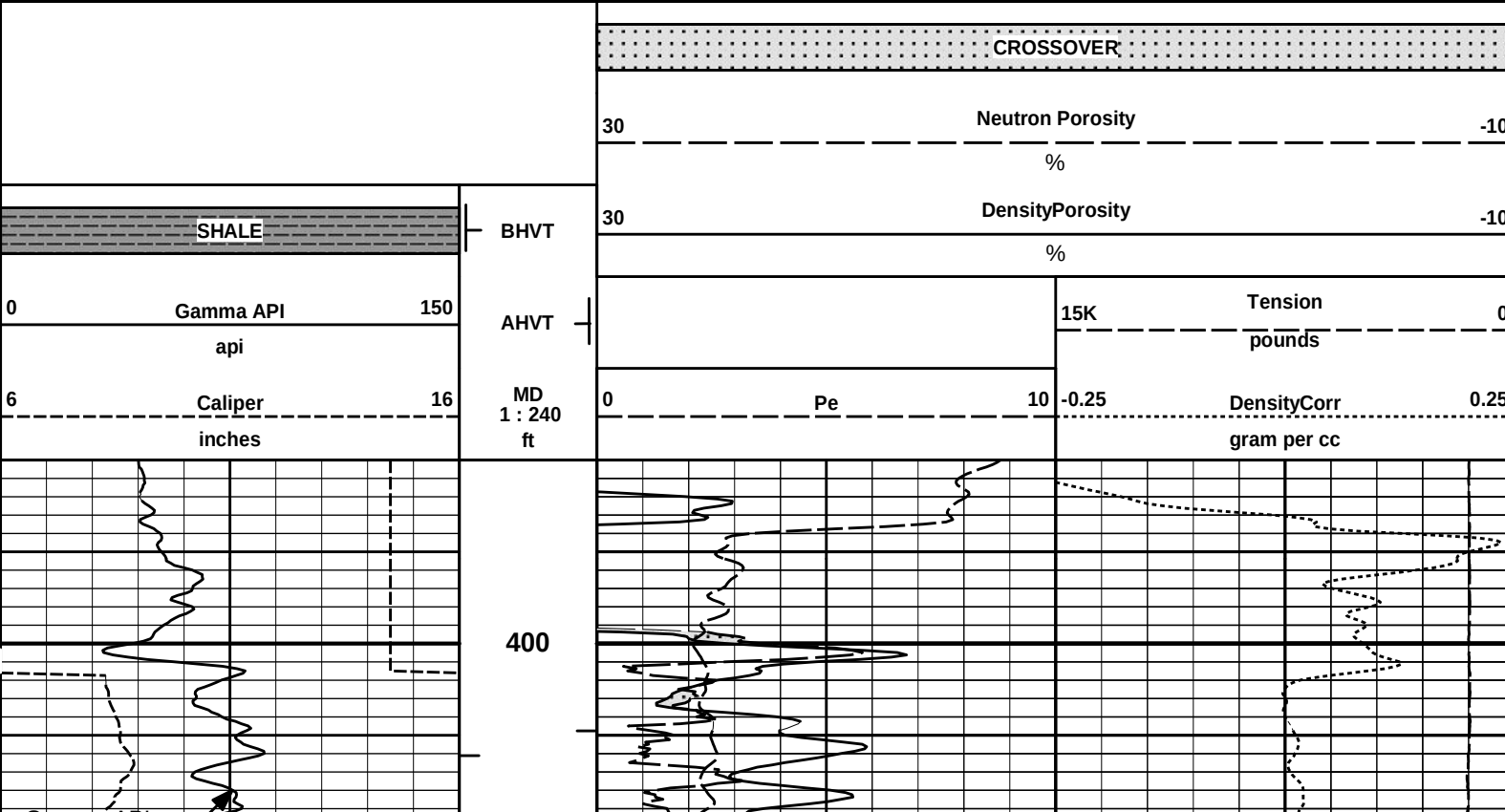


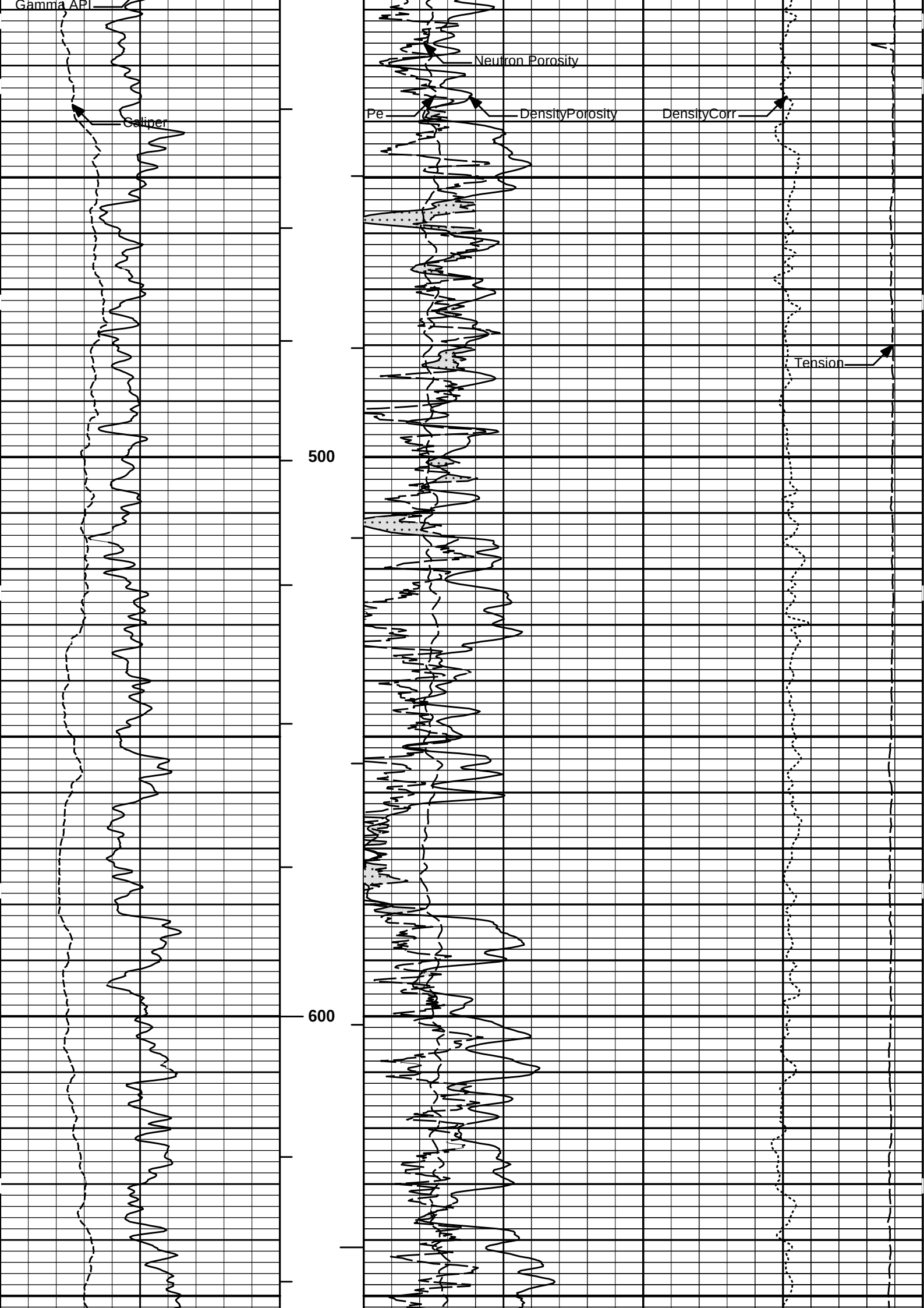
HALLIBURTON

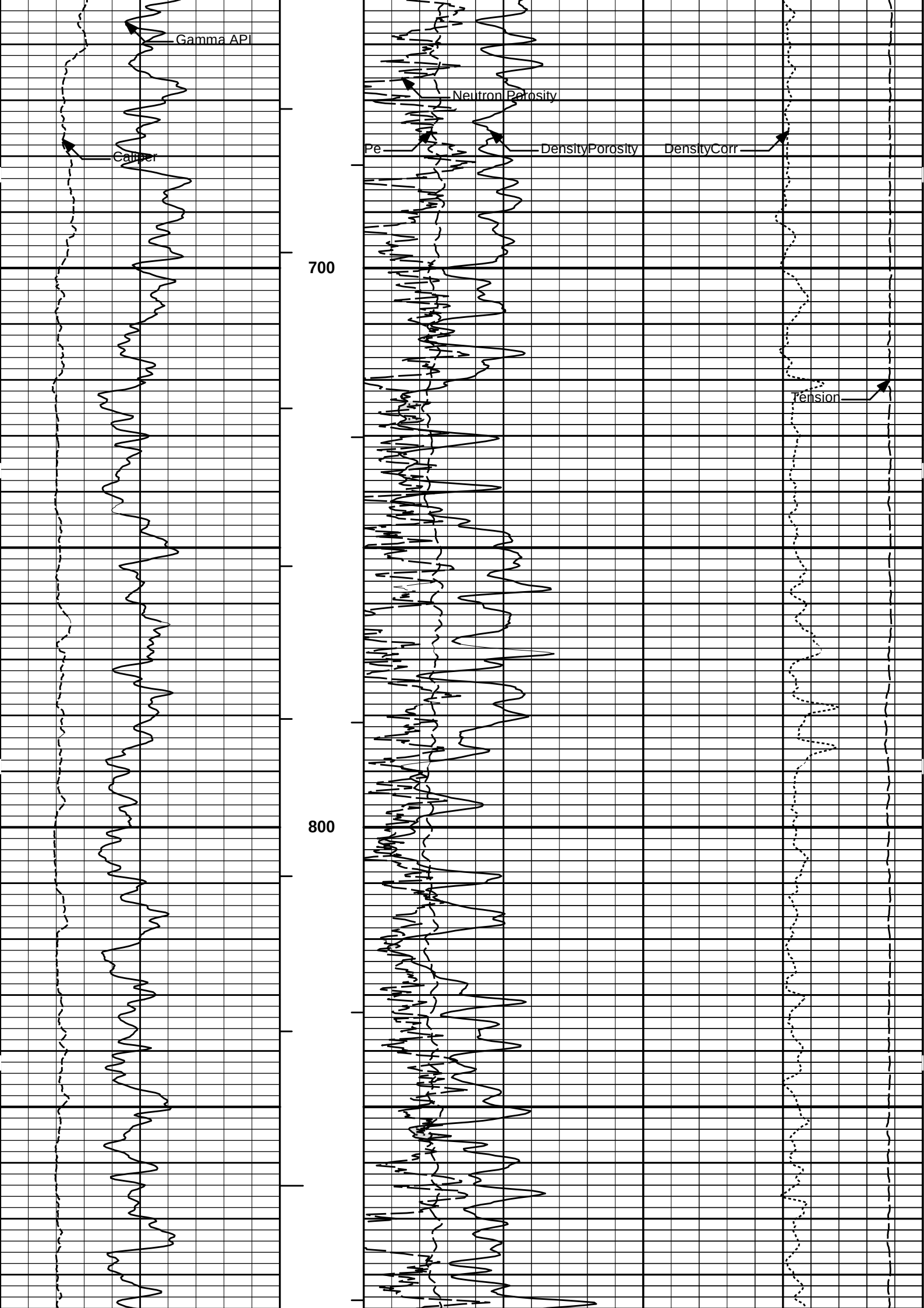
DUAL SPACED NEUTRON SPECTRAL DENSITY LOG

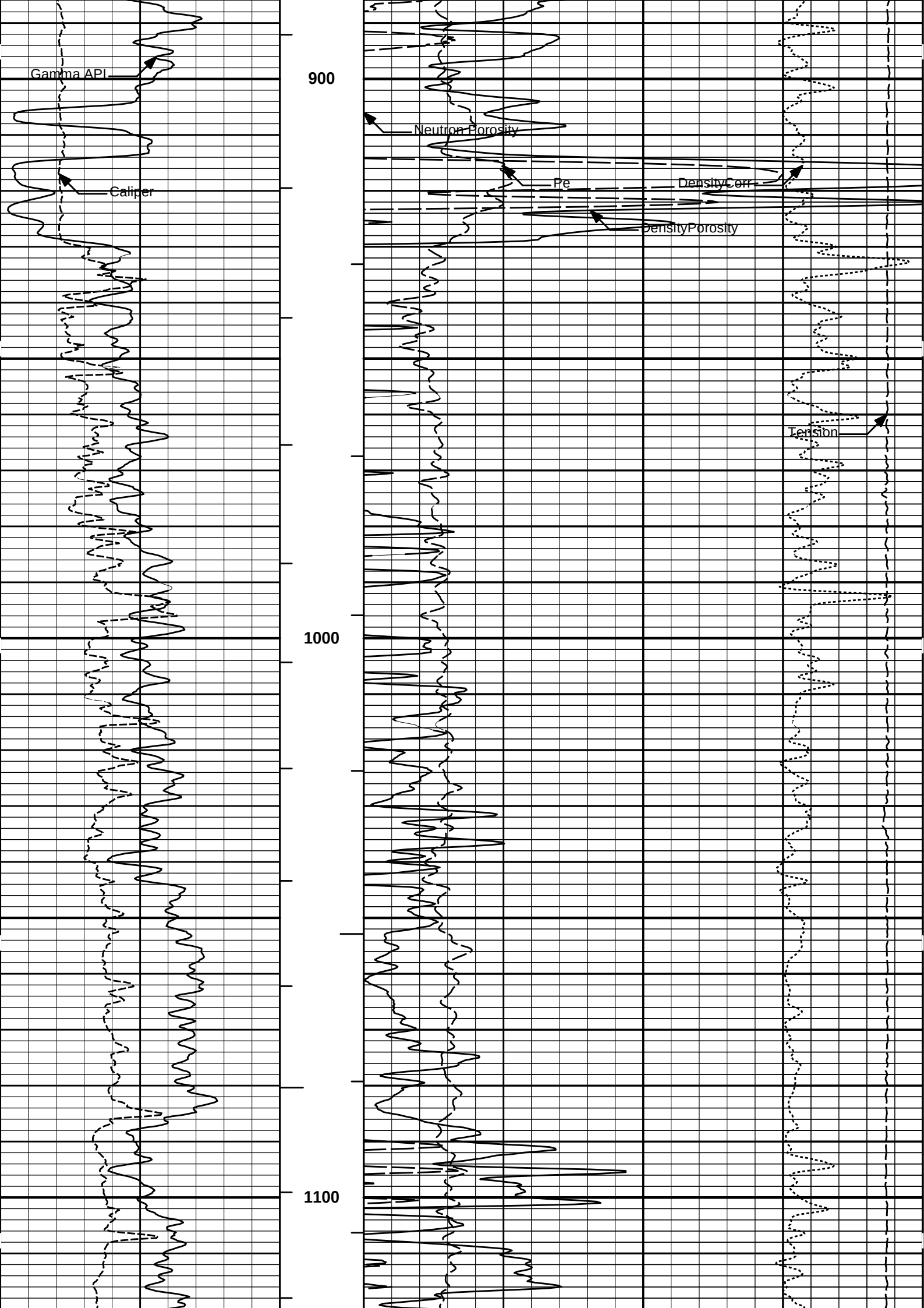
CMX INC MONEY SHOT #1-21 WILDCAT PRATT KANSAS				COMPANY CMX INC WELL MONEY SHOT #1-21 FIELD/BLOCK WILDCAT COUNTY PRATT STATE KANSAS					
COMPANY		WELL		FIELD/BLOCK		COUNTY		STATE	
Permanent Datum		Log measured from		Drilling measured from		Date			
Well		Field/Block		County		State			
Sect. 21		Twp. 27S		Rge. 14W		Elev. 1991.0 ft		Elev.: K.B. 2004.0 ft	
GL		KB		KB		13.0 ft above perm. Datum		D.F. 2002.0 ft	
KB								G.L. 1991.0 ft	
ONE									
4780.0 ft									
4774.0 ft									
4752.00 ft									
391.00 ft									
8.625 in		@ 395.0 ft				@			
391.0 ft									
7.875 in				@				@	
Water Based Mud									
9.3 ppg		43.00 s/qt							
9.20 pH		9.6 cpm							
MUDPIT									
0.47 ohmm		@ 75.00 degF		@				@	
0.29 ohmm		@ 75.00 degF		@				@	
0.62 ohmm		@ 75.00 degF		@				@	
MEASURED		MEASURED							
0.28 ohmm		@ 129.0 degF		@				@	
5.0 hr									
12-May-16 23:30				@				@	
12156883		EL RENO							
JORGE ORLANDO PEREZ									
KENLEBLANC									

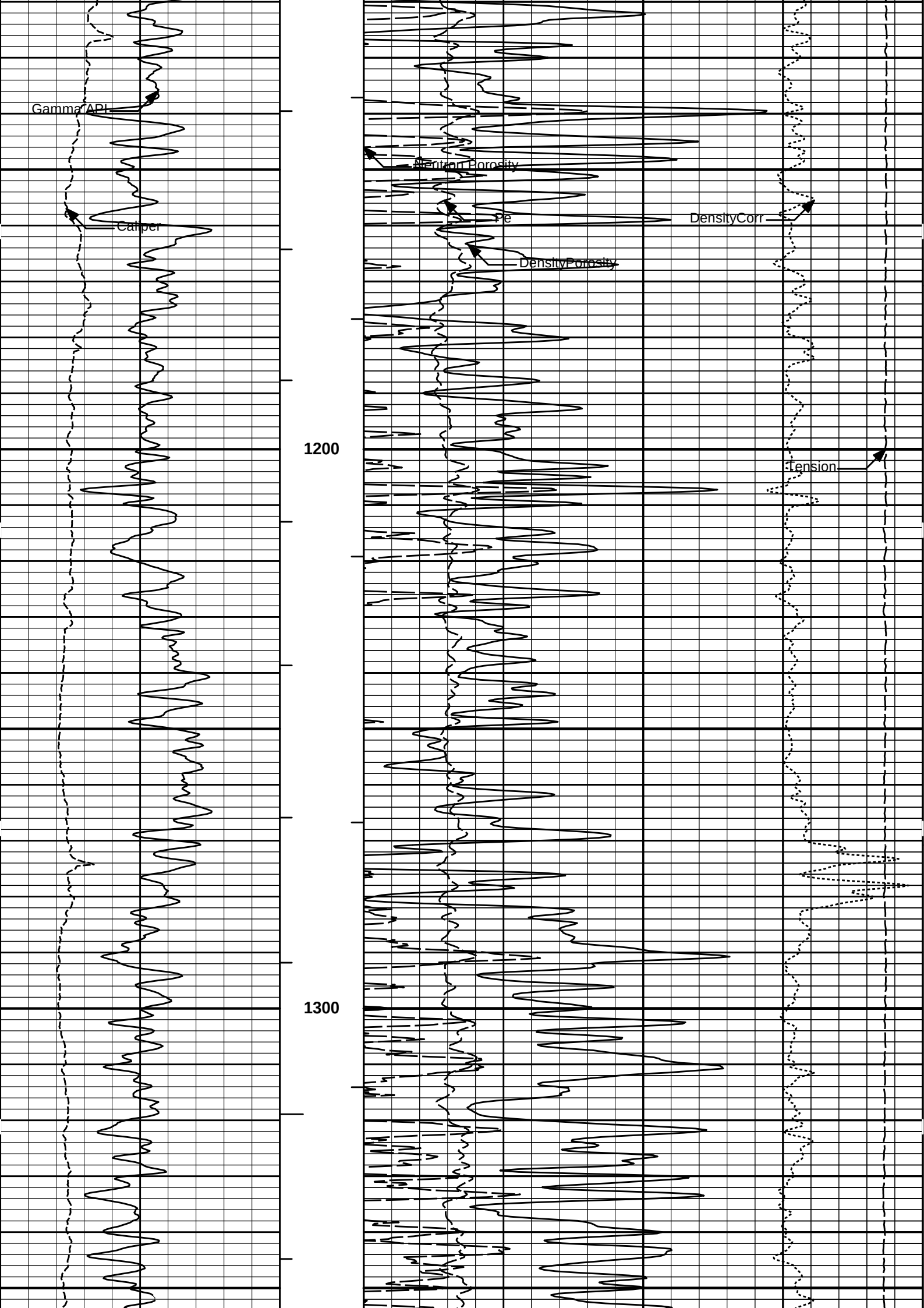
Service Ticket No.: 903288515						API No.: 15-151-22450-00-00						PGM Version: WL INSITE R5.0.0 (Build 4)																	
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE												RESISTIVITY SCALE CHANGES																	
Date		Sample No.										Type Log		Depth		Scale Up Hole			Scale Down Hole										
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-11055059															
Source Rmf		Rmc										S-11038385																	
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.		11021139		Serial No.		11014316		Serial No.		10951315		Serial No.		11019641															
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		EVEN		Log Type		GAM-GAM		Log Type		NEU-NEU															
Type		SCINT						Source Type		CS137		Source Type		AM241BE															
Length		8"		LSA [Y/N]				Serial No.		5577GW		Serial No.		DSN-424															
Distance to Source		N/A		FWDA [Y/N]				Strength		1.5 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		PEC		0		150		30		10		47.6 uSec/ft		30		10		2.71 gr/cc		30		10		LIME	

