

HALLIBURTON

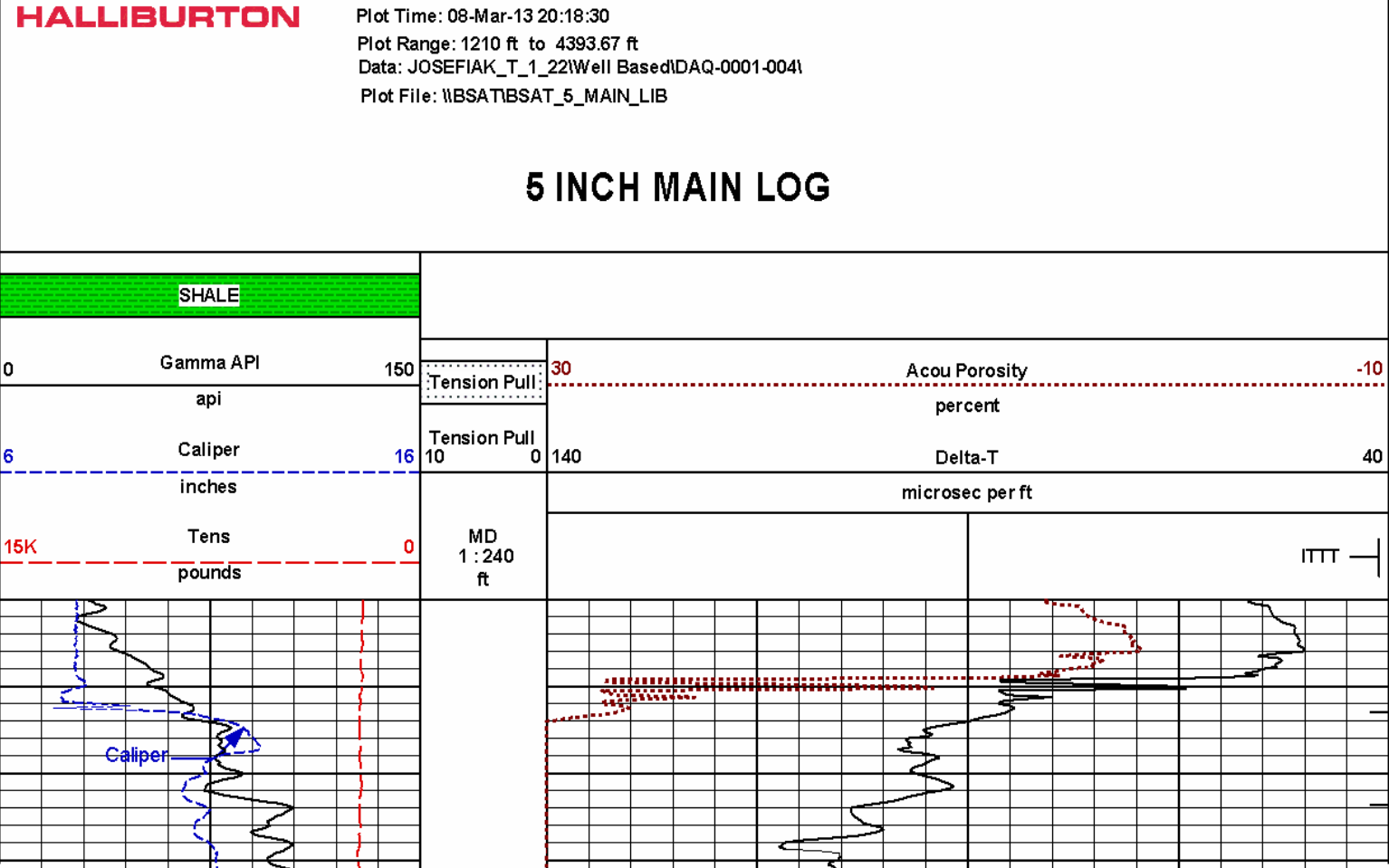
BORE HOLE COMPENSATED SONIC ARRAY LOG

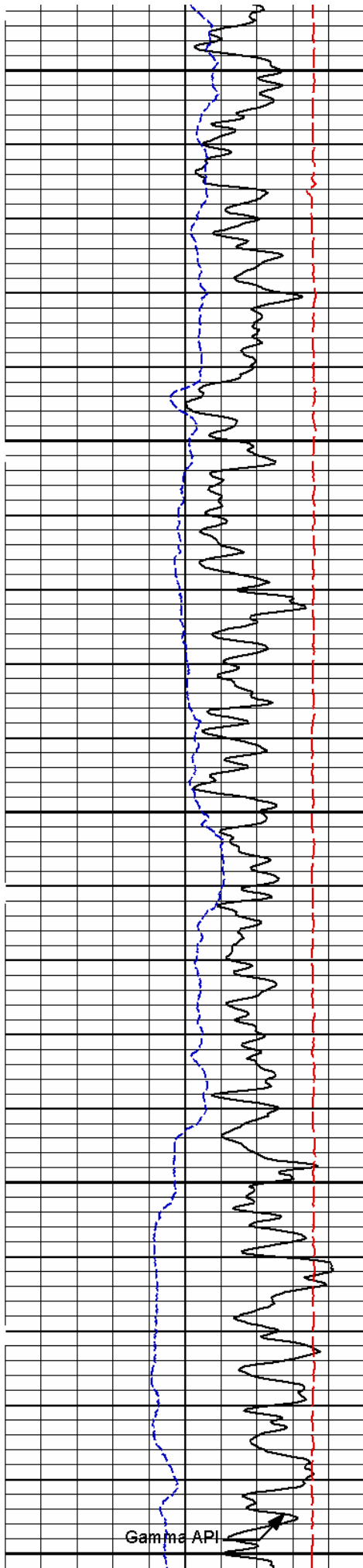
COMPANY		RAYDON EXPLORATION, INC.	
WELL		JOSEFIAK TRUST 1-22	
FIELD/BLOCK		WILDCAT	
COUNTY		PAWNEE	
STATE		KANSAS	
Permanent Datum		GL	Elev. 2069.0 ft
Log measured from		KB	Elev. 2076.0 ft
Drilling measured from		KB	Elev. 2069.0 ft
Date		08-Mar-13	
Run No.		ONE	
Depth - Driller		4387.00 ft	
Depth - Logger		4390.0 ft	
Bottom - Logged Interval		4363.0 ft	
Top - Logged Interval		1218.0 ft	
Casing - Driller		8.626 in @ 1216.0 ft	
Casing - Logger		1218.0 ft	
Bit Size		7.875 in	
Type Fluid in Hole		WATER BASED MUD	
Density	Viscosity	9.2 ppq	56.00 s/qt
PH	Fluid Loss	11.50 pH	1.1 optm
Source of Sample		FLOWLINE	
Rm @ Meas. Temperature		0.570 ohmm @ 70.00 degF	@
Rmf @ Meas. Temperature		0.48 ohmm @ 70.00 degF	@
Rmc @ Meas. Temperature		0.650 ohmm @ 70.00 degF	@
Source Rmf	Rmc	MEASURED	MEASURED
Rm @ BHT		0.38 ohmm @ 108.0 degF	@
Time Since Circulation		6.0 hr	
Time on Bottom		08-Mar-13 16:28	
Max. Rec. Temperature		108.0 degF @ 4390.0 ft	@
Equipment	Location	10546696	LIBERAL
Recorded By		THOMAS HYDE	
Witnessed By		E. GRIEVES	

Fold here

Service Ticket No.: 900263666		API Serial No.: 15-145-21709-00-00		PGM Version: WL INSITE R3.8.0 (Build 2)	
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE				RESISTIVITY SCALE CHANGES	
Date	Sample No.			Type Log	Depth
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
Rmf @ Meas. Temp.	@	@			
Rmc @ Meas. Temp.	@	@			
Source Rmf	Rmc				
Rm @ BHT	@	@			
Rmf @ BHT	@	@			
Rmc @ BHT	@	@			
EQUIPMENT DATA					
GAMMA		ACOUSTIC		DENSITY	
Run No.	ONE	Run No.	ONE	Run No.	
Serial No.	11048627	Serial No.	10747683	Serial No.	
Model No.	GTET	Model No.	BSAT	Model No.	
Diameter	3.625"	No. of Cent.	2	Diameter	
Detector Model No.	T-102	Spacing	.5	Log Type	
Type	SCINT			Source Type	

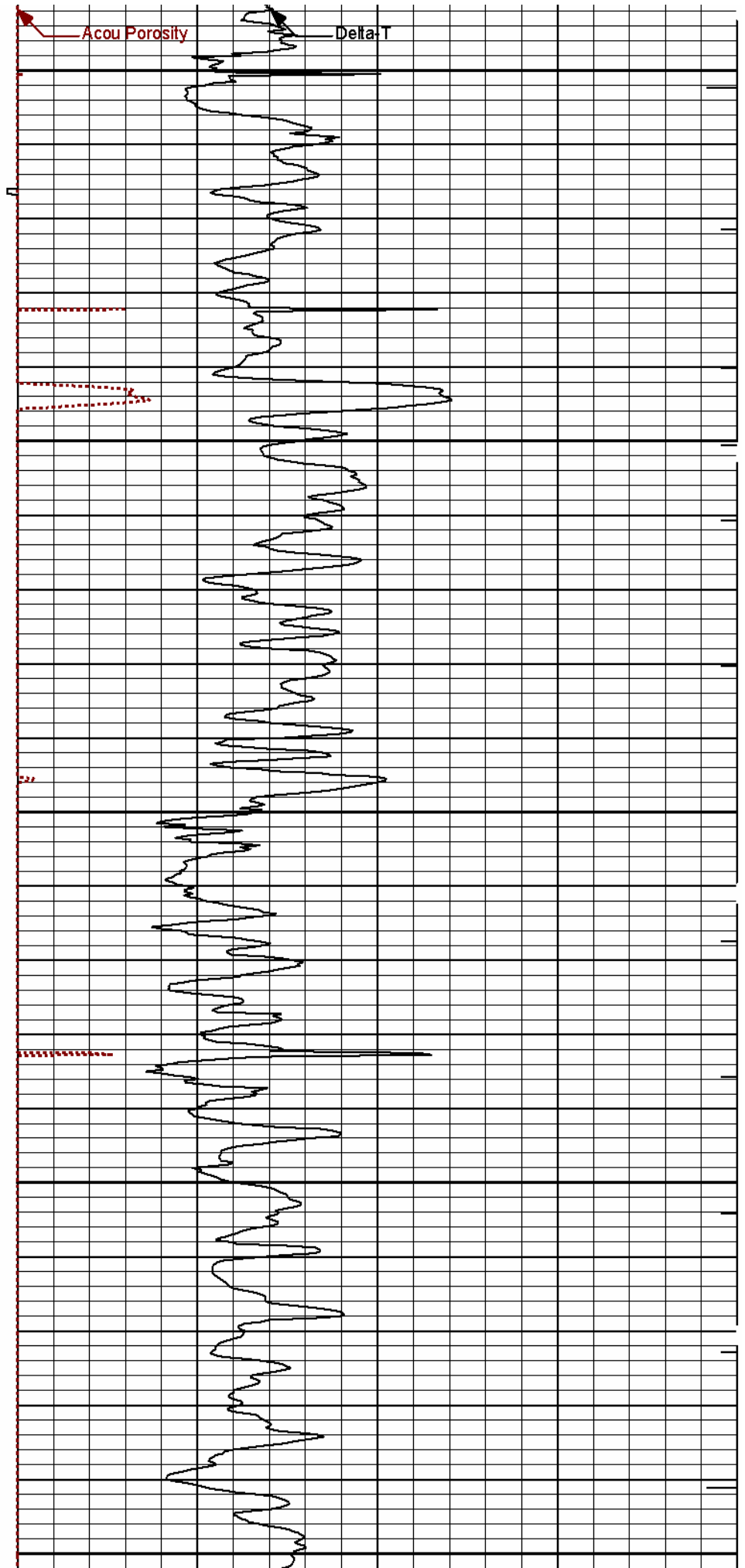
Length	8"	LSA [Y/N]	Y	Serial No.		Serial No.					
Distance to Source	10'	FWDA [Y/N]	Y	Strength		Strength					
LOGGING DATA											
GENERAL			GAMMA		ACOUSTIC		DENSITY	NEUTRON			
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R	
ONE	4390	1218	REC	0	150	30	-10	47.6			
DIRECTIONAL INFORMATION											
Maximum Deviation						@		KOP		@	
Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 4.5 INCH CASING											
CHLORIDES REPORTED AT 6500 MG/L											
LCM REPORTED AT 2 PPB											
TODAY'S CREW F. VILLA B. TERRELL											
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES LIBERAL, KANSAS 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.											
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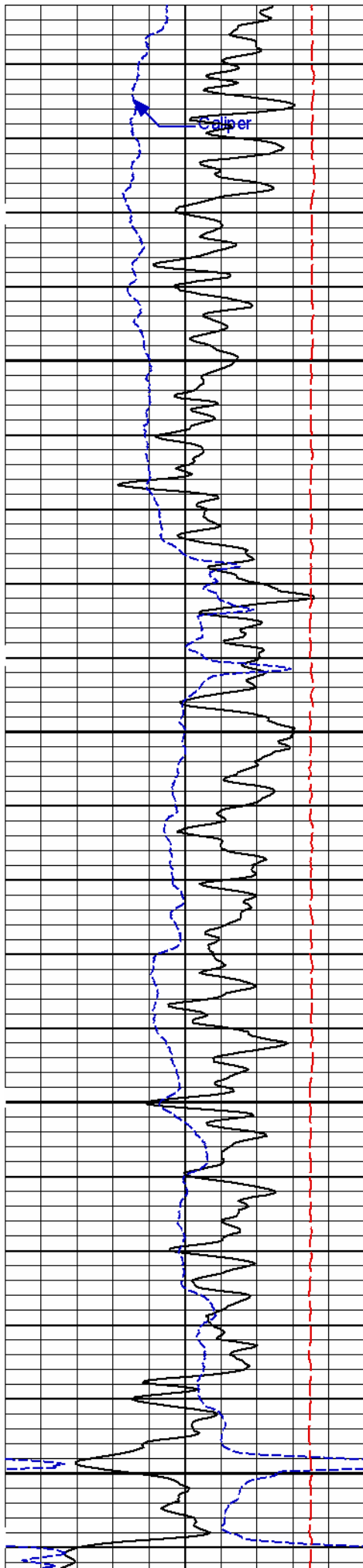




