

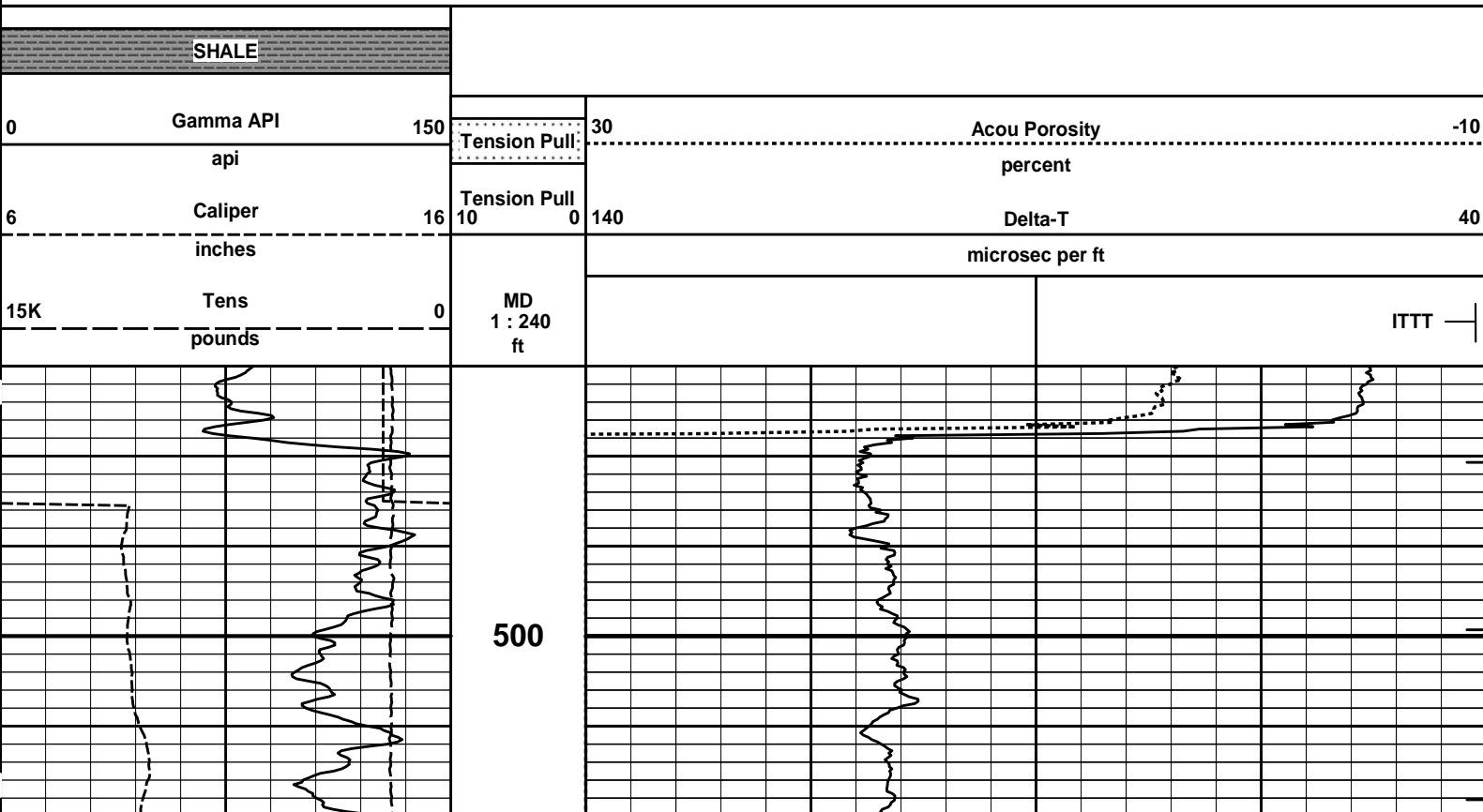
BOREHOLE COMPENSATED SONIC ARRAY LOG

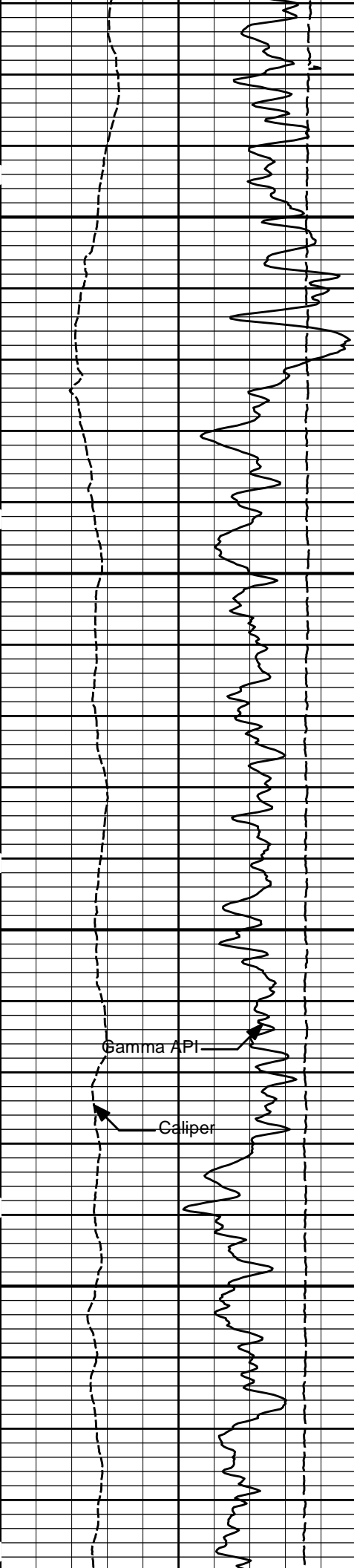
COMPANY		VAL ENERGY	
WELL		CHRISTINA 1-2	
FIELD/BLOCK		WILDCAT	
COUNTY		CROWLEY	
STATE		COLORADO	
Sect. 2	Twp. 20S	Rge. 56W	
API No. 05-025-06021-00-00			Other Services: DSNT/SDLT MICROLOG BSAT ACRT MRIL
Location (SHL) 1550' FNL & 1010' FEEL SE-NE			

Fold here

Service Ticket No.: 901842046						API Serial No.: 05-025-06021-00-00						PGM Version: WL INSITE R4.4.3 (Build 6)					
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	CENT	N/A							
Rmc @ Meas. Temp.		@		@			10929776										
Source Rmf	Rmc																
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.	10748374			Serial No.	10747684			Serial No.	10673803			Serial No.	10735145				
Model No.	GTET			Model No.	BSAT			Model No.	SDLT			Model No.	DSNT				
Diameter	3.625"			No. of Cent.	2			Diameter	5.3"			Diameter	3.625"				
Detector Model No.	T-102			Spacing	0.5'			Log Type	GAM-GAM			Log Type	NEU-NEU				
Type	T-102							Source Type	CS-137			Source Type	AM241BE				
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	15.0 CI				

LOGGING DATA

[illegible]

