

ARRAY COMPENSATED  
TRUE RESISTIVITY  
SPECTRAL DENSITY  
DUAL SPACED NEUTRON

Fold here

LOGGING DATA

[illegible]

## DIRECTIONAL INFORMATION

Maximum Deviation	@	KOP	@
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Remarks: RWCH-GTET-DSNT-SDLT-ACRT RUN IN COMBINATION.

ANNULAR HOLE VOLUME CALCULATED USING 4.5-INCH PRODUCTION CASING.

TENSION PULLS, WASHOUTS AND BOREHOLE RUGOSITY AFFECT LOG RESPONSE.

YOUR CREW TODAY: A. AXE, J. BYRGE

THANK YOU FOR CHOOSING HALLIBURTON WIRELINE. BRIGHTON, CO.

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## 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	9.600	ppg
	SHARED	WAGT	Weighting Agent	Natural	
	SHARED	BSAL	Borehole salinity	850.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
	SHARED	RMUD	Mud Resistivity	1.100	ohmm
	SHARED	TRM	Temperature of Mud	82.4	degF
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	4.500	in
	SHARED	ST	Surface Temperature	56.0	degF
	SHARED	TD	Total Well Depth	7735.00	ft
	SHARED	BHT	Bottom Hole Temperature	157.1	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	
	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	Sandstone	
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	
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	2.680	g/cc
SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
Microlog Pad	MLOK	Process MicroLog Outputs?	Yes	
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

BOTTOM

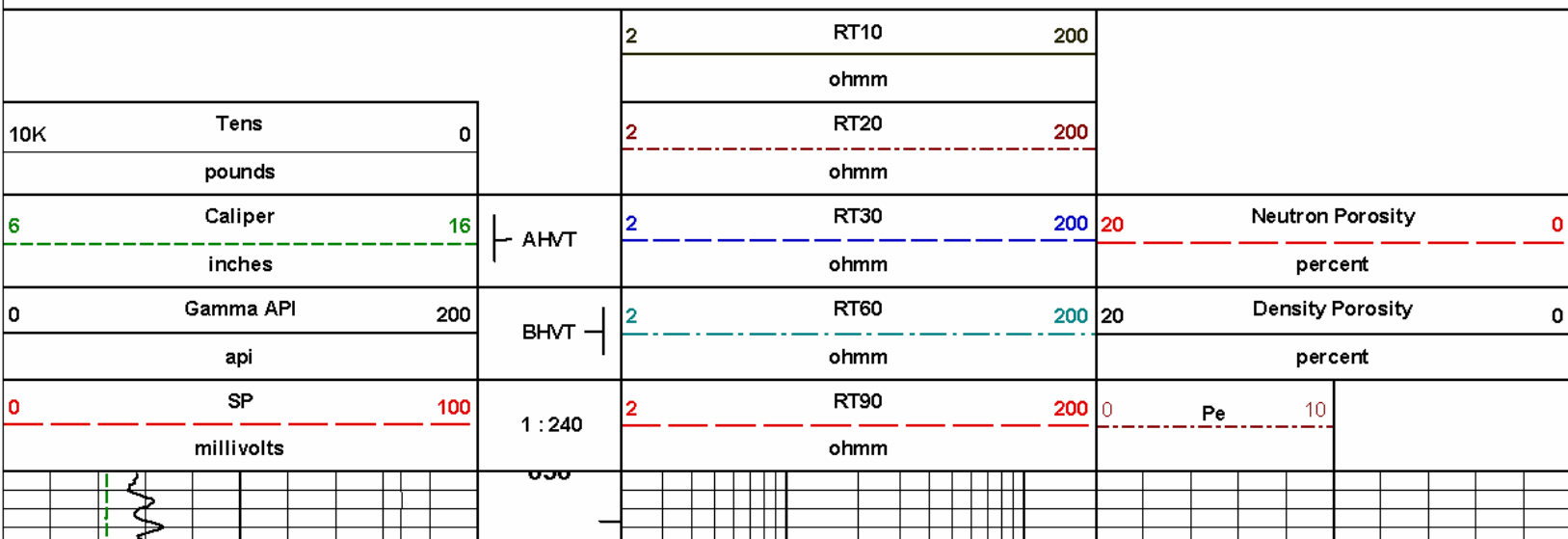
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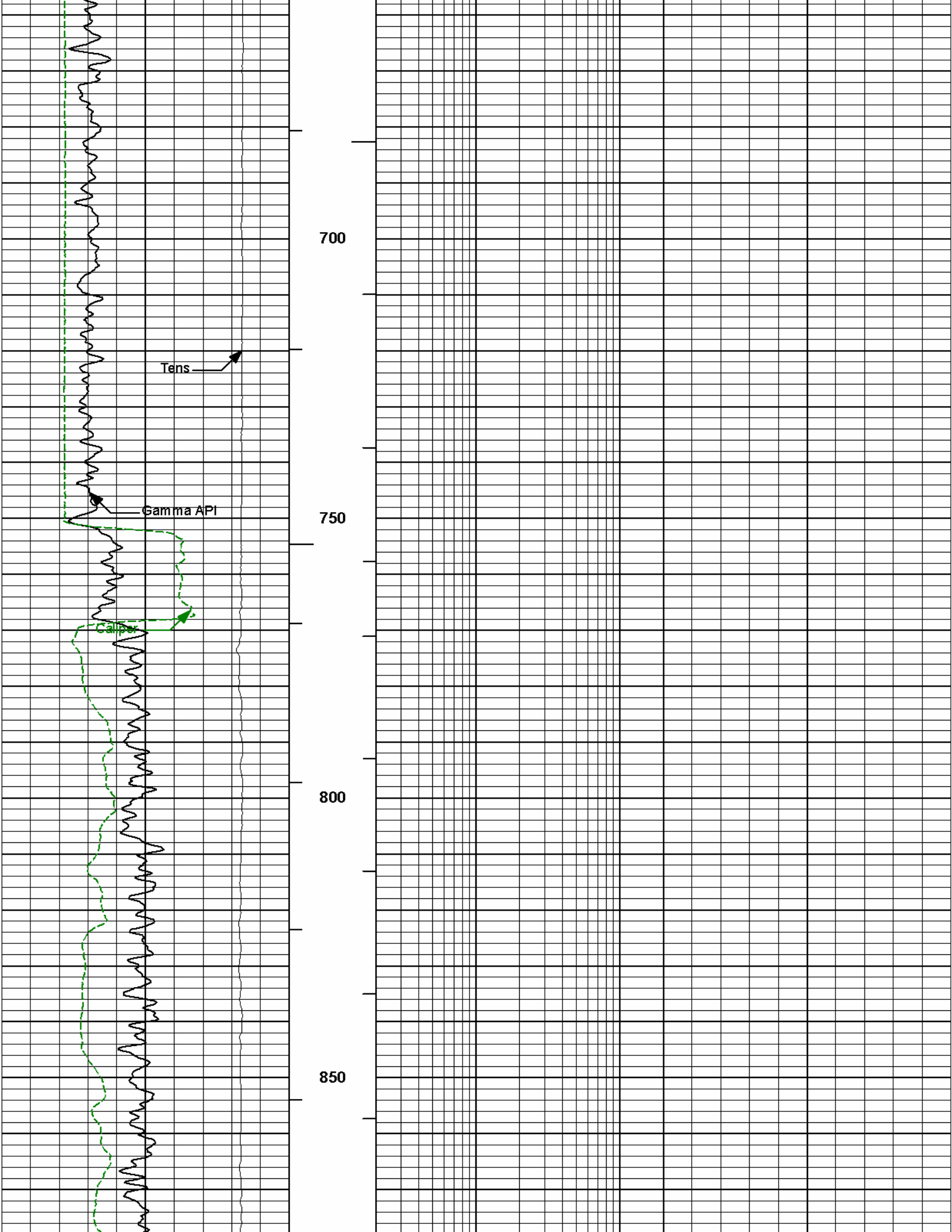
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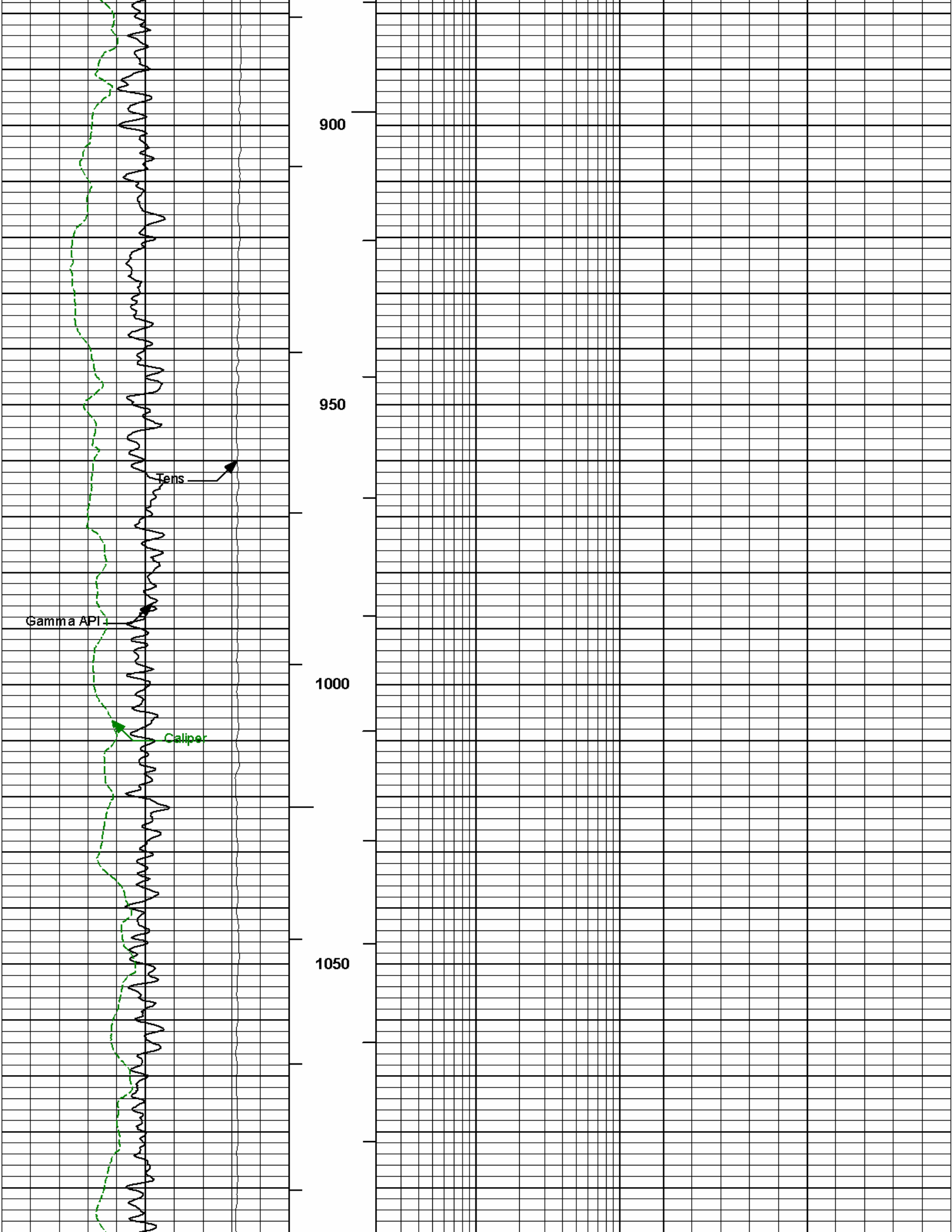
**HALLIBURTON**

