

HALLIBURTON

BOREHOLE
SONIC ARRAY
LOG

COMPANY WELL FIELD/BLOCK COUNTY STATE				MERIT ENERGY COMPANY WENU 505 EUBANK NORTH HASKELL KANSAS			
COMPANY WELL FIELD/BLOCK COUNTY STATE				MERIT ENERGY COMPANY WENU 505 EUBANK NORTH HASKELL KANSAS			
Permanent Datum Log measured from Drilling measured from				GL KB KB 12.0 ft above perm. Datum Elev. 3077.0 ft D.F. G.L. 3089.0 ft 3077.0 ft			
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				24-Nov-19 ONE 5580.0 ft 5579.0 ft 5562.00 ft 1750.00 ft 8.625 in 1750.0 ft 7.875 in Water Based Mud 9.20 g/cc 10.50 pH MUDPIT 1.13 ohmm 1.02 ohmm 1.25 ohmm MEAS 0.68 ohmm 4.0 hr 24-Nov-19 16:00 129.00 degF 12147634 JORGE ORLANDO PEREZ MARTIN LANGE			

Other Services:
DSNT/SDLT
MICROLOG
BSAT
ACRT

Fold here

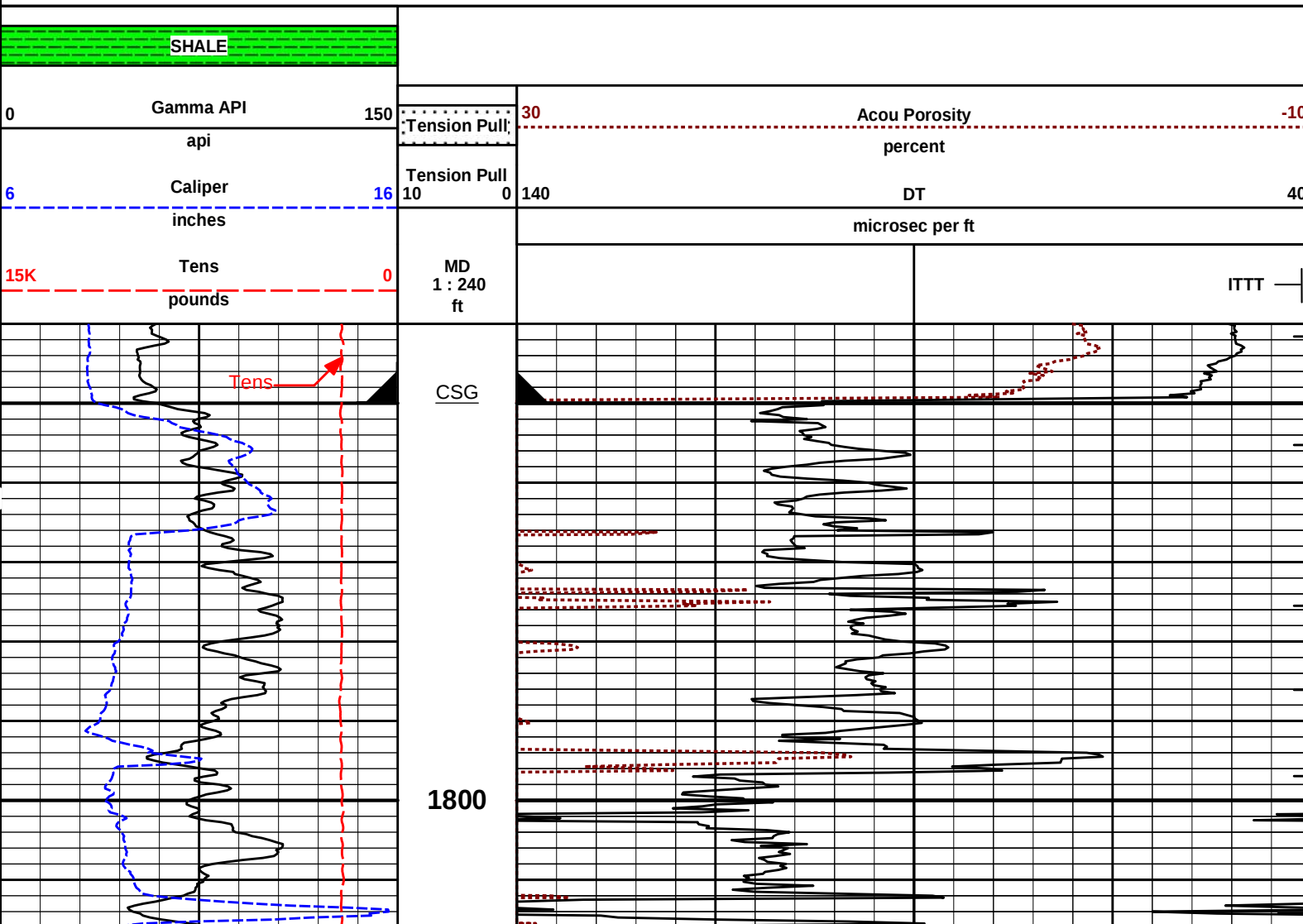
Service Ticket No.: 906120593						API No.: 15081222070000						PGM Version: WL INSITE R6.2.7 (Build 7)					
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE								RESISTIVITY SCALE CHANGES									
Date	Sample No.						Type Log	Depth		Scale Up Hole		Scale Down Hole					
Depth-Driller																	
Type Fluid 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.			@			@				I-12109517							
Source Rmf	Rmc									S-12109515							
Rm @ BHT			@			@											
Rmf @ BHT			@			@											
Rmc @ BHT			@			@											
EQUIPMENT DATA																	
GAMMA				ACOUSTIC				DENSITY				NEUTRON					
Run No.		ONE		Run No.		ONE		Run No.		ONE		Run No.		ONE			
Serial No.		11958947		Serial No.		10747686		Serial No.		10951315		Serial No.		10993115			
Model No.		GTET		Model No.		BSAT		Model No.		SDLT		Model No.		DSNT			
Diameter		3.625"		No. of Cent.		2		Diameter		5.5"		Diameter		3.625"			
Detector Model No.		T-102		Spacing		EVEN		Log Type		GAM-GAM		Log Type		NEU-NEU			
Type		SCINT						Source Type		CS137		Source Type		AM241BE			
Length		8"		LSA [Y/N]				Serial No.		5471GW		Serial No.		DSN-424			
Distance to Source		N/A		FWDA [Y/N]				Strength		1.78 Ci		Strength		15.0 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	TD	CSG	REC	0	150	30	-10	47.6 uSec/ft	30	-10	2.71 gr/cc	30	-10	LIME			

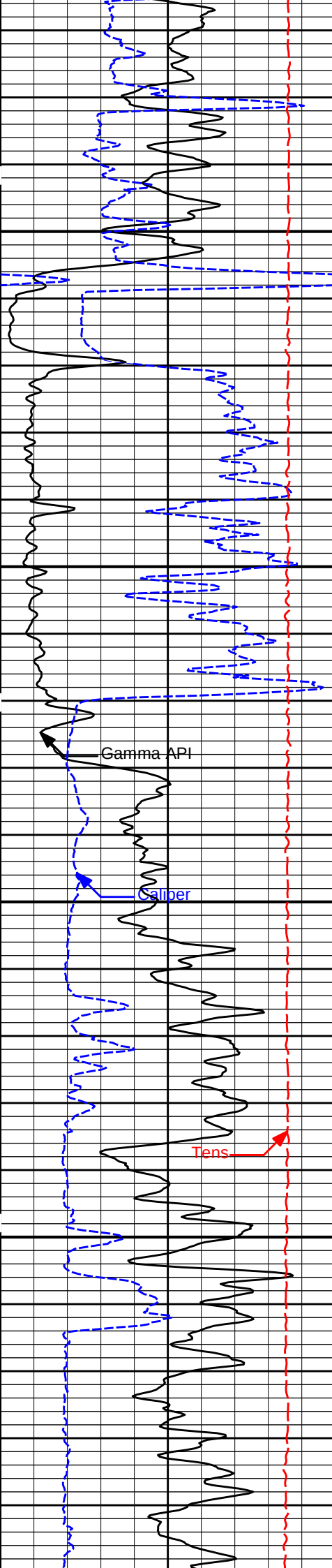
DIRECTIONAL INFORMATION														
Maximum Deviation @									KOP @					
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING														
CHLORIDES REPORTED AT 1800 ppm														
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA 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: 24-Nov-19 18:02:41
Plot Range: 1740 ft to 5584.25 ft
Data: WENU-505\Well Based\MAIN\
Plot File: \\BSAT\BSAT_5_MAIN_LIB