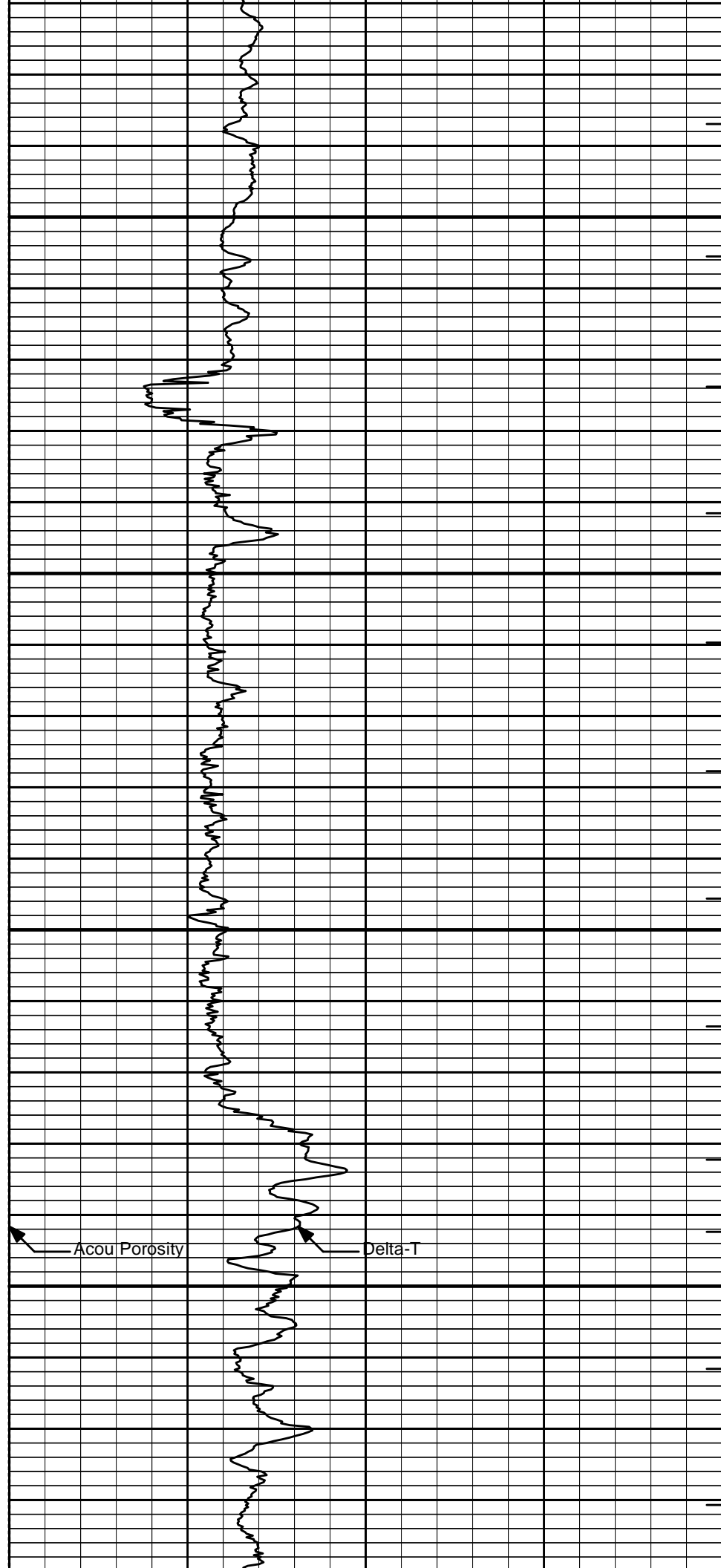


600

Gamma API

Caliper

700



Acou Porosity

Delta-T

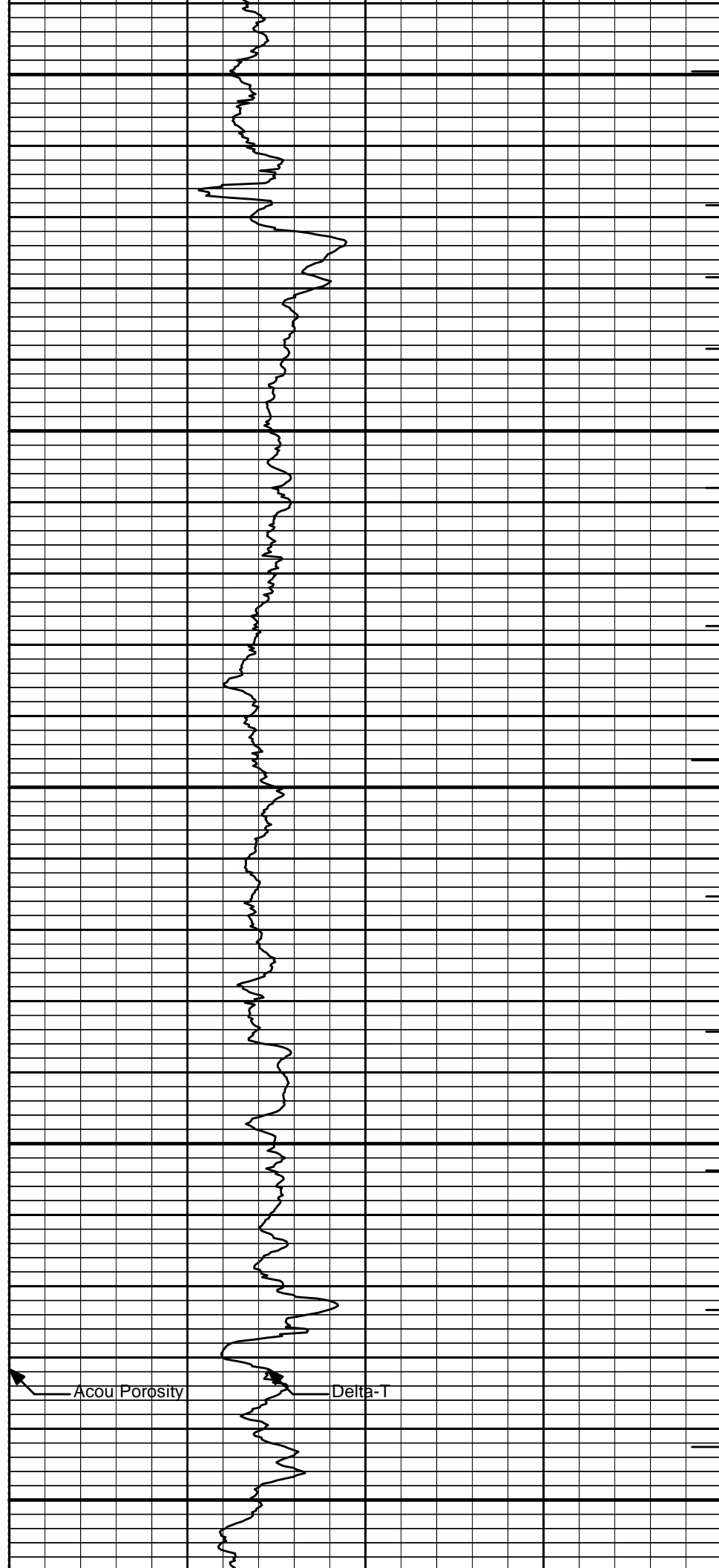


800

900

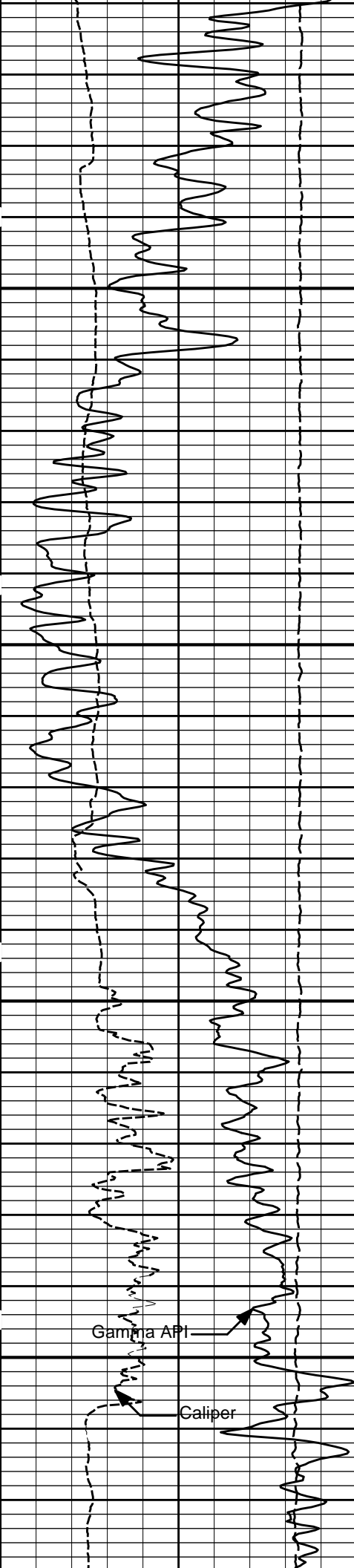
Gamma API

Caliper



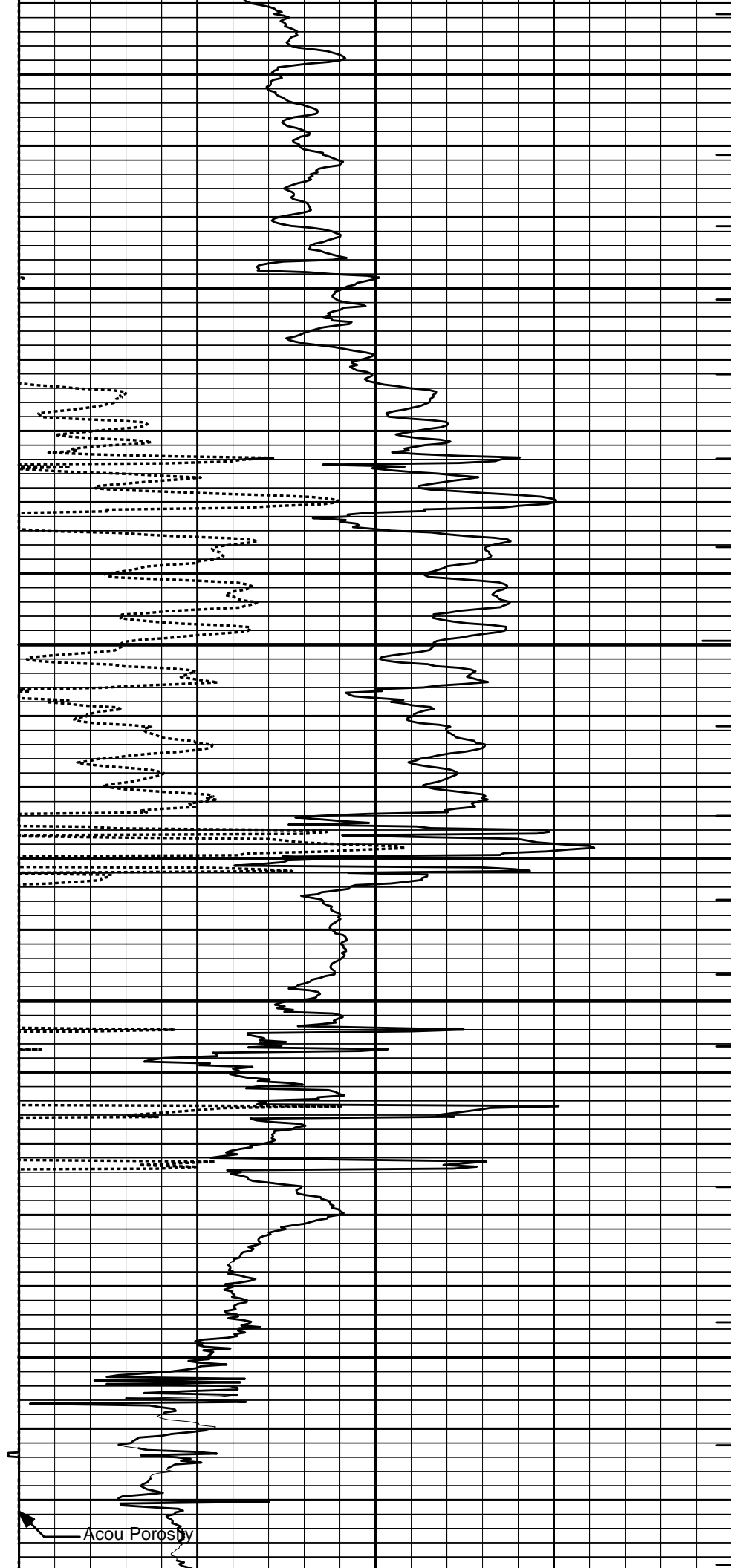
Acou Porosity

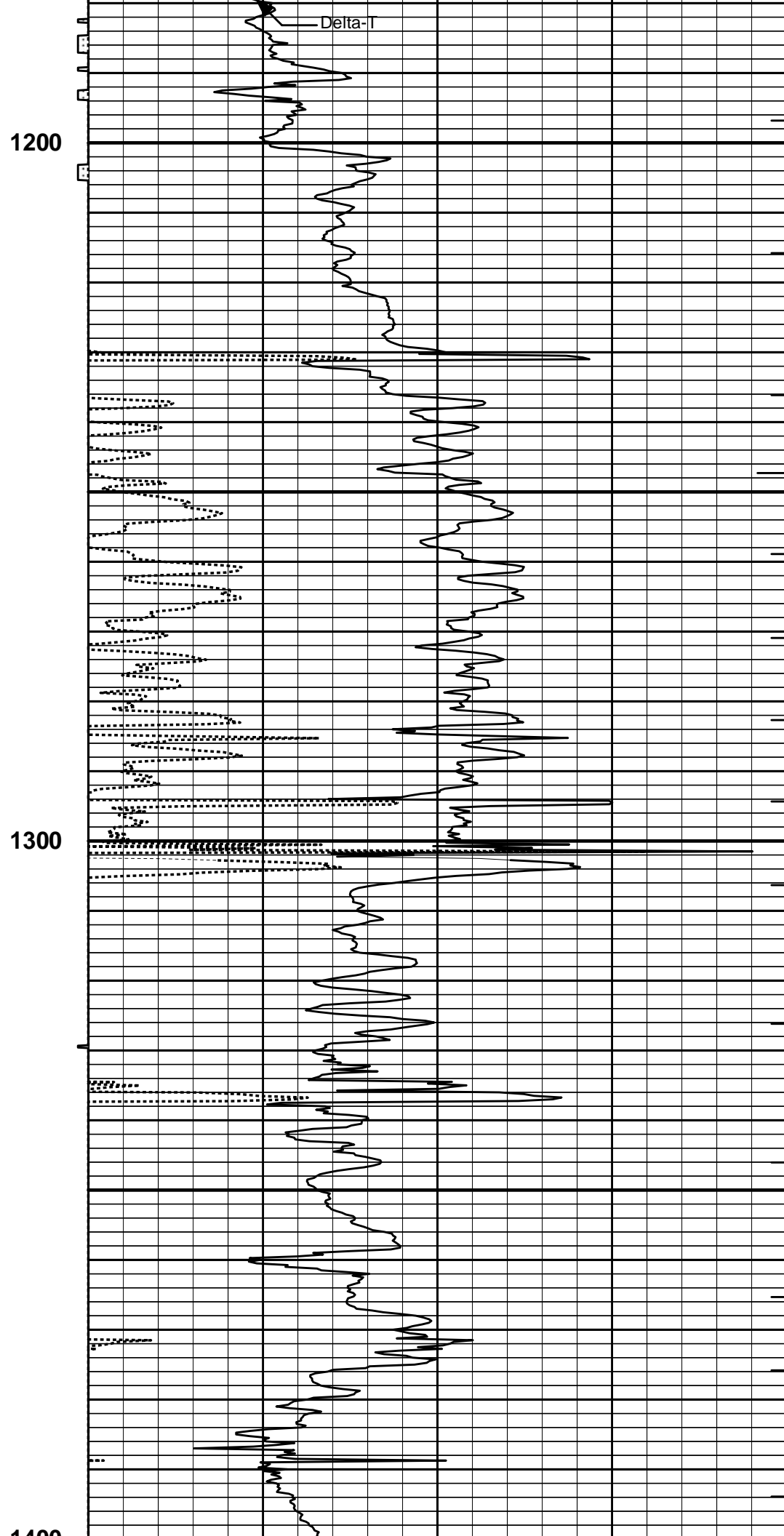
Delta-T

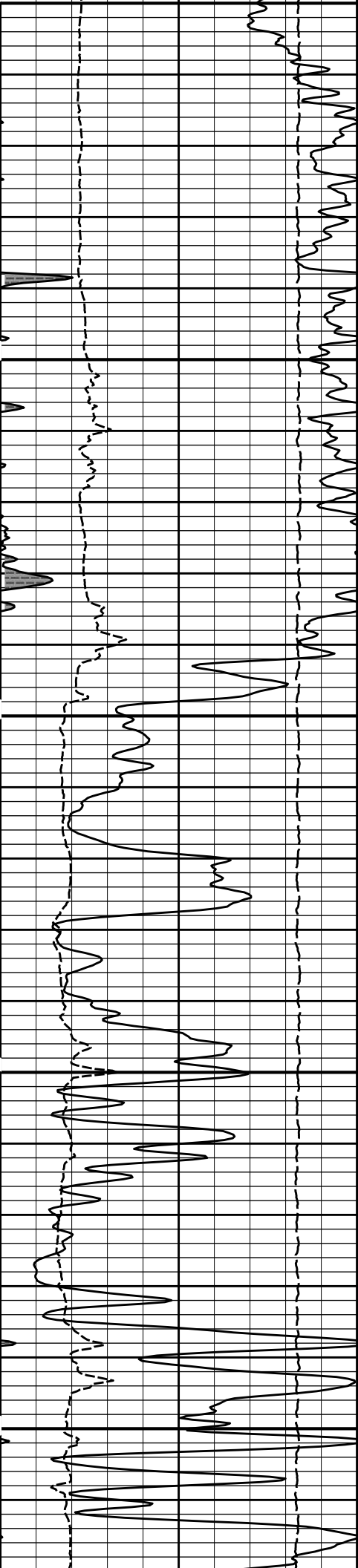


1000

1100



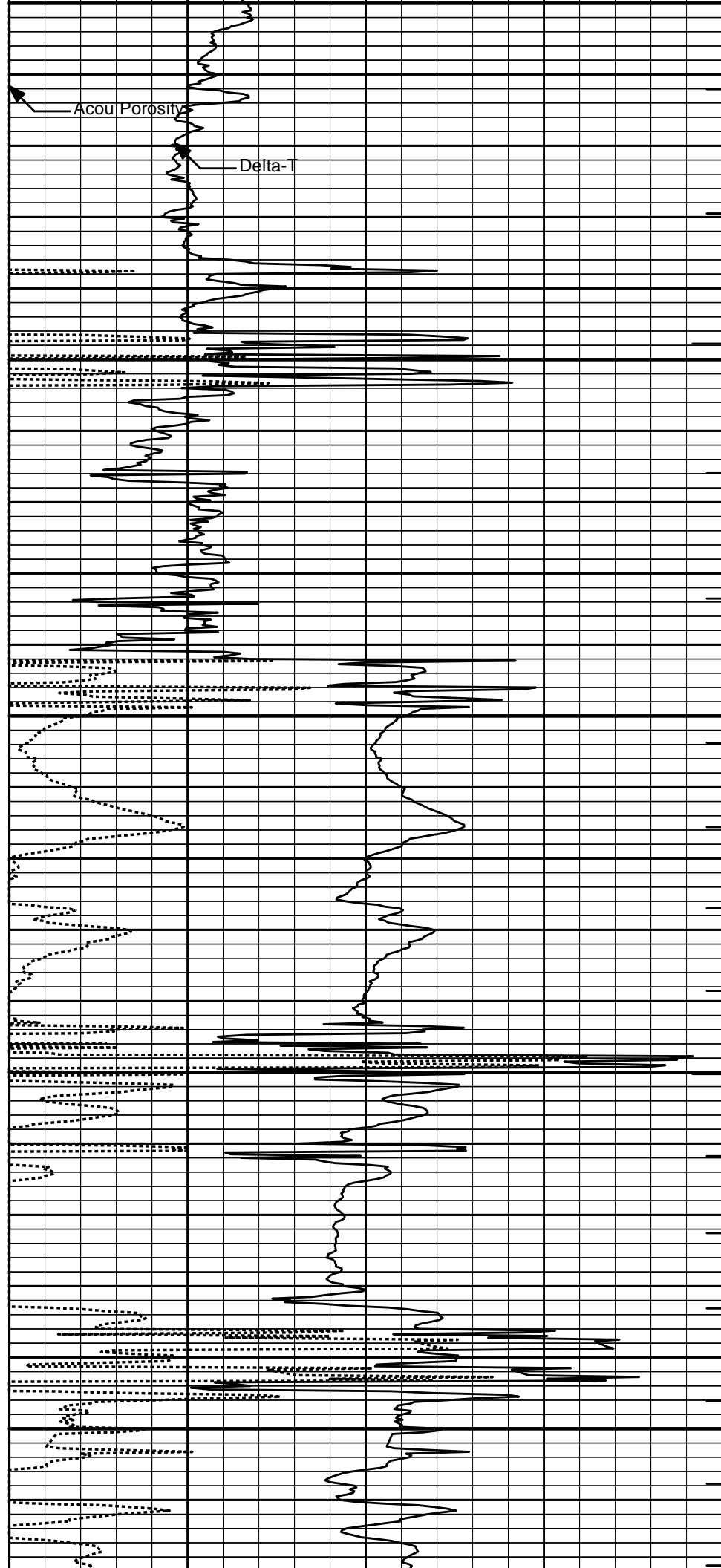


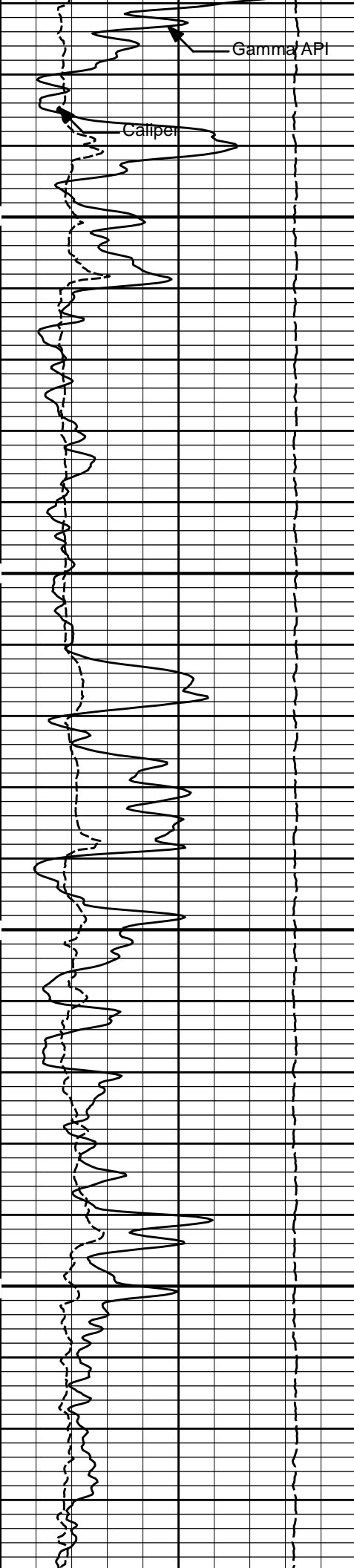


1400

1500

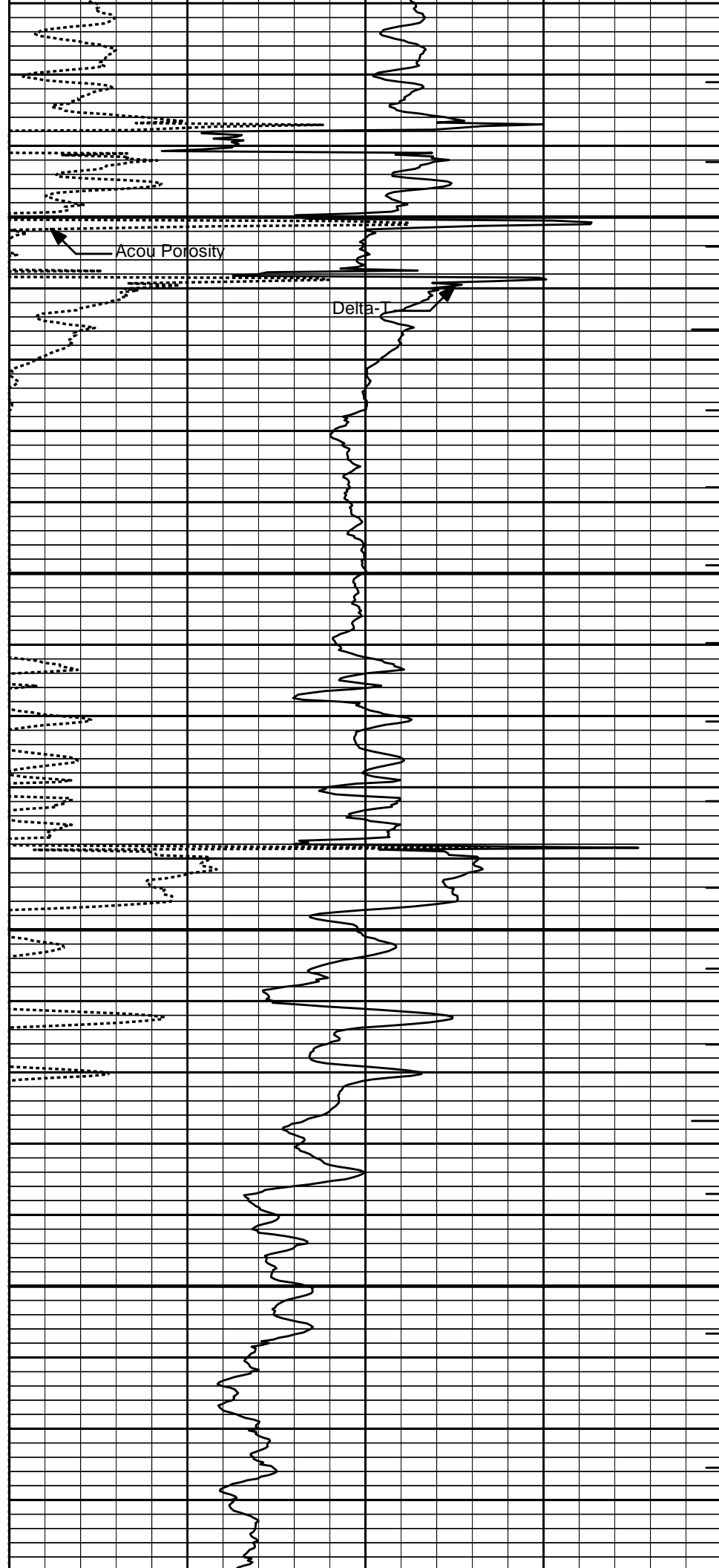
1600

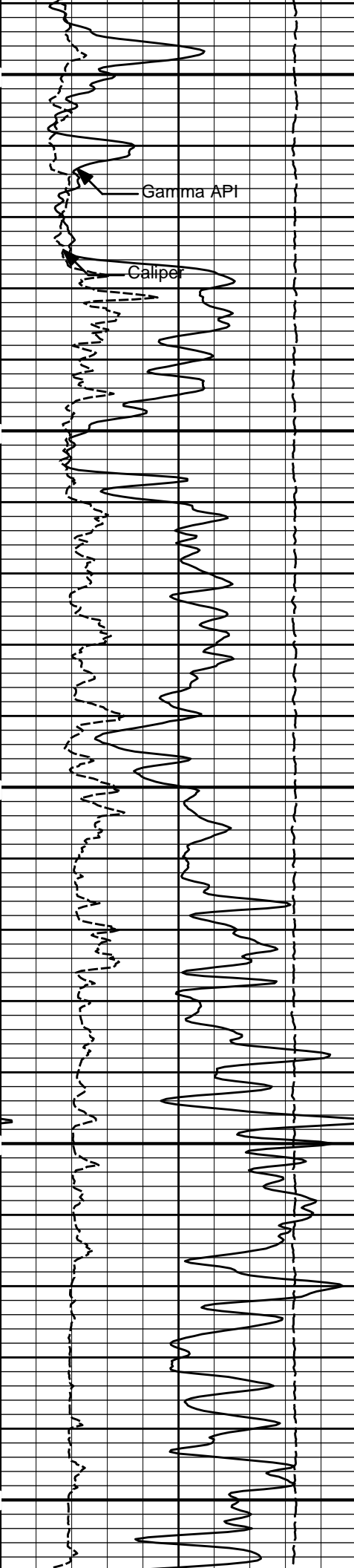




1700

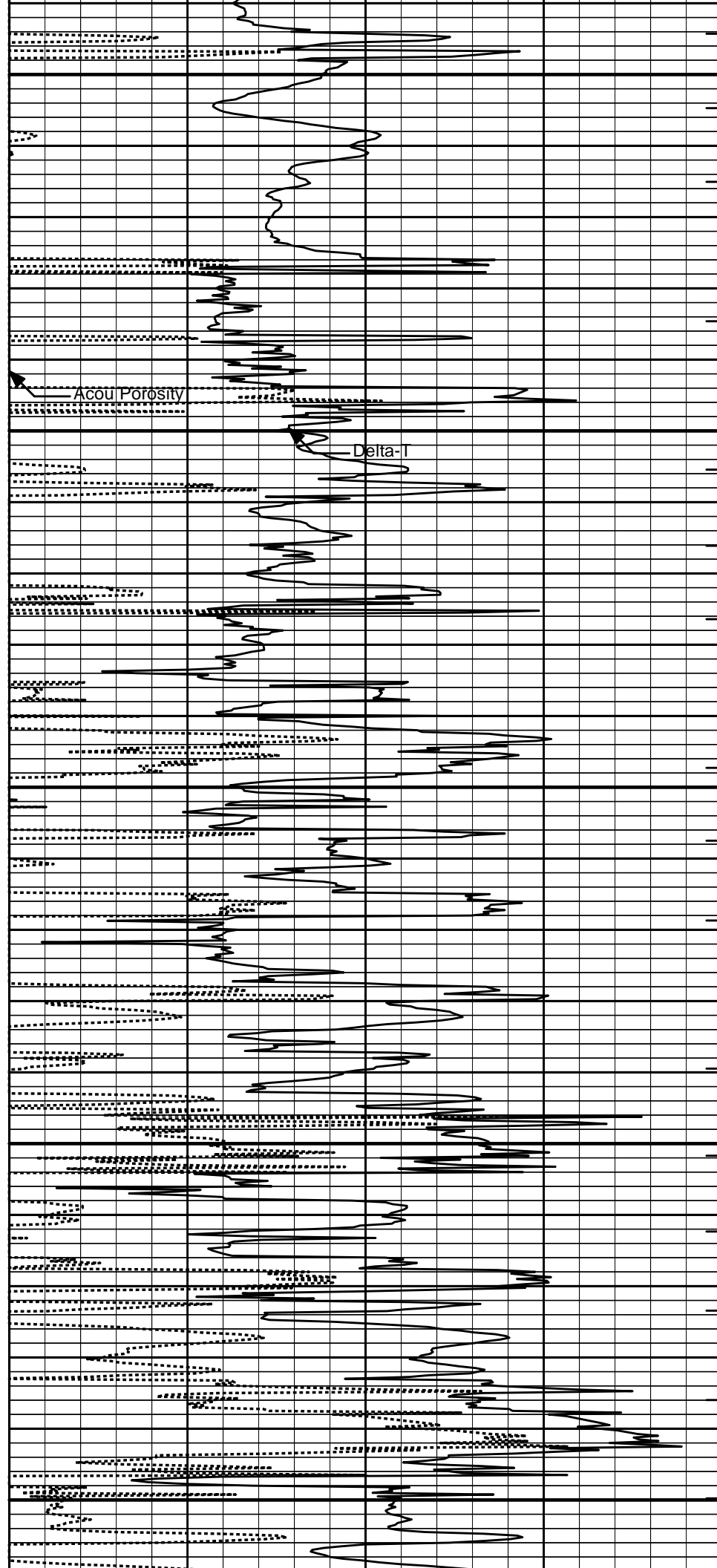
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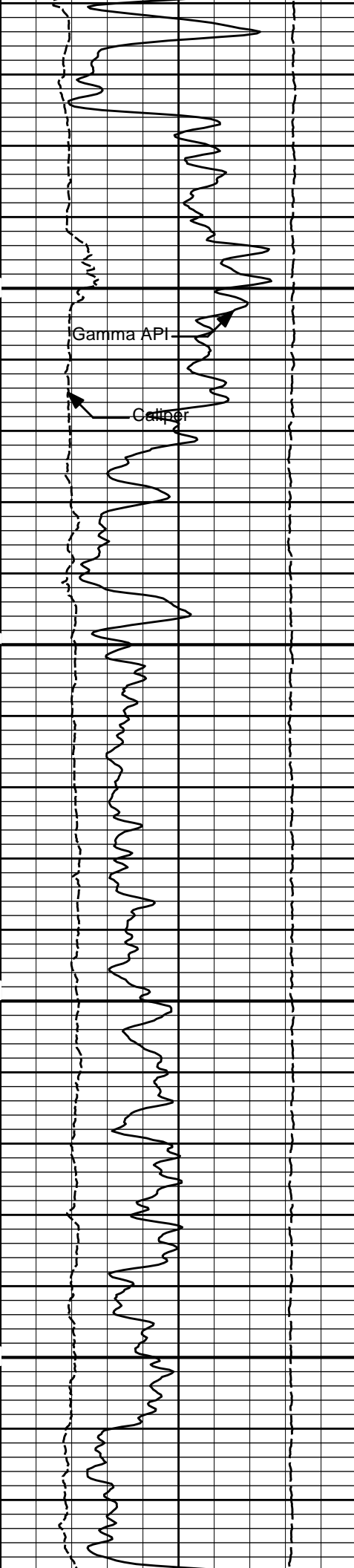