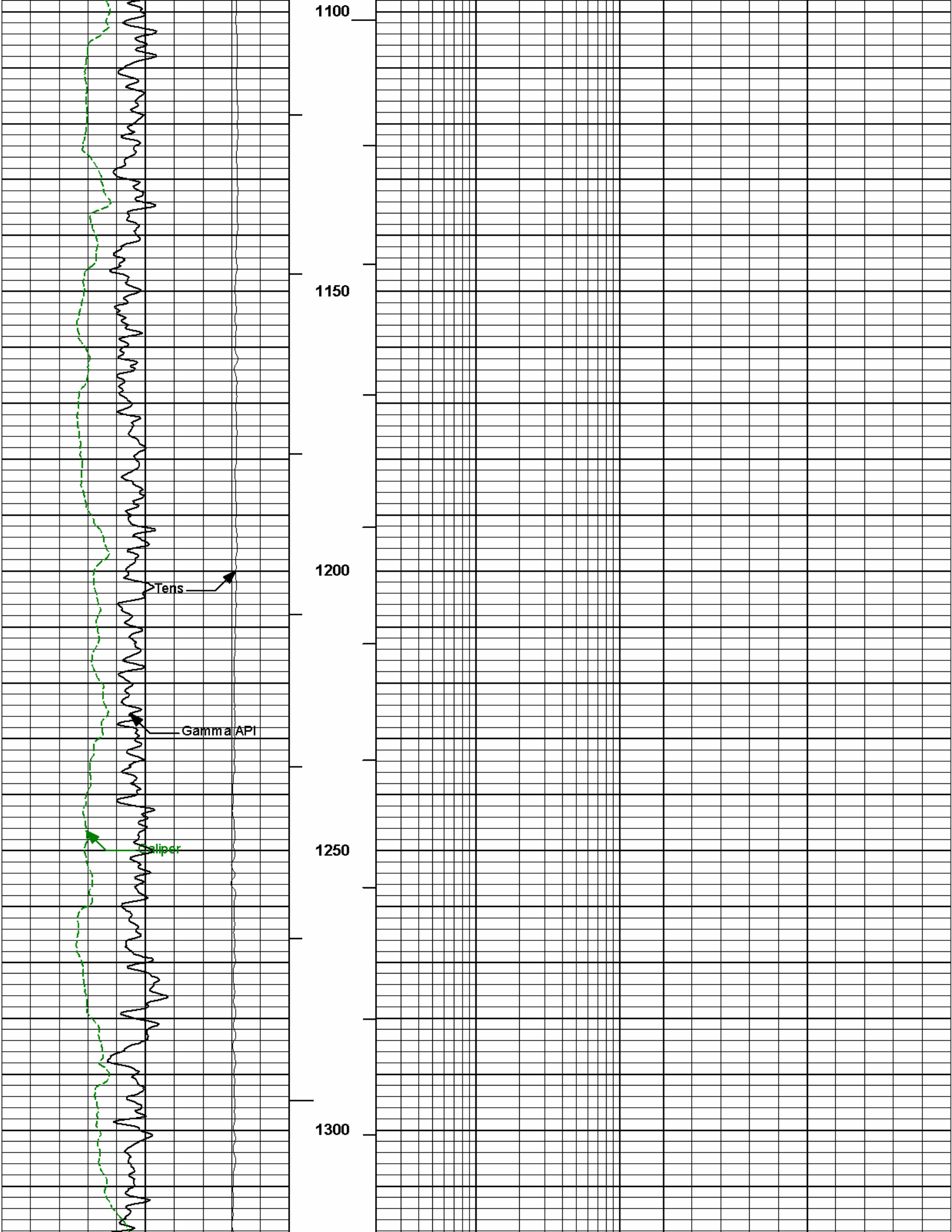
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Plot Range: 650 ft to 7749.08 ft  
Data: BAYSWATER\Well Based\MERGED MAIN\*  
Plot File: \COMP\MAIN