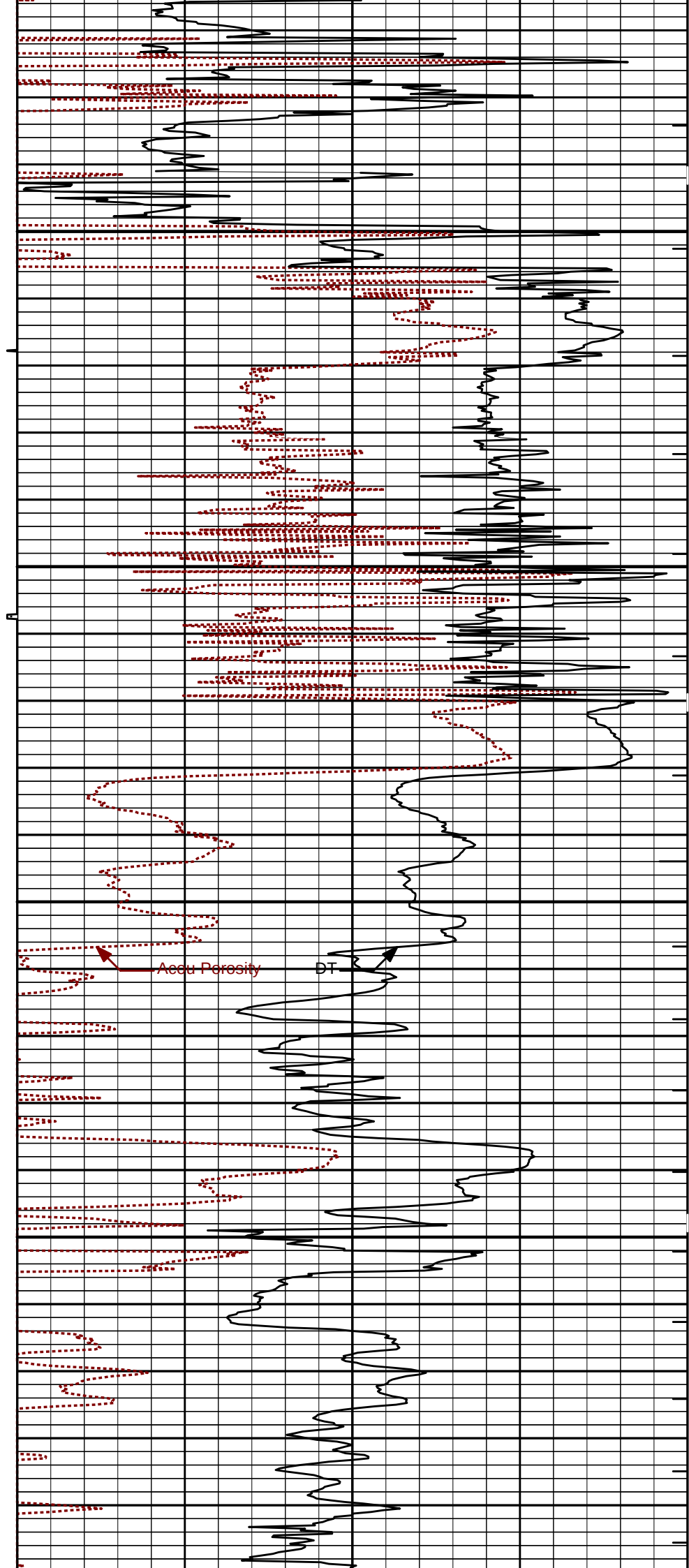
5 INCH MAIN LOG

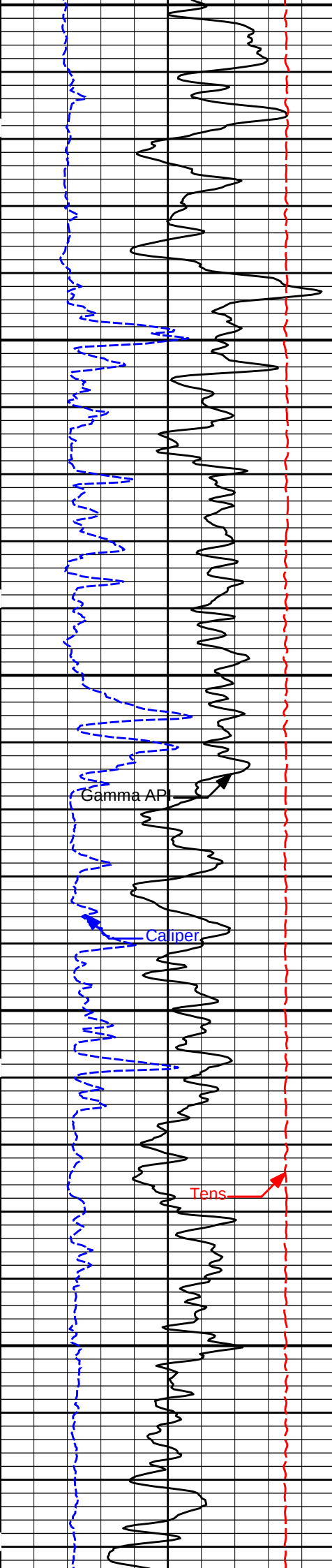




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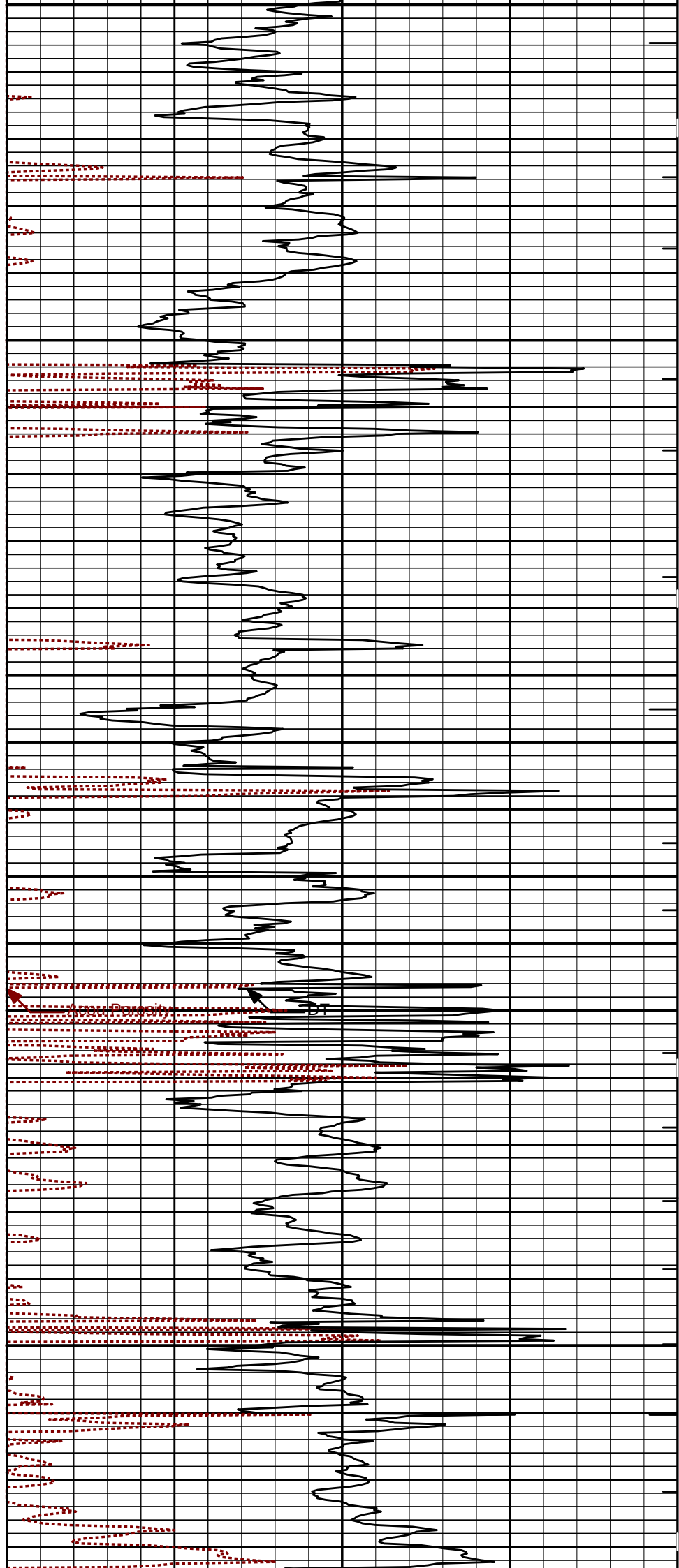
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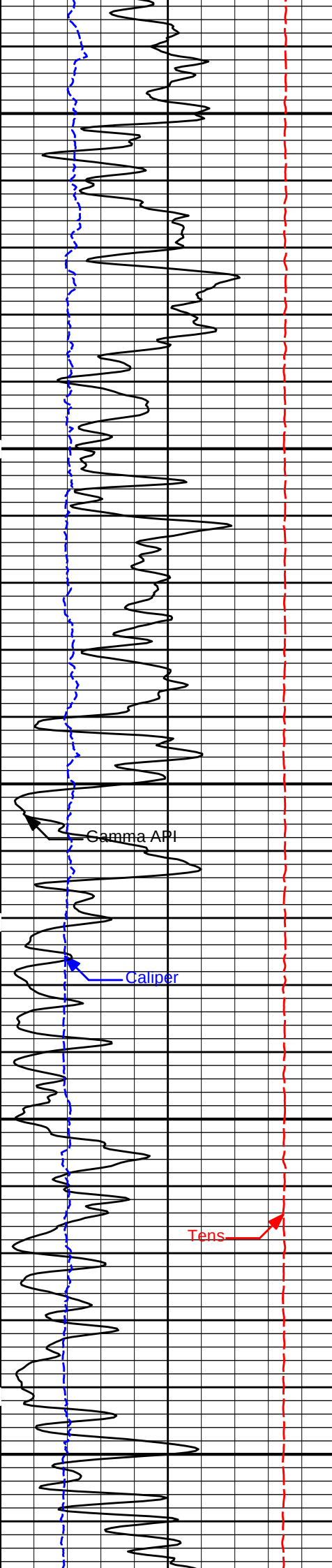




2100

2200

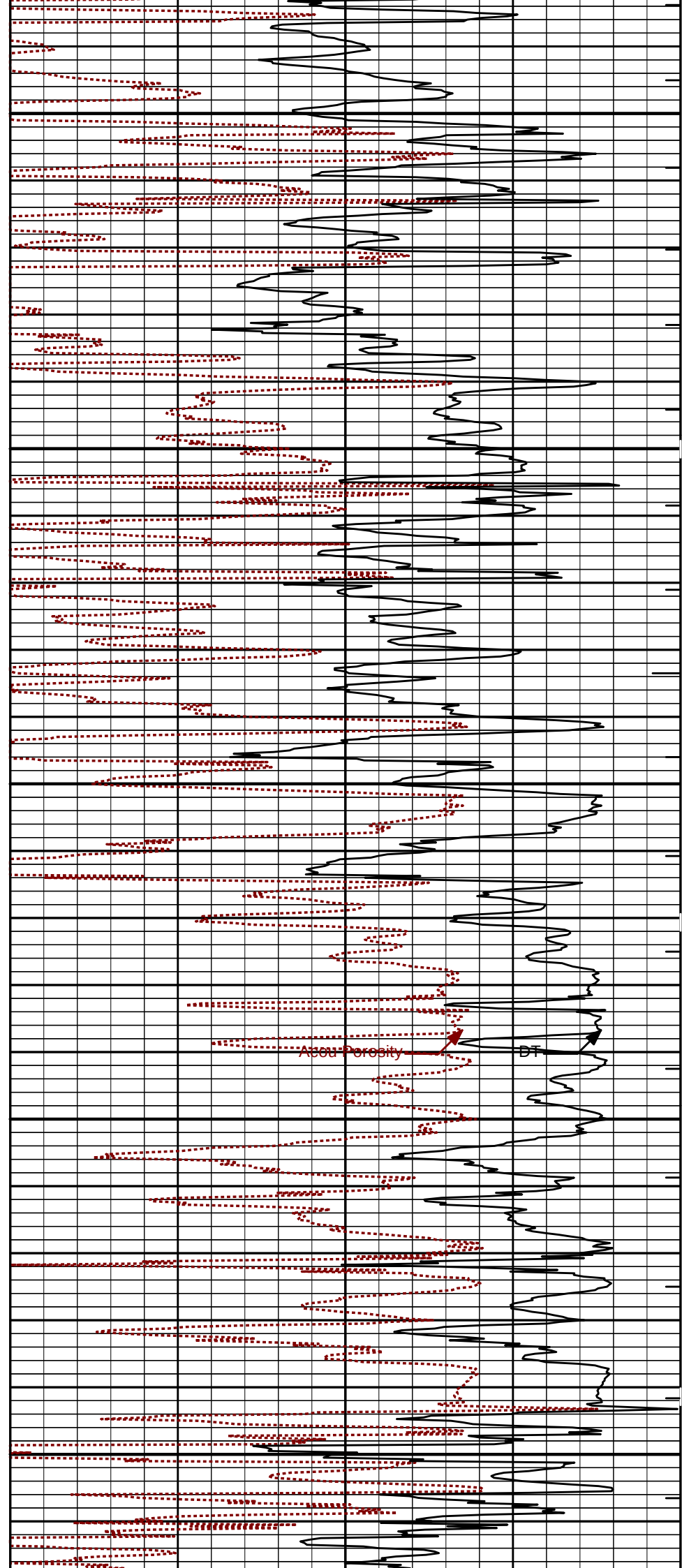


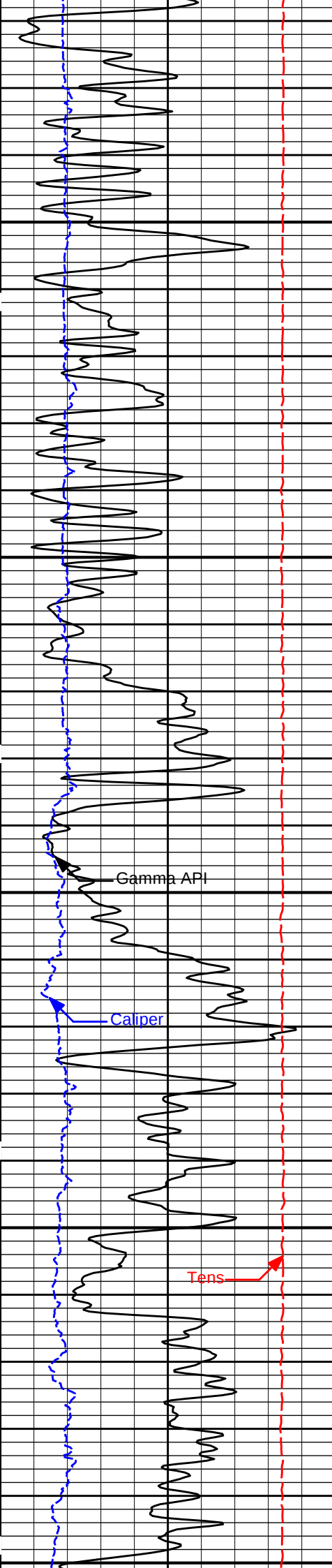


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2400

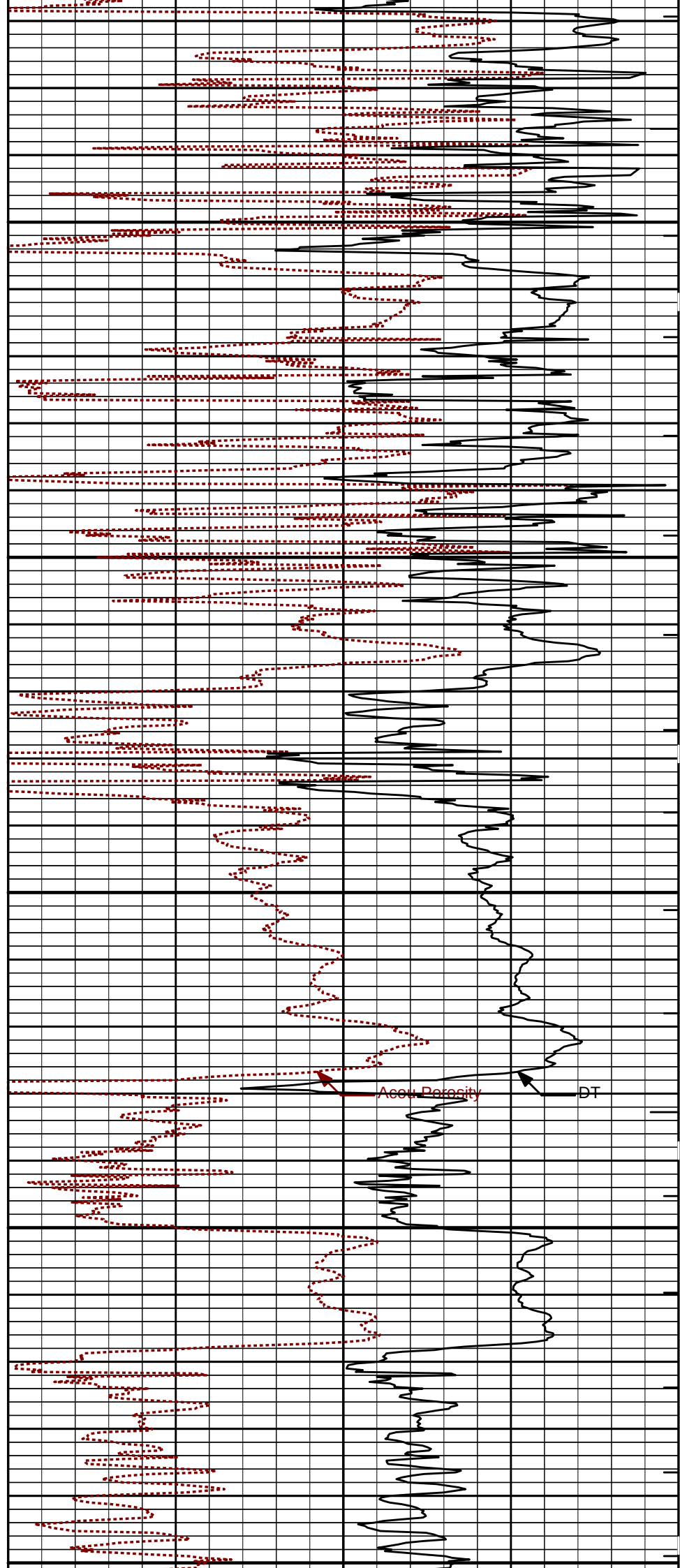
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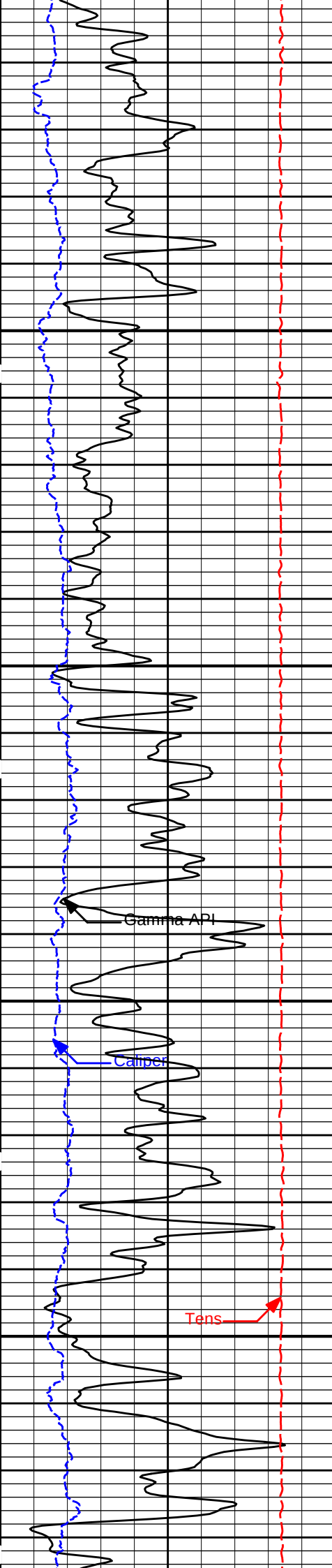




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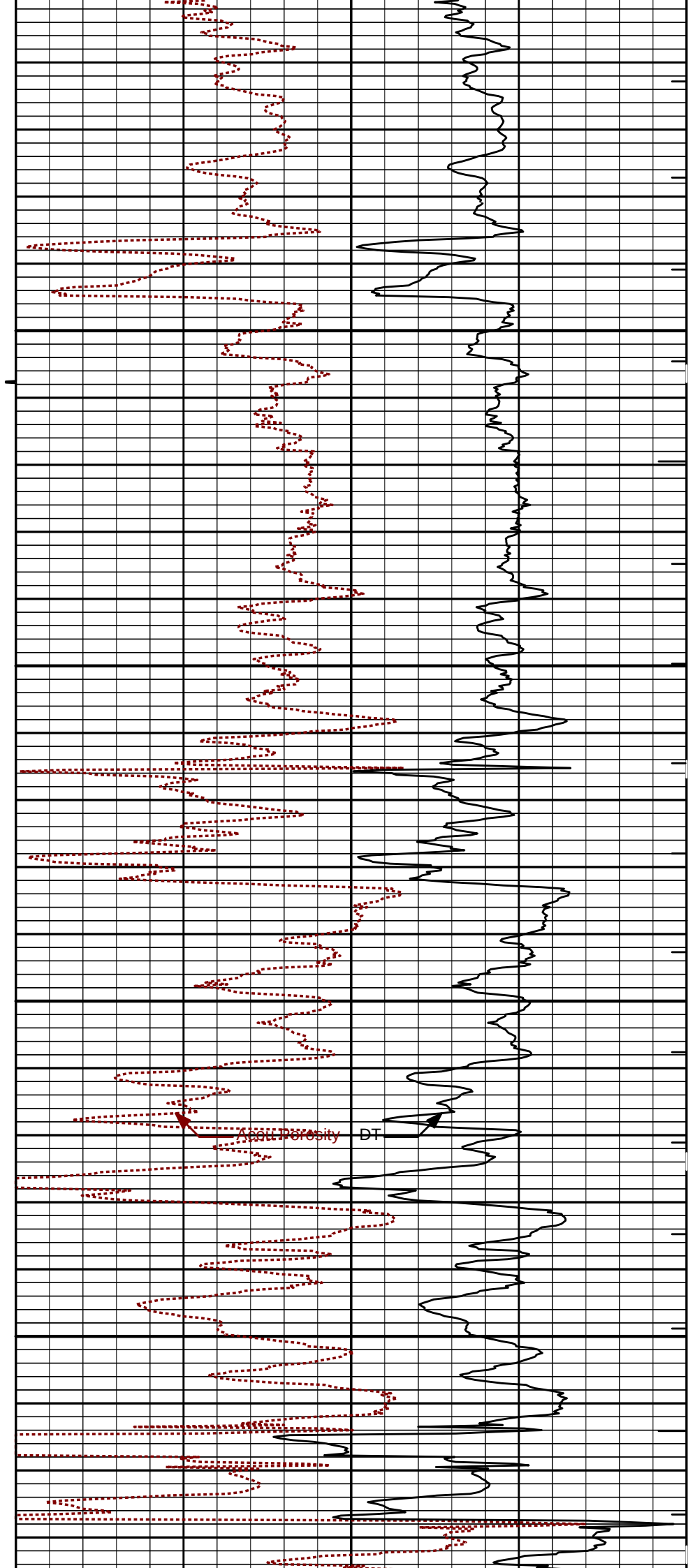
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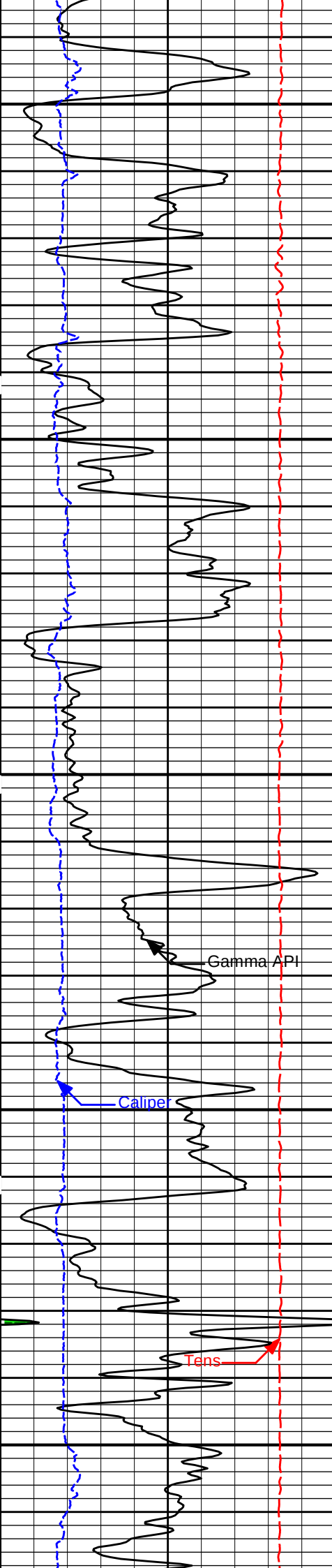
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2900



