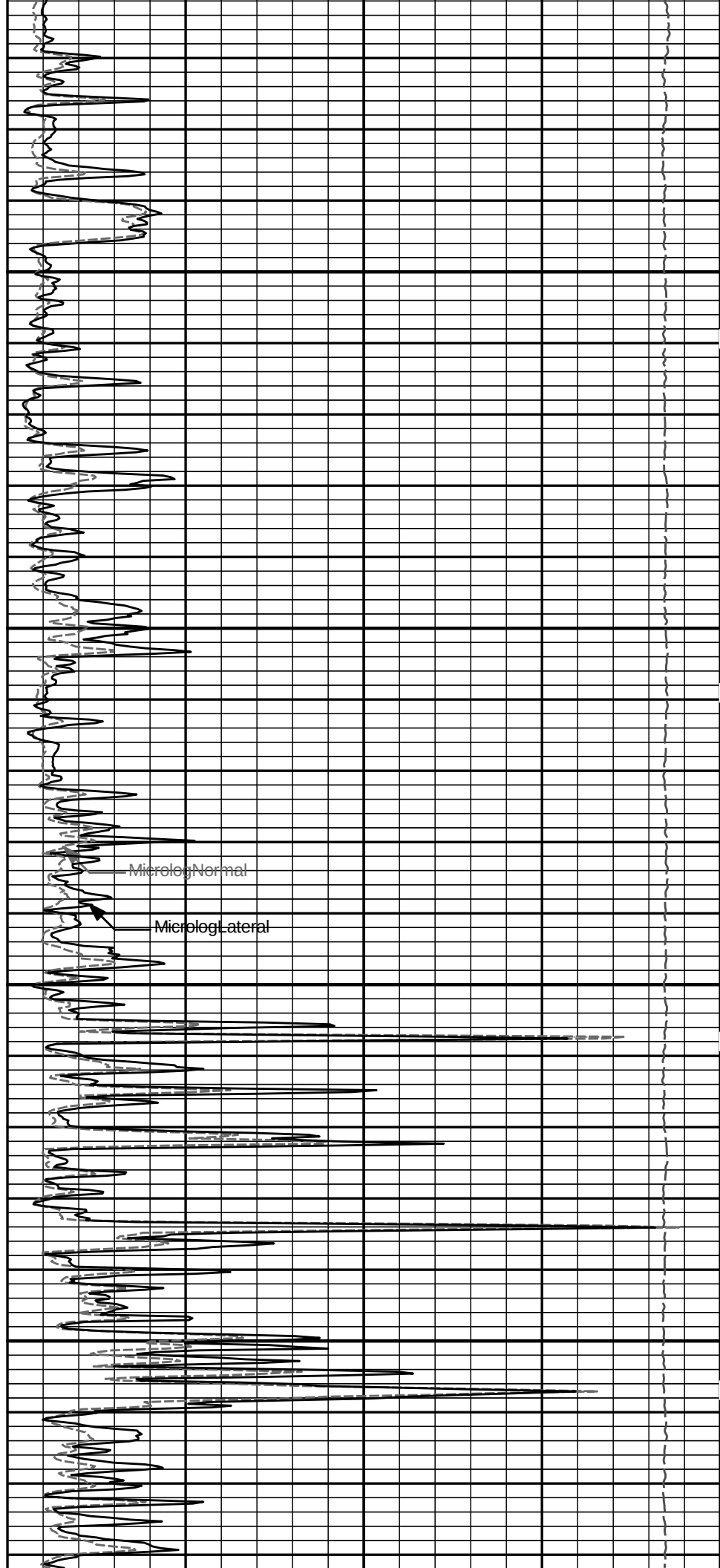
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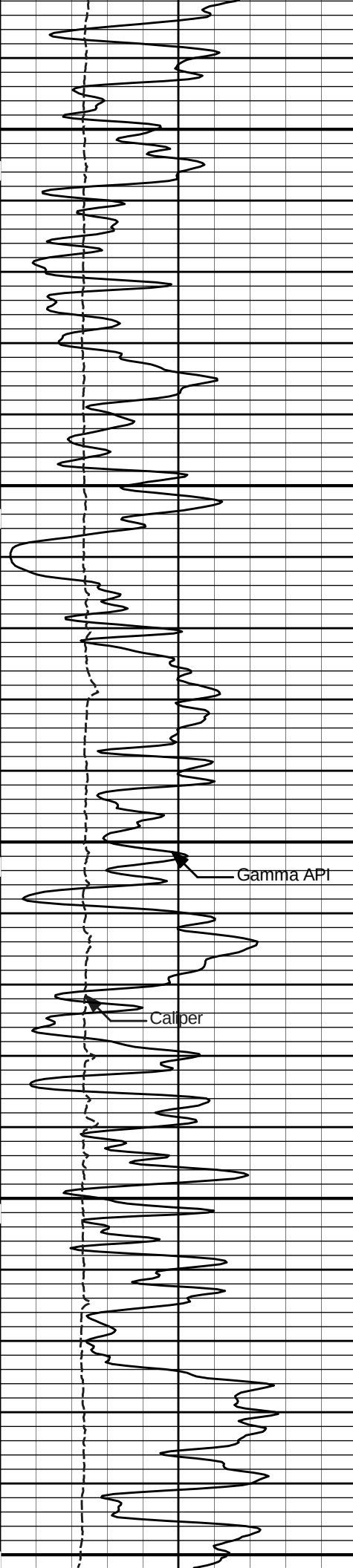




2100

2200





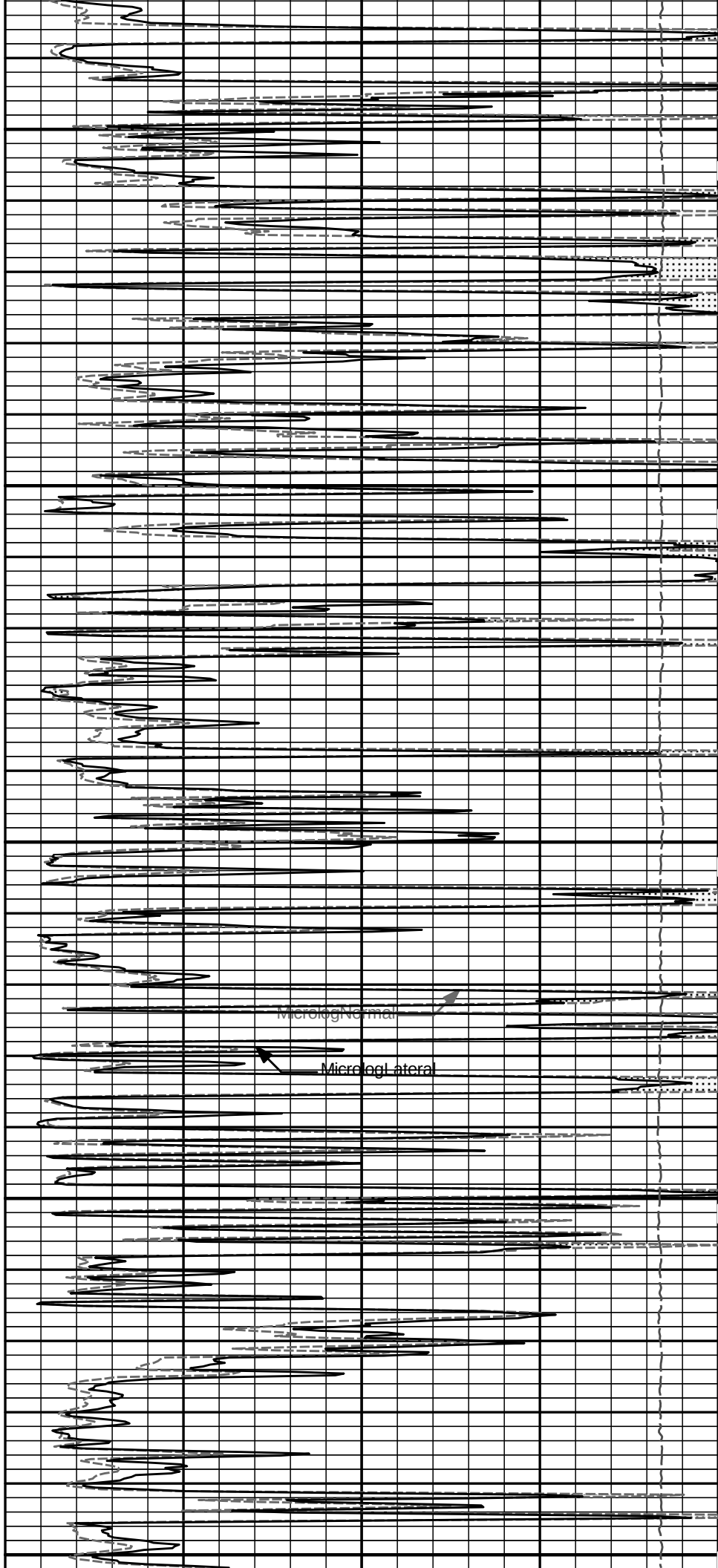
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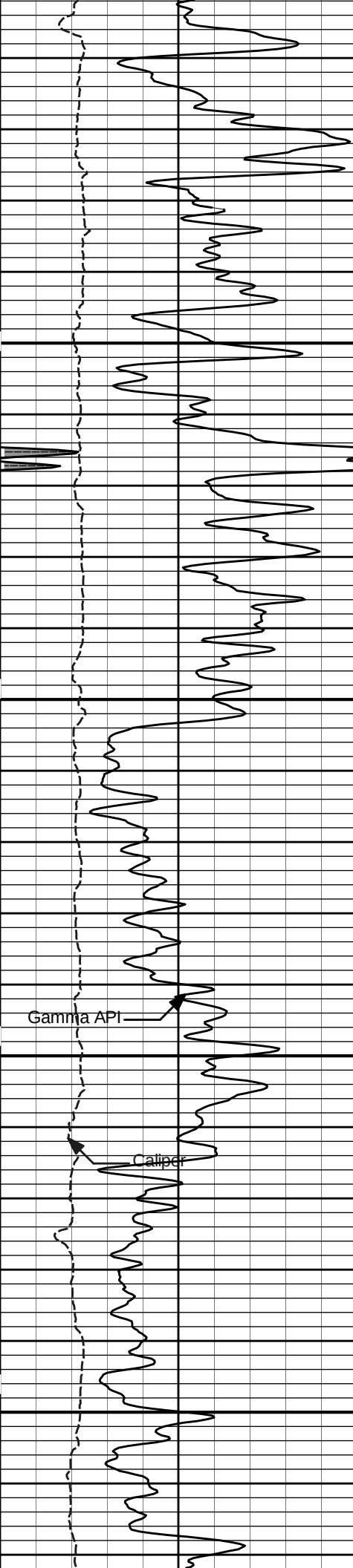
Gamma API