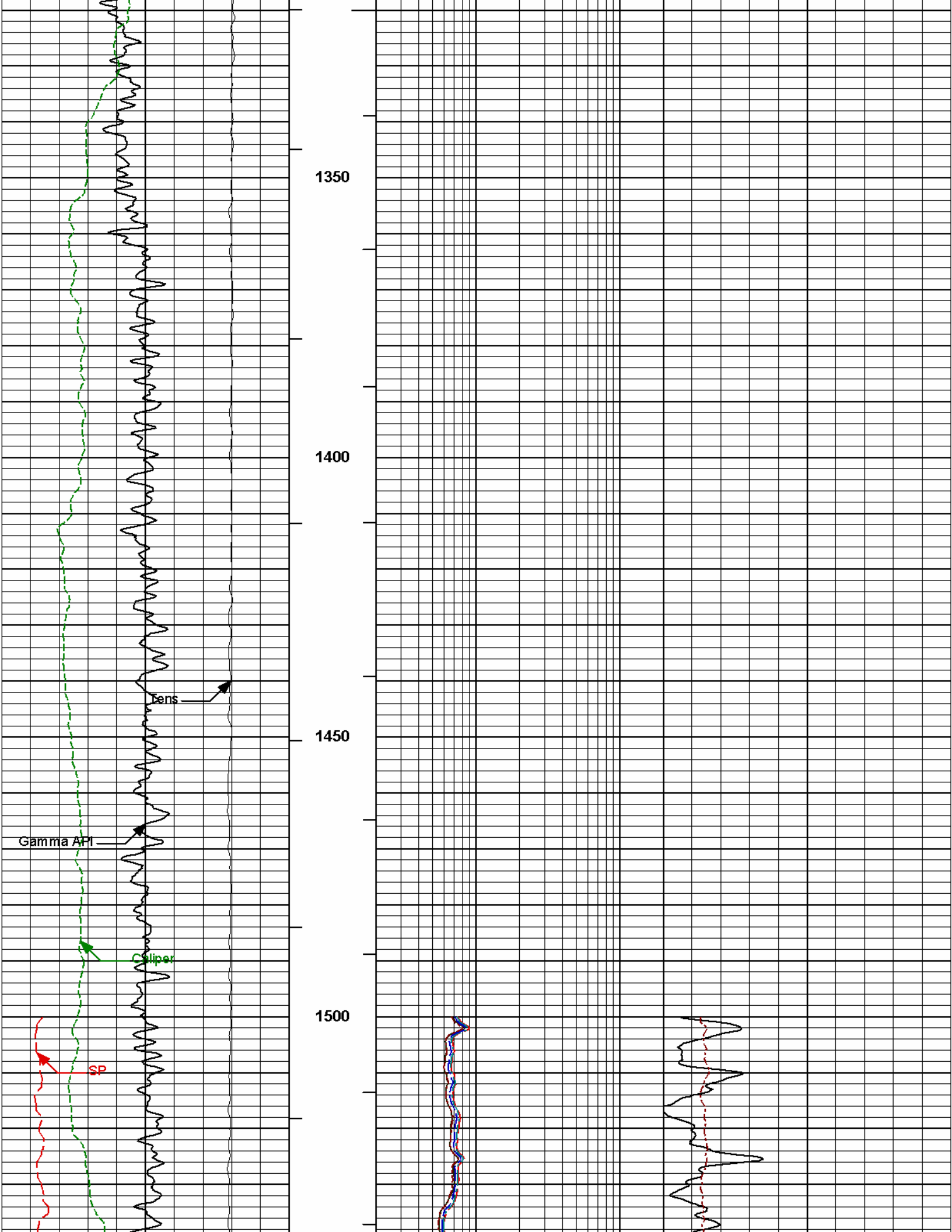
MAIN PASS 5" = 100'