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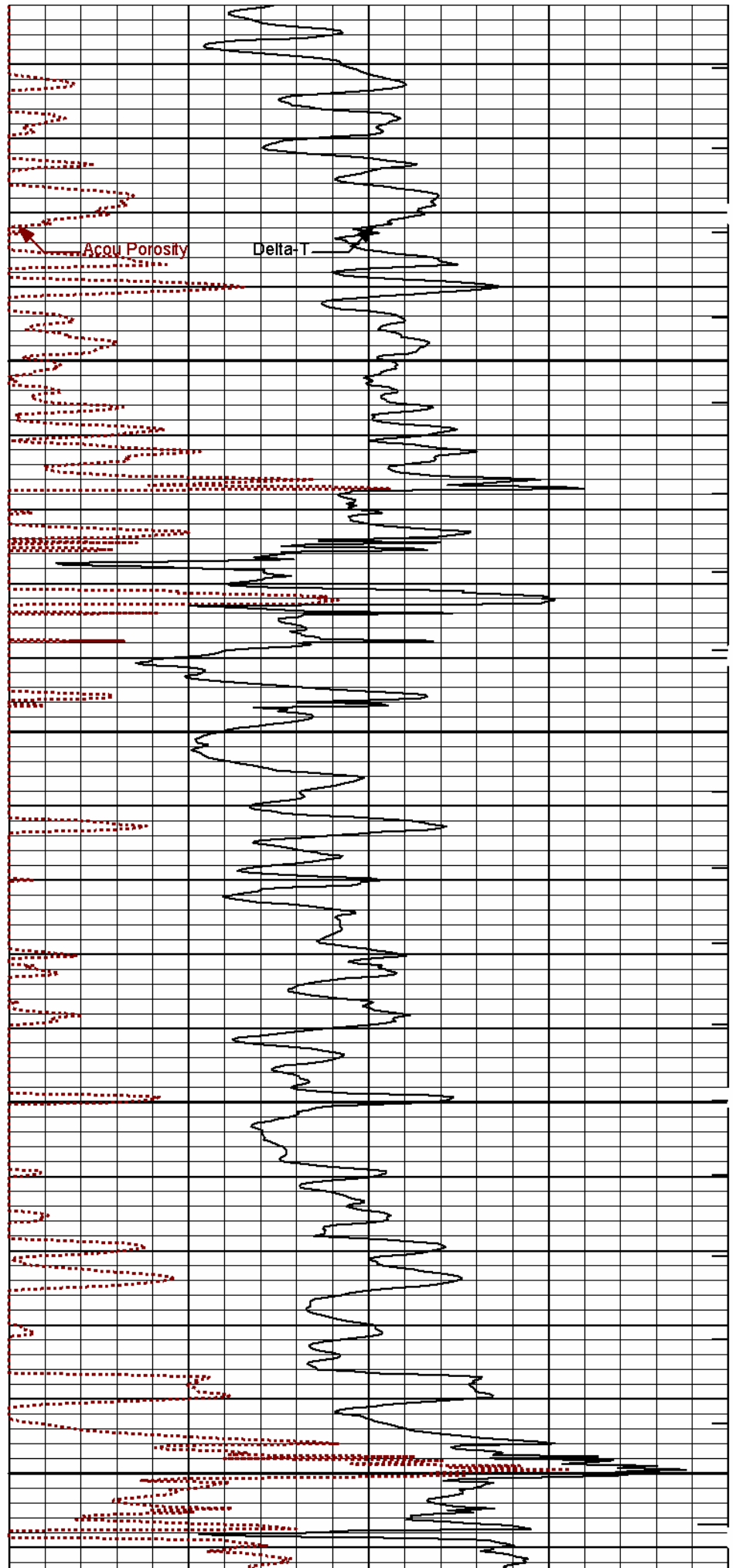
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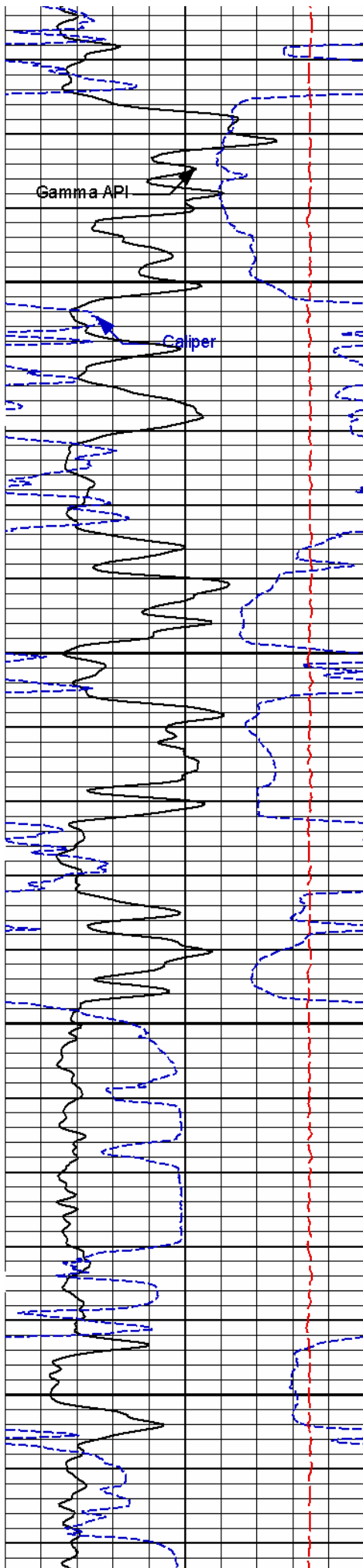




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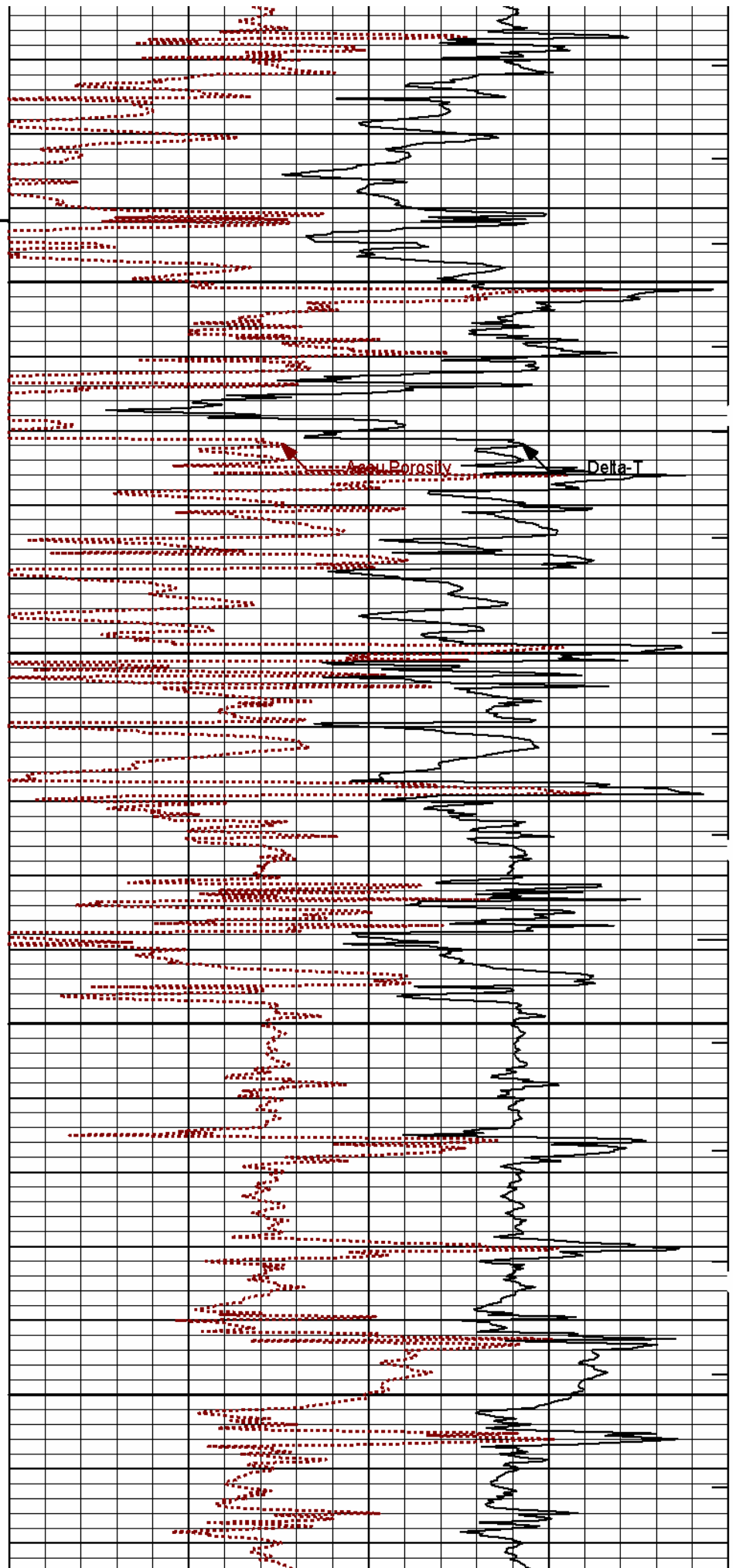
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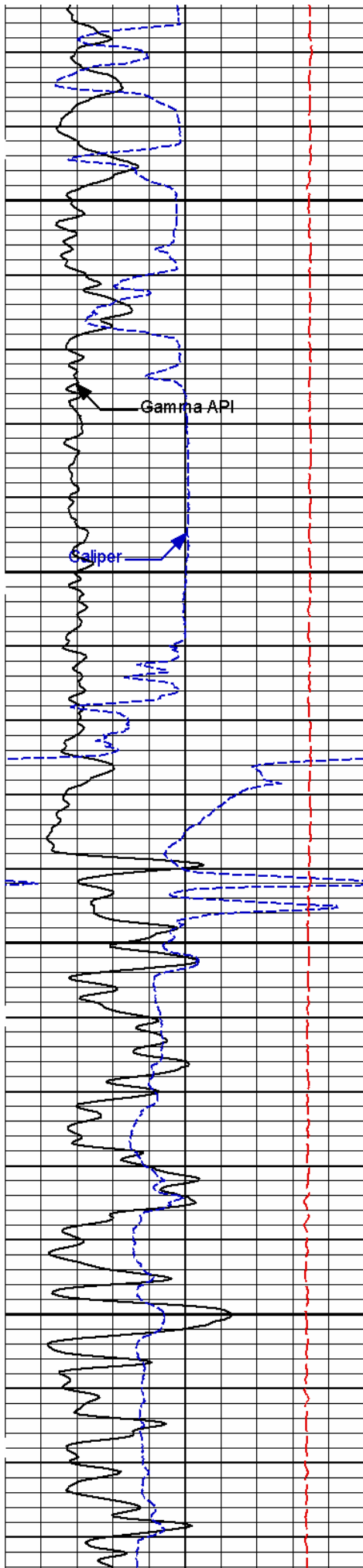




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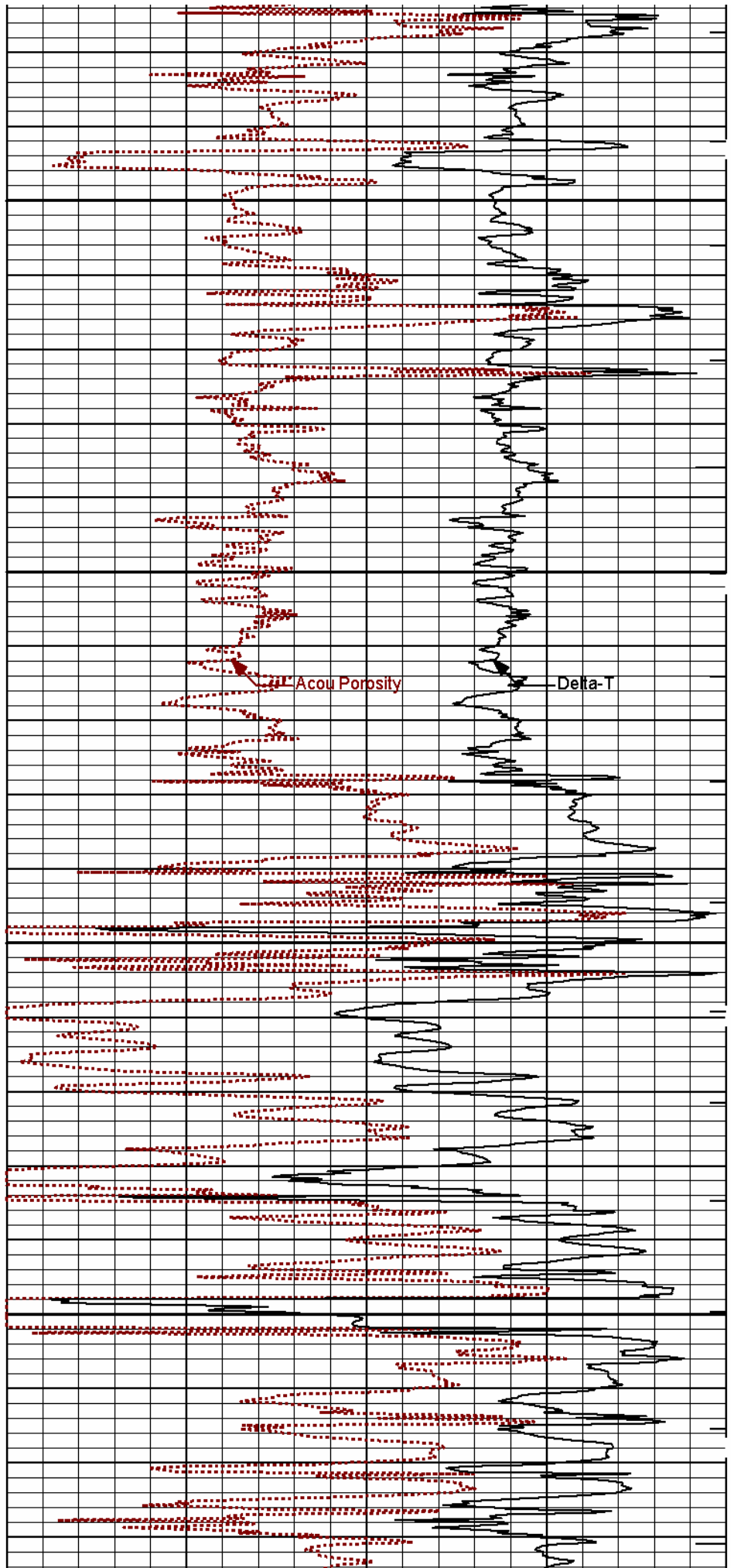
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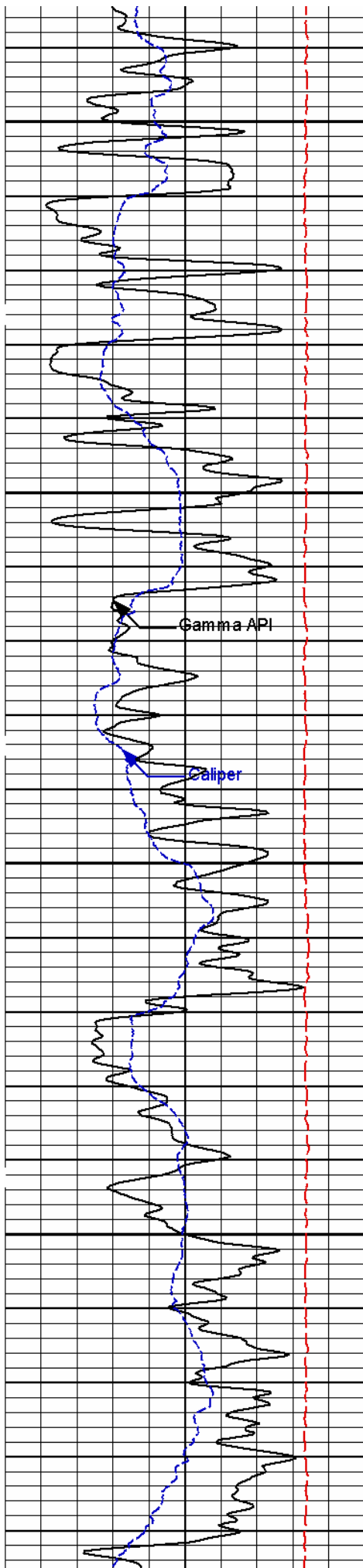