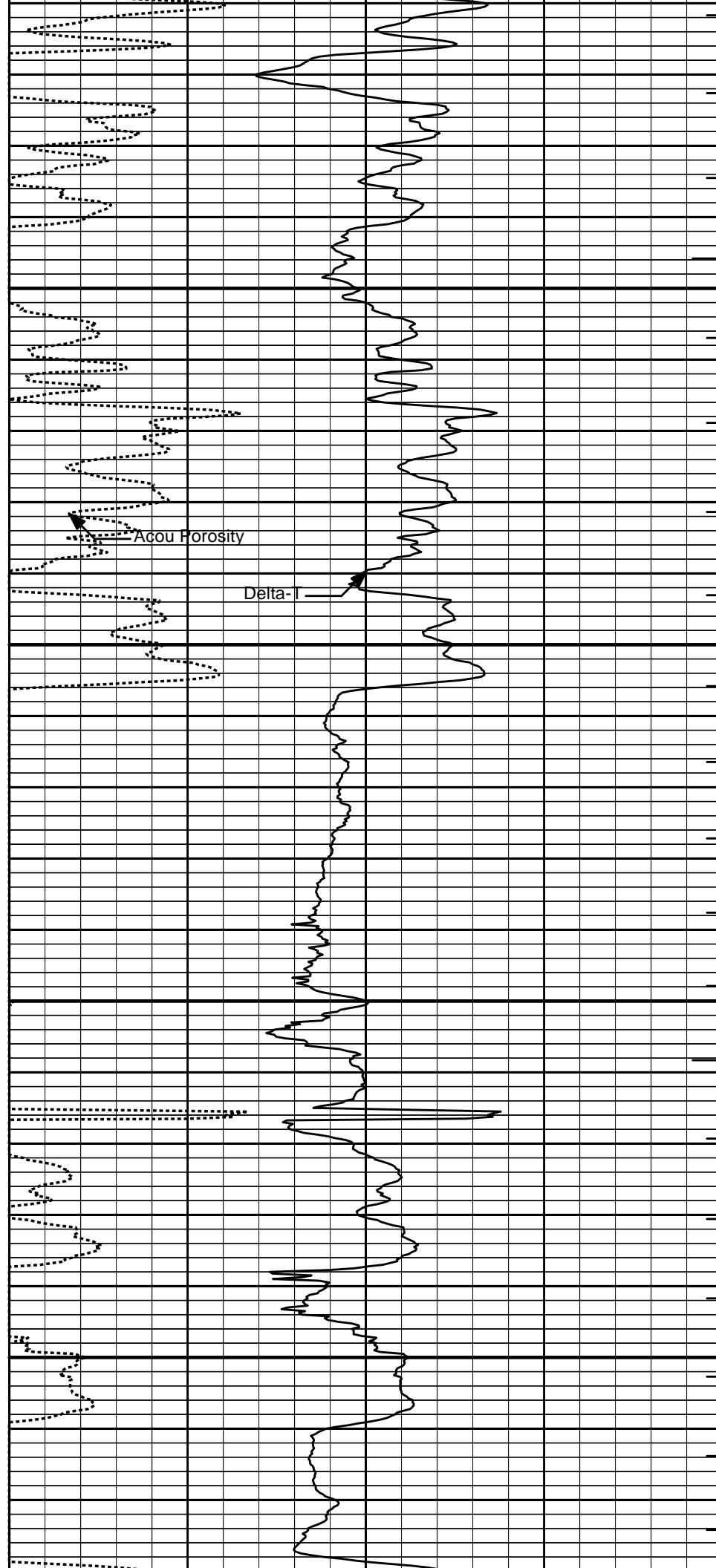
1900

2000

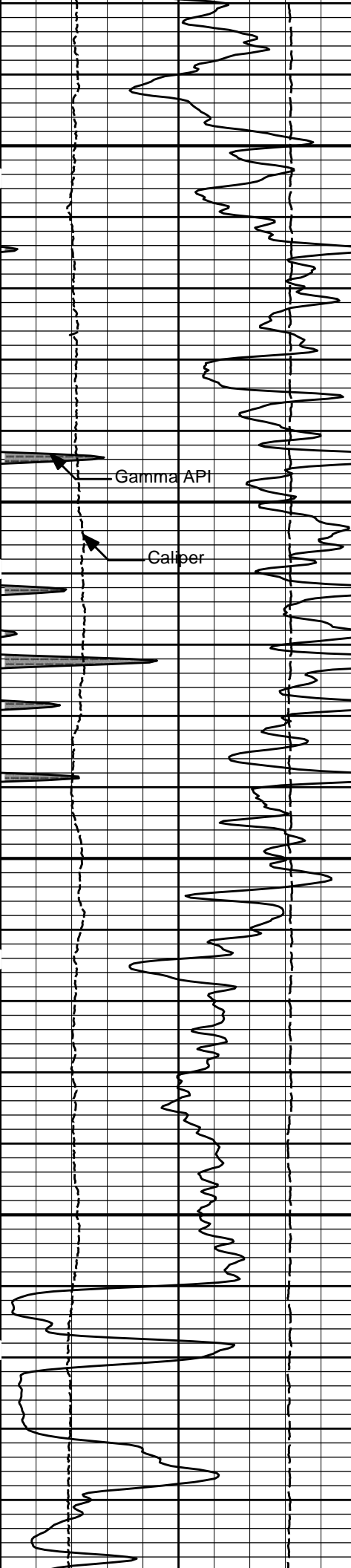




2100



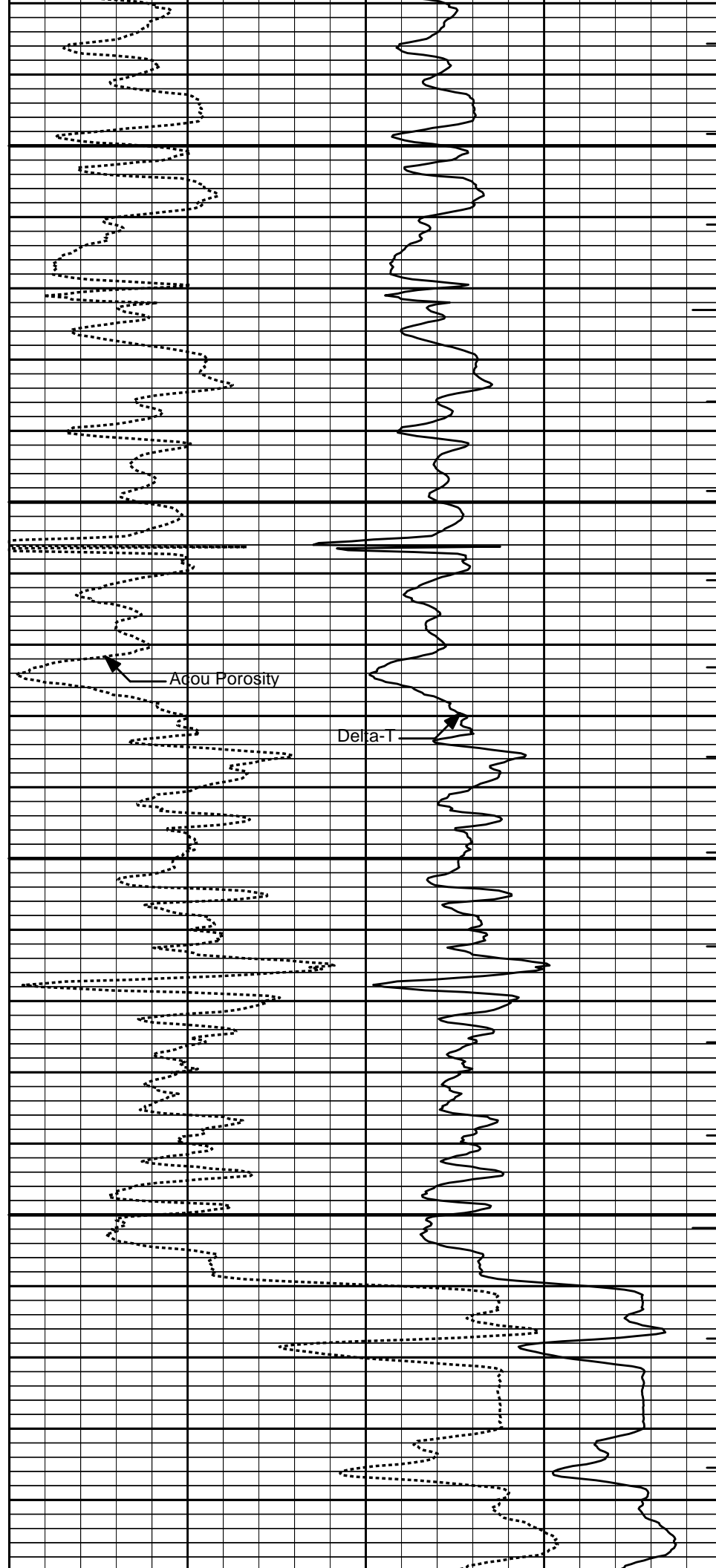
2200

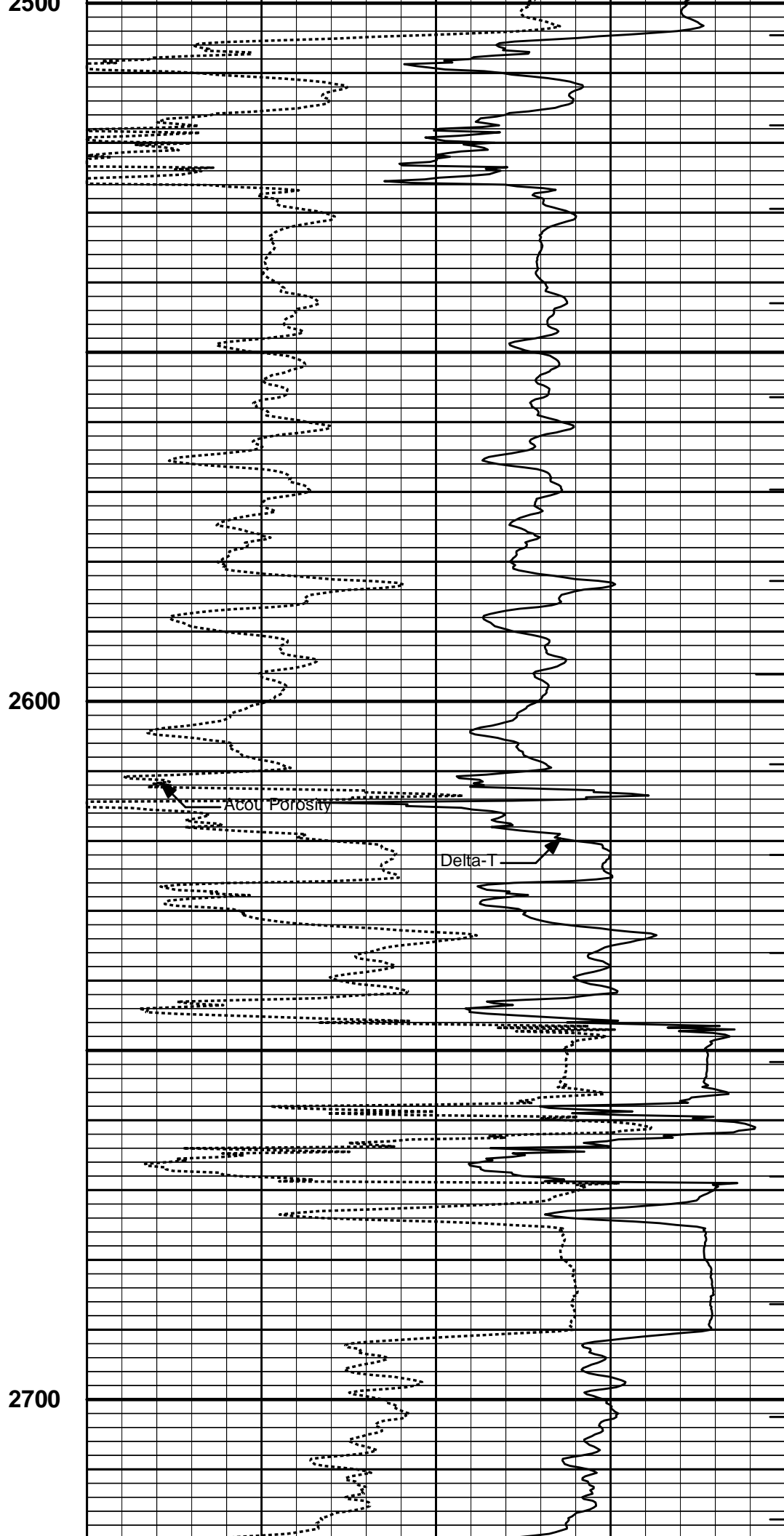
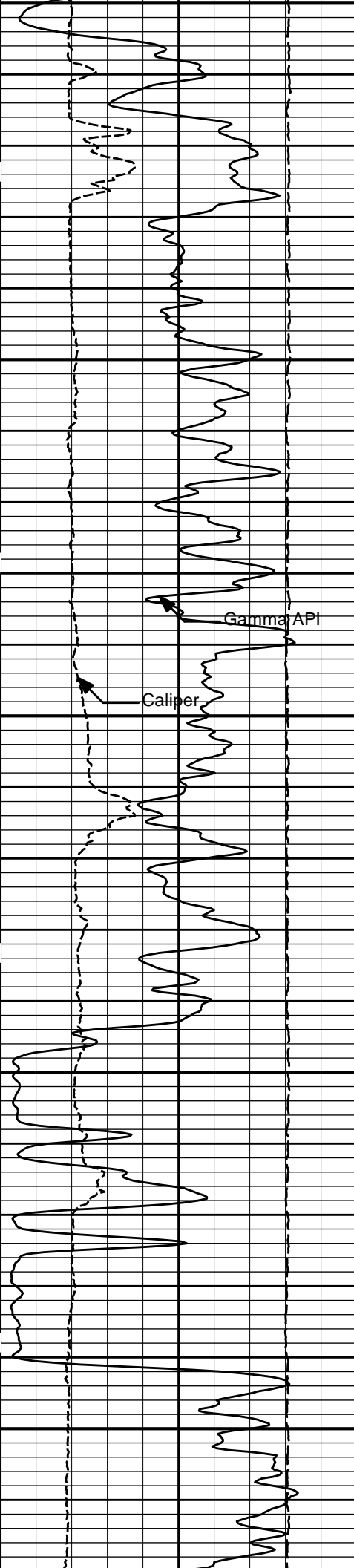