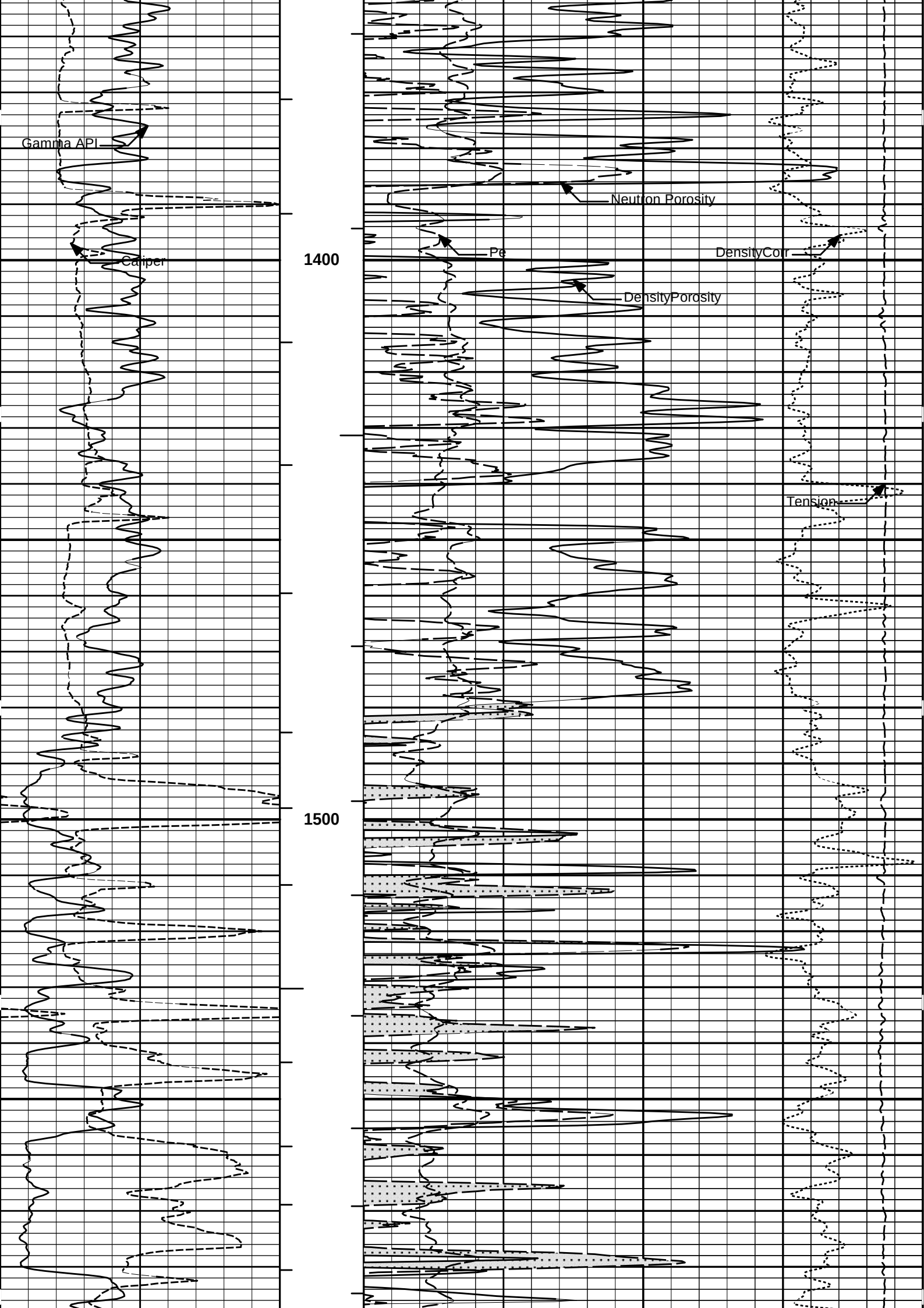


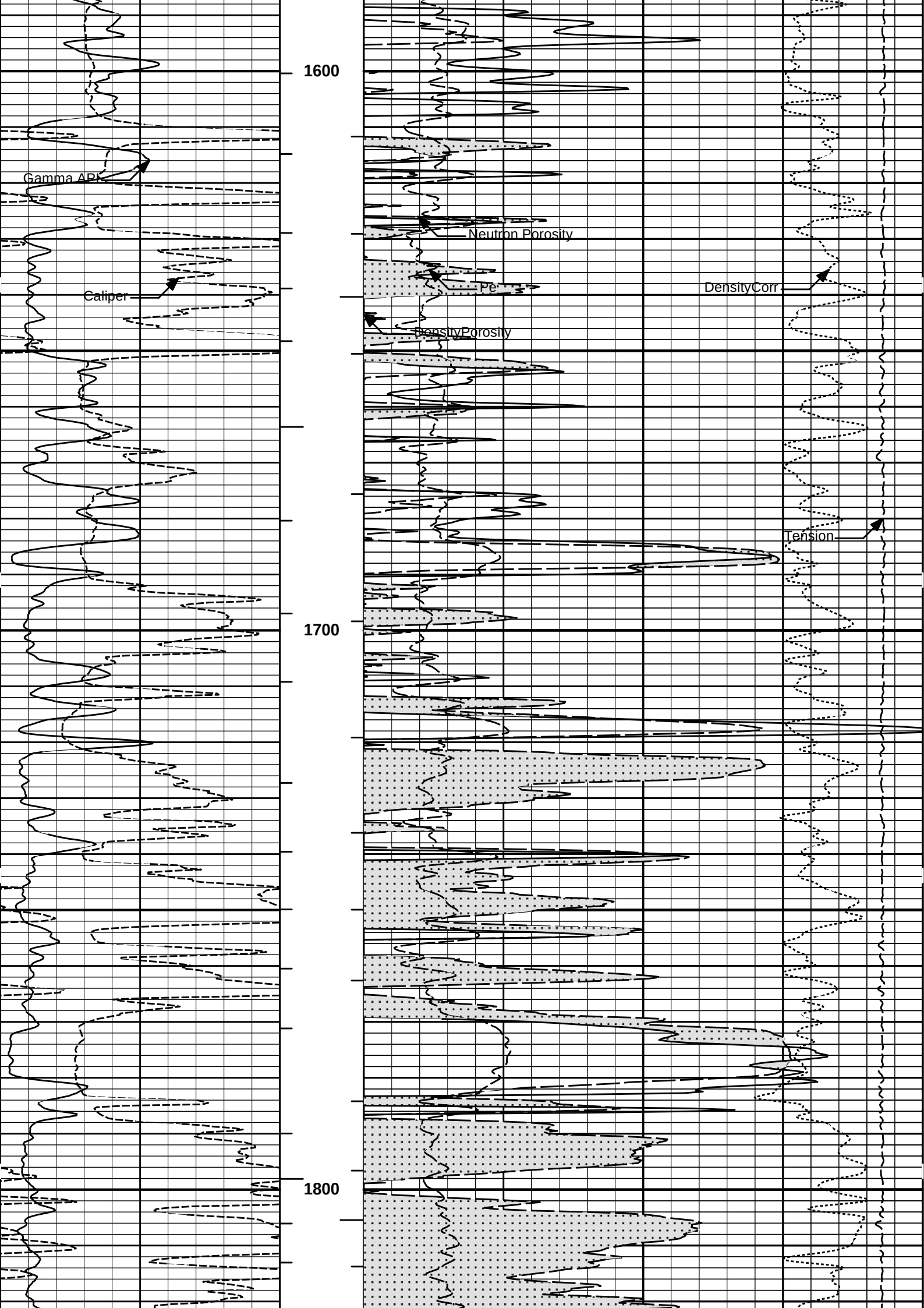


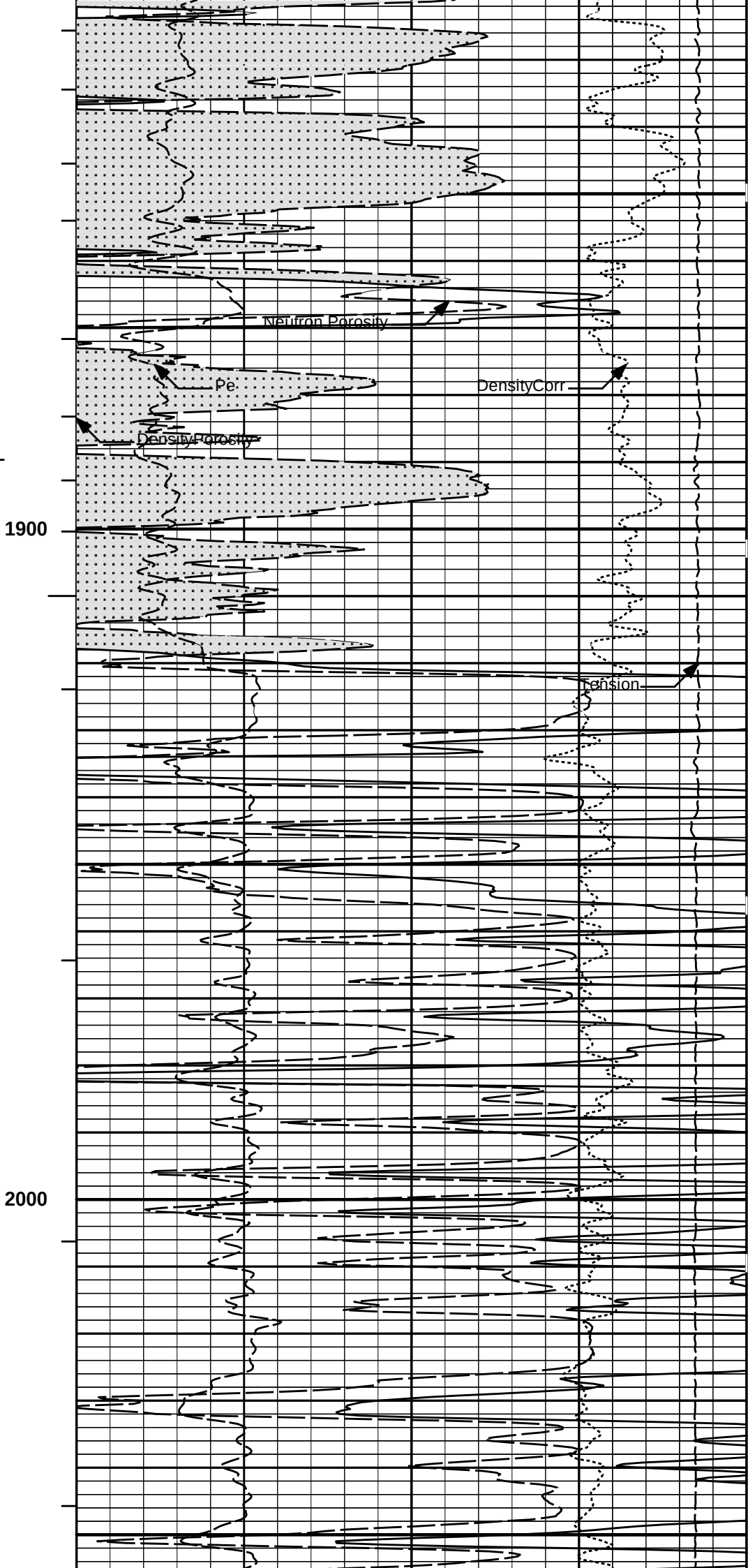
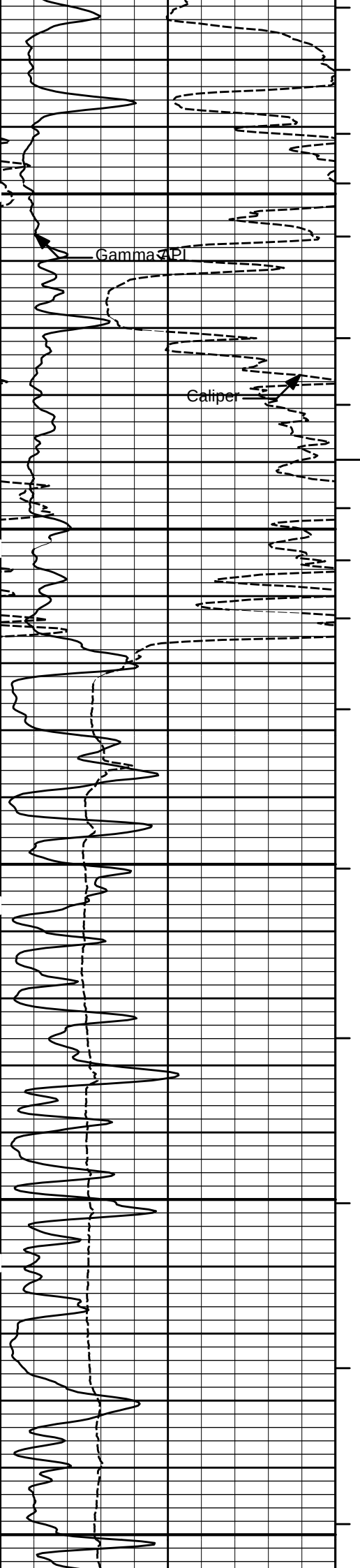


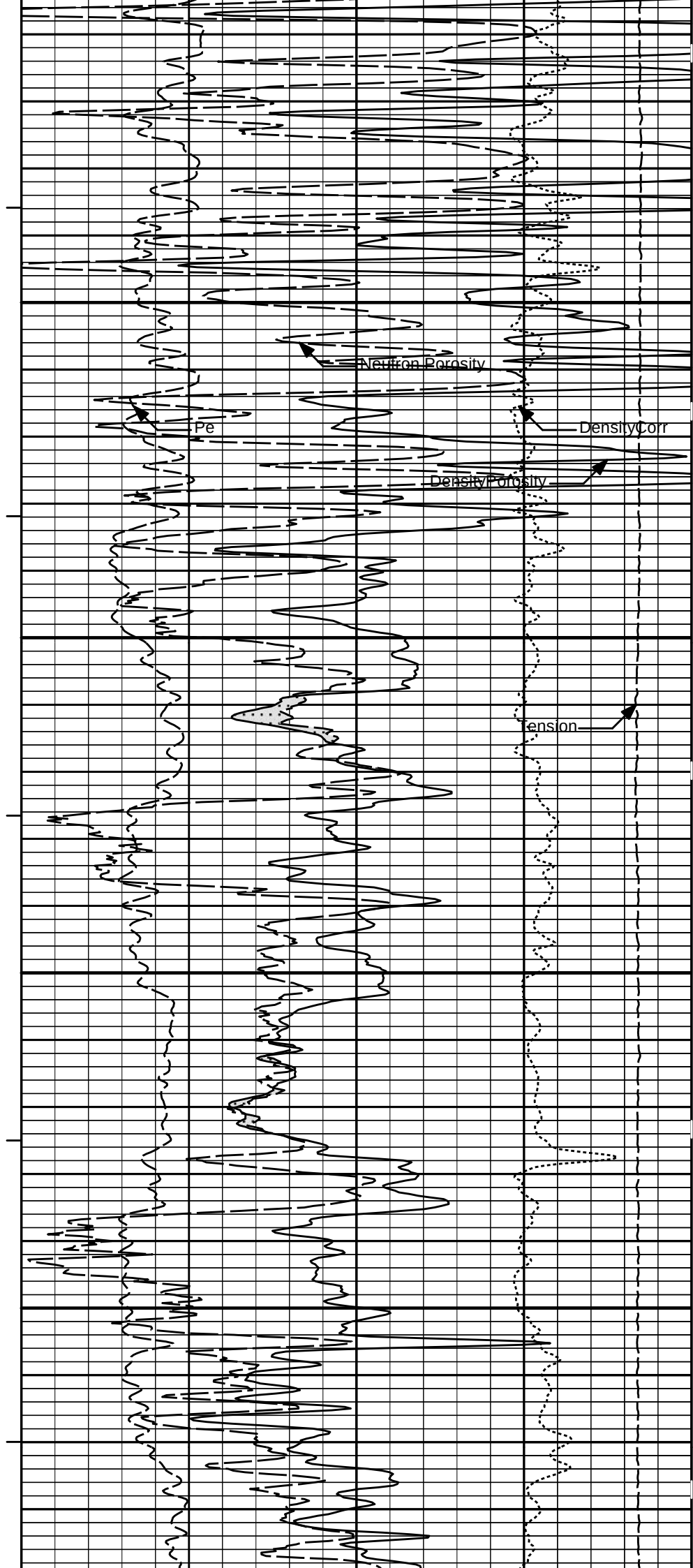
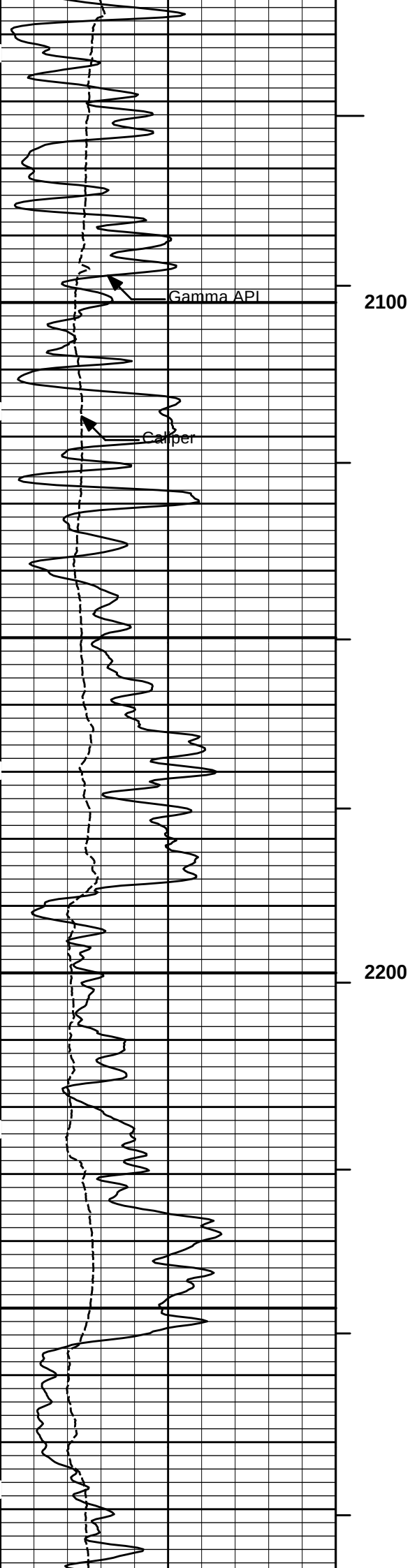


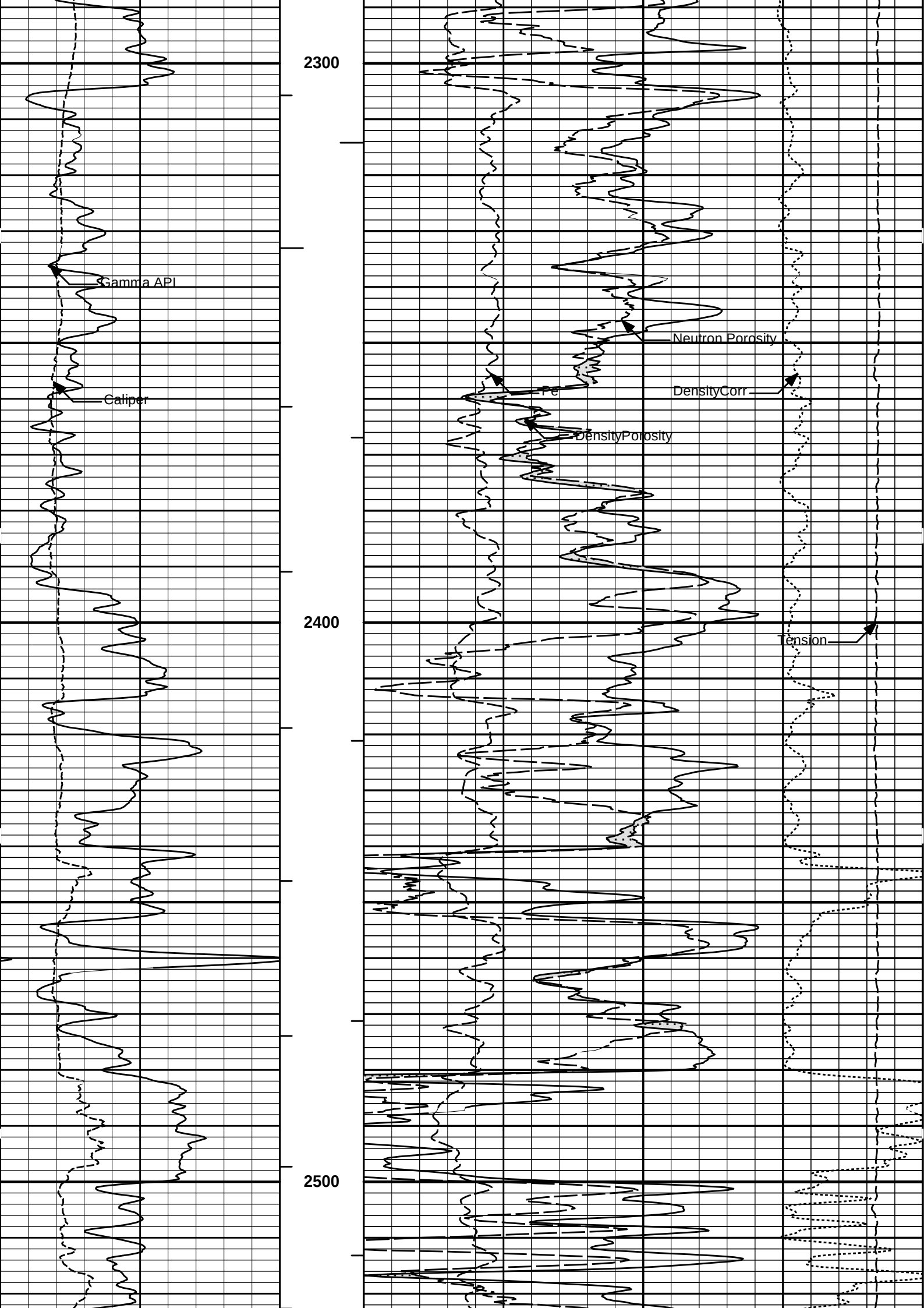


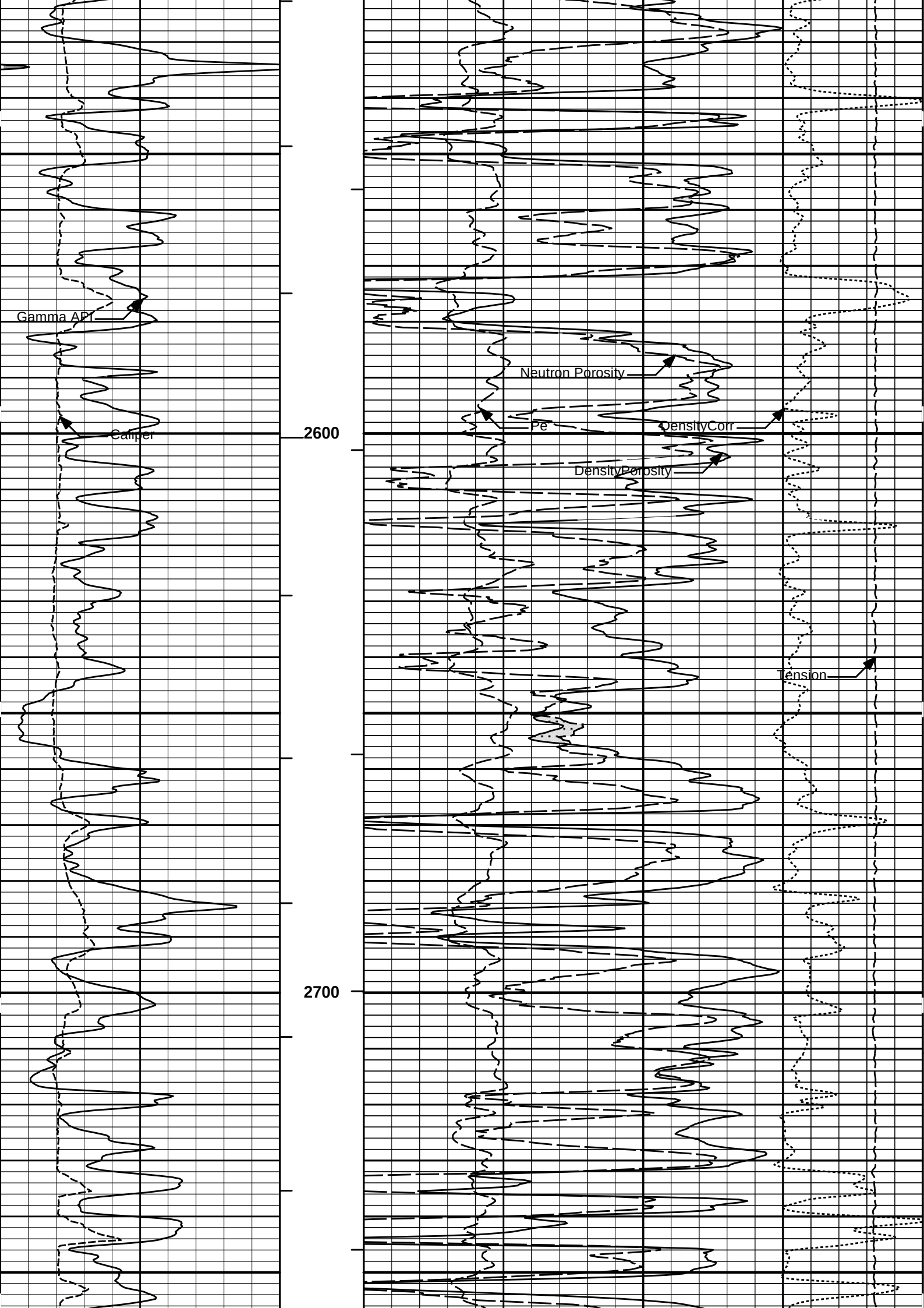


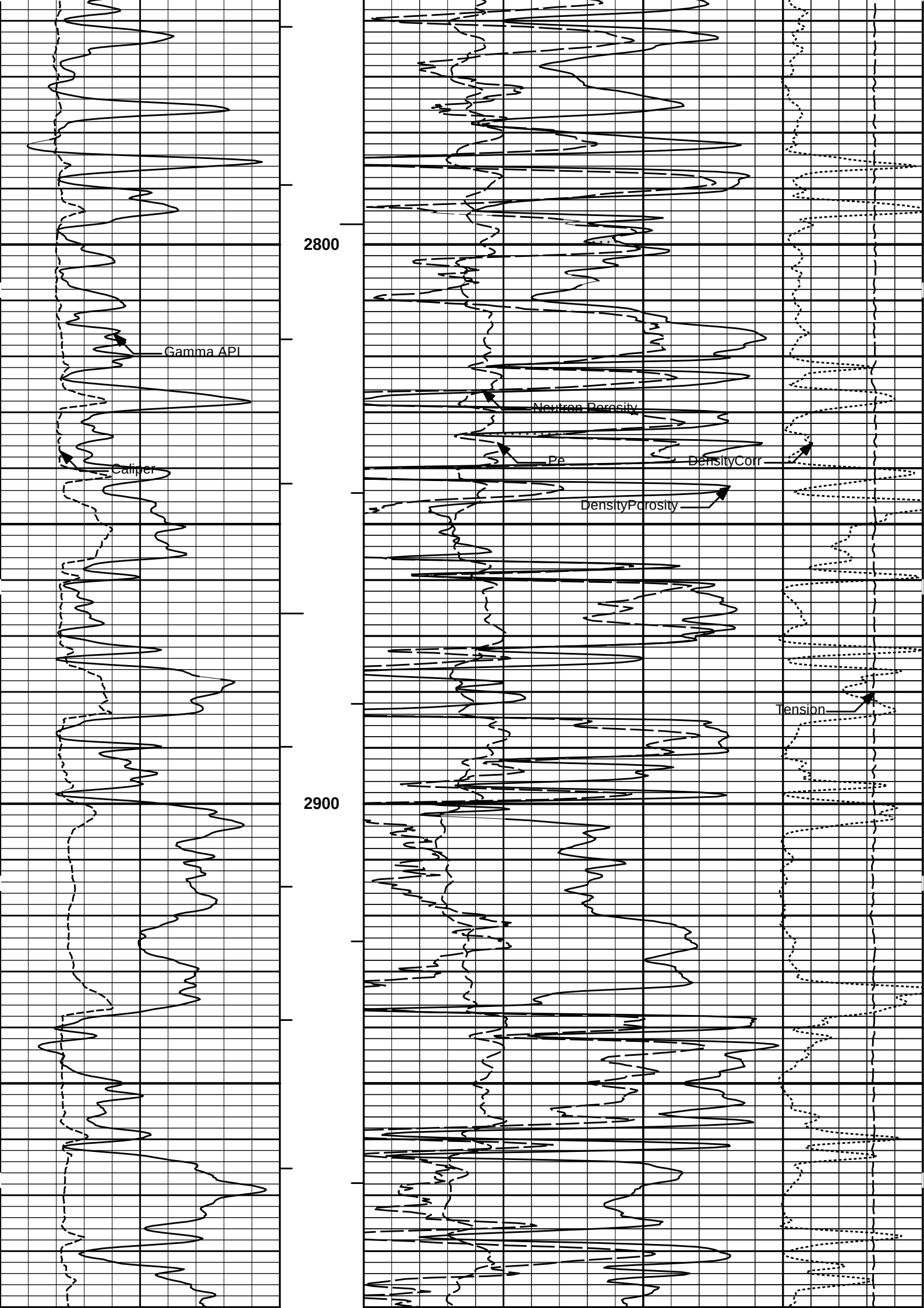


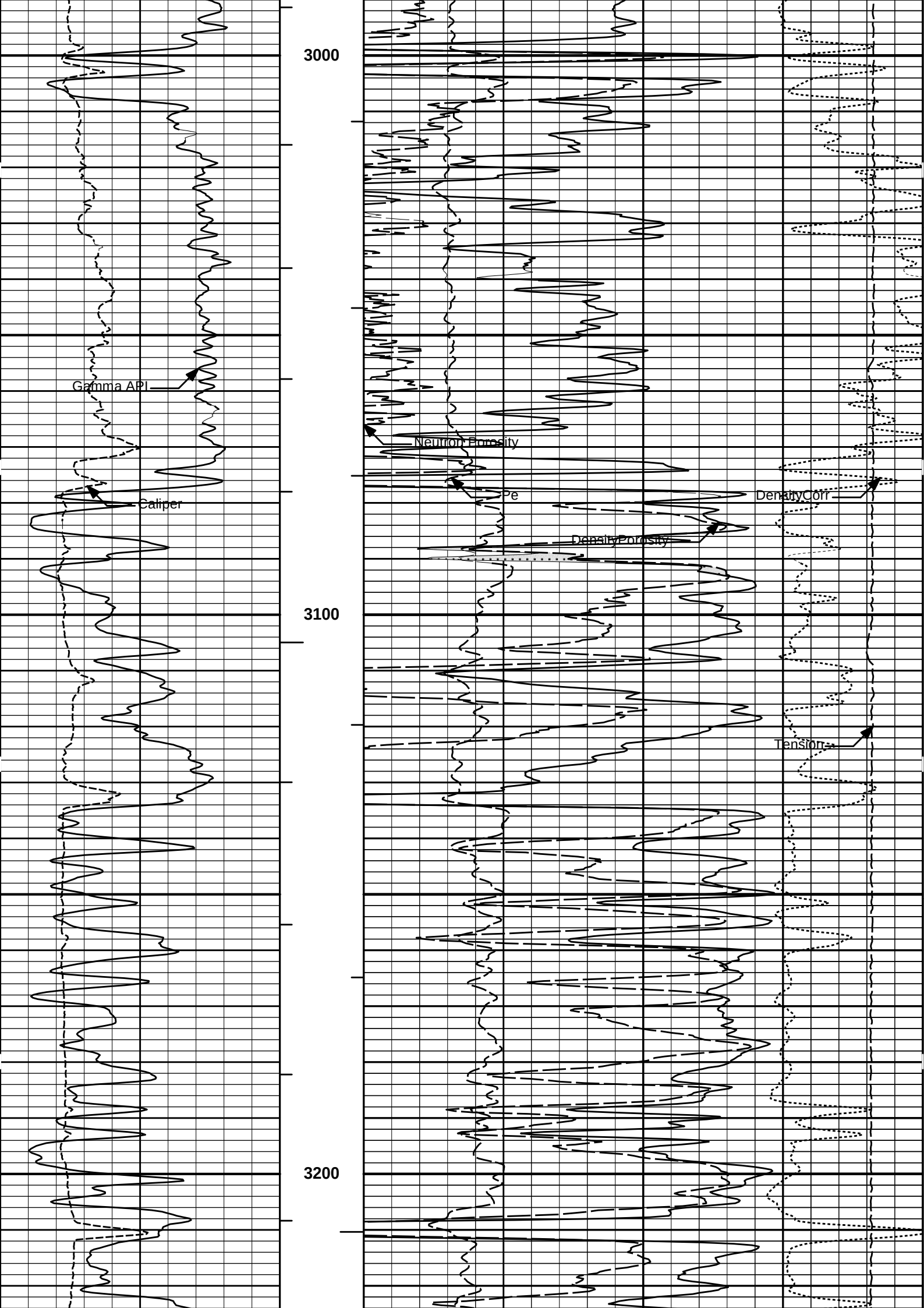


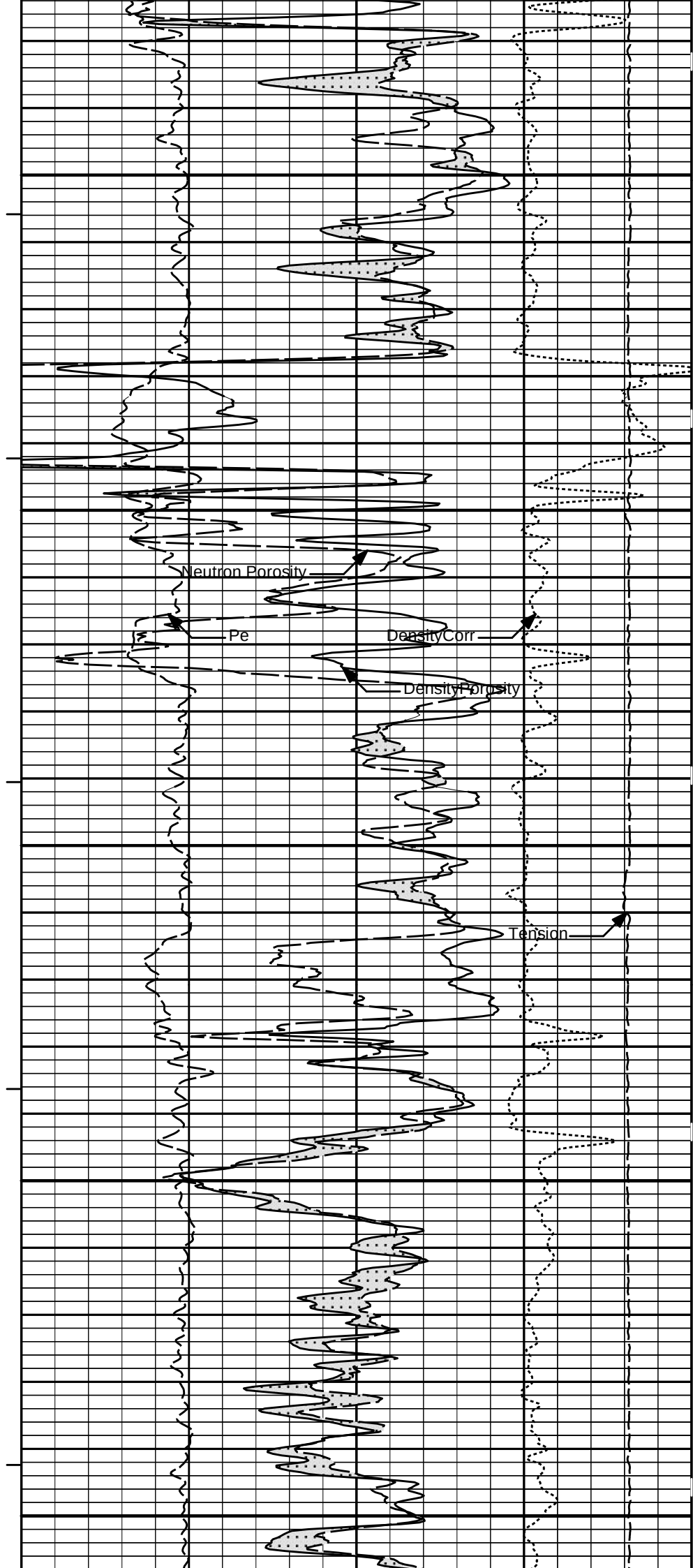
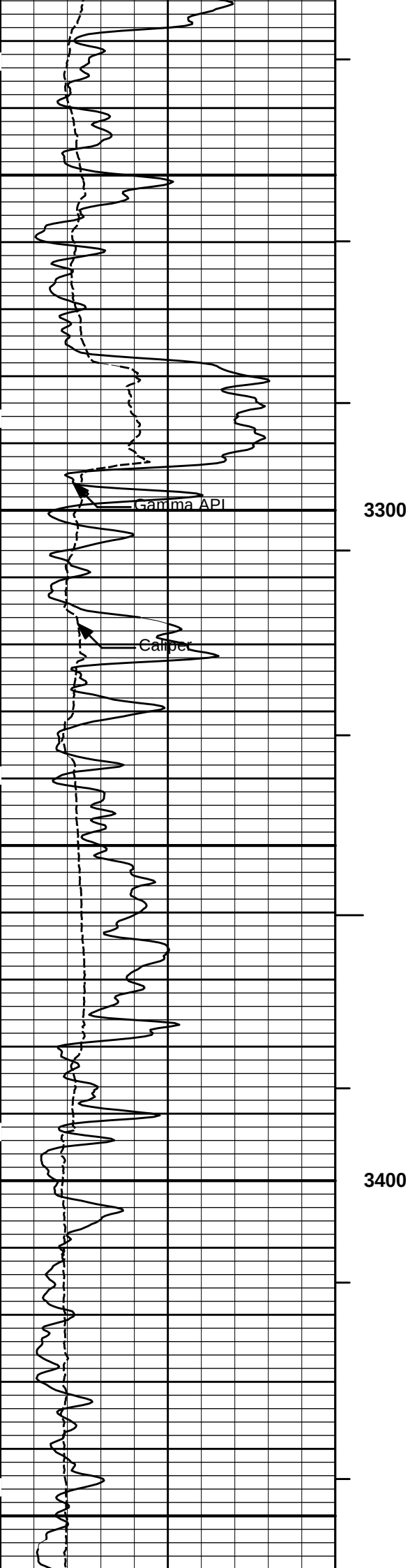