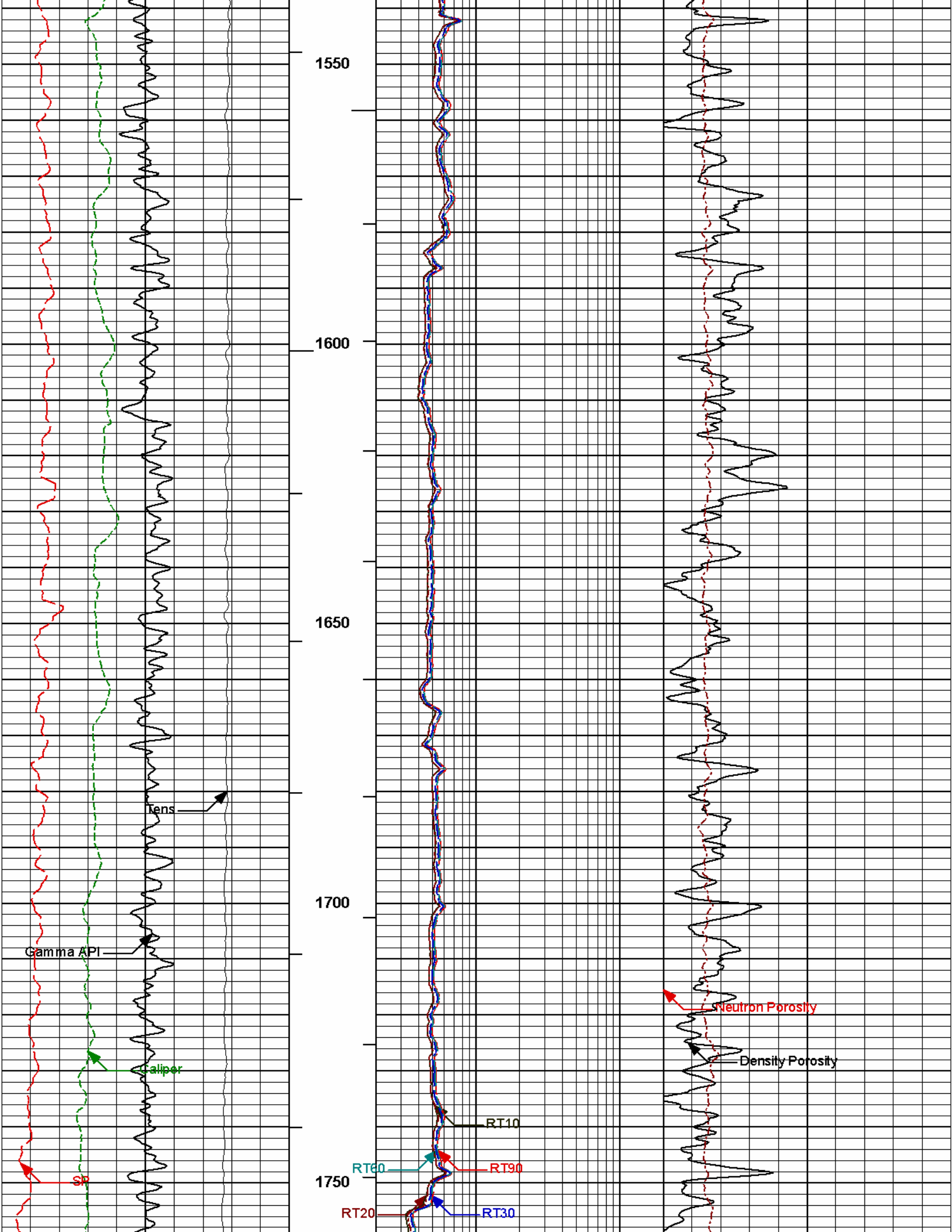




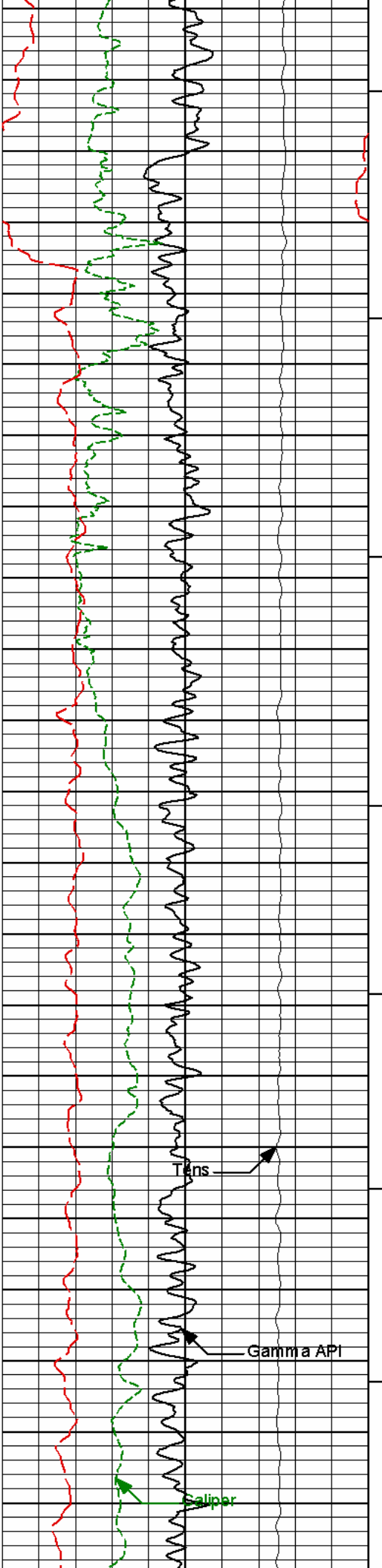










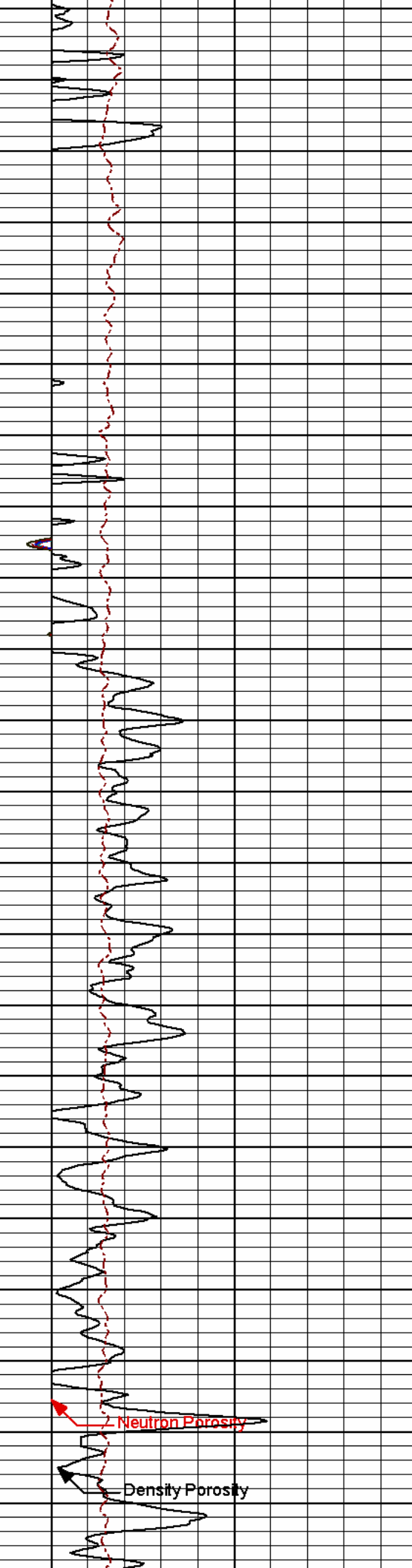
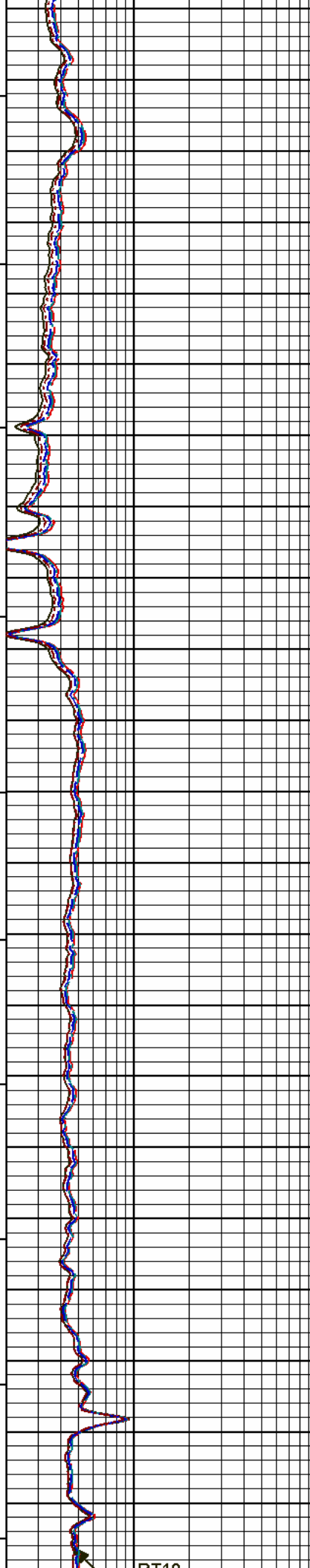