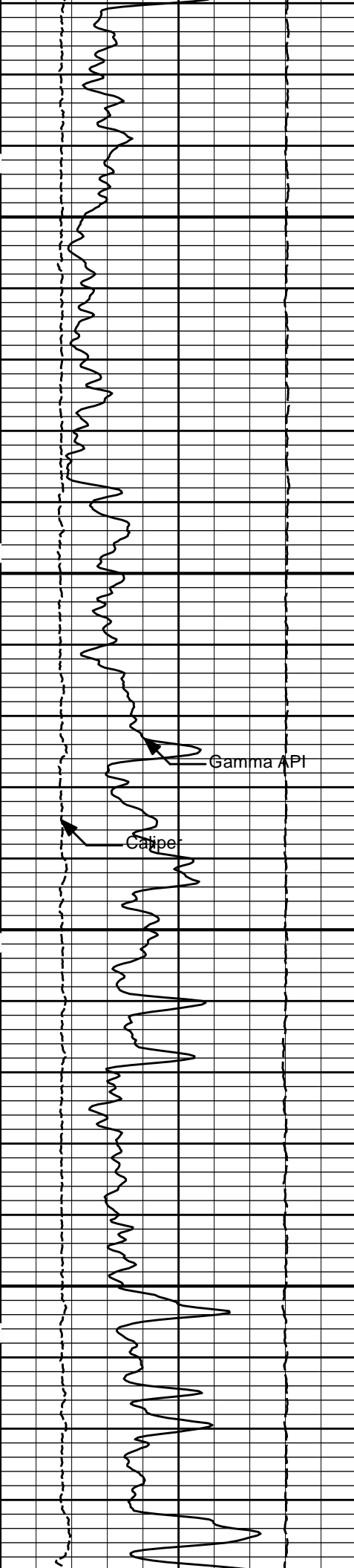
2300

2400

2500

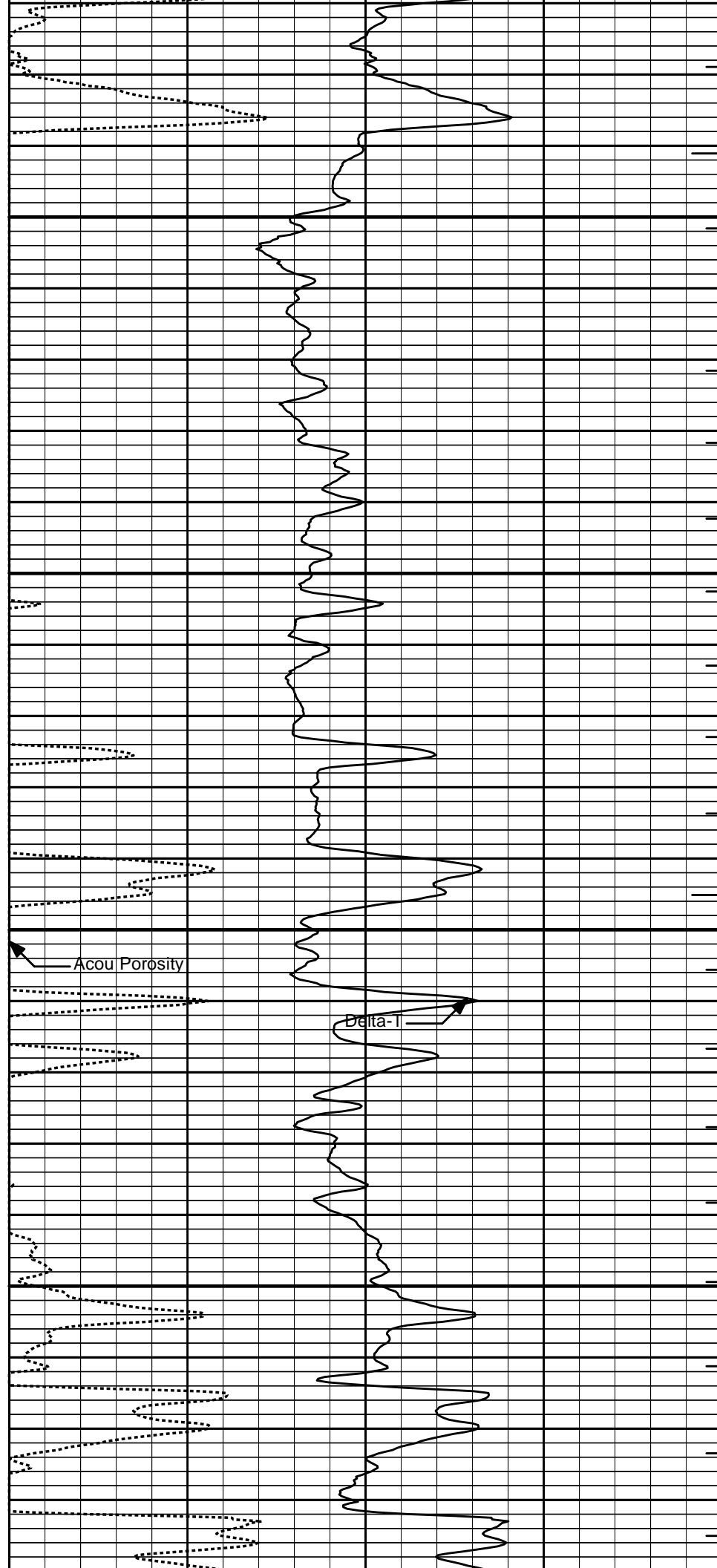


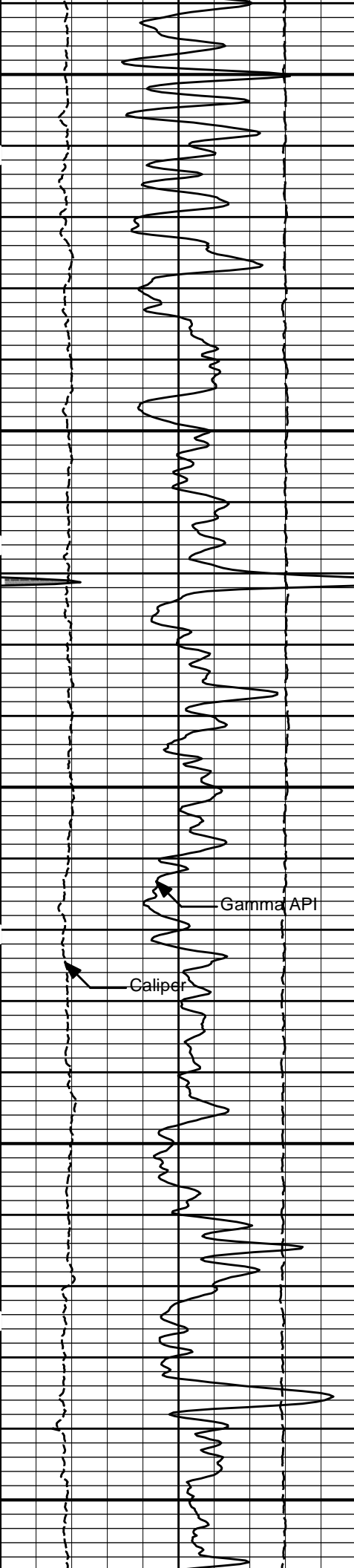




2800

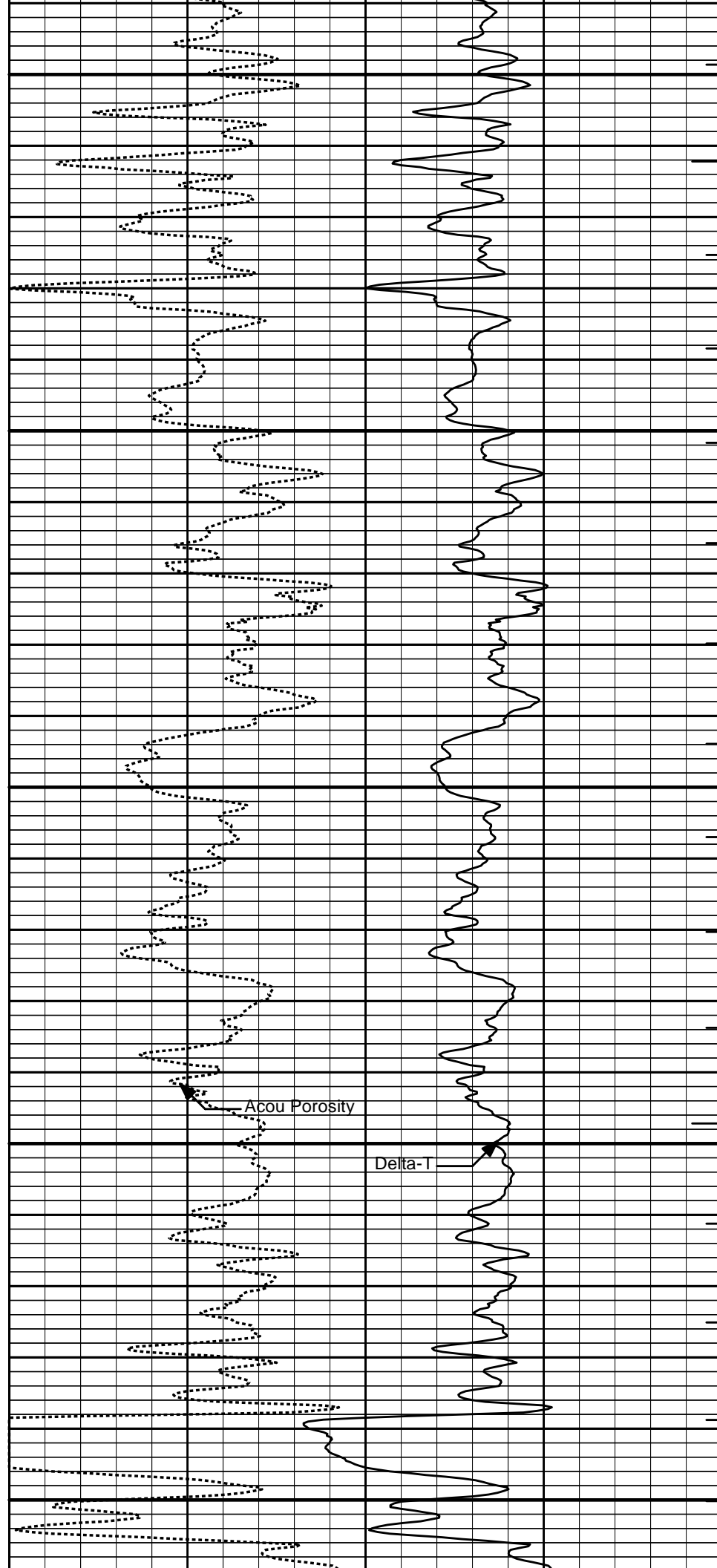
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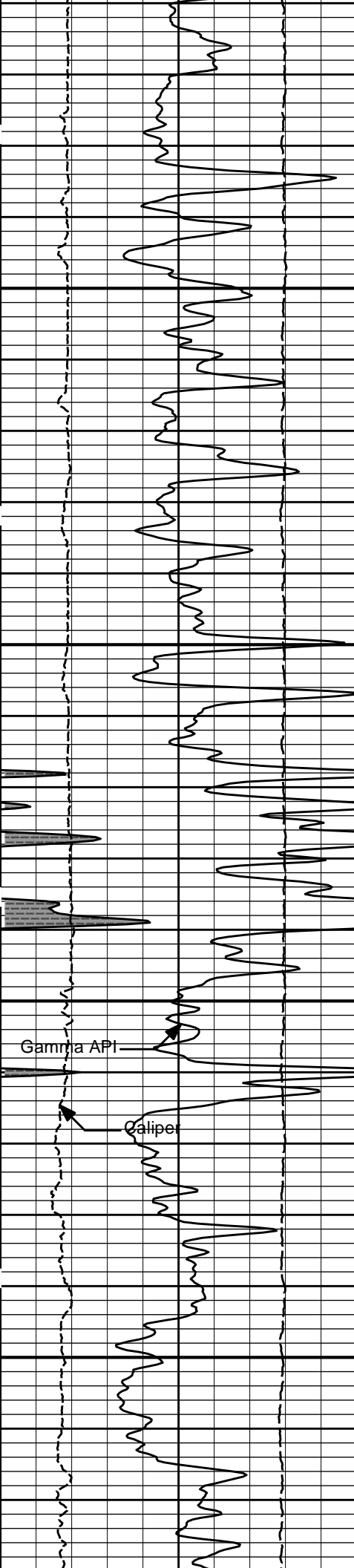




3000

3100



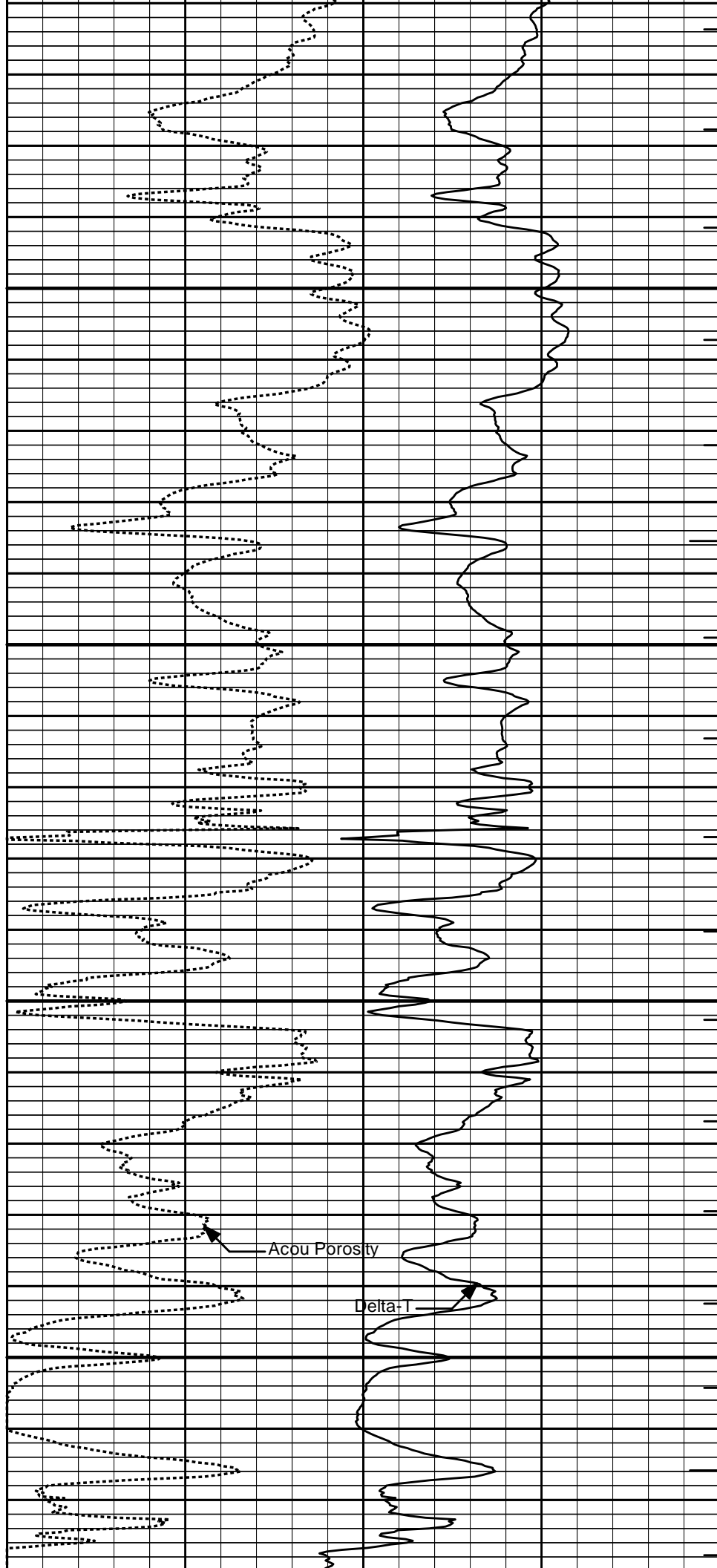


3200

3300

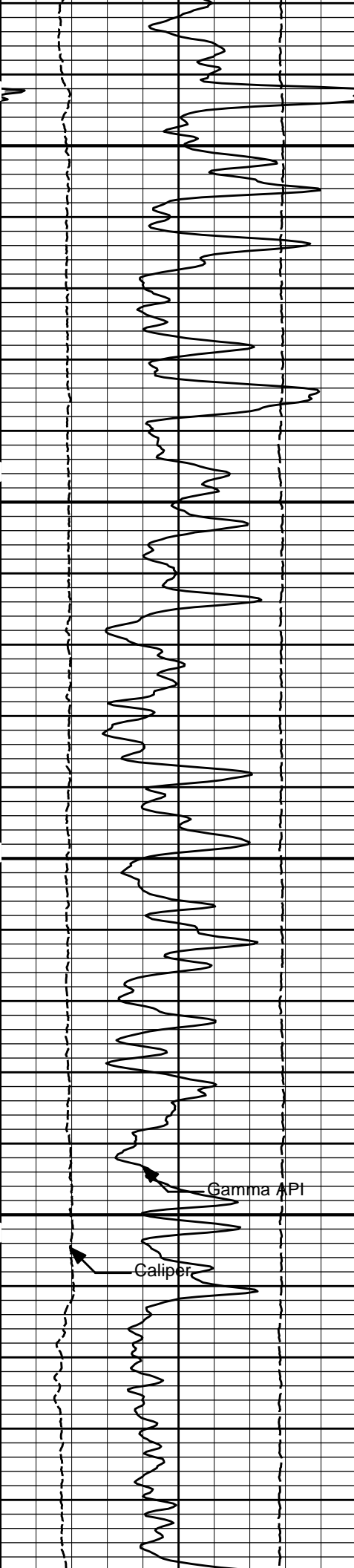
Gamma API

Caliper



Acou Porosity

Delta-T



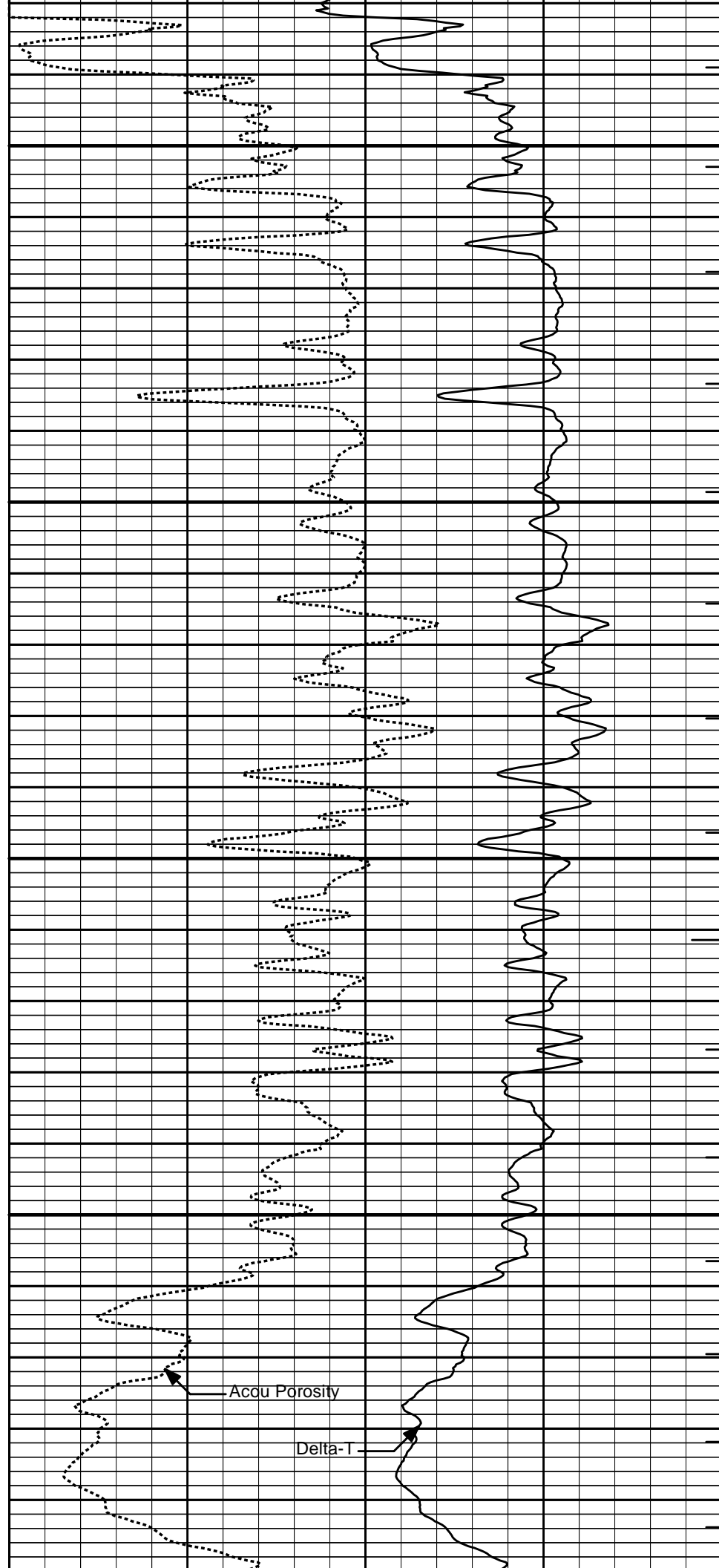
3400

3500

Gamma API

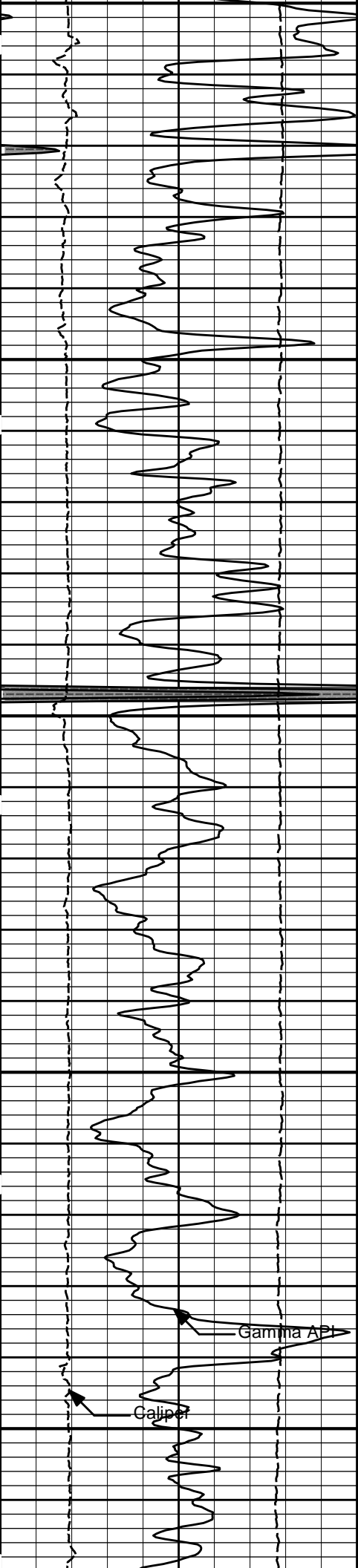
Caliper

3600



Acou Porosity

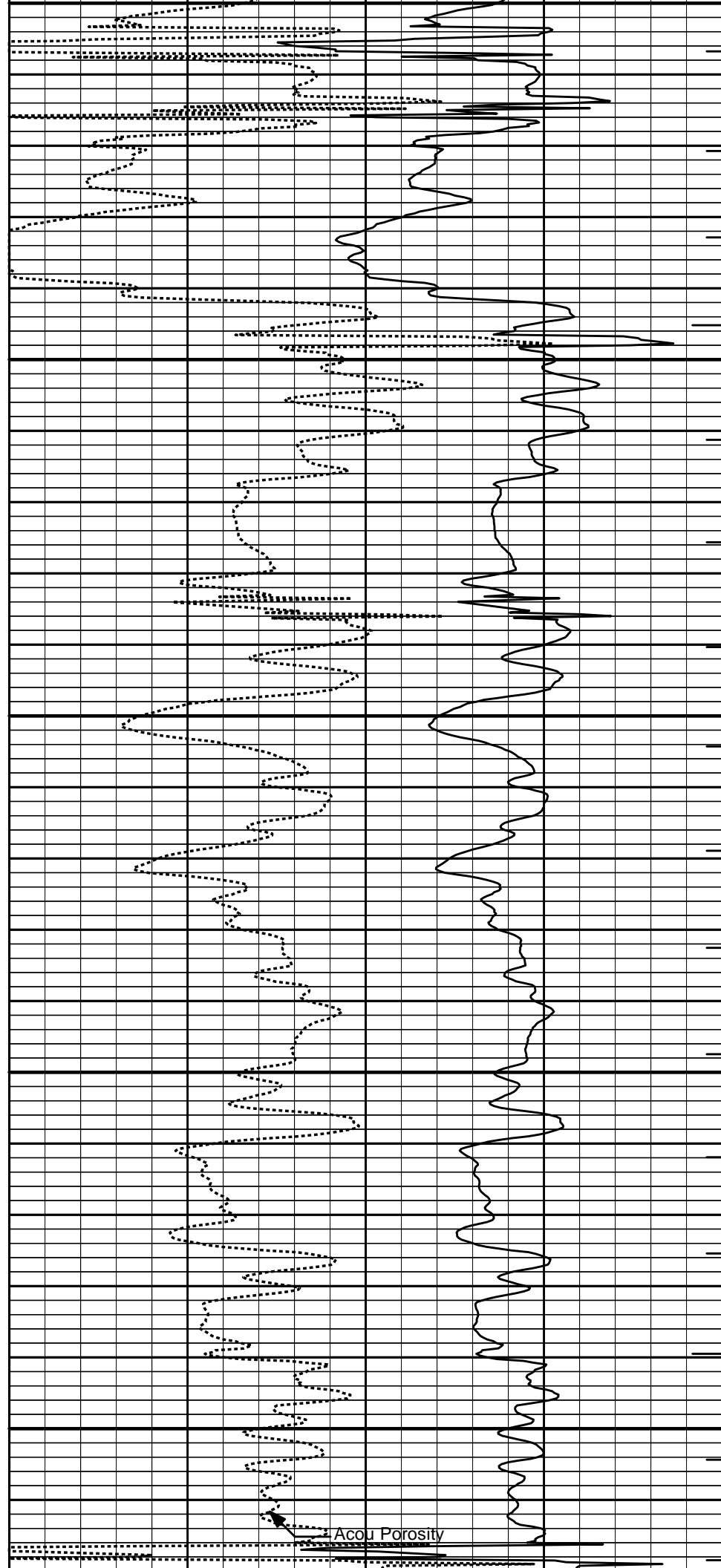
Delta-T

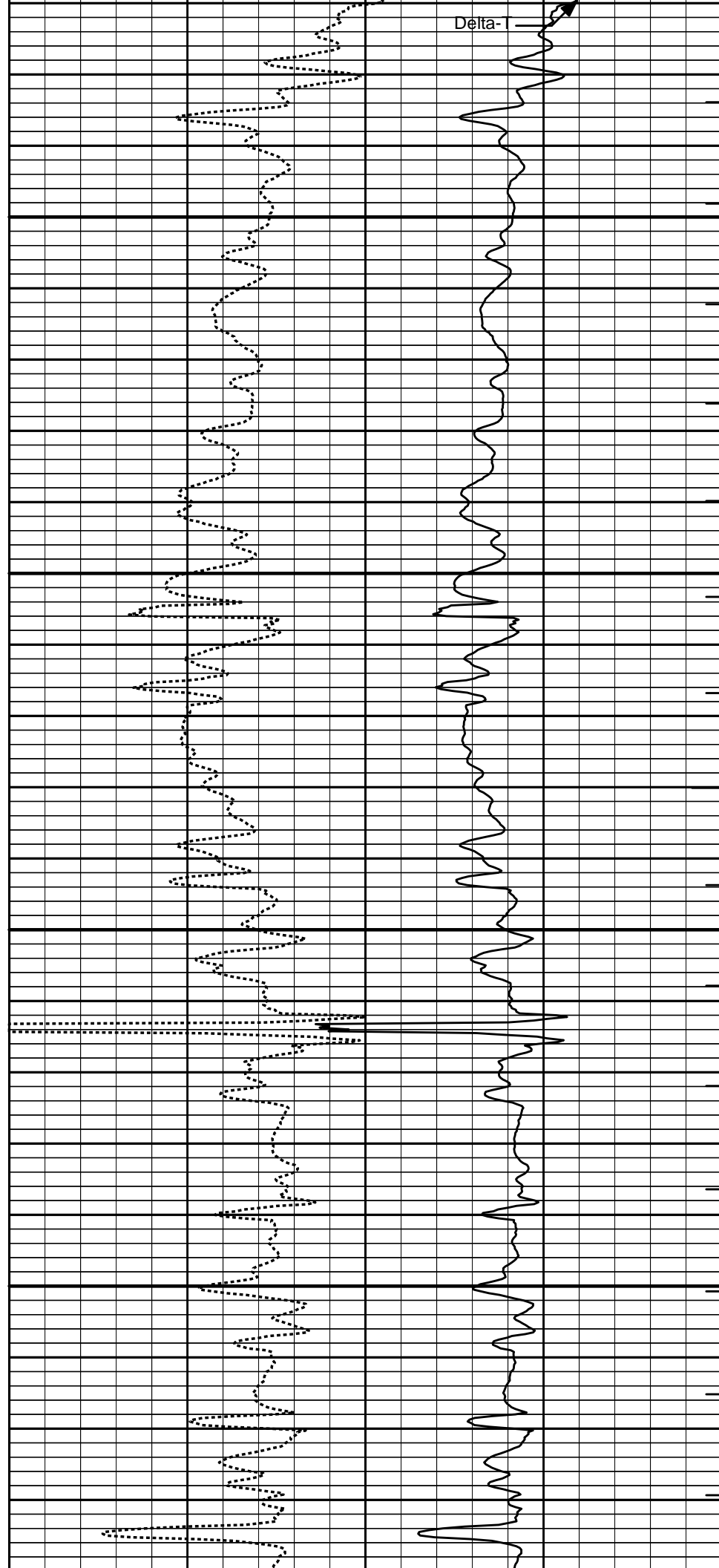
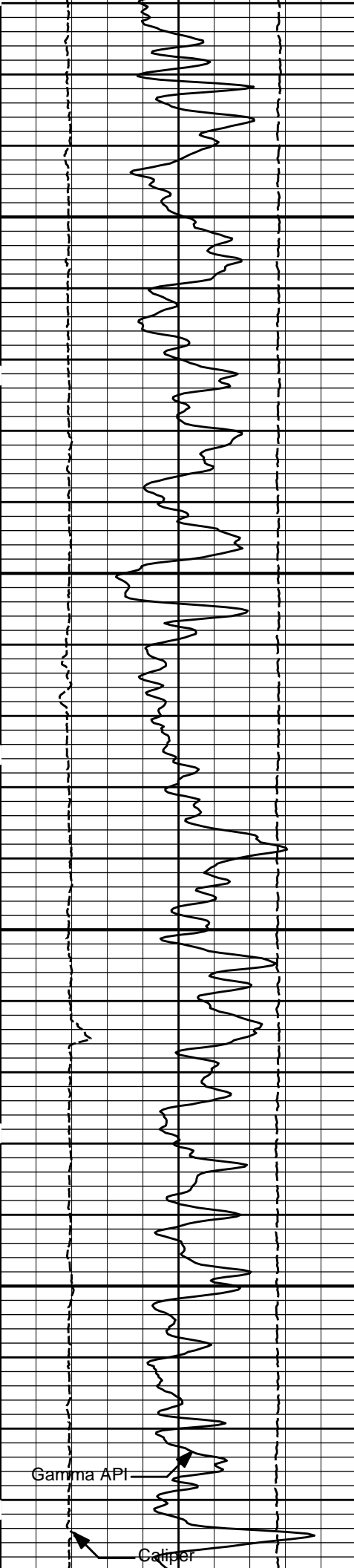