Acoustic Porosity

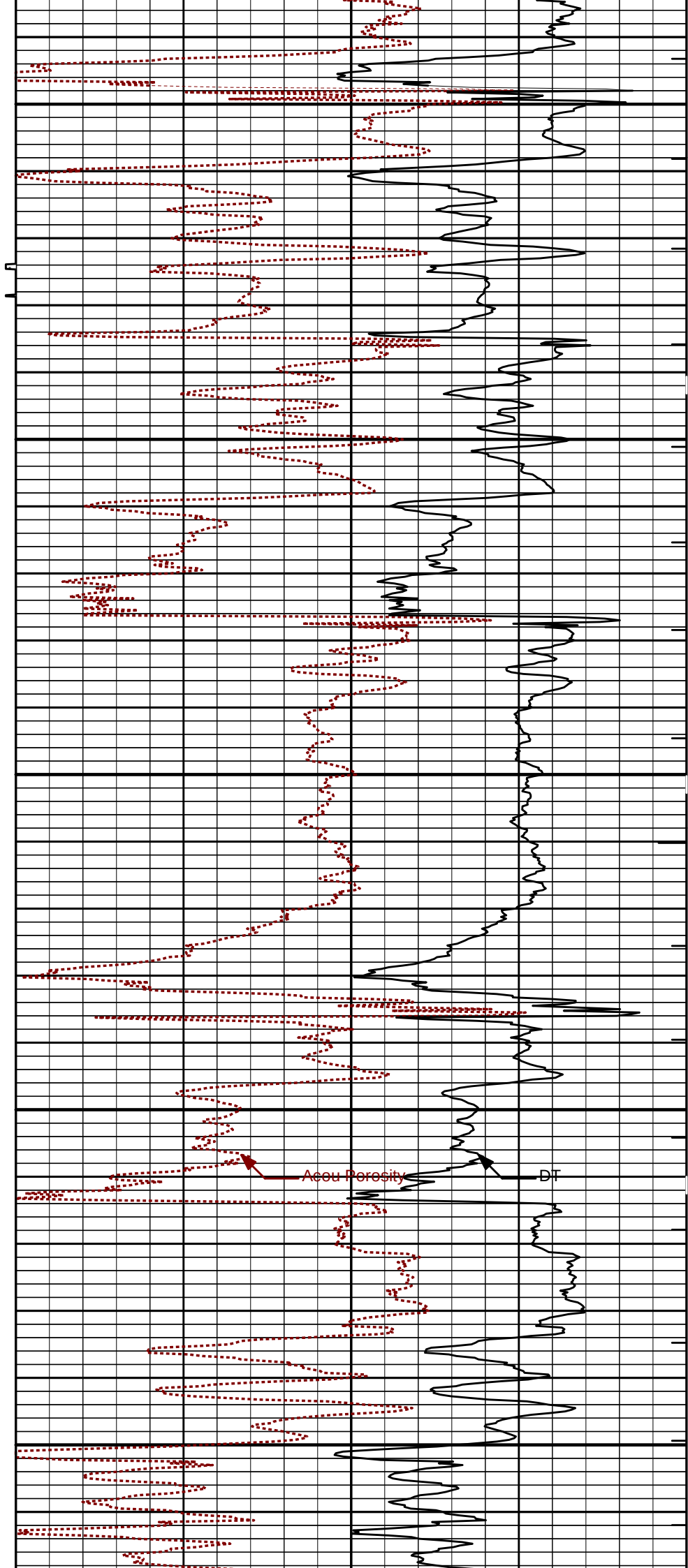
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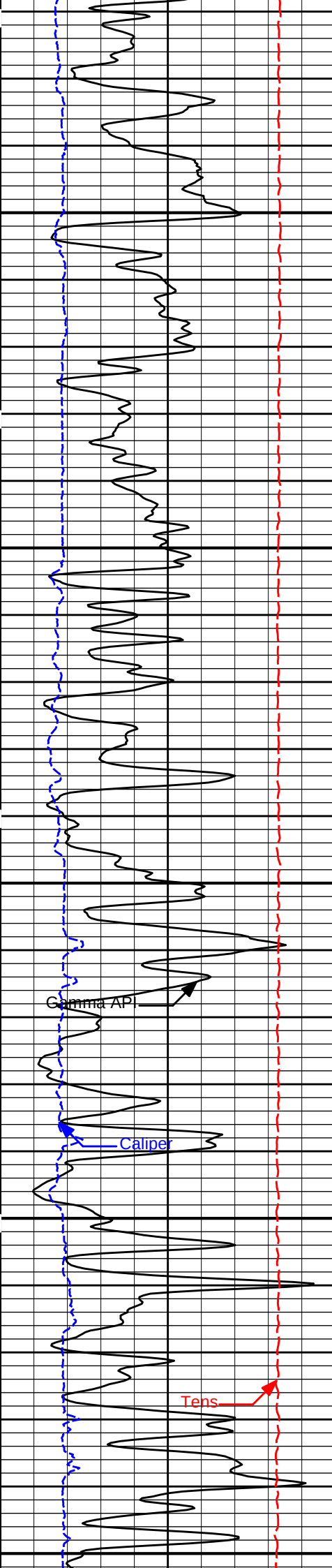


3000

3100

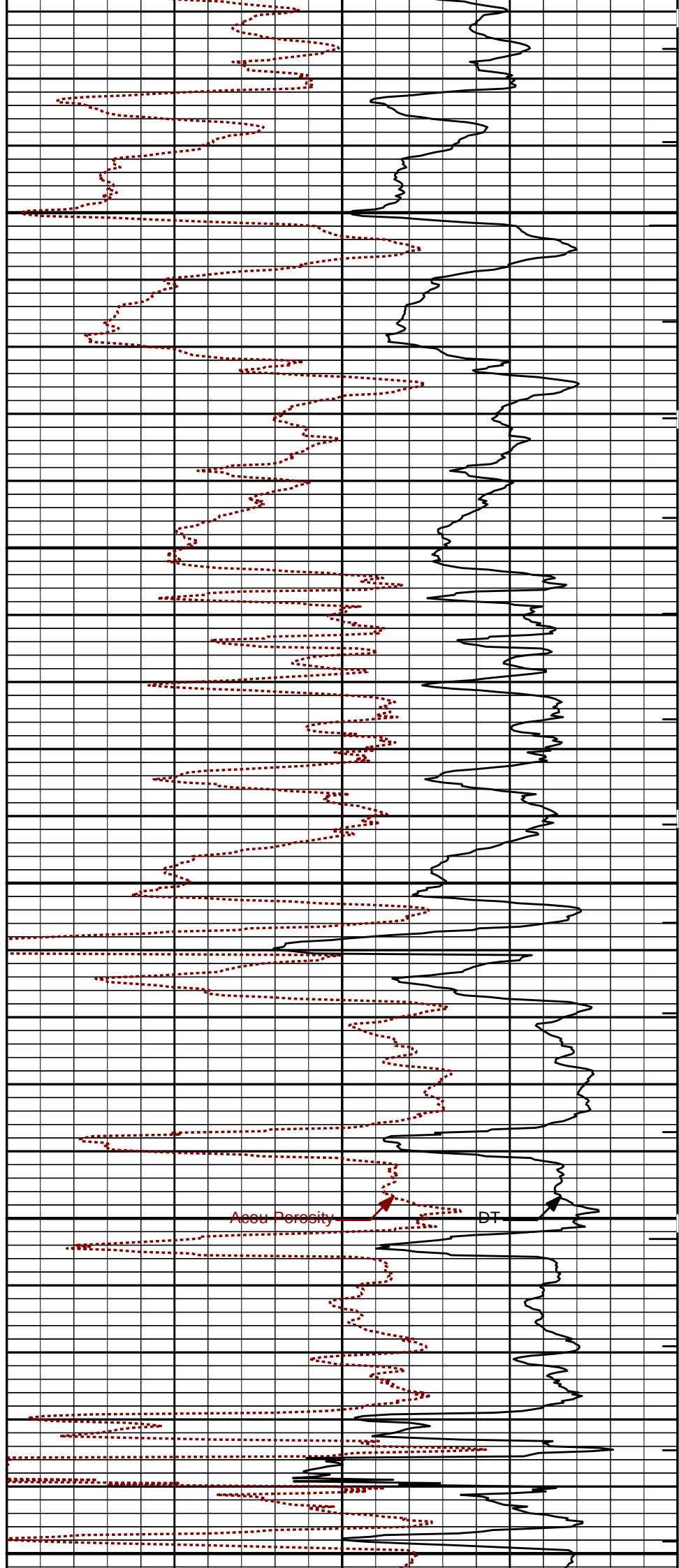
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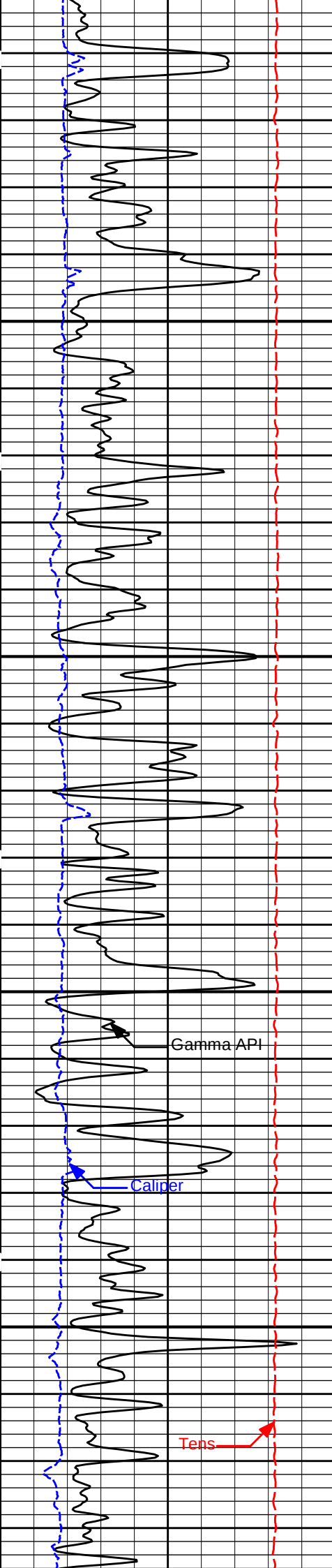




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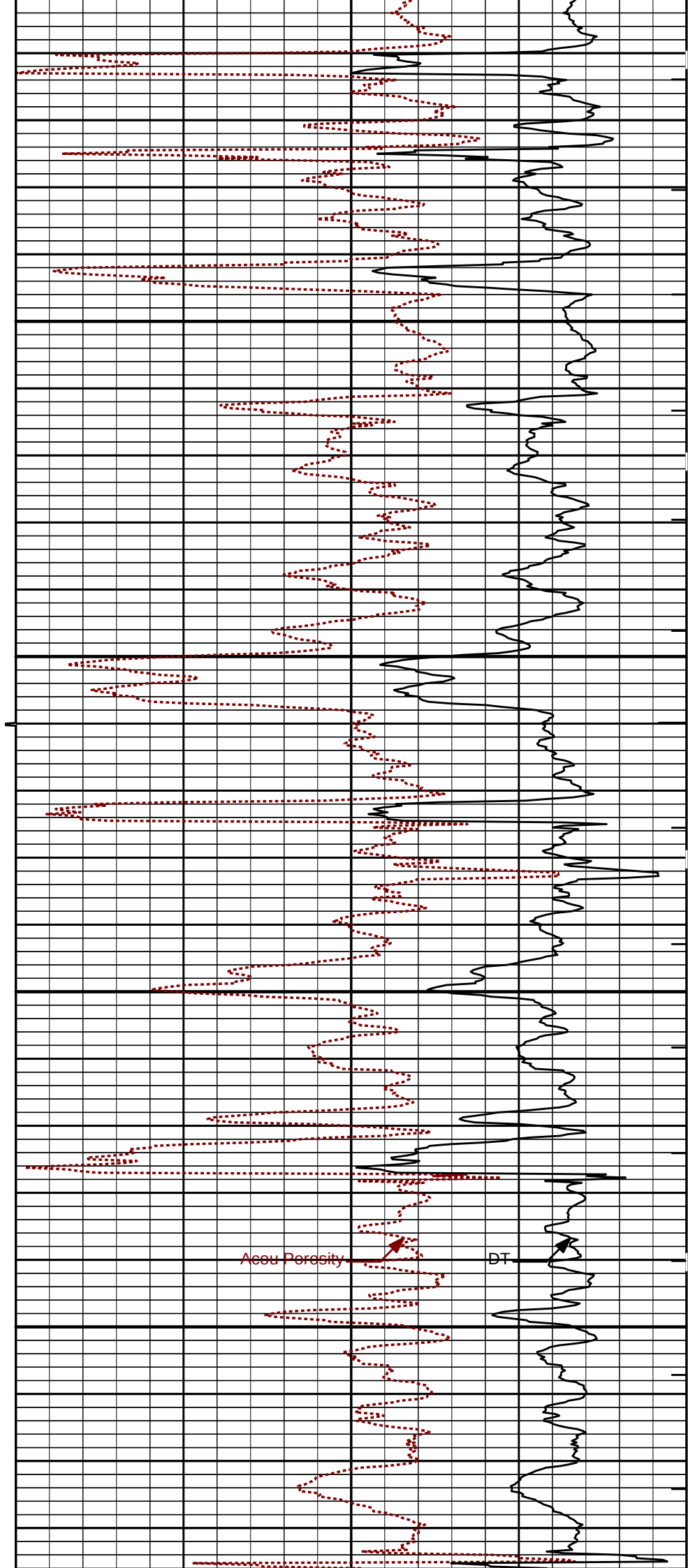
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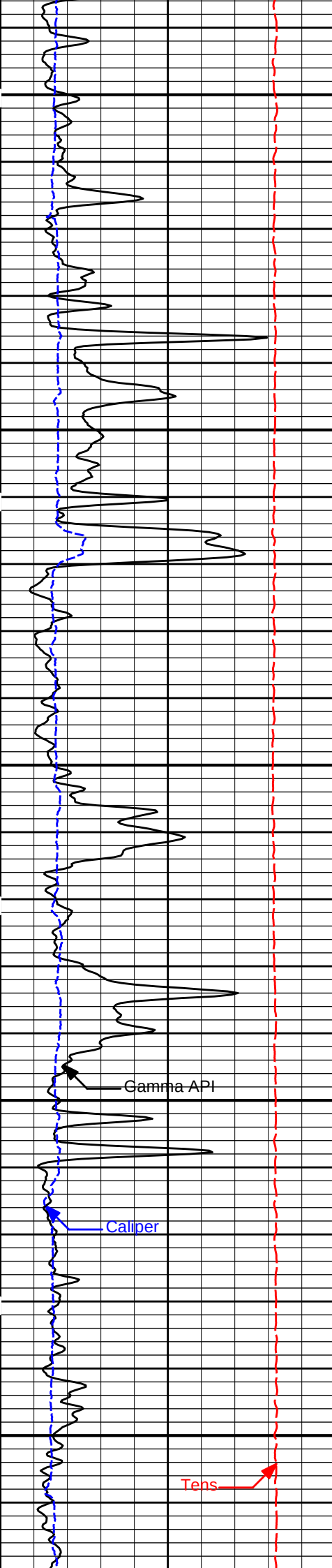