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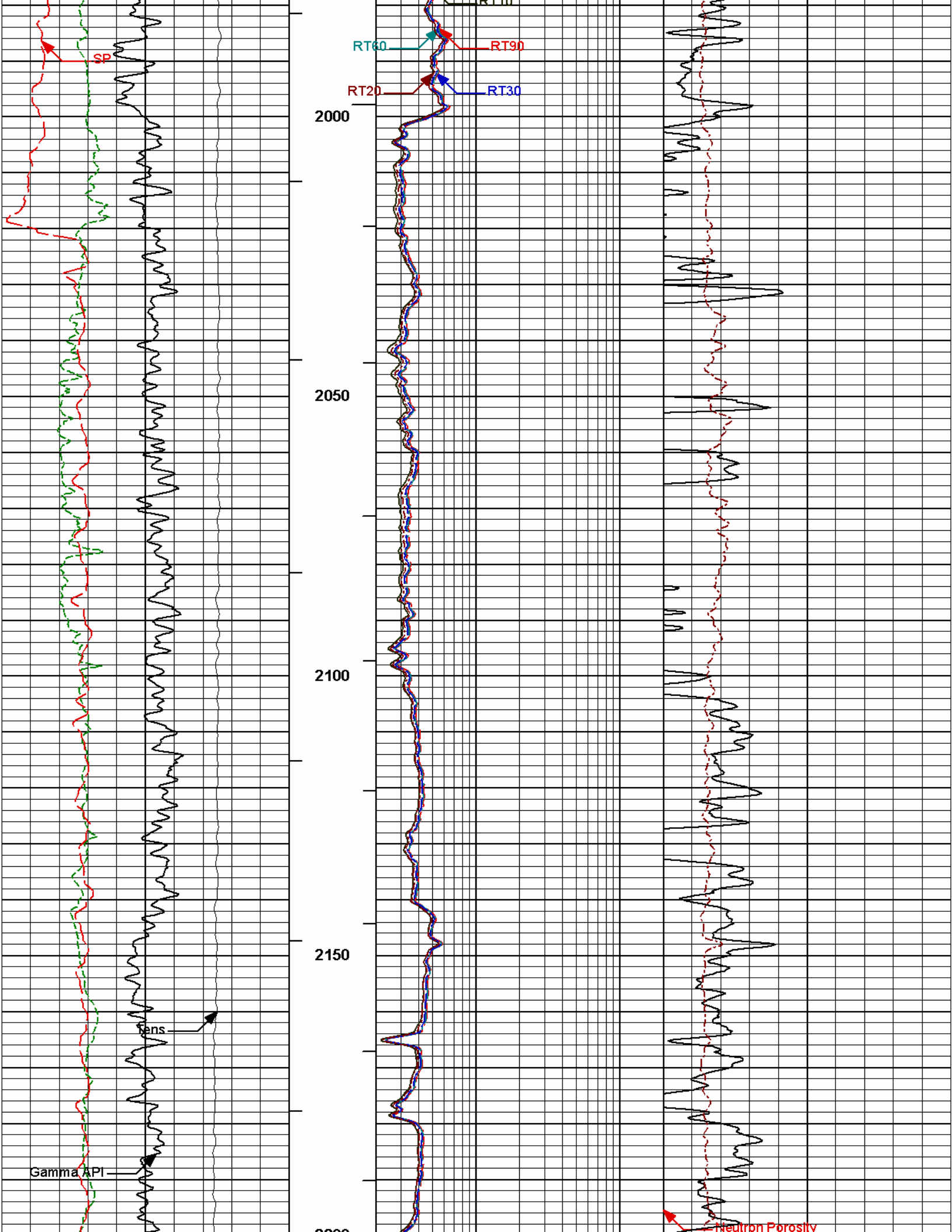
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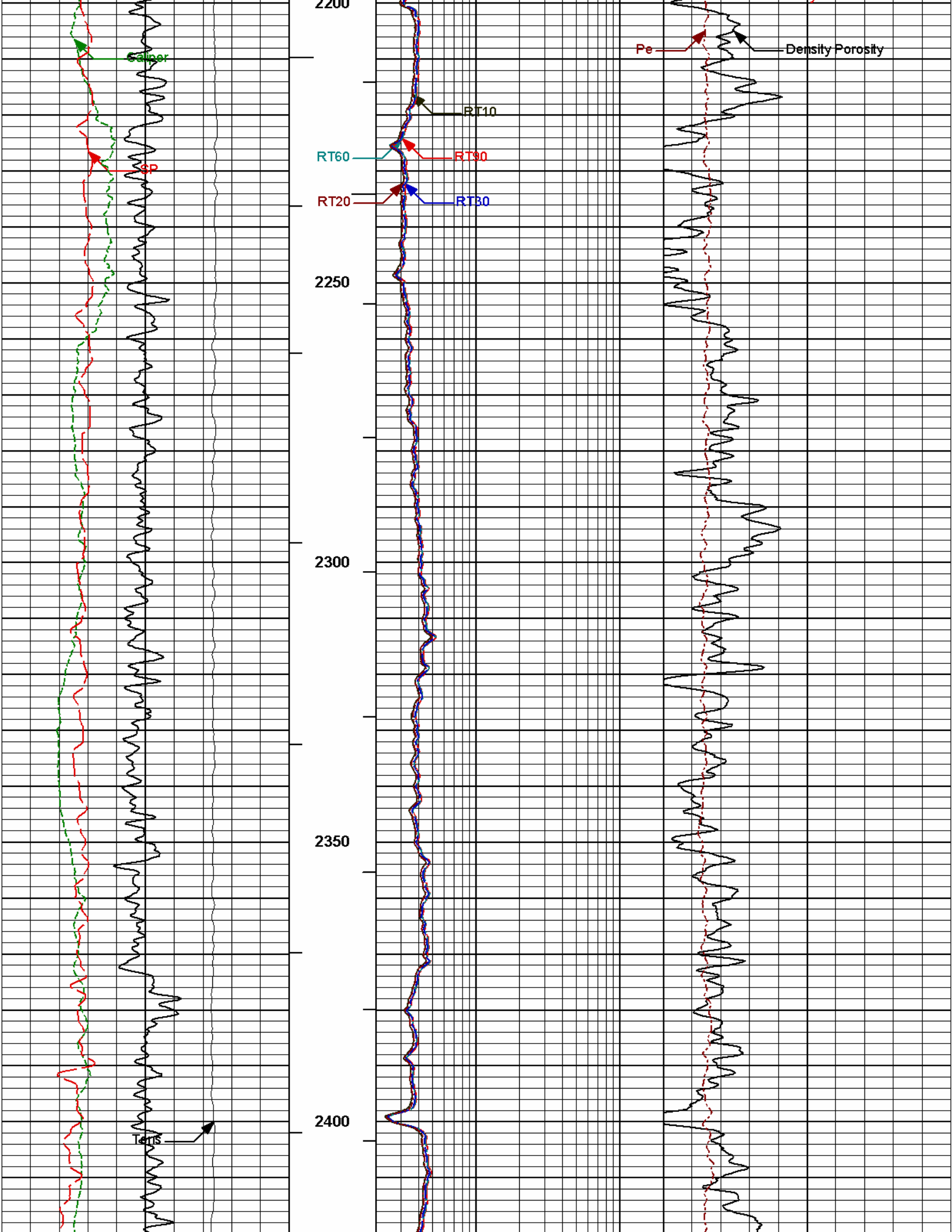
