

DIRECTIONAL INFORMATION

Maximum Deviation @ KOP @
 CLIENT REPORTED VERTICAL WELL
 Remarks: GTET-DSNT-SDLT-BSAT-ACRT
 ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING
 DETAILED SECTION LOGGED TO 3,630 FT AS PER CLIENT REQUEST
 CHLORIDES REPORTED AT 1000 PPM
 NO POST-CALS COMPLETED AS PER CLIENT REQUEST
 RIG: DUKE DRILLING RIG 9
 CREW: K. FITZPATRICK, R. BLANKENSHIP
 THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES -- EL RENO, OK -- 405.278.9685

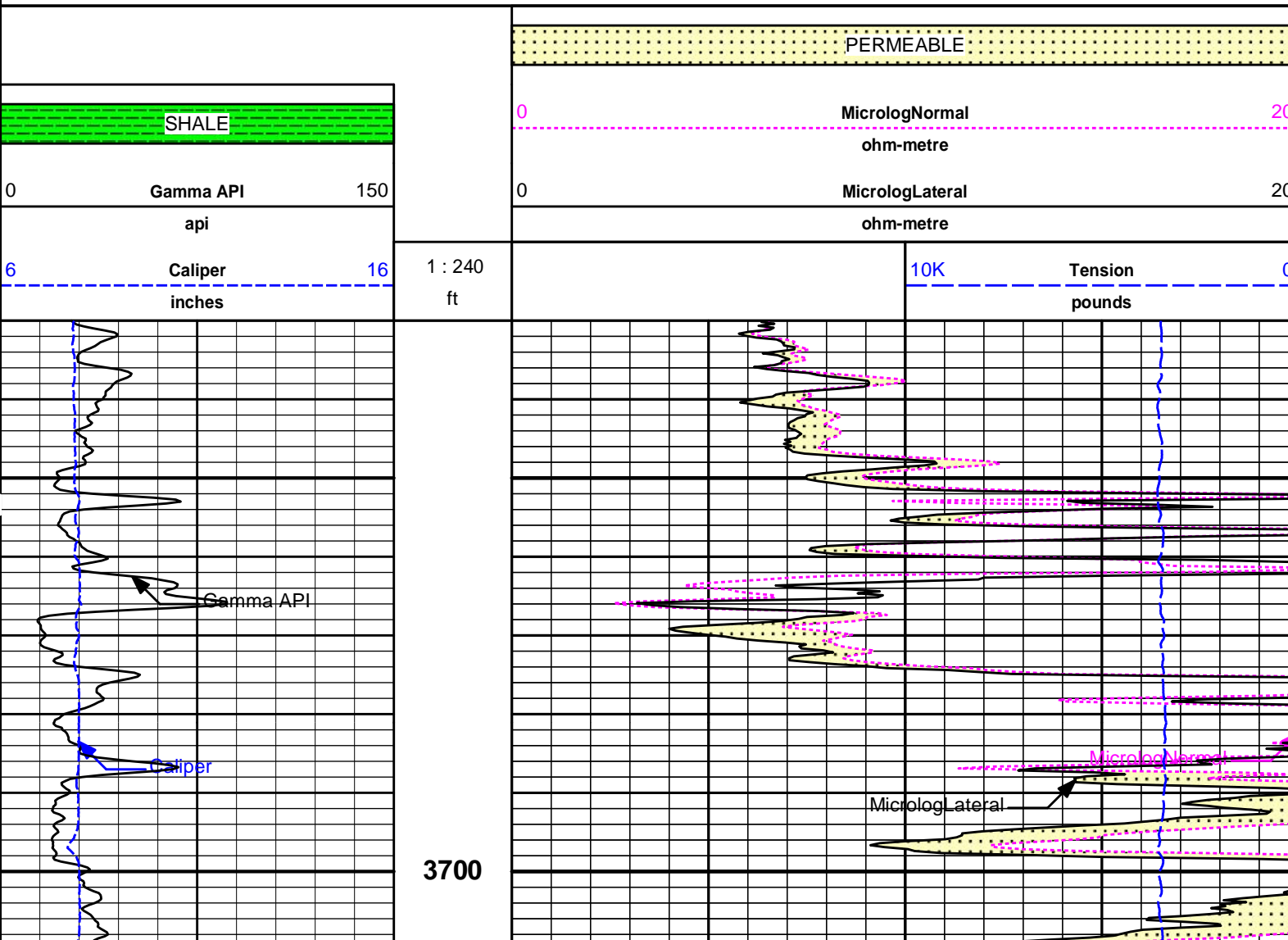
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR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

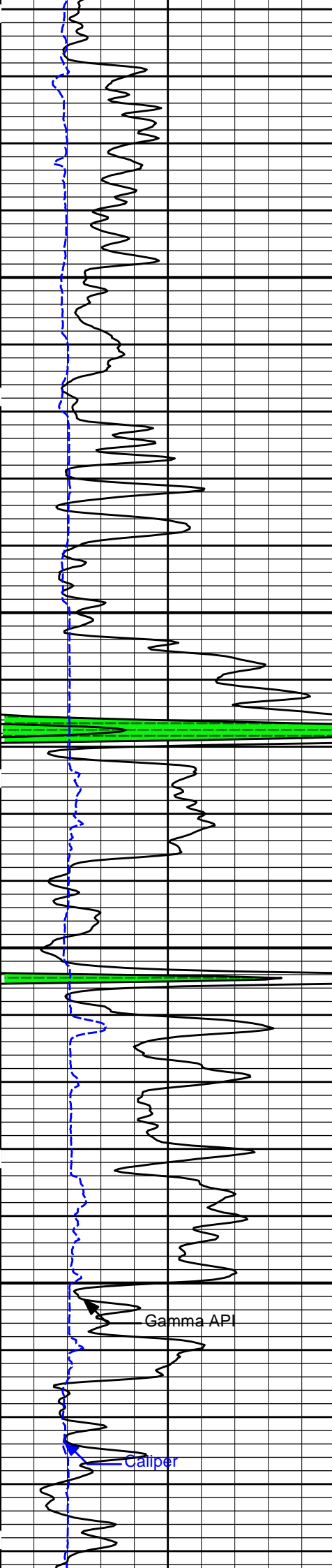
HALLIBURTON



Plot Time: 18-Oct-17 03:59:16
 Plot Range: 3630 ft to 6607.5 ft
 Data: MERIT_LCSLU 108\Well Based\PORO
 Plot File: \\-LOCAL-MERIT_LCSLU 108\0001 GTET-DSN-SDL-FLX-BSAT-ACRT\MICROWMicrolog_IQ_5_main