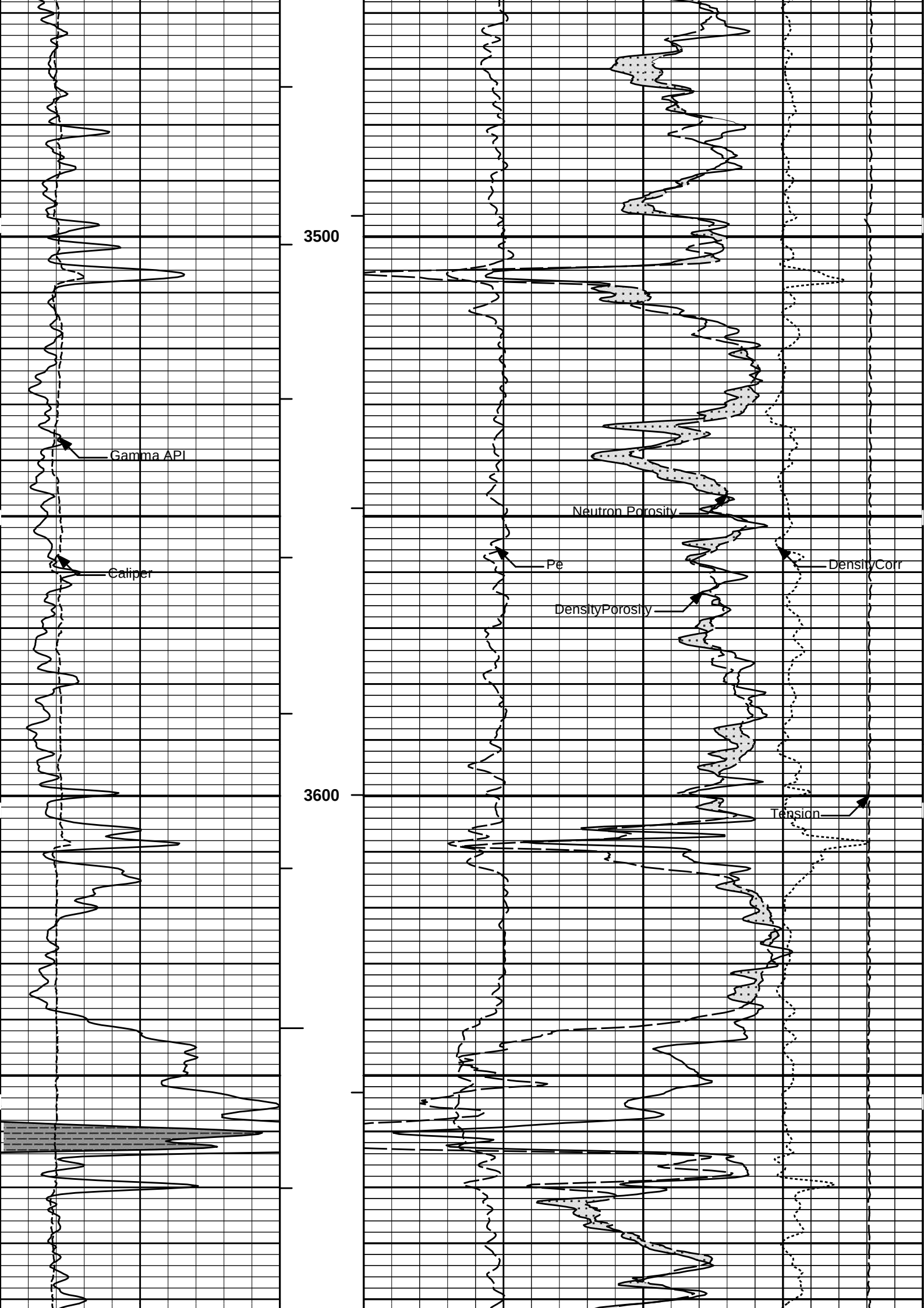


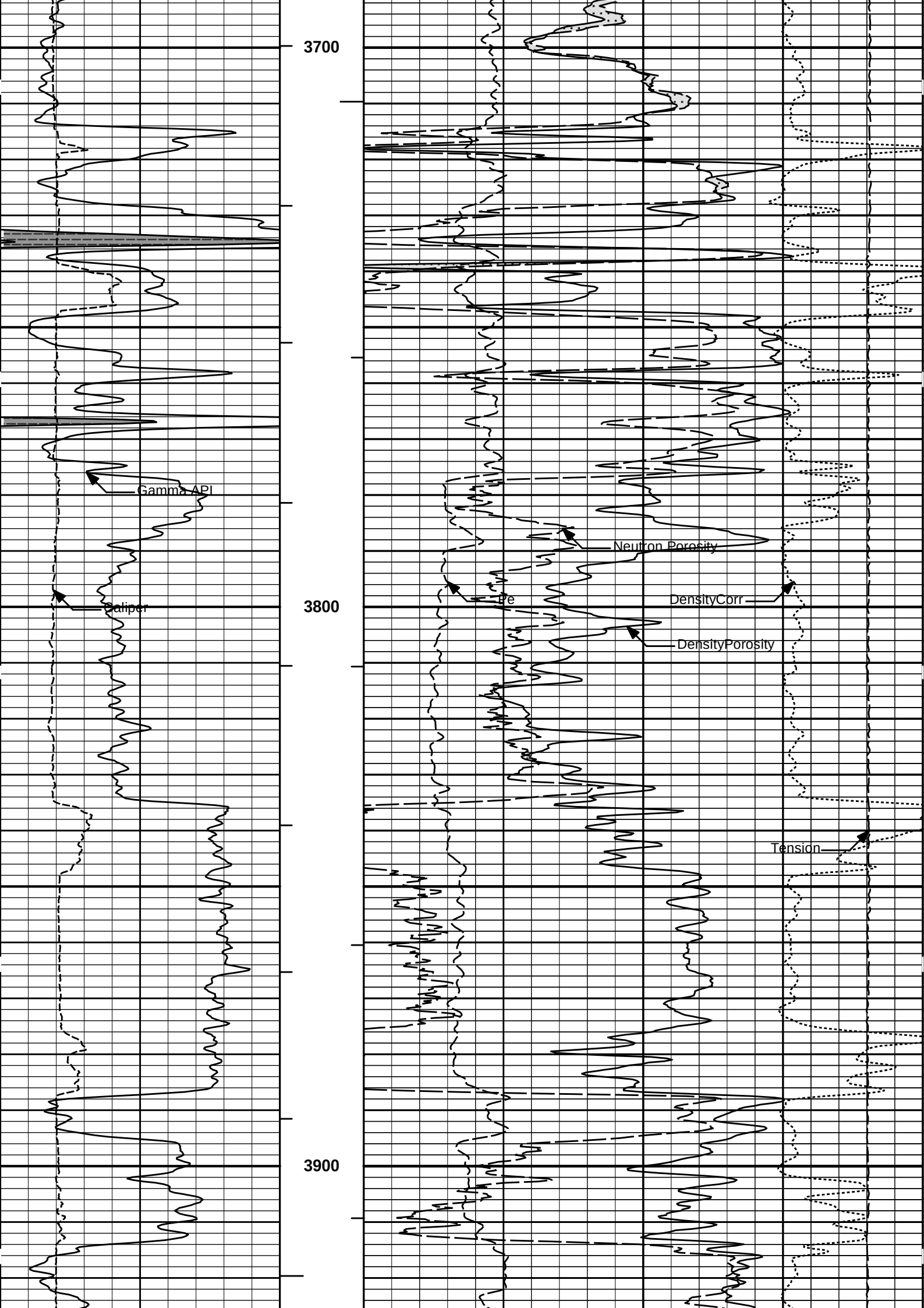


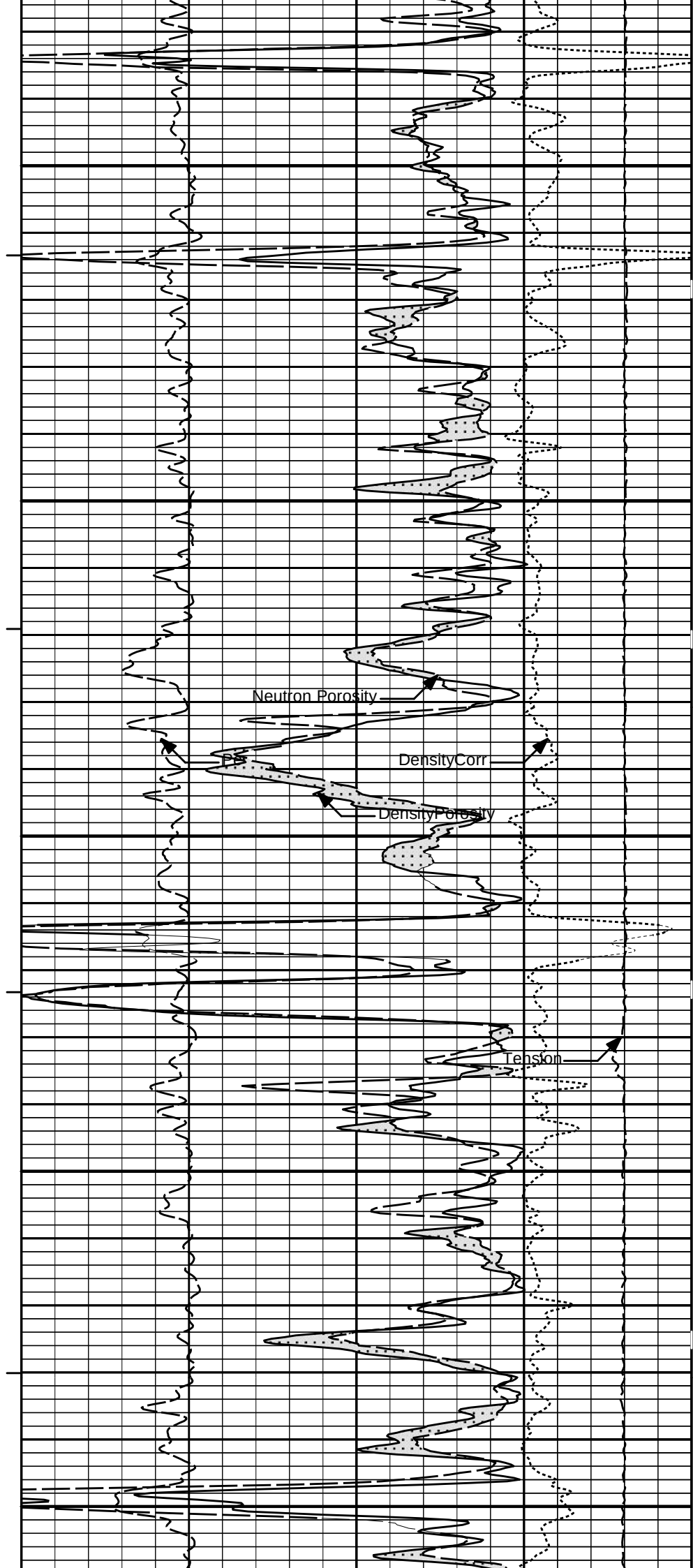
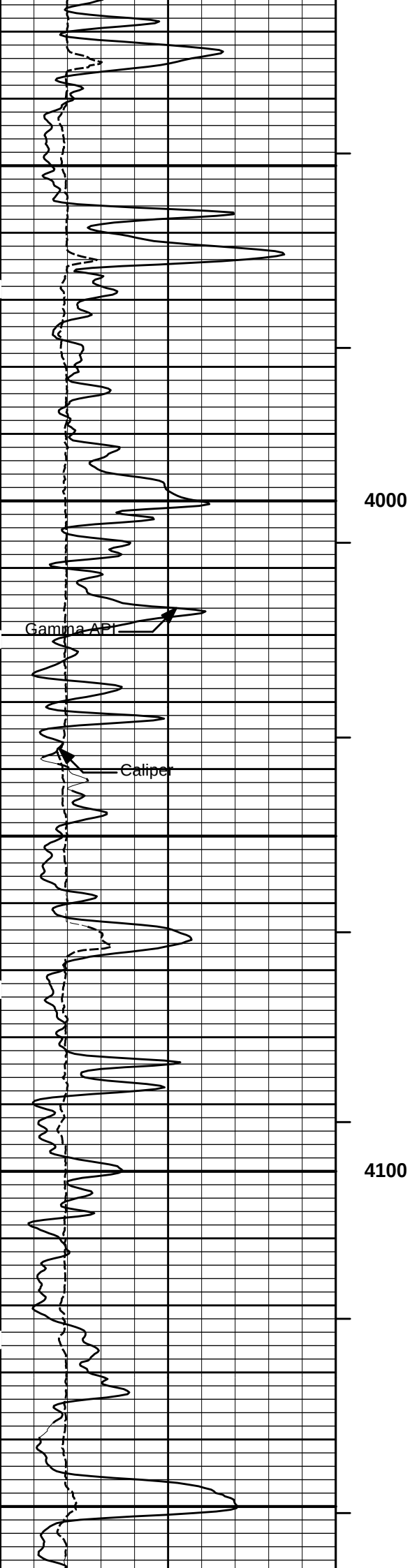


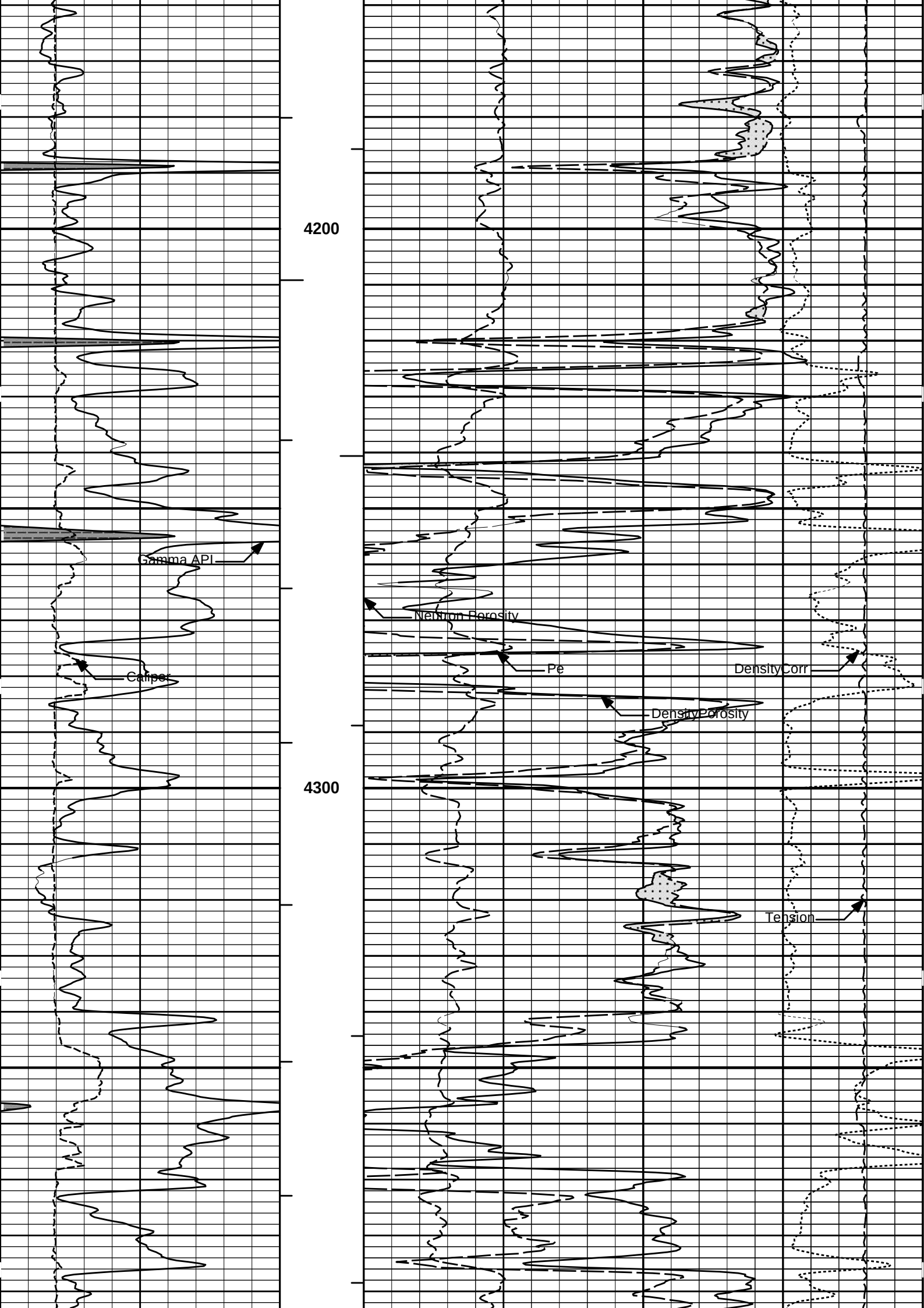


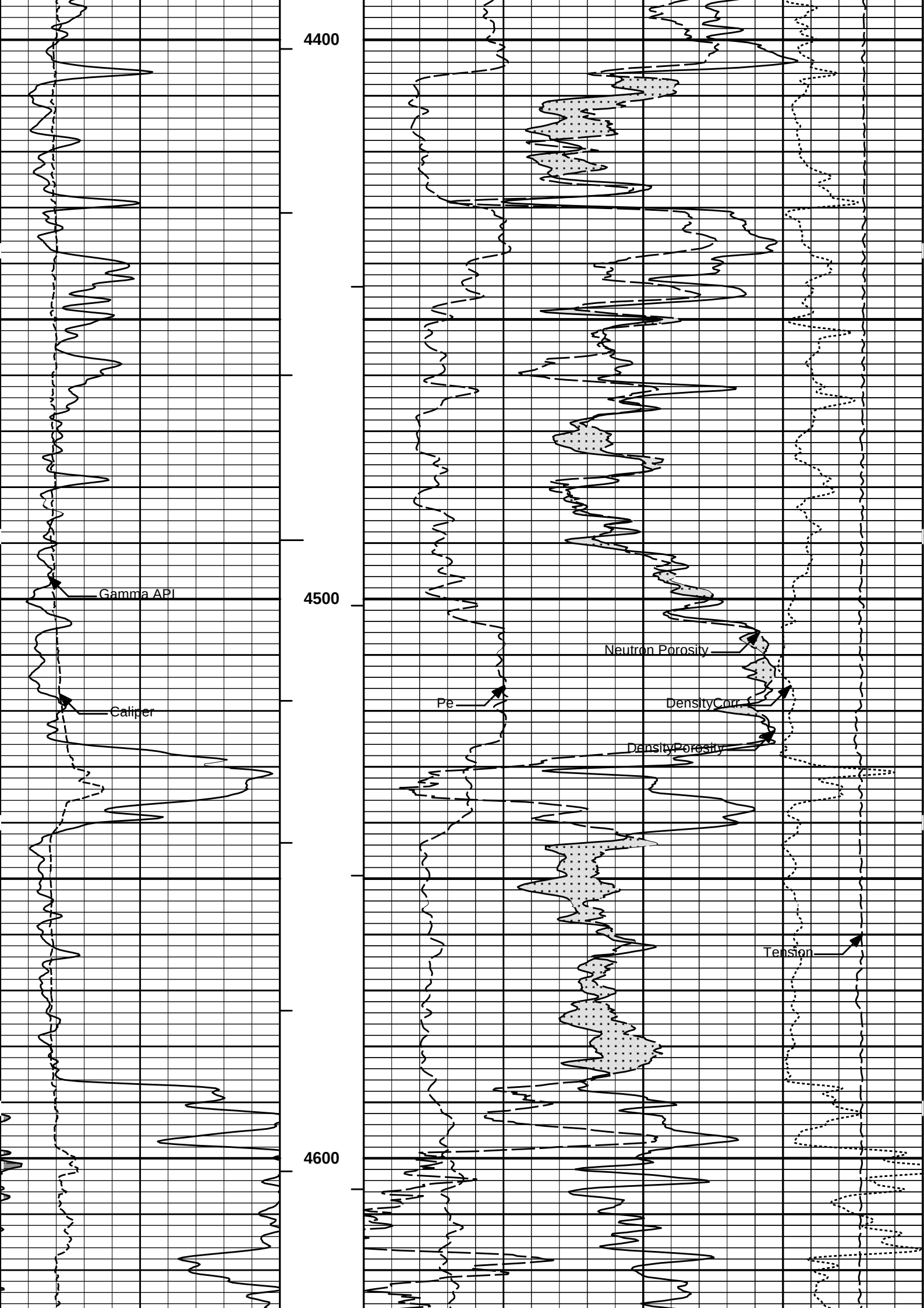


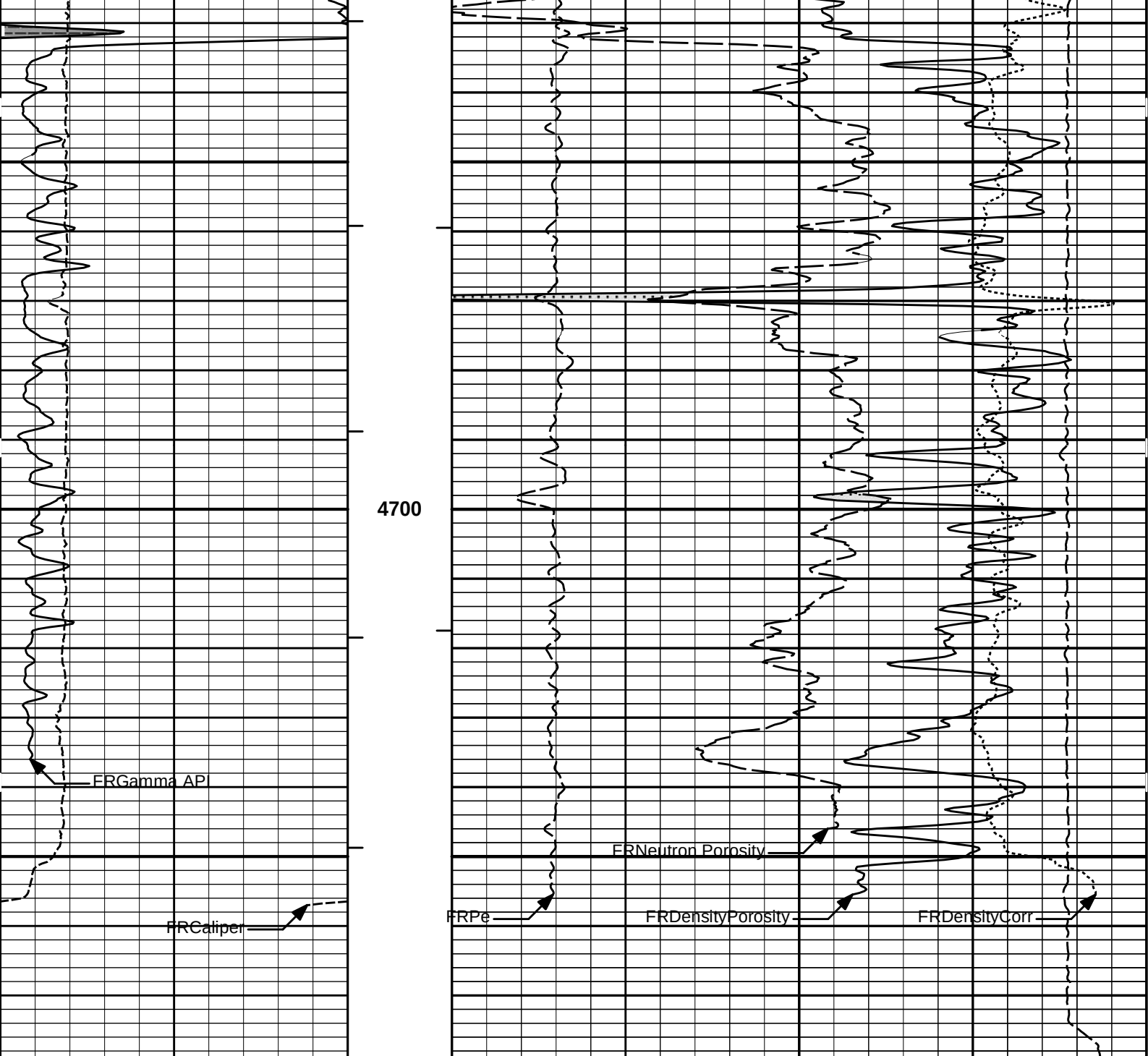












6	Caliper	16	MD	0	Pe	10	-0.25	DensityCorr	0.25
	inches		1 : 240					gram per cc	
0	Gamma API	150	AHVT				15K	Tension	0
	api							pounds	
	SHALE		BHVT	30	DensityPorosity			-10	
					%				
				30	Neutron Porosity			-10	
					%				
					CROSSOVER				

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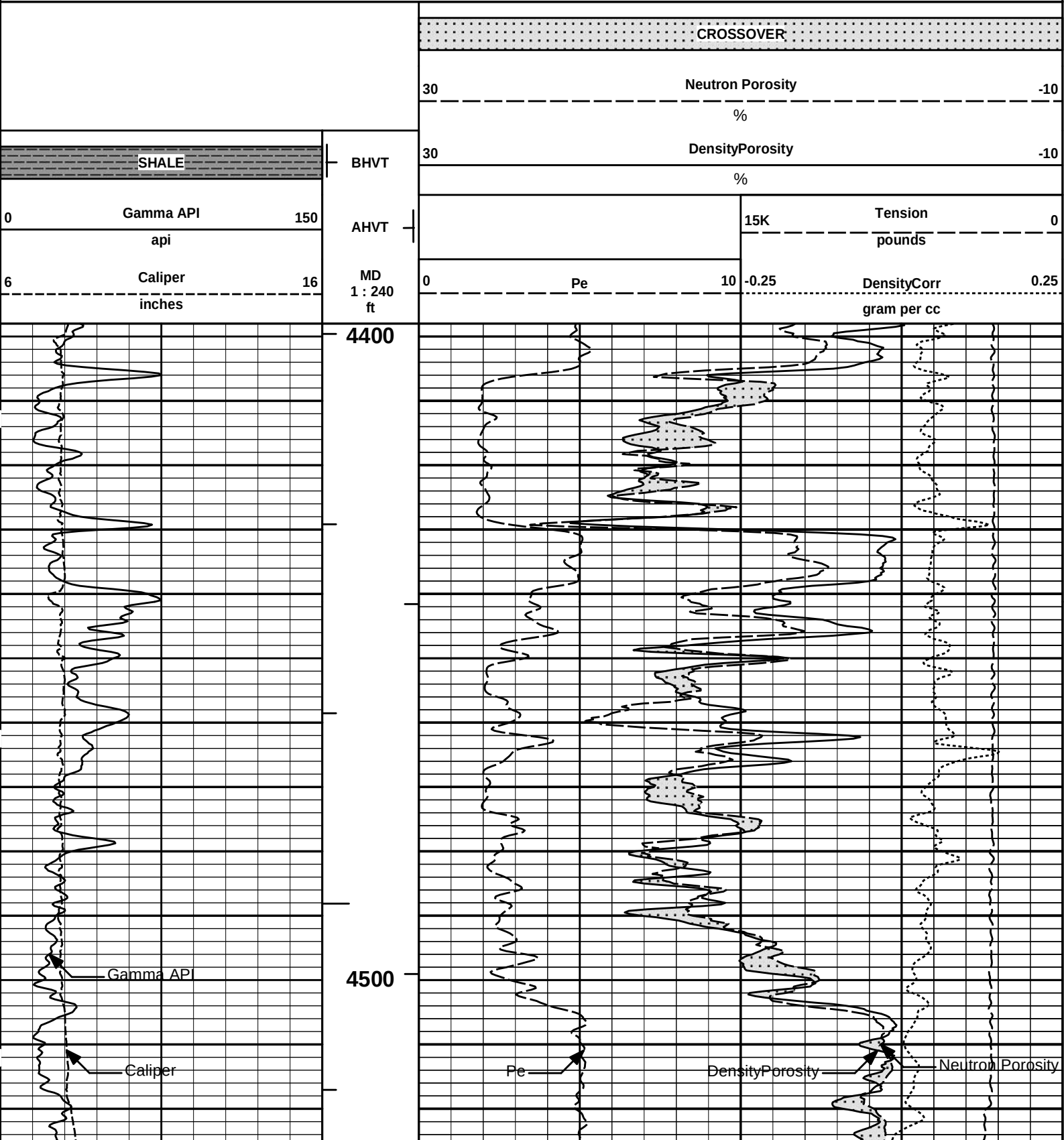
Plot Time: 13-May-16 01:34:00
Plot Range: 380 ft to 4779.25 ft
Data: MONEY-SHOT_1-21\Well Based\MAIN\
Plot File: \\POROSITY\Porosity_Q_5_MAIN_LIB