Caliper



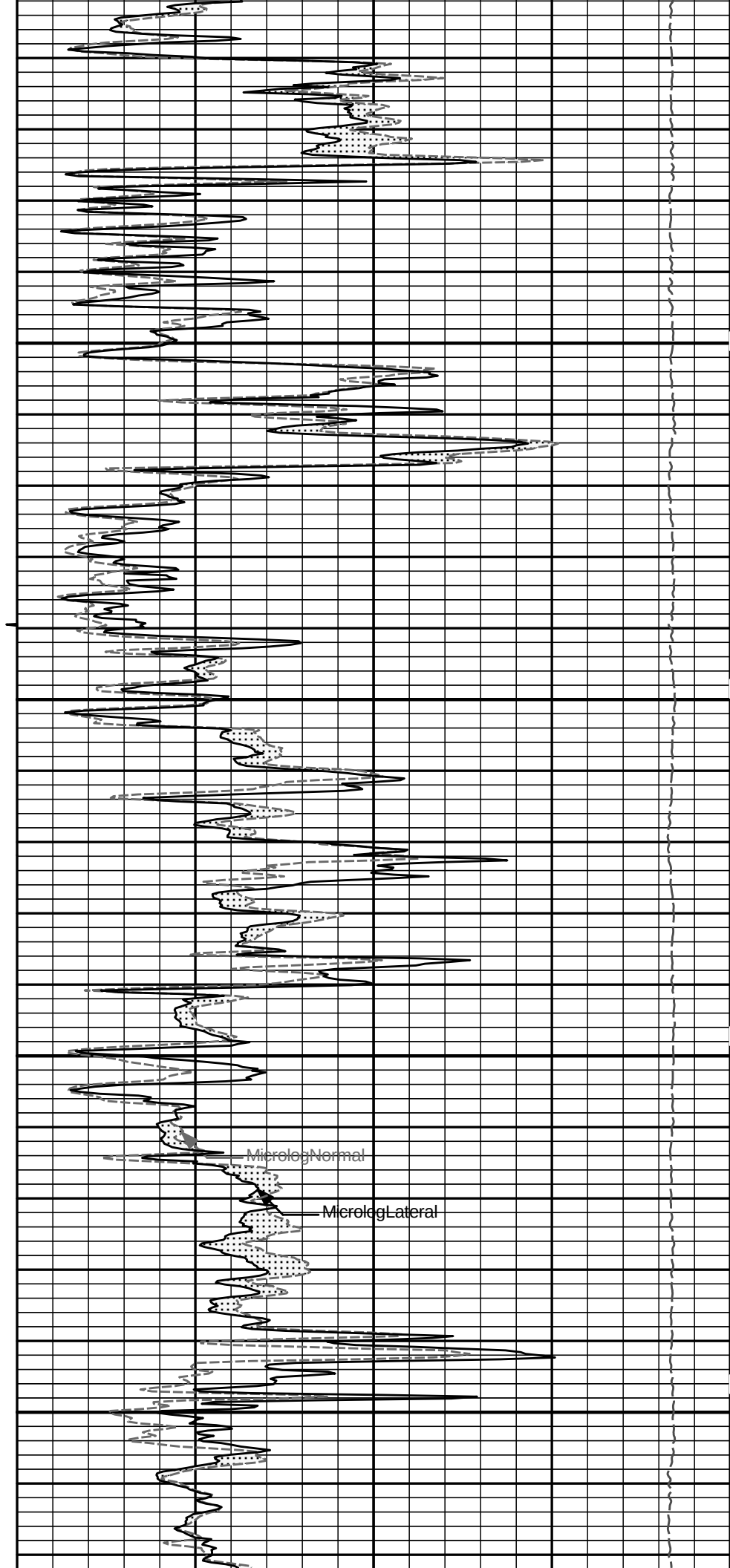
Microlog Normal

Microlog Lateral



2600

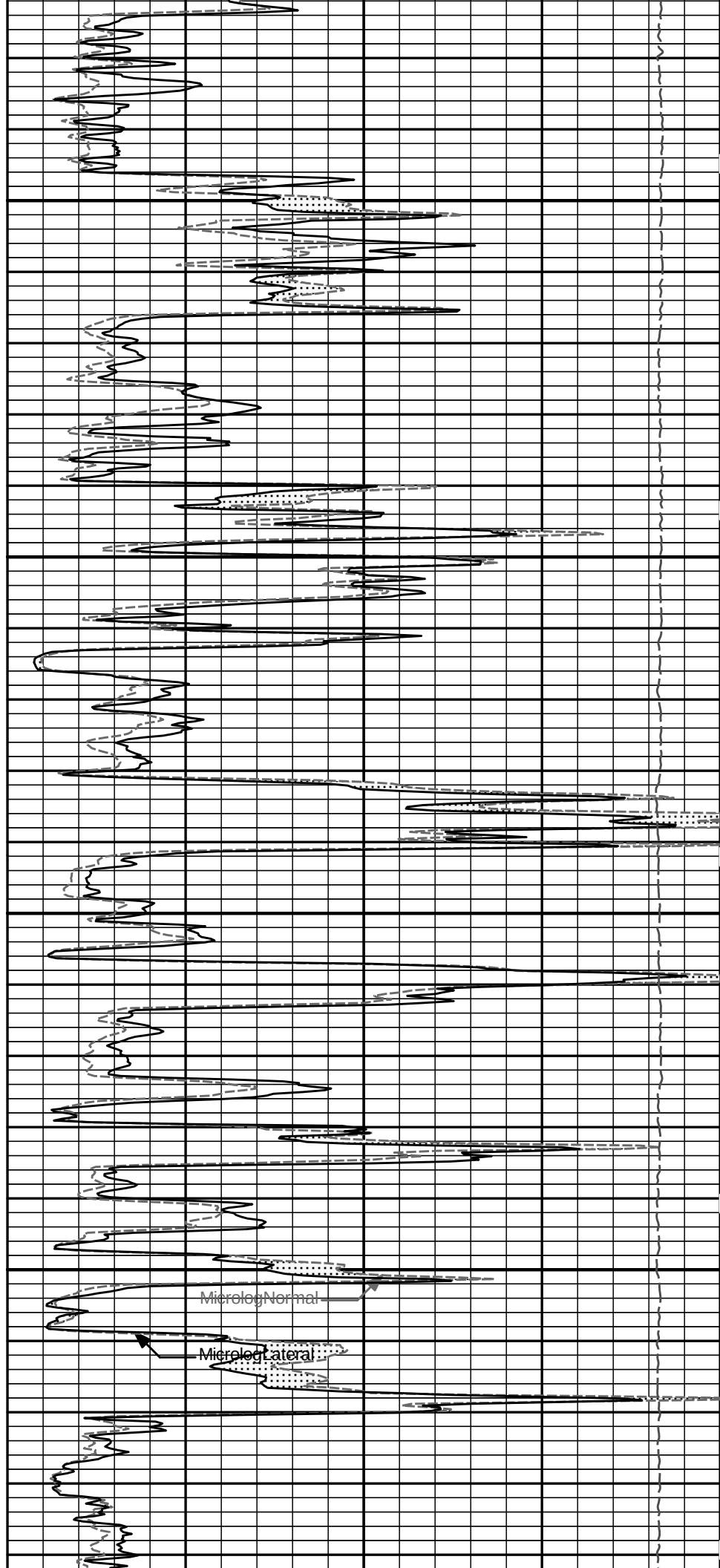
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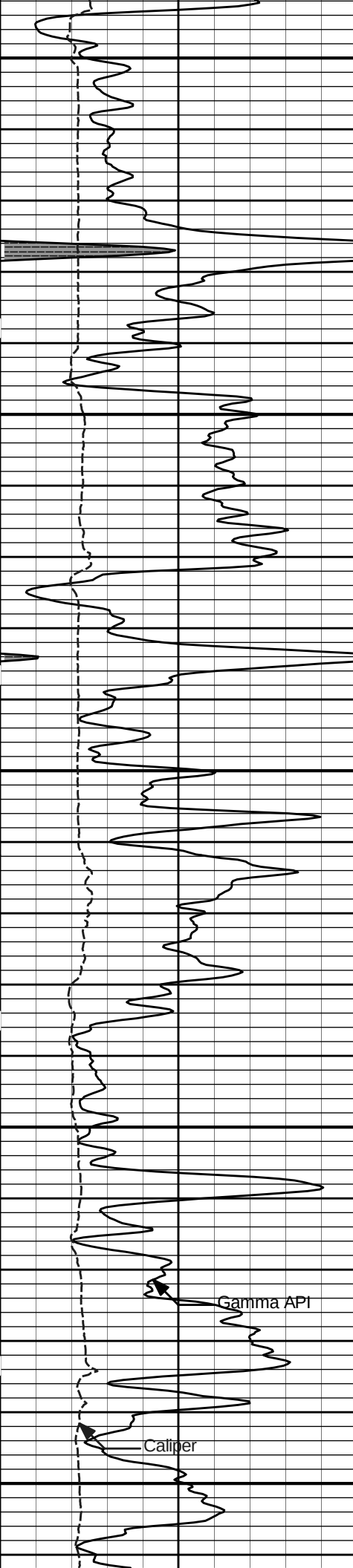




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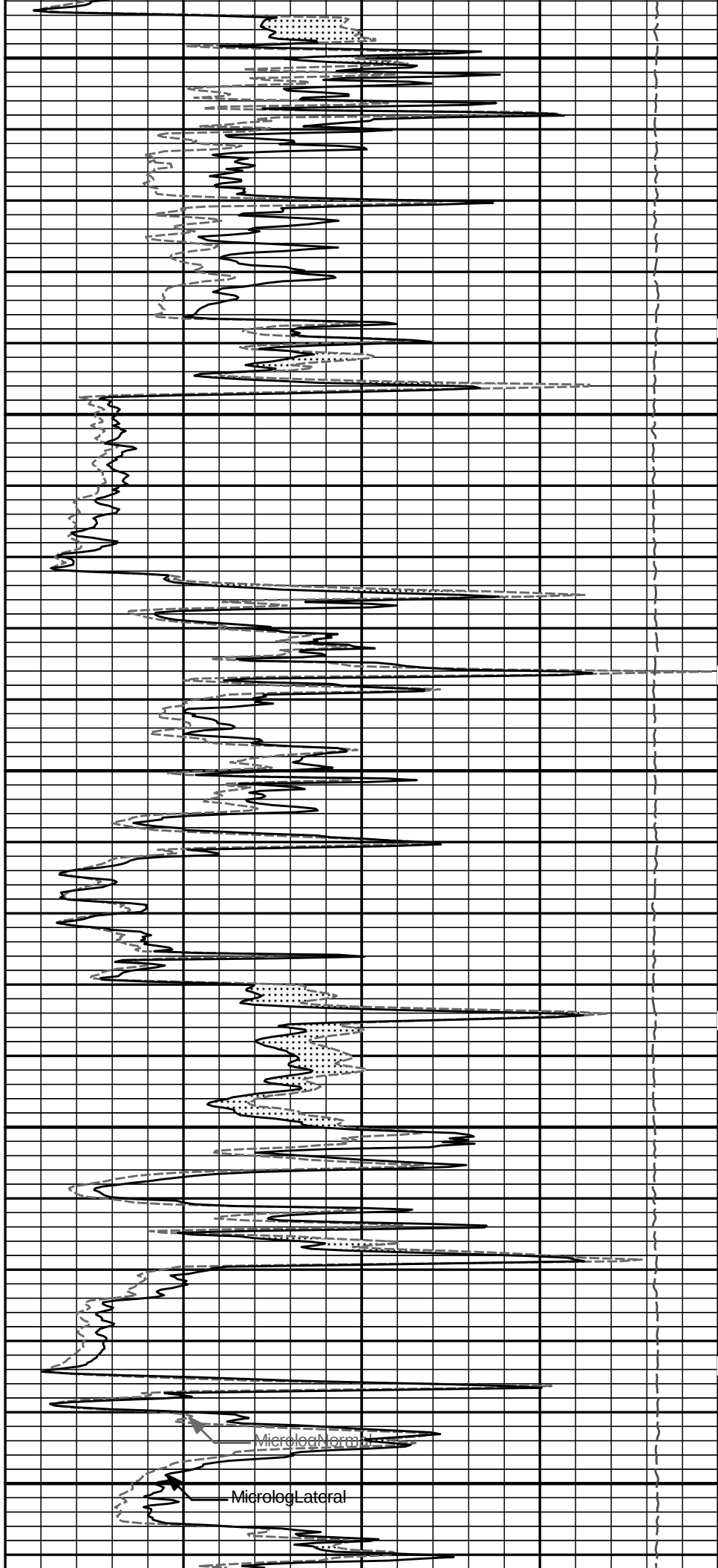
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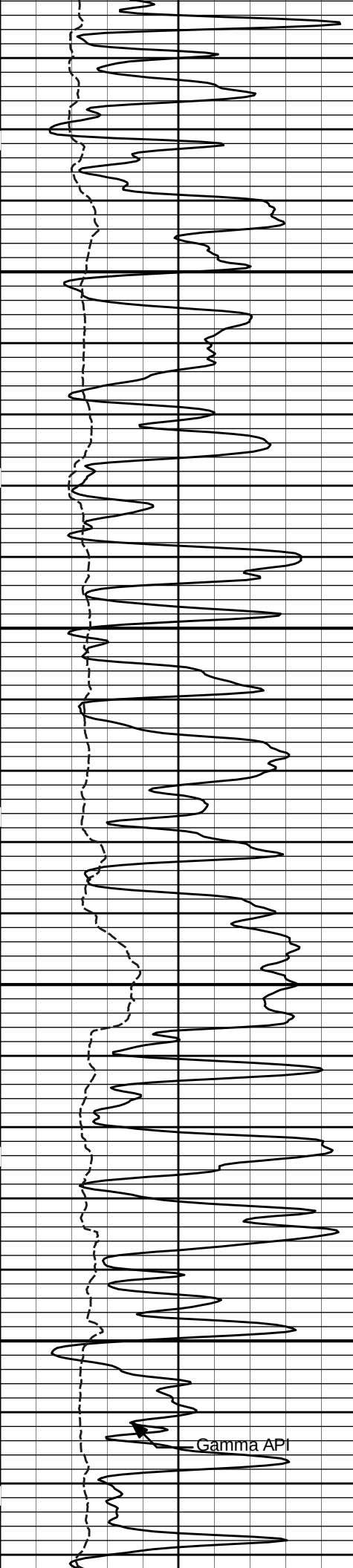