3600

3700

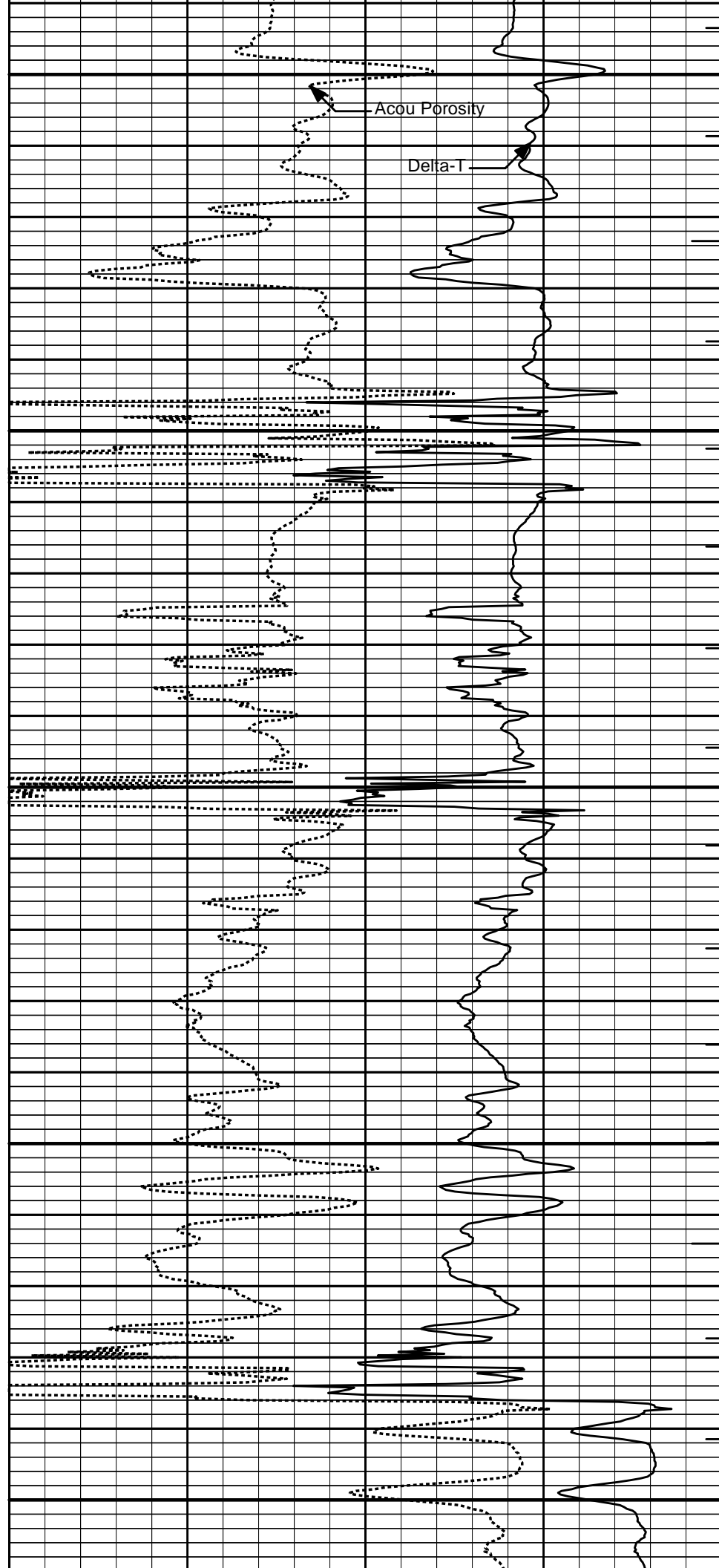
3800







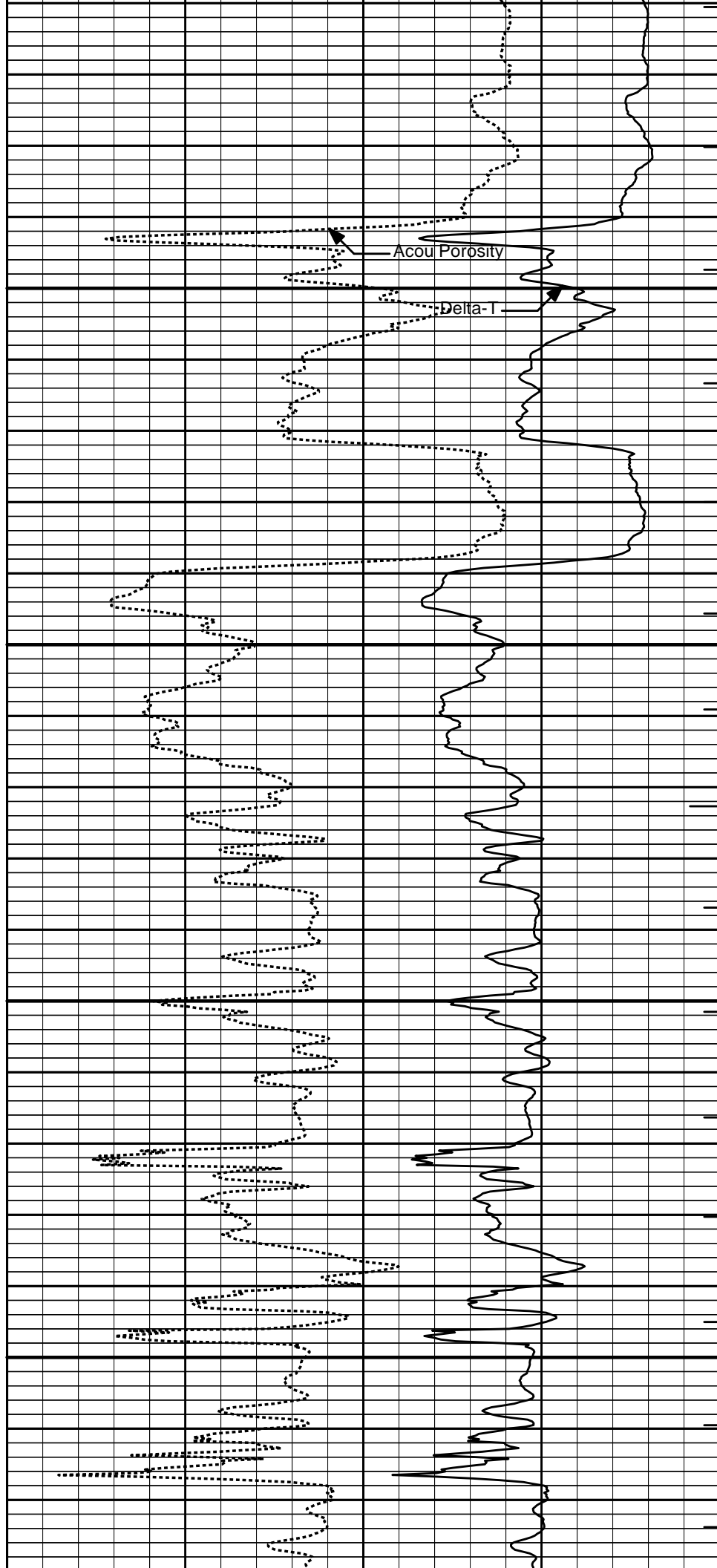
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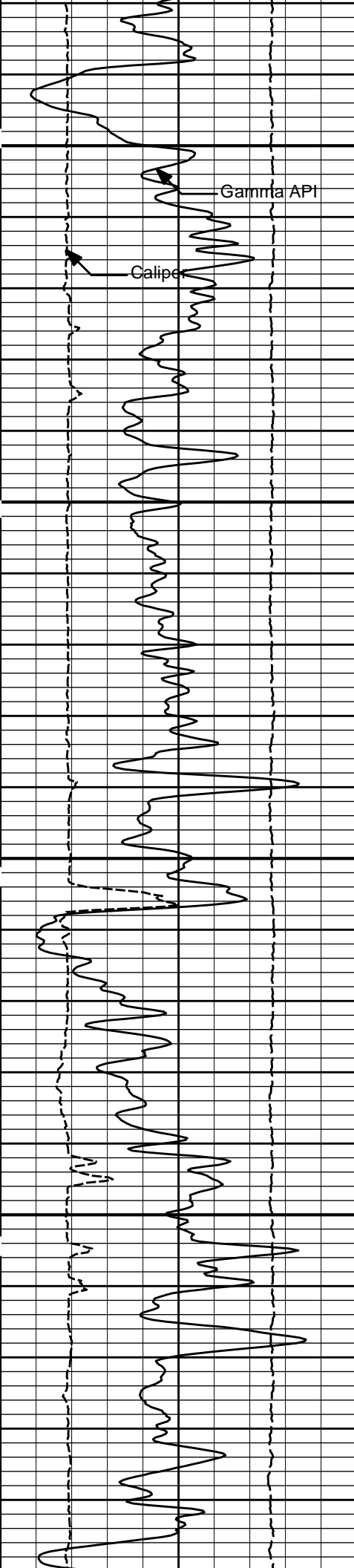




4300

4400

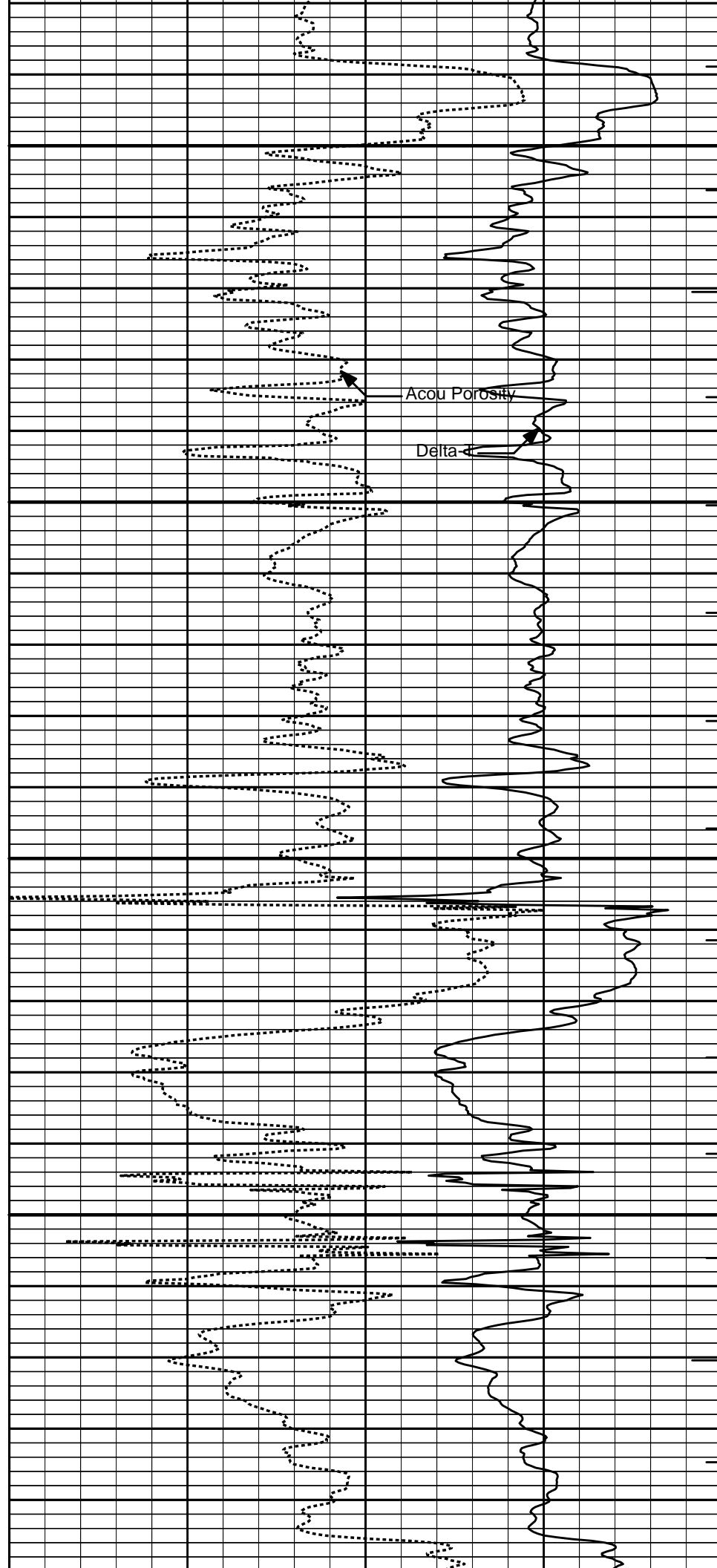


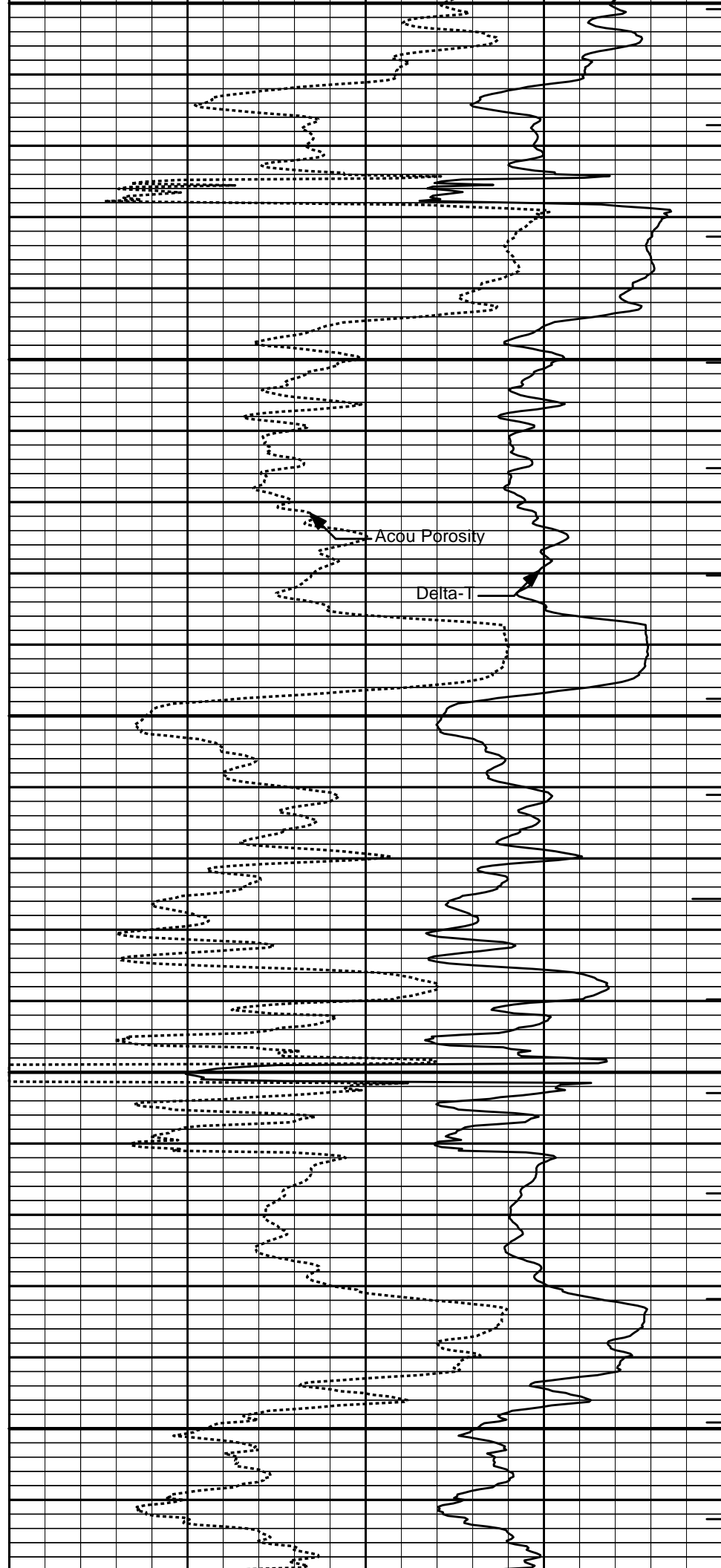
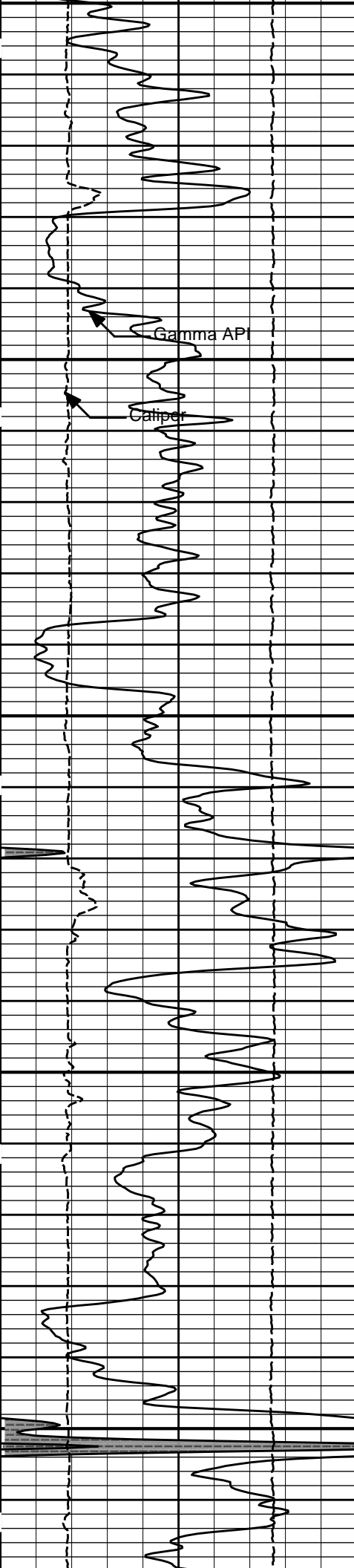