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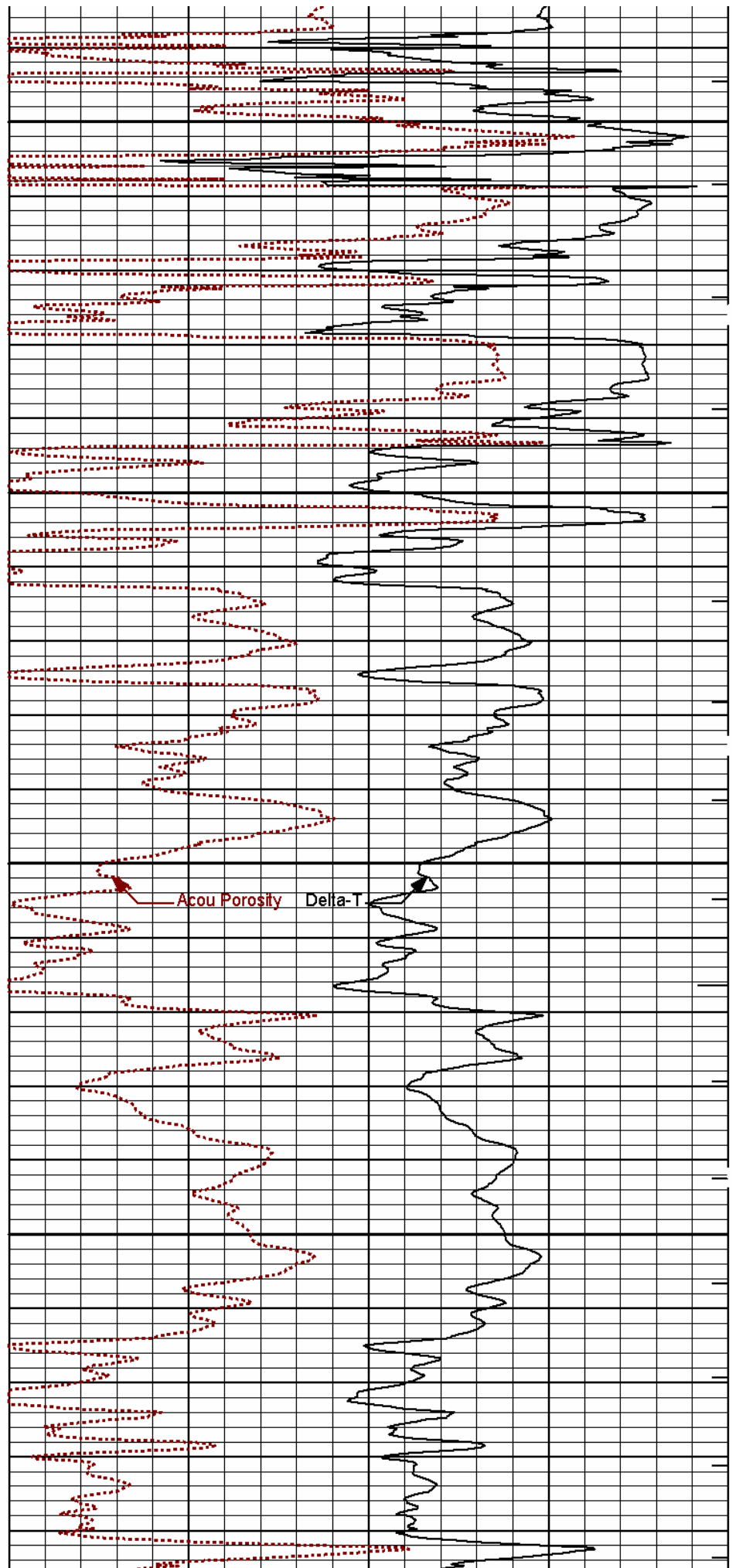
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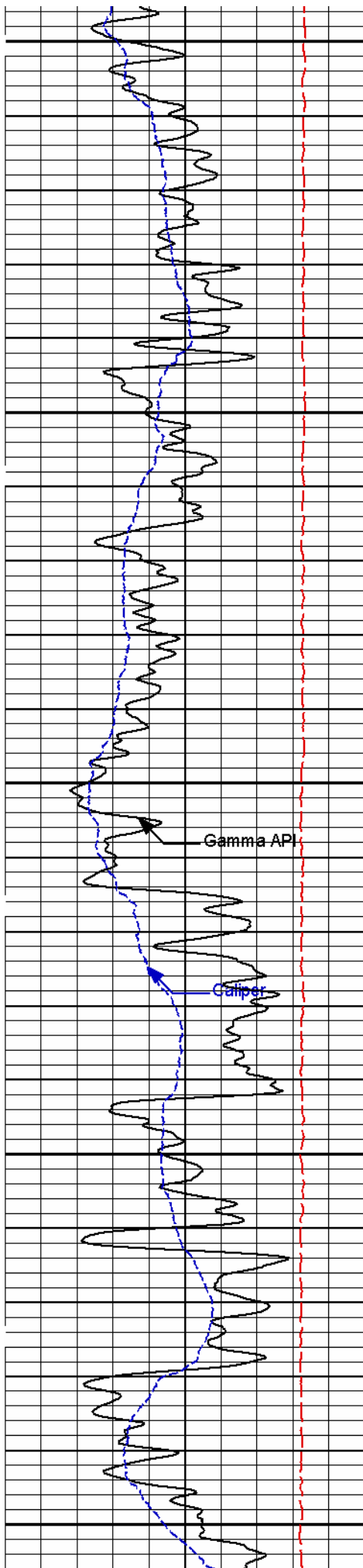




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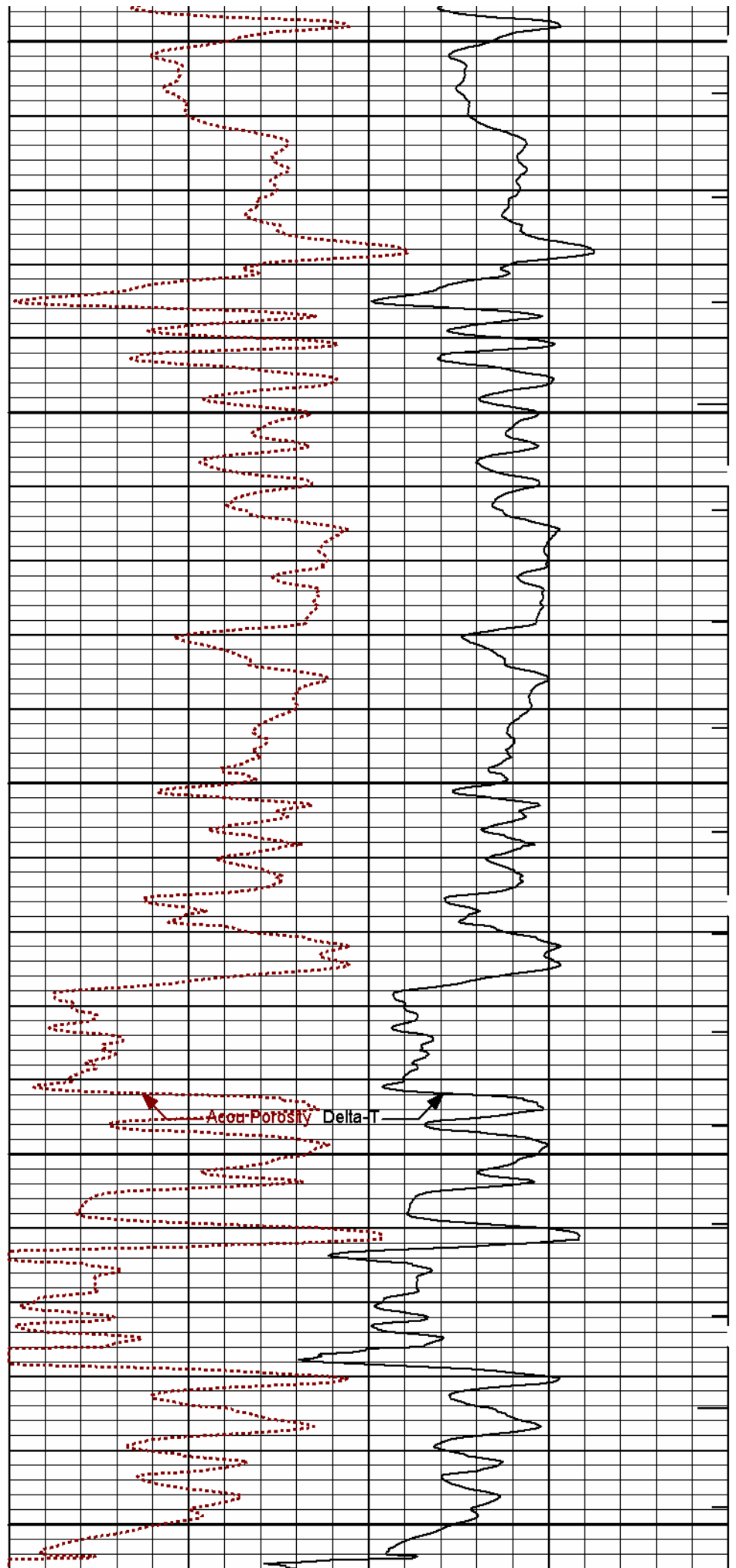


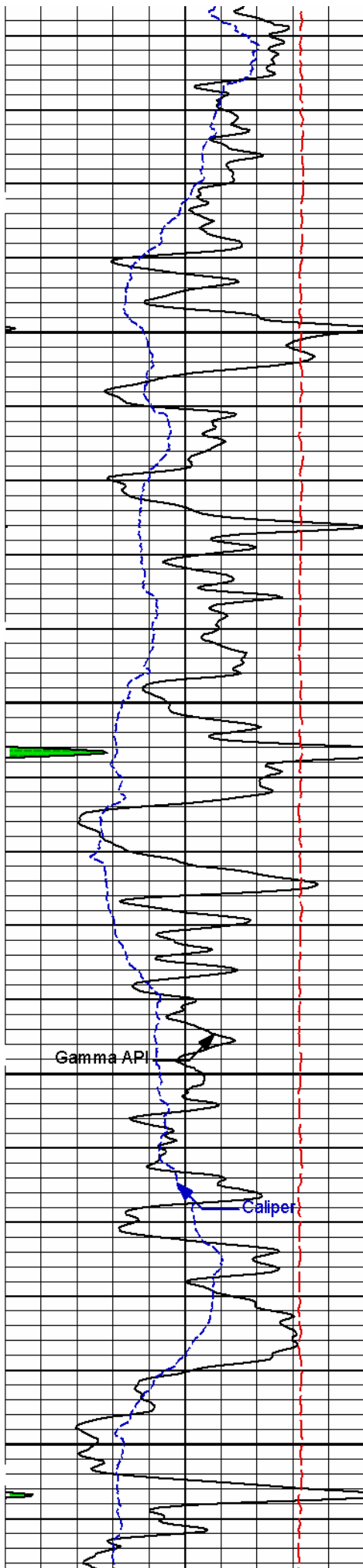


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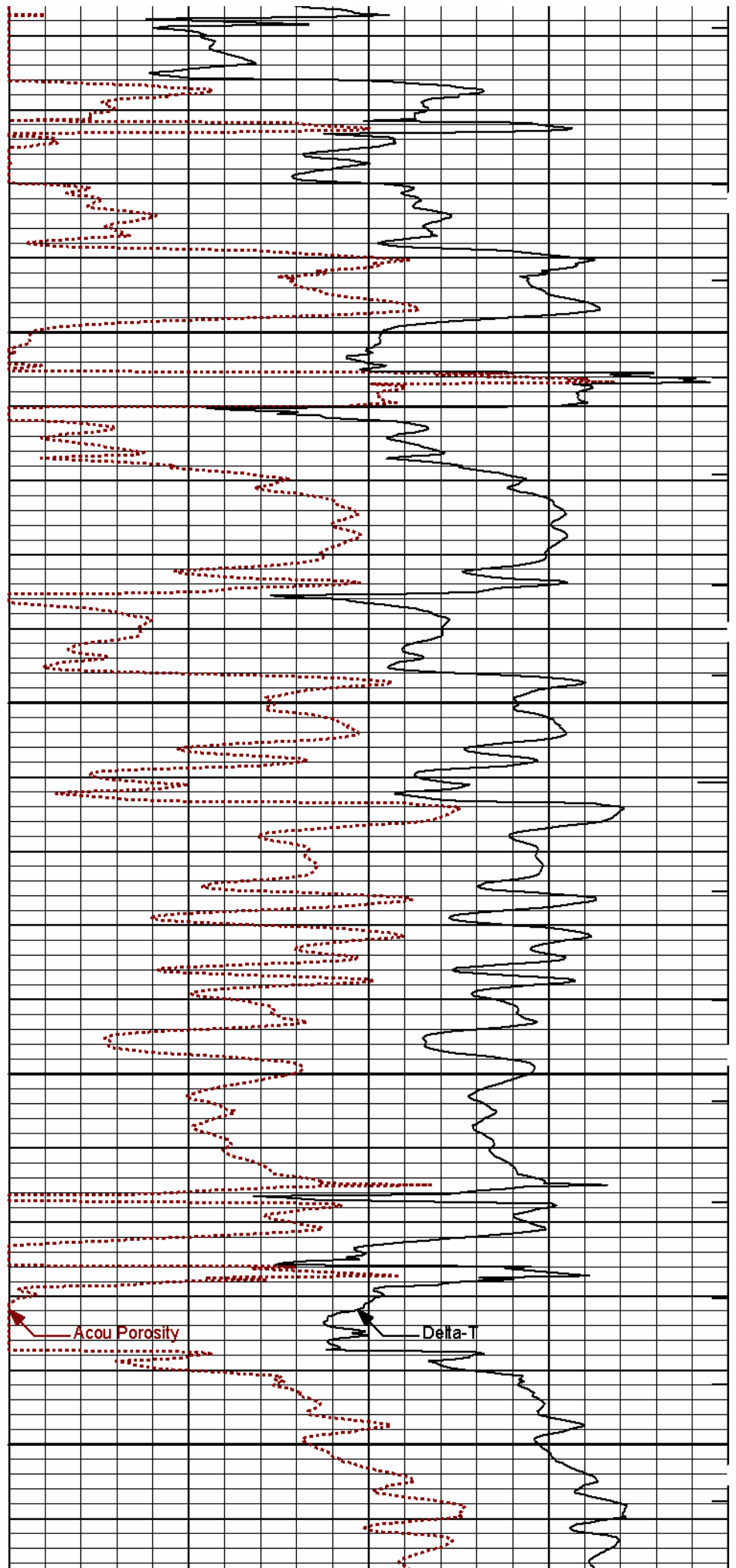
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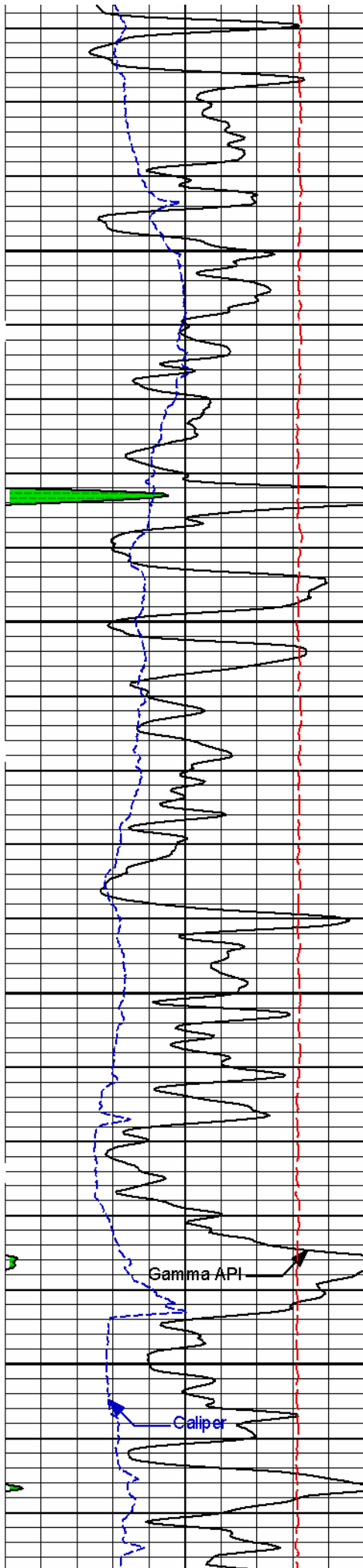