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3100

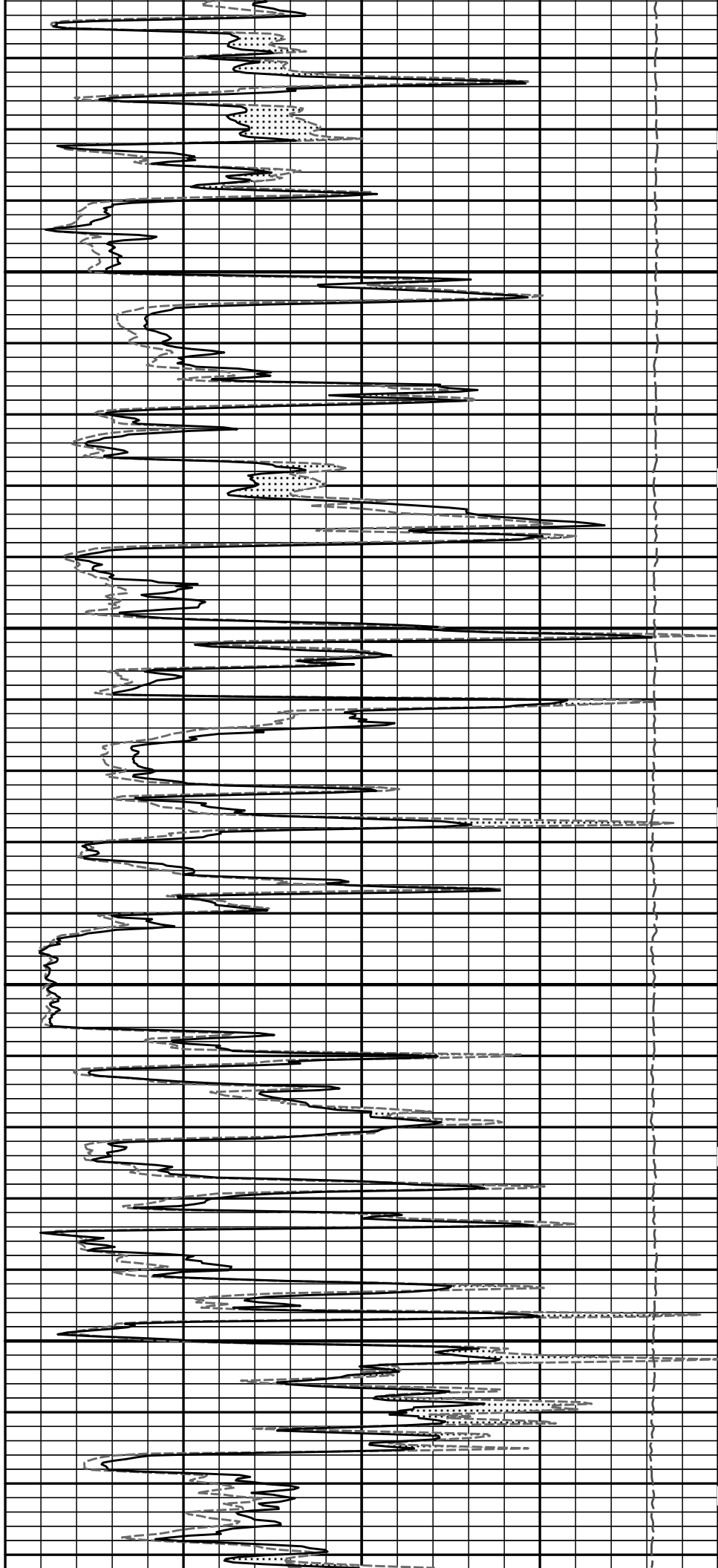


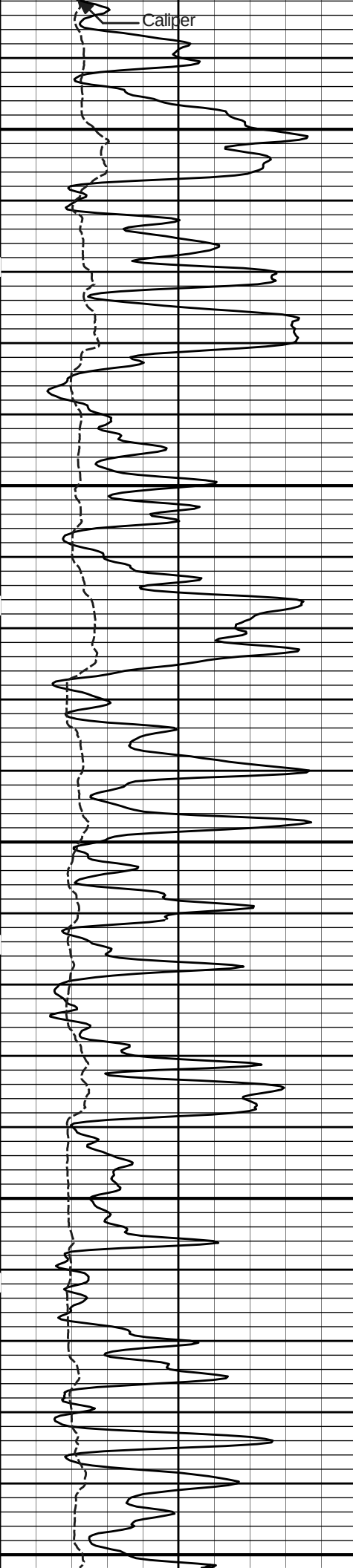


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3300

Gamma API

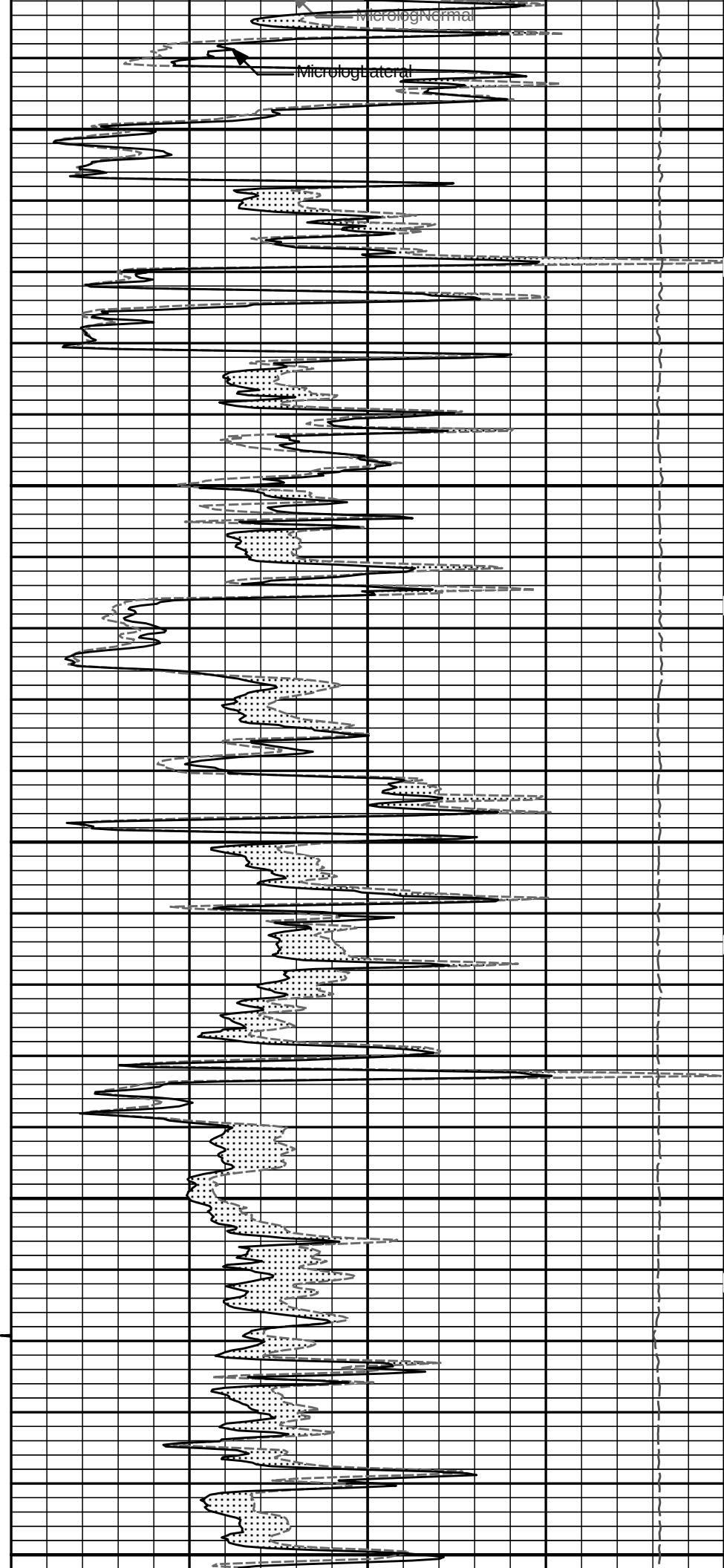


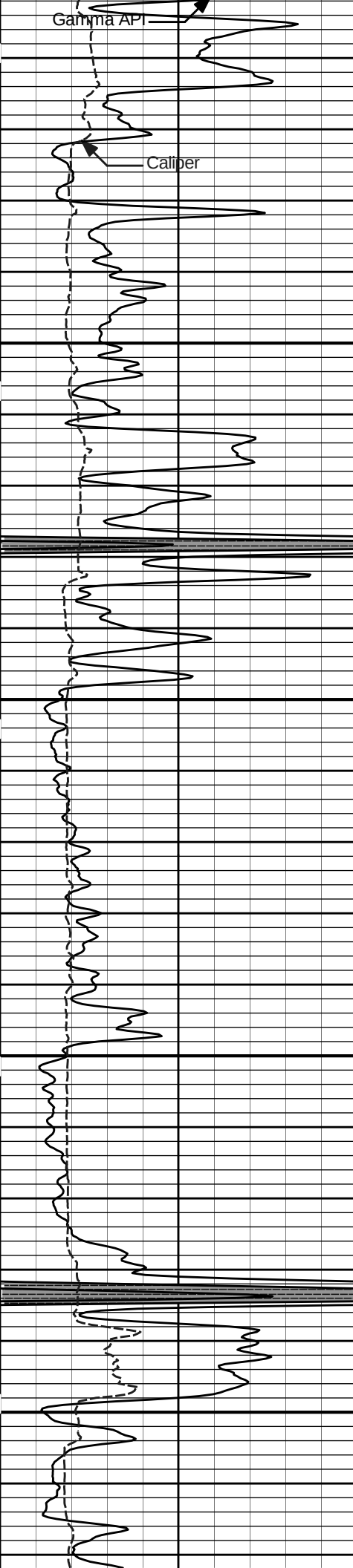


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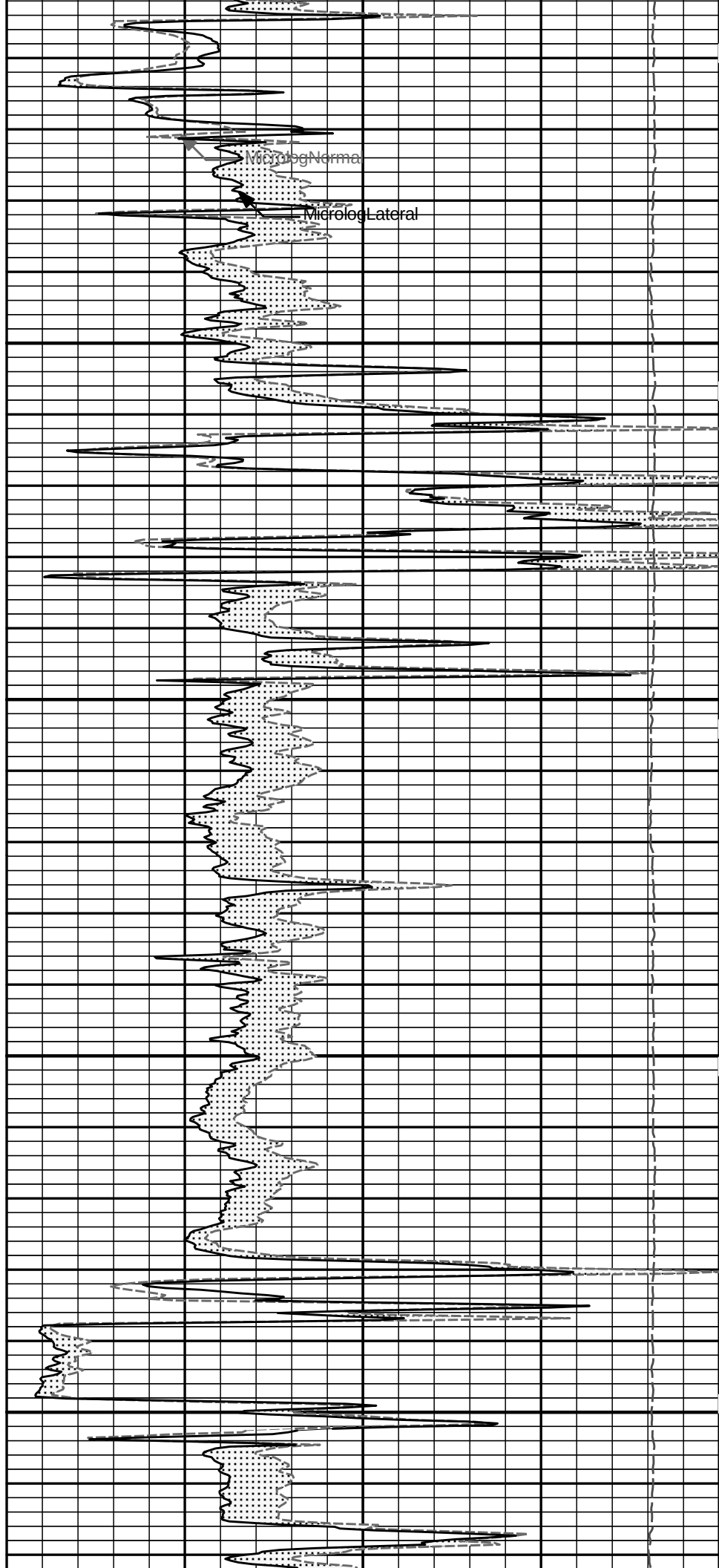
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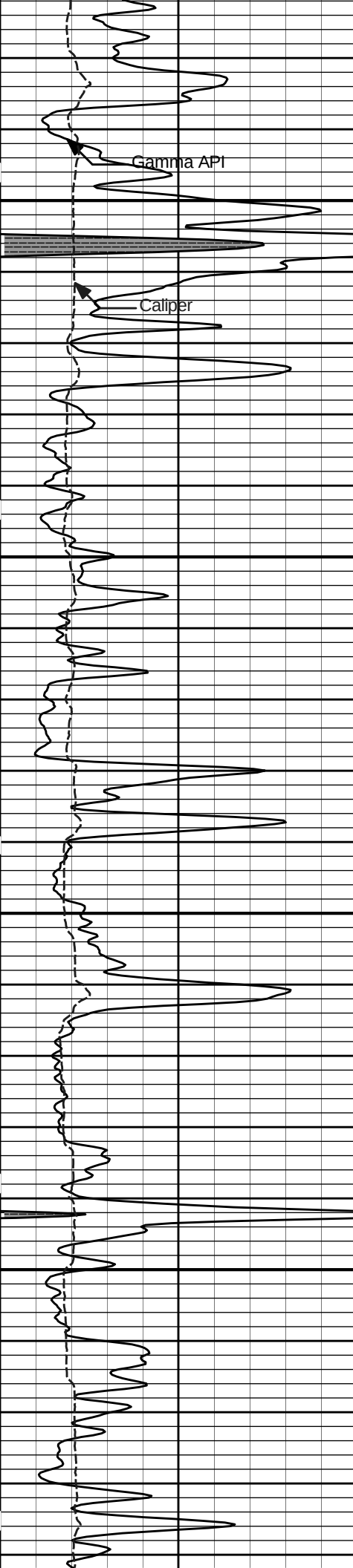