5 INCH MAIN LOG



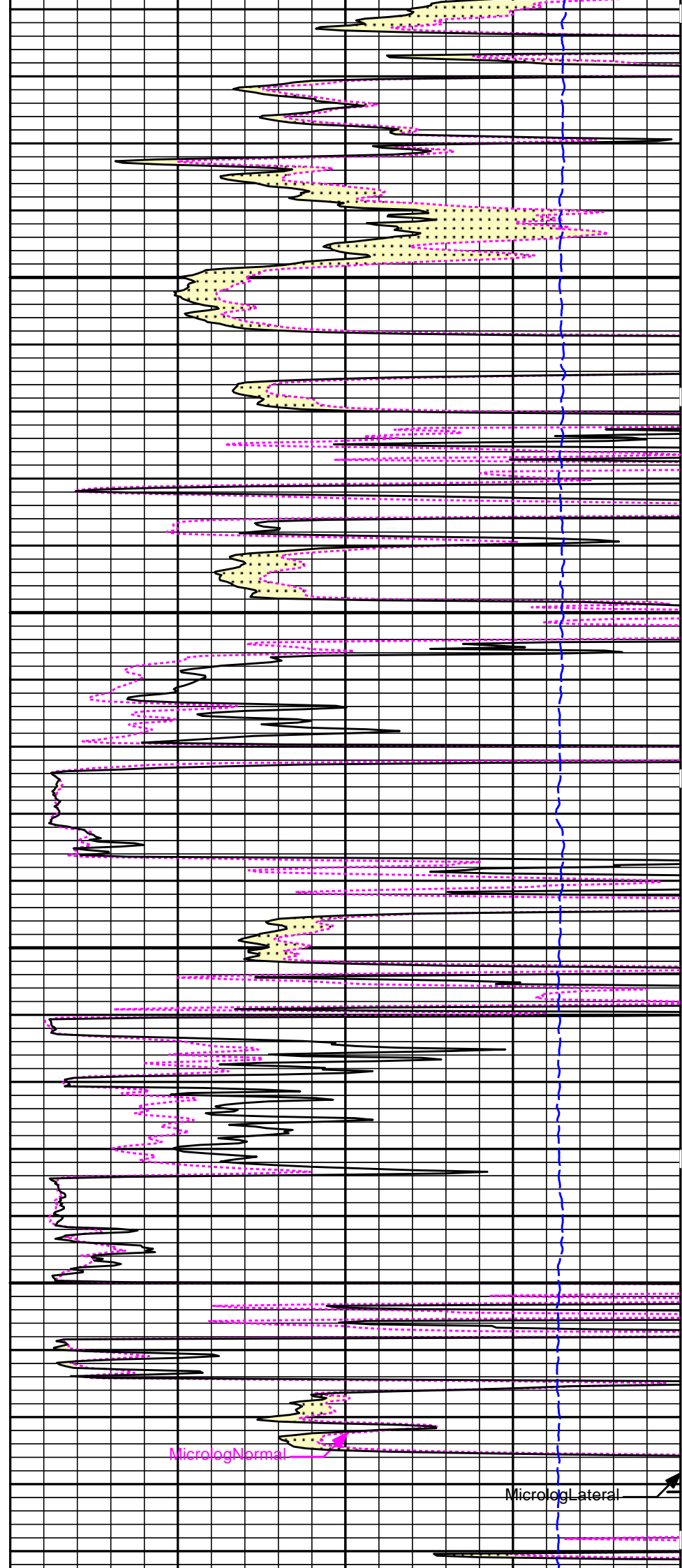


3800

3900

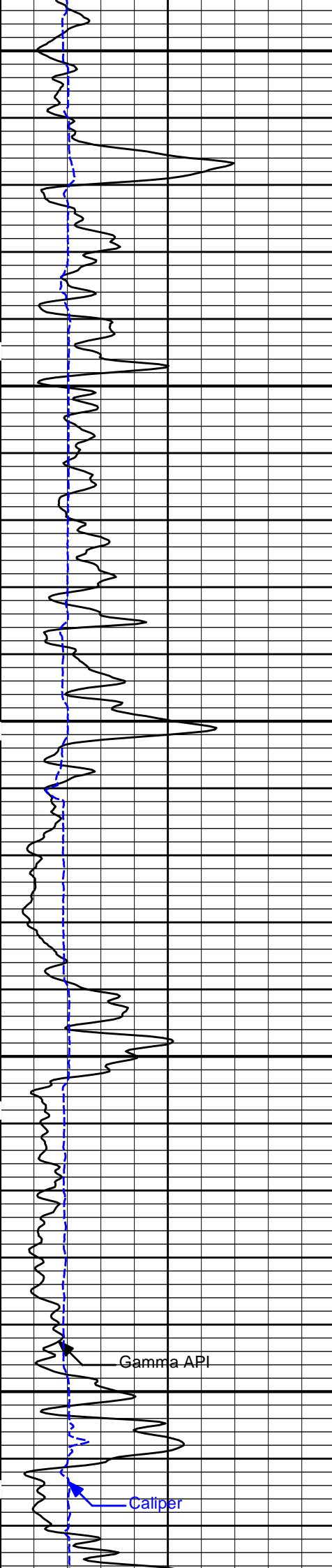
Gamma API

Caliper



MicrologNormal

MicrologLateral

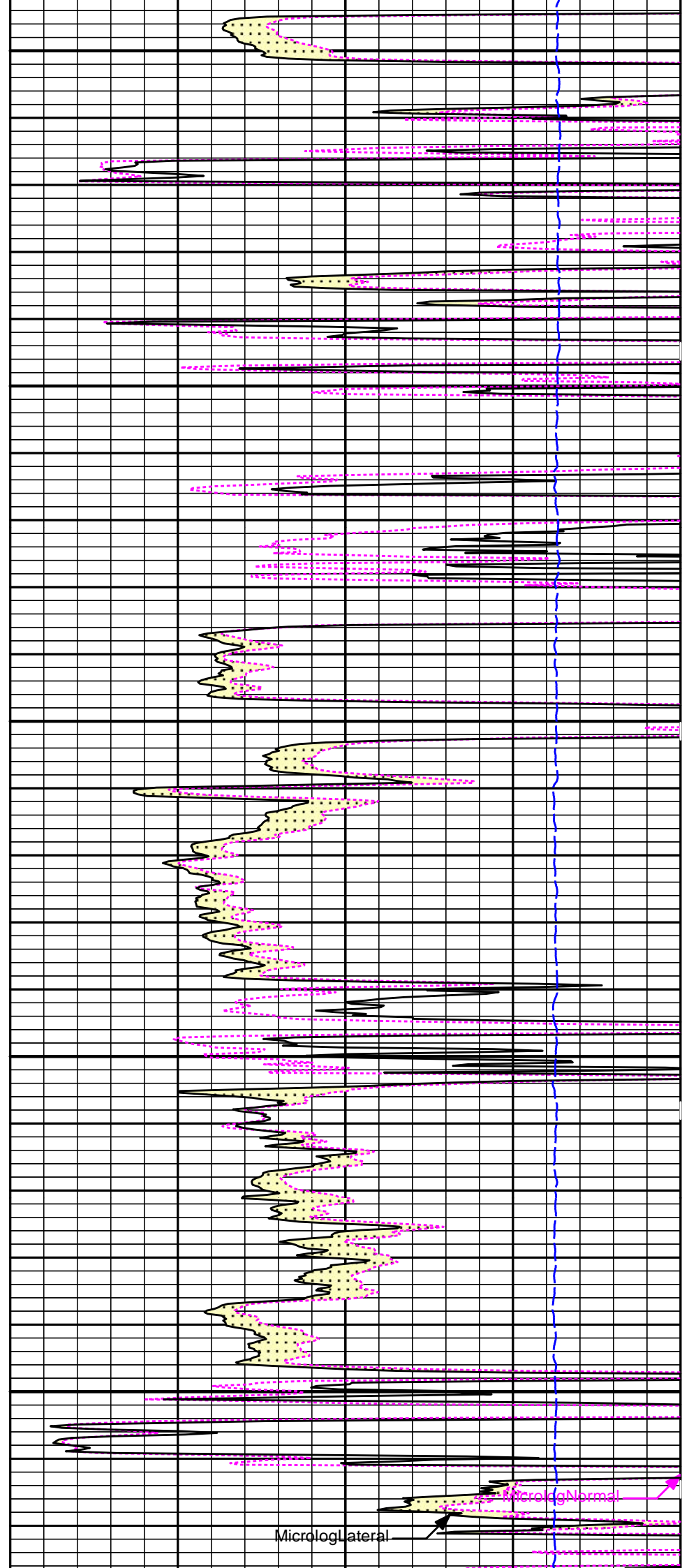


4000

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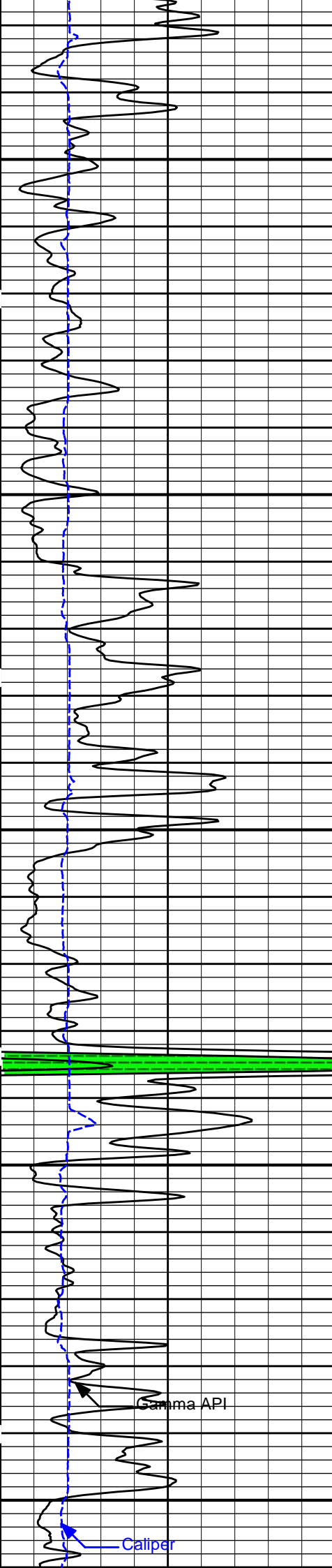
Gamma API

Caliper



MicrologLateral

MicrologNormal



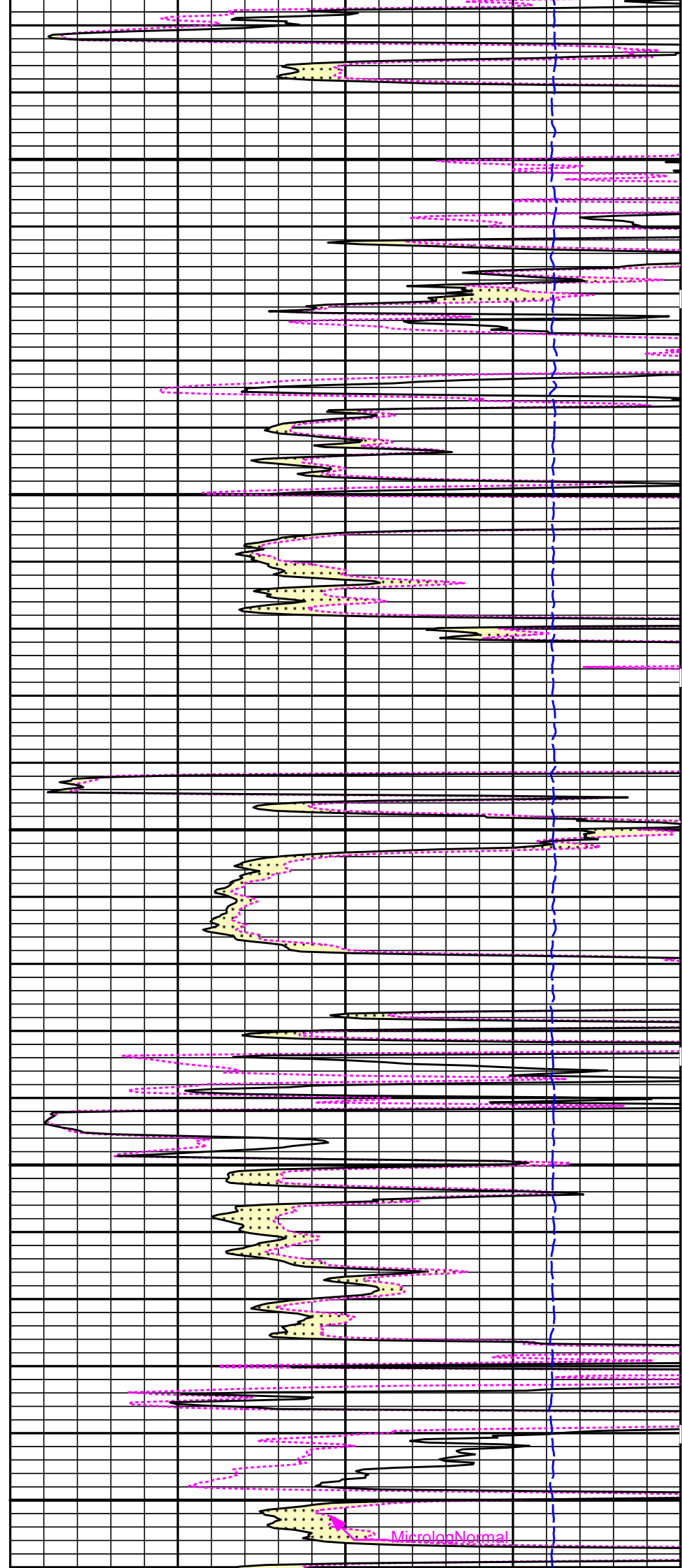
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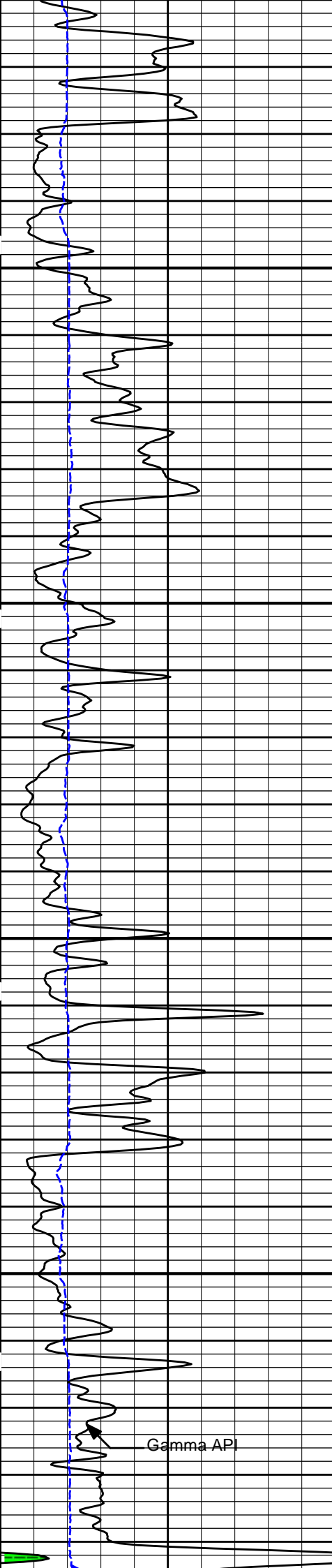
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Gamma API