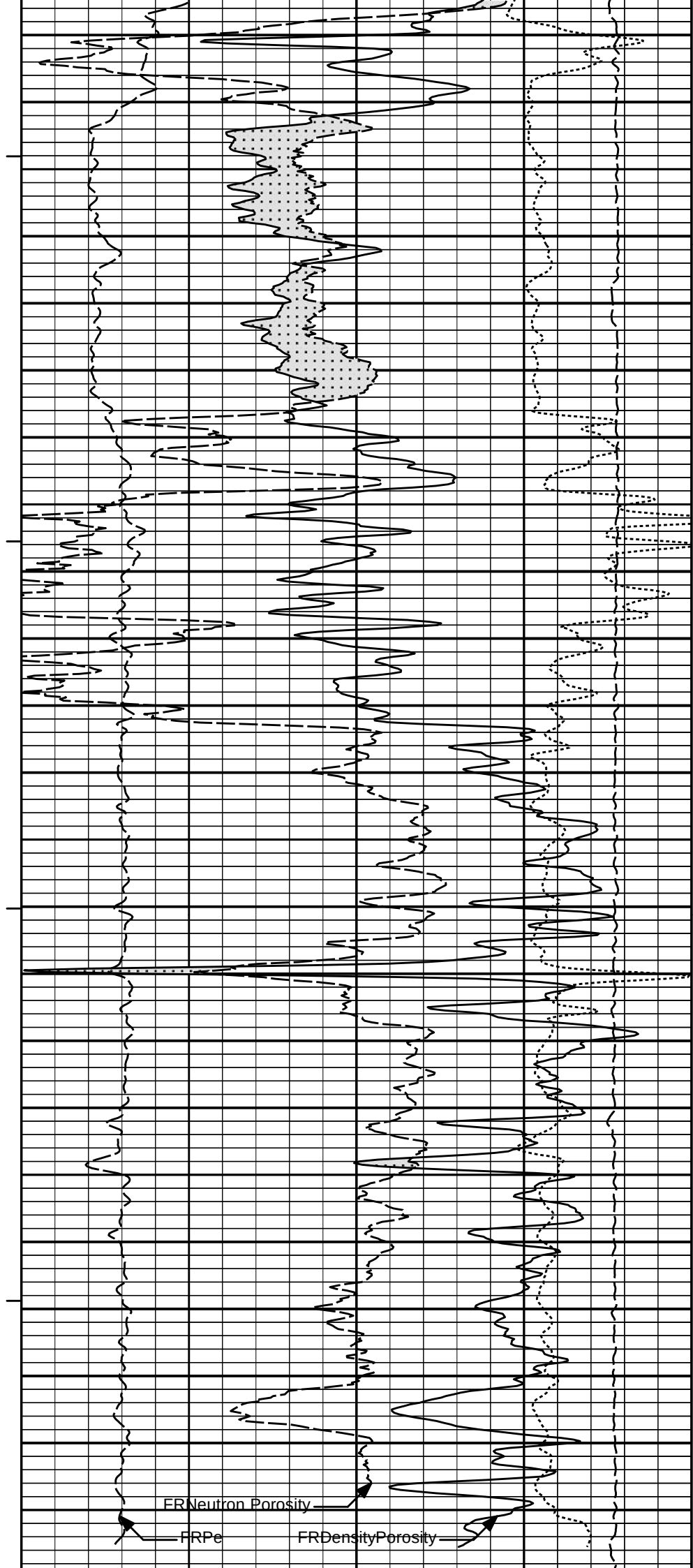
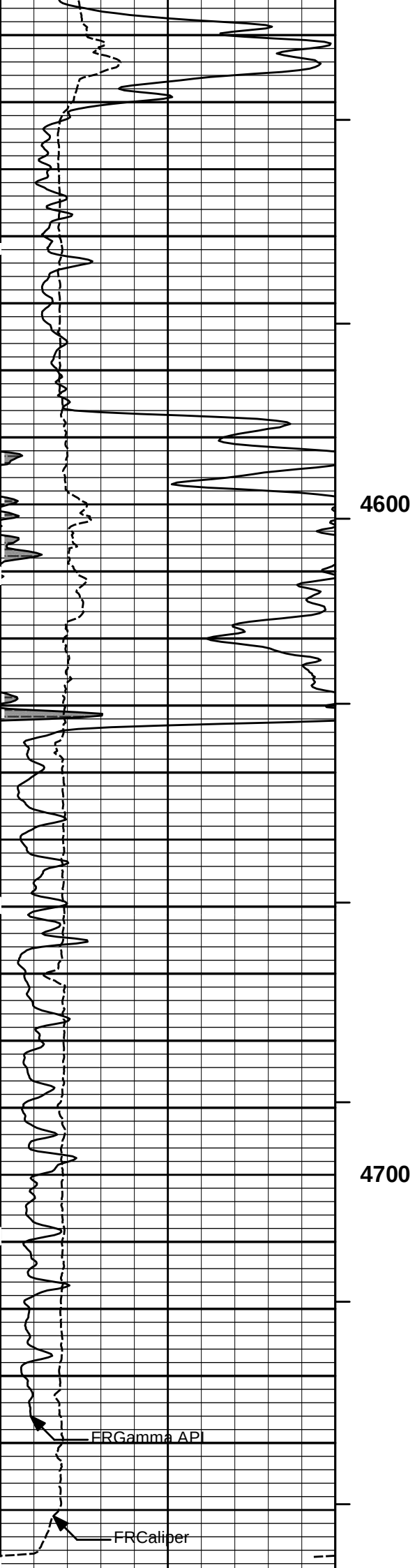
5 INCH MAIN LOG

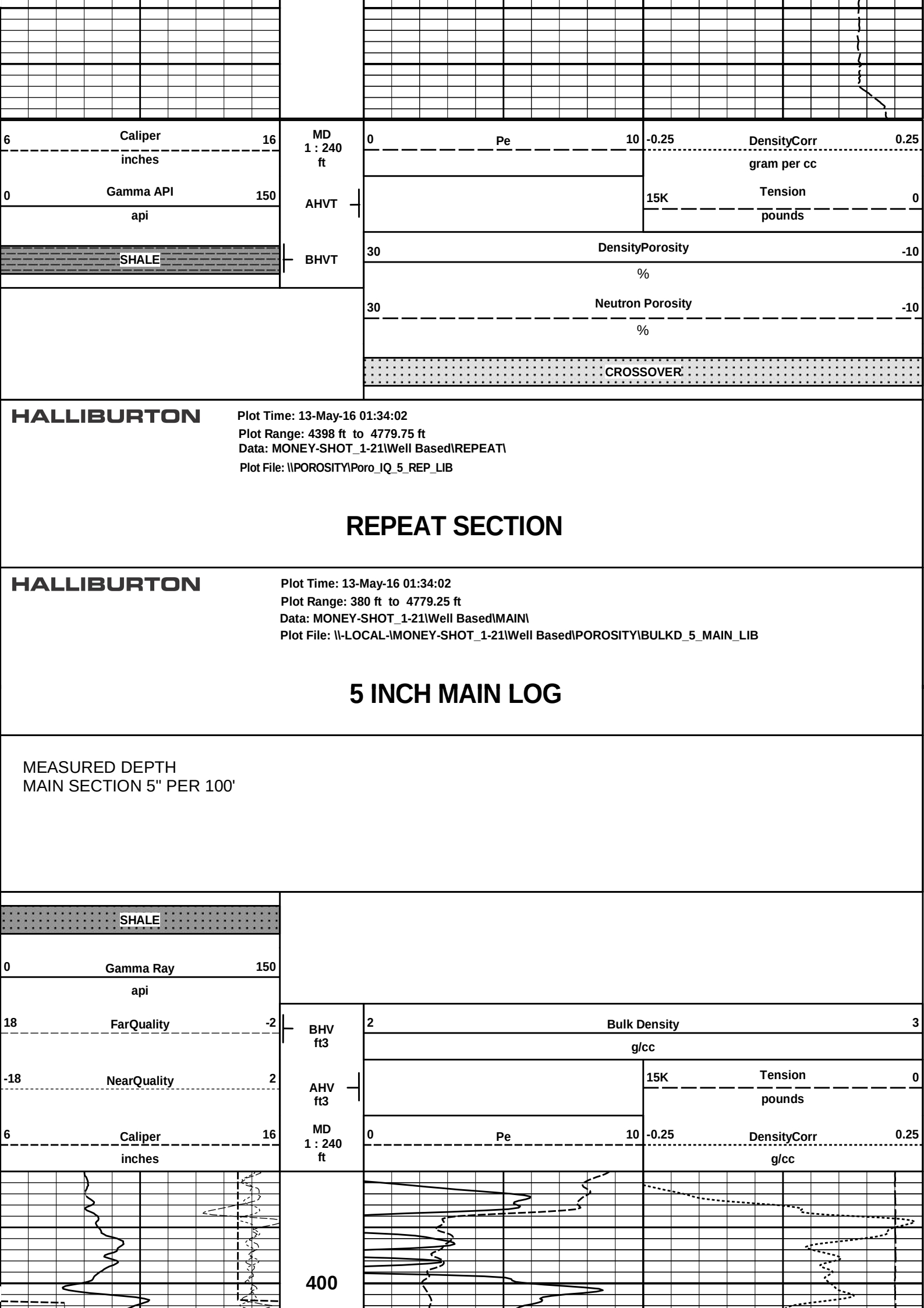
HALLIBURTON

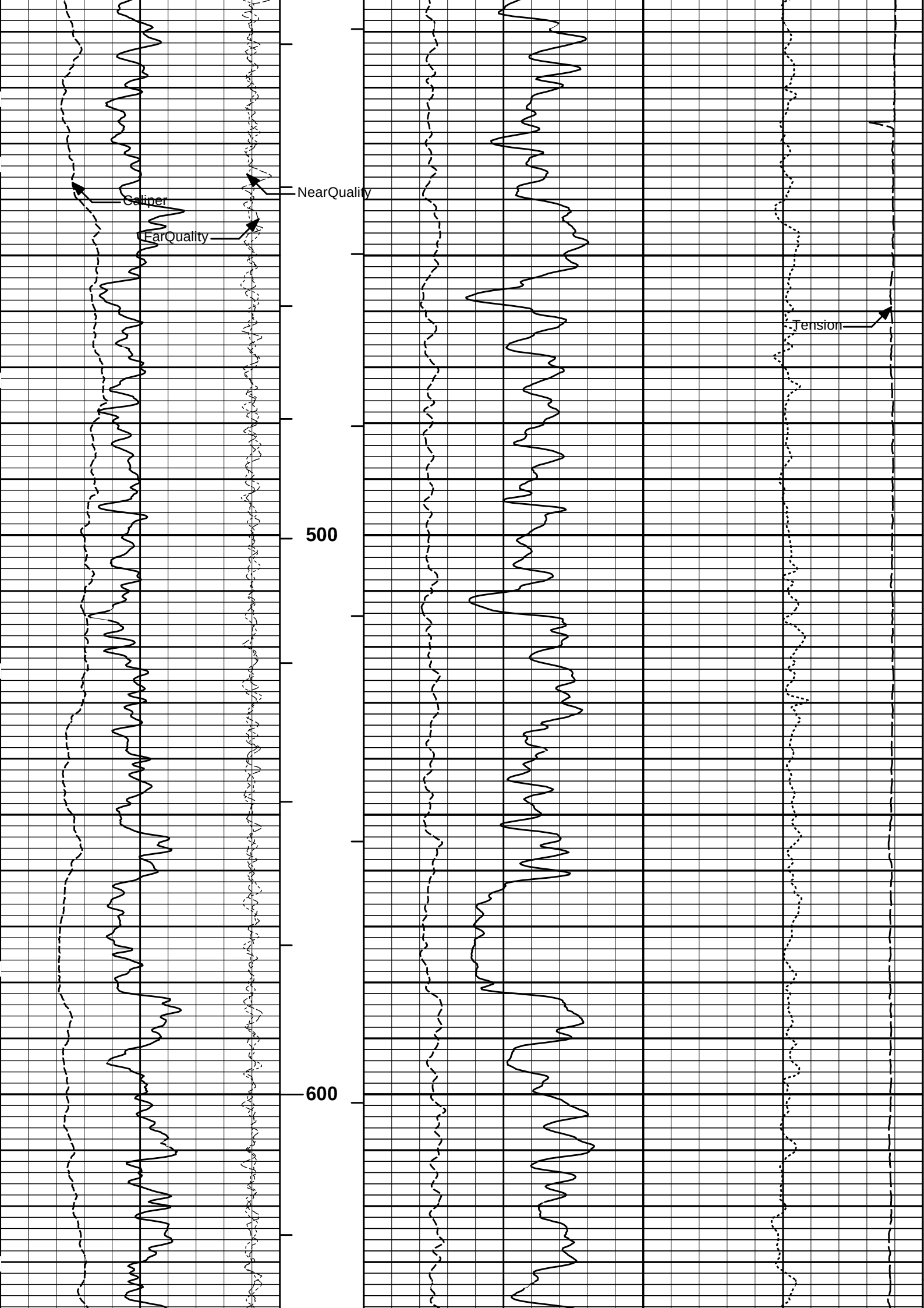
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Data: MONEY-SHOT_1-21\Well Based\REPEAT\
Plot File: \\POROSITY\Porosity_Q_5_REP_LIB