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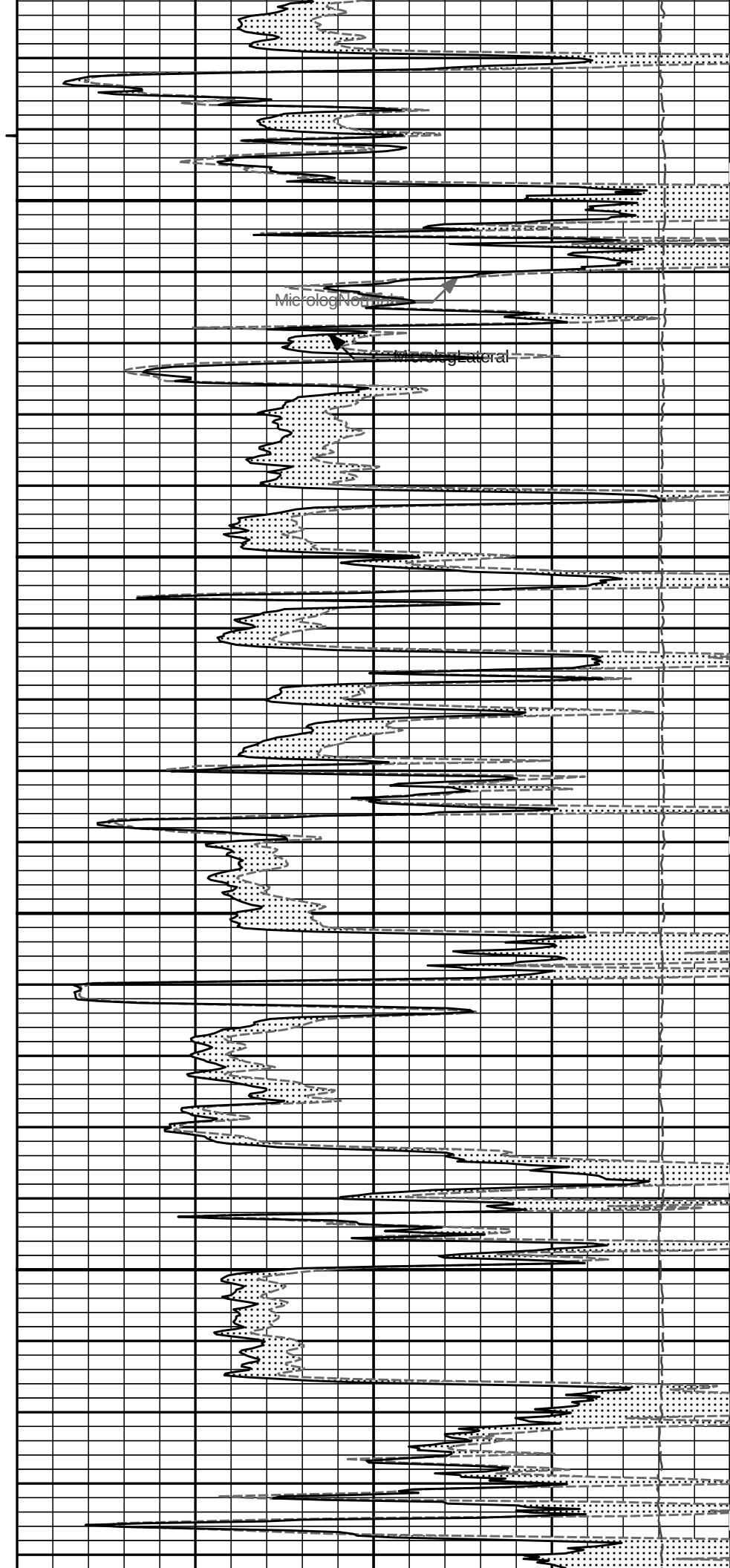
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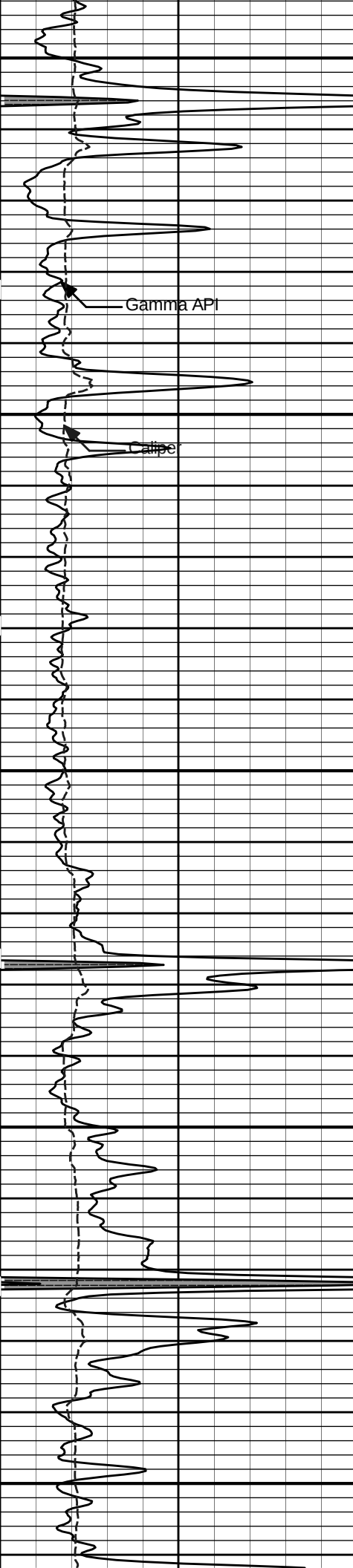




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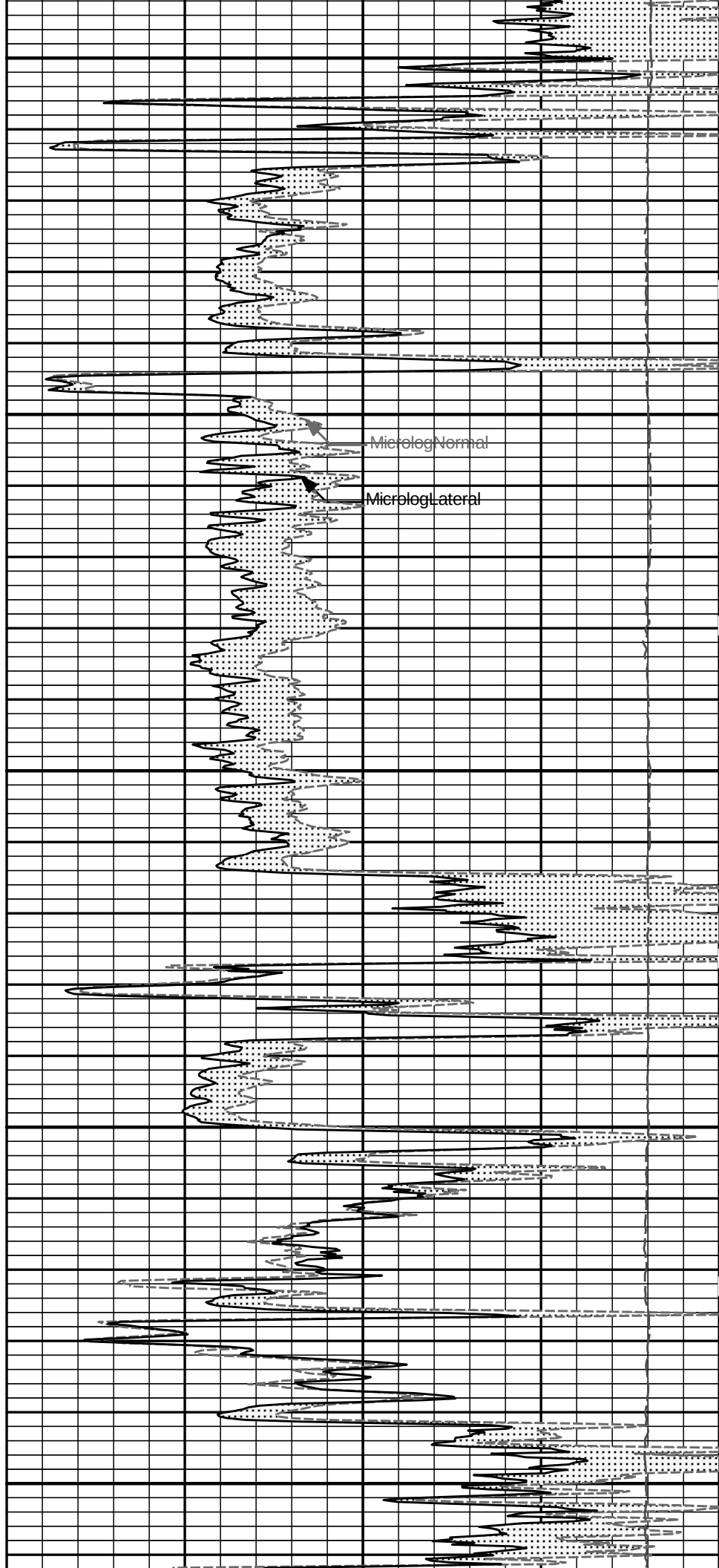
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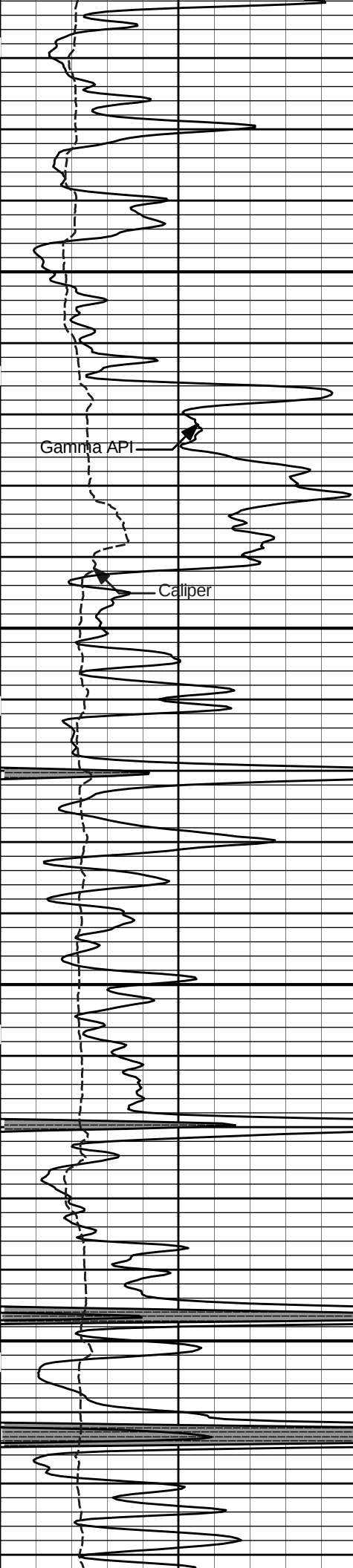