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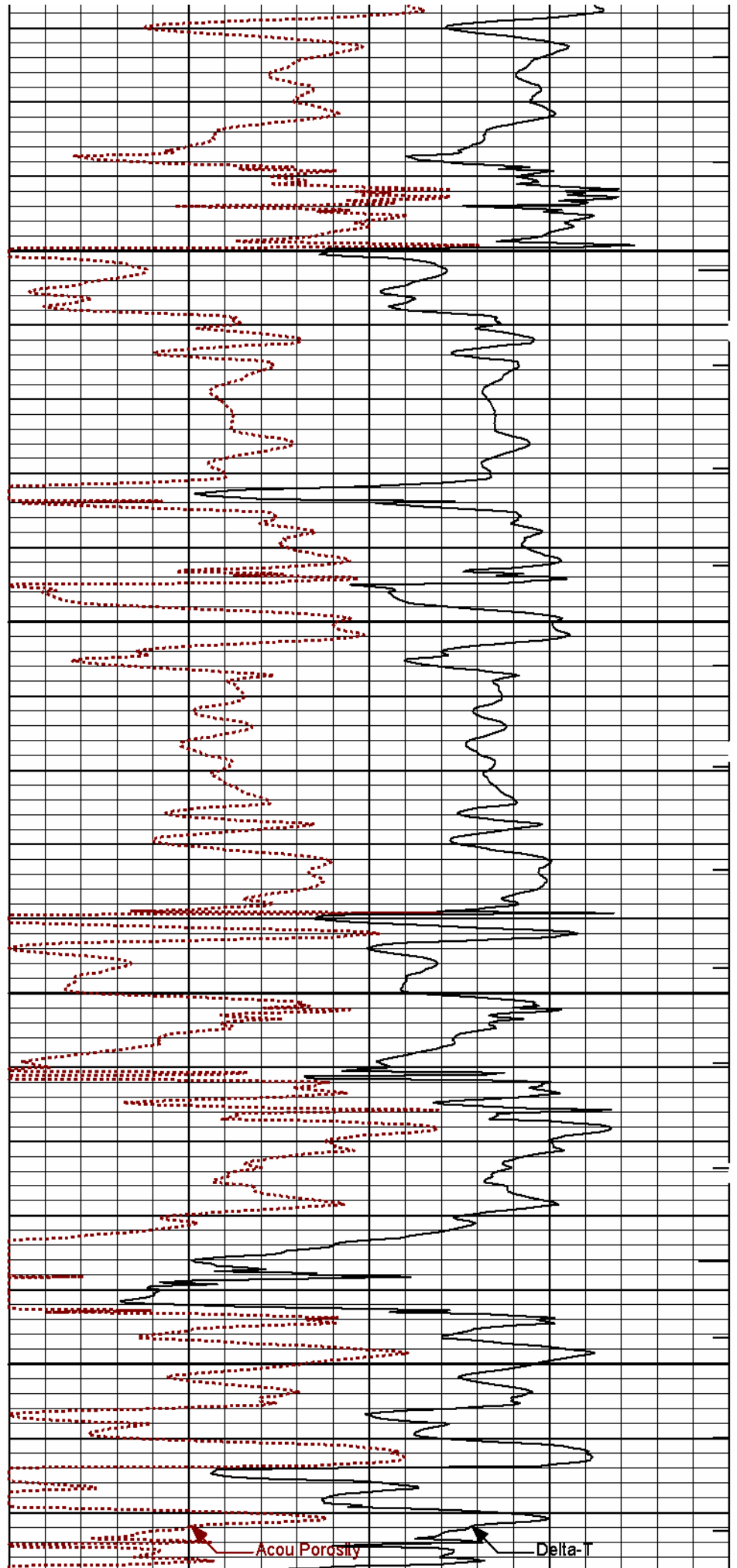
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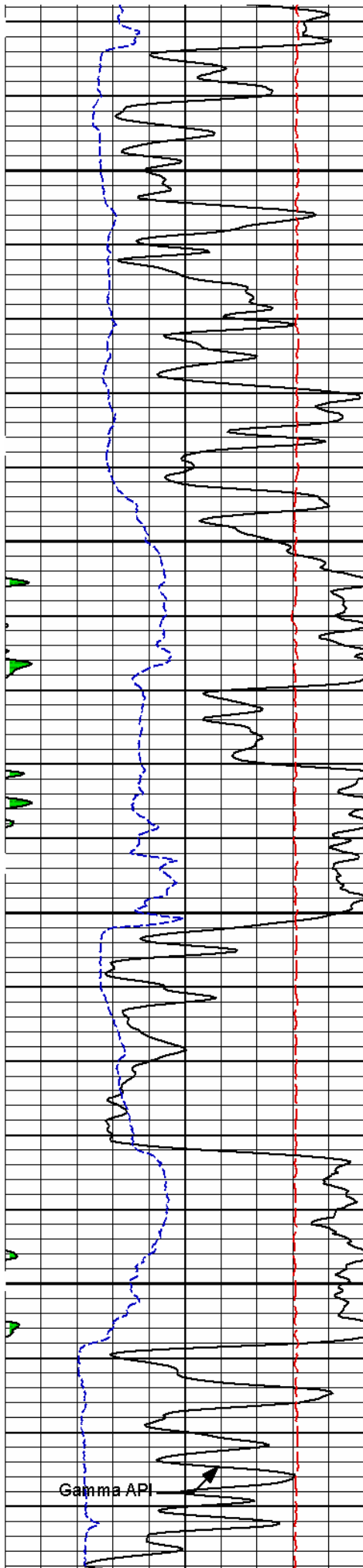




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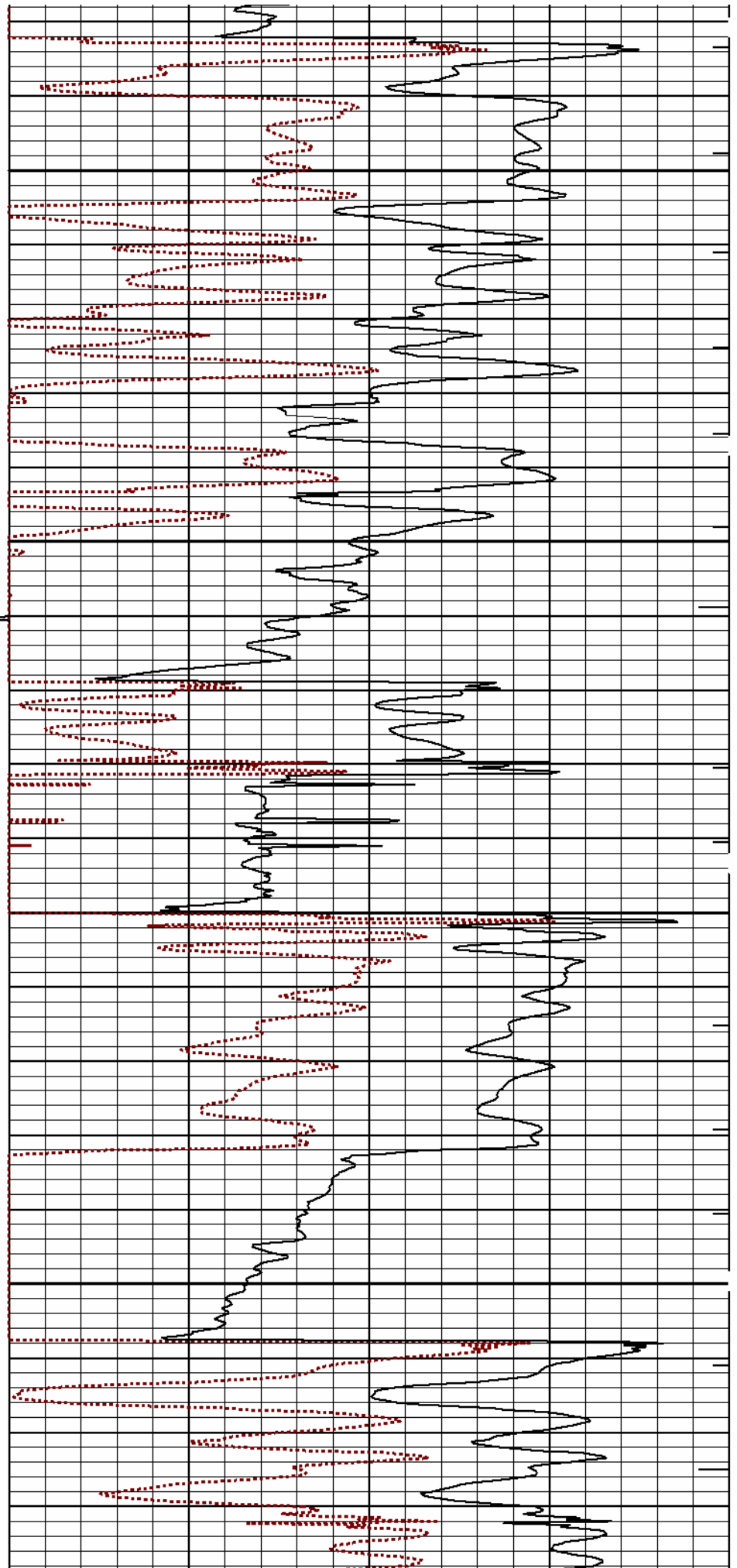
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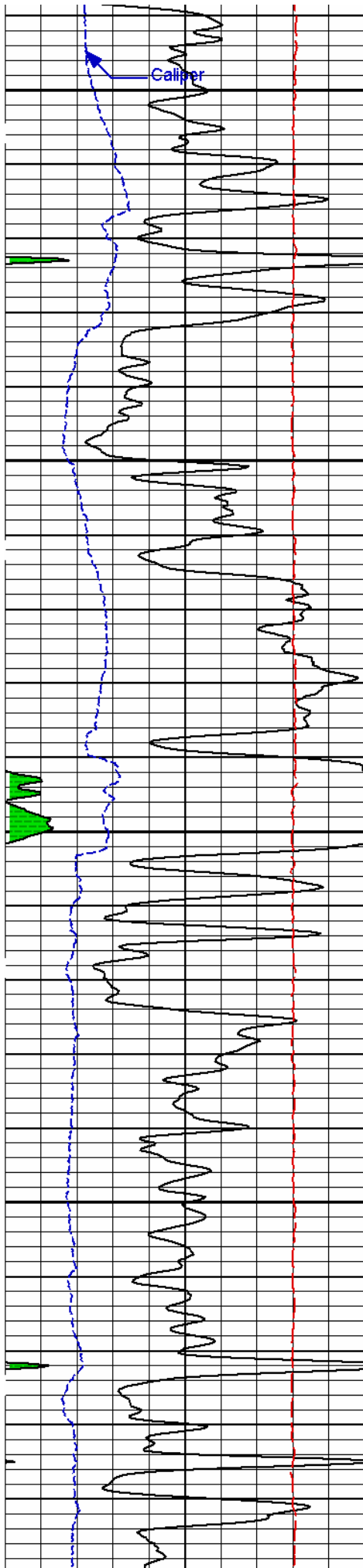




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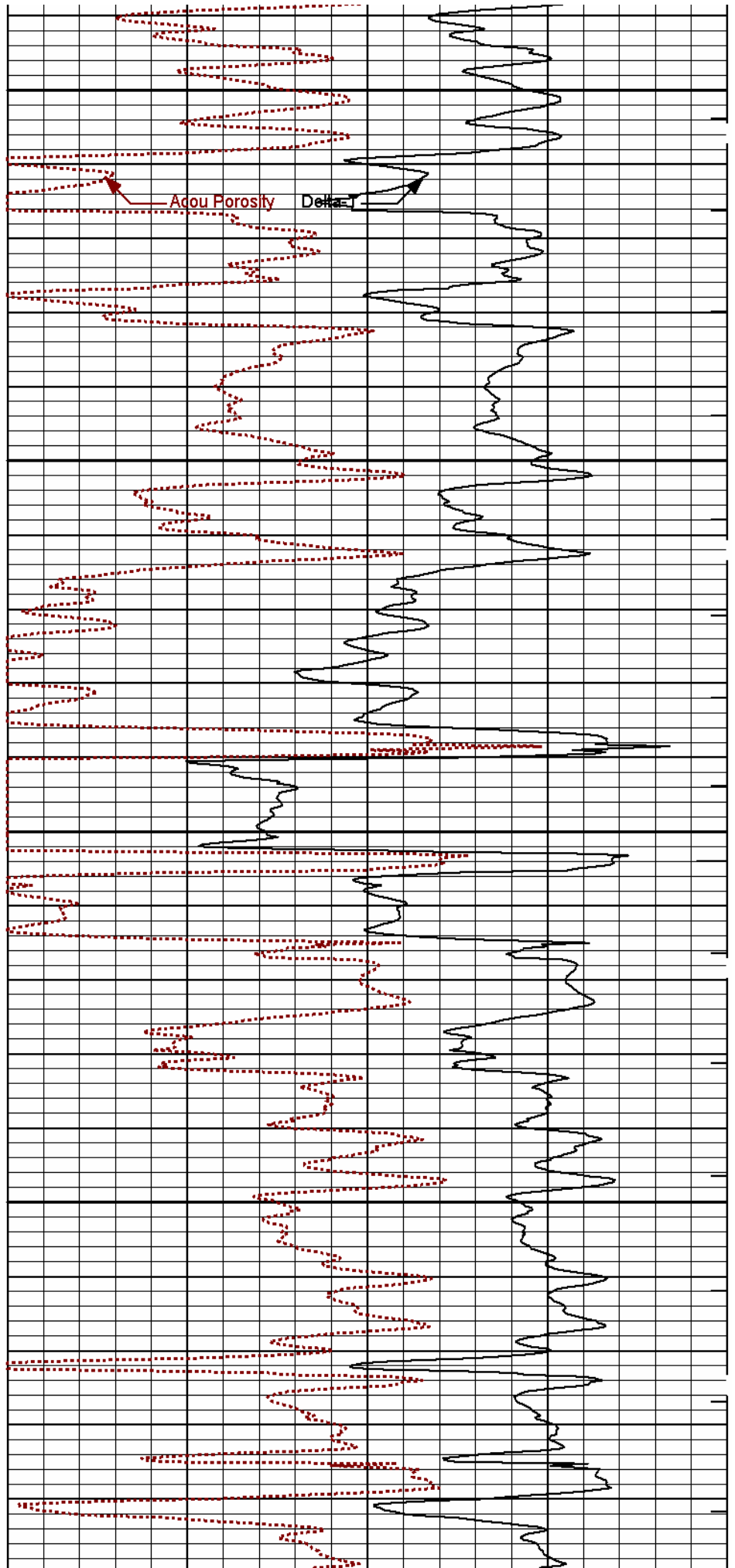
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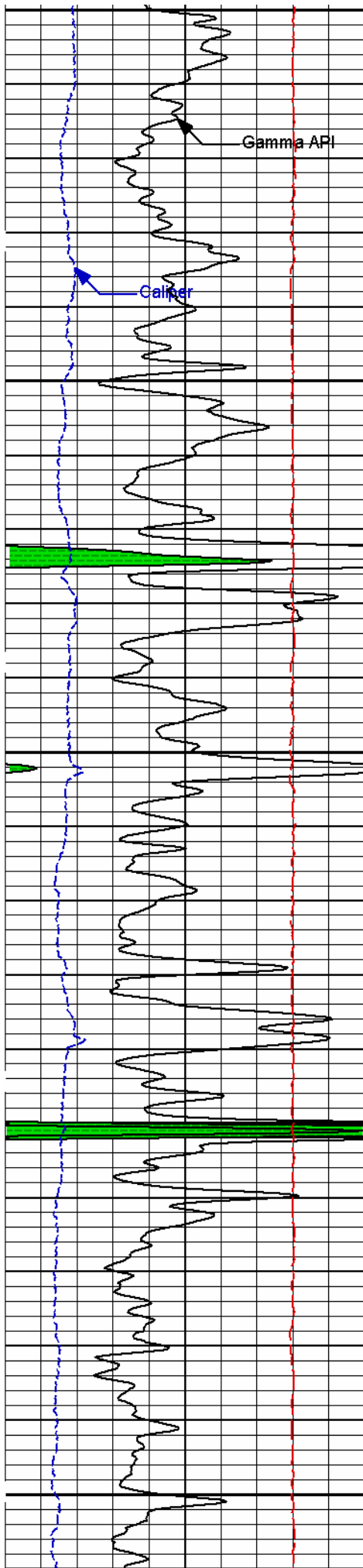