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3600

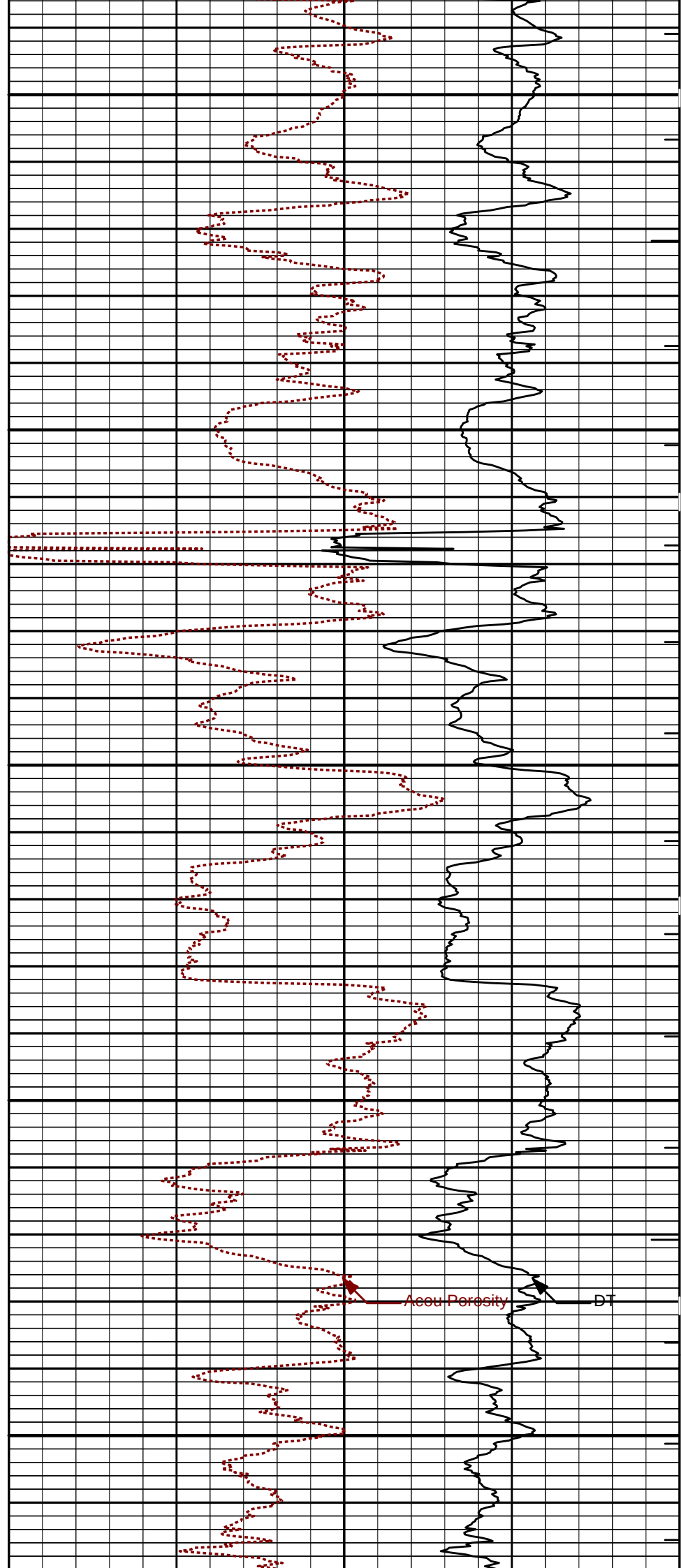


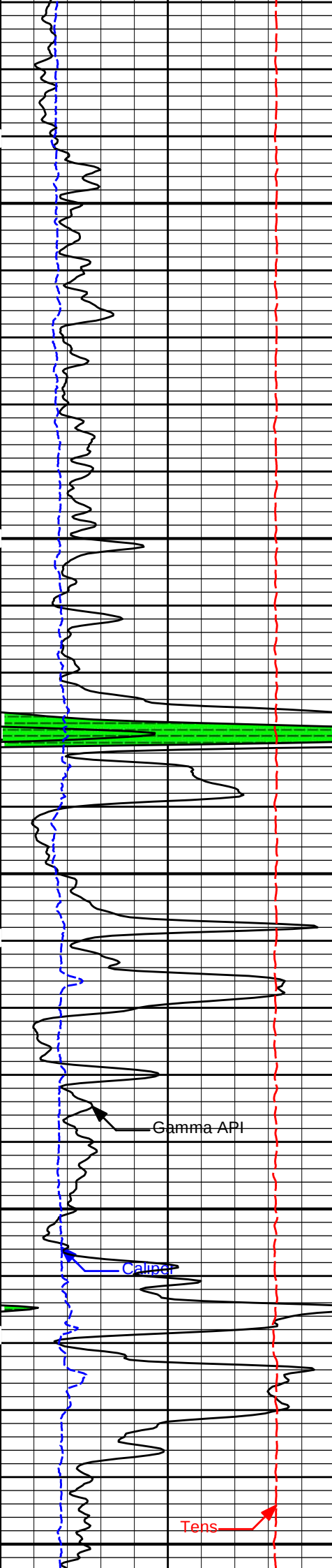


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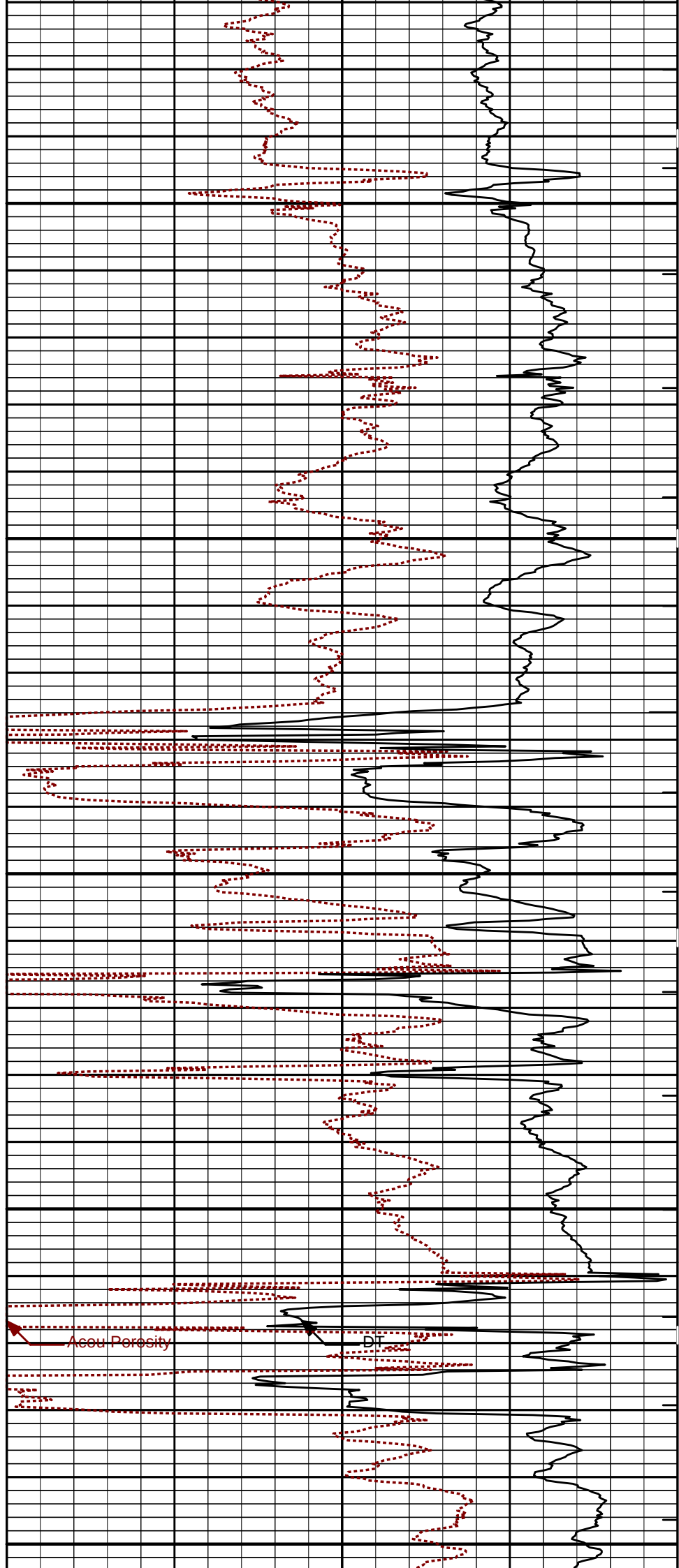
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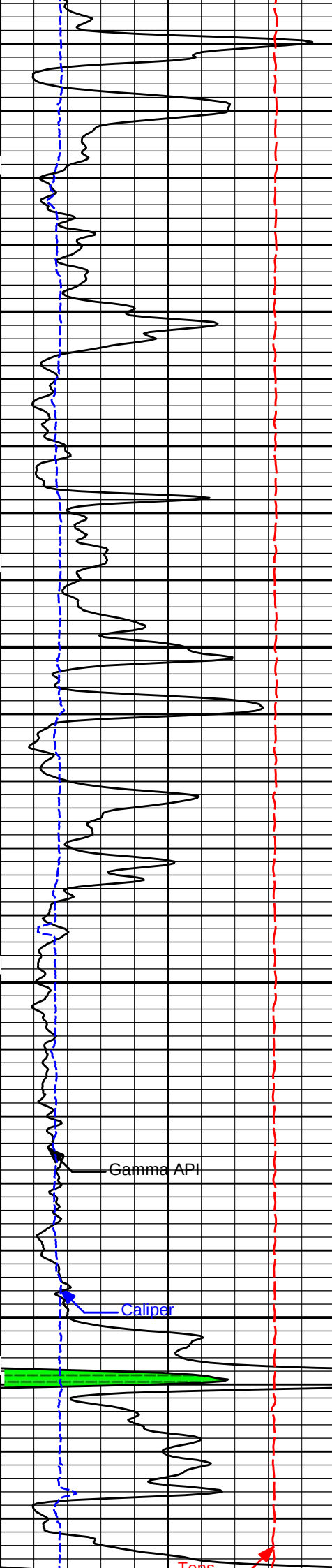




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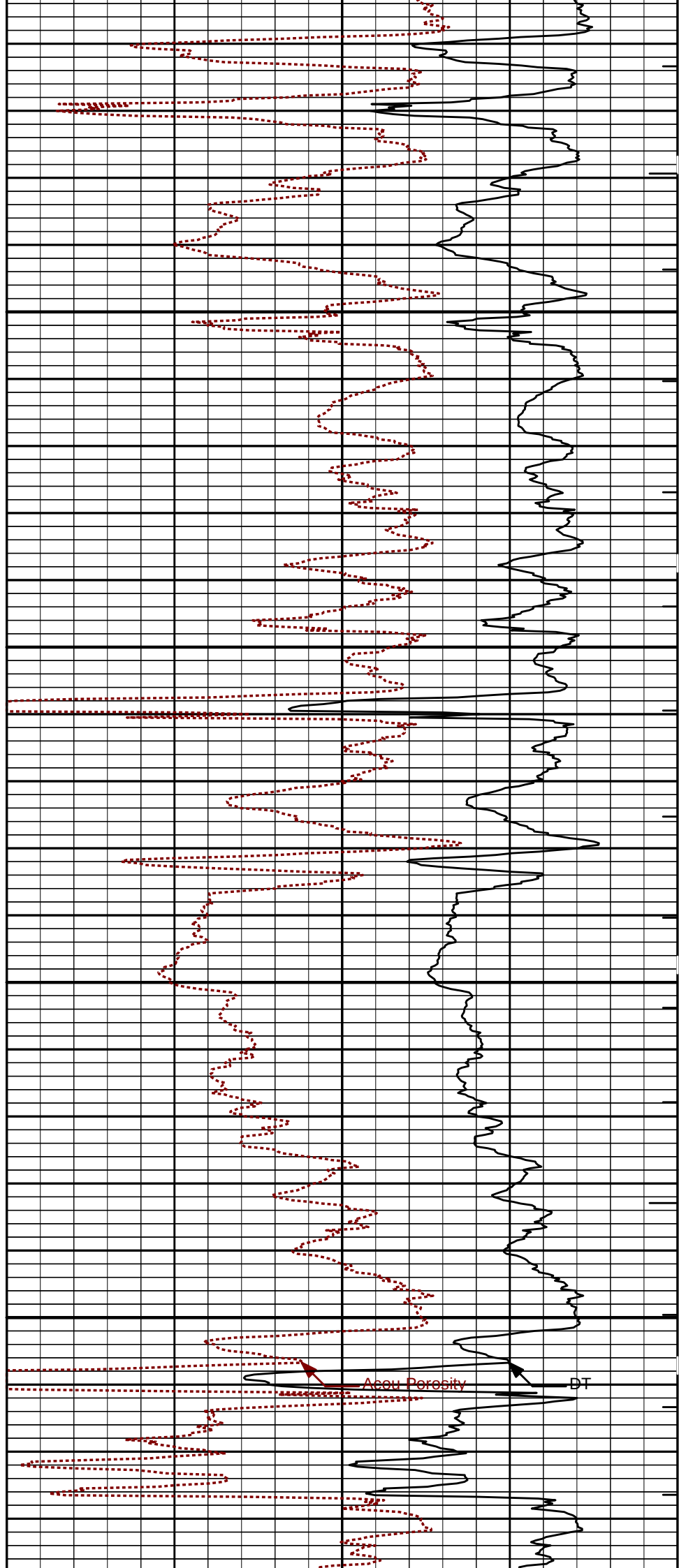
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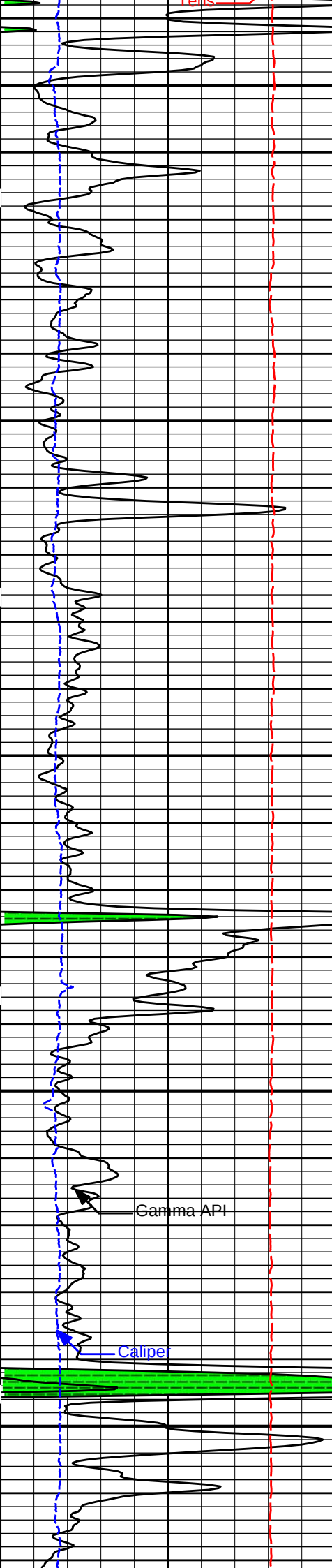