Caliper



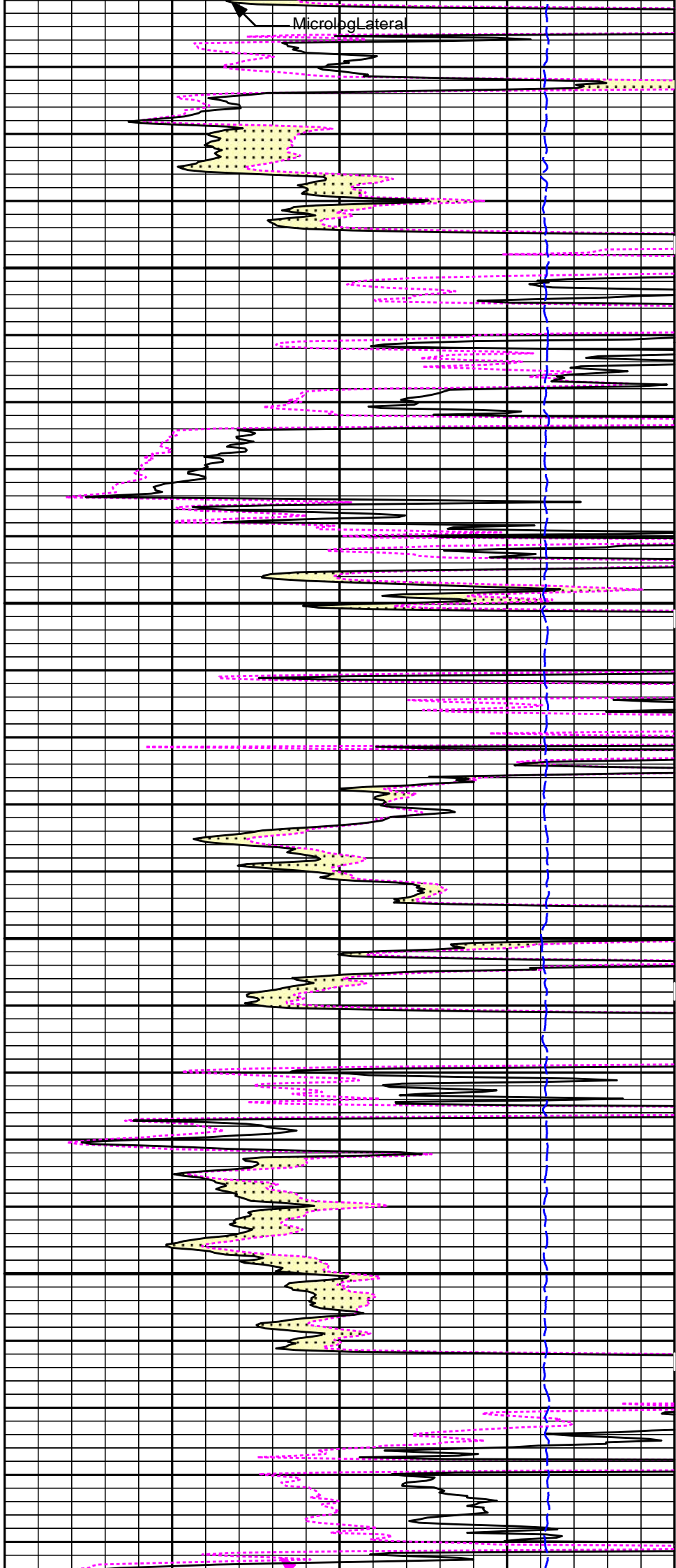
MicrologNormal



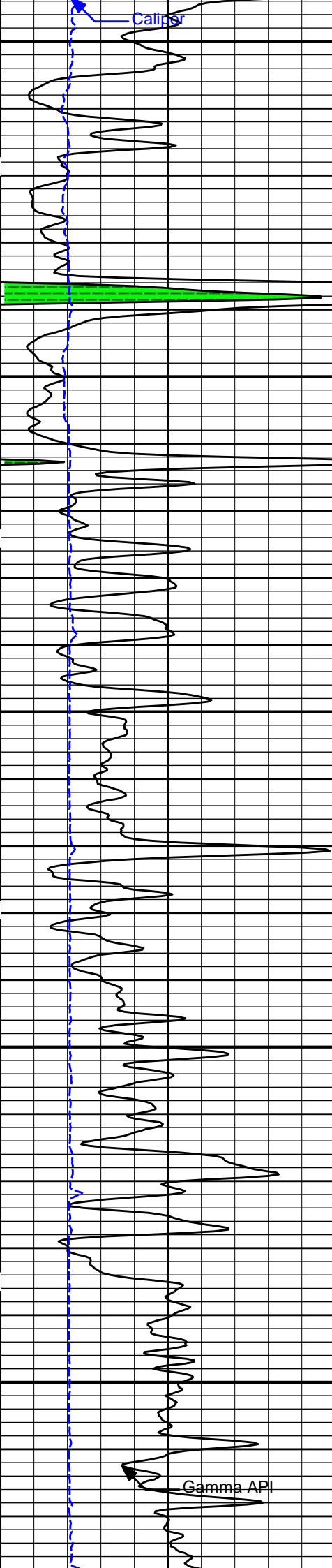
Gamma API

4500

4600

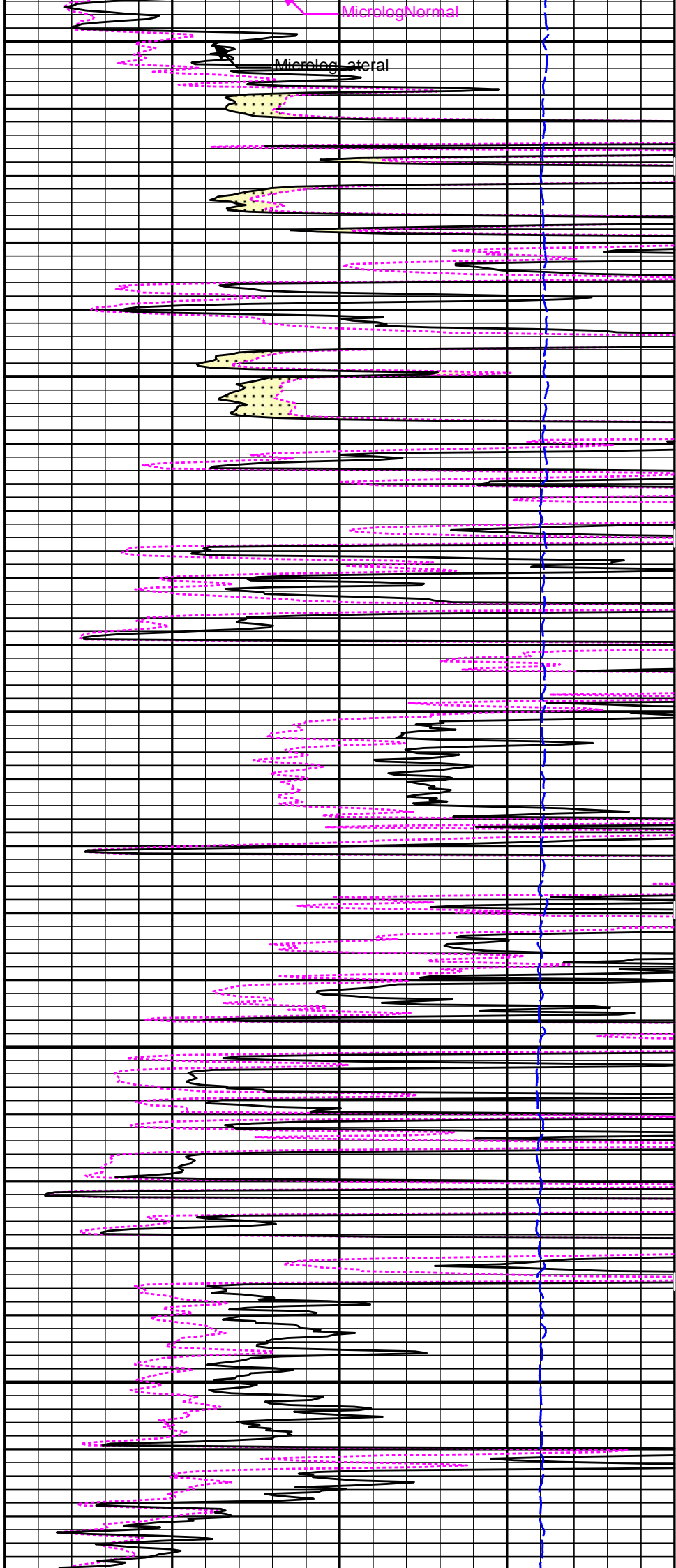


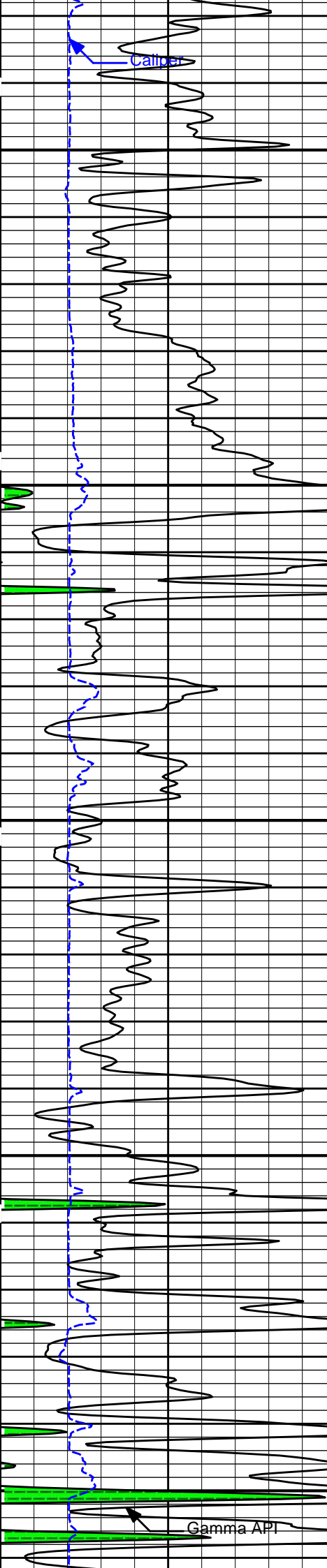
Microlog Latera



4700

4800