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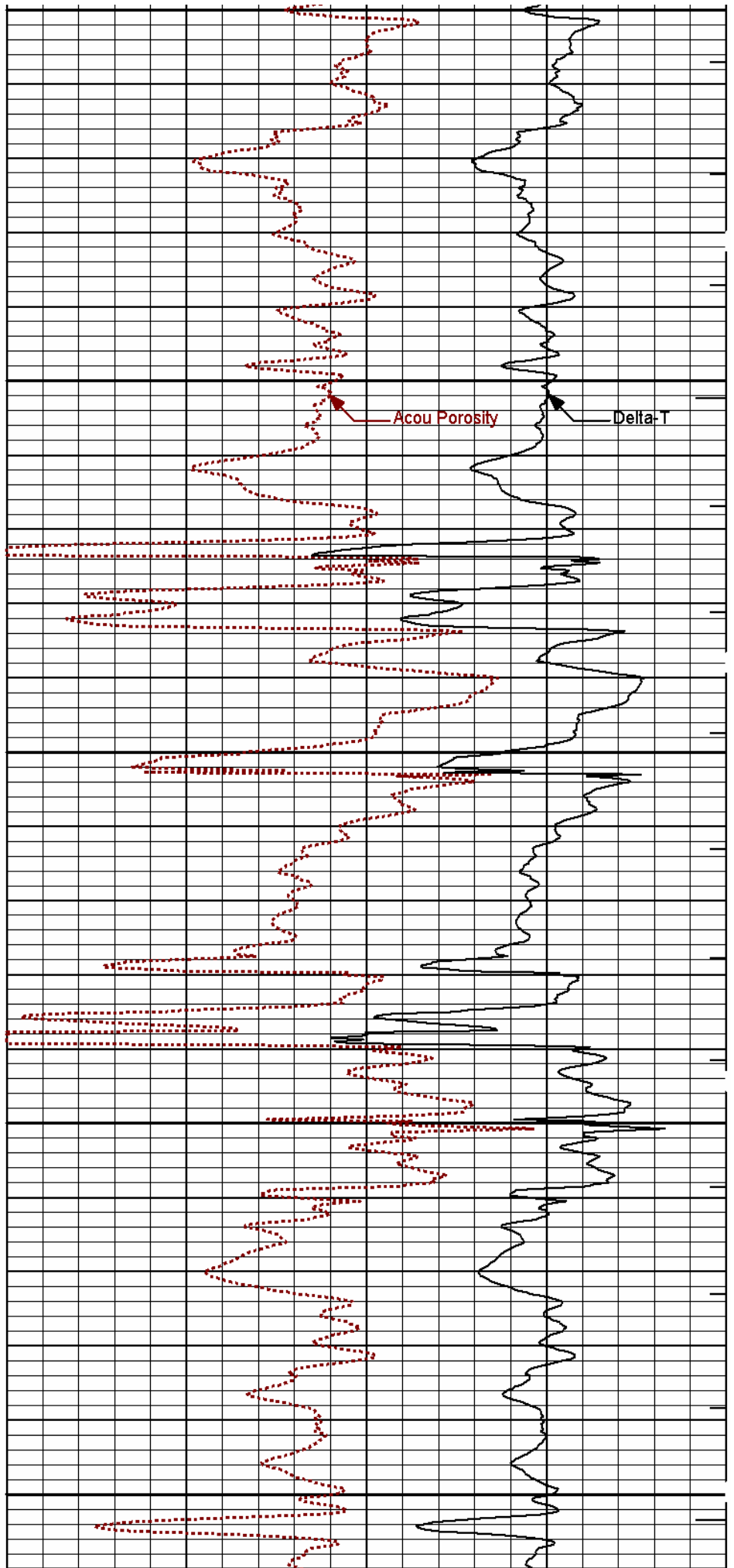
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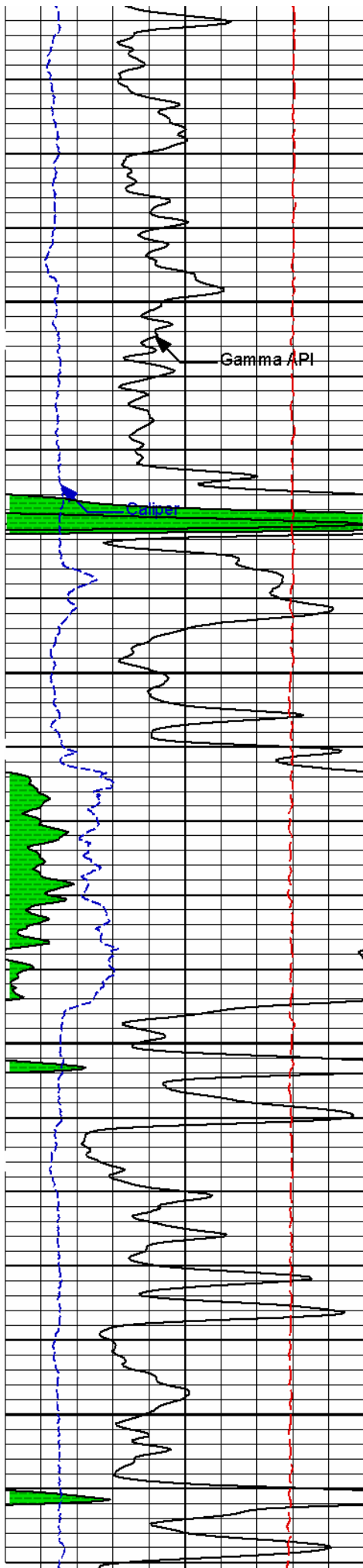




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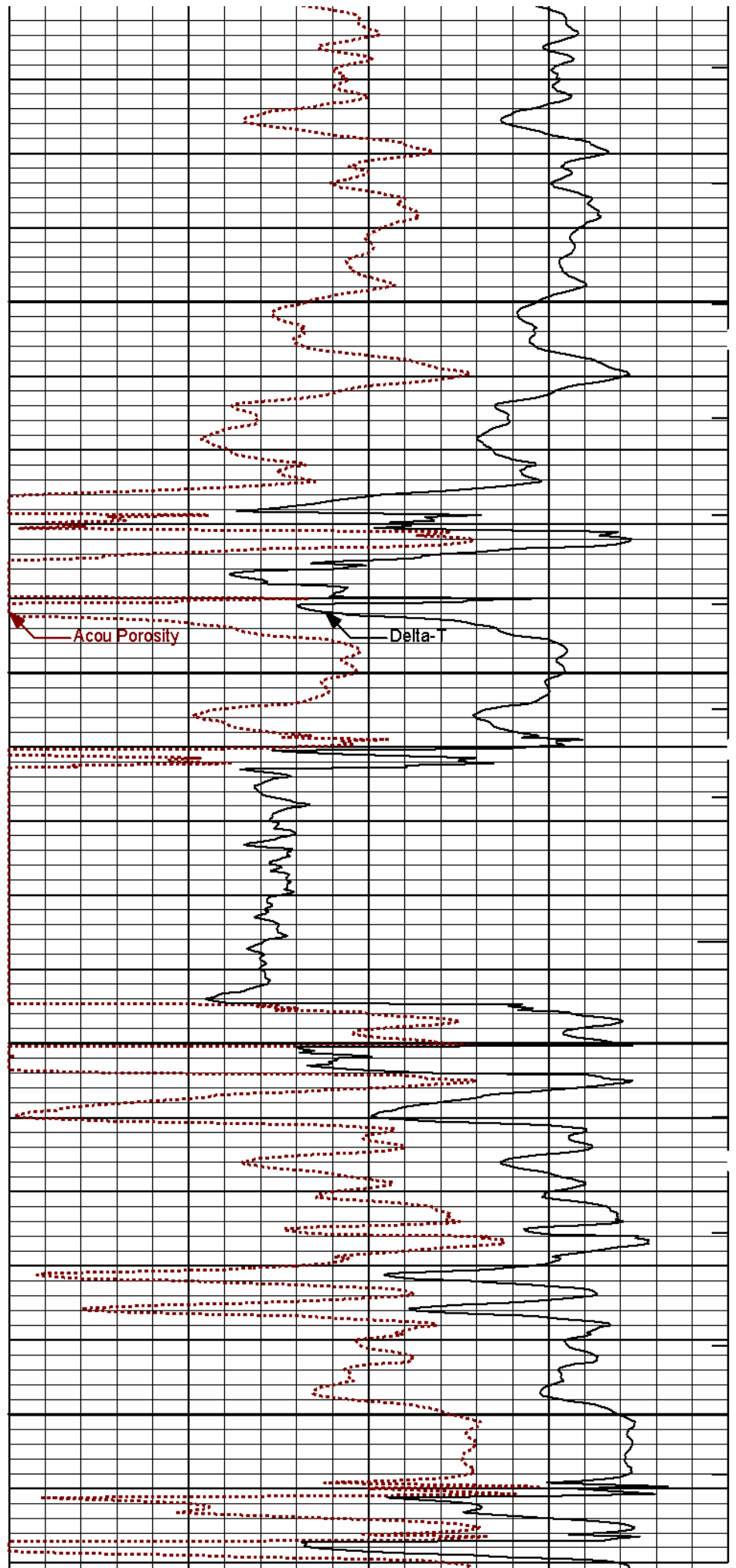
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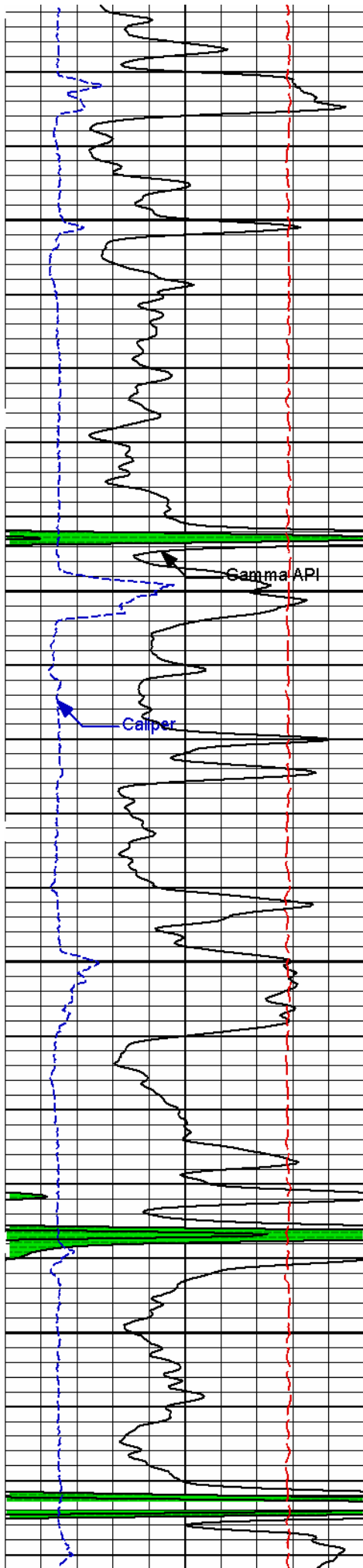




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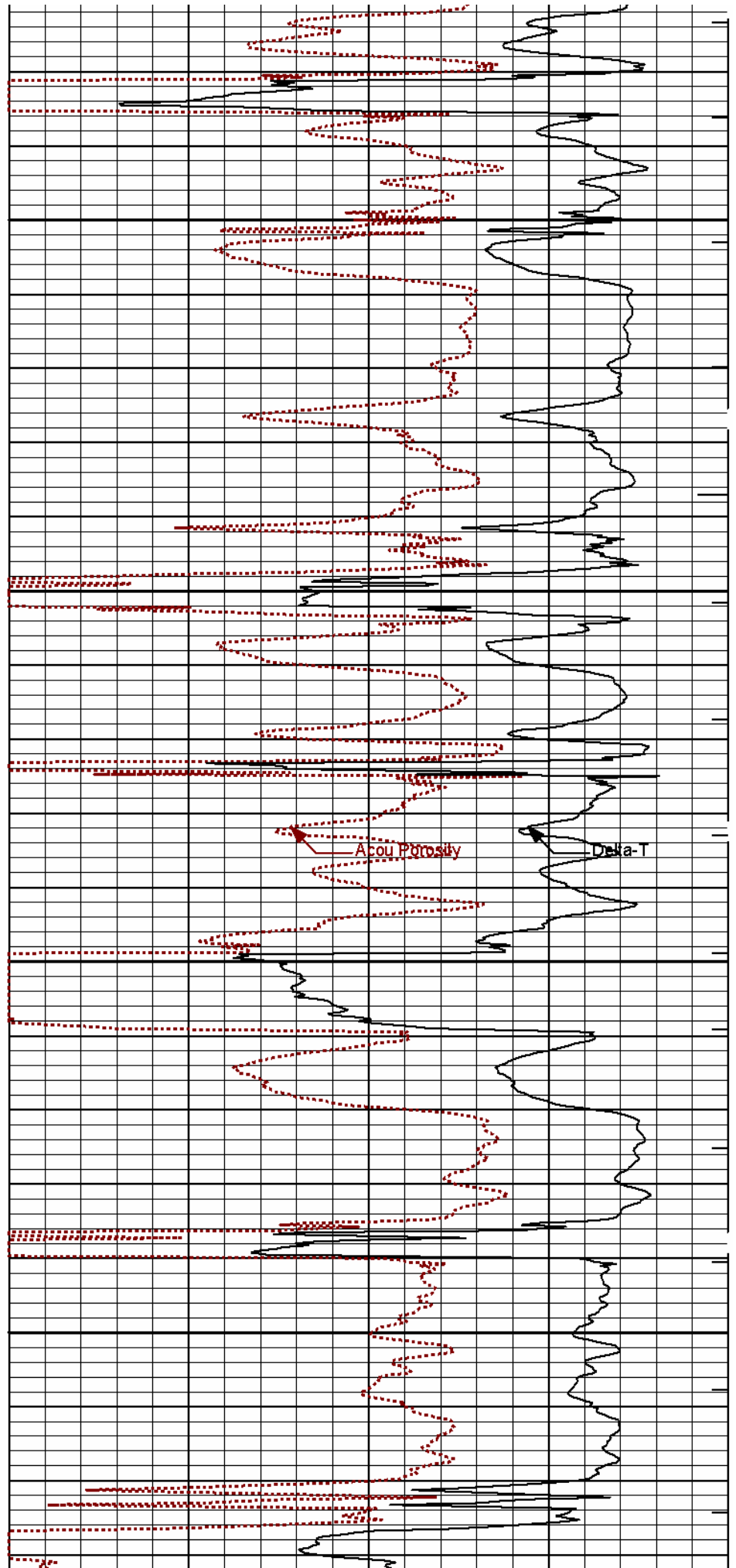
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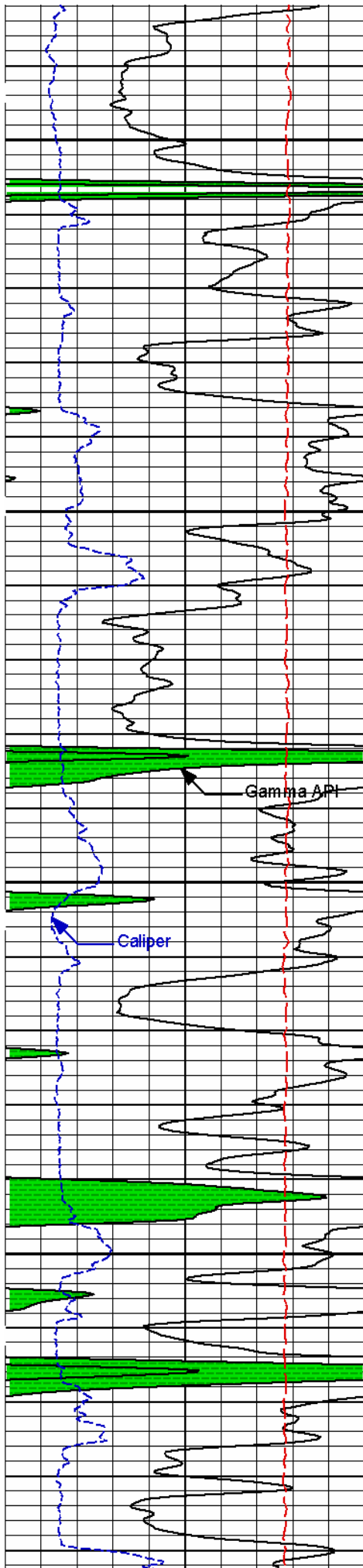