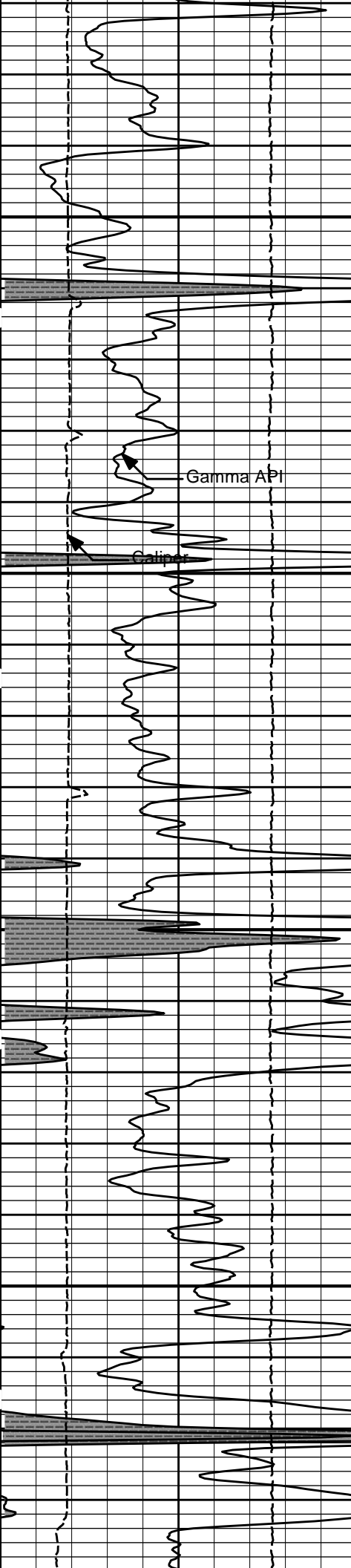
4500

4600

4700

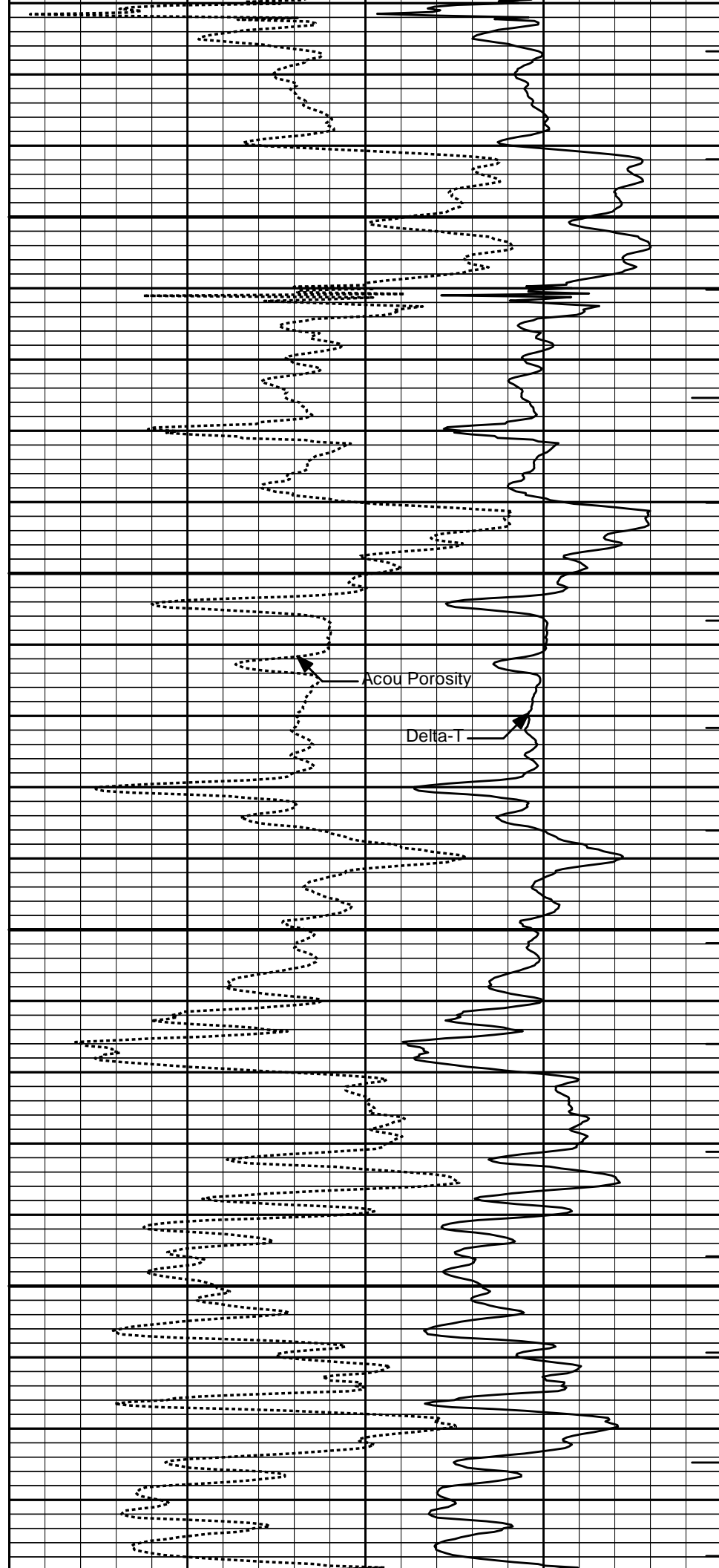


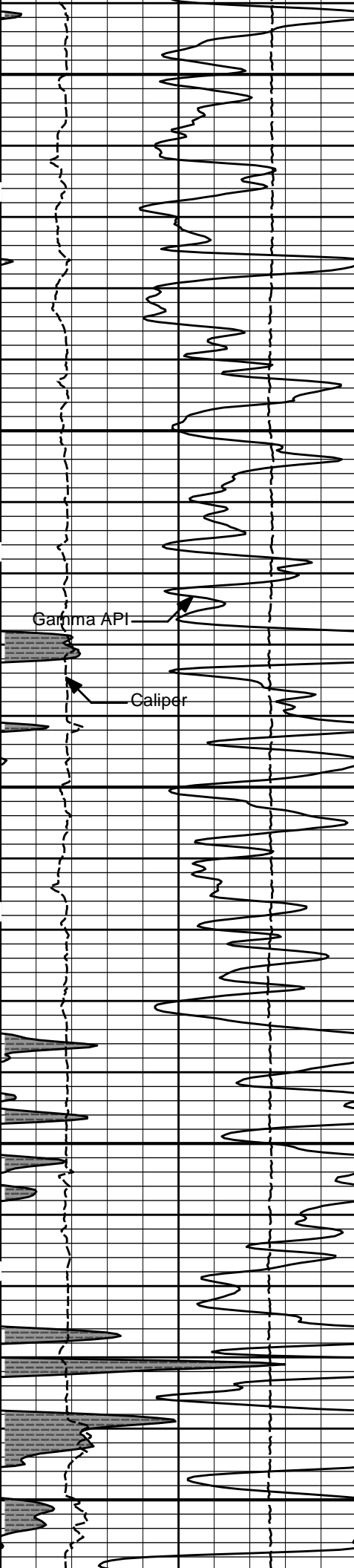




5000

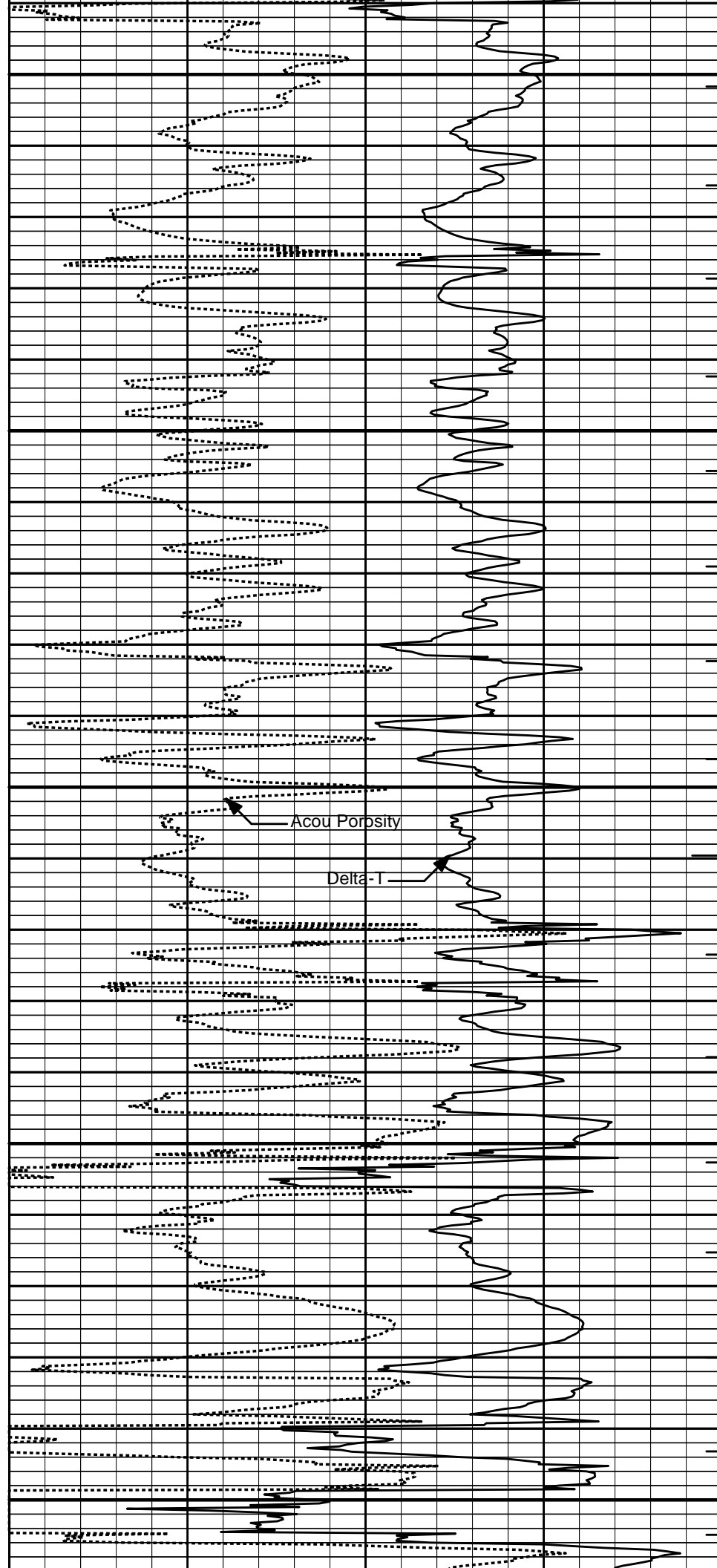
5100

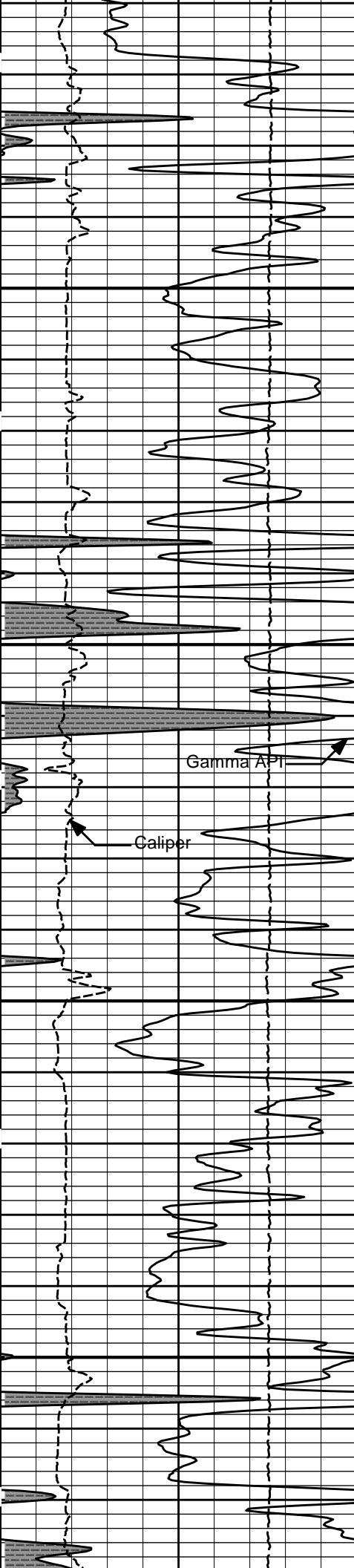




5200

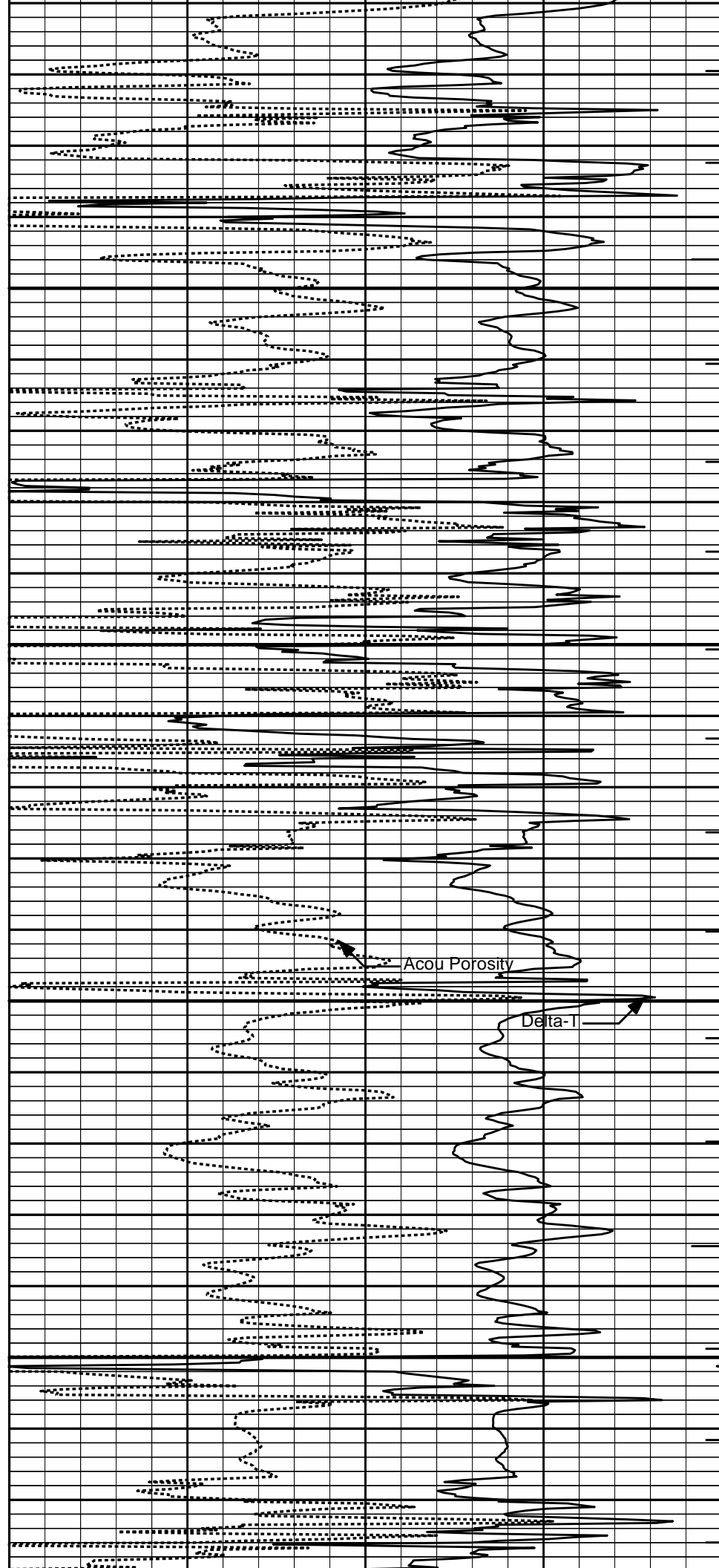
5300

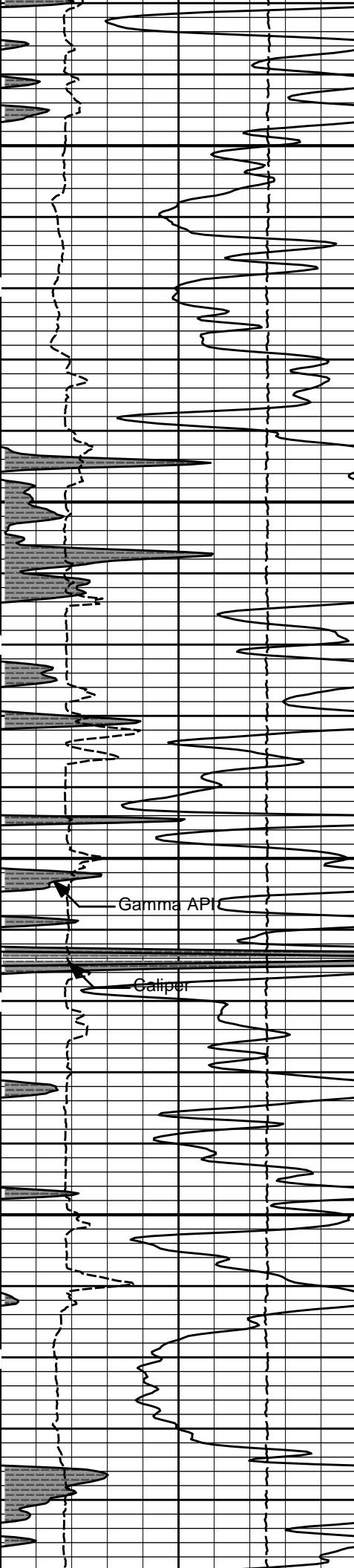




5400

5500





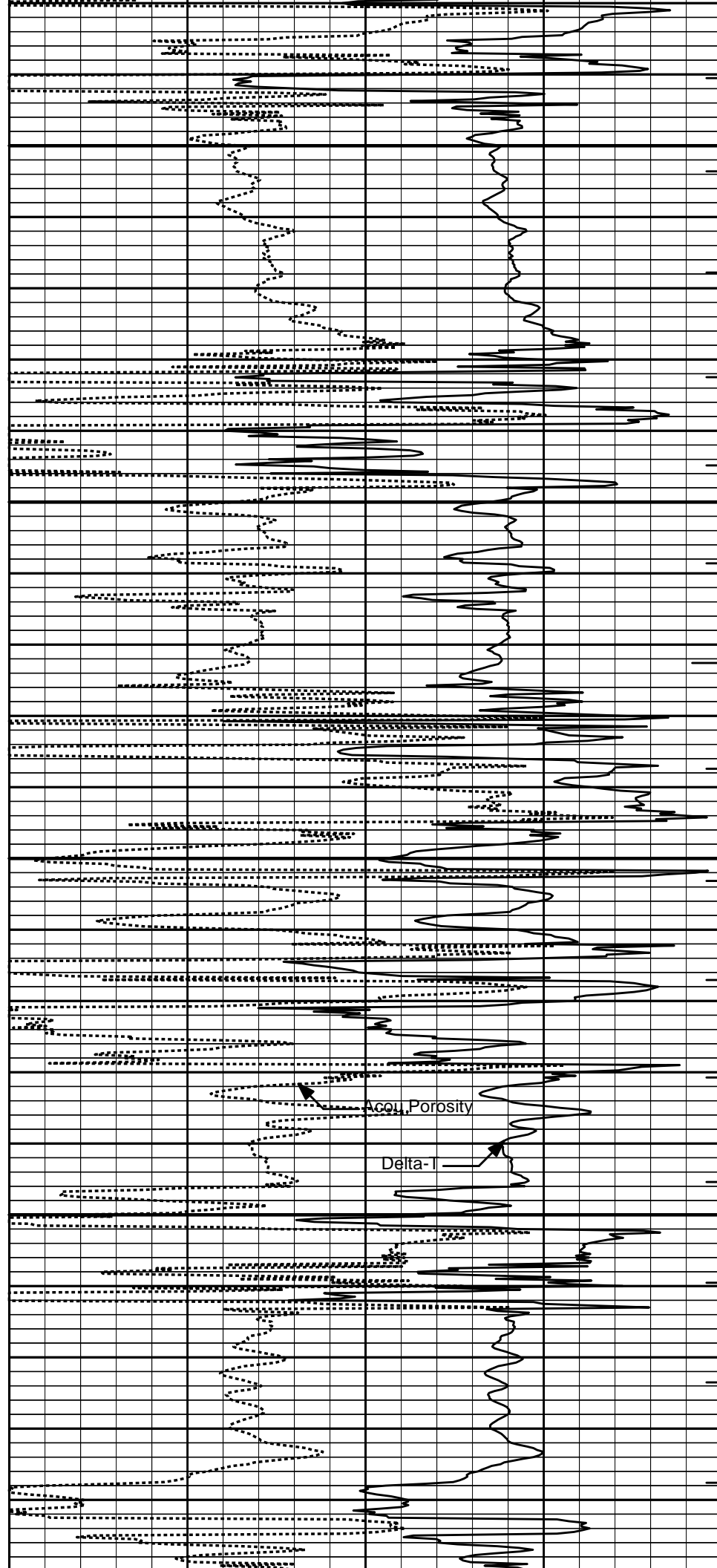
5600

5700

Gamma API

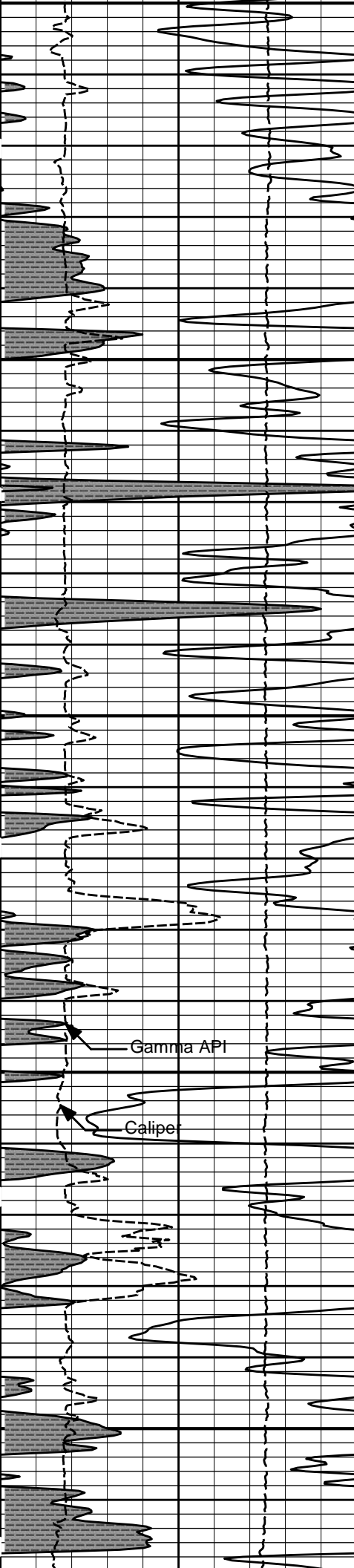
Caliper

5800



Acou. Porosity

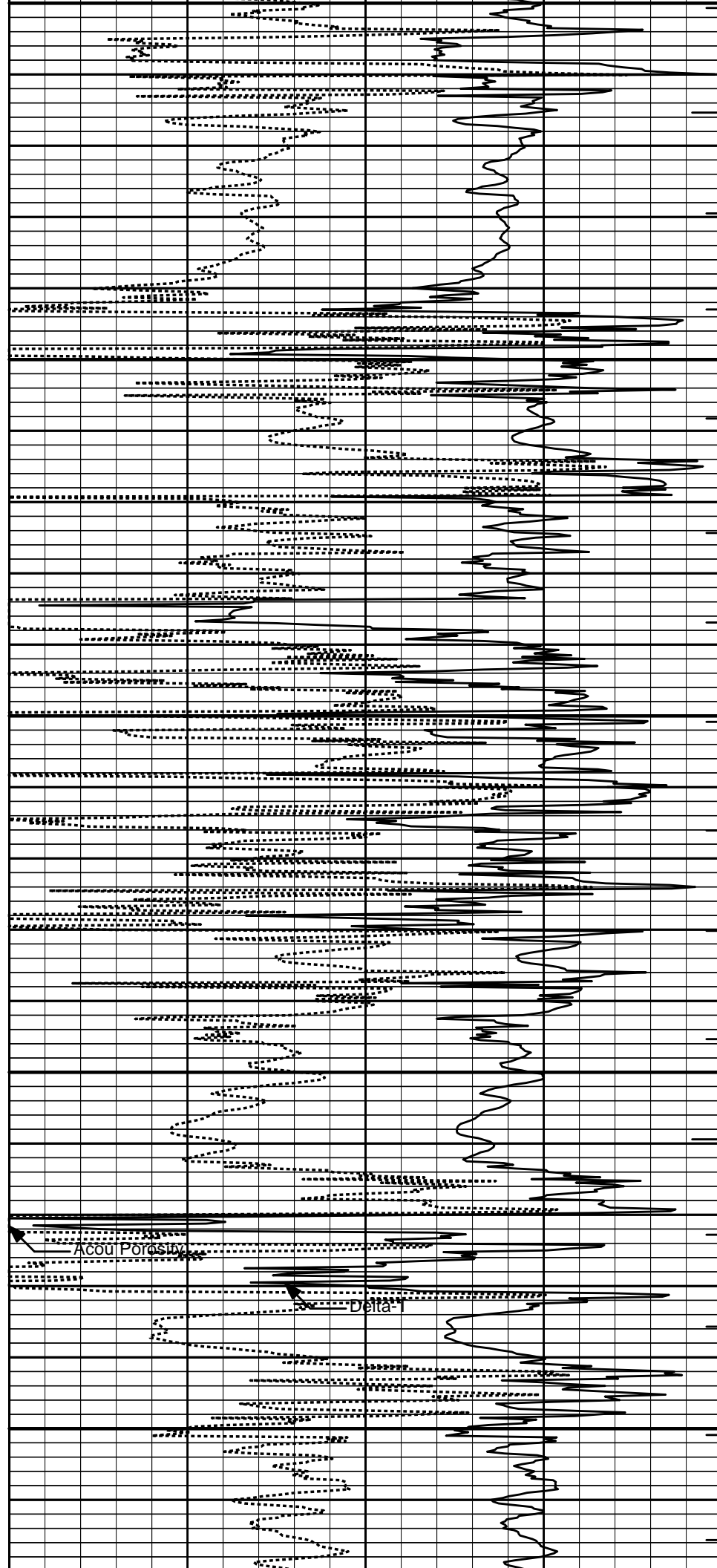
Delta-I



5800

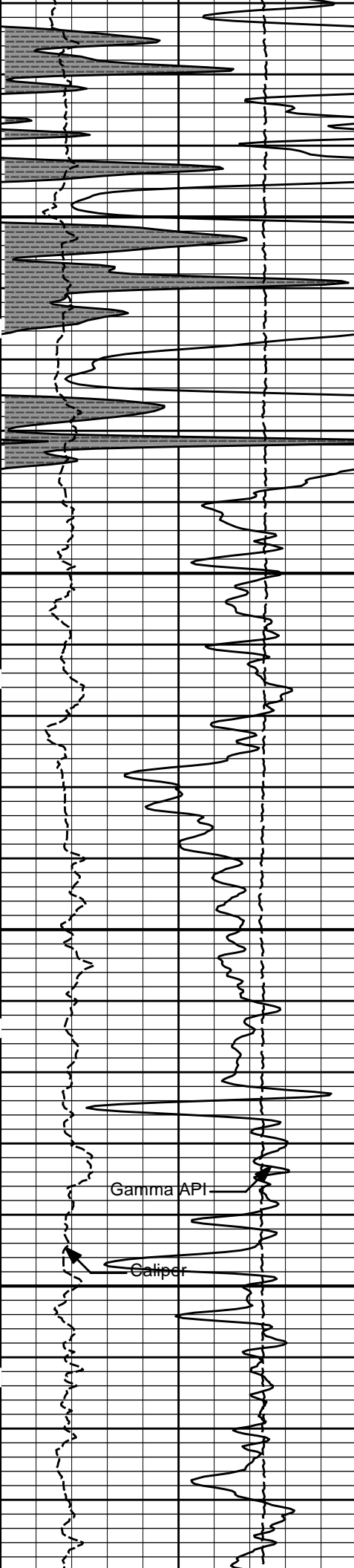
5900

6000