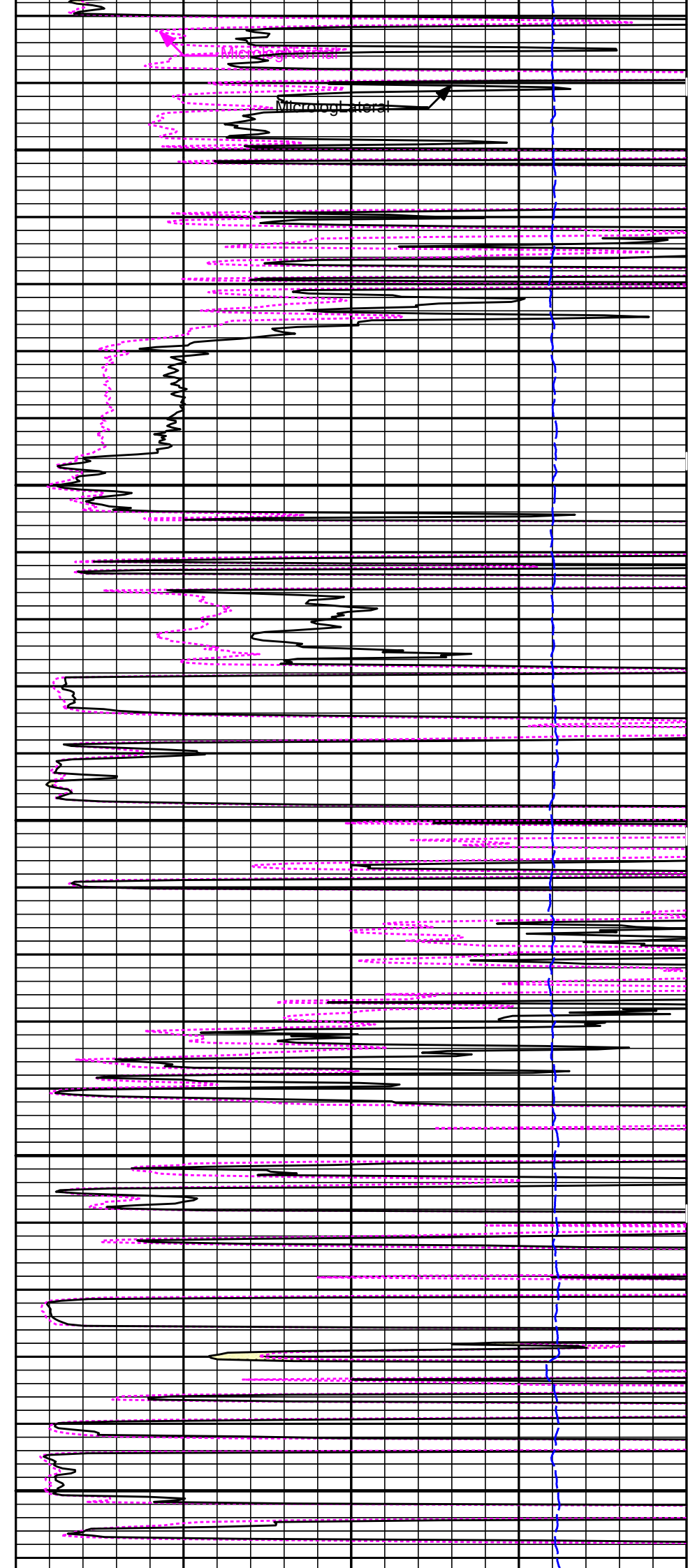


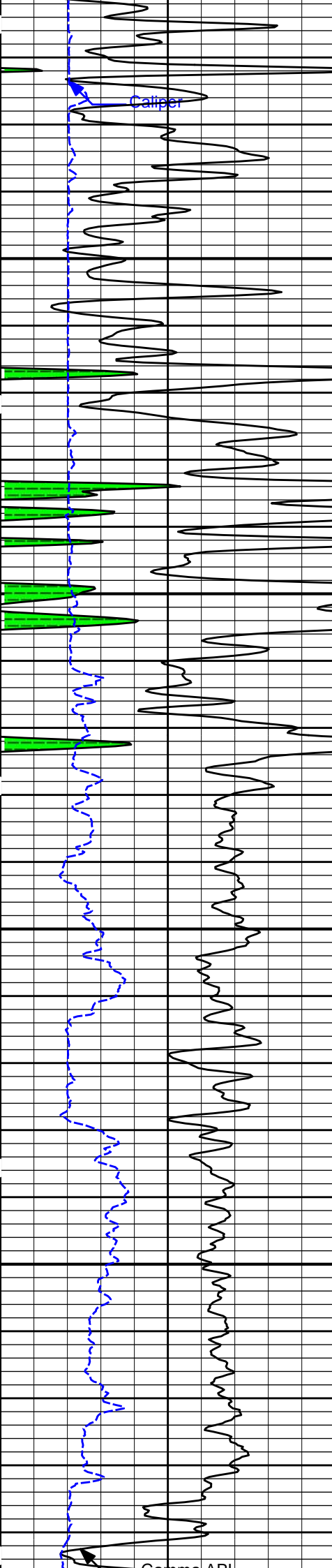


4900

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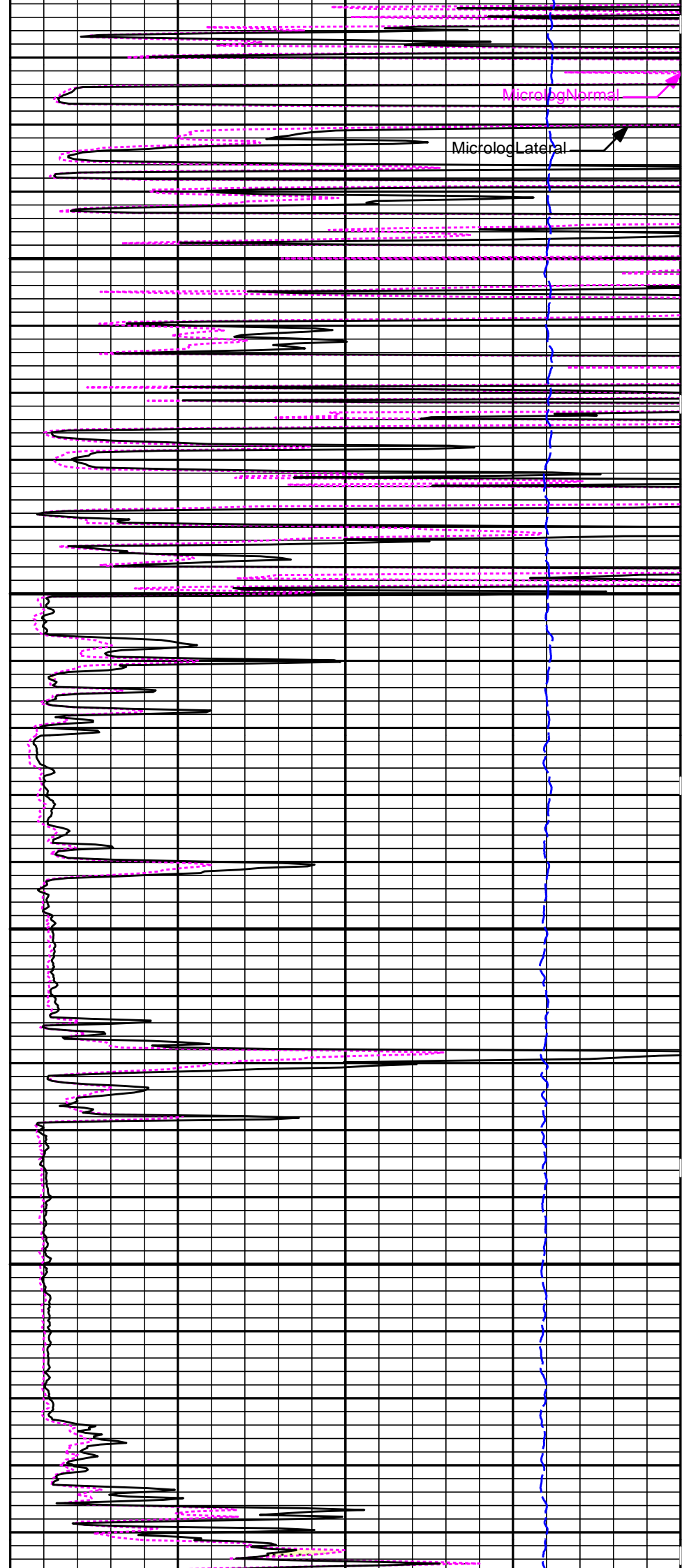
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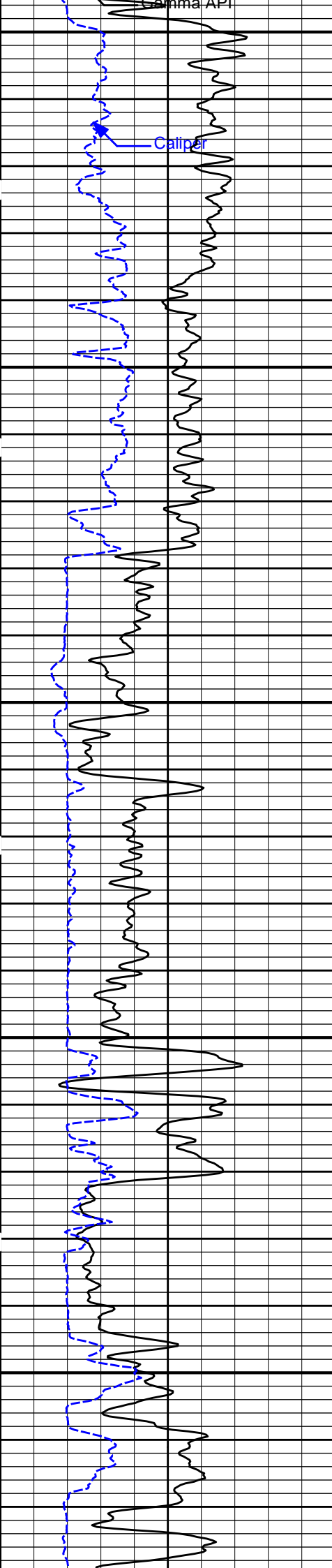