4200

4300





4400

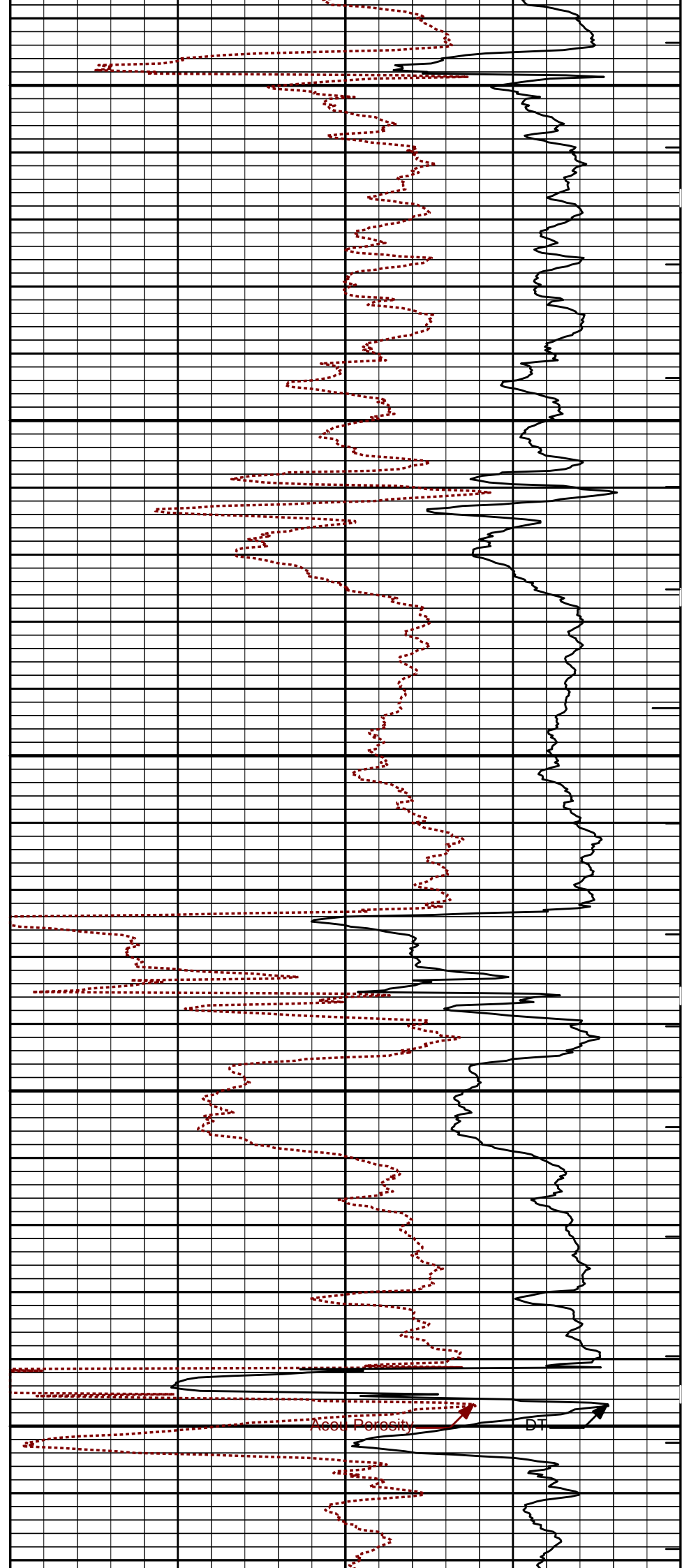
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4600

Gamma API

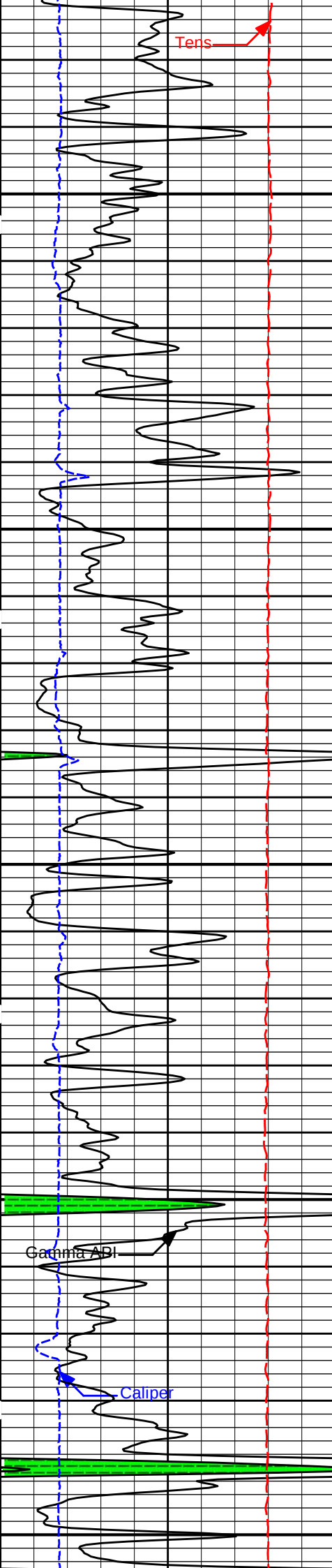
Caliper

Teis



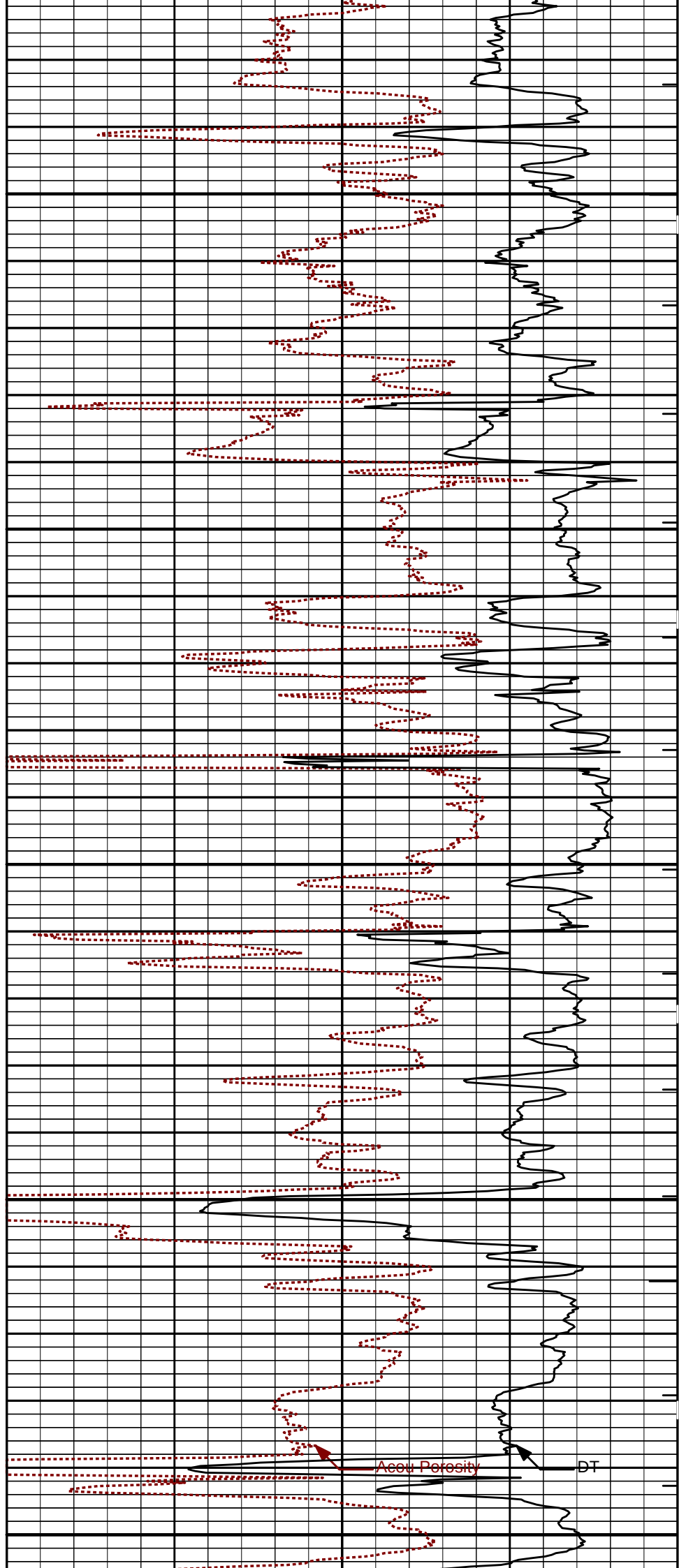
Acoustic Porosity

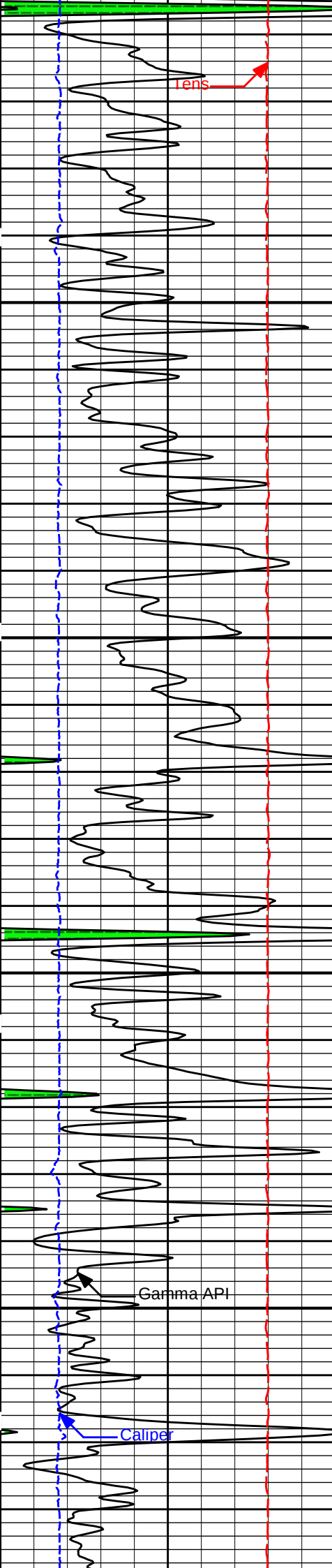
DT



4700

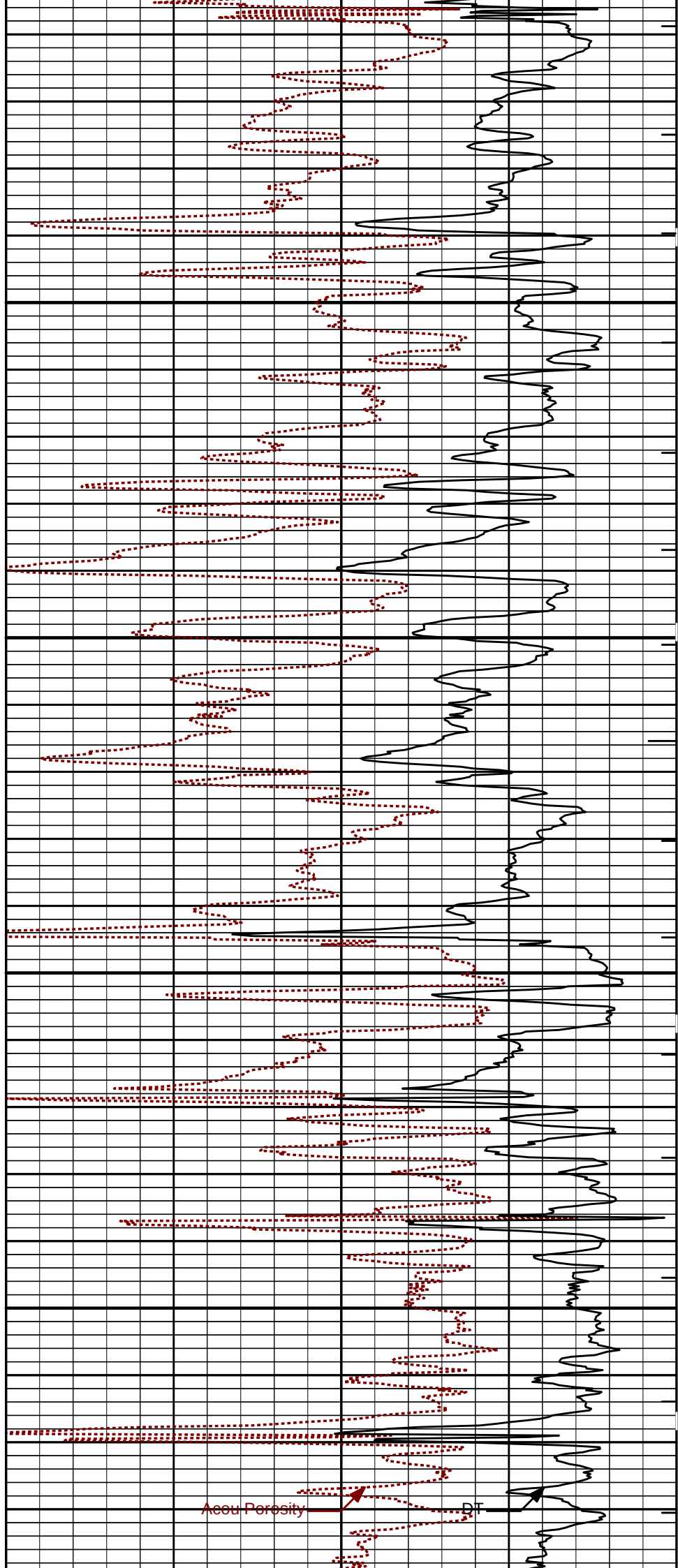
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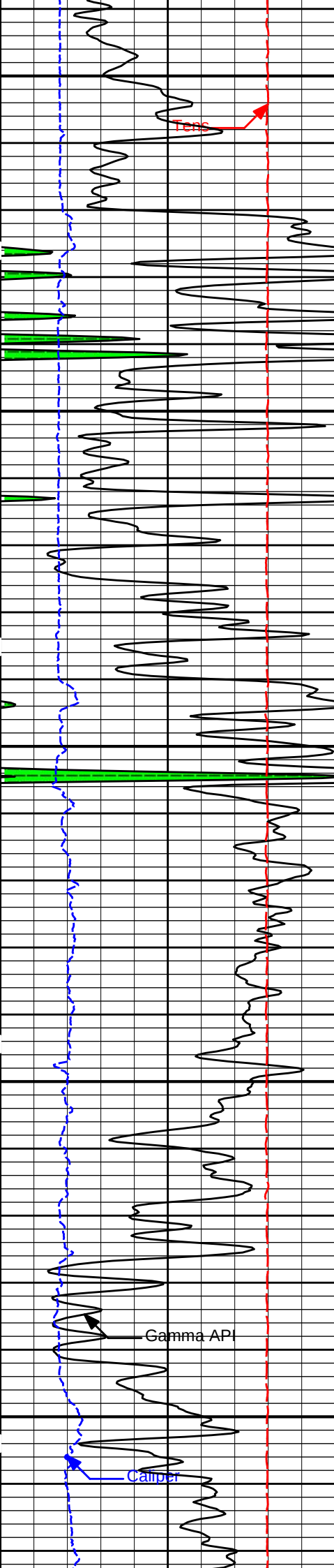