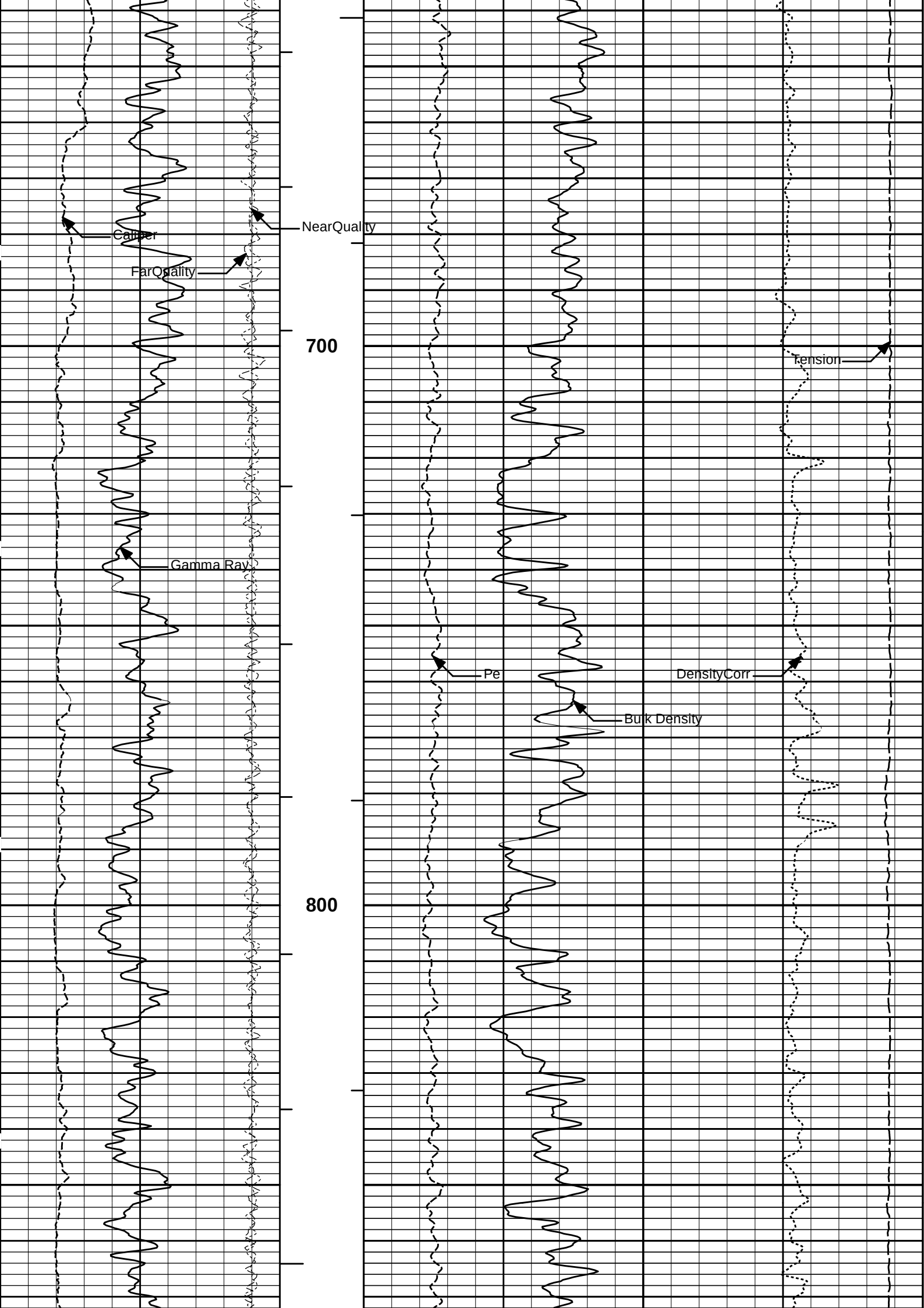
REPEAT SECTION

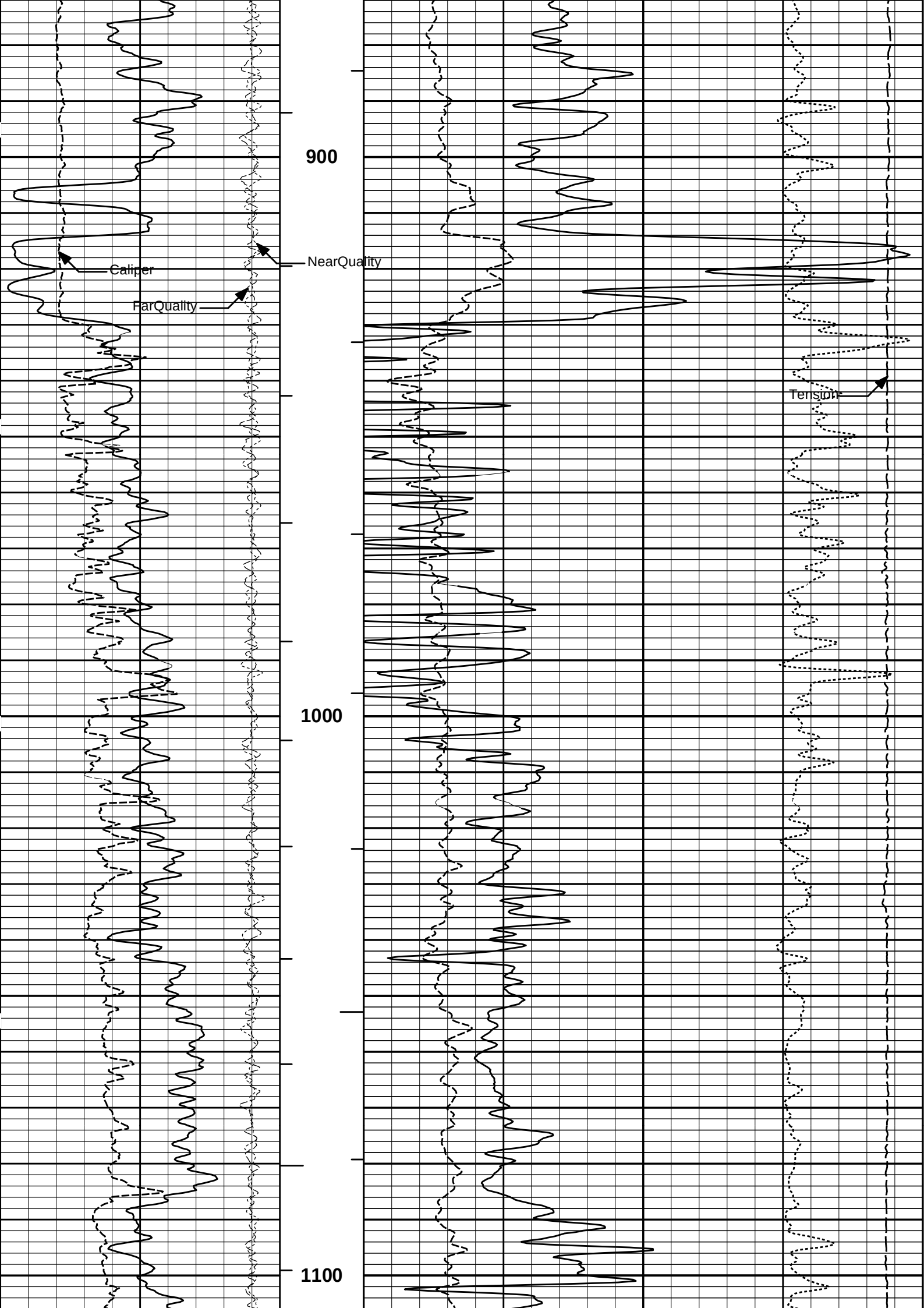


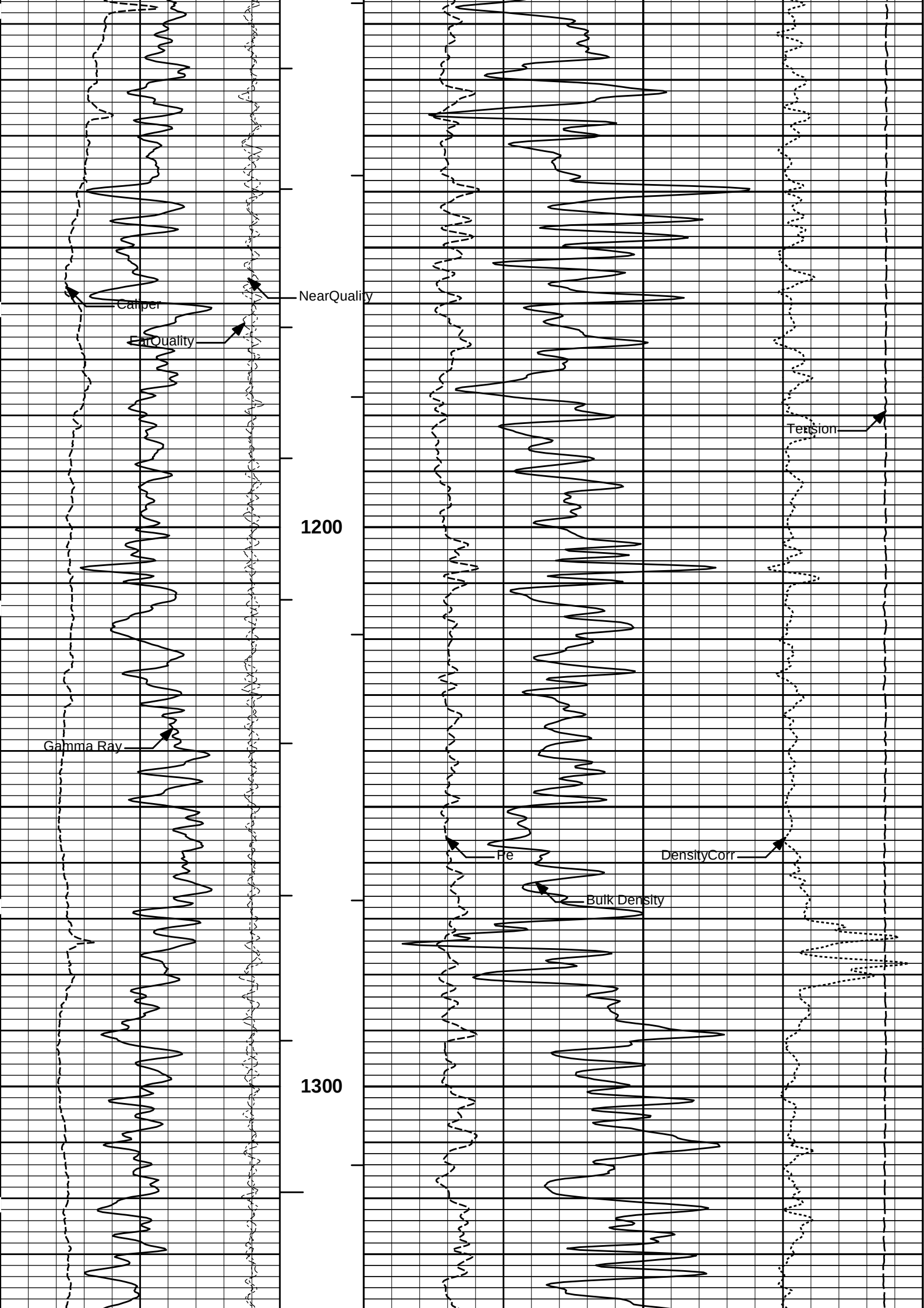


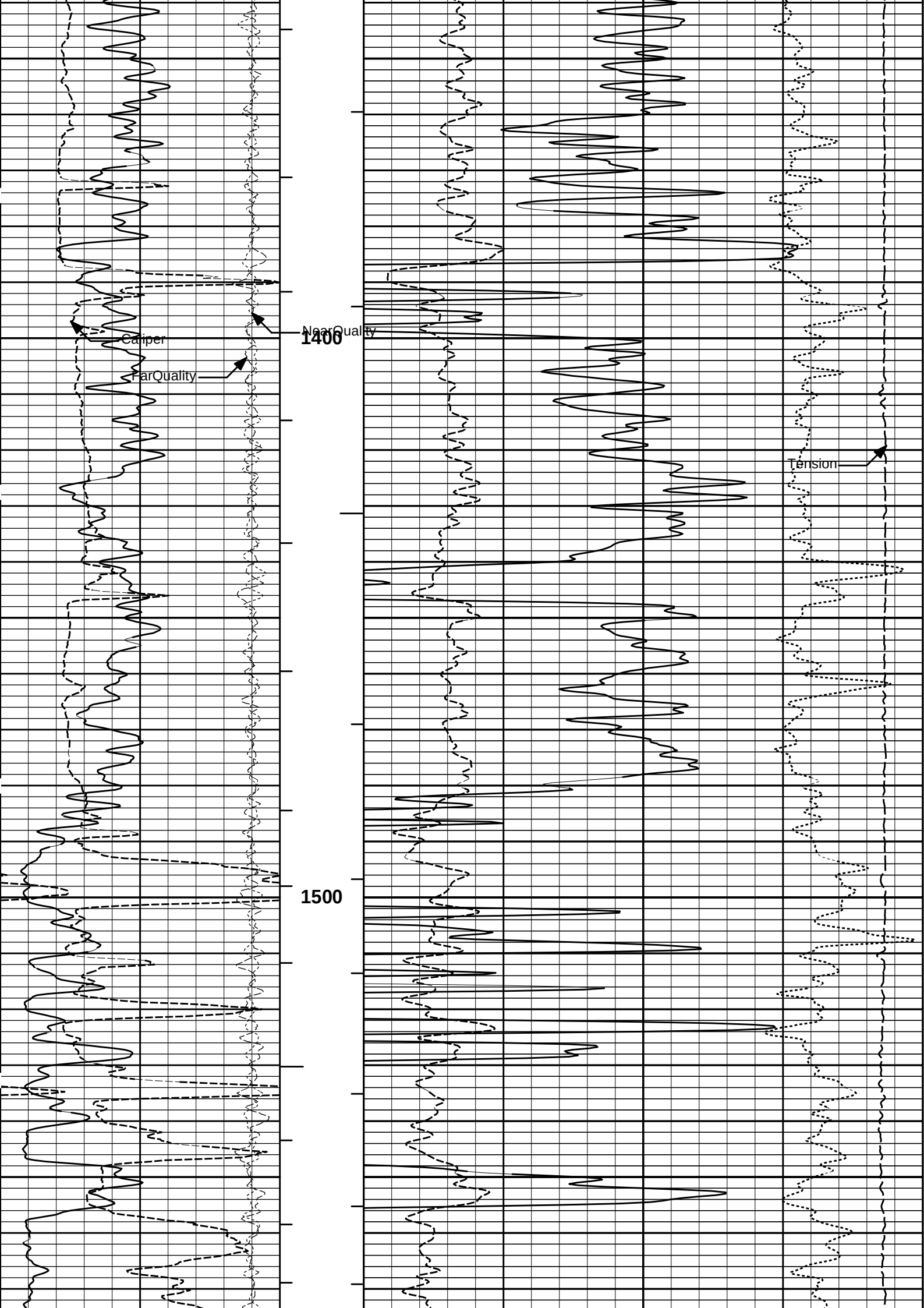


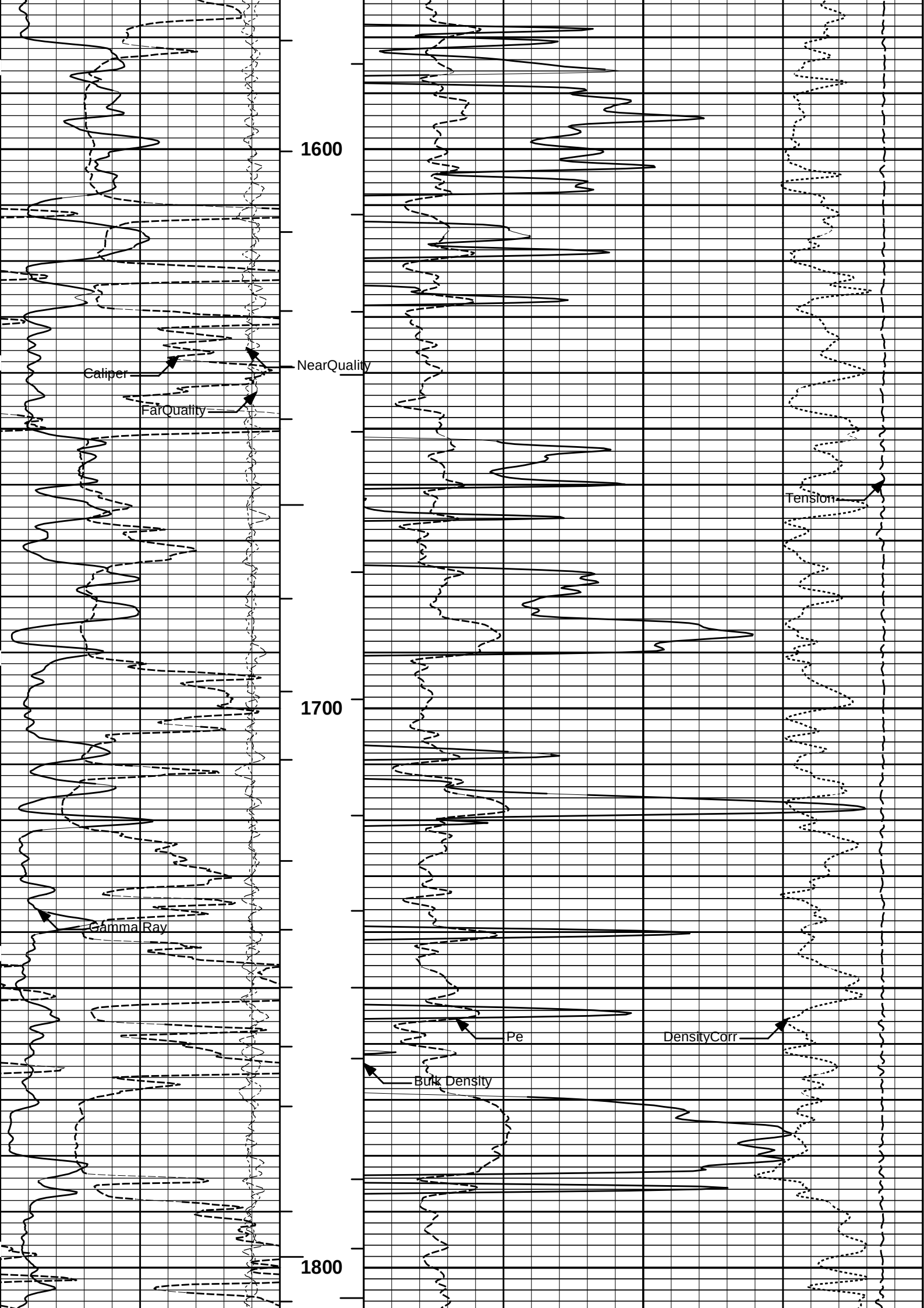


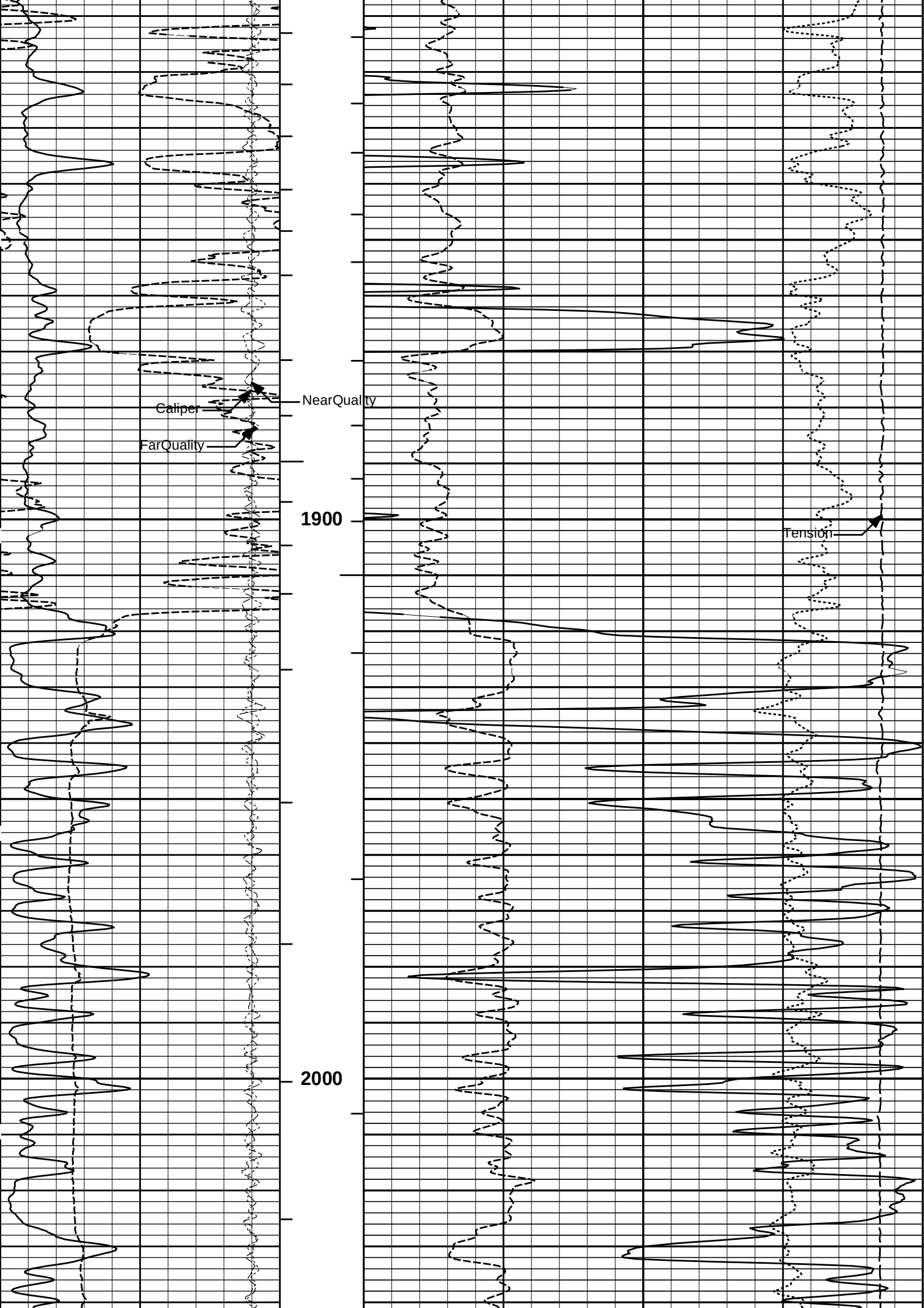


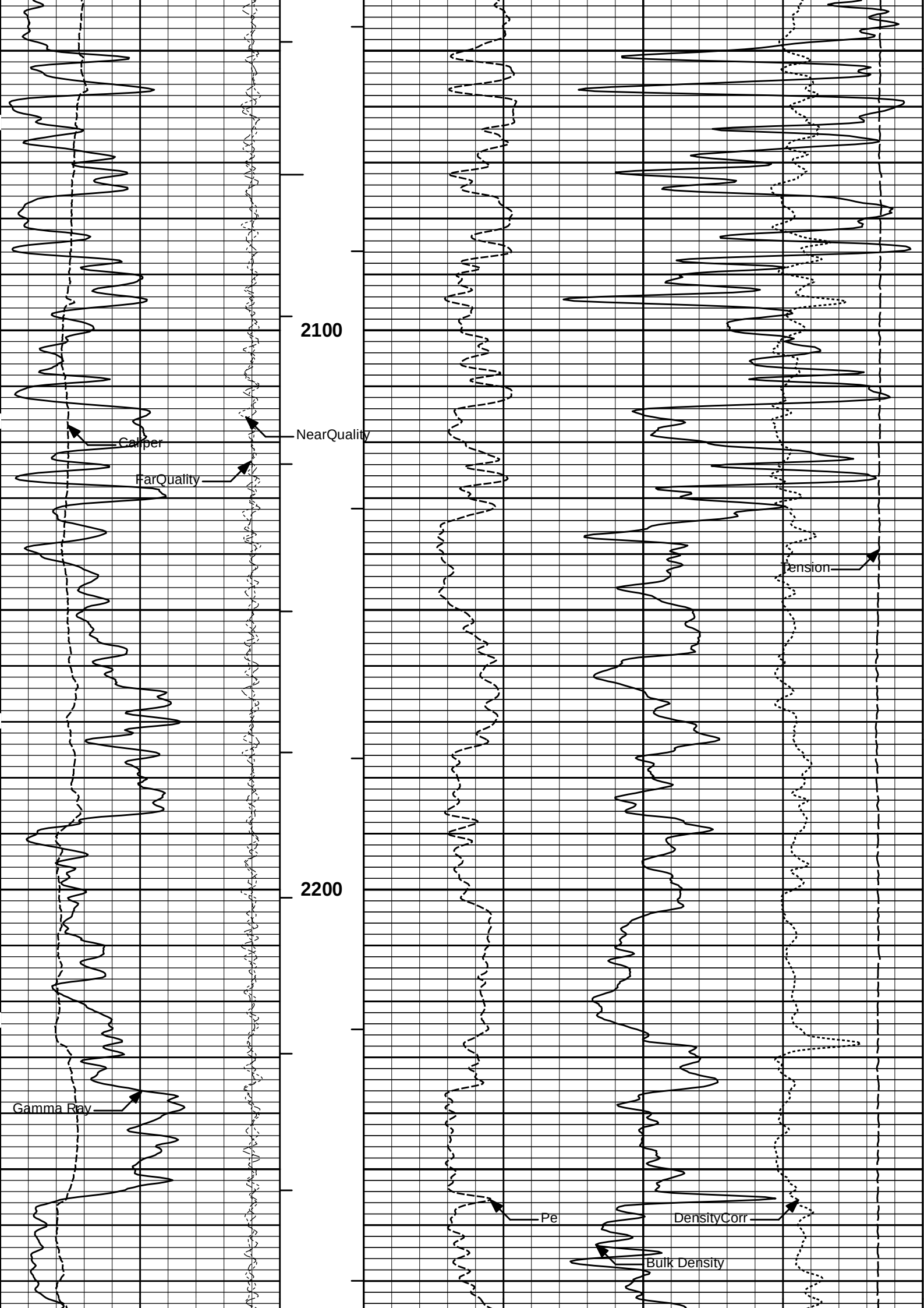


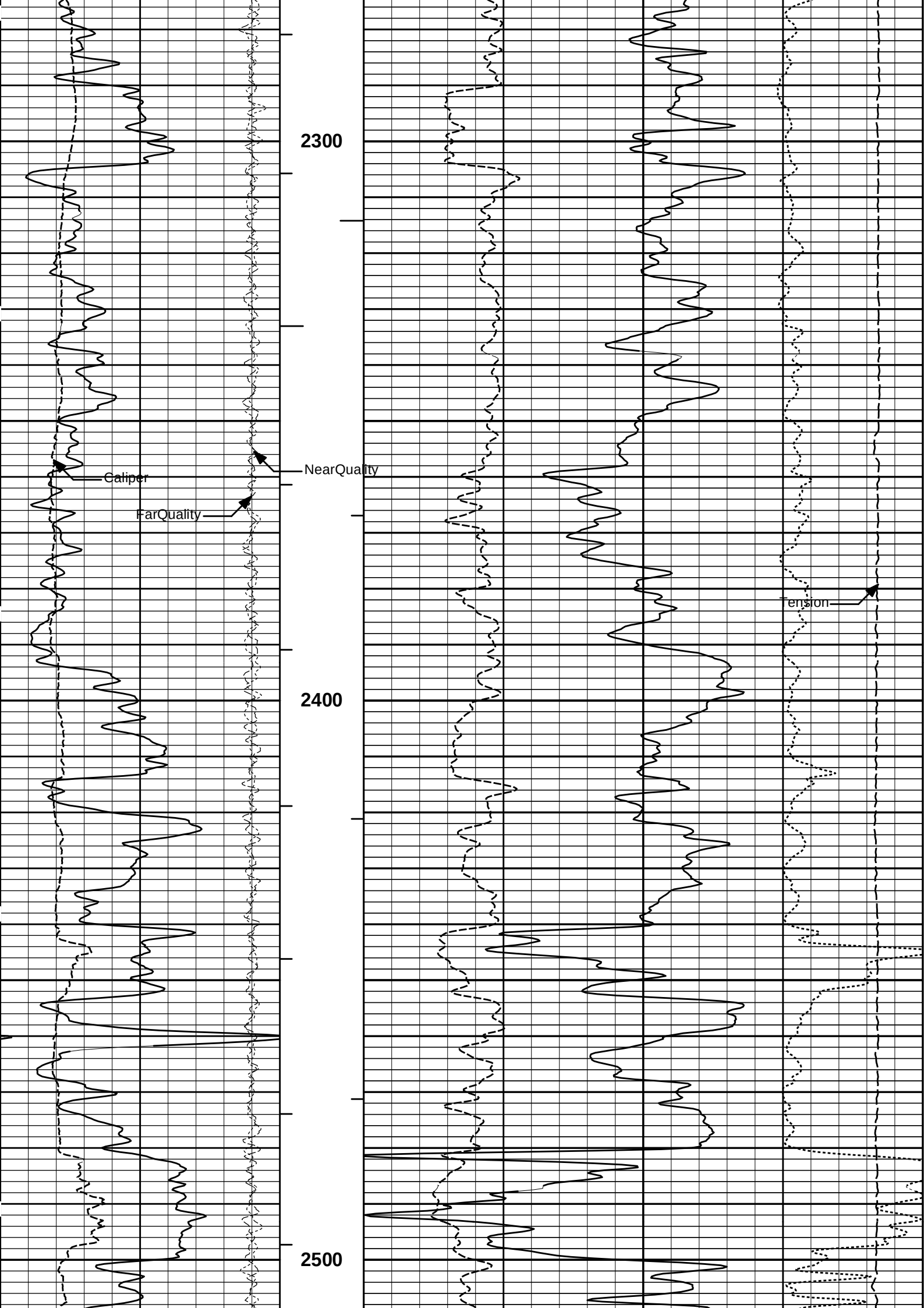


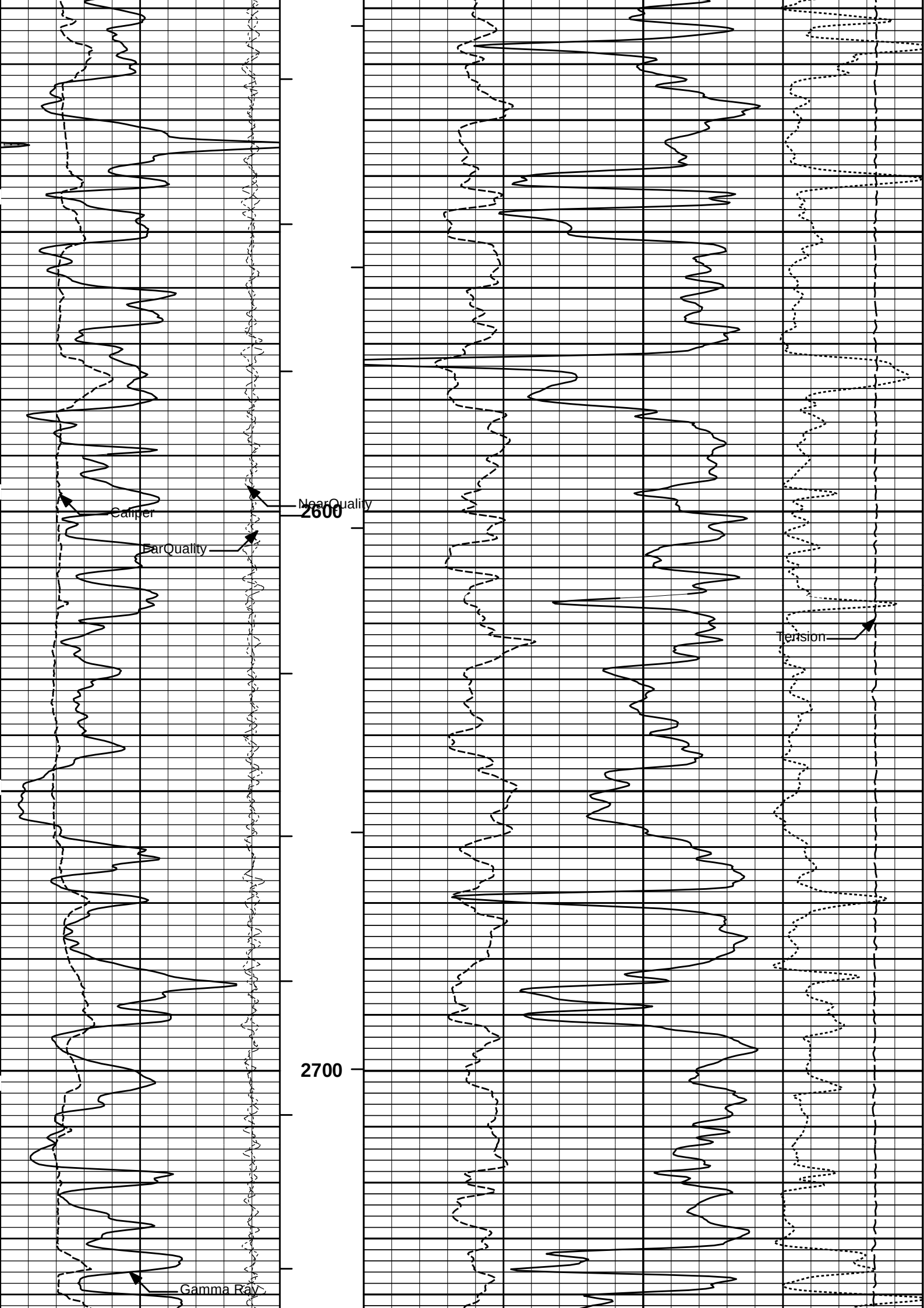


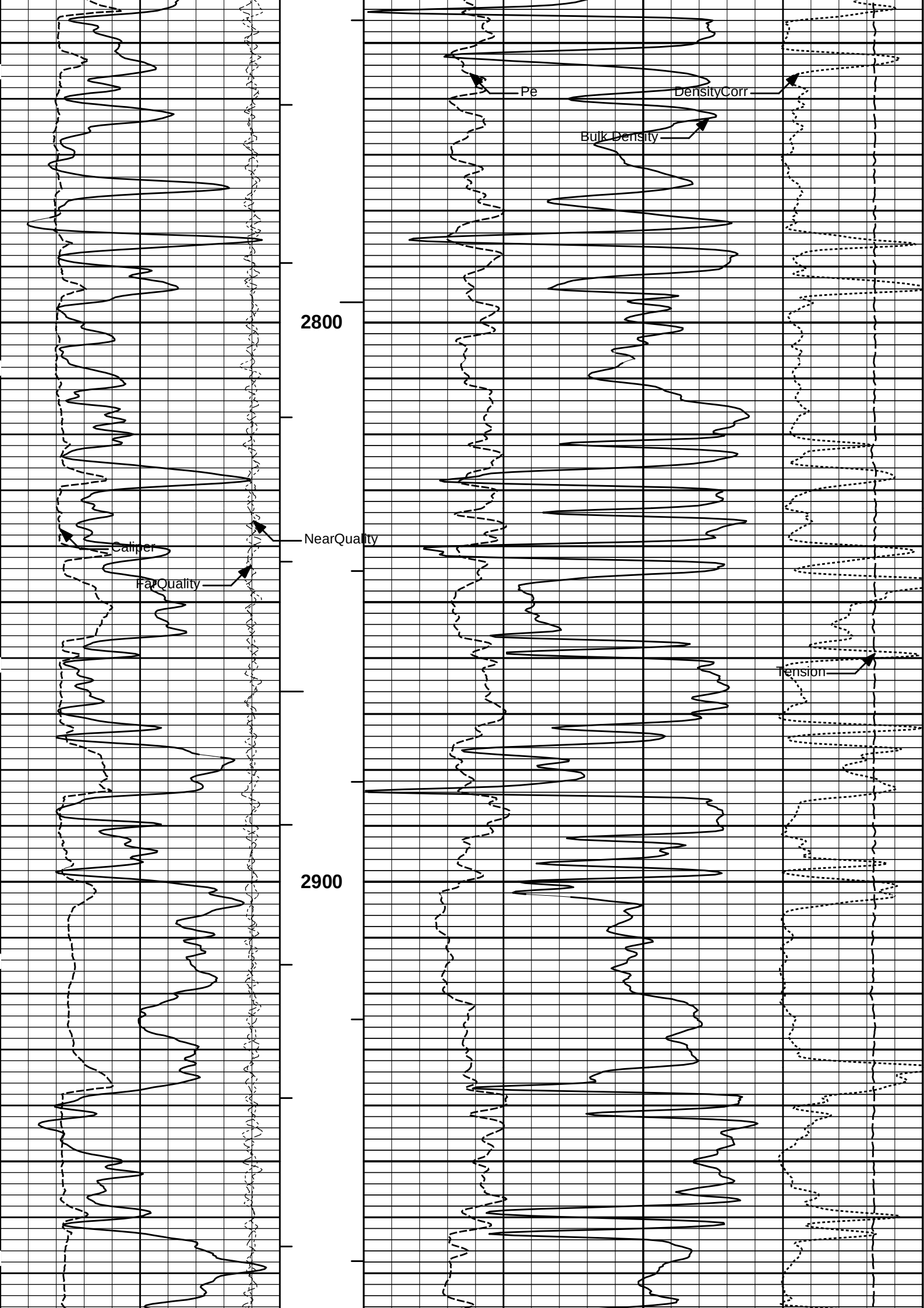


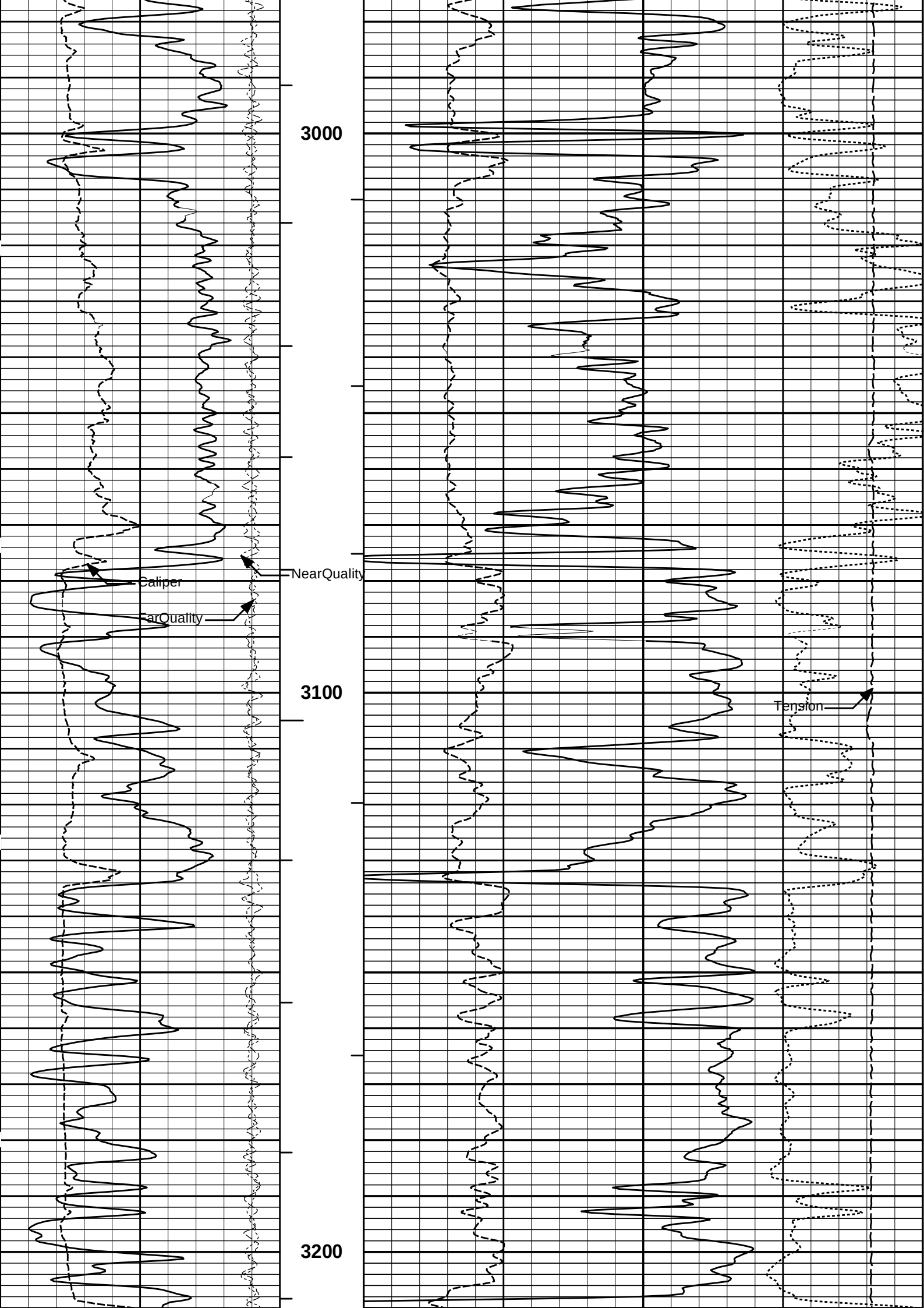


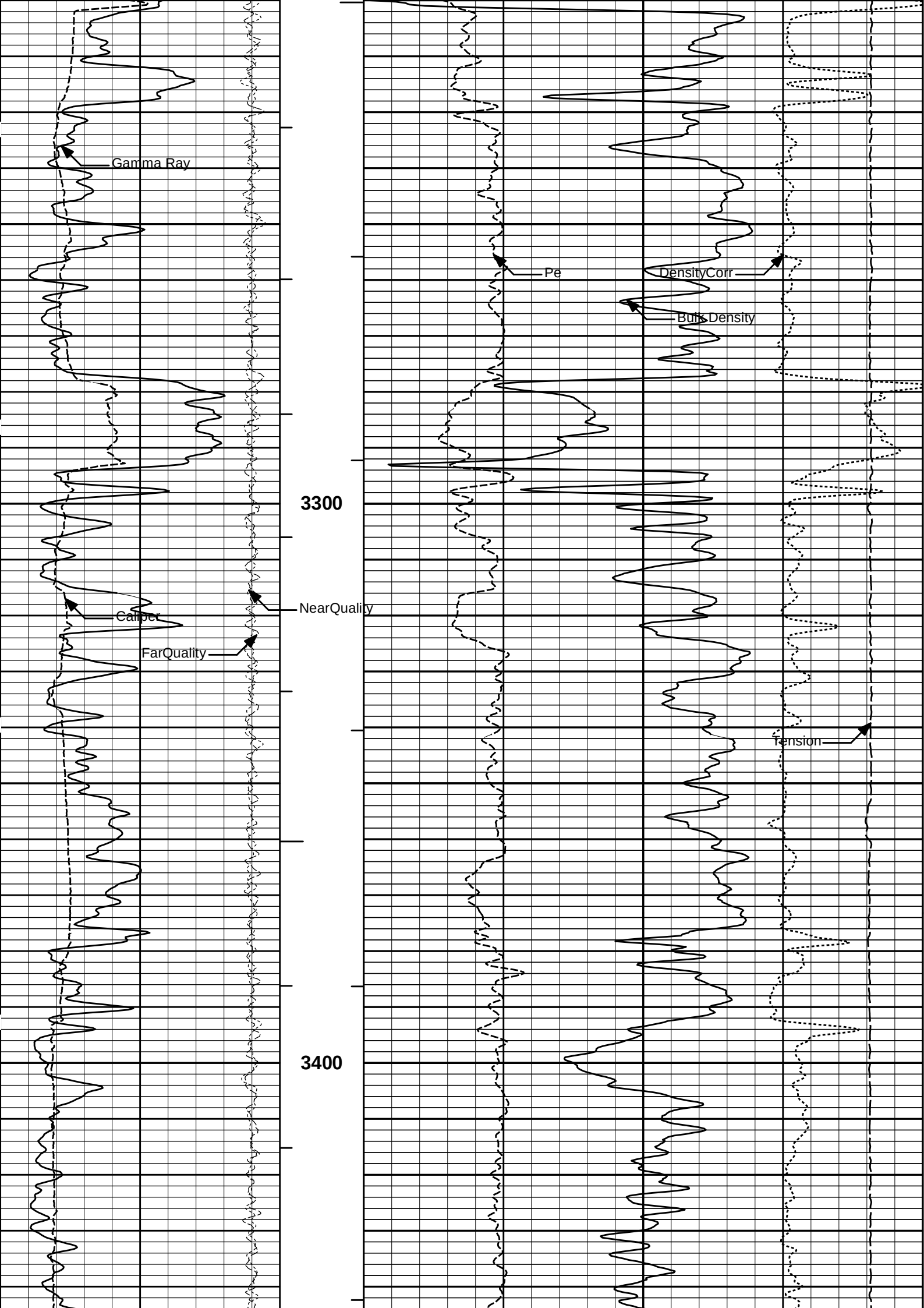


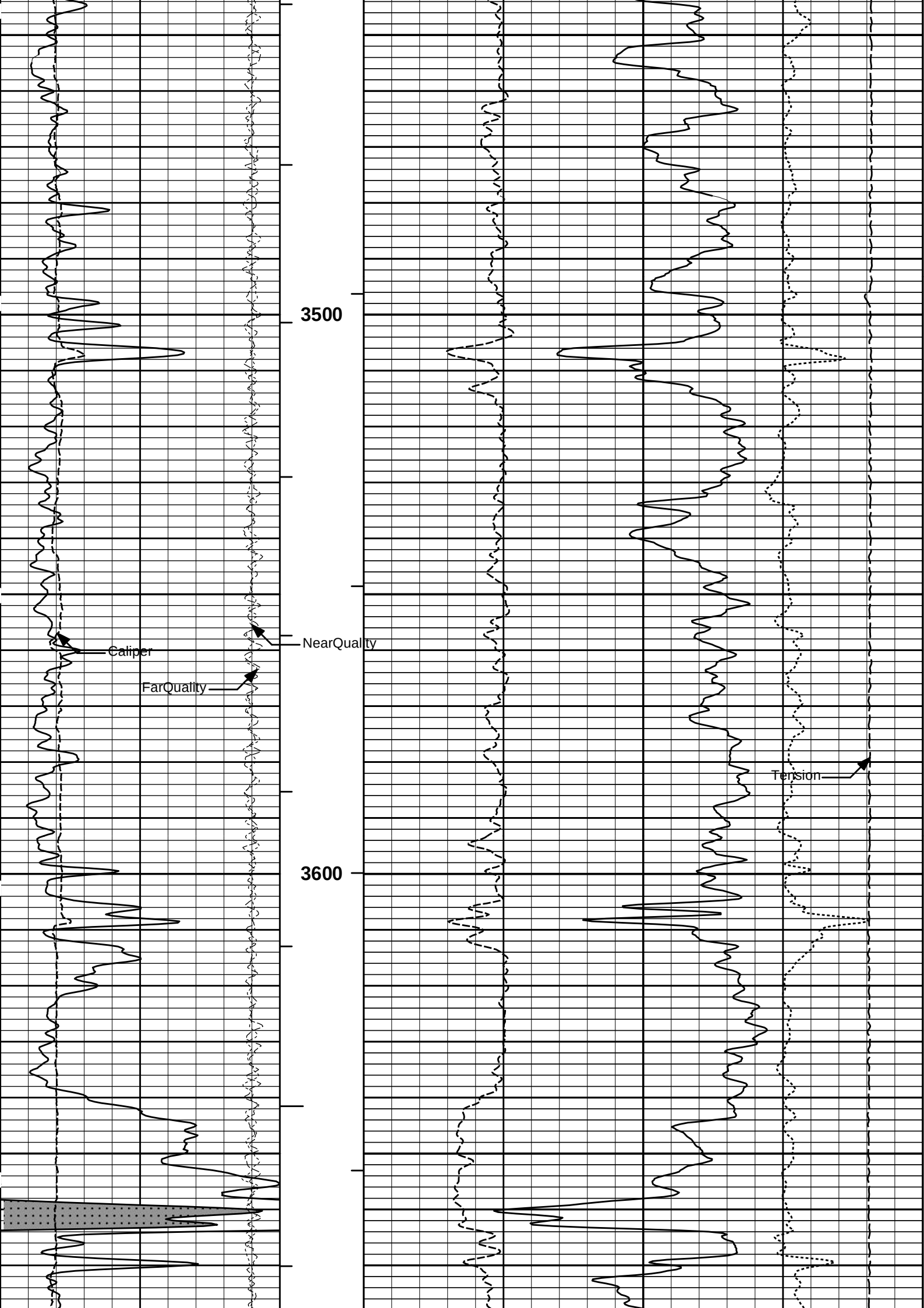


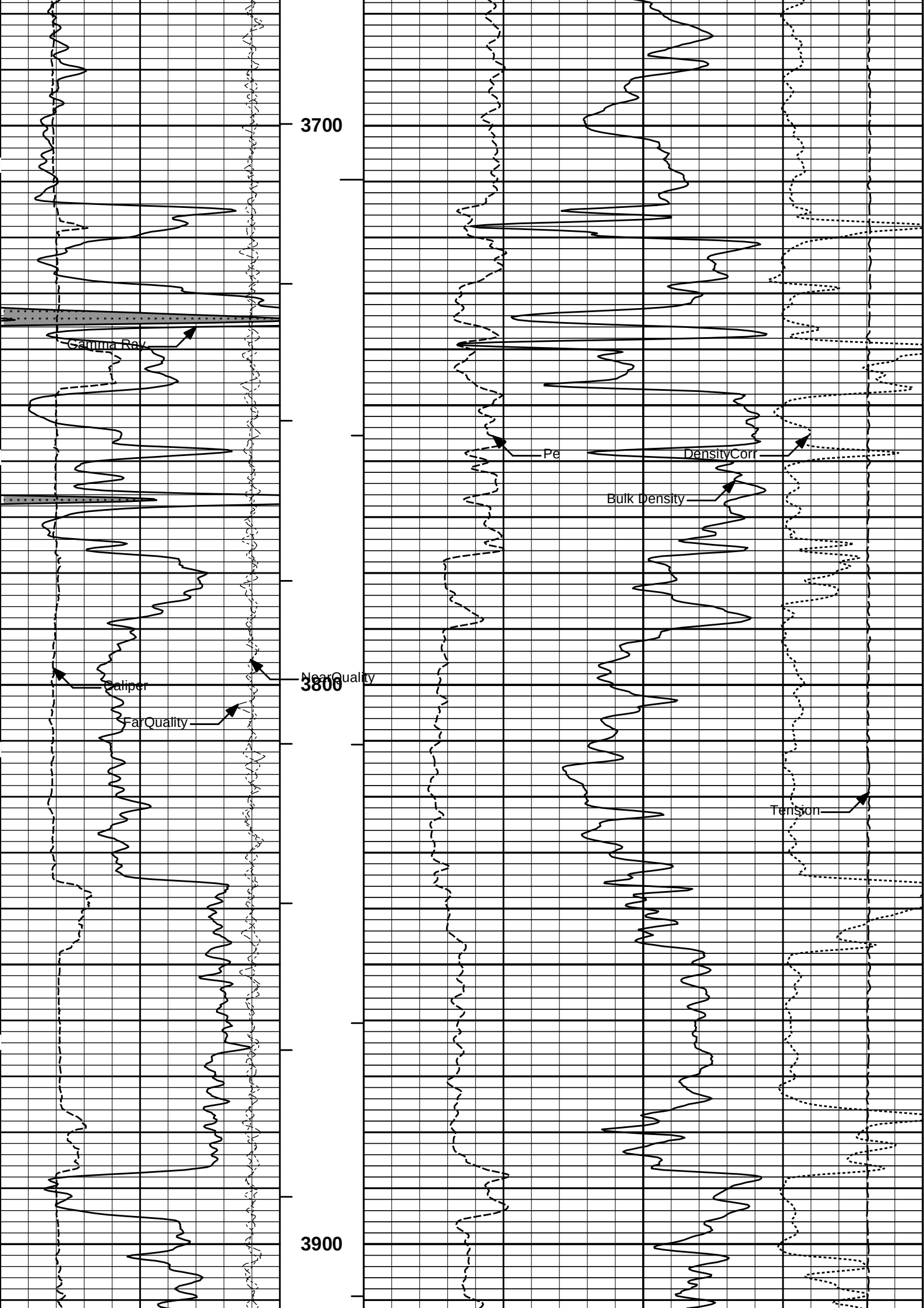


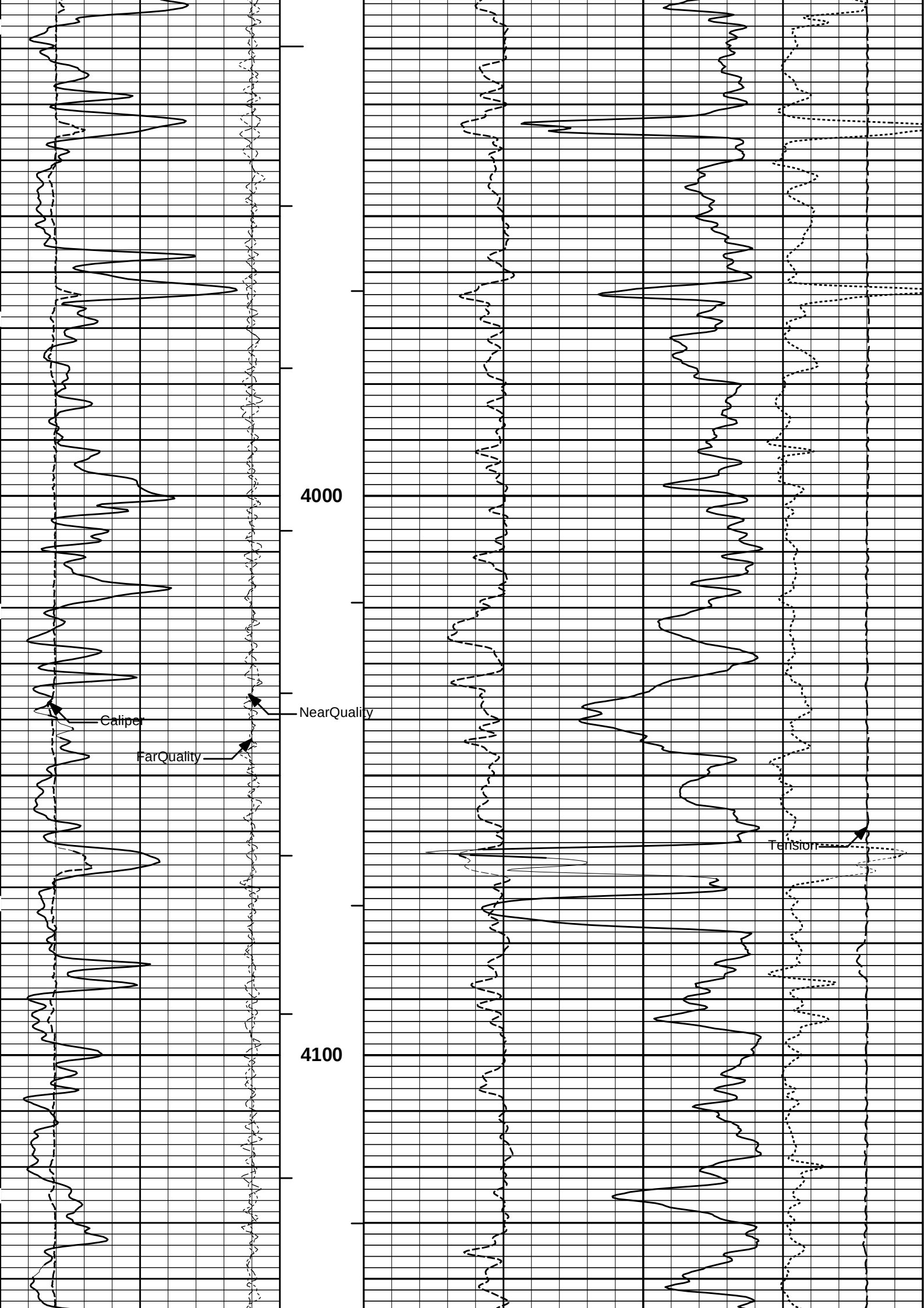


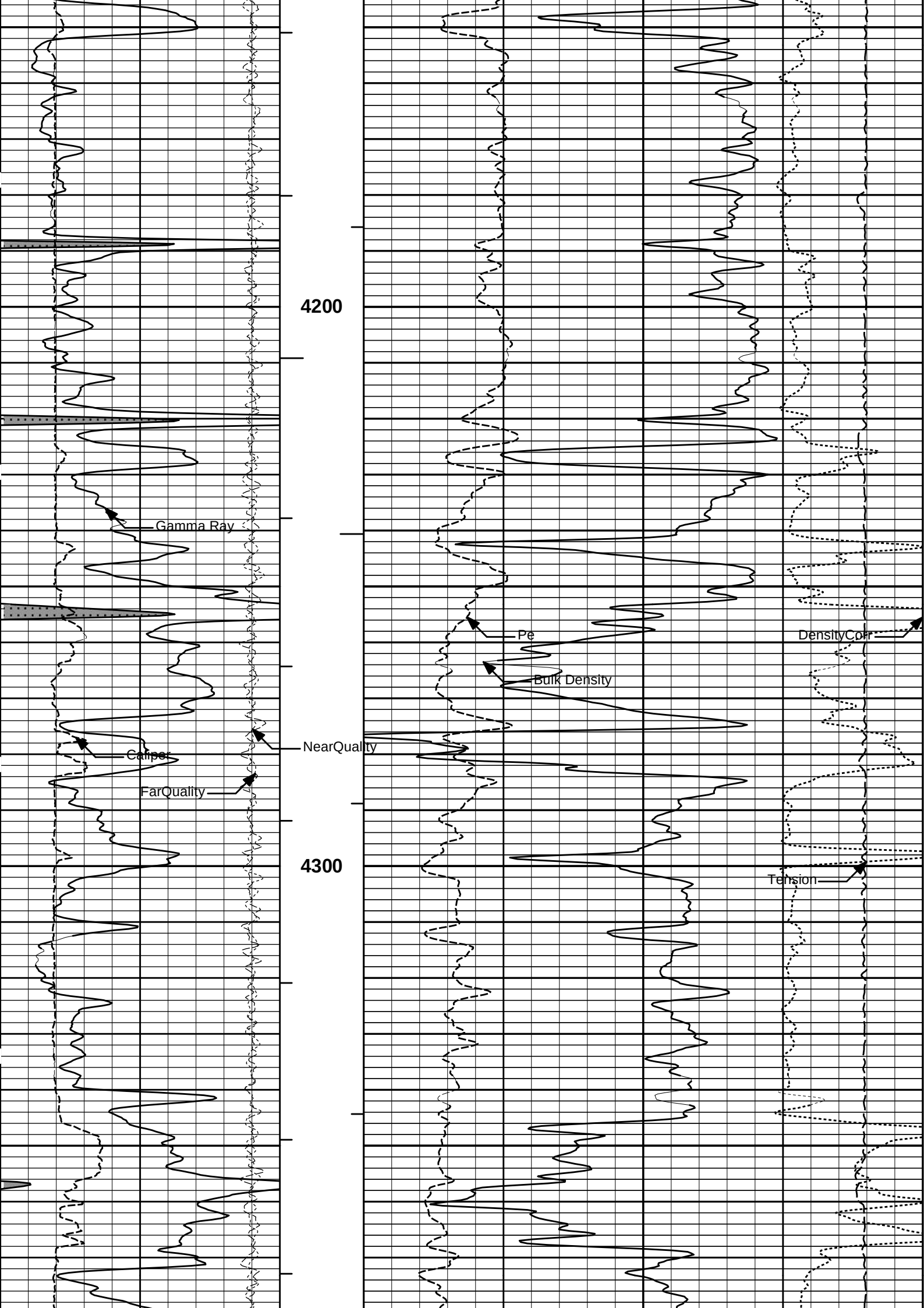


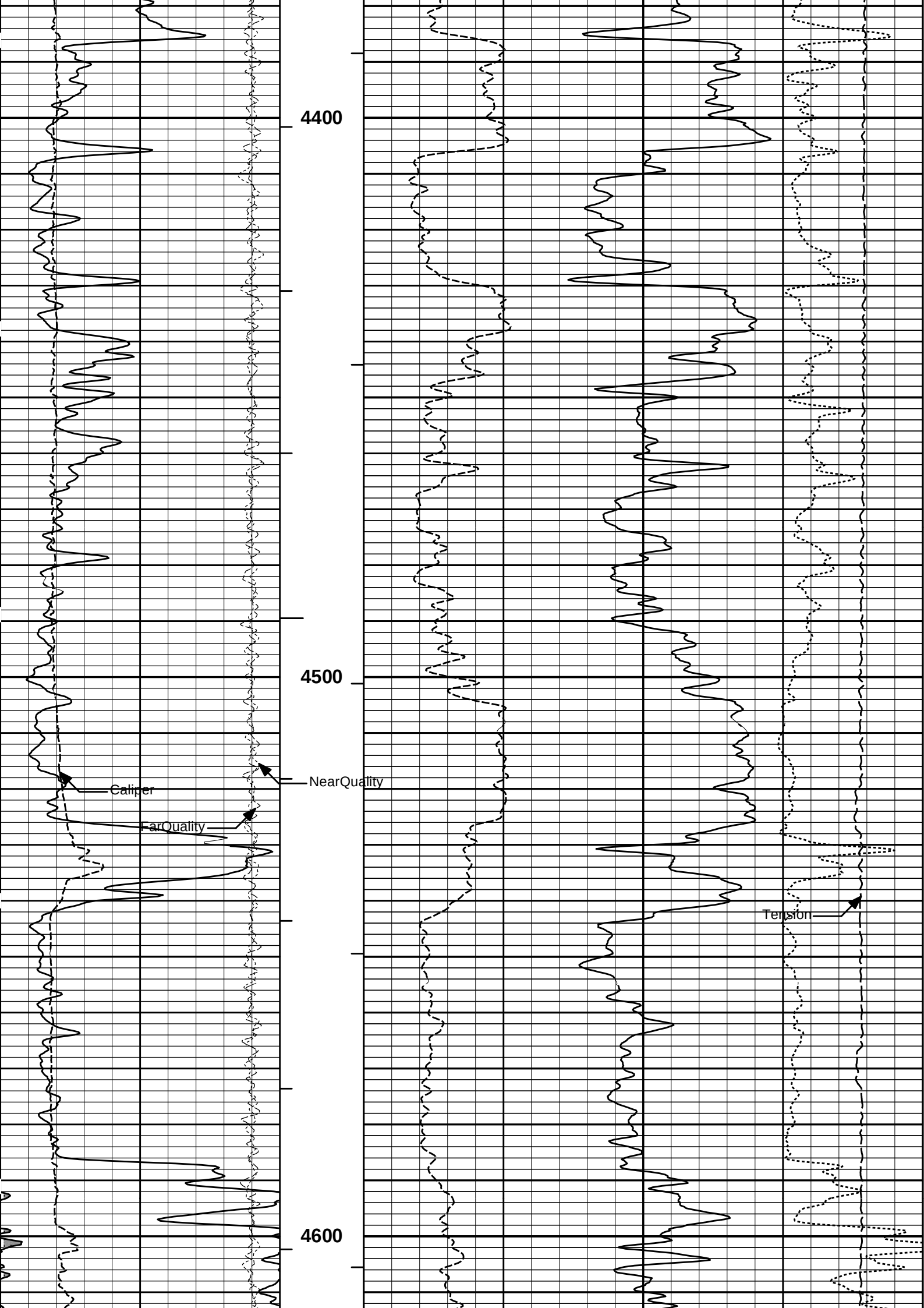


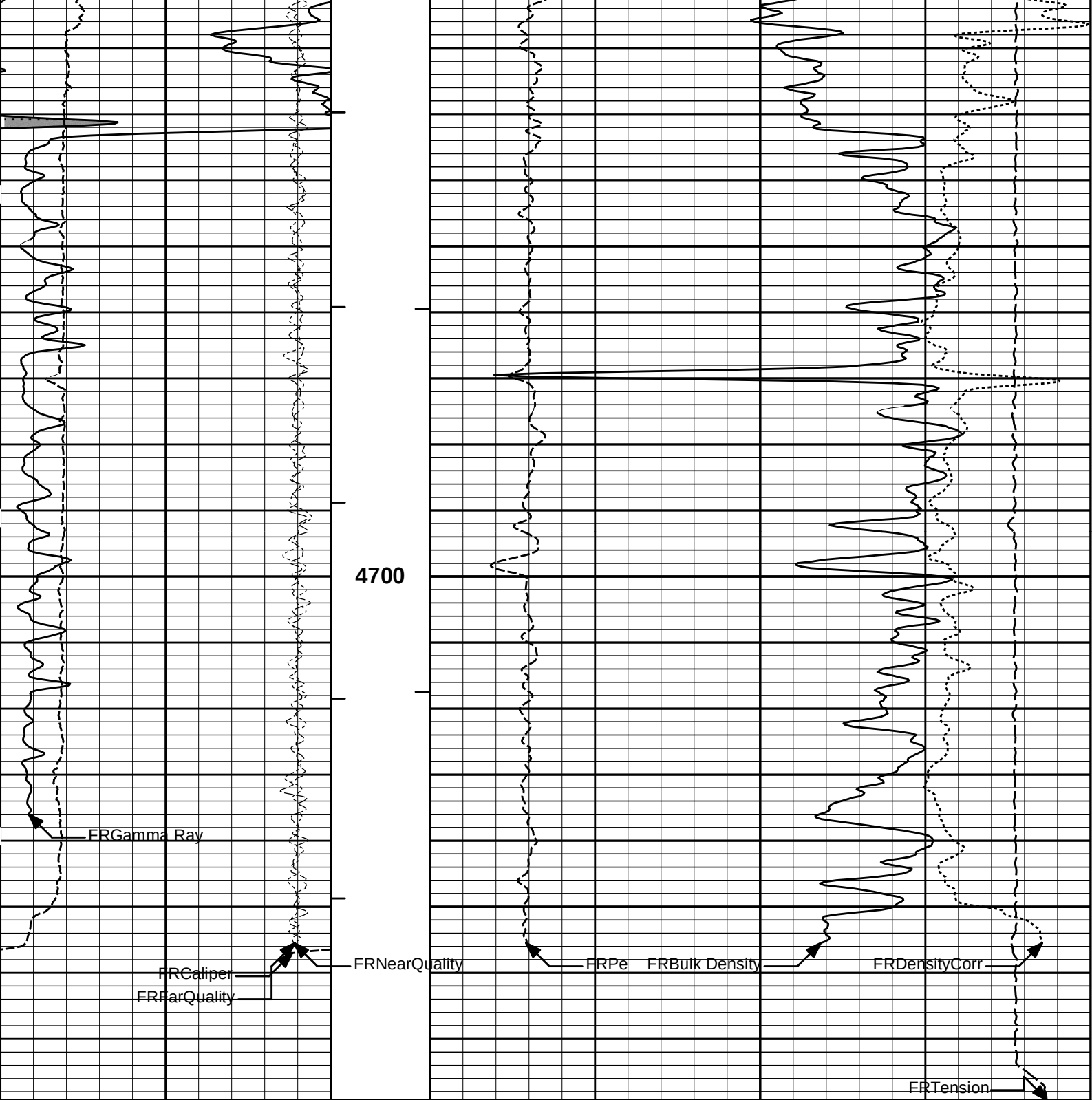












6	Caliper	16	MD	0	Pe	10	-0.25	DensityCorr	0.25
	inches		1 : 240					g/cc	
-18	NearQuality	2	AHV				15K	Tension	0
			ft3					pounds	
18	FarQuality	-2	BHV	2	Bulk Density				