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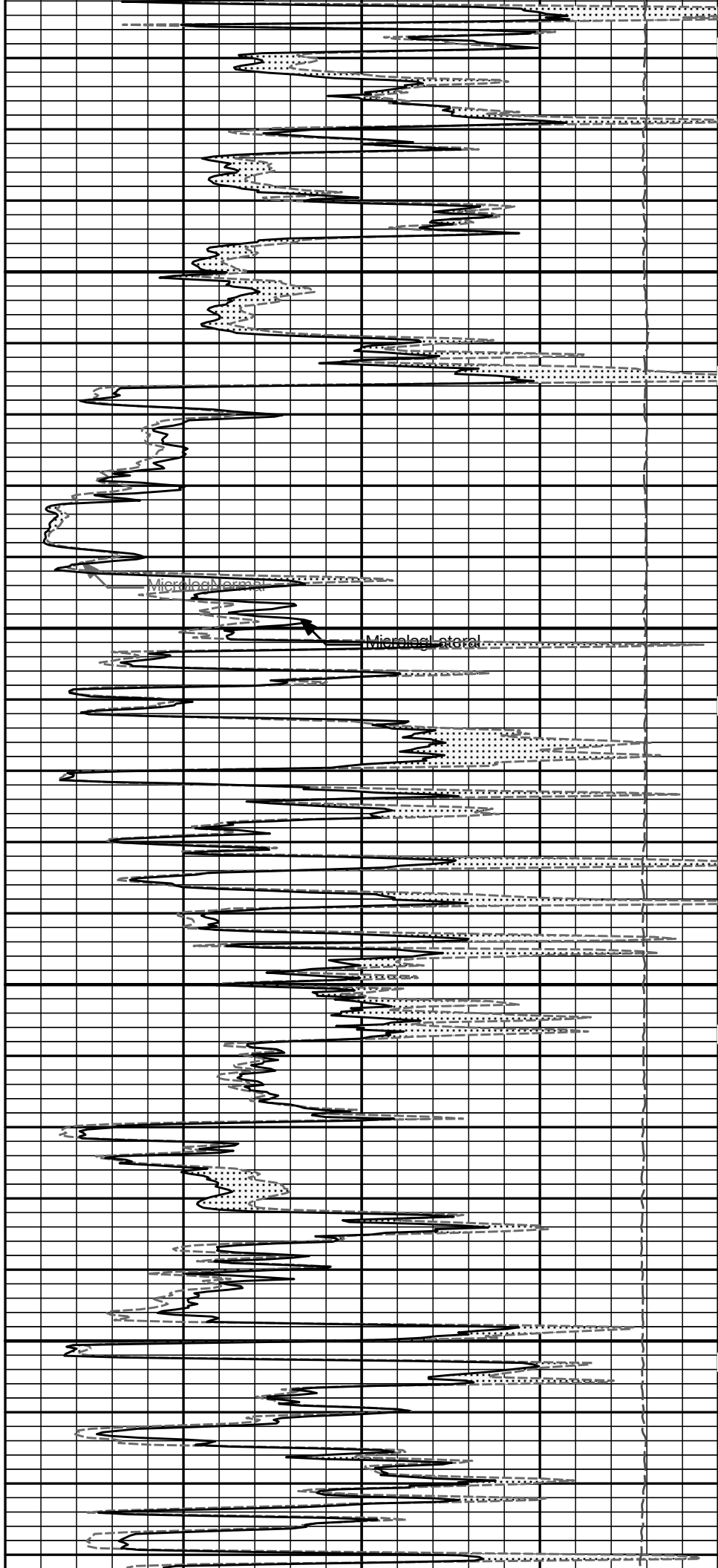
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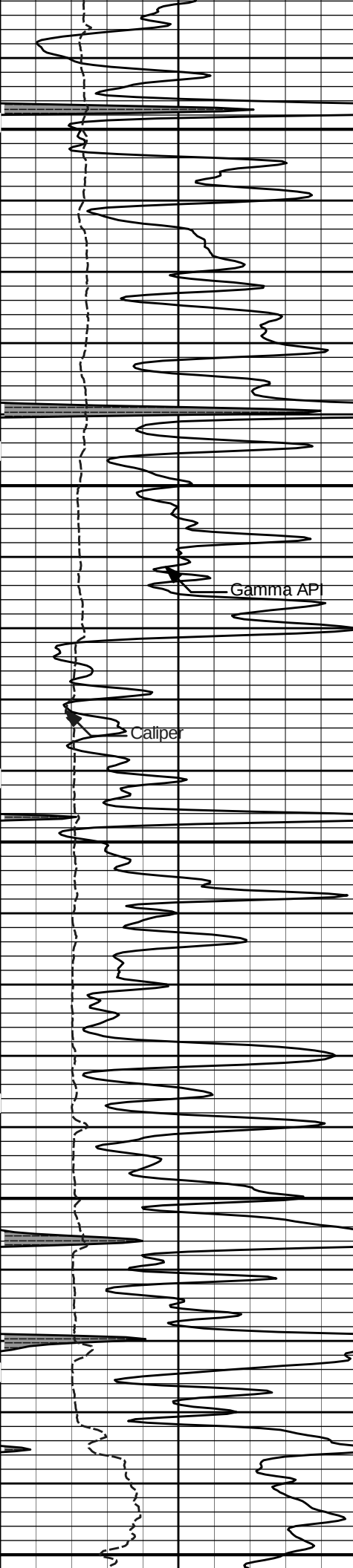




4300

4400





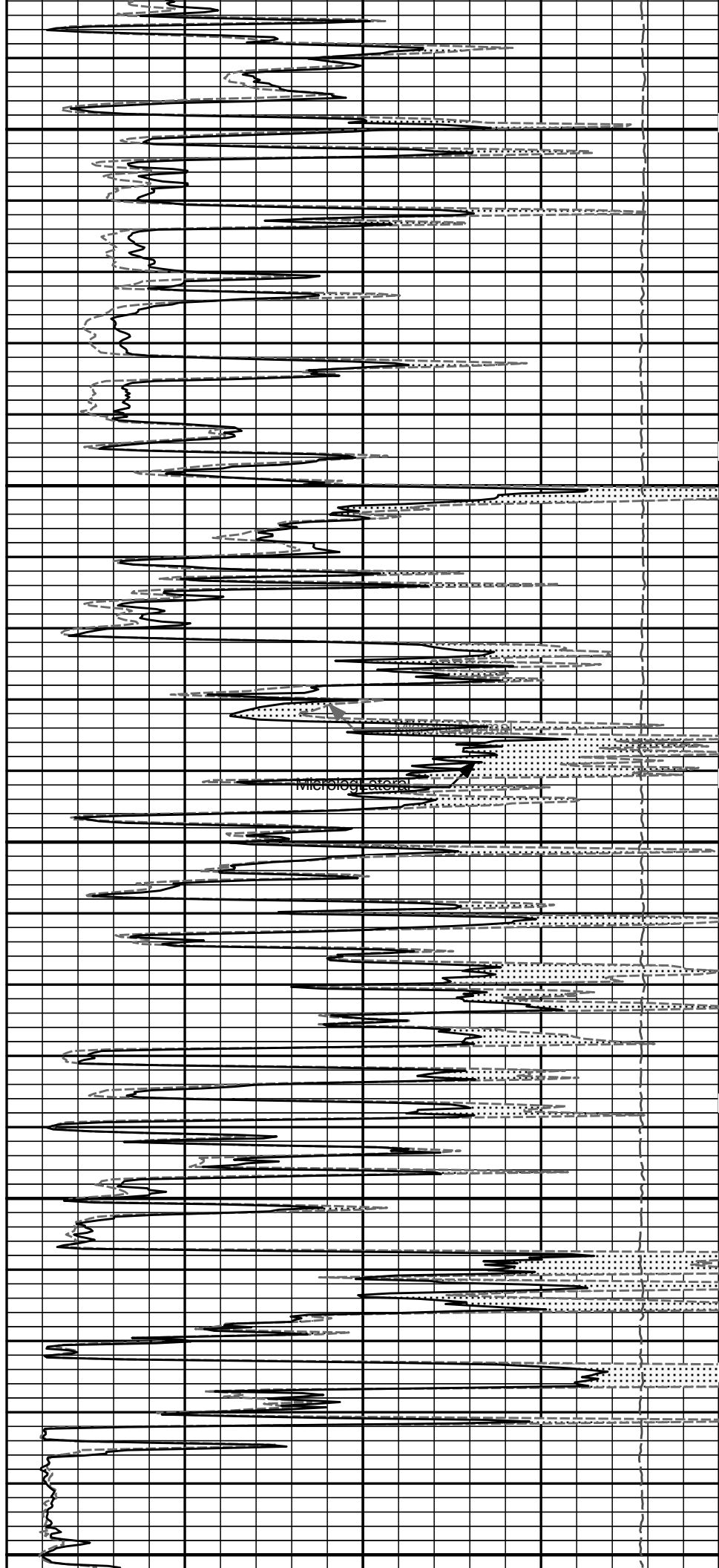
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Gamma API