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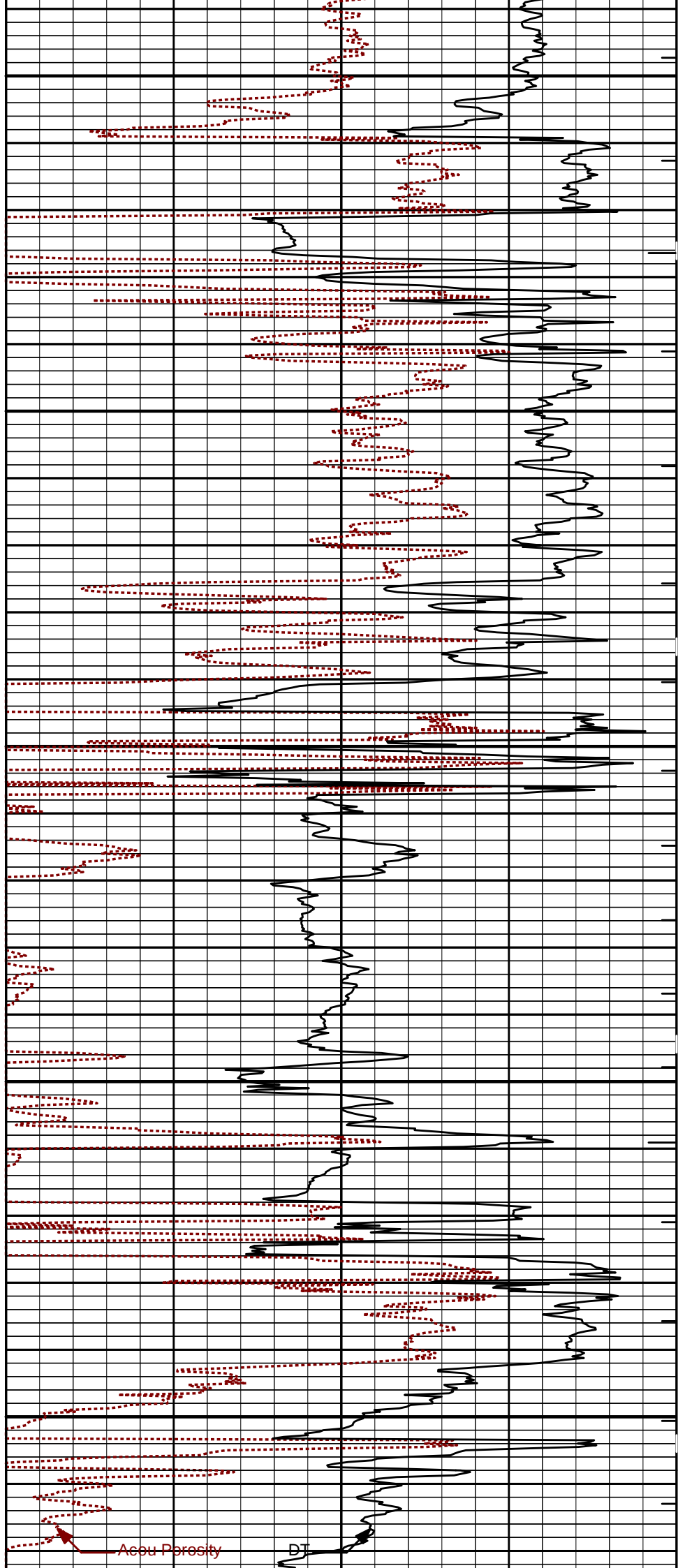


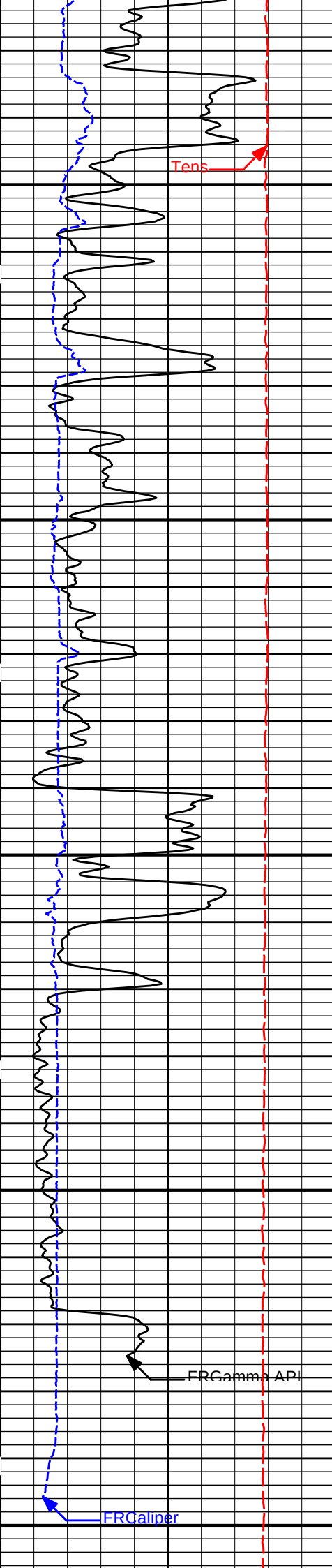


5100

5200

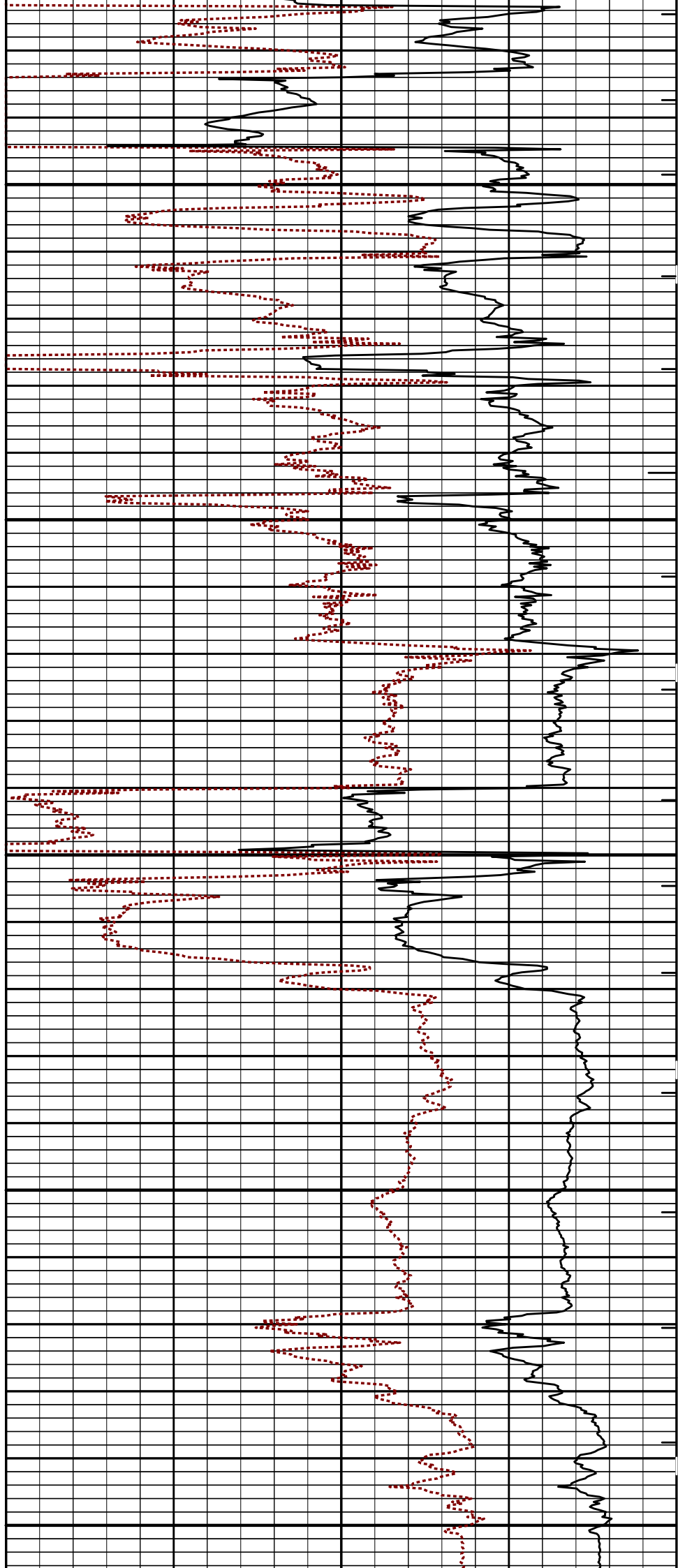
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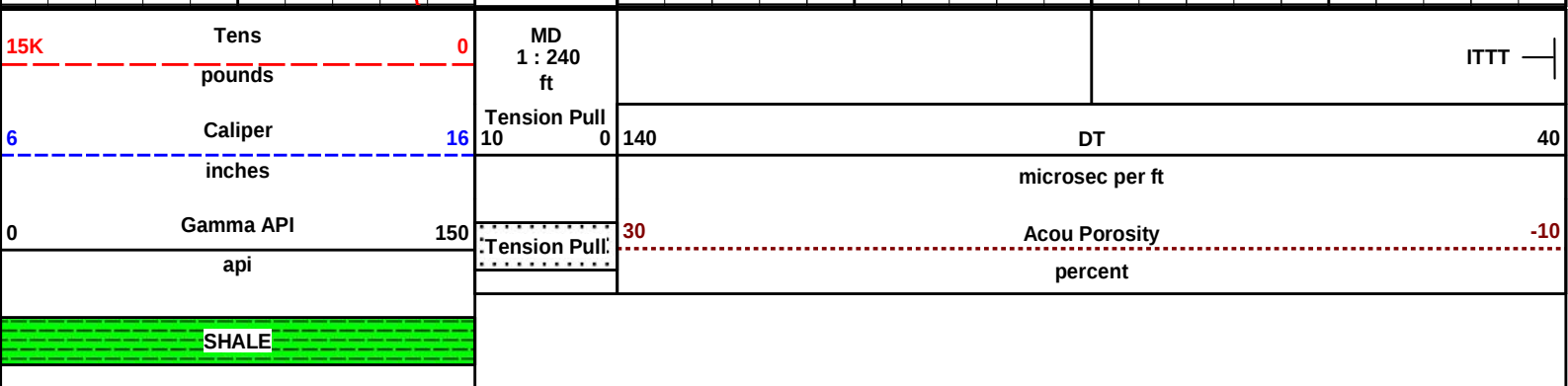




5400

5500



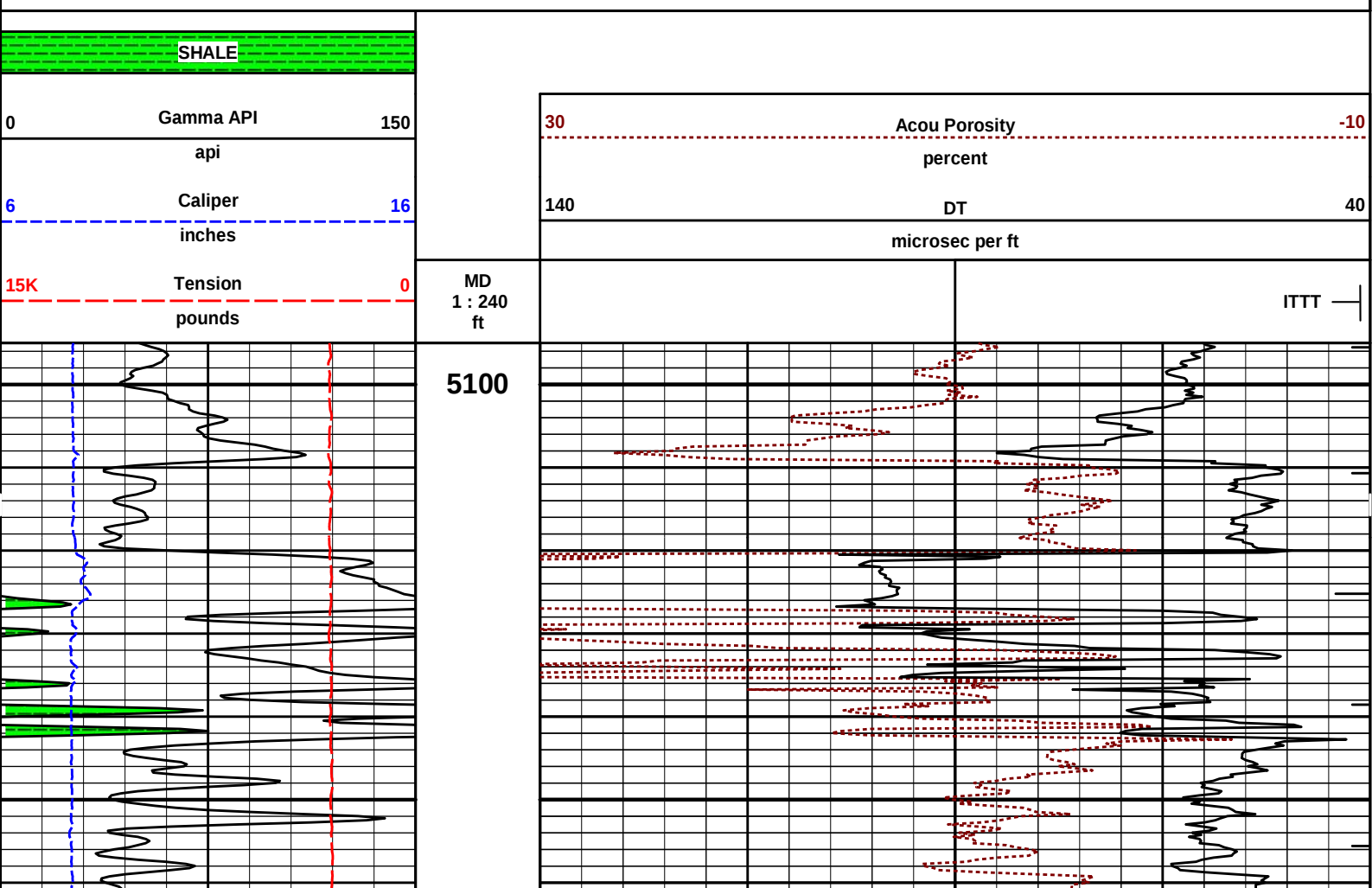


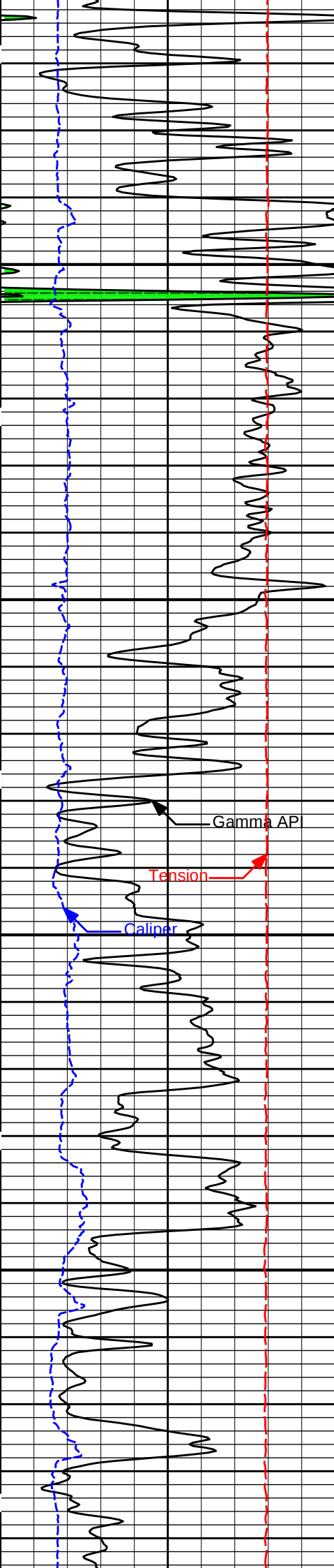
Plot Time: 24-Nov-19 18:02:46
Plot Range: 1740 ft to 5584.25 ft
Data: WENU-505\Well Based\MAIN\
Plot File: \\BSAT\BSAT_5_MAIN_LIB

5 INCH MAIN LOG

Plot Time: 24-Nov-19 18:02:46
Plot Range: 5095 ft to 5582.92 ft
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Plot File: \\BSAT\BSAT_5_REP_LIB