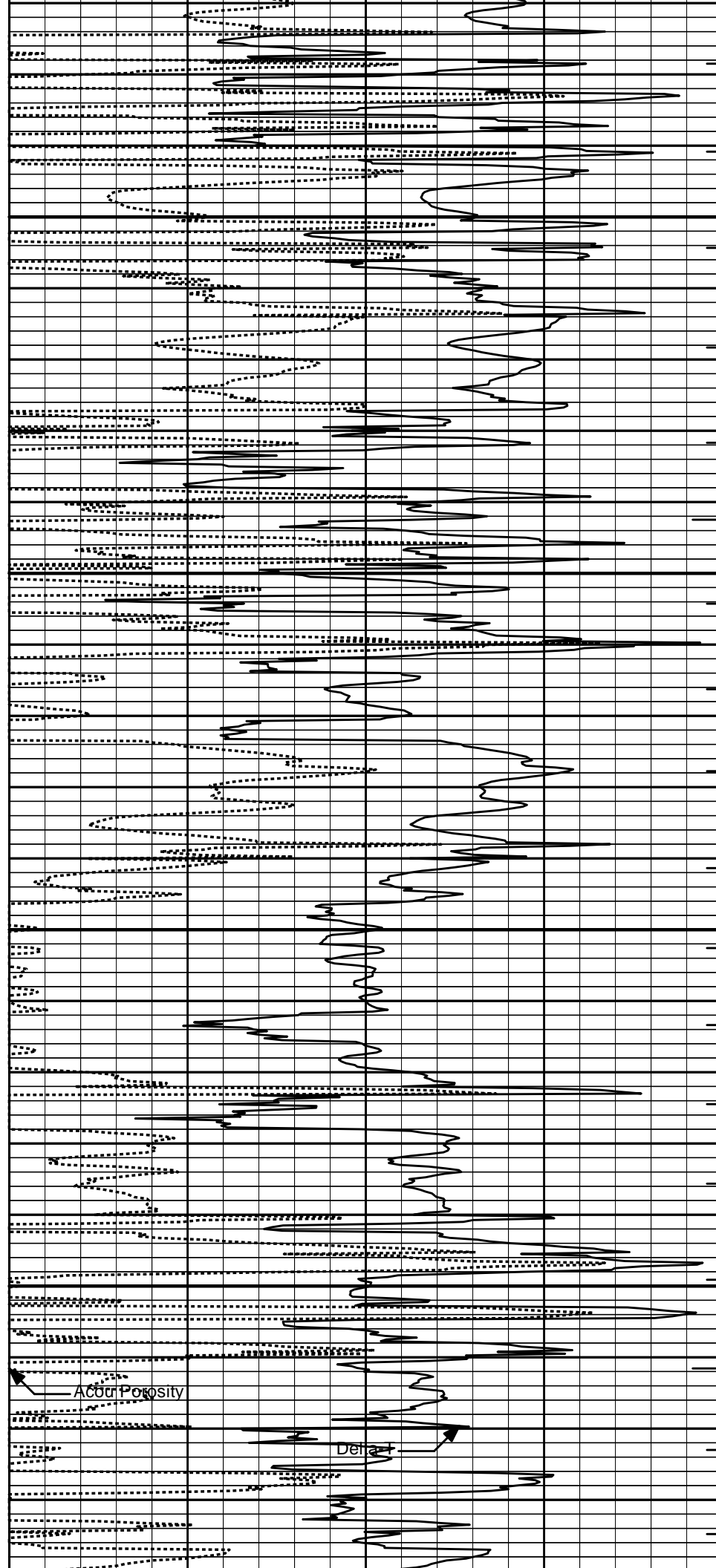
Acou Porosity

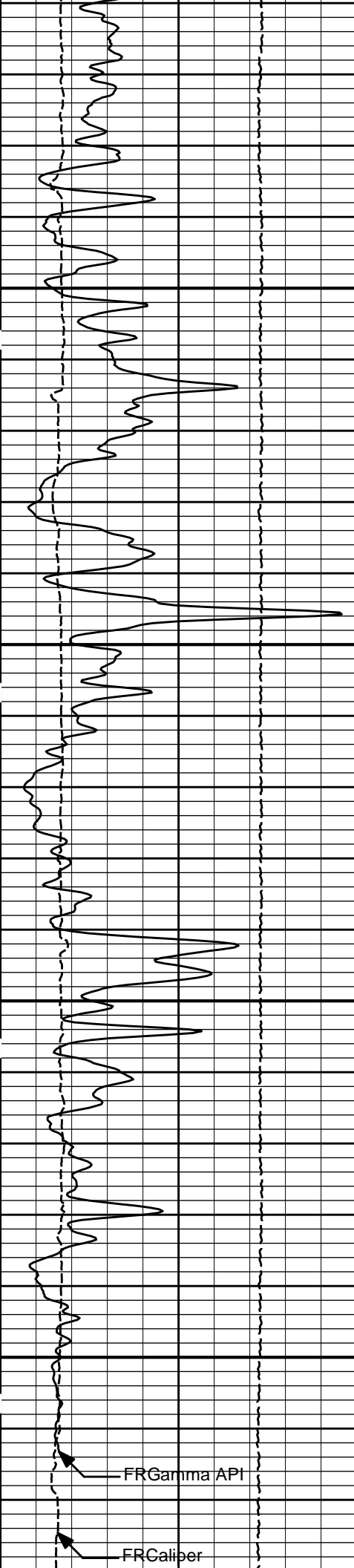
Delta-1



6100

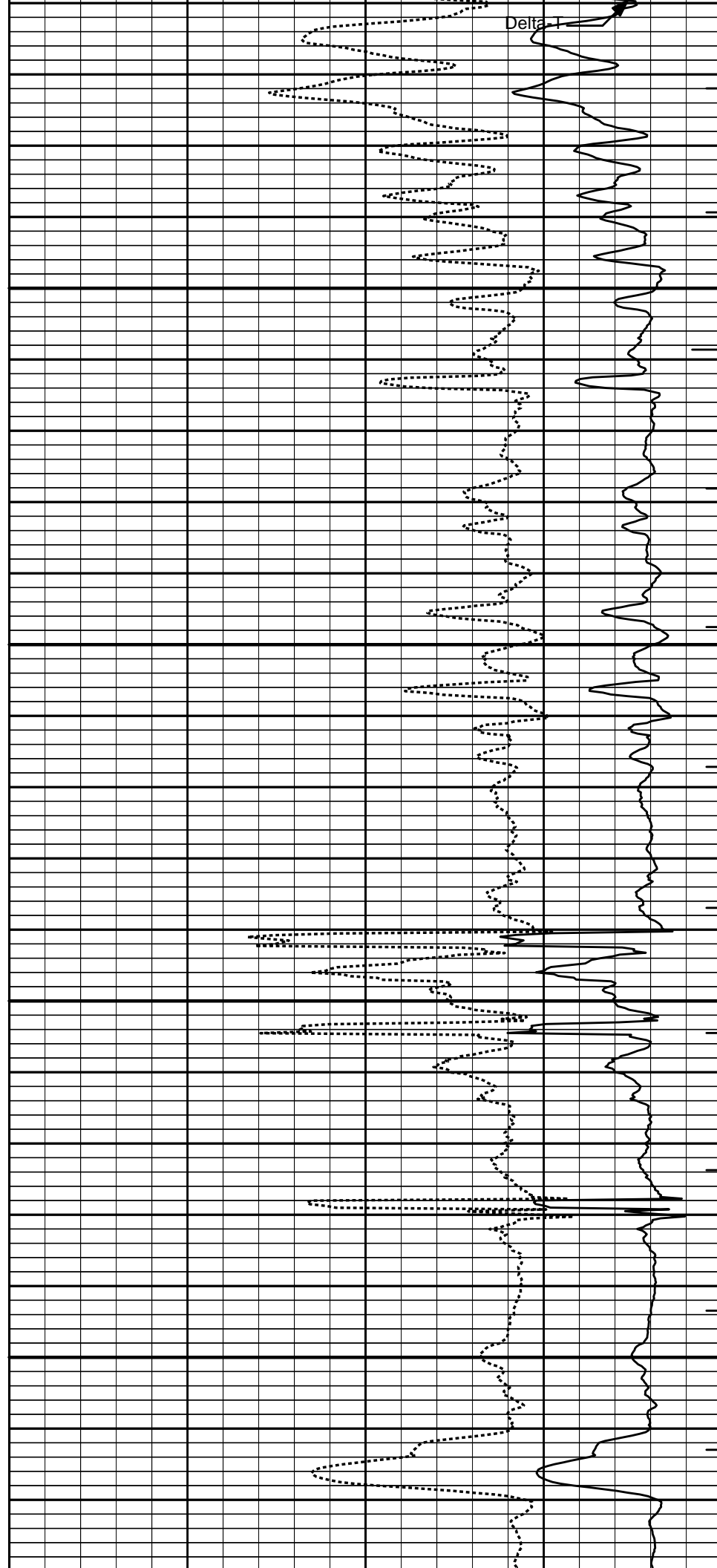
6200



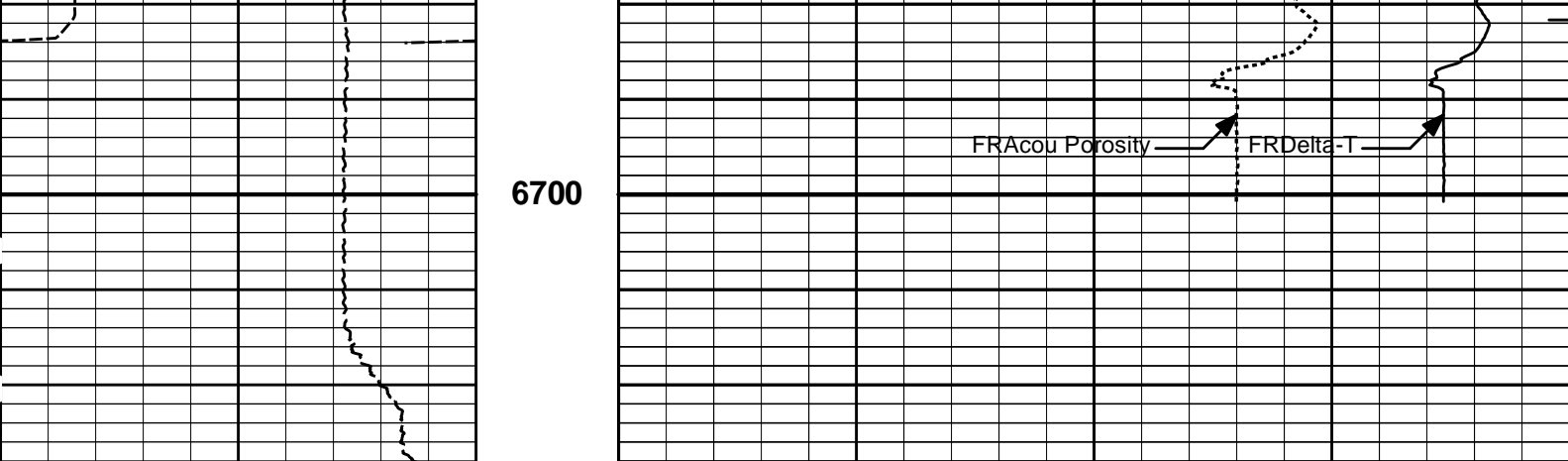


6500

6600



Delta I



6700

15K	Tens	0	MD		ITTT
	pounds		1 : 240		
			ft		
6	Caliper	16	Tension Pull	140	Delta-T
	inches		10 0		40
					microsec per ft
0	Gamma API	150	Tension Pull	30	Acou Porosity
	api				-10
					percent
	SHALE				

HALLIBURTON

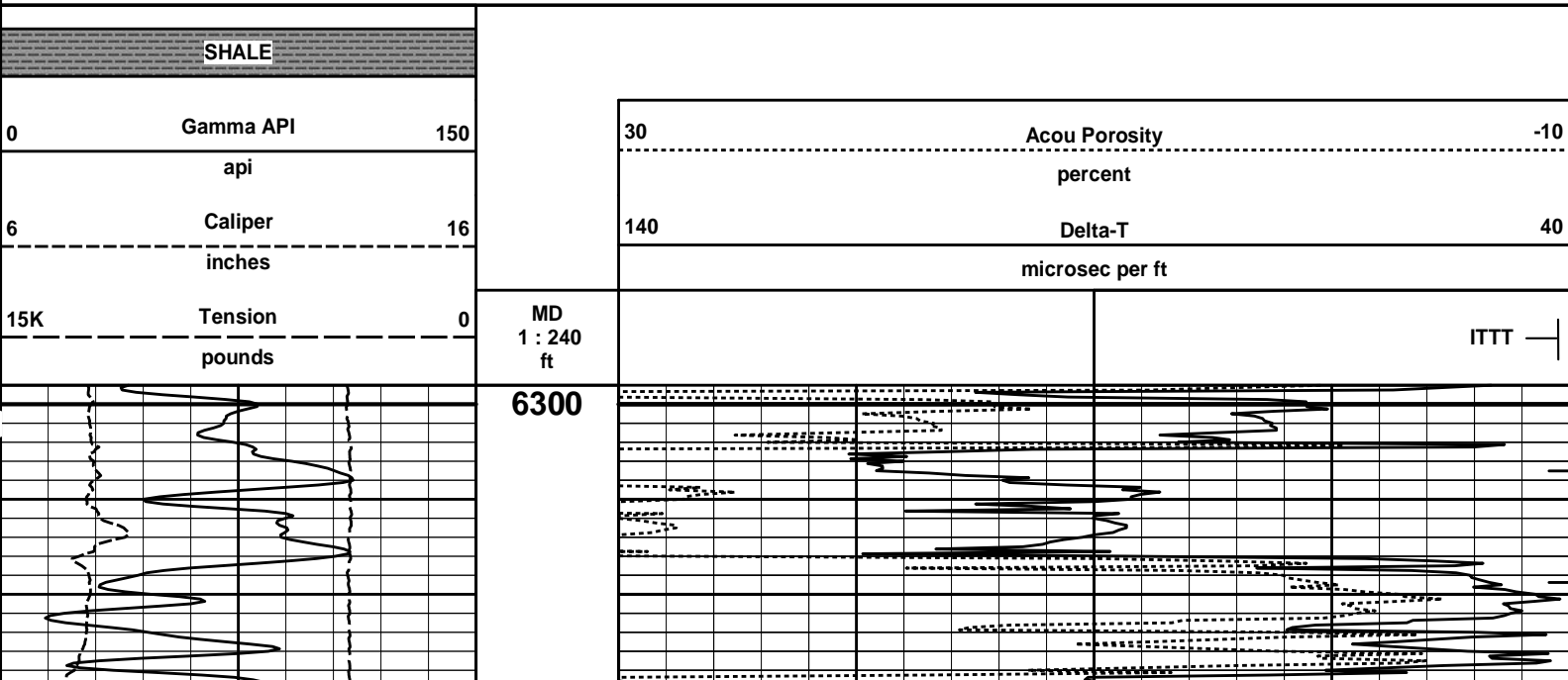
Plot Time: 30-Nov-14 16:32:00
Plot Range: 470 ft to 6728.25 ft
Data: CHRISTINA_1-2Well Based\MAIN\
Plot File: \BSAT\BSAT_5_MAIN_LIB