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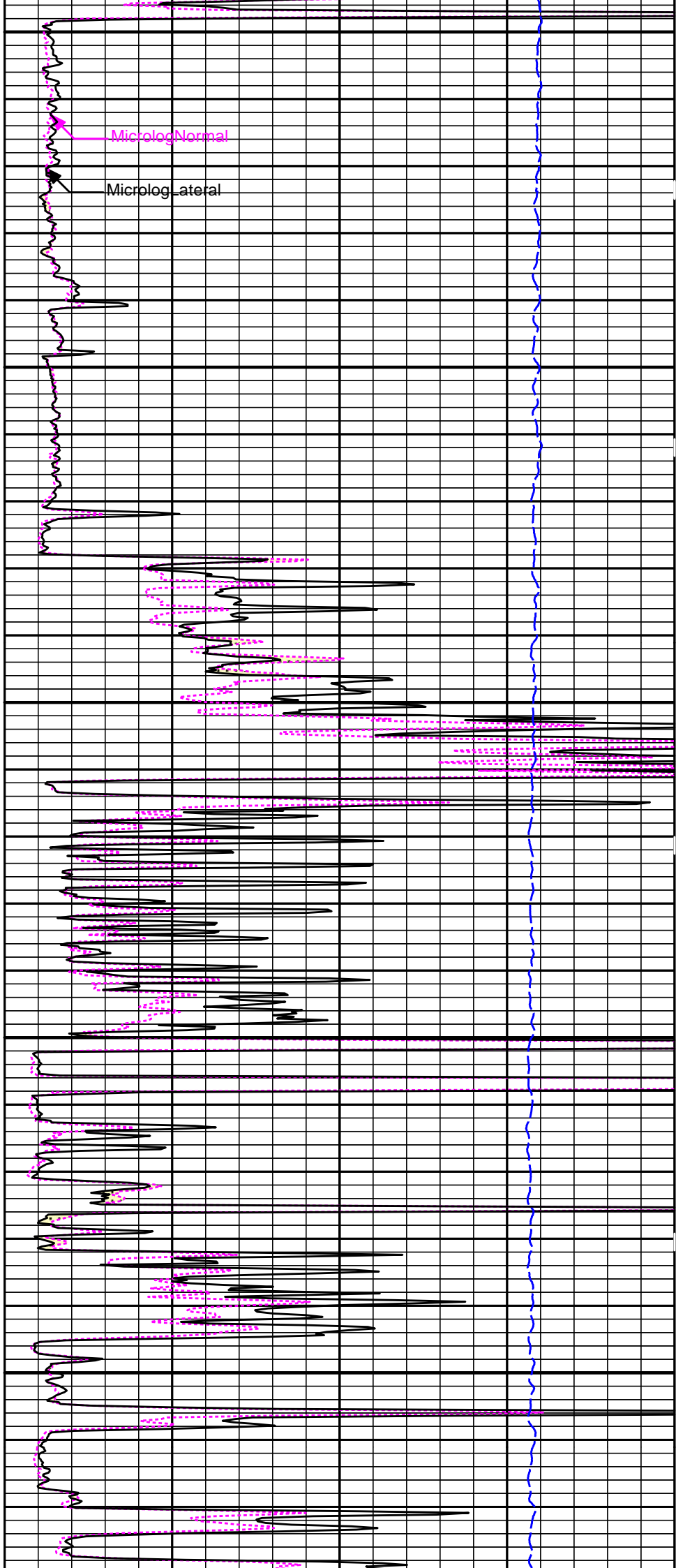
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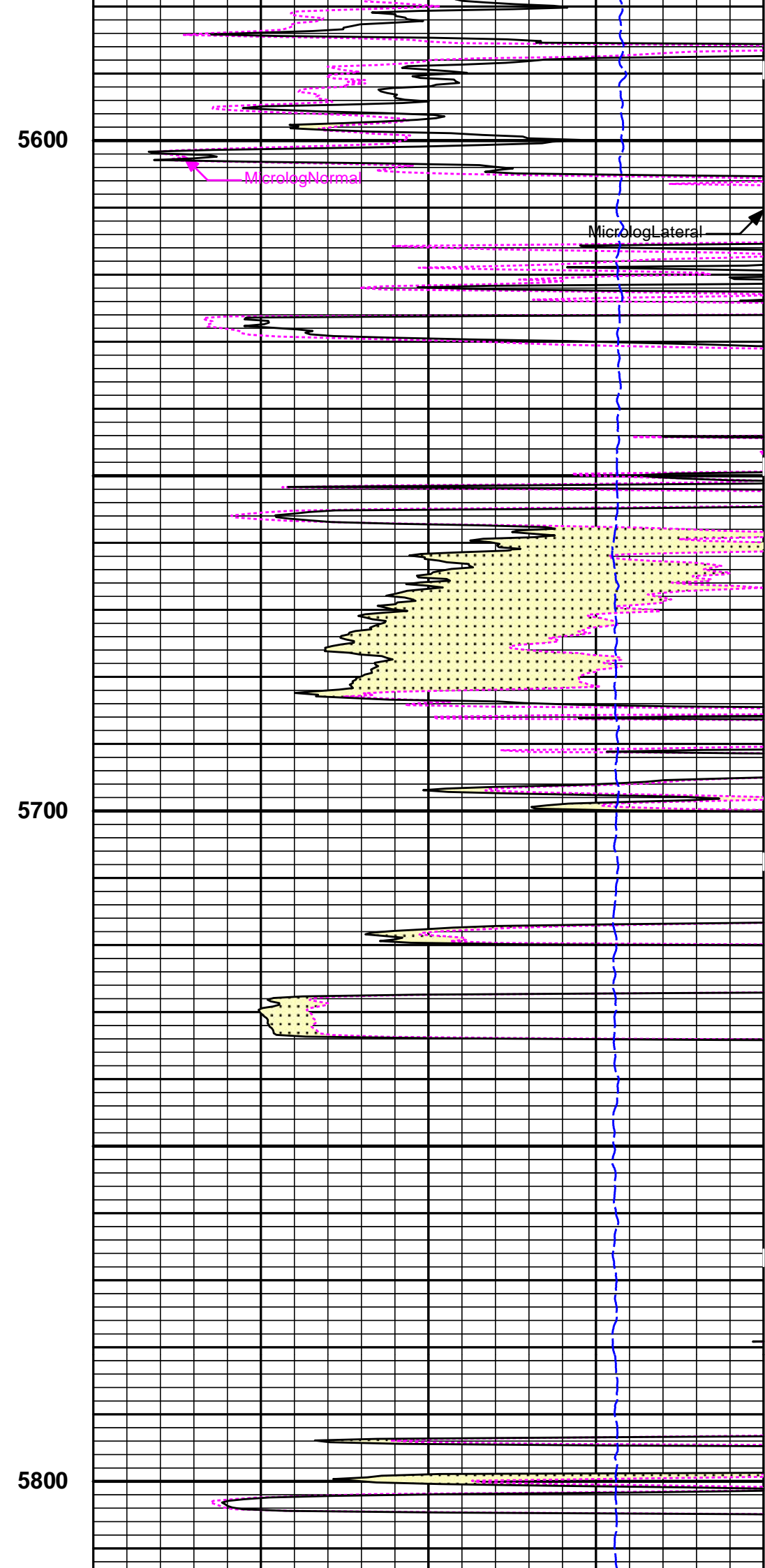
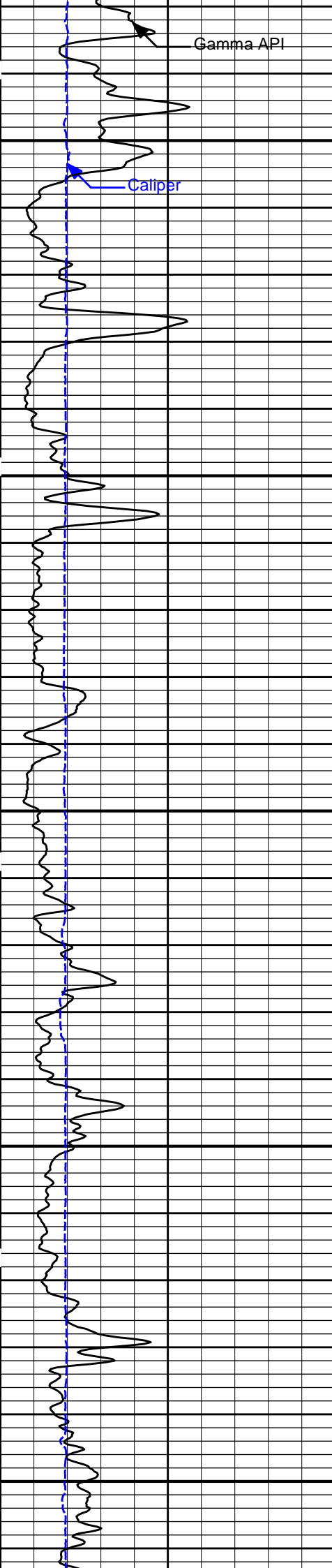