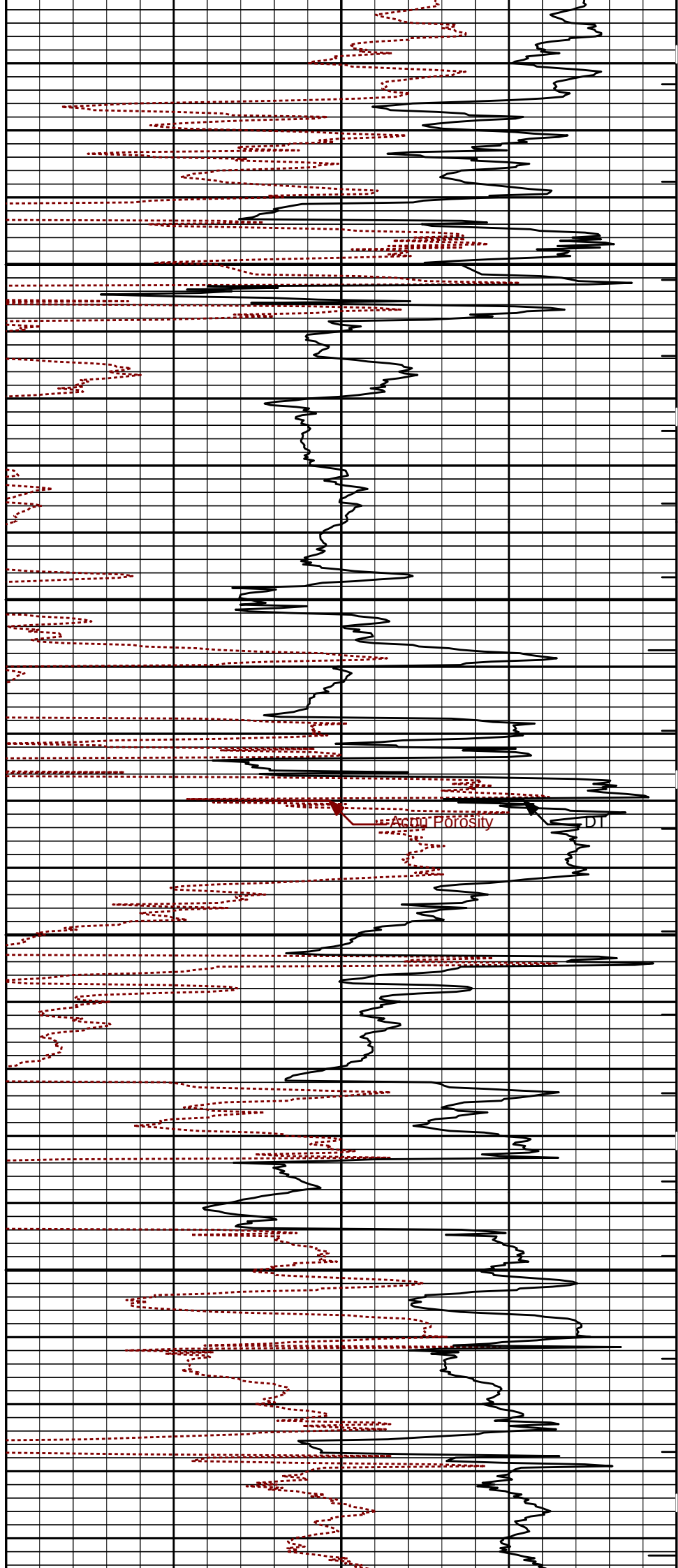
REPEAT SECTION

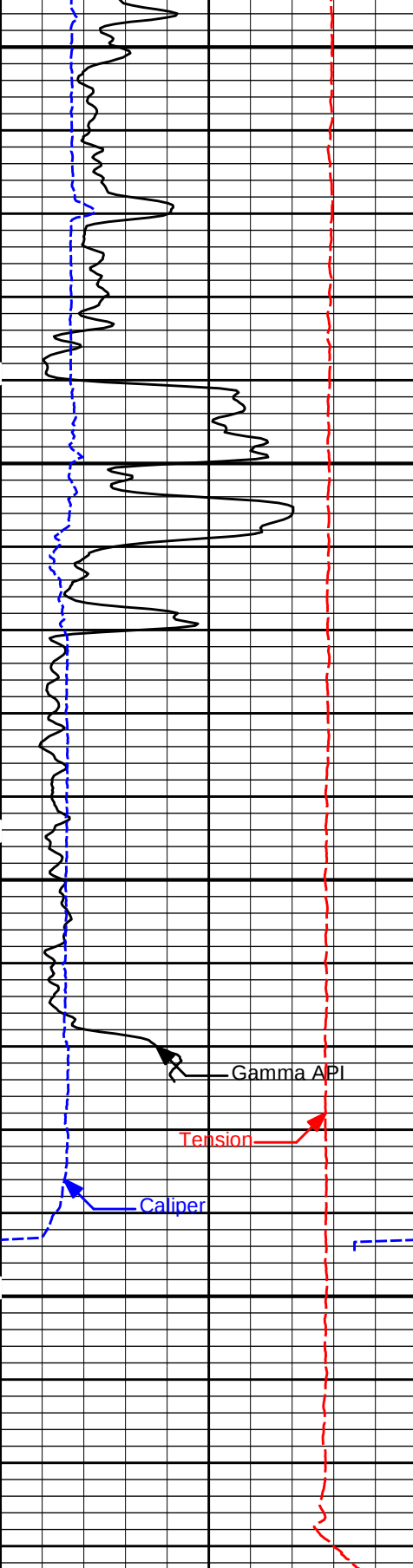




5200

5300





5400

5500

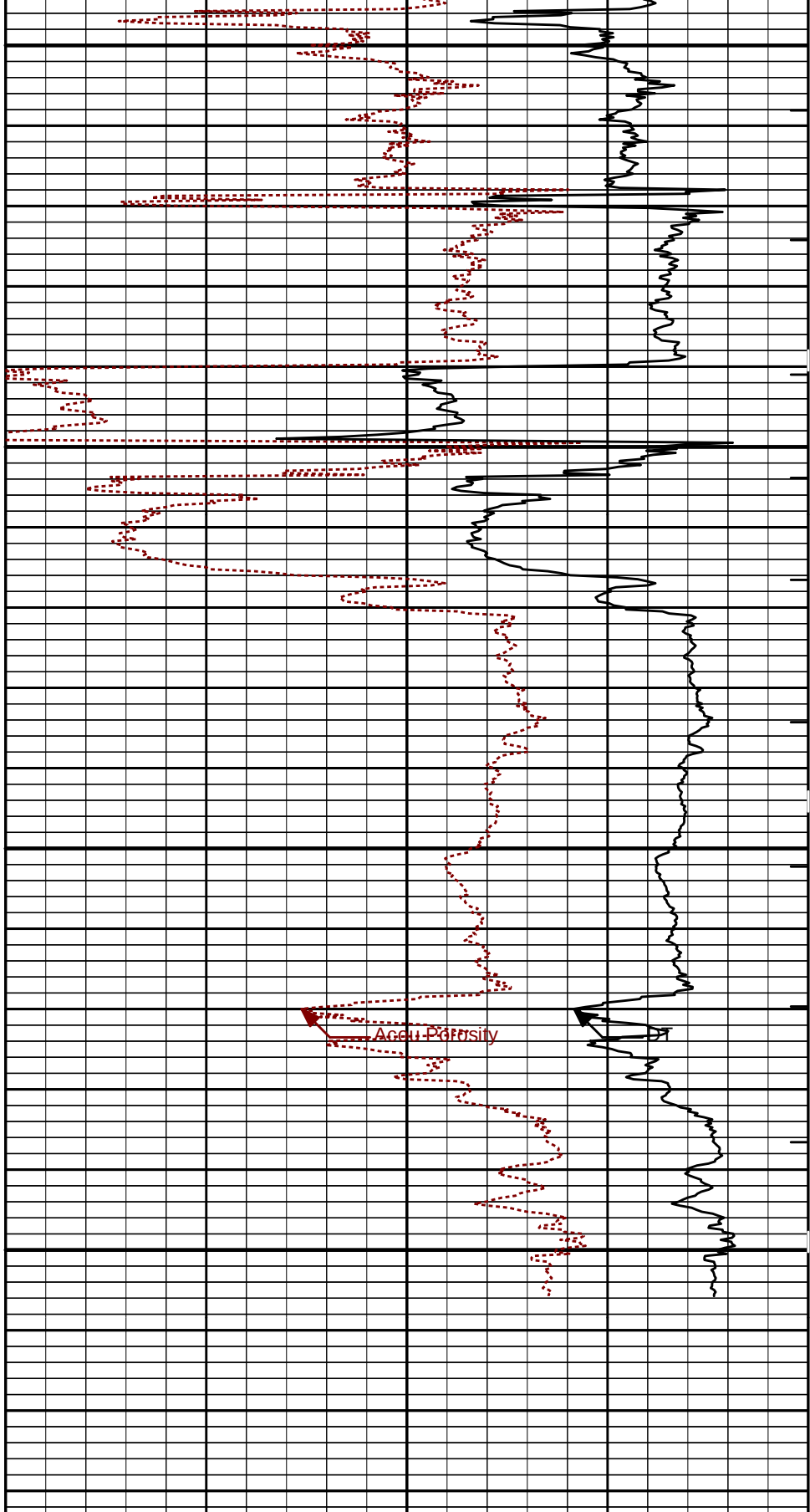
Gamma API

Tension

Caliper

15K	Tension	0
	pounds	
6	Caliper	16
	inches	
0	Gamma API	150
	api	

MD
1 : 240
ft



Acou Porosity

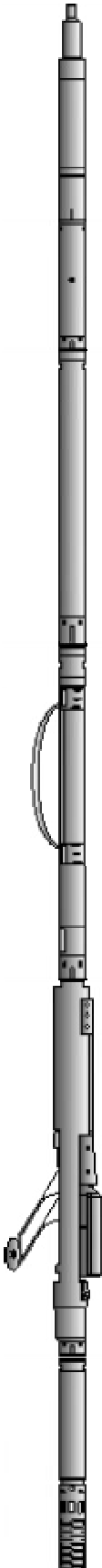
140	DT	40
	microsec per ft	
30	Acou Porosity	-10
	percent	

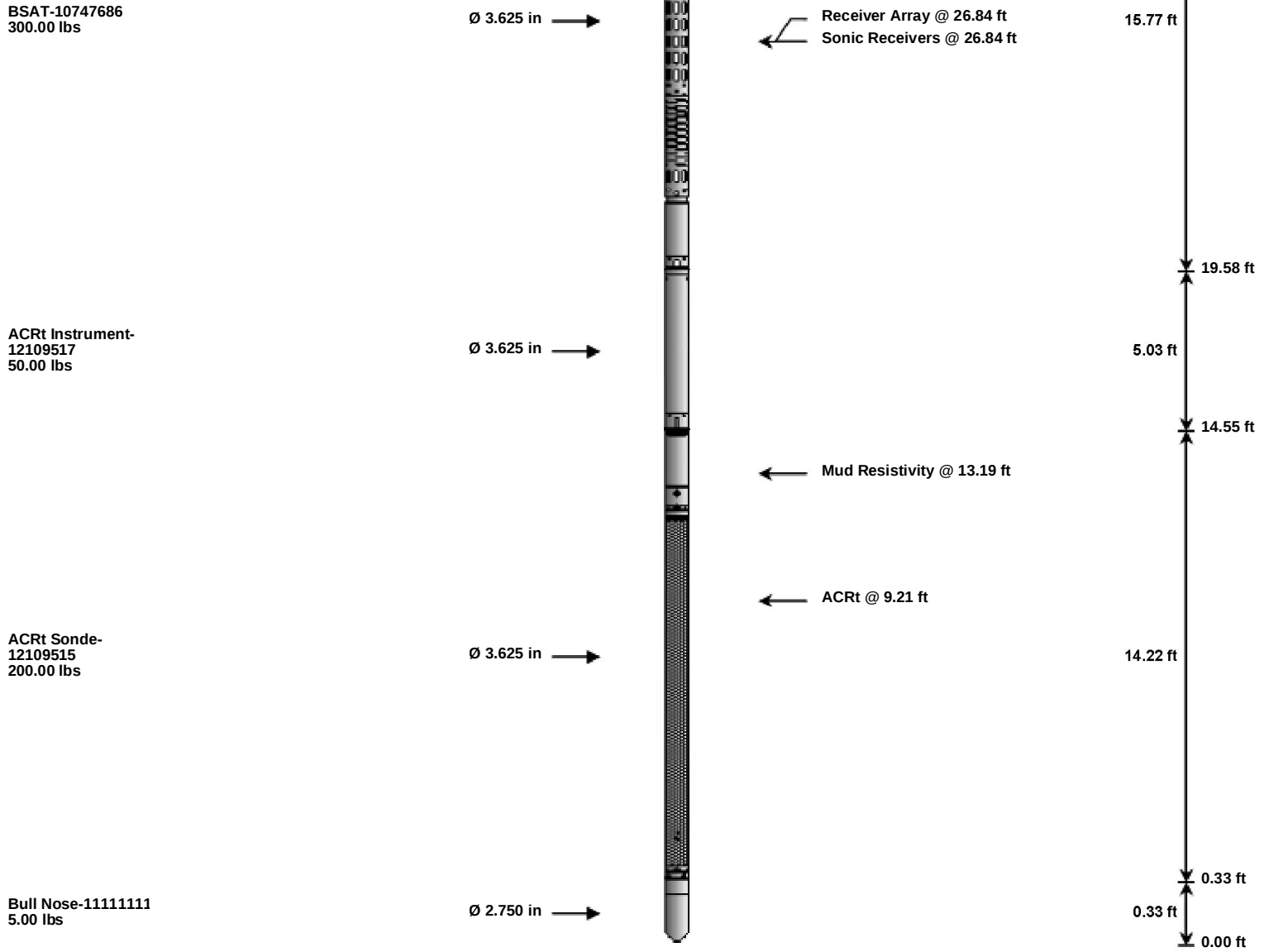
SHALE

REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
				Fishing Neck @ 73.49 ft		74.37 ft
RWCH-12027542 135.00 lbs	Weak Point Solid- 12027542 0.01 lbs	Ø 2.310 in Ø 3.625 in Ø 0.010 in*		Load Cell @ 70.68 ft BH Temperature @ 70.12 ft	6.25 ft	
SP Sub-11441455 60.00 lbs		Ø 3.625 in		SP @ 66.34 ft Z-Accelerometer @ 63.93 ft	3.74 ft	68.12 ft
GTET-11958947 165.00 lbs		Ø 3.625 in		GammaRay @ 58.32 ft	8.52 ft	64.38 ft
DSNT2-10993115 174.00 lbs	DSN Decentralizer- 10993115 6.60 lbs	Ø 5.000 in* Ø 3.625 in		DSN Far @ 48.92 ft DSN Near @ 48.17 ft	9.69 ft	55.86 ft
SDLT2-10951315 360.00 lbs	SDLT Pad2-10809130 65.00 lbs Microlog Pad2-10951315 8.00 lbs	Ø 4.500 in Ø 4.500 in* Ø 4.750 in*		Microlog @ 38.36 ft SDL Caliper @ 38.17 ft SDL @ 38.16 ft	10.81 ft	46.17 ft
						35.36 ft



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
RWCH	Releasable Wireline Cable Head	12027542	135.00	6.25	68.12	300.00
WPSS	Weak Point Solid	12027542	0.01	0.01	*	68.12 300.00
SP	SP Sub	11441455	60.00	3.74	64.38	300.00
GTET	Gamma Telemetry Tool	11958947	165.00	8.52	55.86	60.00
DSNT	Dual Spaced Neutron	10993115	174.00	9.69	46.17	60.00
DCNT	DSN Decentralizer	10993115	6.60	5.13	*	49.50 300.00
SDLT	Spectral Density Tool	10951315	360.00	10.81	35.36	60.00
SDLP	Density Insite Pad	10809130	65.00	2.55	*	37.57 60.00
MICP	Microlog Pad	10951315	8.00	1.00	*	37.86 60.00
BSAT	Borehole Sonic Array Tool	10747686	300.00	15.77	19.58	60.00
ACRt	Array Compensated True Resistivity Instrument Section	12109517	50.00	5.03	14.55	120.00
ACRt	Array Compensated True Resistivity Sonde Section	12109515	200.00	14.22	0.33	120.00
BLNS	Bull Nose	11111111	5.00	0.33	0.00	300.00
Total			1,528.61	74.37		
* Not included in Total Length and Length Accumulation.						
Data: WENU-505\0001 RWCH-GTET-DSNT2-SDLT2-BSAT-ACRT_PASSENGERS\IDLE					Date: 24-Nov-19 15:29:48	