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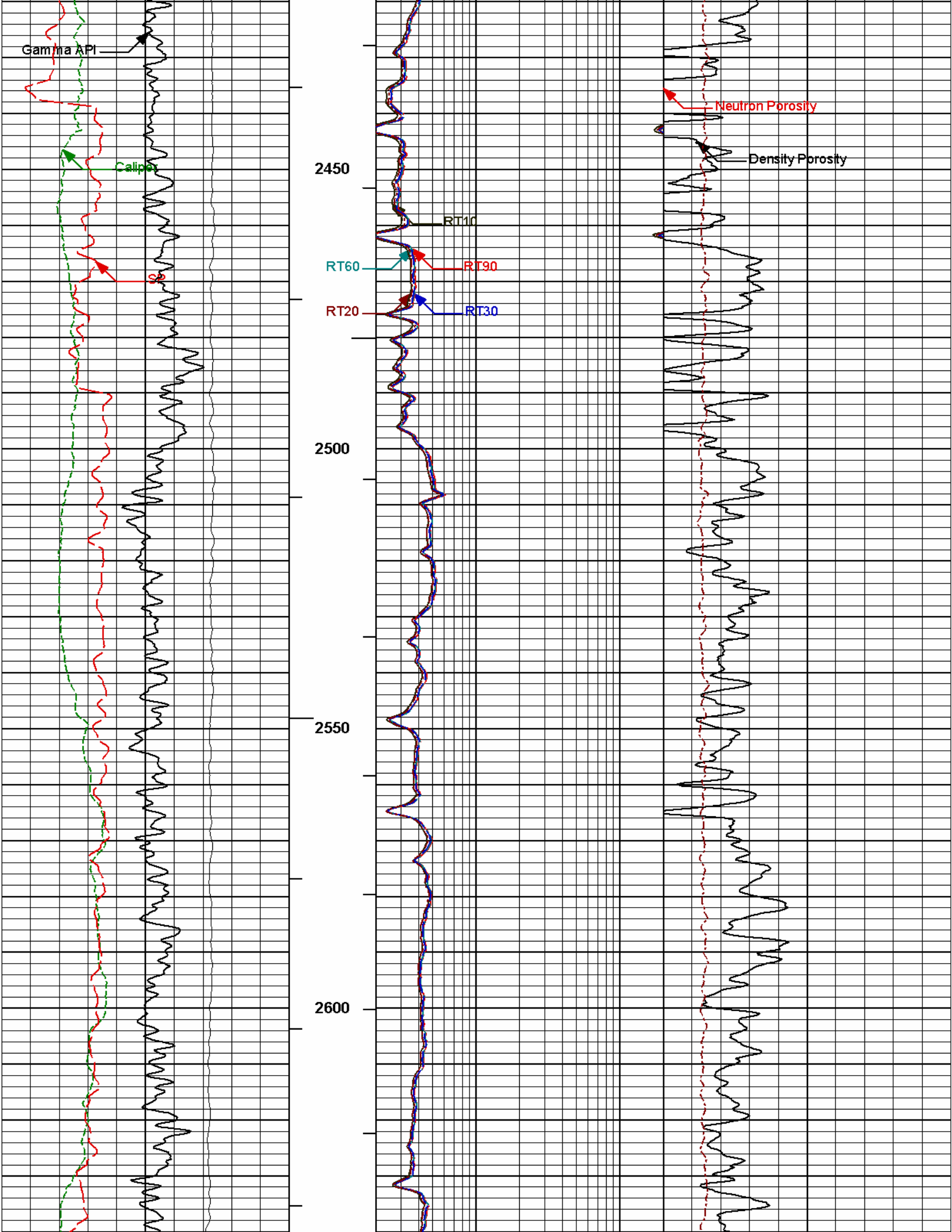
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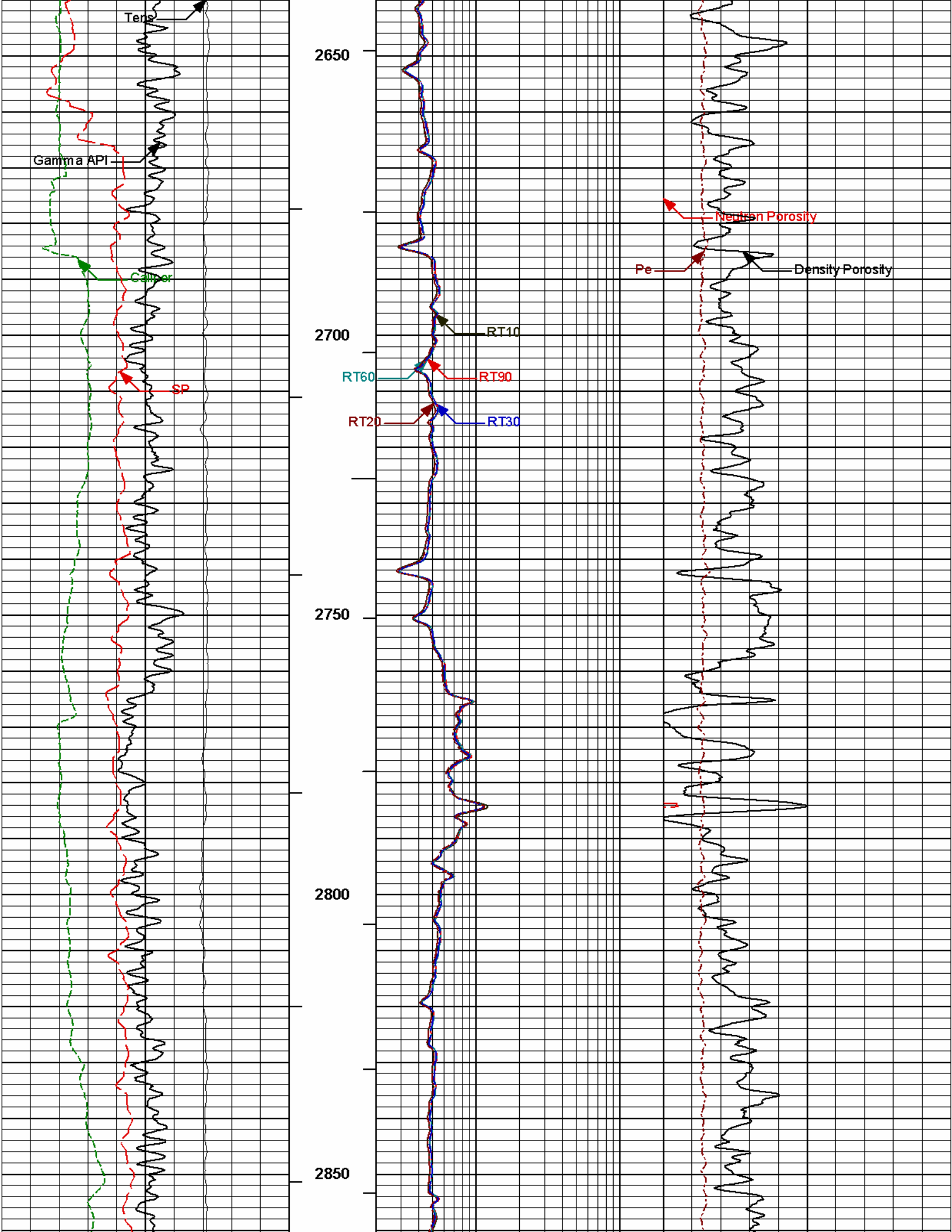