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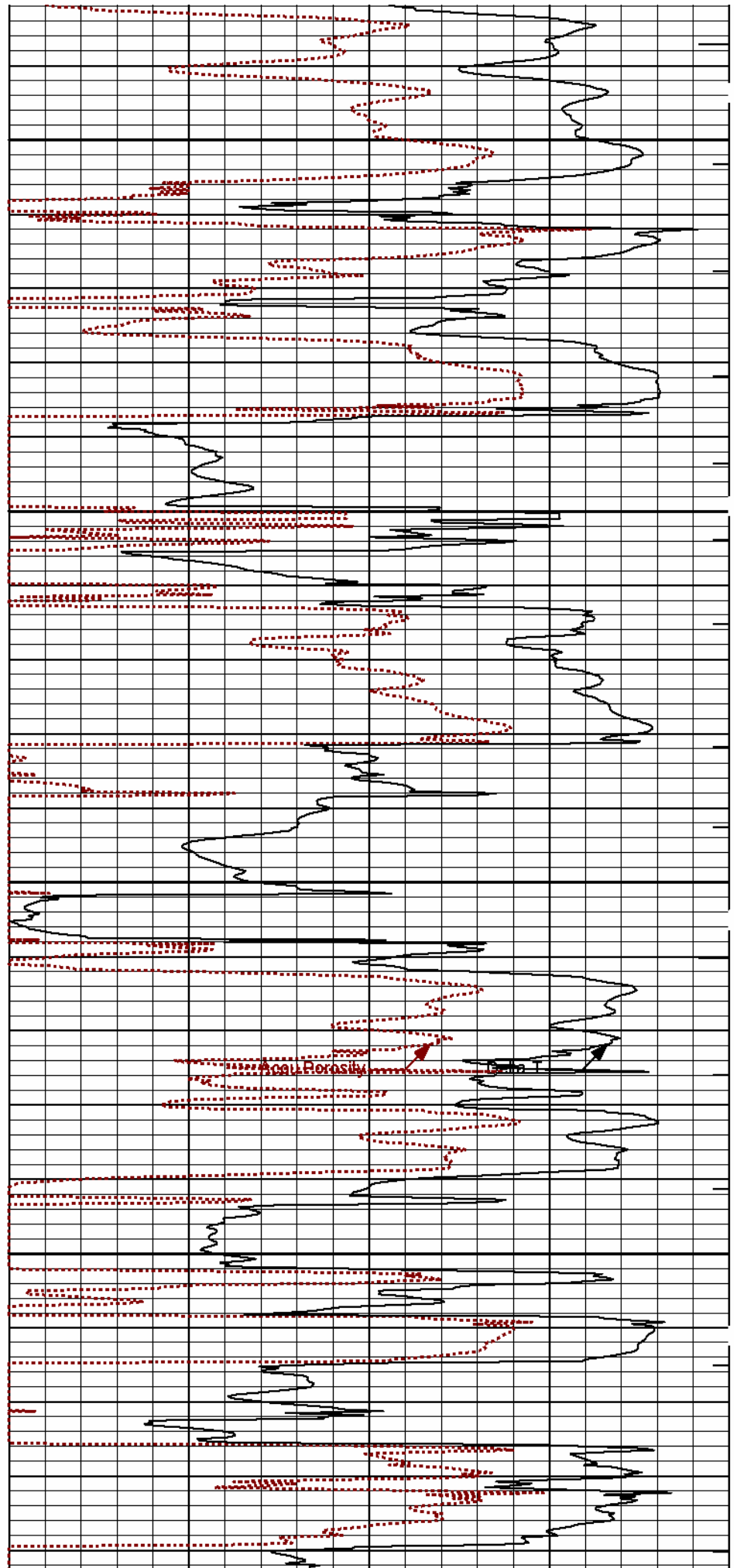
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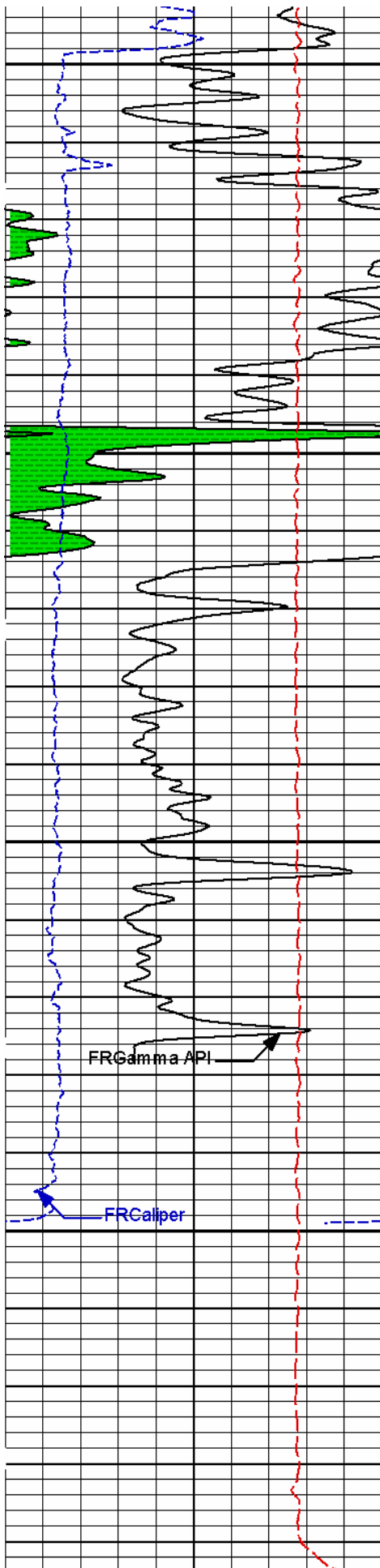




4000

4100





4200

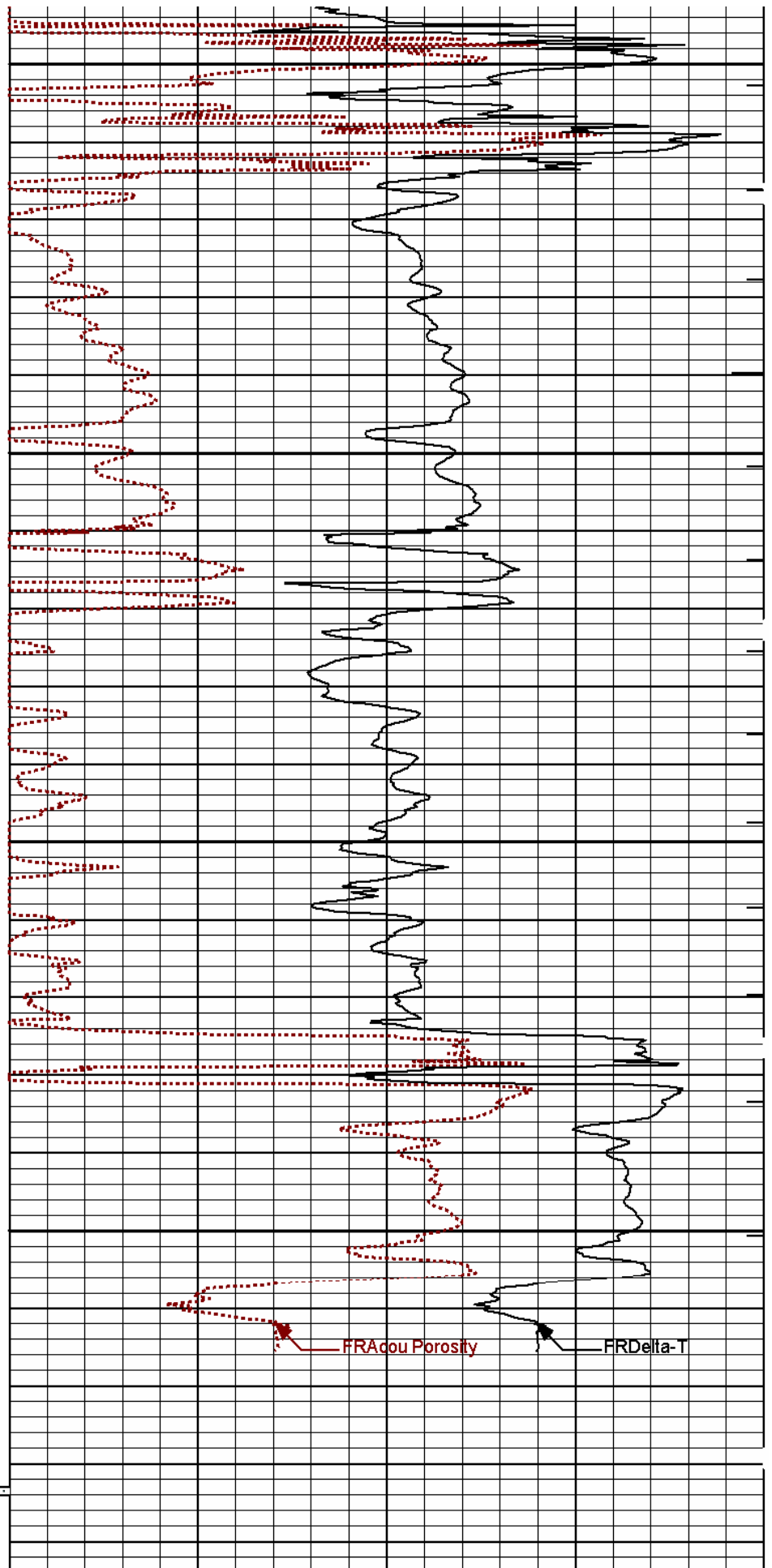
4300

FRGamma API

FRCaliper

15K Tens 0
pounds

MD
1 : 240
ft



FRAcou Porosity

FRDelta-T

ITTT

6	Caliper	16	Tension Pull	10	0	140	Delta-T	40
	inches						microsec per ft	
0	Gamma API	150	Tension Pull	30			Acou Porosity	-10
	api						percent	
SHALE								

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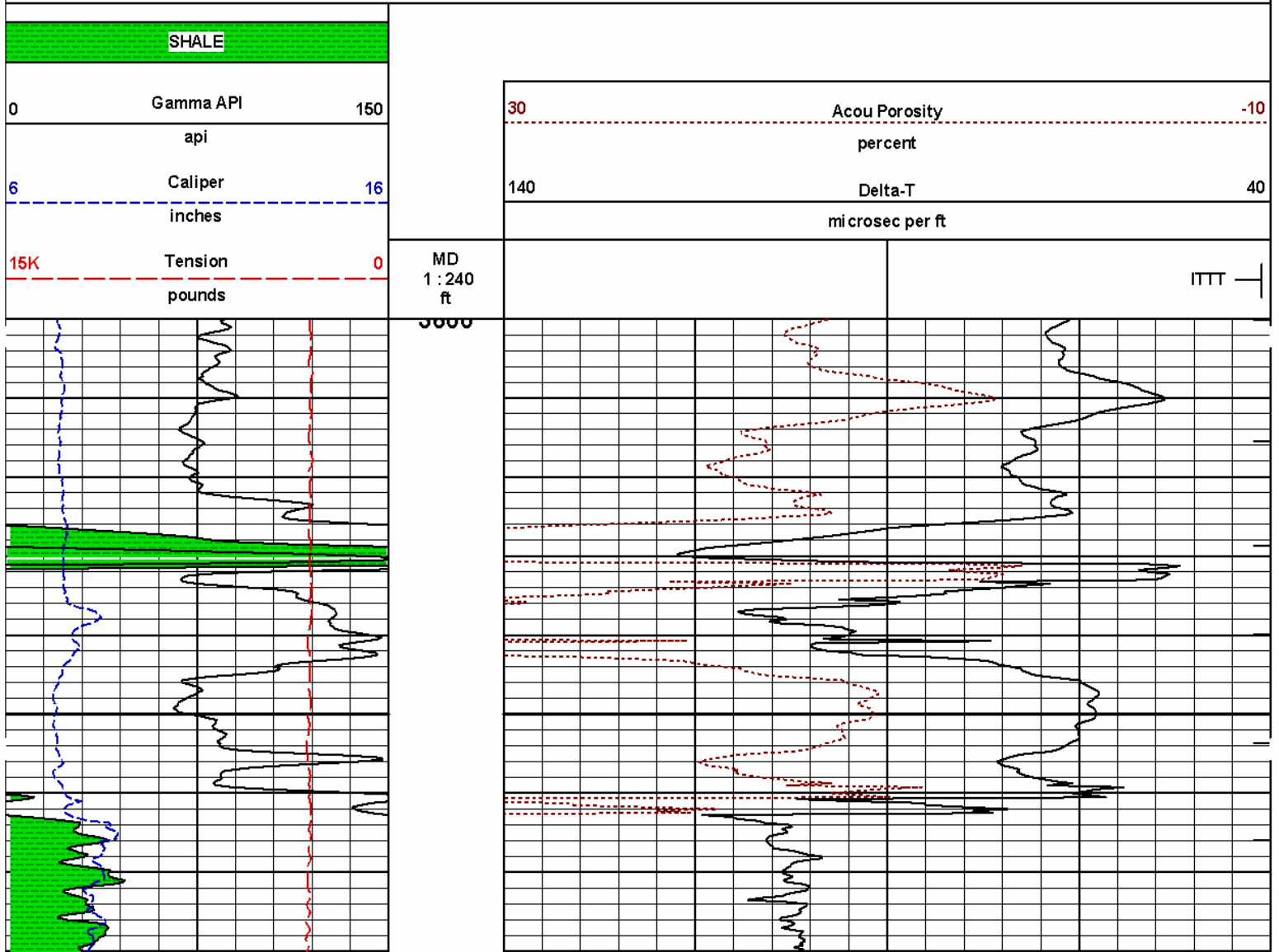
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Data: JOSEFIAK_T_1_22\Well Based\DAQ-0001-004\
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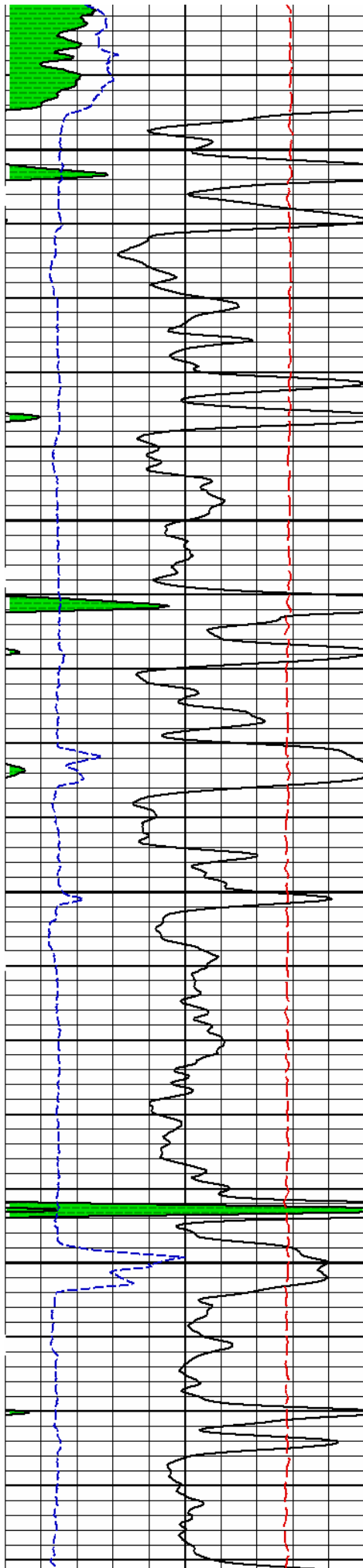
5 INCH MAIN LOG