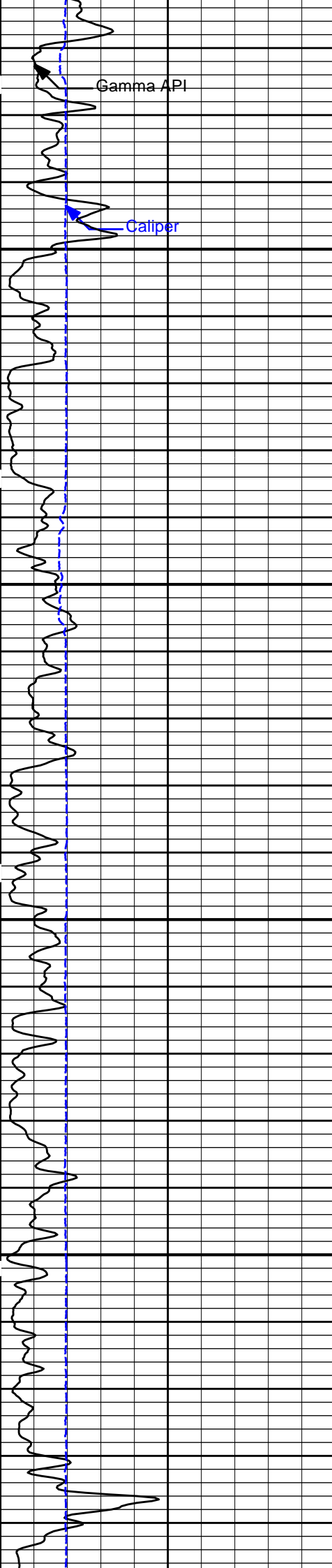


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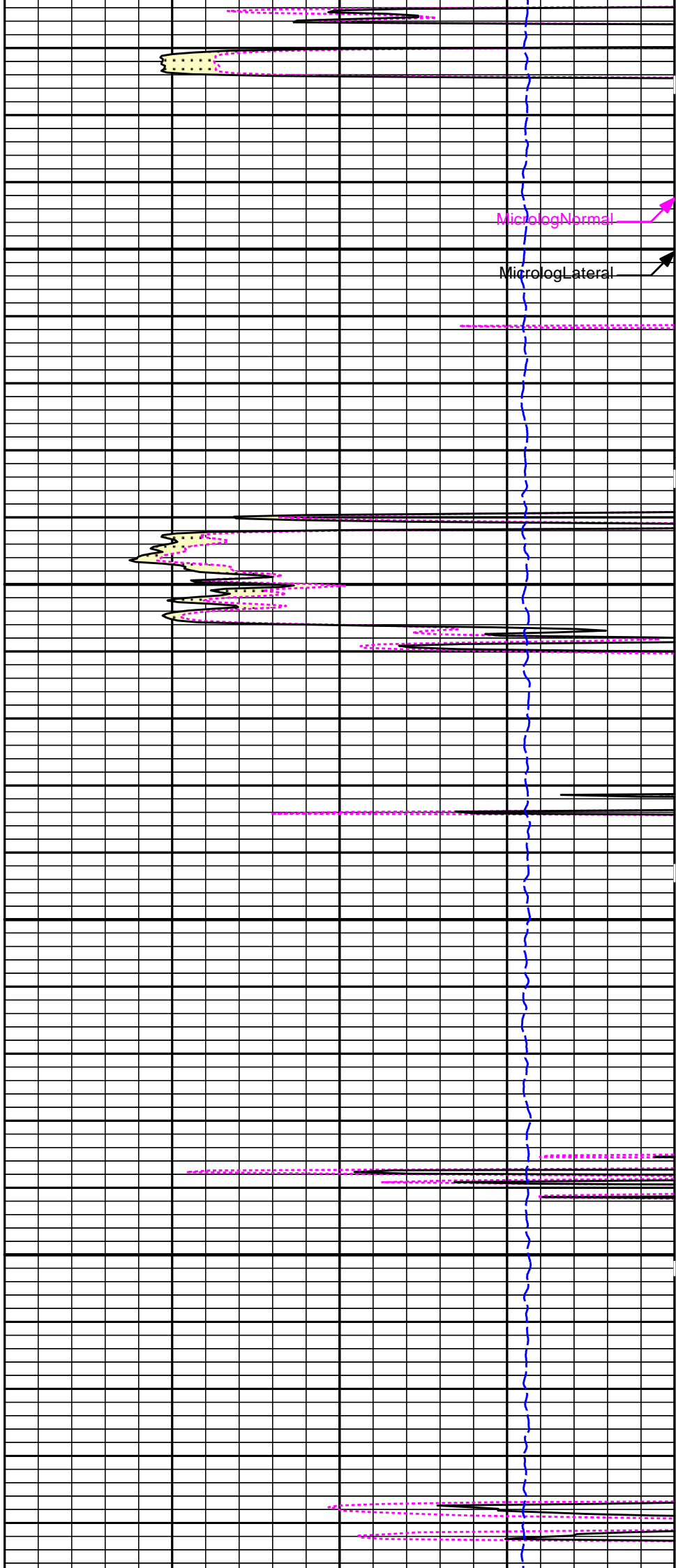


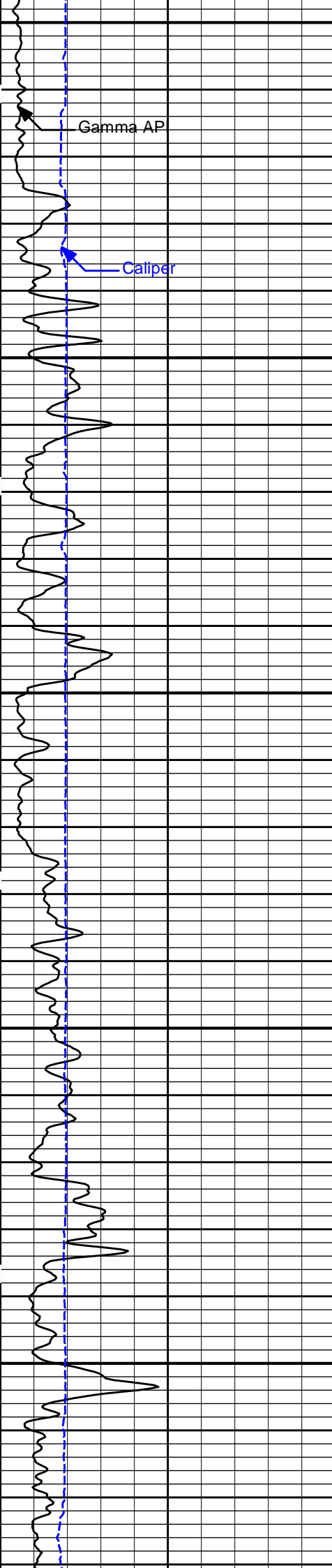




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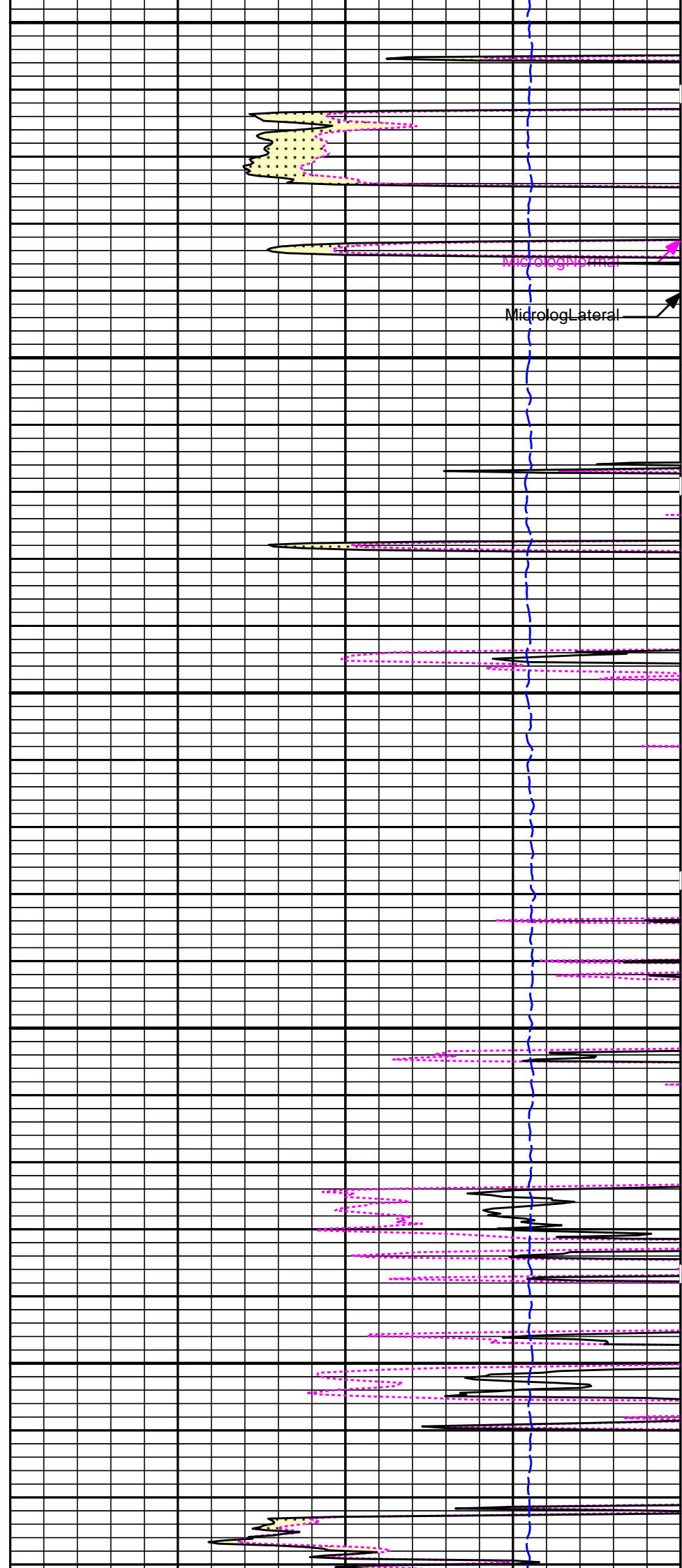
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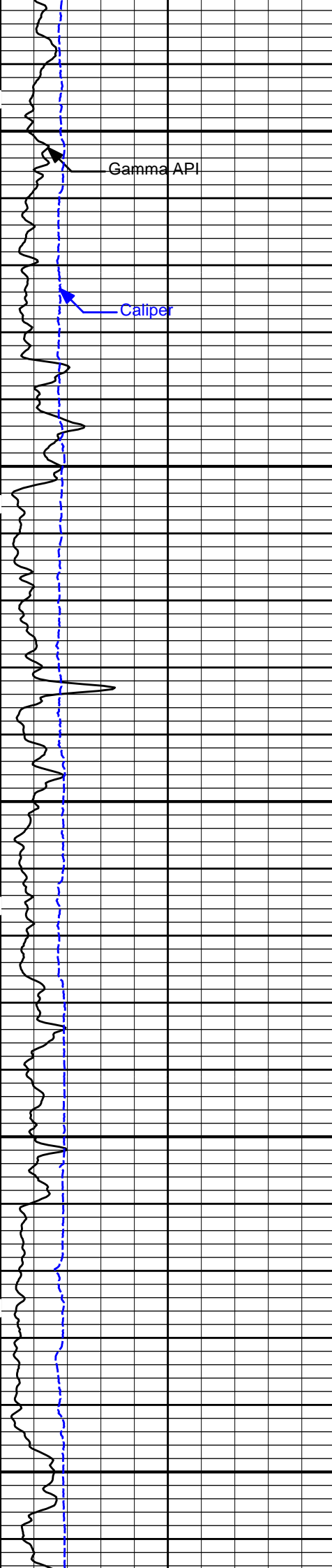