			ft3		g/cc				
0	Gamma Ray	150							
	api								
	SHALE								

HALLIBURTON

Plot Time: 13-May-16 01:34:06
Plot Range: 380 ft to 4779.25 ft
Data: MONEY-SHOT_1-21\Well Based\MAIN\
Plot File: \\-LOCAL-MONEY-SHOT_1-21\Well Based\POROSITY\BULKD_5_MAIN_LIB

5 INCH MAIN LOG

MEASURED DEPTH
MAIN SECTION 5" PER 100'

HALLIBURTON

Plot Time: 13-May-16 01:34:06
Plot Range: 4398 ft to 4779.75 ft
Data: MONEY-SHOT_1-21\Well Based\REPEAT\
Plot File: \\LOCAL-MONEY-SHOT_1-21\Well Based\POROSITY\BULKD_5_REP_LIB

REPEAT SECTION

SHALE

0 Gamma Ray 150

api

18	FarQuality	-2
----	------------	----

-18	NearQuality	2
-----	-------------	---

6	Caliper	16
inches		

[illegible]

4500

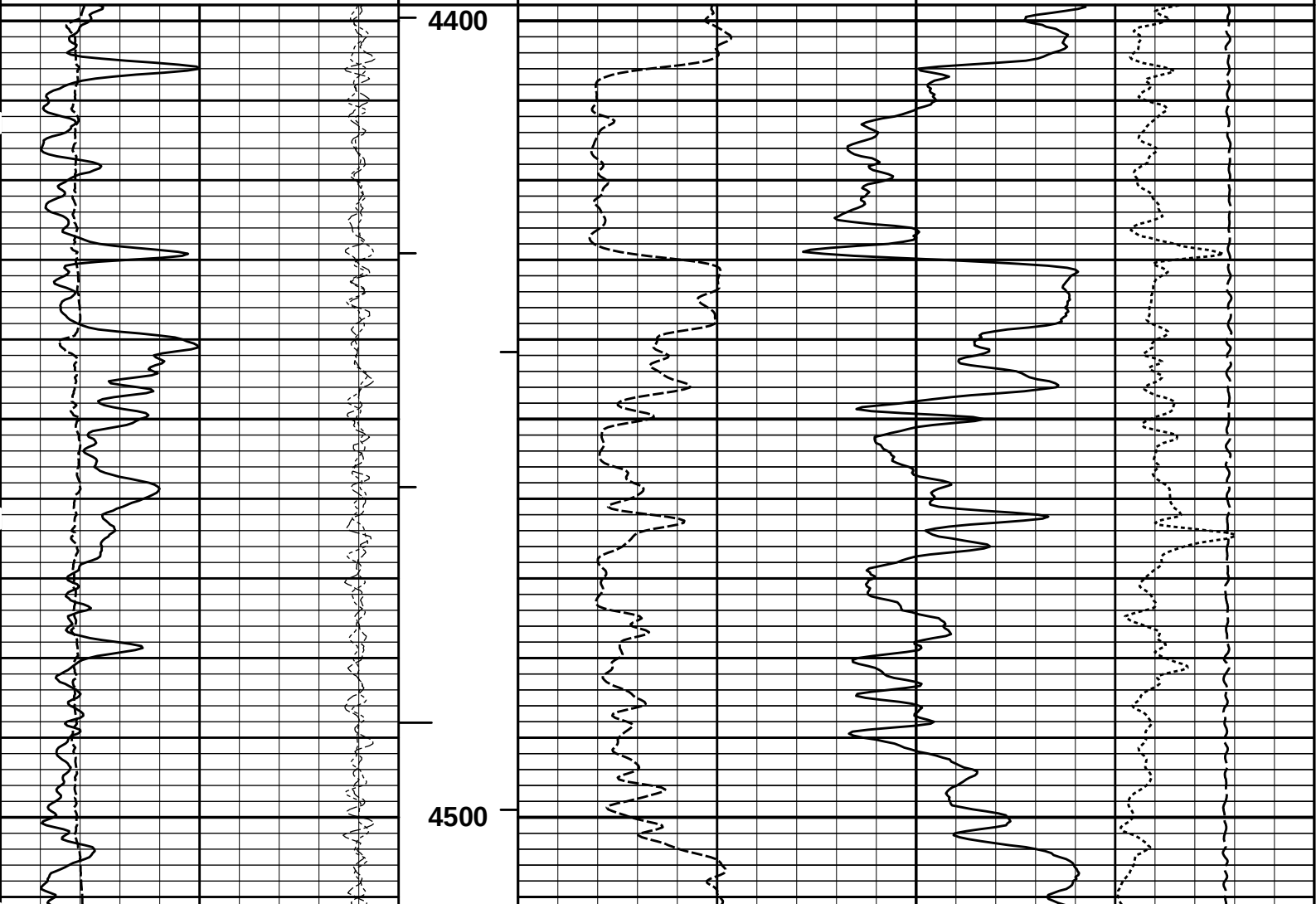
g/cc

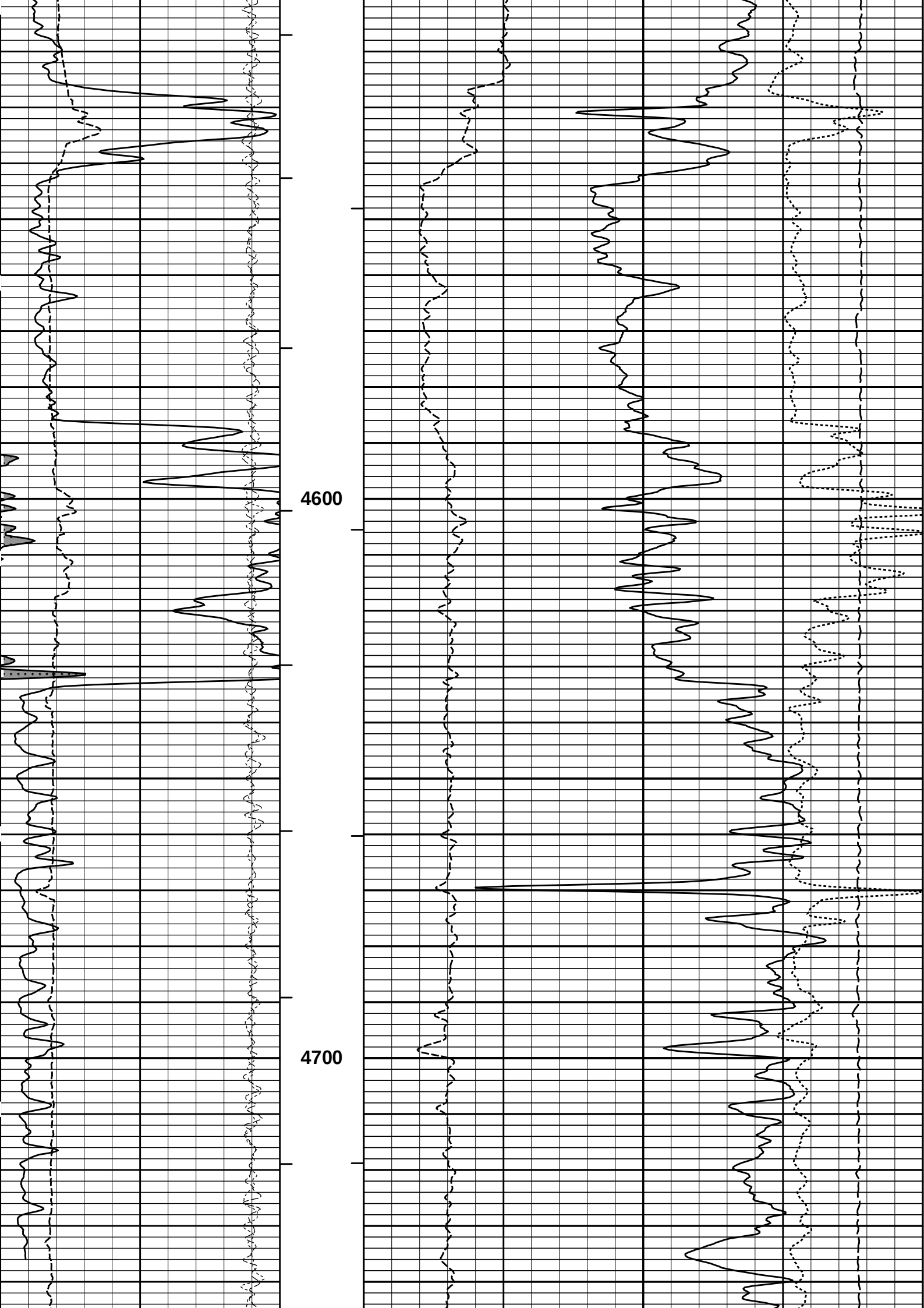
	15K	Tension	0
--	-----	---------	---

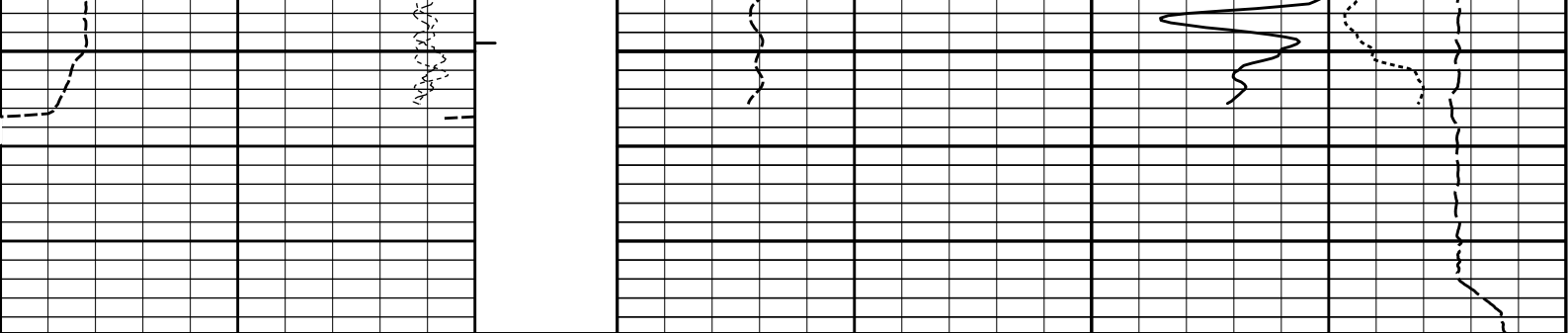
	pounds
--	--------

0	Pe	10	-0.25	DensityCorr	0.25
---	----	----	-------	-------------	------

	Density (g/cc)