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Plot Time: 08-Mar-13 20:18:46
Plot Range: 3600 ft to 4394.5 ft
Data: JOSEFIAK_T_1_22\Well Based\DAQ-0001-003\
Plot File: \\BSAT\BSAT_5_REP_LIB

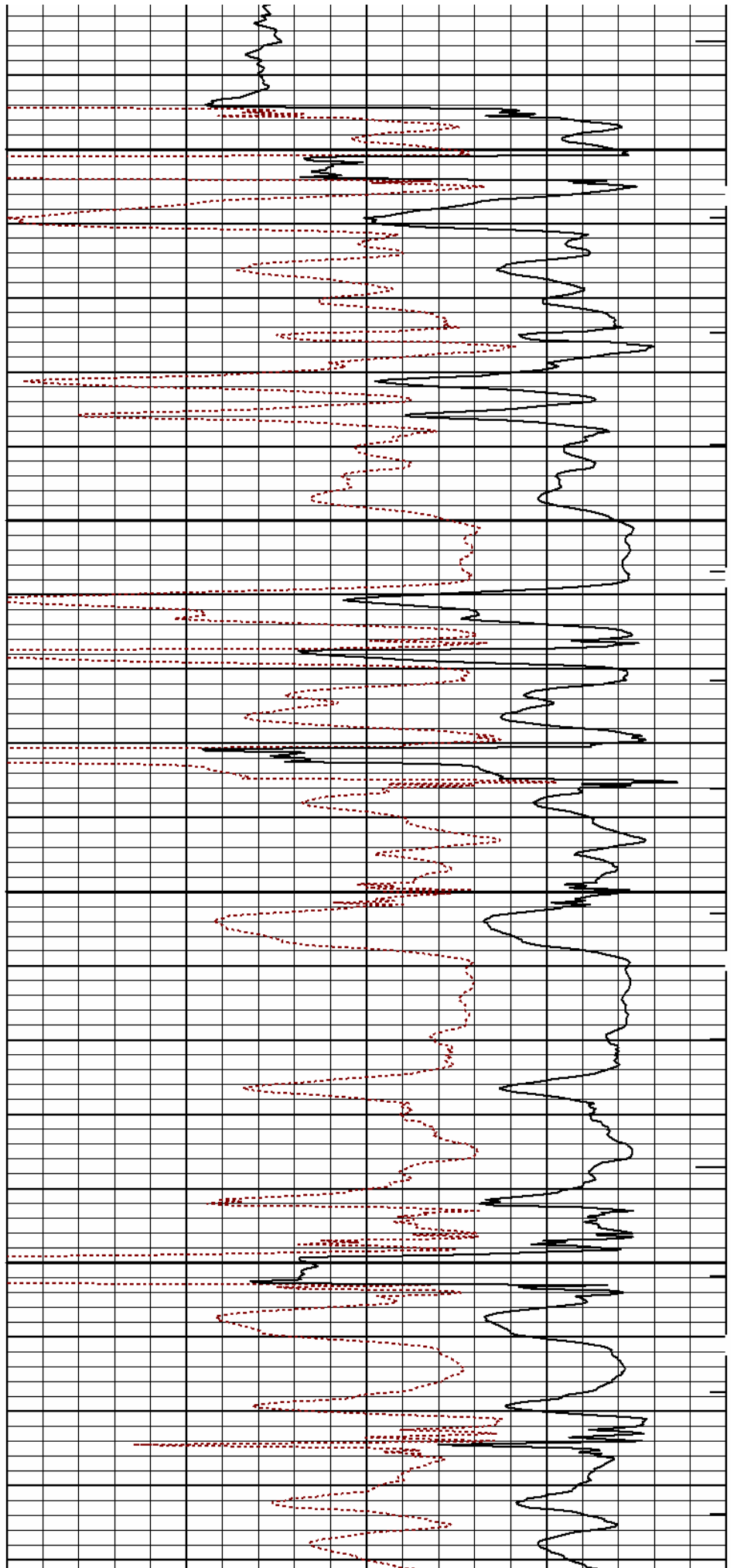
REPEAT SECTION

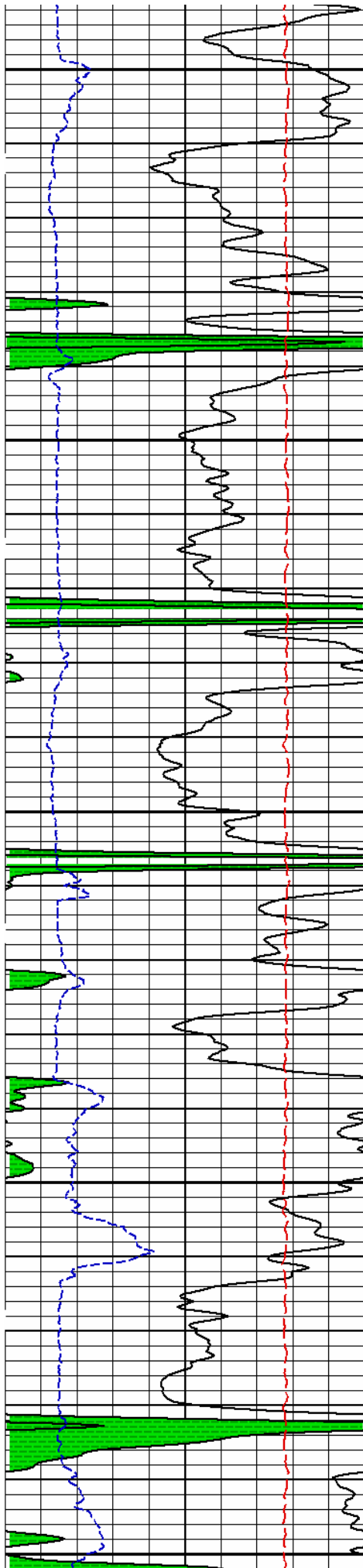




3700

3800

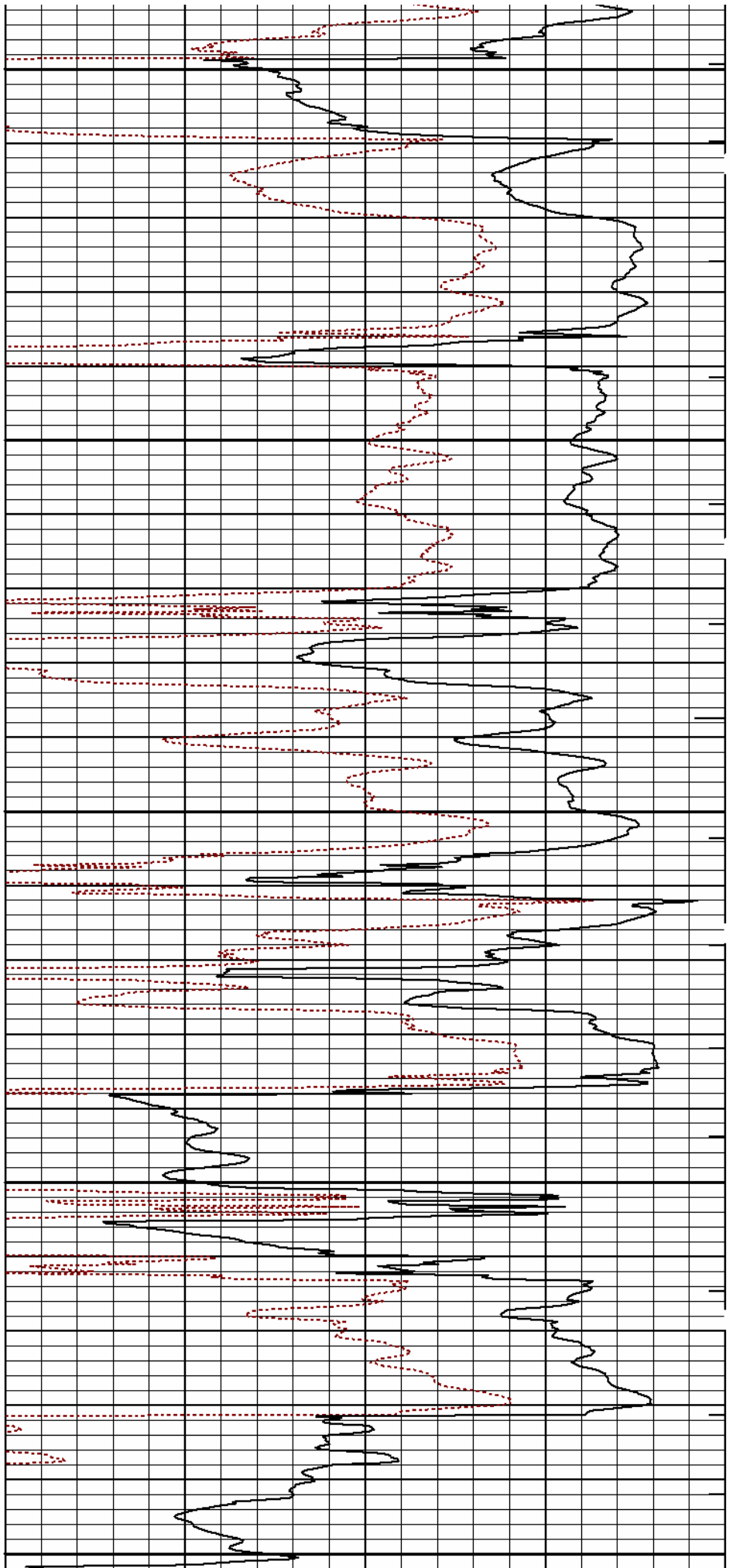


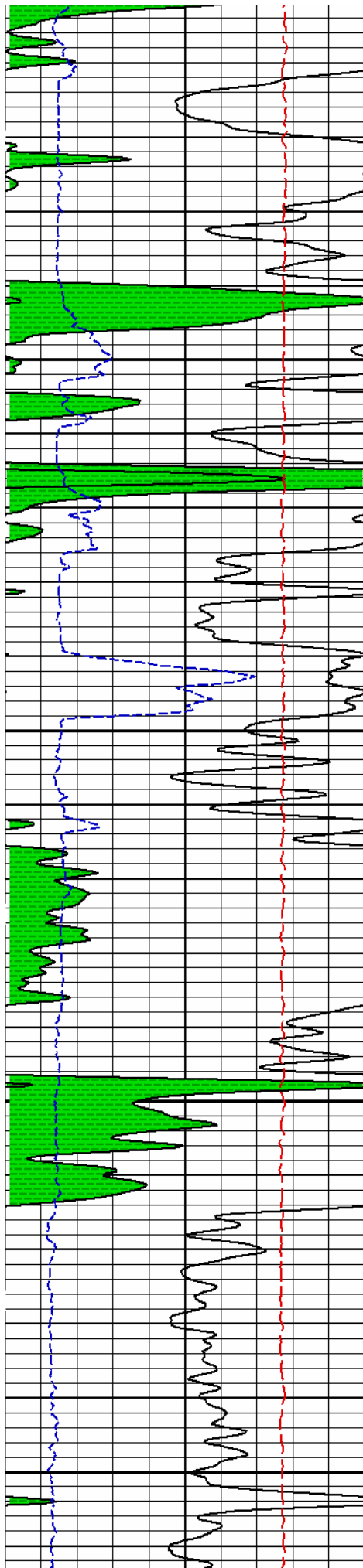


3900

4000

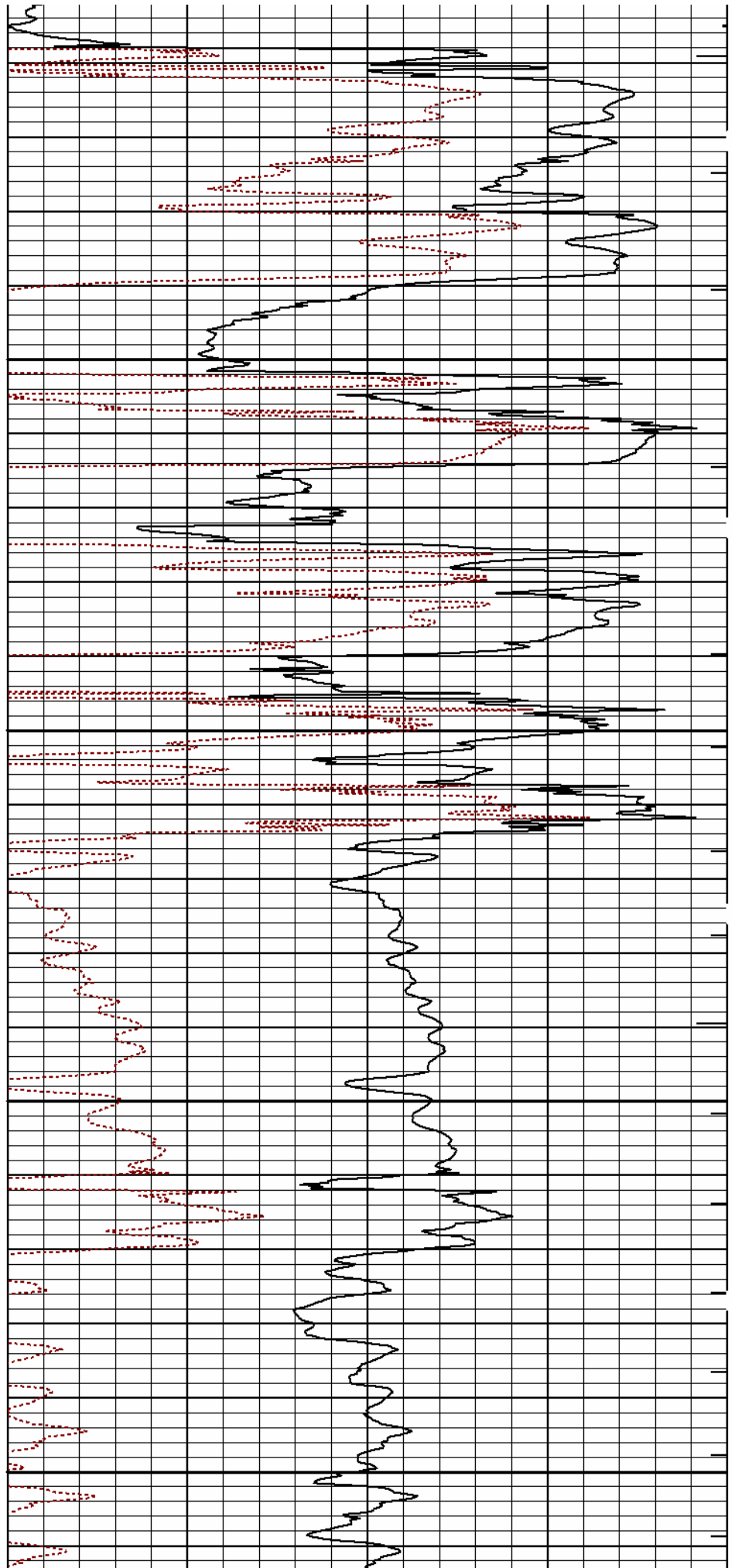
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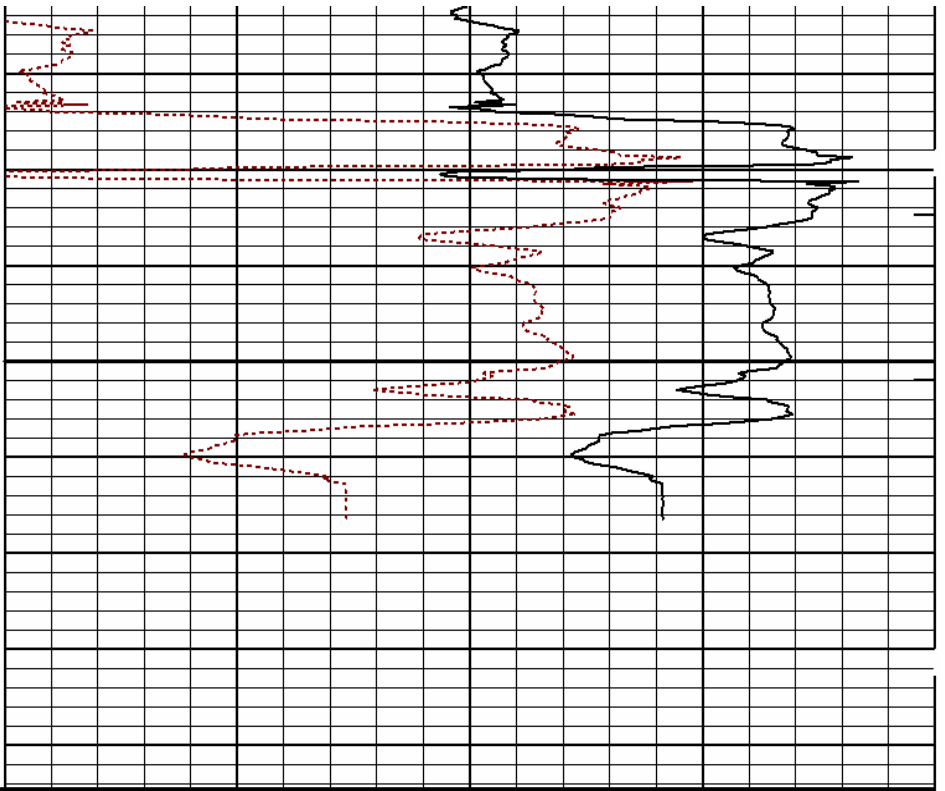