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	9.200	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	1.128	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	CSTR	Compressive Strength	1000.00	psia
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	5580.00	ft
	SHARED	BHT	Bottom Hole Temperature	128.0	degF
	SHARED	SVTM	Navigation and Survey Master Tool	NONE	
	SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET	
	SHARED	TEMM	CBM Temperature Master Tool	GTET	
	SHARED	MSAL	Water-base mud filtrate salinity	0.00	ppm
	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	1.02	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	
	Rwa / CrossPlot	BHSM	Borehole Size Source Tool	SDLT2	
	Rwa / CrossPlot	ROIN	Input for RO Calculation	Rwa	
	GTET	GROK	Process Gamma Ray?	Yes	
	GTET	GEOK	Process Gamma Ray EVR?	No	
	GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
	GTET	BHSM	Borehole Size Source Tool	SDLT2	
	DSNT2	DNOK	Process DSN?	Yes	
	DSNT2	DEOK	Process DSN EVR?	No	
	DSNT2	NLIT	Neutron Lithology	Limestone	
	DSNT2	DNSO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
	DSNT2	DNTT	Temperature Correction Type	None	
	DSNT2	DPRS	DSN Pressure Correction Type	None	
	DSNT2	SHCO	View More Correction Options	No	
	DSNT2	UTVD	Use TVD for Gradient Corrections?	No	
	DSNT2	LHWT	Logging Horizontal Water Tank?	No	
	DSNT2	UCLA	Classic Neutron Parameter utilized?	No	
	DSNT2	BHSM	Borehole Size Source Tool	SDLT2	
	SDLT2	CLOK	Process Caliper Outputs?	Yes	
	Microlog Pad2	MLOK	Process MicroLog Outputs?	Yes	
	SDLT Pad2	DNOK	Process Density?	Yes	
	SDLT Pad2	DNOK	Process Density EVR?	No	
	SDLT Pad2	CB	Logging Calibration Blocks?	No	
	SDLT Pad2	SPVT	SDLT Pad Temperature Valid?	Yes	
	SDLT Pad2	DTWN	Disable temperature warning	No	
	SDLT Pad2	DMA	Formation Density Matrix	2.710	g/cc
	SDLT Pad2	DFL	Formation Density Fluid	1.000	g/cc

SDLT Pad2	BHSM	Borehole Size Source Tool	SDLT2	
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 Pore Fluid	189.00	uspf
BSAT	DTMT	Delta -T Matrix Type	Limestone 47.6	
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	RMAX	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
ACRt Sonde	BHSM	Borehole Size Source Tool	SDLT2	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	
BOTTOM				
Data: WENU-505\0001 RWCH-GTET-DSNT2-SDLT2-BSAT-ACRT_PASSENGERS\003 24-Nov-19 16:38 Up @5583.8f				Date: 24-Nov-19 16:44:49

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:GTET - 11958947

Engineer:M. RICHTER

Software Version:WL INSITE R6.2.7 (Build 7)

Reference Calibration Date:20-Aug-19 09:32:18

Calibration Date:24-Oct-19 09:31:28

Calibration Version:1

Calibrator Source S/N: TB-146

Calibrator API Reference:225.00 api

Equivalent Calibrator API Reference:228.9 api

Measurement	Measured	Calibrated	Units
Background	28.5	29.7	api
Background + Calibrator	247.6	258.7	api
Calibrator	219.1	228.9	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:GTET - 11958947

Engineer:JORGE ORLANDO PEREZ

Software Version:WL INSITE R6.2.7 (Build 7)

Reference Calibration Date:24-Oct-19 09:31:28

Calibration Date:18-Nov-19 10:17:26

Calibration Version:1

Calibrator Source S/N: TB-146

Calibrator API Reference:225.00 api

Equivalent Calibrator API Reference:228.9 api

Field Verification	Shop	Field	Units
Background	29.7	117.8	api
Background + Calibrator	258.7	345.1	api
Calibrator	228.9	227.3	api

Shop	Field	Difference	Tolerance
228.9	227.3	1.6	+/- 9.00

DENSITY CALIPER SHOP CALIBRATION

Tool Name:SDLT2 - 10951315

Engineer:JAMES W. HARRIS

Software Version:WL INSITE R6.2.7 (Build 7)

Reference Calibration Date:20-Nov-19 14:47:54

Calibration Date:20-Nov-19 14:47:54

Calibration Version:1

Calibrator Source S/N: TB-146

Calibrator API Reference:225.00 api

Equivalent Calibrator API Reference:228.9 api

Field Verification	Shop	Field	Units
Background	29.7	117.8	api
Background + Calibrator	258.7	345.1	api
Calibrator	228.9	227.3	api

Shop	Field	Difference	Tolerance
228.9	227.3	1.6	+/- 9.00

Tool Name: SDLT2 - 10951315		Reference Calibration Date: 20-Nov-19 14:47:54	
Engineer: JORGE ORLANDO PEREZ		Calibration Date: 20-Nov-19 14:51:56	
Software Version: WL INSITE R6.2.7 (Build 7)		Calibration Version: 1	
Host Tool Name: DSNT - 10993115			

	CALIBRATION COEFFICIENTS				
	Measurement	Previous Value	New Value	Control Limit On New Value	
	Pad Offset	-4400.61	-4475.42	-7000.00 - -1000.00	
	Pad Gain	0.0003790	0.0003884	0.0002000 - 0.0006000	
	Arm Offset	-3782.58	-3859.48	-5000.00 - 3000.00	
	Arm Gain	0.0005193	0.0005430	0.000300 - 0.000700	
	Arm Power	-0.000005452	-0.000006888	-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)	1.98	2.00	0.02	+/- 0.20
	Medium Ring (in)	3.69	3.75	0.06	+/- 0.20
	RING DIAMETER:				
	Small Ring (in)	6.49	6.50	0.01	+/- 0.20
	Medium Ring (in)	8.19	8.25	0.06	+/- 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: SDLT2 - 10951315		Reference Calibration Date: 20-Nov-19 14:51:56	
Engineer: JORGE ORLANDO PEREZ		Calibration Date: 20-Nov-19 14:53:29	
Software Version: WL INSITE R6.2.7 (Build 7)		Calibration Version: 1	

	MEASURED CALIPER VALUES				
	Measurement	Shop	Field	Change	Control Limit On New Value
	Pad Extension	3.69	3.75	0.06	+/- 0.10
	Ring Diameter	8.25	8.32	0.07	+/- 0.15
PASS/FAIL SUMMARY					
Pad Extension Check:				Passed	
Diameter Check:				Passed	

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11958947						
Gamma Ray Calibrator	228.9	227.3	-----	1.6	+/- 9.00	api
SDLT2-10951315						
Pad Extension	3.75	3.75	-----	0.00	+/-0.10	in
Ring Diameter	8.25	8.32	-----	-0.07	+/-0.15	in

Data: WENU-505I0001 RWCH-GTET-DSNT2-SDLT2-BSAT-ACRT_PASSENGERSIDLE						Date: 24-Nov-19 15:33:41
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INPUTS, DELAYS AND FILTERS TABLE

Mnemonic		Input Description	Delay (ft)	Depth Filter Type	Depth Filter Length (ft)	Time Filter Type	Time Filter Length (sec)
Depth Panel							
TENS	Tension		0.00	NO		NO	
Rwa / CrossPlot							
TPUL	Tension Pull		74.37	NO		NO	
BS	Bit Size		74.37	NO		NO	
HDIA	Measured Hole Diameter		0.00	NO		NO	
RWCH							
DHTN	DownholeTension		0.00	BLK	0.000	NO	
SP Sub							
PLTC	Plot Control Mask		66.34	NO		NO	
SP	Spontaneous Potential		66.34	BLK	1.250	NO	
SPR	Raw Spontaneous Potential		66.34	NO		NO	
SPO	Spontaneous Potential Offset		66.34	NO		NO	
GTET							
TPUL	Tension Pull		58.32	NO		NO	
GR	Natural Gamma Ray API		58.32	TRI	1.750	NO	
GRU	Unfiltered Natural Gamma Ray API		58.32	NO		NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution		58.32	W	1.416 , 0.750	NO	
HDIA	Measured Hole Diameter		0.00	NO		NO	
ACCZ	Accelerometer Z		0.00	BLK	0.083	NO	
DEVI	Inclination		0.00	NO		NO	
DSNT2							
TPUL	Tension Pull		48.07	NO		NO	
RNDS	Near Detector Telemetry Counts		48.17	BLK	1.417	NO	
RFDS	Far Detector Telemetry Counts		48.92	TRI	0.583	NO	
DNTT	DSN Tool Temperature		48.17	NO		NO	
DSNS	DSN Tool Status		48.07	NO		NO	
ERND	Near Detector Telemetry Counts EVR		48.17	BLK	0.000	NO	
ERFD	Far Detector Telemetry Counts EVR		48.92	BLK	0.000	NO	
ENTM	DSN Tool Temperature EVR		48.17	NO		NO	
HDIA	Measured Hole Diameter		0.00	NO		NO	
SDLT2							
TPUL	Tension Pull		38.17	NO		NO	
PCAL	Pad Caliper		38.17	TRI	0.250	NO	
ACAL	Arm Caliper		38.17	TRI	0.250	NO	
BSAT							
TPUL	Tension Pull		26.84	NO		NO	
STAT	Status		26.84	NO		NO	
DLYT	Delay Time		26.84	NO		NO	
SI	Sample Interval		26.84	NO		NO	
TXRX	Raw Telemetry 10 Receivers		26.84	NO		NO	
FRMC	Tool Frame Count		26.84	NO		NO	
GMOD	Gain processing mode		19.58	NO		NO	
ACRt Sonde							
TPUL	Tension Pull		2.73	NO		NO	
F1R1	ACRT 12KHz - 80in R value		8.98	BLK	0.000	NO	
F1X1	ACRT 12KHz - 80in X value		8.98	BLK	0.000	NO	

F1R2	ACRT 12KHz - 50in R value	6.48	BLK	0.000	NO
F1X2	ACRT 12KHz - 50in X value	6.48	BLK	0.000	NO
F1R3	ACRT 12KHz - 29in R value	4.98	BLK	0.000	NO
F1X3	ACRT 12KHz - 29in X value	4.98	BLK	0.000	NO
F1R4	ACRT 12KHz - 17in R value	3.98	BLK	0.000	NO
F1X4	ACRT 12KHz - 17in X value	3.98	BLK	0.000	NO
F1R5	ACRT 12KHz - 10in R value	3.48	BLK	0.000	NO
F1X5	ACRT 12KHz - 10in X value	3.48	BLK	0.000	NO
F1R6	ACRT 12KHz - 6in R value	3.23	BLK	0.000	NO
F1X6	ACRT 12KHz - 6in X value	3.23	BLK	0.000	NO
F2R1	ACRT 36KHz - 80in R value	8.98	BLK	0.000	NO
F2X1	ACRT 36KHz - 80in X value	8.98	BLK	0.000	NO
F2R2	ACRT 36KHz - 50in R value	6.48	BLK	0.000	NO
F2X2	ACRT 36KHz - 50in X value	6.48	BLK	0.000	NO
F2R3	ACRT 36KHz - 29in R value	4.98	BLK	0.000	NO
F2X3	ACRT 36KHz - 29in X value	4.98	BLK	0.000	NO
F2R4	ACRT 36KHz - 17in R value	3.98	BLK	0.000	NO
F2X4	ACRT 36KHz - 17in X value	3.98	BLK	0.000	NO
F2R5	ACRT 36KHz - 10in R value	3.48	BLK	0.000	NO
F2X5	ACRT 36KHz - 10in X value	3.48	BLK	0.000	NO
F2R6	ACRT 36KHz - 6in R value	3.23	BLK	0.000	NO
F2X6	ACRT 36KHz - 6in X value	3.23	BLK	0.000	NO
F3R1	ACRT 72KHz - 80in R value	8.98	BLK	0.000	NO
F3X1	ACRT 72KHz - 80in X value	8.98	BLK	0.000	NO
F3R2	ACRT 72KHz - 50in R value	6.48	BLK	0.000	NO
F3X2	ACRT 72KHz - 50in X value	6.48	BLK	0.000	NO
F3R3	ACRT 72KHz - 29in R value	4.98	BLK	0.000	NO
F3X3	ACRT 72KHz - 29in X value	4.98	BLK	0.000	NO
F3R4	ACRT 72KHz - 17in R value	3.98	BLK	0.000	NO
F3X4	ACRT 72KHz - 17in X value	3.98	BLK	0.000	NO
F3R5	ACRT 72KHz - 10in R value	3.48	BLK	0.000	NO
F3X5	ACRT 72KHz - 10in X value	3.48	BLK	0.000	NO
F3R6	ACRT 72KHz - 6in R value	3.23	BLK	0.000	NO
F3X6	ACRT 72KHz - 6in X value	3.23	BLK	0.000	NO
RMUD	Mud Resistivity	12.52	BLK	0.000	NO
F1RT	Transmitter Reference 12 KHz Real Signal	2.73	BLK	0.000	NO
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.73	BLK	0.000	NO
F2RT	Transmitter Reference 36 KHz Real Signal	2.73	BLK	0.000	NO
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.73	BLK	0.000	NO
F3RT	Transmitter Reference 72 KHz Real Signal	2.73	BLK	0.000	NO
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.73	BLK	0.000	NO
TFPU	Upper Feedpipe Temperature Calculated	2.73	BLK	0.000	NO
TFPL	Lower Feedpipe Temperature Calculated	2.73	BLK	0.000	NO
ITMP	Instrument Temperature	2.73	BLK	0.000	NO
TCVA	Temperature Correction Values Loop Off	2.73	NO		NO
TIDV	Instrument Temperature Derivative	2.73	NO		NO
TUDV	Upper Temperature Derivative	2.73	NO		NO
TLDV	Lower Temperature Derivative	2.73	NO		NO
TRBD	Receiver Board Temperature	2.73	NO		NO
HDIA	Measured Hole Diameter	0.00	NO		NO
Microlog Pad2					
TPUL	Tension Pull	38.36	NO		NO
MINV	Microlog Lateral	38.36	BLK	0.750	NO
MNOR	Microlog Normal	38.36	BLK	0.750	NO
SDLT Pad2					
TPUL	Tension Pull	38.16	NO		NO
NAB	Near Above	37.99	BLK	0.920	NO

NHI	Near Cesium High	37.99	BLK	0.920	NO
NLO	Near Cesium Low	37.99	BLK	0.920	NO
NVA	Near Valley	37.99	BLK	0.920	NO
NBA	Near Barite	37.99	BLK	0.920	NO
NDE	Near Density	37.99	BLK	0.920	NO
NPK	Near Peak	37.99	BLK	0.920	NO
NLI	Near Lithology	37.99	BLK	0.920	NO
NBAU	Near Barite Unfiltered	37.99	BLK	0.250	NO
NLIU	Near Lithology Unfiltered	37.99	BLK	0.250	NO
FAB	Far Above	38.34	BLK	0.250	NO
FHI	Far Cesium High	38.34	BLK	0.250	NO
FLO	Far Cesium Low	38.34	BLK	0.250	NO
FVA	Far Valley	38.34	BLK	0.250	NO
FBA	Far Barite	38.34	BLK	0.250	NO
FDE	Far Density	38.34	BLK	0.250	NO
FPK	Far Peak	38.34	BLK	0.250	NO
FLI	Far Lithology	38.34	BLK	0.250	NO
PTMP	Pad Temperature	38.17	BLK	0.920	NO
NHV	Near Detector High Voltage	37.57	NO		NO
FHV	Far Detector High Voltage	37.57	NO		NO
ITMP	Instrument Temperature	37.57	NO		NO
DDHV	Detector High Voltage	37.57	NO		NO
HDIA	Measured Hole Diameter	0.00	NO		NO
Data: WENU-505\0001 RWCH-GTET-DSNT2-SDLT2-BSAT-ACRT_PASSENGERS\IDLE				Date: 24-Nov-19 15:32:09	

COMPANY	MERIT ENERGY COMPANY		
WELL	WENU 505		
FIELD	EUBANK NORTH		
COUNTY	HASKELL	STATE	KANSAS
HALLIBURTON		BOREHOLE SONIC ARRAY LOG	