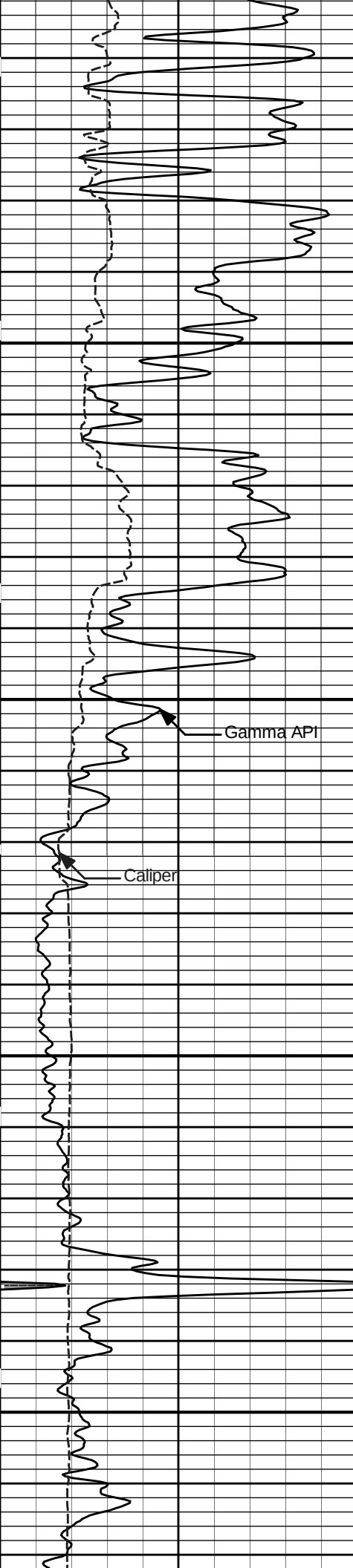
Caliper

4600

4700

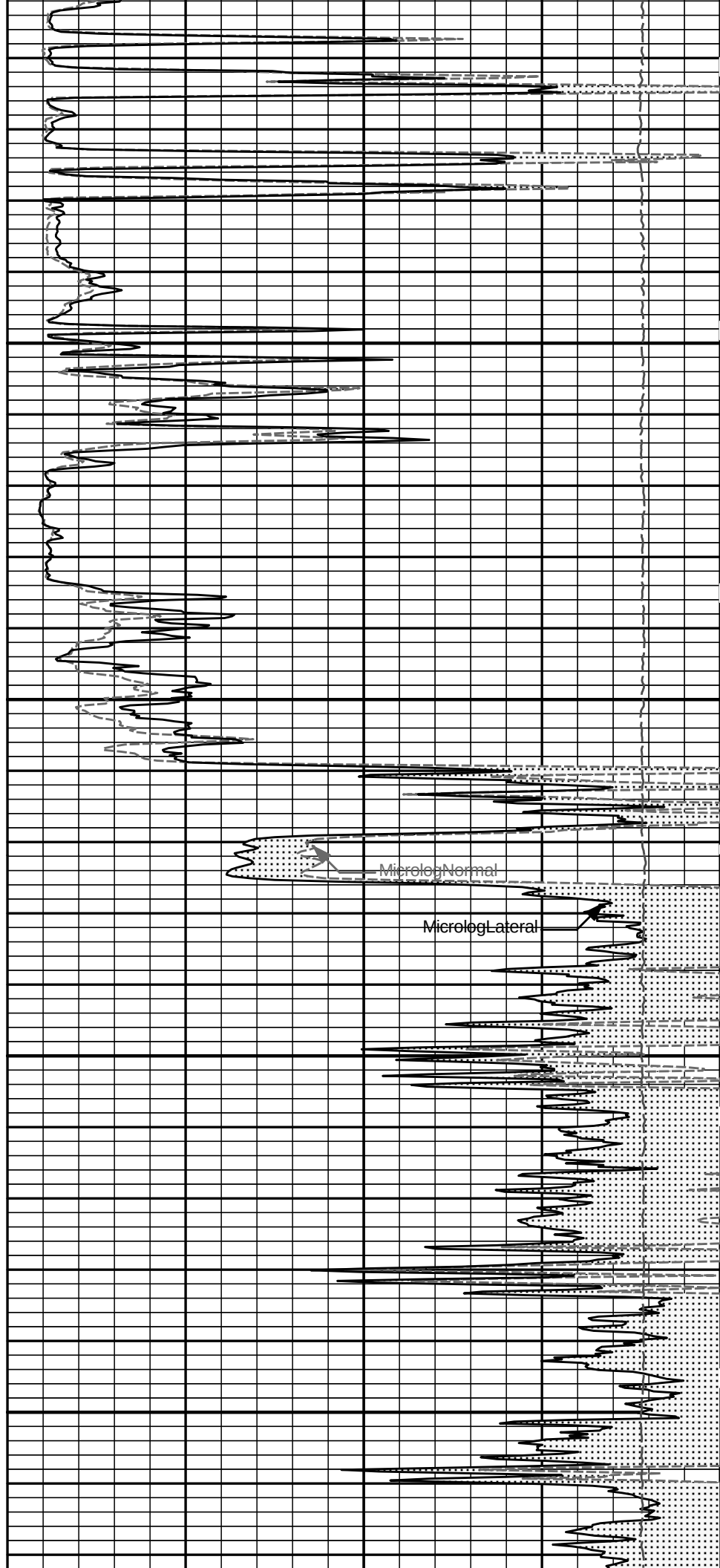


Microlog lateral



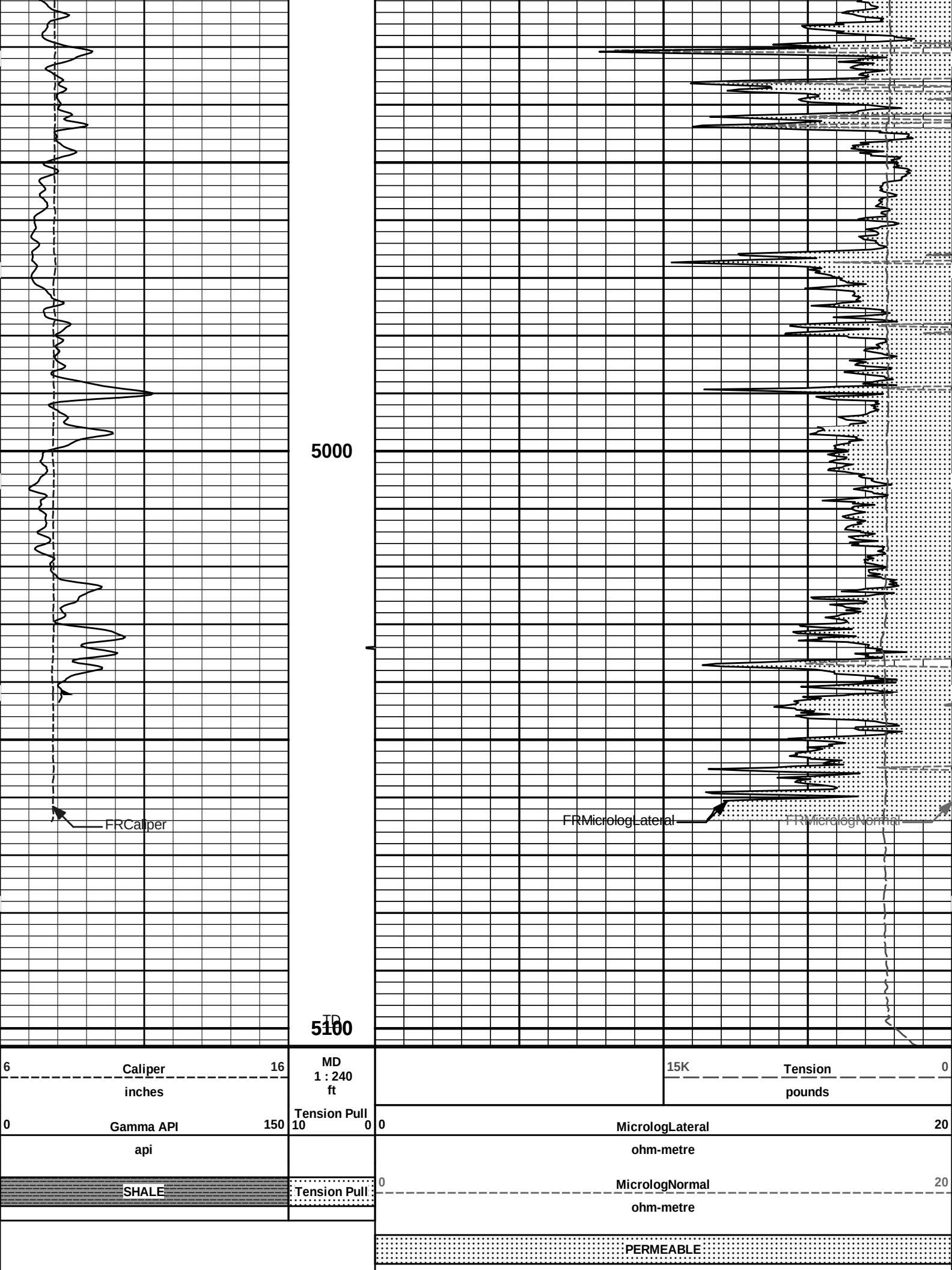
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4900



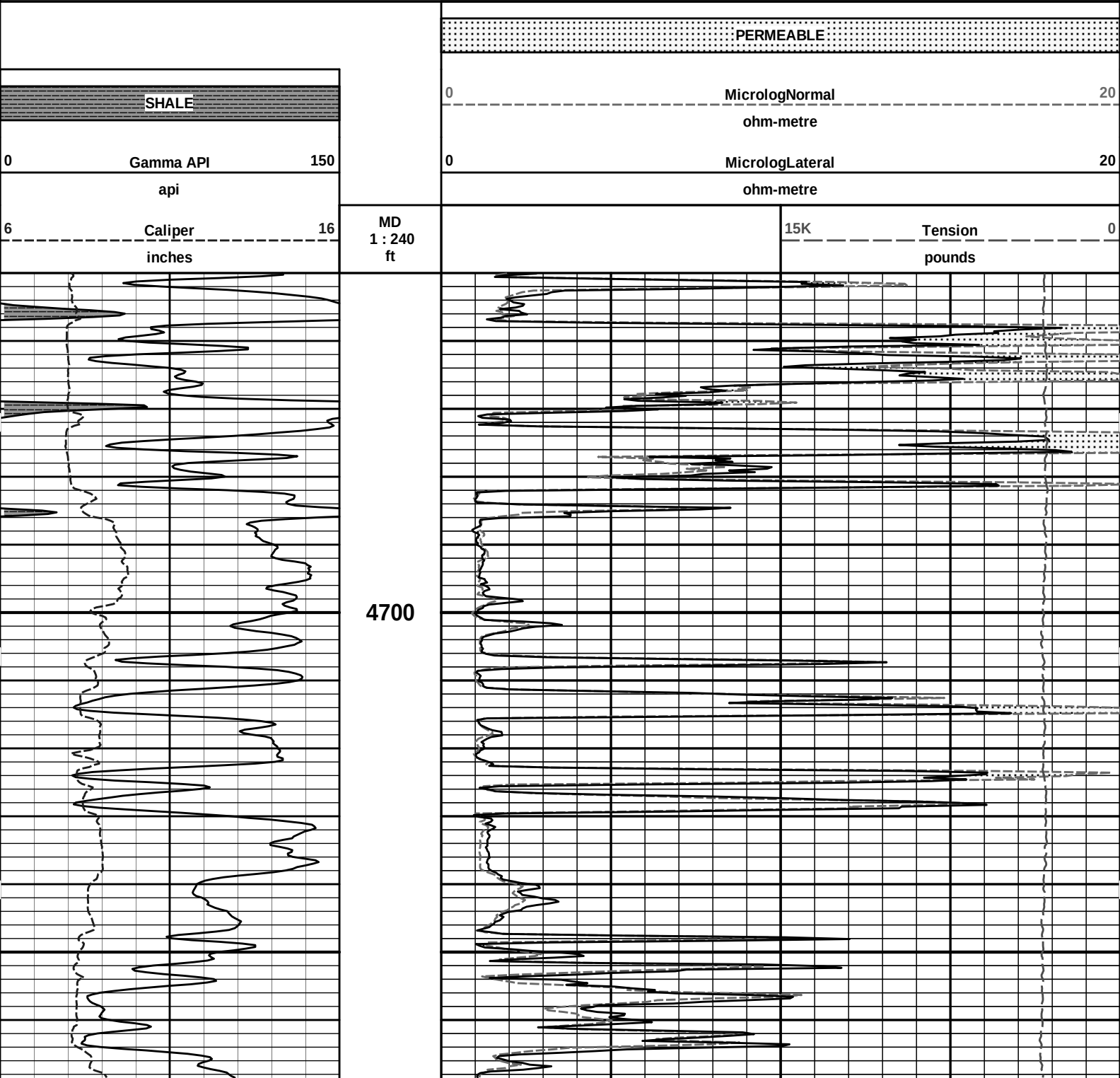
MicrologNormal

MicrologLateral



5 INCH MAIN LOG

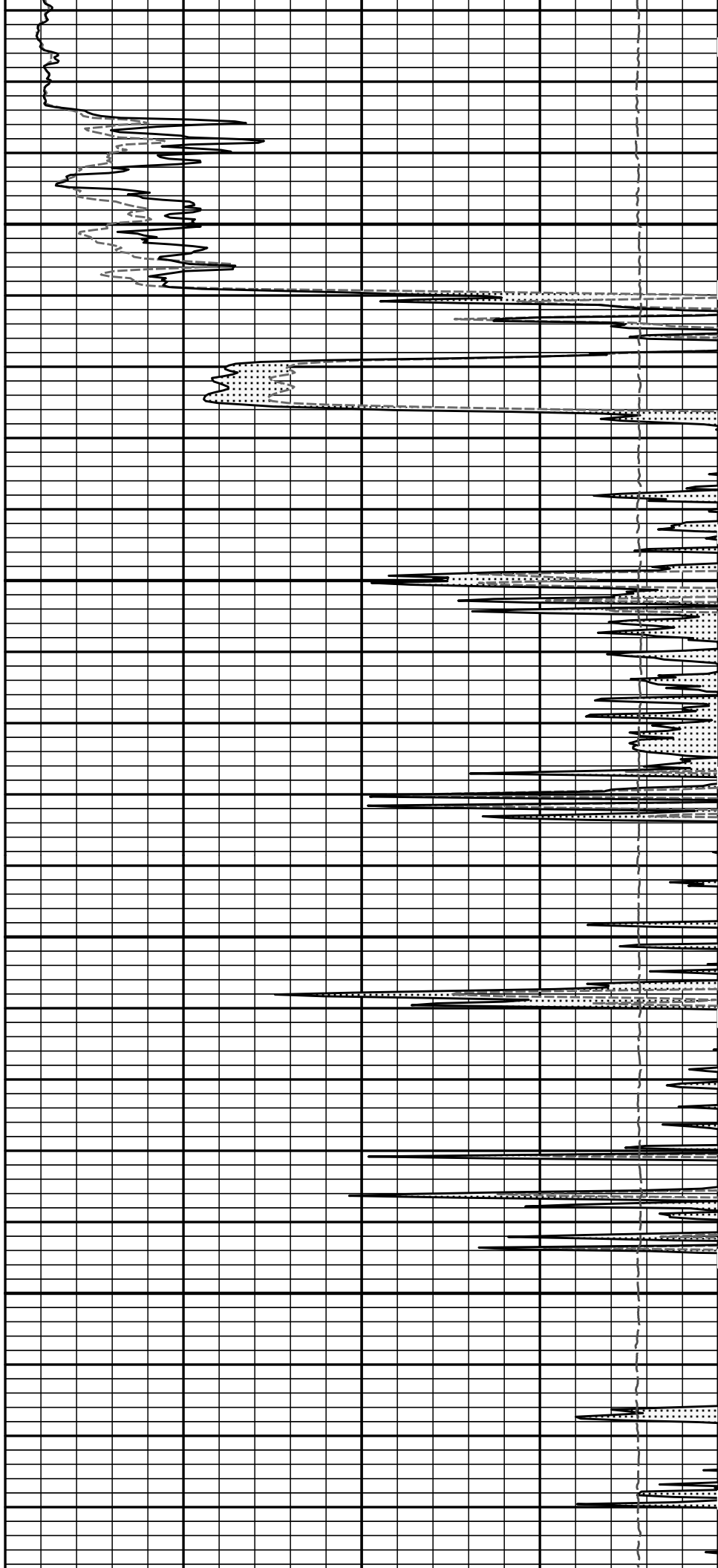
REPEAT SECTION

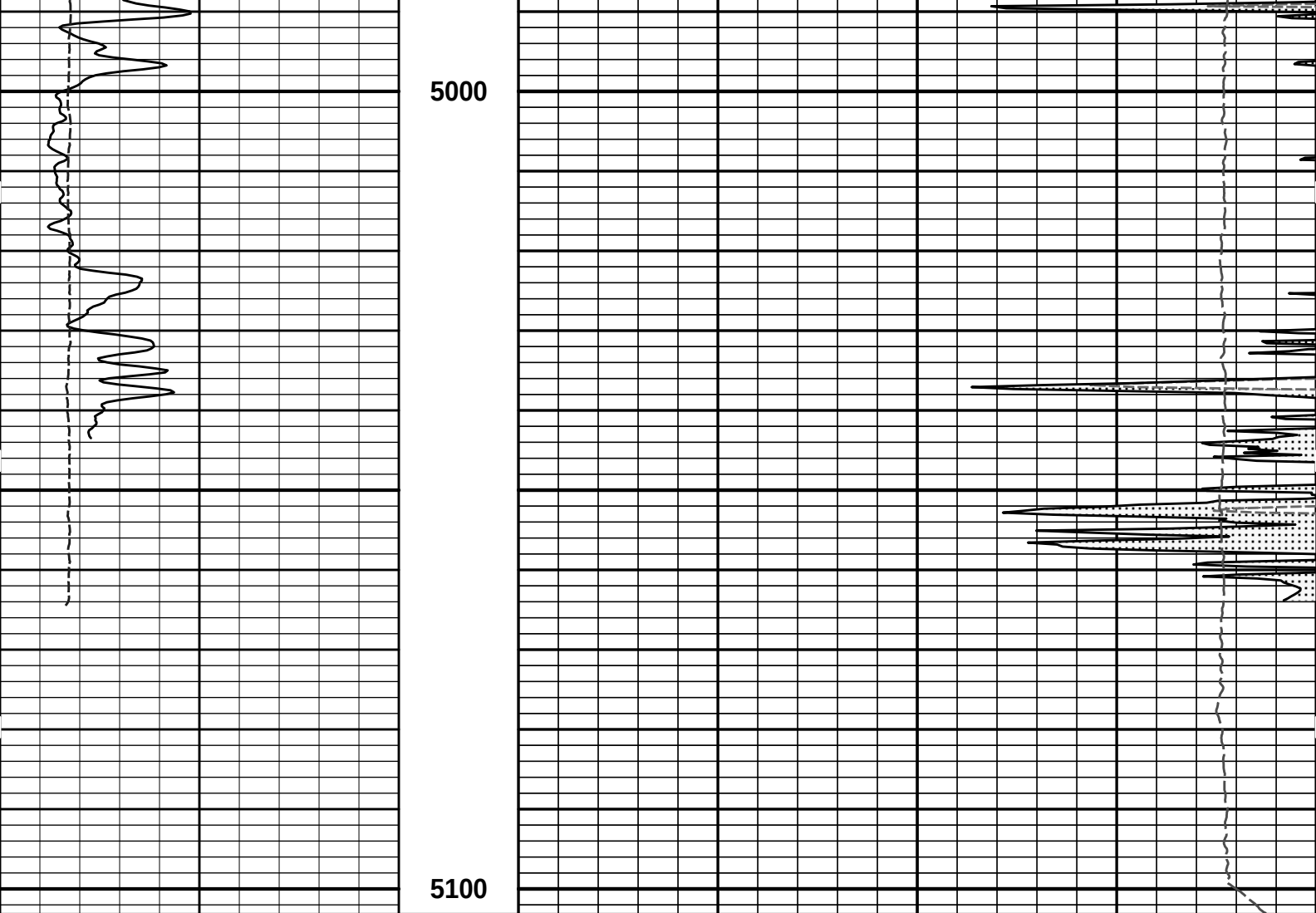




4800

4900





6	Caliper	16	MD 1 : 240 ft	0	15K	Tension	0
	inches					pounds	
0	Gamma API	150		0	MicrologLateral		20
	api				ohm-metre		
	SHALE			0	MicrologNormal		20
					ohm-metre		
					PERMEABLE		