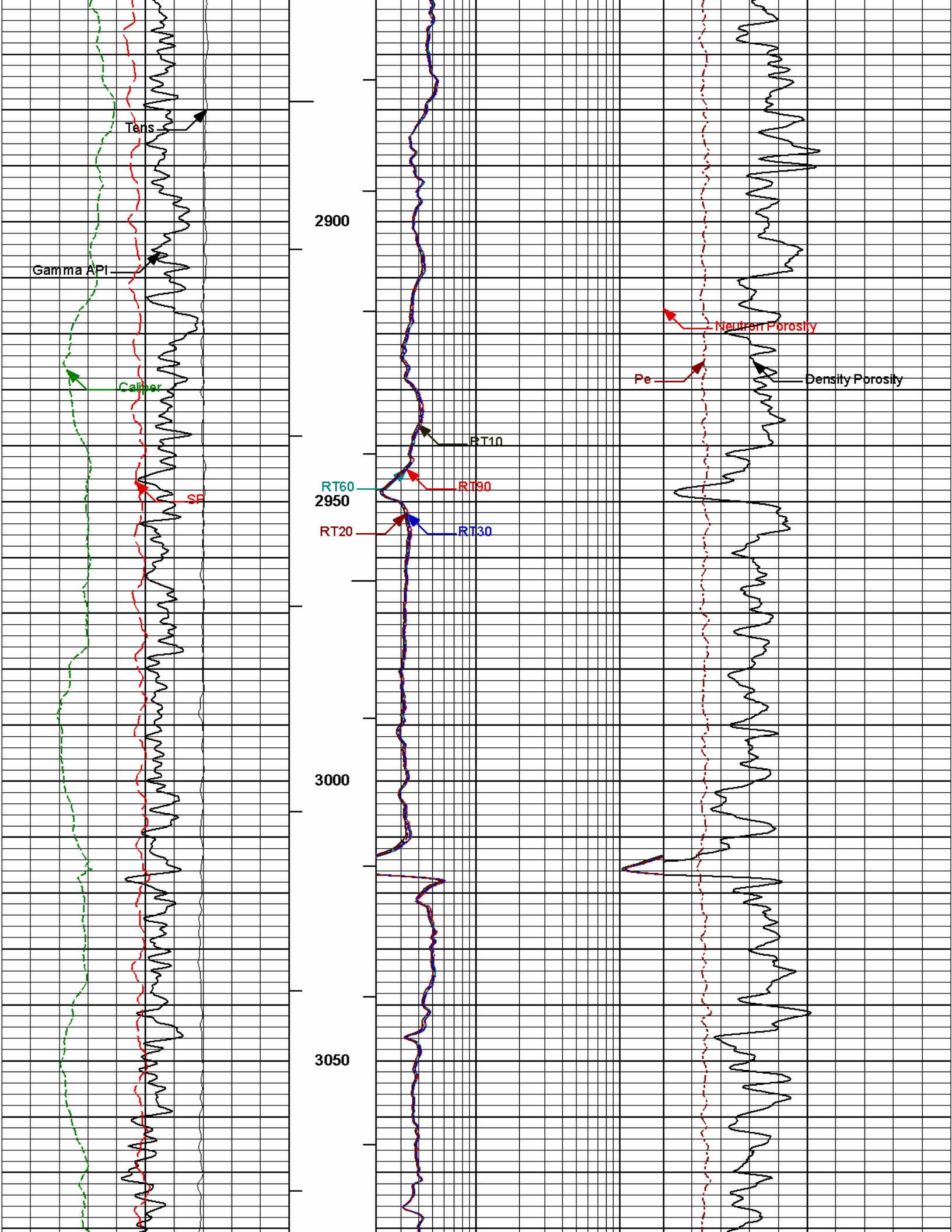
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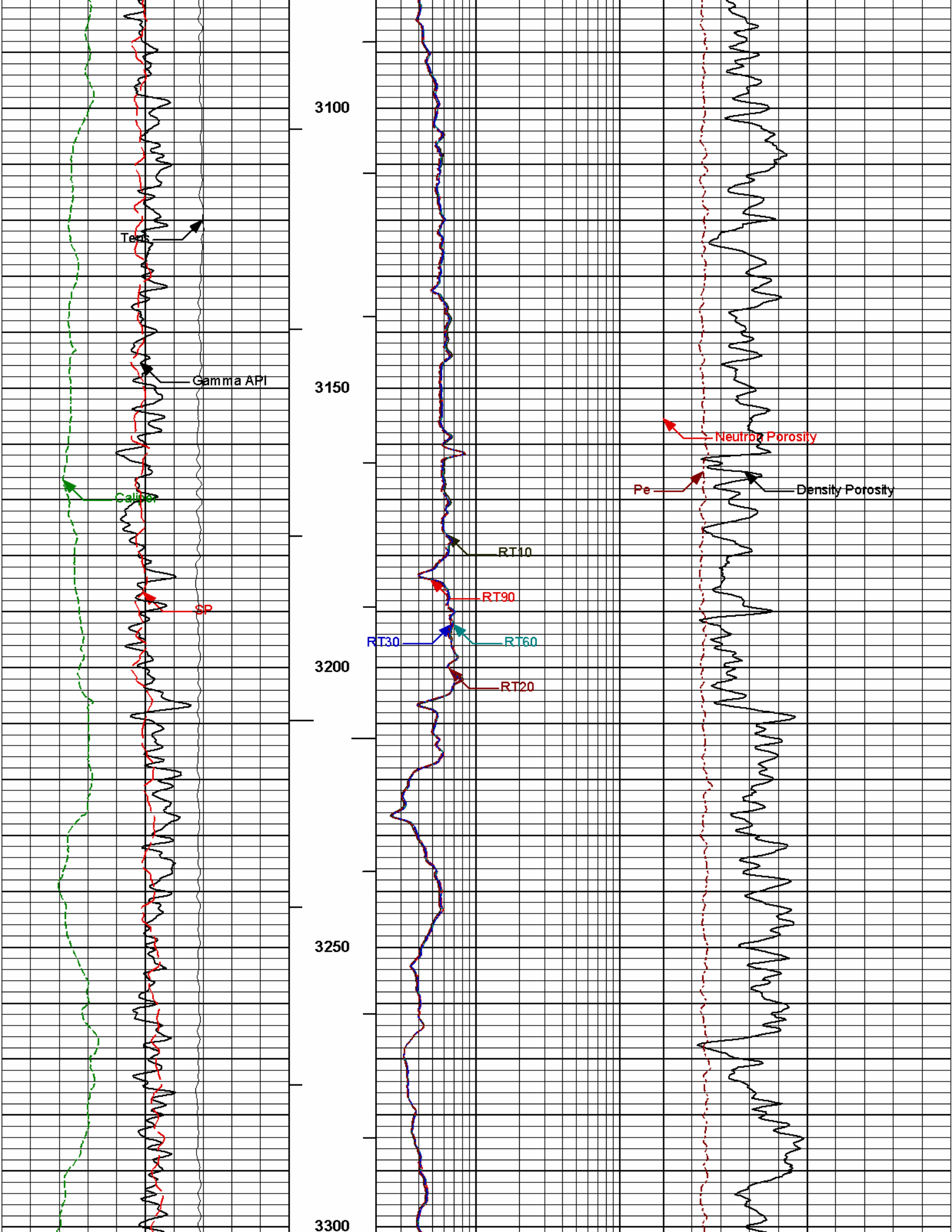