6	Caliper	16	MD 1 : 240 ft	0	Pe	10	-0.25	Density	Corr	0.25	
	inches										g/cc
-18	NearQuality	2	AHV ft3				15K	Tension		0	
								pounds			
18	FarQuality	-2	BHV ft3				Bulk Density				3
							g/cc				
0	Gamma Ray	150									
	api										
	SHALE										

HALLIBURTON

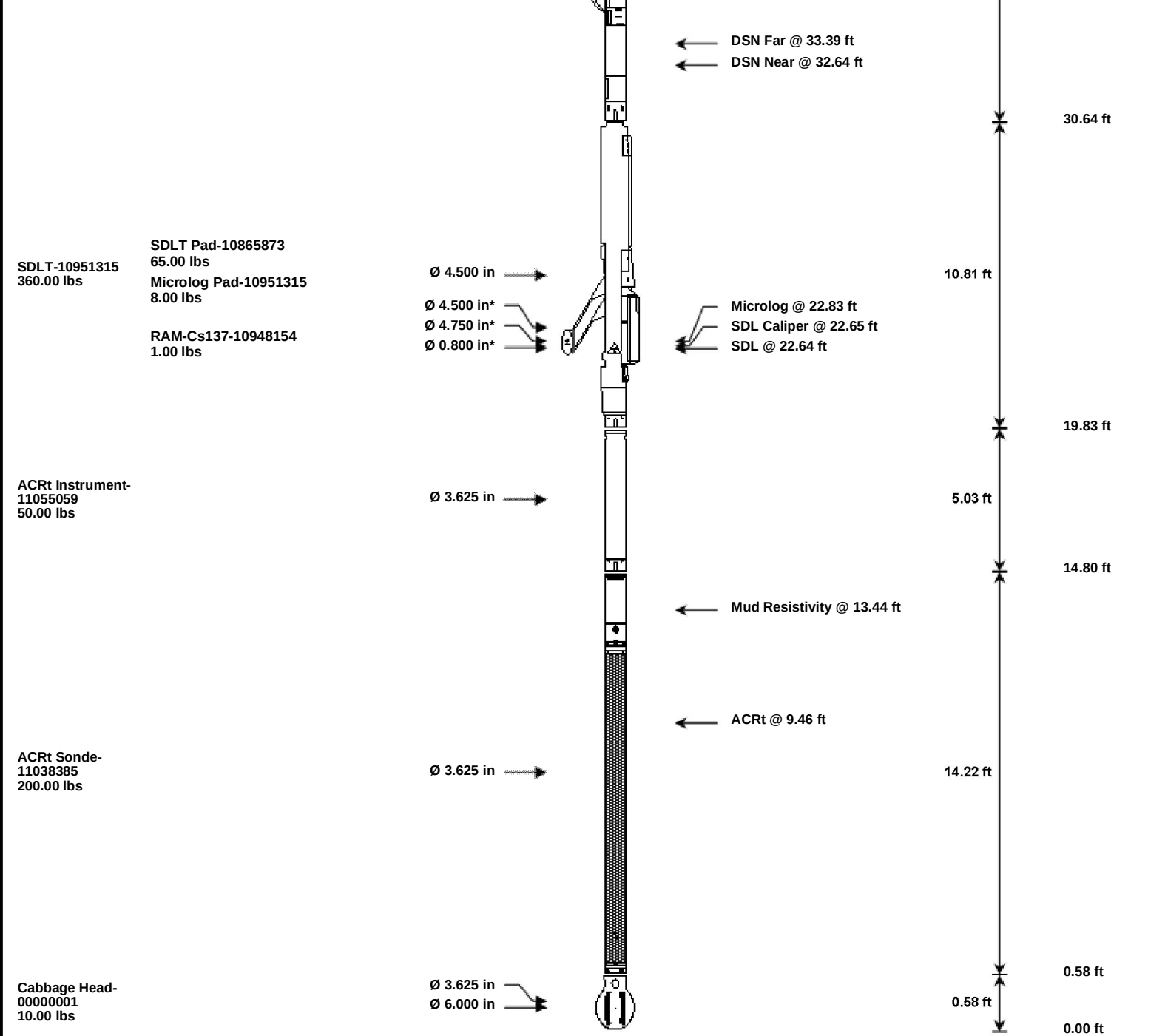
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Data: MONEY-SHOT_1-21\Well Based\REPEAT\
Plot File: \\-LOCAL-\\MONEY-SHOT_1-21\Well Based\\POROSITY\\BULKD_5_REP_LIB

REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
CH_HOS_I 37.50 lbs		Ø 2.750 in →		← Temperature @ 55.54 ft	3.03 ft	56.57 ft
XOHD-12345678 20.00 lbs		Ø 2.750 in → Ø 3.625 in →			0.95 ft	53.54 ft
SP Sub-12345678 60.00 lbs		Ø 3.625 in →		← SP @ 50.81 ft	3.74 ft	52.59 ft
				← Z-Accelerometer @ 48.40 ft		48.85 ft
GTET-11021139 165.00 lbs		Ø 3.625 in →		← GammaRay @ 42.79 ft	8.52 ft	
						40.33 ft
	DSN Decentralizer- 11019641 6.60 lbs	Ø 5.000 in* → Ø 3.625 in →			9.69 ft	
DSNT-11019641 174.00 lbs						



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_HOS_I	37.50	3.03	53.54	300.00
XOHD	Hostile to Dits Cross Over	12345678	20.00	0.95	52.59	300.00
SP	SP Sub	12345678	60.00	3.74	48.85	300.00
GTET	Gamma Telemetry Tool	11021139	165.00	8.52	40.33	60.00
DSNT	Dual Spaced Neutron	11019641	174.00	9.69	30.64	60.00
DCNT	DSN Decentralizer	11019641	6.60	5.13	33.97	300.00
SDLT	Spectral Density Tool	10951315	360.00	10.81	19.83	60.00
SDLP	Density Insite Pad	10865873	65.00	2.55	22.04	60.00
Cs137	Logging Source, SDLT-I, 1.78 Ci - Cs137	10948154	1.00	0.80	22.27	300.00
MICP	Microlog Pad	10951315	8.00	1.00	22.33	60.00
ACRt	Array Compensated True Resistivity Instrument Section	11055059	50.00	5.03	14.80	120.00
ACRt	Array Compensated True Resistivity Sonde Section	11038385	200.00	14.22	0.58	120.00
CBHD	Cabbage Head	00000001	10.00	0.58	0.00	300.00
Total			1,157.10	56.57		
* Not included in Total Length and Length Accumulation.						
Data: MONEY-SHOT_1-21\0001 GTET-DSN-SDL-ACRTIDLE					Date: 12-May-16 23:00:56	

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	9.350	ppg
	SHARED	WAGT	Weighting Agent	Natural	
	SHARED	BSAL	Borehole salinity	4200.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
	SHARED	RMUD	Mud Resistivity	0.472	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	4780.00	ft
	SHARED	BHT	Bottom Hole Temperature	130.0	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	
	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	0.29	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	
	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	SDLT	
	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	DNTT	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	
	Microlog Pad	MLOK	Process MicroLog 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	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	
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	SDLT	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	
BOTTOM				
Data: MONEY-SHOT_1-21\0001 GTET-DSN-SDL-ACRT\IDLE			Date: 13-May-16 00:02:56	

HALLIBURTON				
CALIBRATION REPORT				
NATURAL GAMMA RAY TOOL SHOP CALIBRATION				
Tool Name:	GTET - 11021139	Reference Calibration Date:	24-Apr-16 10:32:03	
Engineer:	WHITLOCK	Calibration Date:	09-May-16 10:20:40	
Software Version:	WL INSITE R5.0.0 (Build 4)	Calibration Version:	1	
Calibrator Source S/N: TB79				
Calibrator API Reference:222.00 api				
Equivalent Calibrator API Reference:225.9 api				
Measurement	Measured	Calibrated	Units	
Background	21.6	21.5	api	
Background + Calibrator	248.8	247.4	api	
Calibrator	227.2	225.9	api	
NATURAL GAMMA RAY TOOL FIELD CALIBRATION				
Tool Name:	GTET - 11021139	Reference Calibration Date:	09-May-16 10:20:40	
Engineer:	WHITLOCK	Calibration Date:	09-May-16 10:24:07	
Software Version:	WL INSITE R5.0.0 (Build 4)	Calibration Version:	1	
Calibrator Source S/N: TB79				
Calibrator API Reference:222.00 api				
Equivalent Calibrator API Reference:225.9 api				
Field Verification	Shop	Field	Units	
Background	21.5	22.4	api	
Background + Calibrator	247.4	246.3	api	
Calibrator	225.9	224.0	api	
Shop	Field	Difference	Tolerance	
225.9	224.0	1.9	+/- 9.00	
DUAL SPACED NEUTRON SHOP CALIBRATION				
Tool Name:	DSNT - 11019641	Reference Calibration Date:	22-Feb-16 20:00:52	
Engineer:	WHITLOCK	Calibration Date:	23-Apr-16 14:01:45	
Software Version:	WL INSITE R5.0.0 (Build 4)	Calibration Version:	1	
Logging Source S/N: DSN373				
Tank Serial Number: EL PENQ				

Tank Serial Number: EL RENO
Reference value assigned to Tank: 56.100
Snow Block S/N: 12156883
Calibration Tank Water Temperature: 76 degF
Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS

Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	0.991	0.988	0.900 - 1.100

WATER TANK SUMMARY (Horizontal Water Tank)

Measurement	Current Reading (Previous Coef.)	Calibrated (New Coef.)	Change	Control Limit On Change
Porosity (decg):	0.2368	0.2358	0.0010	+/- 0.0020
Calibrated Ratio:	10.59	10.56	0.034	+/- 0.050

VERIFIER

Measurement	Value	Control Limit
Snow-Block Porosity (decg):	0.0783	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 - 11019641	Reference Calibration Date:	23-Apr-16 14:01:45
Engineer:	WHITLOCK	Calibration Date:	09-May-16 11:02:18
Software Version:	WL INSITE R5.0.0 (Build 4)	Calibration Version:	1

Logging Source S/N: DSN373
Snow Block S/N: 12156883

NEUTRON FIELD-CHECK SUMMARY

	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decg):	0.0783	0.0666	-0.0118	+/- 0.0150

PASS/FAIL SUMMARY

Block Change Check:	Passed
Snow Block Stat Check:	Passed
Temperature Check:	Passed

DENSITY CALIPER SHOP CALIBRATION

Tool Name:	SDLT - 10951315	Reference Calibration Date:	18-Jan-16 11:11:04
Engineer:	WHITLOCK	Calibration Date:	18-Feb-16 11:56:22
Software Version:	WL INSITE R4.6.3 (Build 5)	Calibration Version:	1
Host Tool Name:	DSNT - 11019641		

CALIBRATION COEFFICIENTS

Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-2649.25	-2649.25	-7000.00 - -1000.00
Pad Gain	0.0003773	0.0003773	0.0002000 - 0.0006000
Arm Offset	480.90	480.90	-5000.00 - 3000.00
Arm Gain	0.0004044	0.0004044	0.000300 - 0.000700
Arm Power	0.000001870	0.000001870	-0.000010000 - 0.000010000

The ring diameter is computed from: DIAMETER = PAD EXTENSION + ARM EXTENSION + TOOL DIAMETER

Tool Diameter: 4.50 in

Ring Diameter: 15.00 in

CALIBRATION RINGS

Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change	Control Limit On New Value
PAD EXTENSION:				
Small Ring (in)	2.00	2.00	0.00	+/- 0.20
Medium Ring (in)	3.75	3.75	0.00	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.50	6.50	0.00	+/- 0.20
Medium Ring (in)	8.25	8.25	0.00	+/- 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
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SDLT CALIPER FIELD CALIBRATION

Tool Name:	SDLT - 10951315	Reference Calibration Date:	18-Feb-16 11:56:22
Engineer:	WHITLOCK	Calibration Date:	09-May-16 10:11:55
Software Version:	WL INSITE R5.0.0 (Build 4)	Calibration Version:	1

MEASURED CALIPER VALUES

Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.77	0.02	+/- 0.10
Ring Diameter	8.25	8.25	0.00	+/- 0.15

PASS/FAIL SUMMARY

Pad Extension Check:	Passed
Diameter Check:	Passed

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name:	SDLT Pad - 10865873	Reference Calibration Date:	22-Feb-16 19:16:44
Engineer:	WHITLOCK	Calibration Date:	24-Apr-16 10:52:26
Software Version:	WL INSITE R5.0.0 (Build 4)	Calibration Version:	1

Logging Source S/N: 5577GW

Aluminum Block S/N: EL RENO

Density: 2.581g/cc

Pe: 3.170

Magnesium Block S/N: EL RENO MG

Density: 1.687g/cc

Pe: 2.594

DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	0.9843	0.9760	0.90 - 1.10
Near Dens Gain	0.9806	0.9849	0.90 - 1.10
Near Peak Gain	0.9863	1.0029	0.90 - 1.10
Near Lith Gain	1.0052	1.0149	0.90 - 1.10
Far Bar Gain	0.9964	0.9984	0.90 - 1.10
Far Dens Gain	0.9930	0.9950	0.90 - 1.10
Far Peak Gain	0.9928	0.9943	0.90 - 1.10
Far Lith Gain	0.9774	0.9735	0.90 - 1.10
Near Bar Offset	0.0939	0.1760	NONE
Near Dens Offset	0.1237	0.0888	NONE
Near Peak Offset	0.0538	-0.0854	NONE
Near Lith Offset	-0.1227	-0.2076	NONE
Far Bar Offset	-0.0313	-0.0492	NONE
Far Dens Offset	-0.0302	-0.0498	NONE

Far Peak Offset	-0.0740	-0.0902	NONE
Far Lith Offset	0.0058	0.0270	NONE
Near Bar Background	863.77	862.59	700 - 1450
Near Dens Background	281.12	281.20	230 - 480
Near Peak Background	122.96	124.09	100 - 210
Near Lith Background	150.74	150.94	125 - 260
Far Bar Background	485.47	488.42	450 - 900
Far Dens Background	192.09	190.12	175 - 345
Far Peak Background	75.89	75.14	70 - 140
Far Lith Background	78.55	77.35	75 - 145

CALIBRATION BLOCK SUMMARY				
Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.683	1.687	0.004	+/- 0.015
Pe	2.537	2.554	0.017	+/- 0.150
ALUMINUM				
Density (g/cc)	2.573	2.581	0.008	+/- 0.01500
Pe	3.072	3.127	0.055	+/- 0.150

TOOL SUMMARY				
Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	-0.0013	+/- 0.0110	-0.0020	+/- 0.0140
Magnesium Block	-0.0010	+/- 0.0110	-0.0002	+/- 0.0140
Aluminum Block	-0.0007	+/- 0.0110	-0.0000	+/- 0.0140
Resolution	9.81	6.00 - 11.50	9.05	6.00 - 11.50
Internal Verifier(B+D+P+L)	1419	1200 - 2700	831	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 - 10865873	Reference Calibration Date:	24-Apr-16 10:52:26
Engineer:	WHITLOCK	Calibration Date:	09-May-16 10:27:28
Software Version:	WL INSITE R5.0.0 (Build 4)	Calibration Version:	1

Pad Temperature: 75.2 degF

DENSITY FIELD CALIBRATION SUMMARY				
Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1418.819	1407.536	-11.283	15.205
Far (B+D+P+L) cps	831.026	827.403	-3.623	15.872
Near Resolution	9.81	9.98	0.170	0.50
Far Resolution	9.05	9.06	0.010	1.00
PASS/FAIL SUMMARY				

Bkg Quality Check:	Passed
Bkg Resolution Check:	Passed
Bkg Verification Check:	Passed

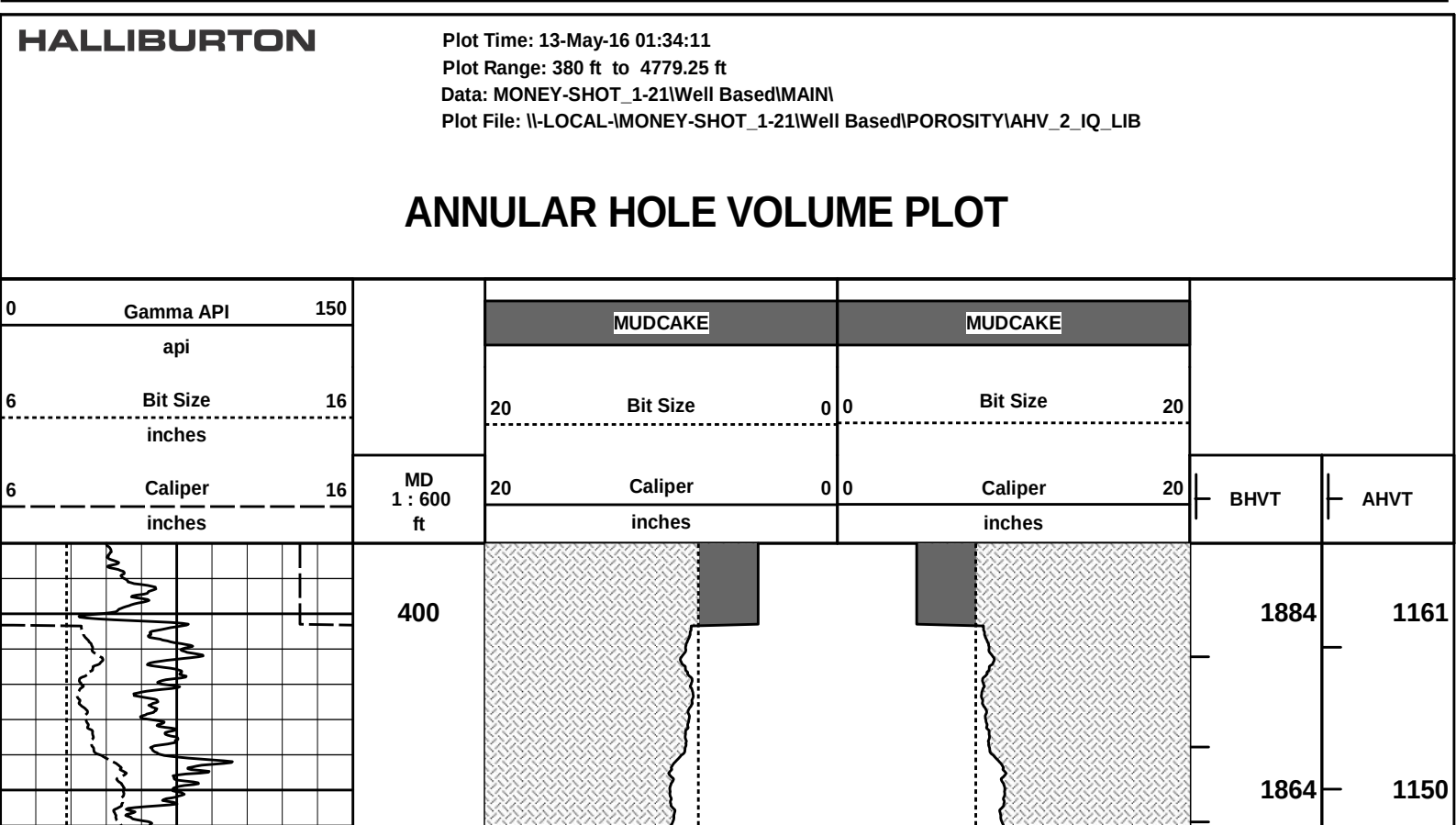
CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11021139						
Gamma Ray Calibrator	225.9	224.0	-----	1.9	+/- 9.00	api
DSNT-11019641						
Snow-Block Porosity	0.0783	0.0666	-----	0.0117	+/- 0.0150	decp
SDLT-10951315						
Pad Extension	3.75	3.77	-----	-0.02	+/-0.10	in
Ring Diameter	8.25	8.25	-----	0.00	+/-0.15	in
SDLT Pad-10865873						
Near(B+D+P+L)	1418.819	1407.536	-----	11.283	+/-15.205	cps
Far(B+D+P+L)	831.026	827.403	-----	3.623	+/-15.872	cps
Data: MONEY-SHOT_1-21\0001 GTET-DSN-SDL-ACRTIDLE						
Date: 12-May-16 23:19:30						

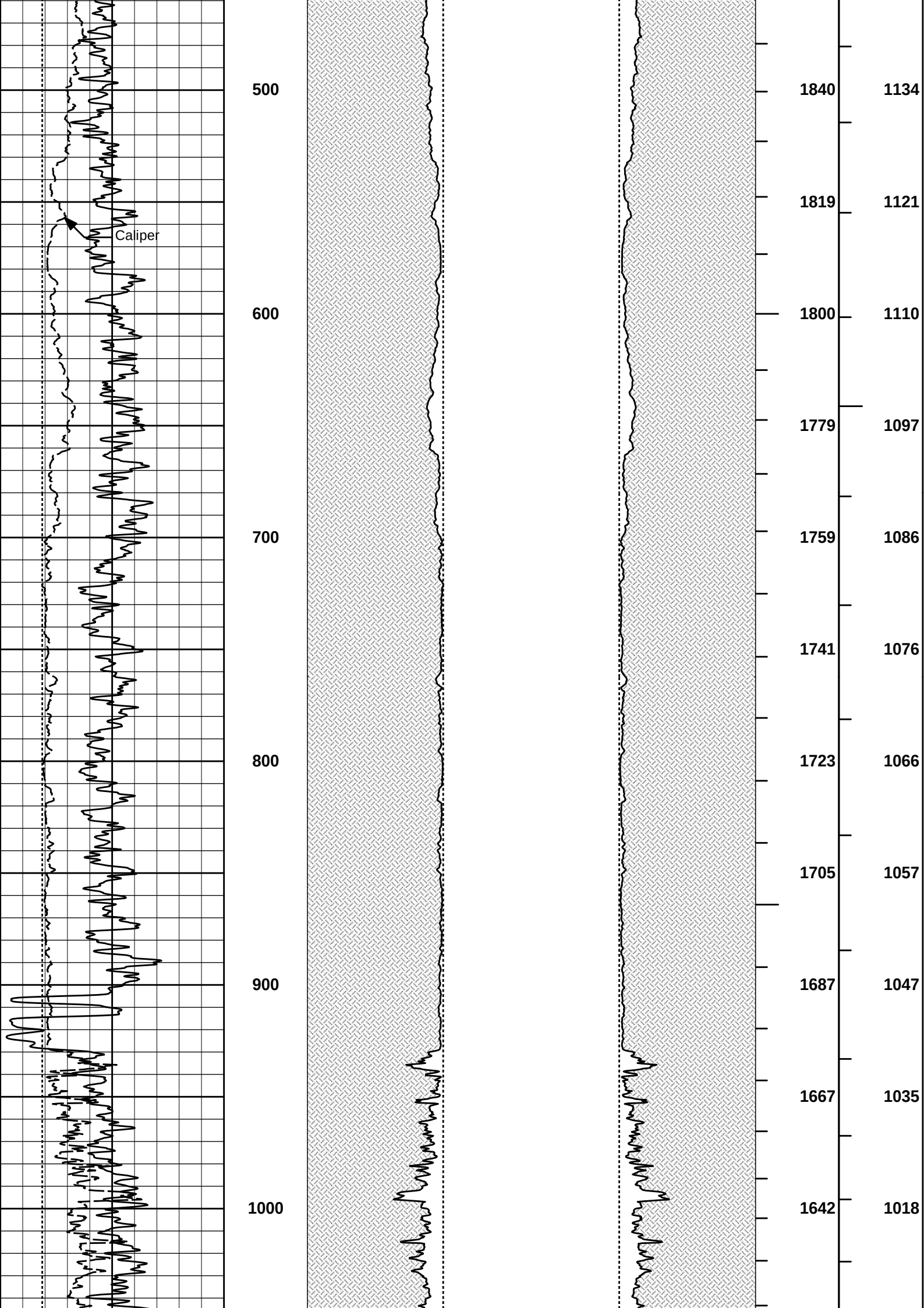
HALLIBURTON						
INPUTS, DELAYS AND FILTERS TABLE						

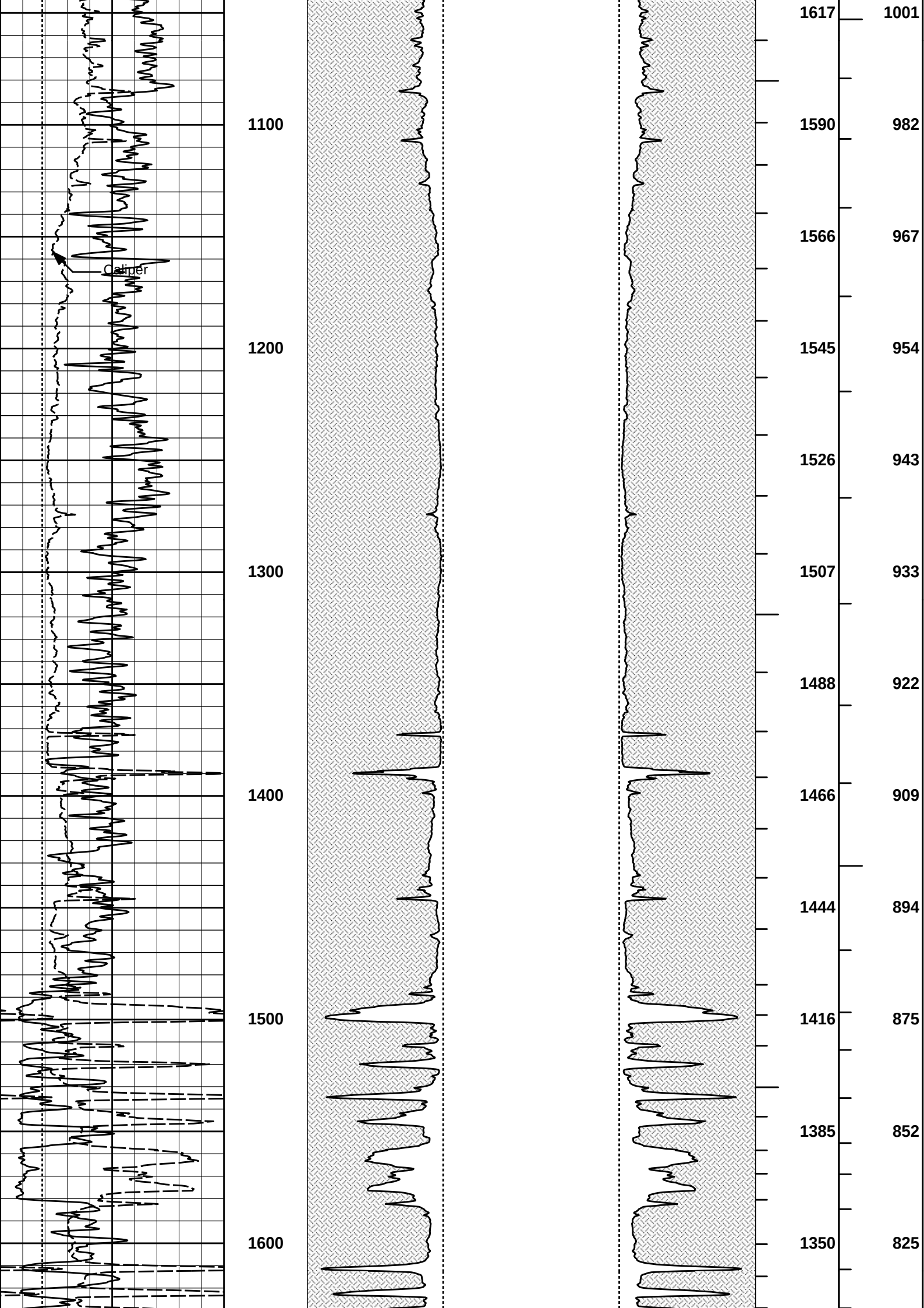
Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
Depth Panel				
TENS	Tension	0.00	NO	
Rwa / CrossPlot				
TPUL	Tension Pull	56.57	NO	
BS	Bit Size	56.57	NO	
HDIA	Measured Hole Diameter	0.00	NO	
CH_HOS				
DHTN	DownholeTension	0.00	BLK	0.000
SP Sub				
PLTC	Plot Control Mask	50.81	NO	
SP	Spontaneous Potential	50.81	BLK	1.250
SPR	Raw Spontaneous Potential	50.81	NO	
SPO	Spontaneous Potential Offset	50.81	NO	
GTET				
TPUL	Tension Pull	42.79	NO	
GR	Natural Gamma Ray API	42.79	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	42.79	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	42.79	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	
DSNT				
TPUL	Tension Pull	32.54	NO	
RNDS	Near Detector Telemetry Counts	32.64	BLK	1.417
RFDS	Far Detector Telemetry Counts	33.39	TRI	0.583
DNTT	DSN Tool Temperature	32.64	NO	
DSNS	DSN Tool Status	32.54	NO	
ERND	Near Detector Telemetry Counts EVR	32.64	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	33.39	BLK	0.000
ENTM	DSN Tool Temperature EVR	32.64	NO	