HALLIBURTON

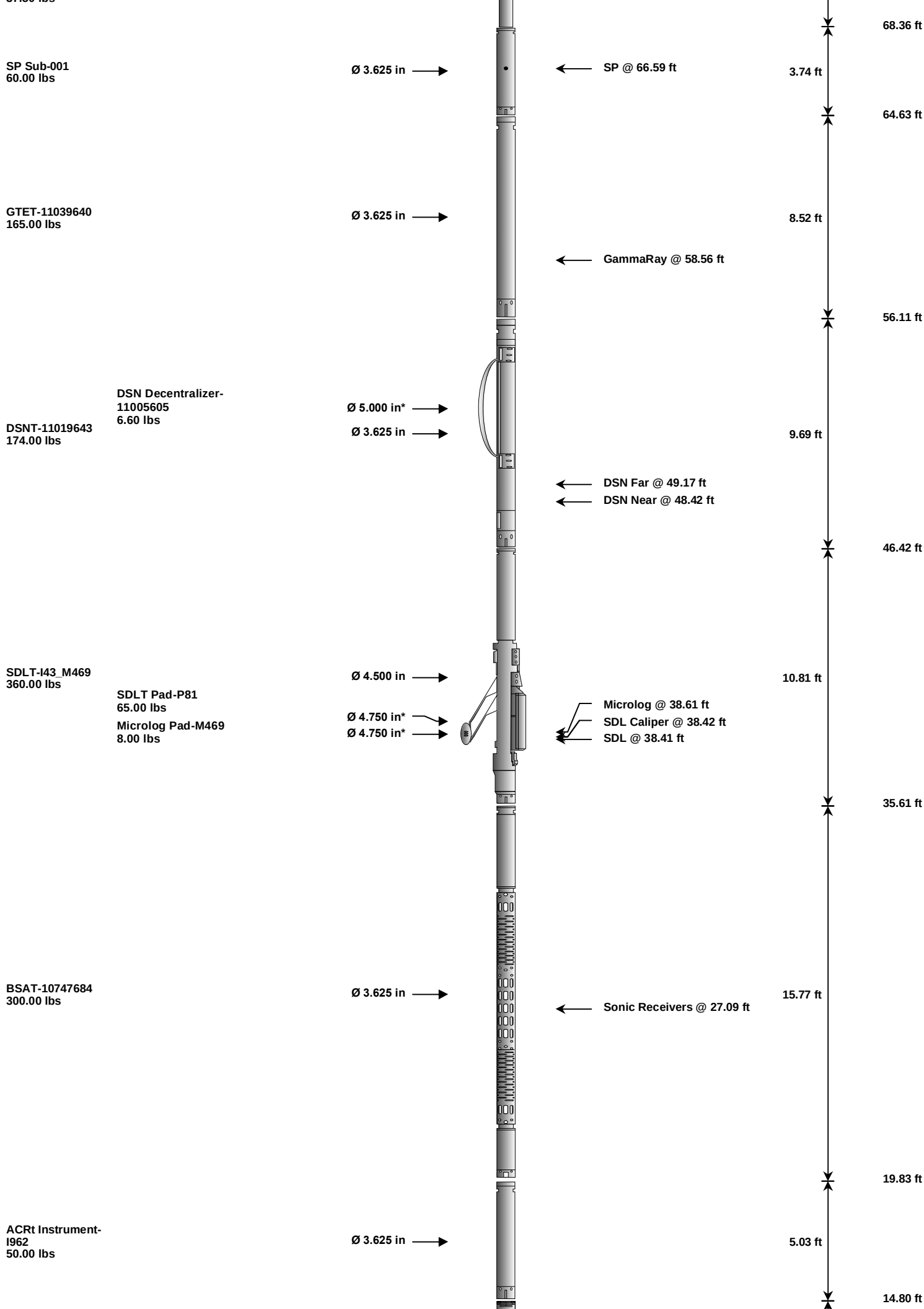
Plot Time: 04-Mar-12 04:46:24
Plot Range: 4650 ft to 5103.17 ft
Data: GARDEN_CITY_T_2\Well Based\REPEAT\
Plot File: \\LOCAL-IGARDEN_CITY_T_2\0001 SP-GTET-DSN-SDL-BSAT-ACRT-CH\MICRO\Microlog_IQ_5_rep.lib

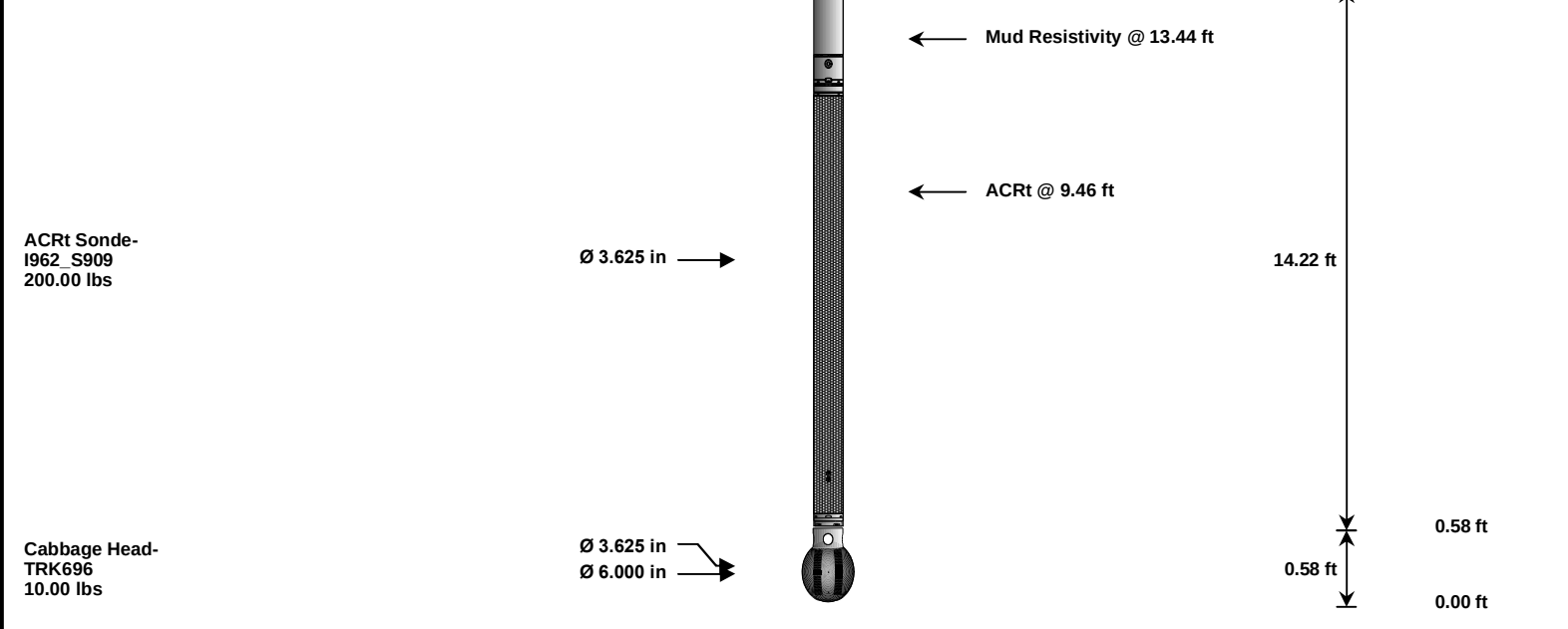
REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
CH_HOS-CH_696 37 50 lbs		Ø 2.750 in		Temperature @ 70.36 ft	3.03 ft	71.39 ft





Mnemonic		Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)	
CH_HOS	Hostile Cable Head with Load Cell		CH_696	37.50	3.03	68.36	300.00	
SP	SP Sub		001	60.00	3.74	64.63	300.00	
GTET	Gamma Telemetry Tool		11039640	165.00	8.52	56.11	60.00	
DSNT	Dual Spaced Neutron		11019643	174.00	9.69	46.42	60.00	
DCNT	DSN Decentralizer		11005605	6.60	5.13	*	49.75	300.00
SDLT	Spectral Density Tool		I43_M469	360.00	10.81	35.61	60.00	
MICP	Microlog Pad		M469	8.00	1.00	*	38.11	60.00
SDLP	Density Insite Pad		P81	65.00	2.55	*	37.82	60.00
BSAT	Borehole Sonic Array Tool		10747684	300.00	15.77	19.83	60.00	
ACRt	Array Compensated True Resistivity Instrument Section		I962	50.00	5.03	14.80	300.00	
ACRt	Array Compensated True Resistivity		I962_S909	200.00	14.22	0.58	300.00	
CBHD	Cabbage Head		TRK696	10.00	0.58	0.00	300.00	
Total				1,436.10	71.39			
* Not included in Total Length and Length Accumulation.								
Data: GARDEN_CITY_T_2I0001 SP-GTET-DSN-SDL-BSAT-ACRT-CHI003 04-Mar-12 02:58 Up @5103.3f								
Date: 04-Mar-12 03:38:41								

HALLIBURTON

CALIBRATION REPORT

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

NATURAL GAMMA RAY TOOL FIELD CALIBRATION			
Tool Name:	GTET - 11039640	Reference Calibration Date:	22-Feb-12 20:28:49
Engineer:	J. BOLLUM	Calibration Date:	04-Mar-12 01:08:21

Calibrator Source S/N: TB146

Calibrator API Reference:265.00 api

Equivalent Calibrator API Reference:269.6 api

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

Shop	Field	Difference	Tolerance
269.6	266.9	2.7	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION

Tool Name: DSNT - 11019643

Reference Calibration Date: 16-Feb-12 08:54:03

Engineer: C.PARKER

Calibration Date: 16-Feb-12 09:05:04

Software Version: WL INSITE R3.4.2 (Build 2)

Calibration Version: 1

Logging Source S/N: 696

Tank Serial Number: LIBERAL_NEUTRON

Reference value assigned to Tank: 51.680

Snow Block S/N: 696

Calibration Tank Water Temperature: 62 degF

Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS

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

WATER TANK SUMMARY (Horizontal Water Tank)

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

VERIFIER

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

PASS/FAIL SUMMARY

Background Check:	Passed
Gain-Range Check:	Passed
Snow-Block Check:	Passed

DUAL SPACED NEUTRON FIELD CALIBRATION

Tool Name: DSNT - 11019643

Reference Calibration Date: 16-Feb-12 09:05:04

Engineer: J. BOLLLOM

Calibration Date: 04-Mar-12 01:15:09

Software Version: WL INSITE R3.4.2 (Build 2)

Calibration Version: 1

Logging Source S/N: 696

Snow Block S/N: 696

NEUTRON FIELD-CHECK SUMMARY

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

Snow Block Stat (4.00)				
PASS/FAIL SUMMARY				
Block Change Check:			Passed	
Snow Block Stat Check:			Passed	
Temperature Check:			Passed	
DENSITY CALIPER SHOP CALIBRATION				
Tool Name:	SDLT - I43_M469		Reference Calibration Date:	16-Feb-12 10:03:14
Engineer:	C.PARKER		Calibration Date:	16-Feb-12 10:07:31
Software Version:	WL INSITE R3.4.2 (Build 2)		Calibration Version:	1
CALIBRATION COEFFICIENTS				
Measurement	Previous Value	New Value	Control Limit On New Value	
Pad Offset	-1784.89	-1917.62	-7000.00 - -1000.00	
Pad Gain	0.0003910	0.0003971	0.000200 - 0.000600	
Arm Offset	-330.31	-137.08	-5000.00 - 3000.00	
Arm Gain	0.0005187	0.0005069	0.000300 - 0.000700	
Arm Power	-0.000006098	-0.000005316	-0.000010 - 0.000010	
The ring diameter is computed from: 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)	2.02	2.00	-0.02	+/- 0.20
Medium Ring (in)	3.74	3.75	0.01	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.50	6.50	0.00	+/- 0.20
Medium Ring (in)	8.28	8.25	-0.03	+/- 0.20
Large Ring (in)	15.00	15.00	0.00	+/- 0.20
PASS/FAIL SUMMARY				
Calibration-Coefficients Range Check:			Passed	
Ring-Measurement Check:			Passed	
PASS/FAIL SUMMARY				
Calibration-Coefficients Range Check:			Passed	
SDLT CALIPER FIELD CALIBRATION				
Tool Name:	SDLT - I43_M469		Reference Calibration Date:	16-Feb-12 10:07:31
Engineer:	J. BOLLLOM		Calibration Date:	04-Mar-12 01:17:34
Software Version:	WL INSITE R3.4.2 (Build 2)		Calibration Version:	1
MEASURED CALIPER VALUES				
Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.78	0.03	+/- 0.10
Ring Diameter	8.25	8.37	0.12	+/- 0.15
PASS/FAIL SUMMARY				
Pad Extension Check:			Passed	
Diameter Check:			Passed	
ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION				
Tool Name:	ACRt Sonde - I962_S909		Reference Calibration Date:	24-Jan-12 09:31:40