4200

4300





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

HALLIBURTON

Plot Time: 08-Mar-13 20:18:52
 Plot Range: 3600 ft to 4394.5 ft
 Data: JOSEFIK_T_1_22\Well Based\DAQ-0001-003\
 Plot File: \BSAT\BSAT_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 @ 76.03 ft	3.03 ft	77.06 ft
SP Sub-11441455 60.00 lbs		Ø 3.625 in →		← SP @ 72.26 ft	3.74 ft	74.03 ft
						70.30 ft

GTET-11048627
165.00 lbs

Ø 3.625 in →

8.52 ft

← GammaRay @ 64.23 ft

61.78 ft

DSNT-11019643
174.00 lbs

DSN Decentralizer-
11019643
6.60 lbs

Ø 5.000 in* →

Ø 3.625 in →

9.69 ft

← DSN Far @ 54.84 ft

← DSN Near @ 54.09 ft

52.09 ft

SDLT-10950489
360.00 lbs

SDLT Pad-10844781
65.00 lbs
Microlog Pad-10950489
8.00 lbs

Ø 4.500 in →

Ø 4.750 in* →

Ø 4.750 in* →

10.81 ft

Microlog @ 44.28 ft
SDL Caliper @ 44.09 ft
SDL @ 44.08 ft

41.28 ft

Flex Joint-001
140.00 lbs

Ø 3.625 in →

5.67 ft

35.61 ft

Centralizer 29-1
12.00 lbs

Ø 4.000 in* →

BSAT-10747683
300.00 lbs

Ø 3.625 in →

15.77 ft

← Sonic Receivers @ 27.09 ft

19.83 ft

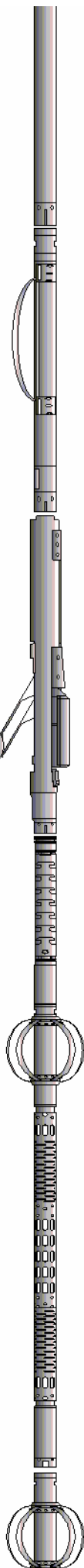
ACRT Instrument-
15059_S8385
50.00 lbs

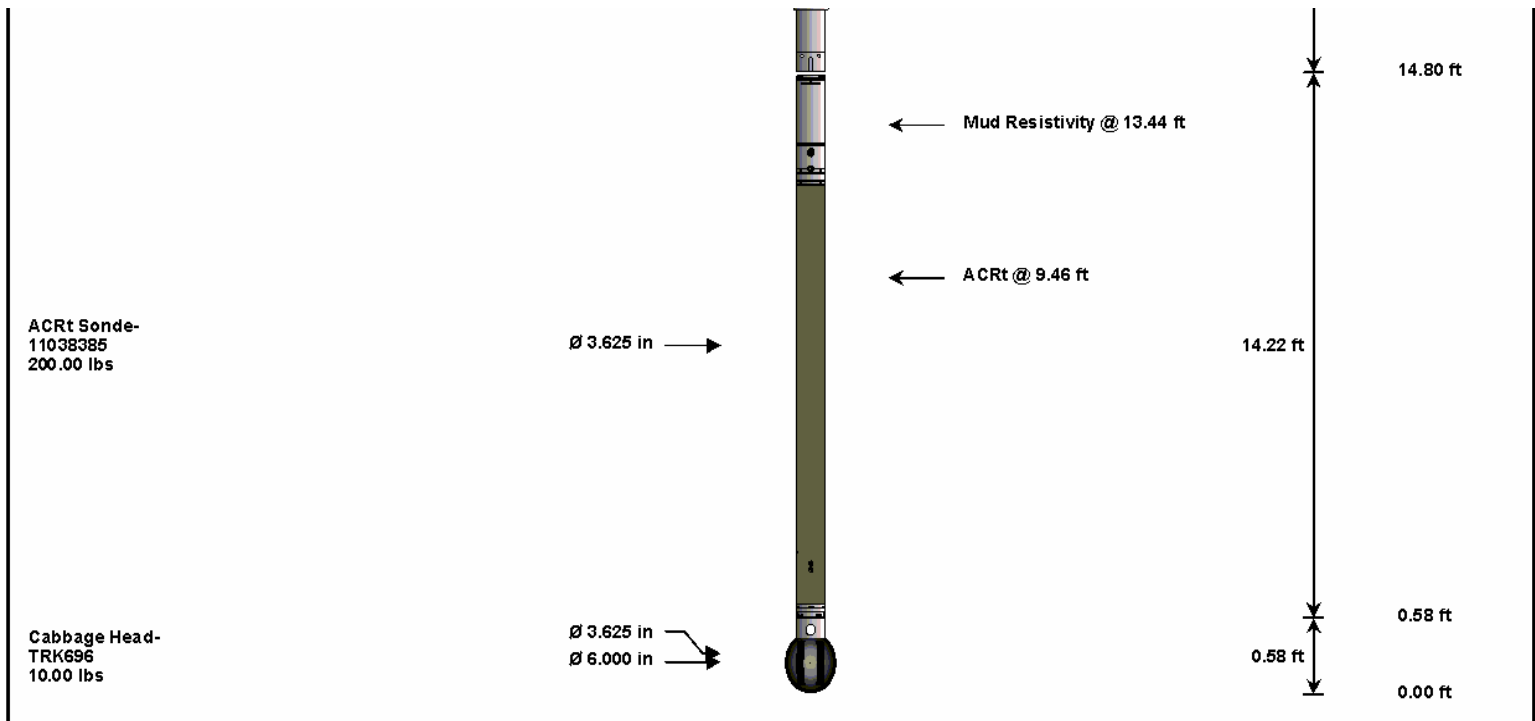
Centralizer 29-2
12.00 lbs

Ø 4.000 in* →

Ø 3.625 in →

5.03 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	74.03	300.00	
SP	SP Sub	11441455	60.00	3.74	70.30	300.00	
GTET	Gamma Telemetry Tool	11048627	165.00	8.52	61.78	60.00	
DSNT	Dual Spaced Neutron	11019643	174.00	9.69	52.09	60.00	
DCNT	DSN Decentralizer	11019643	6.60	5.13	*	55.42	300.00
SDLT	Spectral Density Tool	10950489	360.00	10.81	41.28	60.00	
MICP	Microlog Pad	10950489	8.00	1.00	*	43.78	60.00
SDLP	Density Insite Pad	10844781	65.00	2.55	*	43.49	60.00
FLEX	Flex Joint	001	140.00	5.67	35.61	300.00	
BSAT	Borehole Sonic Array Tool	10747683	300.00	15.77	19.83	60.00	
OBCEN	Centralizer - 29 in.Overbody	1	12.00	2.42	*	32.77	300.00
ACRt	Array Compensated True Resistivity Instrument Section	I5059_S8385	50.00	5.03	14.80	300.00	
OBCEN	Centralizer - 29 in.Overbody	2	12.00	2.42	*	16.39	300.00
ACRt	Array Compensated True Resistivity Sonde Section	11038385	200.00	14.22	0.58	300.00	
CBHD	Cabbage Head	TRK696	10.00	0.58	0.00	300.00	
Total			1,600.10	77.06			
* Not included in Total Length and Length Accumulation.							
Data: JOSEFIAK_T_1_2210001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CHIDLE					Date: 08-Mar-13 16:18:30		

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CALIBRATION REPORT			
NATURAL GAMMA RAY TOOL SHOP CALIBRATION			
Tool Name:	GTET - 11048627	Reference Calibration Date:	13-Feb-13 14:00:35
Engineer:	J. BOLLOM	Calibration Date:	05-Mar-13 09:33:28
Software Version:	WL INSITE R3.8.0 (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	50.6	51.6	api

Background	30.0	31.0	api
Background + Calibrator	315.2	321.3	api
Calibrator	264.6	269.6	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION			
Tool Name:	GTET - 11048627	Reference Calibration Date:	05-Mar-13 09:33:28
Engineer:	THOMAS HYDE	Calibration Date:	07-Mar-13 23:46:13
Software Version:	WL INSITE R3.8.0 (Build 2)	Calibration Version:	1

Calibrator Source S/N: TB146

Calibrator API Reference:265.00 api

Equivalent Calibrator API Reference:269.6 api

Field Verification	Shop	Field	Units
Background	51.6	50.2	api
Background + Calibrator	321.3	322.3	api
Calibrator	269.6	272.1	api

Shop	Field	Difference	Tolerance
269.6	272.1	-2.5	+/- 9.00

BSAT FIELD CASING CHECK			
Tool Name:	BSAT - 10747683	Calibration Date:	27-Feb-13 23:15:41
Engineer:	THOMAS HYDE		
Software Version:	WL INSITE R3.8.0 (Build 2)	Calibration Version:	1

Pre-Log Check	Check Depth	Shop	Field	Difference	Tolerance	Units
Delta-T Compensated	155.92	57.00	57.77	-0.7700	1.00	uspf

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11048627						
Gamma Ray Calibrator	269.6	272.1	-----	-2.5	+/- 9.00	api

Data: JOSEFIAK_T_1_2210001 SP-GTET-DSN-SDL-FLEX-BSAT-ACRT-CHIDLE

Date: 08-Mar-13 16:47:44

HALLIBURTON

PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	7.875	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDBS	Mud Base	Water	
	SHARED	MDWT	Borehole Fluid Weight	9.200	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	70.0	degF
	SHARED	CSD	Logging Interval is Cased?	No	

SHARED	ICOD	AHV Casing OD	5.500	in
SHARED	ST	Surface Temperature	70.0	degF
SHARED	TD	Total Well Depth	4387.00	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	DSNO	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
DSNT	DNTP	Temperature Correction Type	None	
DSNT	DPRS	DSN Pressure Correction Type	None	
DSNT	SHCO	View More Correction Options	No	
DSNT	UTVD	Use TVD for Gradient Corrections?	No	
DSNT	LHWT	Logging Horizontal Water Tank?	No	
SDLT	CLOK	Process Caliper Outputs?	Yes	
SDLT Pad	DNOK	Process Density?	Yes	
SDLT Pad	DNOK	Process Density EVR?	No	
SDLT Pad	CB	Logging Calibration Blocks?	No	
SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT Pad	DTWN	Disable temperature warning	No	
SDLT Pad	DMA	Formation Density Matrix	2.710	g/cc
SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
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 Upr	

ACRt Sonde	TPOS	Tool Position	Free Hanging	
ACRt Sonde	RMOP	Rmud Source	Mud Cell	
ACRt Sonde	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt Sonde	RMIN	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm

BOTTOM

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HALLIBURTON

INPUTS, DELAYS AND FILTERS TABLE

Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel				
TENS	Tension	0.00	NO	
CH_HOS				
DHTN	Downhole Tension	0.00	BLK	0.000
SP Sub				
PLTC	Plot Control Mask	72.25	NO	
SP	Spontaneous Potential	72.25	BLK	1.250
SPR	Raw Spontaneous Potential	72.25	NO	
SPO	Spontaneous Potential Offset	72.25	NO	
GTET				
TPUL	Tension Pull	64.23	NO	
GR	Natural Gamma Ray API	64.23	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	64.23	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	64.23	W	1.416 , 0.750
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
DSNT				
TPUL	Tension Pull	53.99	NO	
RNDS	Near Detector Telemetry Counts	54.09	BLK	1.417
RFDS	Far Detector Telemetry Counts	54.84	TRI	0.583
DNTT	DSN Tool Temperature	54.09	NO	
DSNS	DSN Tool Status	53.99	NO	
ERND	Near Detector Telemetry Counts EVR	54.09	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	54.84	BLK	0.000
ENTM	DSN Tool Temperature EVR	54.09	NO	
SDLT				
TPUL	Tension Pull	44.09	NO	
PCAL	Pad Caliper	44.09	TRI	0.250
ACAL	Arm Caliper	44.09	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	
GMOD	Gain processing mode	19.83	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 Current Raw 12K X Receiver	2.97	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.97	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.97	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.97	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.97	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.97	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.97	BLK	0.000
TFPI	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	44.08	NO	
NAB	Near Above	43.90	BLK	0.920
NHI	Near Cesium High	43.90	BLK	0.920
NLO	Near Cesium Low	43.90	BLK	0.920
NVA	Near Valley	43.90	BLK	0.920
NBA	Near Barite	43.90	BLK	0.920
NDE	Near Density	43.90	BLK	0.920
NPK	Near Peak	43.90	BLK	0.920
NLI	Near Lithology	43.90	BLK	0.920
NBAU	Near Barite Unfiltered	43.90	BLK	0.250
NLIU	Near Lithology Unfiltered	43.90	BLK	0.250
FAB	Far Above	44.26	BLK	0.250
FHI	Far Cesium High	44.26	BLK	0.250
FLO	Far Cesium Low	44.26	BLK	0.250
FVA	Far Valley	44.26	BLK	0.250
FBA	Far Barite	44.26	BLK	0.250
FDE	Far Density	44.26	BLK	0.250
FPK	Far Peak	44.26	BLK	0.250
FLI	Far Lithology	44.26	BLK	0.250
PTMP	Pad Temperature	44.09	BLK	0.920
NHV	Near Detector High Voltage	43.49	NO	
FHV	Far Detector High Voltage	43.49	NO	
ITMP	Instrument Temperature	43.49	NO	
DDHV	Detector High Voltage	43.49	NO	
Microlog Pad				
TPUL	Tension Pull	44.28	NO	
MINV	Microlog Lateral	44.28	BLK	0.750
MNOR	Microlog Normal	44.28	BLK	0.750
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COMPANY	RAYDON EXPLORATION, INC.		
WELL	JOSEFIAK TRUST 1-22		
FIELD	WILDCAT		
COUNTY	PAWNEE	STATE	KANSAS
HALLIBURTON		BORE HOLE COMPENSATED SONIC ARRAY LOG	