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6200





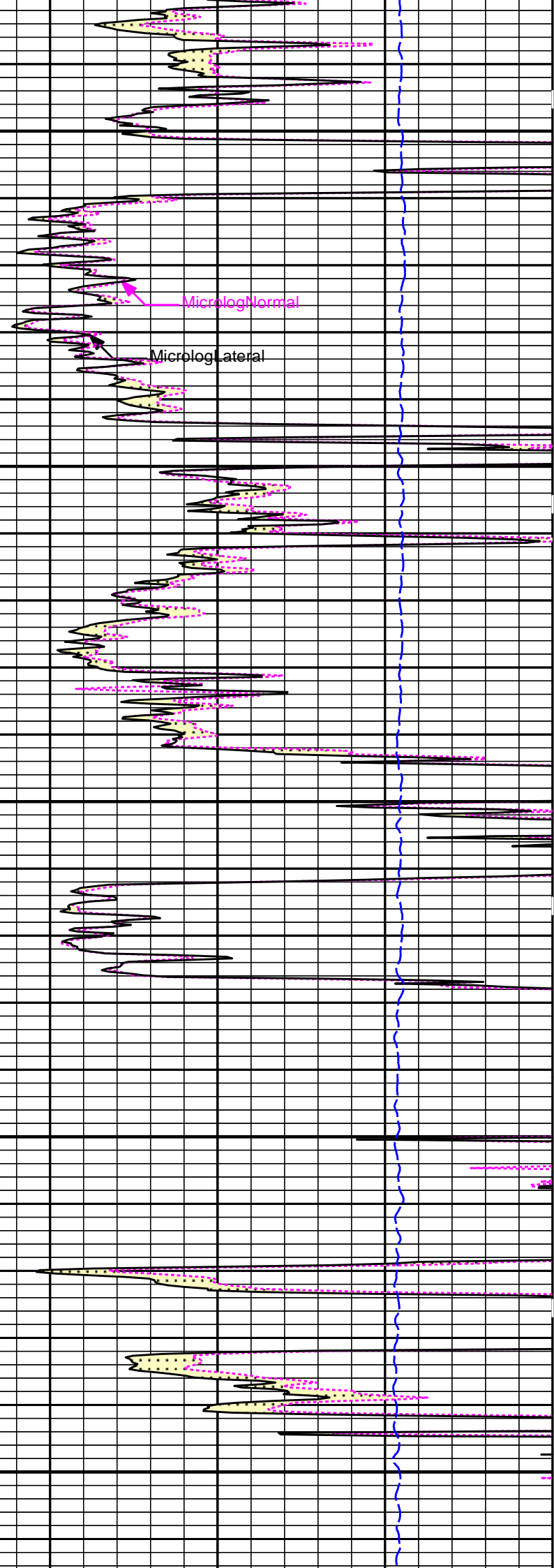
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Gamma API

Caliper

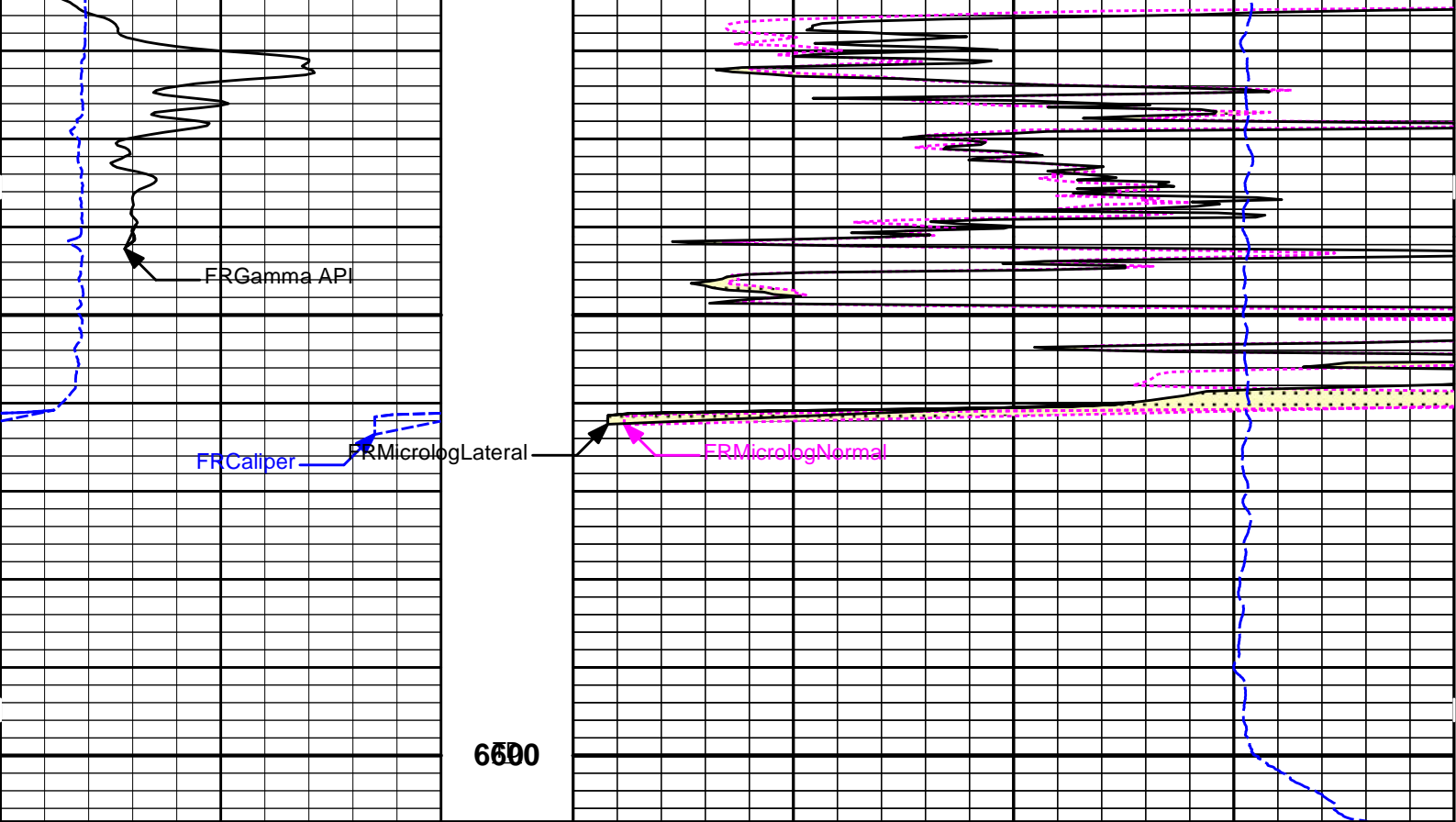
6400

6500



MicrologNormal

MicrologLateral



6	Caliper	16	1 : 240	10K	Tension	0
	inches		ft		pounds	
0	Gamma API	150		0	MicrologLateral	20
	api				ohm-metre	
	SHALE			0	MicrologNormal	20
					ohm-metre	
					PERMEABLE	

HALLIBURTON

Plot Time: 18-Oct-17 03:59:21
 Plot Range: 3630 ft to 6607.5 ft
 Data: MERIT_LCSLU 108\Well Based\PORO\
 Plot File: \\-LOCAL-MERIT_LCSLU 108\0001 GTET-DSN-SDL-FLX-BSAT-ACRT\MICROWMicrolog_IQ_5_main