5 INCH MAIN LOG

HALLIBURTON

Plot Time: 30-Nov-14 16:32:00
Plot Range: 6298 ft to 6727 ft
Data: CHRISTINA_1-2Well Based\REPEAT\
Plot File: \BSAT\BSAT_5_REP_LIB

REPEAT SECTION

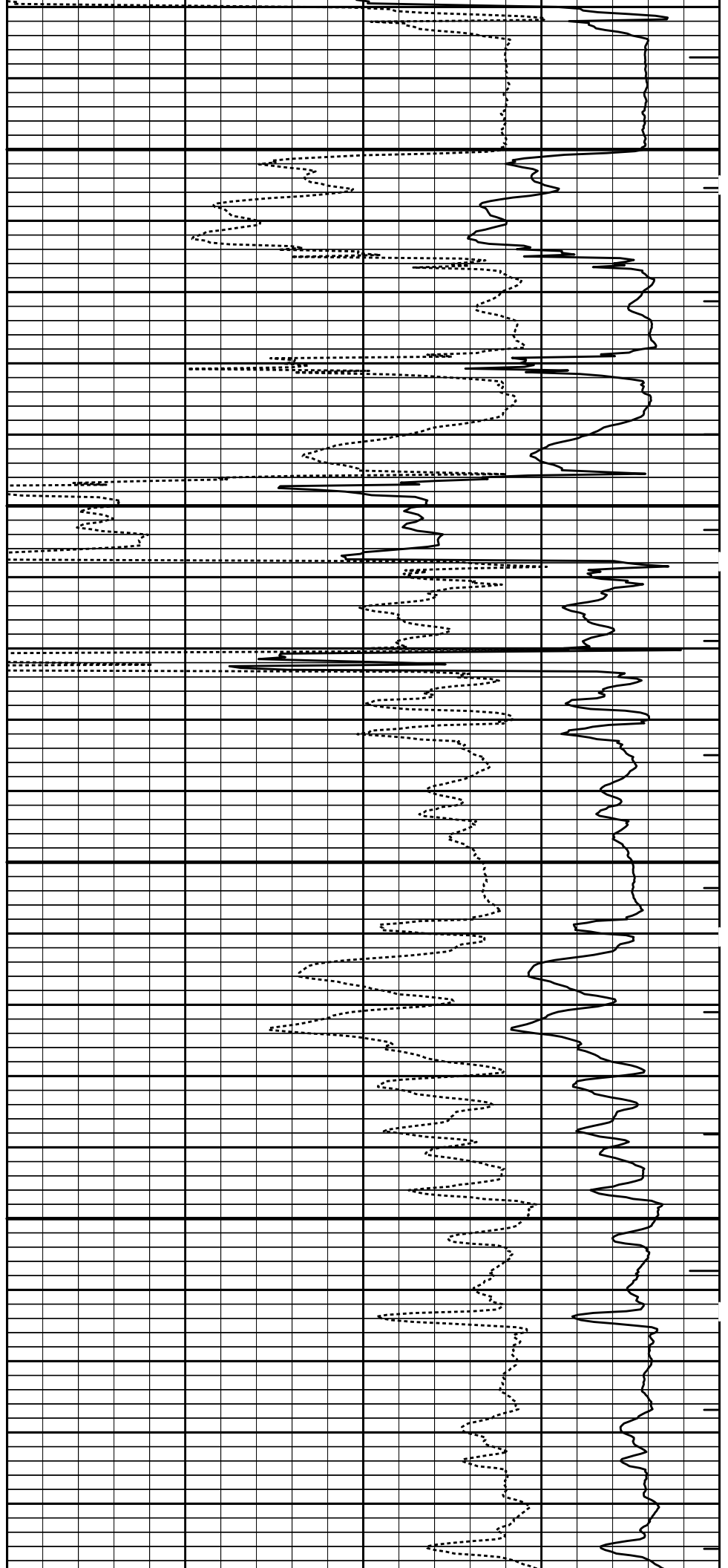


6300



6400

6500



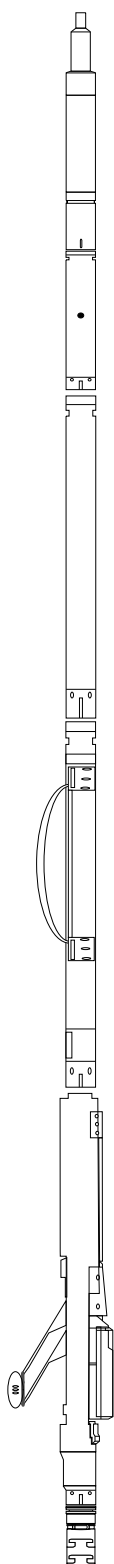


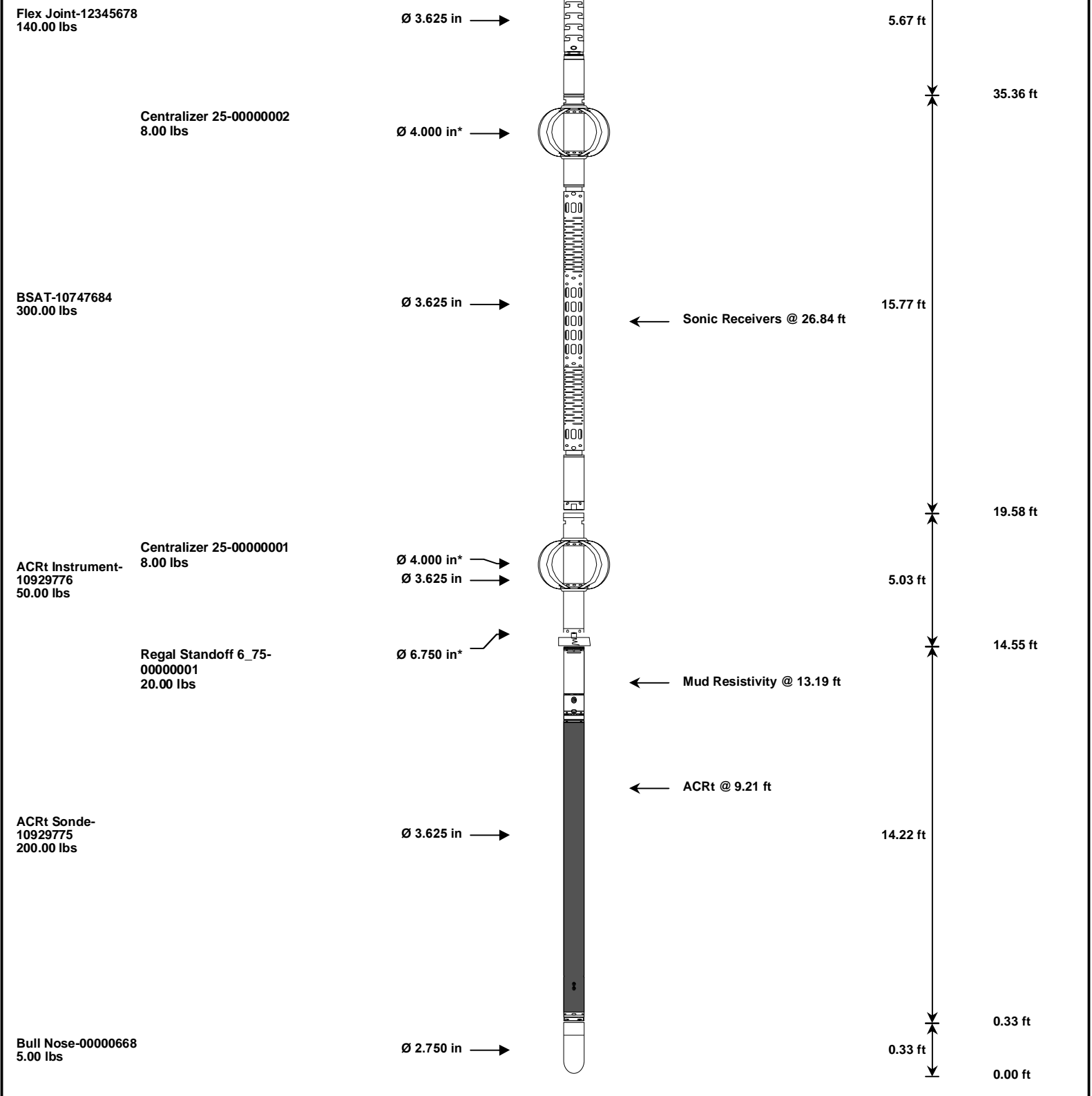
15K	Tension	0	MD 1 : 240 ft		ITTT
	pounds				
6	Caliper	16		140	Delta-T 40
	inches			microsec per ft	
0	Gamma API	150		30	Acou Porosity -10
	api			percent	
SHALE					

REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
RWCH-12156658 135.00 lbs		Ø 3.625 in →		Load Cell @ 76.35 ft BH Temperature @ 75.79 ft	6.25 ft	80.04 ft
SP Sub-12345678 60.00 lbs		Ø 3.625 in →		SP @ 72.01 ft	3.74 ft	73.79 ft
GTET-10748374 165.00 lbs		Ø 3.625 in →		GammaRay @ 63.99 ft	8.52 ft	70.05 ft
DSNT-10735145 174.00 lbs	DSN Decentralizer- 10735145 6.60 lbs	Ø 5.000 in* → Ø 3.625 in →		DSN Far @ 54.59 ft DSN Near @ 53.84 ft	9.69 ft	61.53 ft
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 @ 44.03 ft SDL Caliper @ 43.84 ft SDL @ 43.83 ft	10.81 ft	51.84 ft
						41.03 ft



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
RWCH	Releasable Wireline Cable Head	12156658	135.00	6.25	73.79	300.00
SP	SP Sub	12345678	60.00	3.74	70.05	300.00
GTET	Gamma Telemetry Tool	10748374	165.00	8.52	61.53	60.00
DSNT	Dual Spaced Neutron	10735145	174.00	9.69	51.84	60.00
DCNT	DSN Decentralizer	10735145	6.60	5.13	* 55.17	300.00
SDLT	Spectral Density Tool	10673803	360.00	10.81	41.03	60.00
SDLP	Density Insite Pad	10673790	65.00	2.55	* 43.24	60.00
MICP	Microlog Pad	10673803	8.00	1.00	* 43.53	60.00
FLEX	Flex Joint	12345678	140.00	5.67	35.36	300.00
BSAT	Borehole Sonic Array Tool	10747684	300.00	15.77	19.58	60.00
OBCEN	Centralizer - 25 in. Overbody	00000002	8.00	2.08	* 32.89	300.00
ACRt	Array Compensated True Resistivity Instrument Section	10929776	50.00	5.03	14.55	120.00
OBCEN	Centralizer - 25 in. Overbody	00000001	8.00	2.08	* 16.57	300.00
ACRt	Array Compensated True Resistivity Sonde Section	10929775	200.00	14.22	0.33	120.00
BN	Bull Nose	00000668	5.00	0.33	0.00	0.00

RSOF	Regal Standoff 6.75in	00000001	20.00	0.52 *	14.53	300.00
BLNS	Bull Nose	00000668	5.00	0.33	0.00	300.00
Total			1,704.60	80.04		
* Not included in Total Length and Length Accumulation.						
Data: CHRISTINA_1-2\0001 SP-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-BN\IDLE					Date: 30-Nov-14 11:53:32	

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	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	6725.00	ft	
	SHARED	BHT	Bottom Hole Temperature	140.0	degF	
	SHARED	SVTM	Navigation and Survey Master Tool	NONE		
	SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET		
	SHARED	TEMM	Temperature Master Tool	NONE		
	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		
	Rwa / CrossPlot	BHSM	Borehole Size Source Tool	SDLT		
	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		
	GTET	BHSM	Borehole Size Source Tool	SDLT		
	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	
DSNT	BHSM	Borehole Size Source Tool	SDLT	
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	BHSM	Borehole Size Source Tool	SDLT	
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	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
ACRt Sonde	BHSM	Borehole Size Source Tool	SDLT	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	
ACRt Sonde	HRFL	High-Resistivity Version (Tar Sand Only)?	No	
BOTTOM				

Data: CHRISTINA_1-2\0001 SP-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-BNIDLE

Date: 30-Nov-14 12:10:00

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:	GTET - 10748374	Reference Calibration Date:	01-Oct-14 15:40:42
Engineer:	SHELDON INGERSOLL	Calibration Date:	18-Nov-14 16:59:40
Software Version:	WL INSITE R4.4.3 (Build 6)	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	38.0	36.9	api

Background + Calibrator	276.9	268.9	api
Calibrator	238.9	232.0	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION			
Tool Name:	GTET - 10748374	Reference Calibration Date:	18-Nov-14 16:59:40
Engineer:	JORGE ORLANDO PEREZ	Calibration Date:	26-Nov-14 11:38:50
Software Version:	WL INSITE R4.4.3 (Build 6)	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	36.9	75.0	api
Background + Calibrator	268.9	299.8	api
Calibrator	232.0	224.8	api
Shop	Field	Difference	Tolerance
232.0	224.8	7.2	+/- 9.00

DENSITY CALIPER SHOP CALIBRATION			
Tool Name:	SDLT - 10673803	Reference Calibration Date:	02-Oct-14 11:07:53
Engineer:	JORGE ORLANDO PEREZ	Calibration Date:	17-Nov-14 10:23:04
Software Version:	WL INSITE R4.4.3 (Build 6)	Calibration Version:	1
Host Tool Name:	DSNT - 10735145		

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-3759.98	-3053.35	-7000.00 - -1000.00
Pad Gain	0.0004072	0.0003748	0.000200 - 0.000600
Arm Offset	-4259.56	-4973.87	-5000.00 - 3000.00
Arm Gain	0.0005085	0.0005142	0.000300 - 0.000700
Arm Power	-0.000004394	-0.000004974	-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)	1.89	2.00	0.11	+/- 0.20
Medium Ring (in)	3.79	3.75	-0.04	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.55	6.50	-0.05	+/- 0.20
Medium Ring (in)	8.27	8.25	-0.02	+/- 0.20
Large Ring (in)	15.04	15.00	-0.04	+/- 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:	17-Nov-14 10:23:04
Engineer:	JORGE ORLANDO PEREZ	Calibration Date:	26-Nov-14 11:26:50

Engineer: JORGE ORLANDO PEREZ		Calibration Date: 20-Nov-14 11:20:30	
Software Version: WL INSITE R4.4.3 (Build 6)		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	8.31	0.06 +/- 0.15
PASS/FAIL SUMMARY			
Pad Extension Check:		Passed	
Diameter Check:		Passed	
CALIBRATION SUMMARY			
Sensor	Shop	Field	Post Difference Tolerance Units
GTET-10748374			
Gamma Ray Calibrator	232.0	224.8	----- 7.2 +/- 9.00 api
SDLT-10673803			
Pad Extension	3.75	3.78	----- -0.03 +/-0.10 in
Ring Diameter	8.25	8.31	----- -0.06 +/-0.15 in
Data: CHRISTINA_1-2\0001 SP-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-BNIDLE		Date: 30-Nov-14 11:55:34	

HALLIBURTON						
INPUTS, DELAYS AND FILTERS TABLE						
Mnemonic		Input Description	Delay (ft)	Filter Type	Filter Length (ft)	
Depth Panel						
TENS	Tension		0.00	NO		
Rwa / CrossPlot						
TPUL	Tension Pull		80.04	NO		
BS	Bit Size		80.04	NO		
HDIA	Measured Hole Diameter		0.00	NO		
RWCH						
DHTN	DownholeTension		0.00	BLK	0.000	
SP Sub						
PLTC	Plot Control Mask		72.01	NO		
SP	Spontaneous Potential		72.01	BLK	1.250	
SPR	Raw Spontaneous Potential		72.01	NO		
SPO	Spontaneous Potential Offset		72.01	NO		
GTET						
TPUL	Tension Pull		63.99	NO		
GR	Natural Gamma Ray API		63.99	TRI	1.750	
GRU	Unfiltered Natural Gamma Ray API		63.99	NO		
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution		63.99	W	1.416 , 0.750	
HDIA	Measured Hole Diameter		0.00	NO		
ACCZ	Accelerometer Z		0.00	BLK	0.083	
DEVI	Inclination		0.00	NO		

TPUL	Tension Pull	53.84	NO	
RNDS	Near Detector Telemetry Counts	53.84	BLK	1.417
RFDS	Far Detector Telemetry Counts	54.59	TRI	0.583
DNTT	DSN Tool Temperature	53.84	NO	
DSNS	DSN Tool Status	53.74	NO	
ERND	Near Detector Telemetry Counts EVR	53.84	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	54.59	BLK	0.000
ENTM	DSN Tool Temperature EVR	53.84	NO	
HDIA	Measured Hole Diameter	0.00	NO	
SDLT				
TPUL	Tension Pull	43.84	NO	
PCAL	Pad Caliper	43.84	TRI	0.250
ACAL	Arm Caliper	43.84	TRI	0.250
BSAT				
TPUL	Tension Pull	26.84	NO	
STAT	Status	26.84	NO	
DLYT	Delay Time	26.84	NO	
SI	Sample Interval	26.84	NO	
TXRX	Raw Telemetry 10 Receivers	26.84	NO	
FRMC	Tool Frame Count	26.84	NO	
GMOD	Gain processing mode	19.58	NO	
ACRt Sonde				
TPUL	Tension Pull	2.73	NO	
F1R1	ACRT 12KHz - 80in R value	8.98	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	8.98	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.48	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.48	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	4.98	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	4.98	BLK	0.000
F1R4	ACRT 12KHz - 17in R value	3.98	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	3.98	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.48	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.48	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.23	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.23	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	8.98	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	8.98	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.48	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.48	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	4.98	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	4.98	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	3.98	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	3.98	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.48	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.48	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.23	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.23	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	8.98	BLK	0.000
F3X1	ACRT 72KHz - 80in X value	8.98	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.48	BLK	0.000
F3X2	ACRT 72KHz - 50in X value	6.48	BLK	0.000
F3R3	ACRT 72KHz - 29in R value	4.98	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	4.98	BLK	0.000

F3R4	ACRT 72KHz - 17in R value	3.98	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	3.98	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.48	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.48	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.23	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.23	BLK	0.000
RMUD	Mud Resistivity	12.52	BLK	0.000
F1RT	Transmitter Reference 12 KHz Real Signal	2.73	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.73	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.73	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.73	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.73	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.73	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.73	BLK	0.000
TFPL	Lower Feedpipe Temperature Calculated	2.73	BLK	0.000
ITMP	Instrument Temperature	2.73	BLK	0.000
TCVA	Temperature Correction Values Loop Off	2.73	NO	
TIDV	Instrument Temperature Derivative	2.73	NO	
TUDV	Upper Temperature Derivative	2.73	NO	
TLDV	Lower Temperature Derivative	2.73	NO	
TRBD	Receiver Board Temperature	2.73	NO	
HDIA	Measured Hole Diameter	0.00	NO	
SDLT Pad				
TPUL	Tension Pull	43.83	NO	
NAB	Near Above	43.66	BLK	0.920
NHI	Near Cesium High	43.66	BLK	0.920
NLO	Near Cesium Low	43.66	BLK	0.920
NVA	Near Valley	43.66	BLK	0.920
NBA	Near Barite	43.66	BLK	0.920
NDE	Near Density	43.66	BLK	0.920
NPK	Near Peak	43.66	BLK	0.920
NLI	Near Lithology	43.66	BLK	0.920
NBAU	Near Barite Unfiltered	43.66	BLK	0.250
NLIU	Near Lithology Unfiltered	43.66	BLK	0.250
FAB	Far Above	44.01	BLK	0.250
FHI	Far Cesium High	44.01	BLK	0.250
FLO	Far Cesium Low	44.01	BLK	0.250
FVA	Far Valley	44.01	BLK	0.250
FBA	Far Barite	44.01	BLK	0.250
FDE	Far Density	44.01	BLK	0.250
FPK	Far Peak	44.01	BLK	0.250
FLI	Far Lithology	44.01	BLK	0.250
PTMP	Pad Temperature	43.84	BLK	0.920
NHV	Near Detector High Voltage	43.24	NO	
FHV	Far Detector High Voltage	43.24	NO	
ITMP	Instrument Temperature	43.24	NO	
DDHV	Detector High Voltage	43.24	NO	
HDIA	Measured Hole Diameter	0.00	NO	
Microlog Pad				
TPUL	Tension Pull	44.03	NO	
MINV	Microlog Lateral	44.03	BLK	0.750
MNOR	Microlog Normal	44.03	BLK	0.750
Data: CHRISTINA_1-2\0001 SP-GTET-DSNT-SDLT-FLEX-BSAT-ACRT-BN\IDLE				Date: 30-Nov-14 11:54:28

COMPANY	VAL ENERGY		
WELL	CHRISTINA 1-2		
FIELD	WILDCAT		
COUNTY	CROWLEY	STATE	COLORADO
HALLIBURTON		BOREHOLE COMPENSATED SONIC ARRAY LOG	