Tool Name: KORT Sonde 1002_0000				Reference Calibration Date: 24-Feb-12 09:51:49							
Engineer: C. HAVERKAMP				Calibration Date: 24-Feb-12 13:24:09							
Software Version: WL INSITE R3.4.2 (Build 2)				Calibration Version: 1							
TYPICAL GAIN RANGE											
Subarray	R12KHz			R36KHz			R72KHz				
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper		
A1 (80")	0.95	1.0168	1.05	0.95	1.0229	1.05	0.95	1.0207	1.05		
A2 (50")	0.95	1.0114	1.05	0.95	1.0172	1.05	0.95	1.0165	1.05		
A3 (29")	0.95	1.0025	1.05	0.95	1.0075	1.05	0.95	1.0045	1.05		
A4 (17")	0.95	1.0042	1.05	0.95	1.0069	1.05	0.95	1.0066	1.05		
A5 (10")	N/A	N/A	N/A	0.95	1.0047	1.05	0.95	1.0023	1.05		
A6 (6")	N/A	N/A	N/A	0.95	0.9883	1.05	0.95	0.9861	1.05		
TYPICAL SONDE OFFSET RANGE											
Subarray	R12KHz			R36KHz			R72KHz				
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper		
A1 (80")	-5	-0.741	2	-6	-4.230	-2	-8	-4.258	-2		
A2 (50")	-7	-1.770	-1	-6	-3.669	-2	-7	-4.211	-2		
A3 (29")	-27	-14.223	-9	-9	-4.442	-3	-7	-2.621	-1		
A4 (17")	-180	-101.737	-60	-45	-30.295	-15	-39	-25.948	-13		
A5 (10")	N/A	N/A	N/A	-150	-100.527	-50	-80	-45.910	-10		
A6 (6")	N/A	N/A	N/A	175	282.721	525	90	148.160	270		
TRANSMITTER CURRENT GAIN						R-MUD VERIFICATION					
Signal	Lower		R	Upper		Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)		
12K		0.6	0.8813	1.3		Mud Cell	0.95	1.002	1.05		
36K		1.0	1.3484	2.0							
72K		1.0	1.5779	2.0							
SPECTRAL DENSITY SHOP CALIBRATION											
Tool Name: SDLT Pad - P81				Reference Calibration Date: 16-Feb-12 09:32:29							
Engineer: C.PARKER				Calibration Date: 16-Feb-12 09:50:51							
Software Version: WL INSITE R3.4.2 (Build 2)				Calibration Version: 1							
Logging Source S/N: 5168GW											
Aluminum Block S/N: LIBERAL				Density: 2.598g/cc				Pe: 3.170			
Magnesium Block S/N: LIBERAL				Density: 1.684g/cc				Pe: 2.598			
DENSITY CALIBRATION SUMMARY											
	Measurement		Previous Value		New Value		Control Limit				
	Near Bar Gain		1.0007		1.0390		0.90 - 1.10				
	Near Dens Gain		0.9863		1.0240		0.90 - 1.10				
	Near Peak Gain		0.9638		1.0214		0.90 - 1.10				
	Near Lith Gain		0.9505		0.9895		0.90 - 1.10				
	Far Bar Gain		1.0070		1.0126		0.90 - 1.10				
	Far Dens Gain		0.9953		1.0029		0.90 - 1.10				
	Far Peak Gain		0.9892		0.9950		0.90 - 1.10				
	Far Lith Gain		0.9673		0.9741		0.90 - 1.10				
	Near Bar Offset		0.1494		-0.1966		NONE				
	Near Dens Offset		0.2613		-0.0657		NONE				
	Near Peak Offset		0.4387		-0.0378		NONE				
	Near Lith Offset		0.5394		0.2188		NONE				

Near Bar Offset	0.0283	-0.0164	NONE
Far Dens Offset	0.1237	0.0609	NONE
Far Peak Offset	0.1380	0.0956	NONE
Far Lith Offset	0.2818	0.2321	NONE
Near Bar Background	823.63	824.58	700 - 1450
Near Dens Background	269.31	269.85	230 - 480
Near Peak Background	117.39	117.18	100 - 210
Near Lith Background	146.50	146.84	125 - 260
Far Bar Background	536.19	537.63	450 - 900
Far Dens Background	209.96	210.26	175 - 345
Far Peak Background	83.75	84.87	70 - 140
Far Lith Background	88.57	87.09	75 - 145

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

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

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

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

Pad Temperature: 40.0 degF

DENSITY FIELD CALIBRATION SUMMARY				
Measurement	Shop	Field	Change	Control Limit +/-

Near (B+D+P+L) cps	1358.449	1358.840	0.391	14.900
Far (B+D+P+L) cps	919.854	923.840	3.986	16.438
Near Resolution	9.43	9.75	0.320	0.50
Far Resolution	8.92	9.35	0.430	1.00

PASS/FAIL SUMMARY	
Bkg Quality Check:	Passed
Bkg Resolution Check:	Passed
Bkg Verification Check:	Passed

MICRO LOG SHOP CALIBRATION			
Tool Name:	Microlog Pad - M469	Reference Calibration Date:	20-Jan-12 09:25:17
Engineer:	C.PARKER	Calibration Date:	16-Feb-12 10:13:03
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

CALIBRATION COEFFICIENT SUMMARY					
Measurement	Micro Log Normal		Micro Log Lateral		Units
	Measured	Calibrated	Measured	Calibrated	
Tool Zero	-0.06	-0.07	-0.06	-0.01	ohmm
Calibration Point #1	0.00	0.00	-0.04	0.00	ohmm
Calibration Point #2	20.03	20.00	20.01	20.00	ohmm
Internal Reference	19.97	19.94	20.00	19.99	ohmm

Measurement	Micro Log Normal Tool Value	Micro Log Lateral Tool Value	Units
Tool Zero	-0.02	0.03	V
Calibration Point #1	17.53	4.88	V
Calibration Point #2	5362.47	7021.63	V
Internal Reference	5346.02	7018.61	V

MICRO LOG FIELD CHECK			
Tool Name:	Microlog Pad - M469	Reference Calibration Date:	16-Feb-12 10:13:03
Engineer:	J. BOLLUM	Calibration Date:	04-Mar-12 01:18:23
Software Version:	WL INSITE R3.4.2 (Build 2)	Calibration Version:	1

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Shop	Field	Shop	Field	
Tool Zero	-0.07	-0.05	-0.01	-0.01	ohmm
Internal Reference	19.94	19.80	19.99	19.84	ohmm

Summary				
Signal	Shop	Field	Difference	Tolerance
Microlog Normal	19.94	19.80	0.14	+/- 0.80
Microlog Lateral	19.99	19.84	0.15	+/- 0.80

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11039640						
Gamma Ray Calibrator	269.6	266.9	-----	2.7	+/- 9.00	api
DSNT-11019643						
Snow-Block Porosity	0.0734	0.0673	-----	0.0061	+/- 0.0150	decp
SDLT-I43_M469						
Pad Extension	3.75	3.78	-----	-0.03	+/-0.10	in
Ring Diameter	8.25	8.27	-----	0.020	+/- 0.15	in

Ring Diameter	8.25	8.57	-----	-0.120	+/-0.15	in
ACRt Sonde-I962_S909						
Mud Cell	1.002	-----	-----	0.000	-----	ohm-m
SDLT Pad-P81						
Near(B+D+P+L)	1358.449	1358.840	-----	-0.391	+/-14.900	cps
Far(B+D+P+L)	919.854	923.840	-----	-3.986	+/-16.438	cps
Microlog Pad-M469						
MicroLog Normal	19.94	19.80	-----	0.14	+/-0.80	ohmm
MicroLog Lateral	19.99	19.84	-----	0.15	+/-0.80	ohmm
Data: GARDEN_CITY_T_2I0001 SP-GTET-DSN-SDL-BSAT-ACRT-CHIDLE						
Date: 04-Mar-12 03:40:10						

HALLIBURTON

PARAMETERS REPORT

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

DSNT	NLIT	Neutron Lithology	Limestone	
DSNT	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 Up	
ACRt Sonde	TPOS	Tool Position	Free Hanging	
ACRt Sonde	RMOP	Rmud Source	Mud Cell	
ACRt Sonde	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt Sonde	RMIN	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
BOTTOM				
Data: GARDEN_CITY_T_2I0001 SP-GTET-DSN-SDL-BSAT-ACRT-CHI003 04-Mar-12 02:58 Up @5103.3f				Date: 04-Mar-12 03:40:58

HALLIBURTON				
INPUTS, DELAYS AND FILTERS TABLE				
Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel				
TENS	Tension	0.00	NO	
CH_HOS				
DHTN	DownholeTension	0.00	BLK	0.000
SP Sub				
PLTC	Plot Control Mask	66.58	NO	
SP	Spontaneous Potential	66.58	BLK	1.250
SPR	Raw Spontaneous Potential	66.58	NO	
SPO	Spontaneous Potential Offset	66.58	NO	
GTET				
TDLL	Tension Pull	58.56	NO	

TPUL	Tension Pull	58.56	NO	
GR	Natural Gamma Ray API	58.56	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	58.56	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	58.56	W	1.416 , 0.750
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
DSNT				
TPUL	Tension Pull	48.32	NO	
RNDS	Near Detector Telemetry Counts	48.42	BLK	1.417
RFDS	Far Detector Telemetry Counts	49.17	TRI	0.583
DNTT	DSN Tool Temperature	48.42	NO	
DSNS	DSN Tool Status	48.32	NO	
ERND	Near Detector Telemetry Counts EVR	48.42	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	49.17	BLK	0.000
ENTM	DSN Tool Temperature EVR	48.42	NO	
SDLT				
TPUL	Tension Pull	38.42	NO	
PCAL	Pad Caliper	38.42	TRI	0.250
ACAL	Arm Caliper	38.42	TRI	0.250
BSAT				
TPUL	Tension Pull	27.09	NO	
STAT	Status	27.09	NO	
DLYT	Delay Time	27.09	NO	
SI	Sample Interval	27.09	NO	
TXRX	Raw Telemetry 10 Receivers	27.09	NO	
FRMC	Tool Frame Count	27.09	NO	
ACRt Sonde				
TPUL	Tension Pull	2.97	NO	
F1R1	ACRT 12KHz - 80in R value	9.22	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	9.22	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.72	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.72	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	5.22	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	5.22	BLK	0.000
F1R4	ACRT 12KHz - 17in R value	4.22	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	4.22	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.72	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.72	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.47	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.47	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	9.22	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	9.22	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.72	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.72	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	5.22	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	5.22	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	4.22	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	4.22	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.72	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.72	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.47	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.47	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	9.22	BLK	0.000

F3X1	ACRT 72KHz - 80in X value	9.22	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.72	BLK	0.000
F3X2	ACRT 72KHz - 50in X value	6.72	BLK	0.000
F3R3	ACRT 72KHz - 29in R value	5.22	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	5.22	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	4.22	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	4.22	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.72	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.72	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.47	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.47	BLK	0.000
RMUD	Mud Resistivity	12.76	BLK	0.000
F1RT	Transmitter Reference 12 KHz Real Signal	2.97	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.97	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.97	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.97	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.97	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.97	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.97	BLK	0.000
TFPL	Lower Feedpipe Temperature Calculated	2.97	BLK	0.000
ITMP	Instrument Temperature	2.97	BLK	0.000
TCVA	Temperature Correction Values Loop Off	2.97	NO	
TIDV	Instrument Temperature Derivative	2.97	NO	
TUDV	Upper Temperature Derivative	2.97	NO	
TLDV	Lower Temperature Derivative	2.97	NO	
TRBD	Receiver Board Temperature	2.97	NO	
SDLT Pad				
TPUL	Tension Pull	38.41	NO	
NAB	Near Above	38.24	BLK	0.920
NHI	Near Cesium High	38.24	BLK	0.920
NLO	Near Cesium Low	38.24	BLK	0.920
NVA	Near Valley	38.24	BLK	0.920
NBA	Near Barite	38.24	BLK	0.920
NDE	Near Density	38.24	BLK	0.920
NPk	Near Peak	38.24	BLK	0.920
NLI	Near Lithology	38.24	BLK	0.920
NBAU	Near Barite Unfiltered	38.24	BLK	0.250
NLIU	Near Lithology Unfiltered	38.24	BLK	0.250
FAB	Far Above	38.58	BLK	0.250
FHI	Far Cesium High	38.58	BLK	0.250
FLO	Far Cesium Low	38.58	BLK	0.250
FVA	Far Valley	38.58	BLK	0.250
FBA	Far Barite	38.58	BLK	0.250
FDE	Far Density	38.58	BLK	0.250
FPK	Far Peak	38.58	BLK	0.250
FLI	Far Lithology	38.58	BLK	0.250
PTMP	Pad Temperature	38.42	BLK	0.920
NHV	Near Detector High Voltage	37.81	NO	
FHV	Far Detector High Voltage	37.81	NO	
ITMP	Instrument Temperature	37.81	NO	
DDHV	Detector High Voltage	37.81	NO	
Microlog Pad				
TPUL	Tension Pull	38.60	NO	
MINV	Microlog Lateral	38.60	BLK	0.750

COMPANY	Microlog Normal	38.60	BLK	0.750
MNOR	Microlog Normal	38.60	BLK	0.750
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COMPANY	OXY USA INC		
WELL	GARDEN CITY T-2		
FIELD	GARDEN CITY		
COUNTY	FINNEY	STATE	KANSAS
HALLIBURTON		MICROLOG	