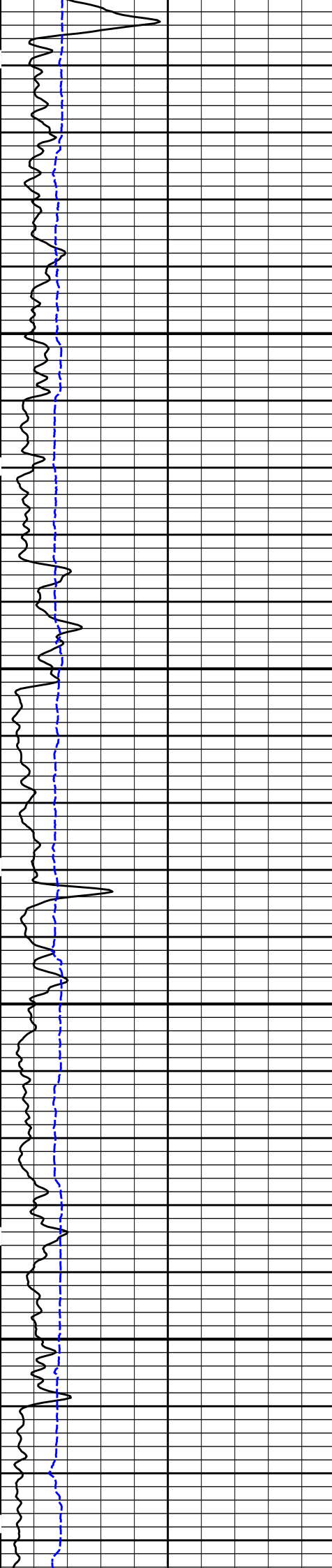
5 INCH MAIN LOG

HALLIBURTON

Plot Time: 18-Oct-17 03:59:21
 Plot Range: 6250 ft to 6605.67 ft
 Data: MERIT_LCSLU 108\Well Based\REPEAT\
 Plot File: \\-LOCAL-MERIT_LCSLU 108\0001 GTET-DSN-SDL-FLX-BSAT-ACRT\MICROWMicrolog_IQ_5_rep

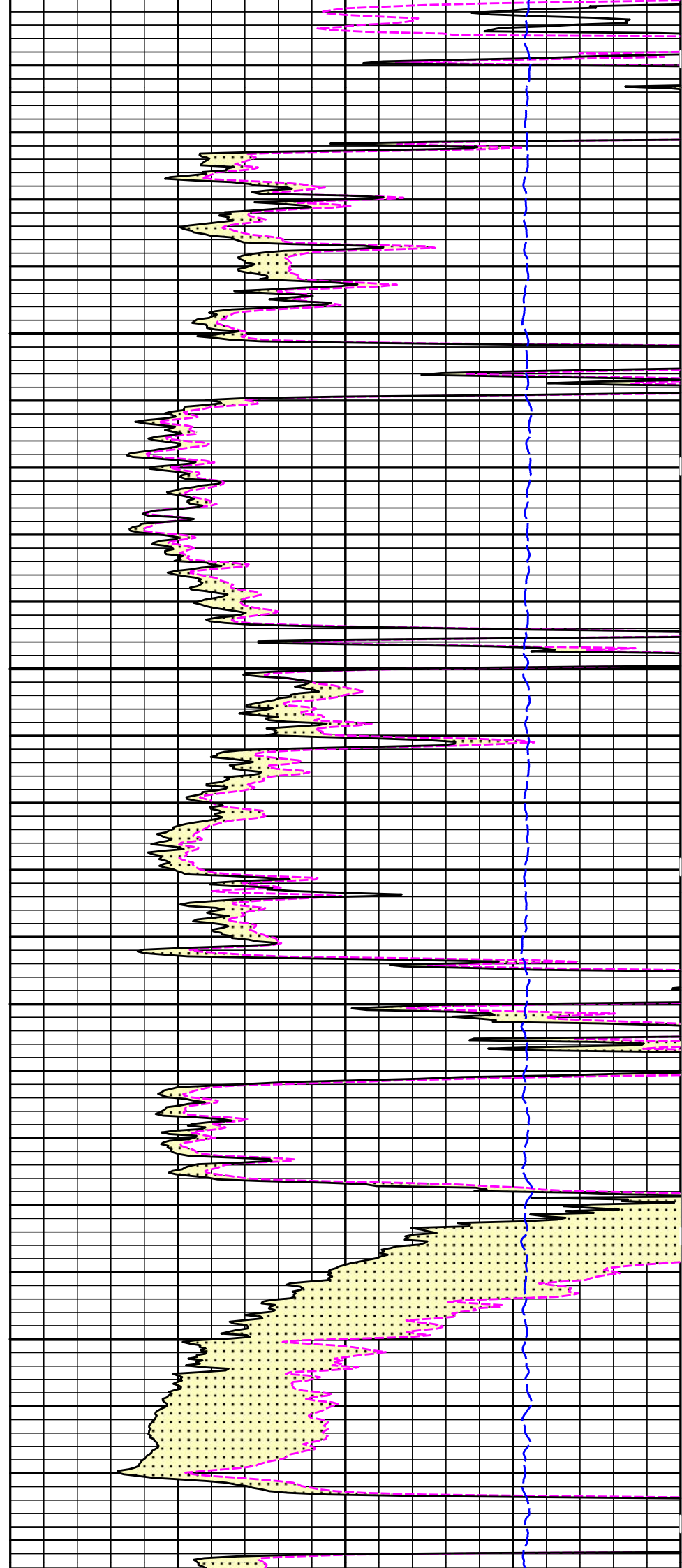
REPEAT SECTION

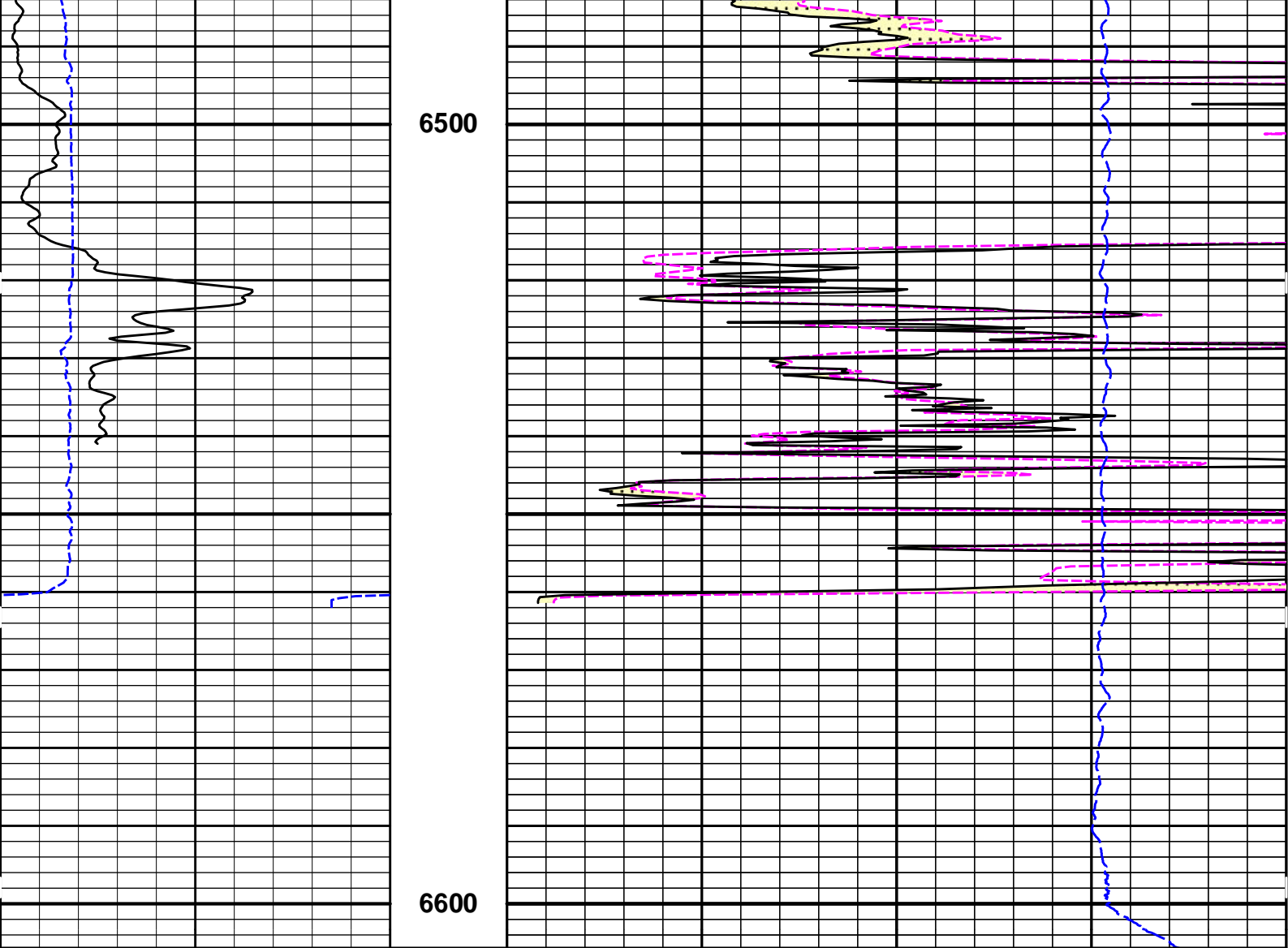
					PERMEABLE	
	SHALE			0	MicrologNormal	20
					ohm-metre	
6	Caliper	16		0	MicrologLateral	20
	inches				ohm-metre	
0	Gamma API	150	1 : 240	10K	Tension	0
	api		ft		pounds	



6300

6400





0	Gamma API	150	1 : 240 ft	10K	Tension	0	
	api					pounds	
6	Caliper	16	0	0	MicrologLateral	20	
	inches					ohm-metre	
	SHALE				0	MicrologNormal	20
					ohm-metre		
					PERMEABLE		

HALLIBURTON

Plot Time: 18-Oct-17 03:59:23
 Plot Range: 6250 ft to 6605.67 ft
 Data: MERIT_LCSLU 108\Well Based\REPEAT\
 Plot File: \\-LOCAL-MERIT_LCSLU 108\0001 GTET-DSN-SDL-FLX-BSAT-ACRT\MICRO\Microlog_IQ_5_rep

REPEAT SECTION

COMPANY	MERIT ENERGY COMPANY, LLC		
WELL	LCSLU 108 (WSW)		
FIELD	BIG SKY		
COUNTY	GRANT	STATE	KANSAS