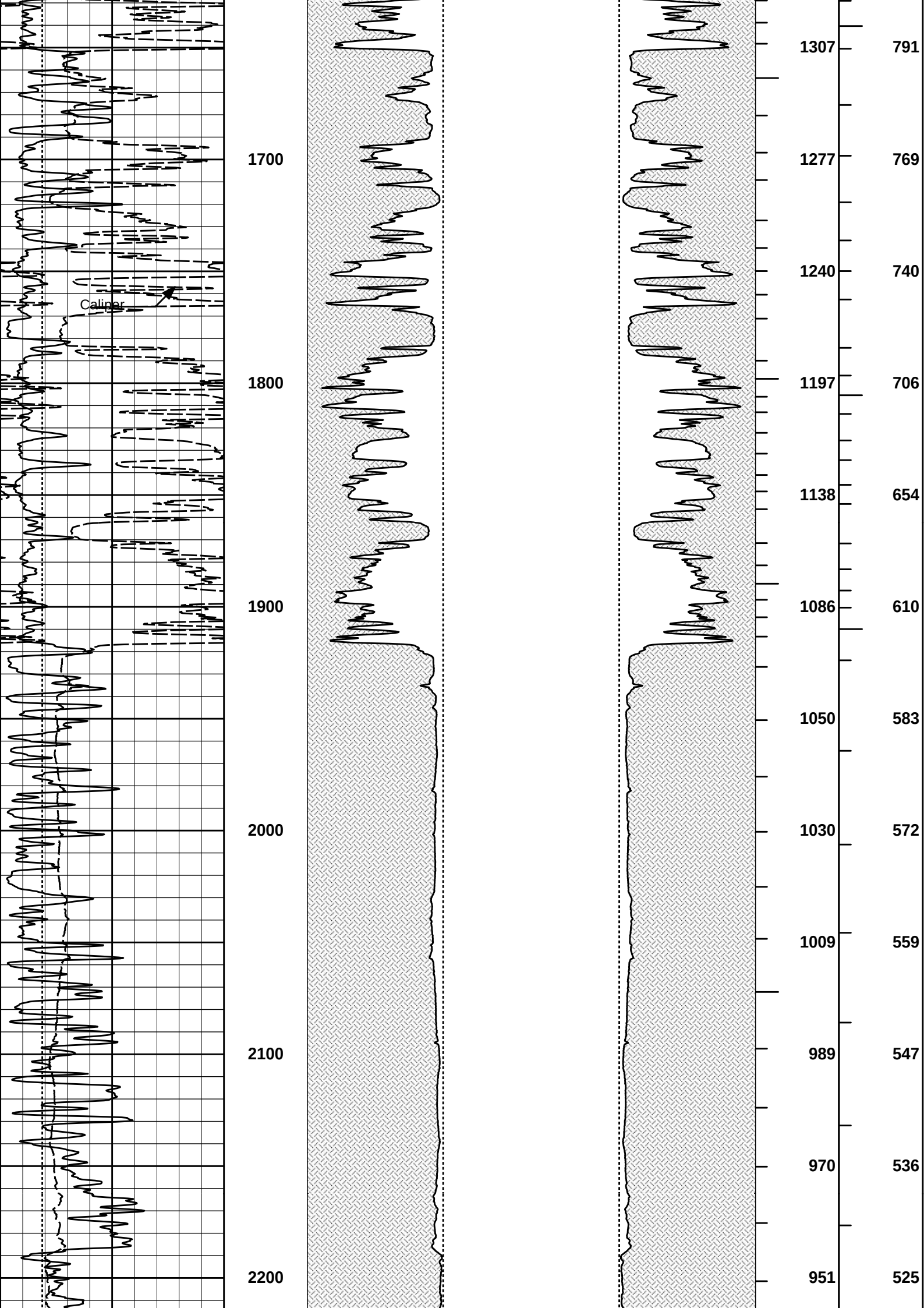
HDIA	Measured Hole Diameter	0.00	NO	
SDLT				
TPUL	Tension Pull	22.65	NO	
PCAL	Pad Caliper	22.65	TRI	0.250
ACAL	Arm Caliper	22.65	TRI	0.250
ACRt Sonde				
TPUL	Tension Pull	2.97	NO	
F1R1	ACRT 12KHz - 80in R value	9.22	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	9.22	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	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	

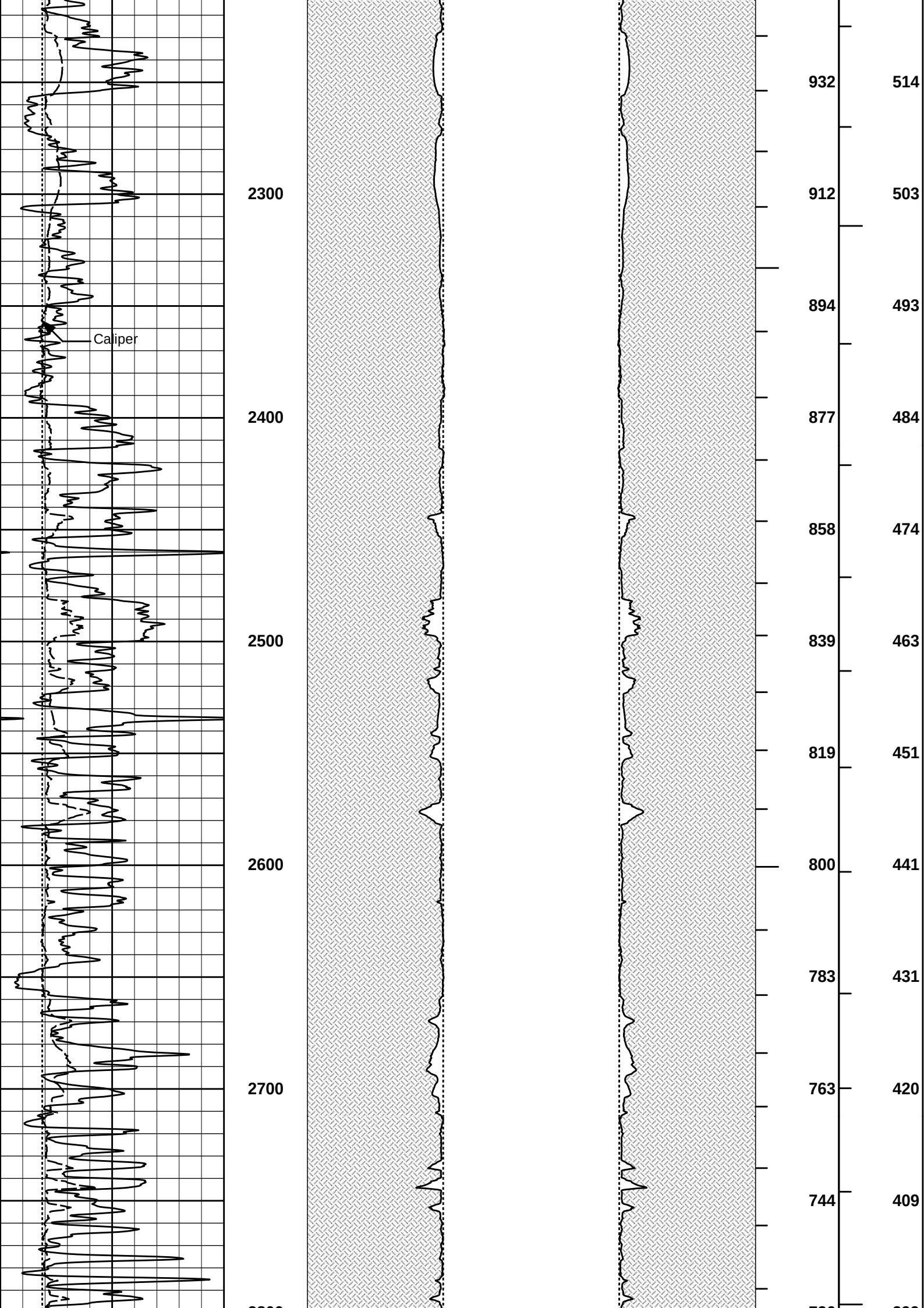
TRBD	Receiver Board Temperature	2.97	NO	
HDIA	Measured Hole Diameter	0.00	NO	
Microlog Pad				
TPUL	Tension Pull	22.83	NO	
MINV	Microlog Lateral	22.83	BLK	0.750
MNOR	Microlog Normal	22.83	BLK	0.750
SDLT Pad				
TPUL	Tension Pull	22.64	NO	
NAB	Near Above	22.46	BLK	0.920
NHI	Near Cesium High	22.46	BLK	0.920
NLO	Near Cesium Low	22.46	BLK	0.920
NVA	Near Valley	22.46	BLK	0.920
NBA	Near Barite	22.46	BLK	0.920
NDE	Near Density	22.46	BLK	0.920
NPK	Near Peak	22.46	BLK	0.920
NLI	Near Lithology	22.46	BLK	0.920
NBAU	Near Barite Unfiltered	22.46	BLK	0.250
NLIU	Near Lithology Unfiltered	22.46	BLK	0.250
FAB	Far Above	22.81	BLK	0.250
FHI	Far Cesium High	22.81	BLK	0.250
FLO	Far Cesium Low	22.81	BLK	0.250
FVA	Far Valley	22.81	BLK	0.250
FBA	Far Barite	22.81	BLK	0.250
FDE	Far Density	22.81	BLK	0.250
FPK	Far Peak	22.81	BLK	0.250
FLI	Far Lithology	22.81	BLK	0.250
PTMP	Pad Temperature	22.65	BLK	0.920
NHV	Near Detector High Voltage	22.04	NO	
FHV	Far Detector High Voltage	22.04	NO	
ITMP	Instrument Temperature	22.04	NO	
DDHV	Detector High Voltage	22.04	NO	
HDIA	Measured Hole Diameter	0.00	NO	
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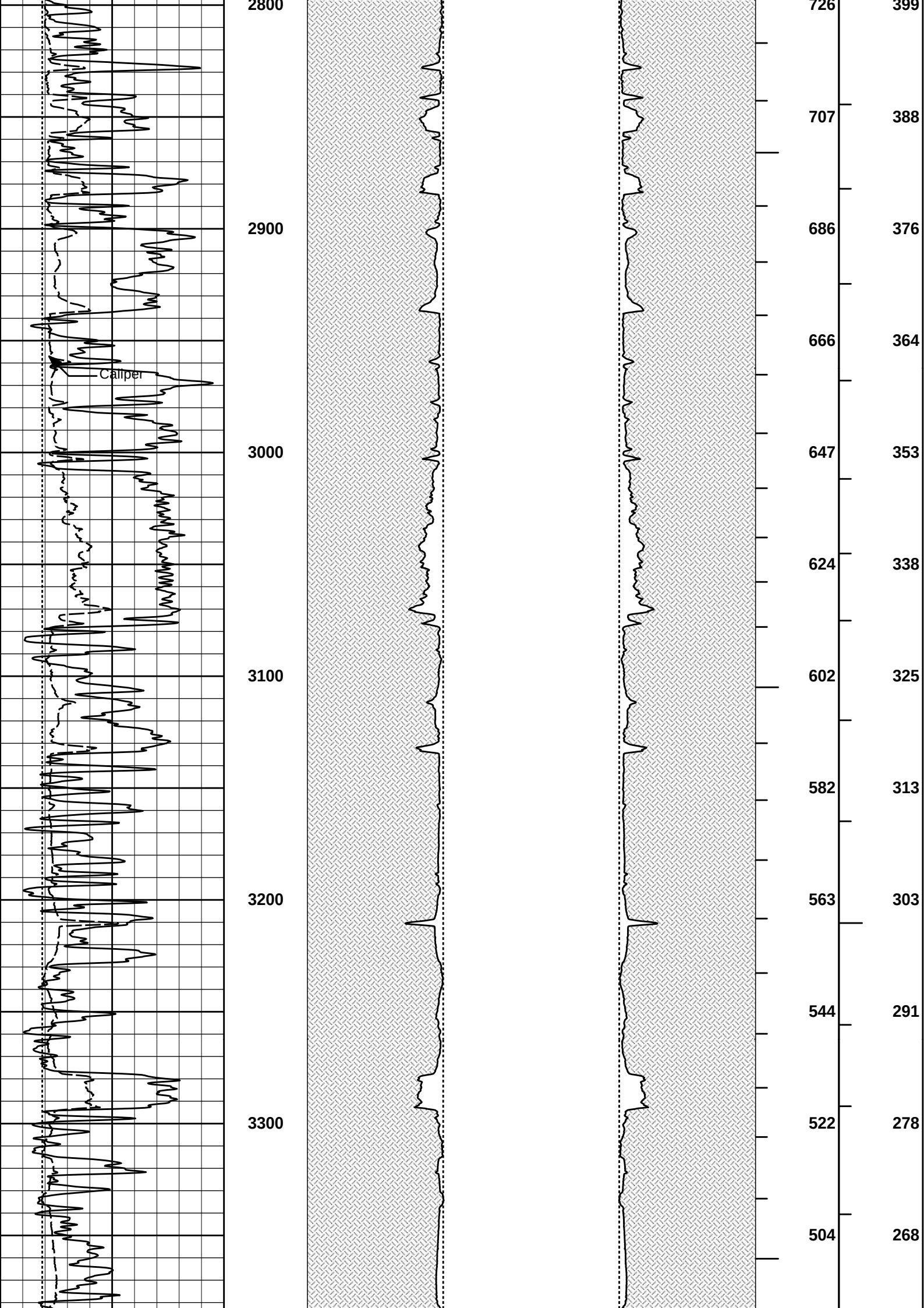


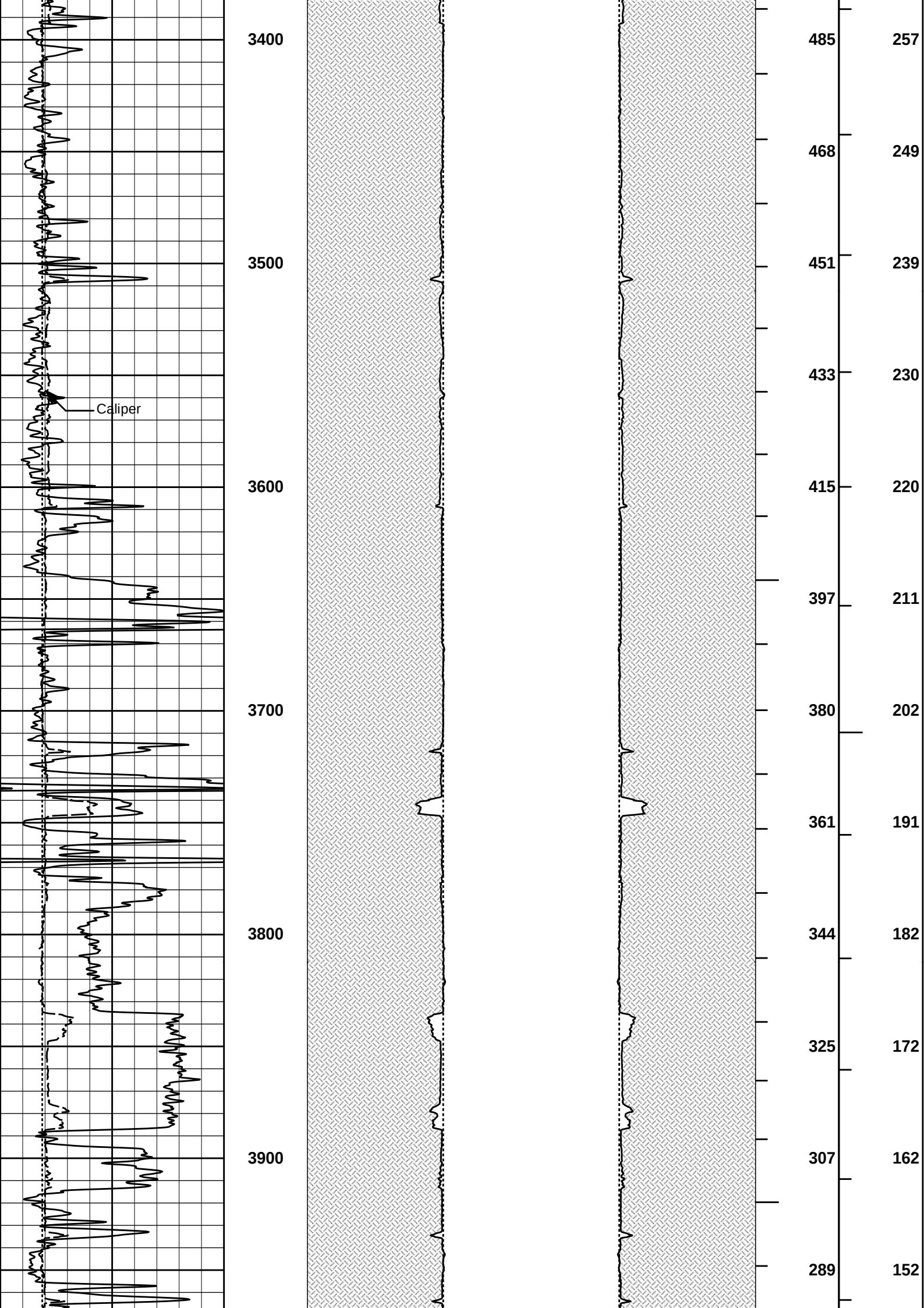


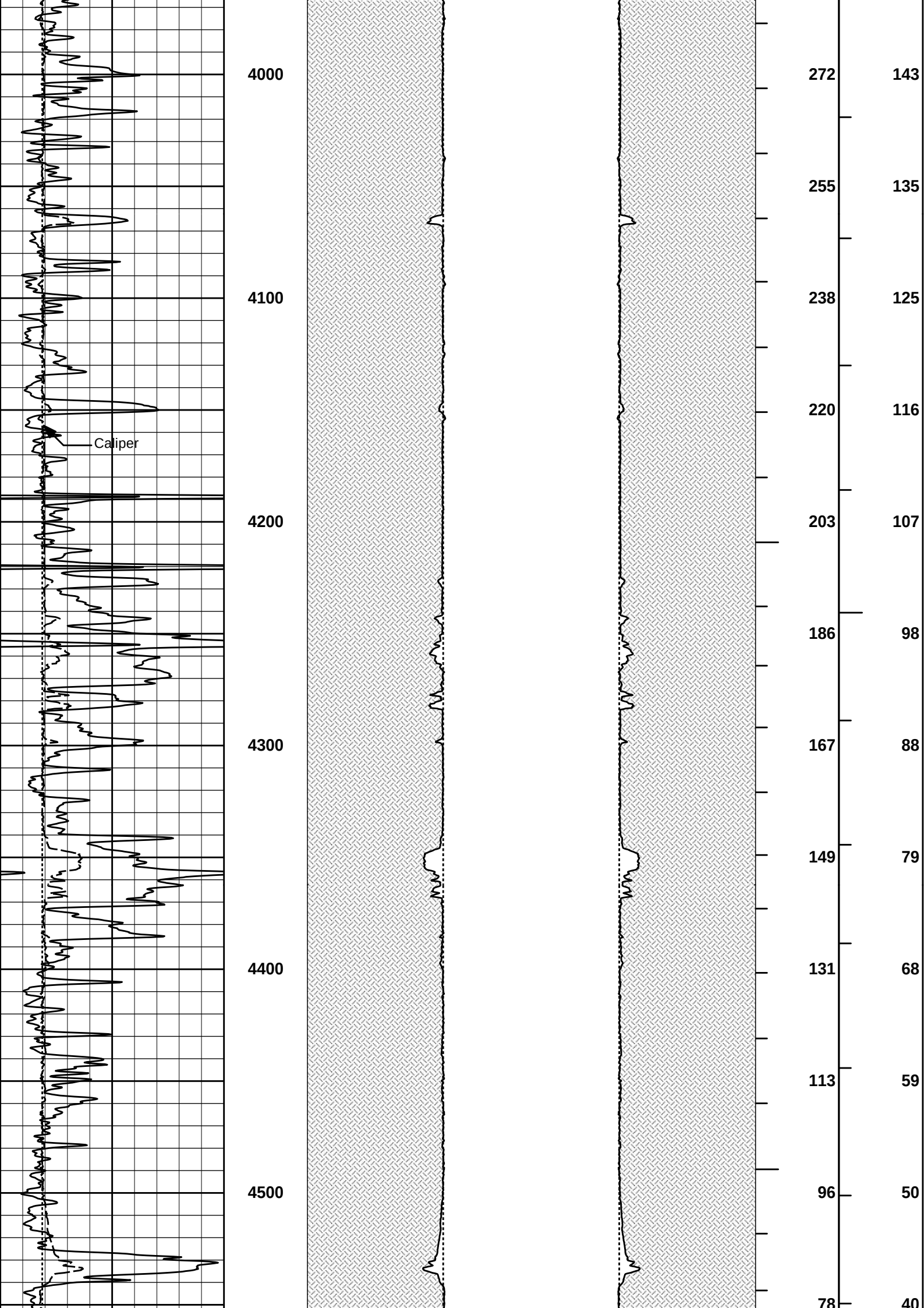


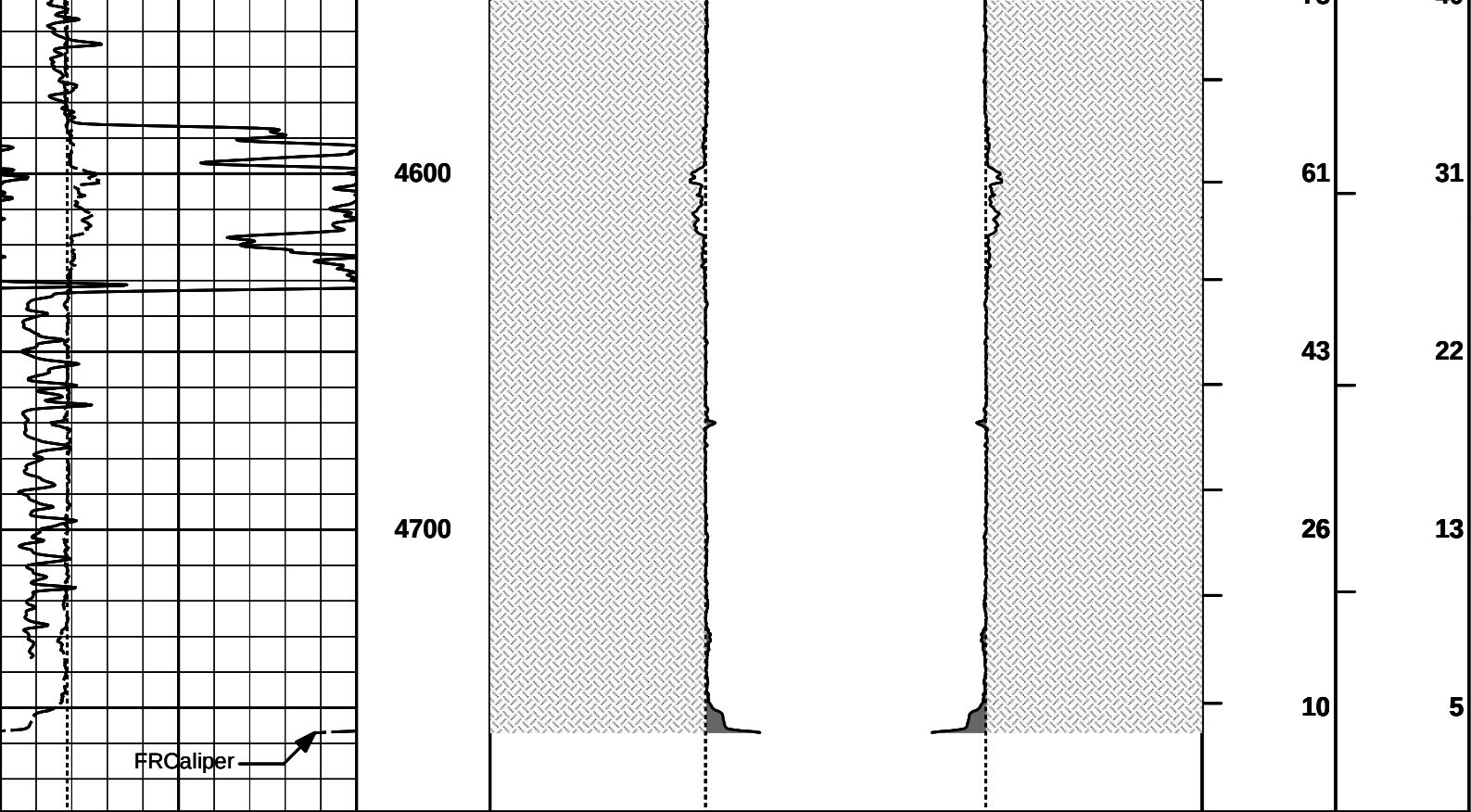












6	Caliper	16	MD 1 : 600 ft	20	Caliper	0 0	20	BHVT	AHVT
	inches				inches				
6	Bit Size	16		20	Bit Size	0 0	20		
	inches								
0	Gamma API	150			MUDCAKE		MUDCAKE		
	api								

HALLIBURTON

Plot Time: 13-May-16 01:34:14
Plot Range: 380 ft to 4779.25 ft
Data: MONEY-SHOT_1-21\Well Based\MAIN\
Plot File: \\-LOCAL-MONEY-SHOT_1-21\Well Based\POROSITY\AHV_2_IQ_LIB

ANNULAR HOLE VOLUME PLOT

COMPANY	CMX INC		
WELL	MONEY SHOT #1-21		
FIELD	WILDCAT		
COUNTY	PRATT	STATE	KANSAS
HALLIBURTON		DUAL SPACED NEUTRON SPECTRAL DENSITY LOG	