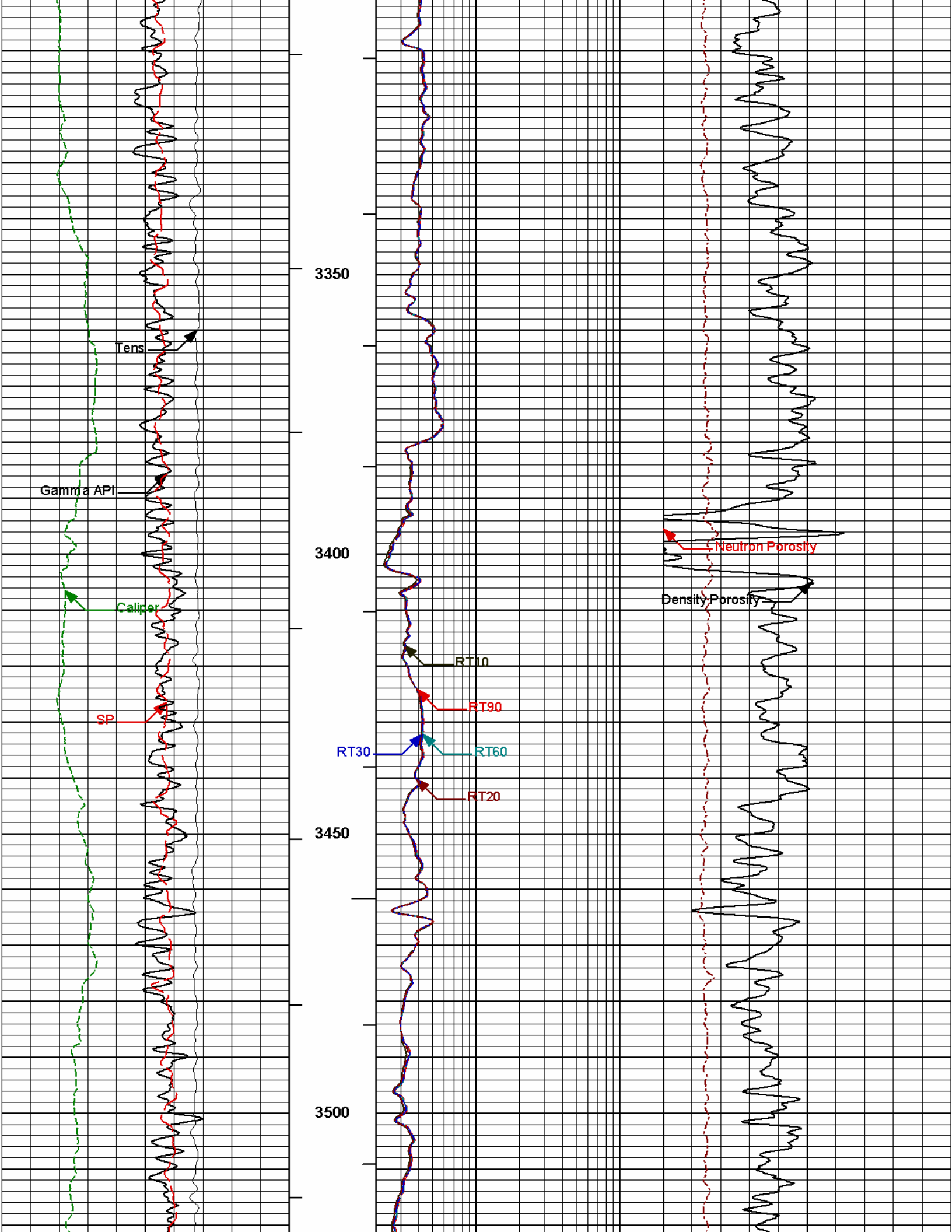




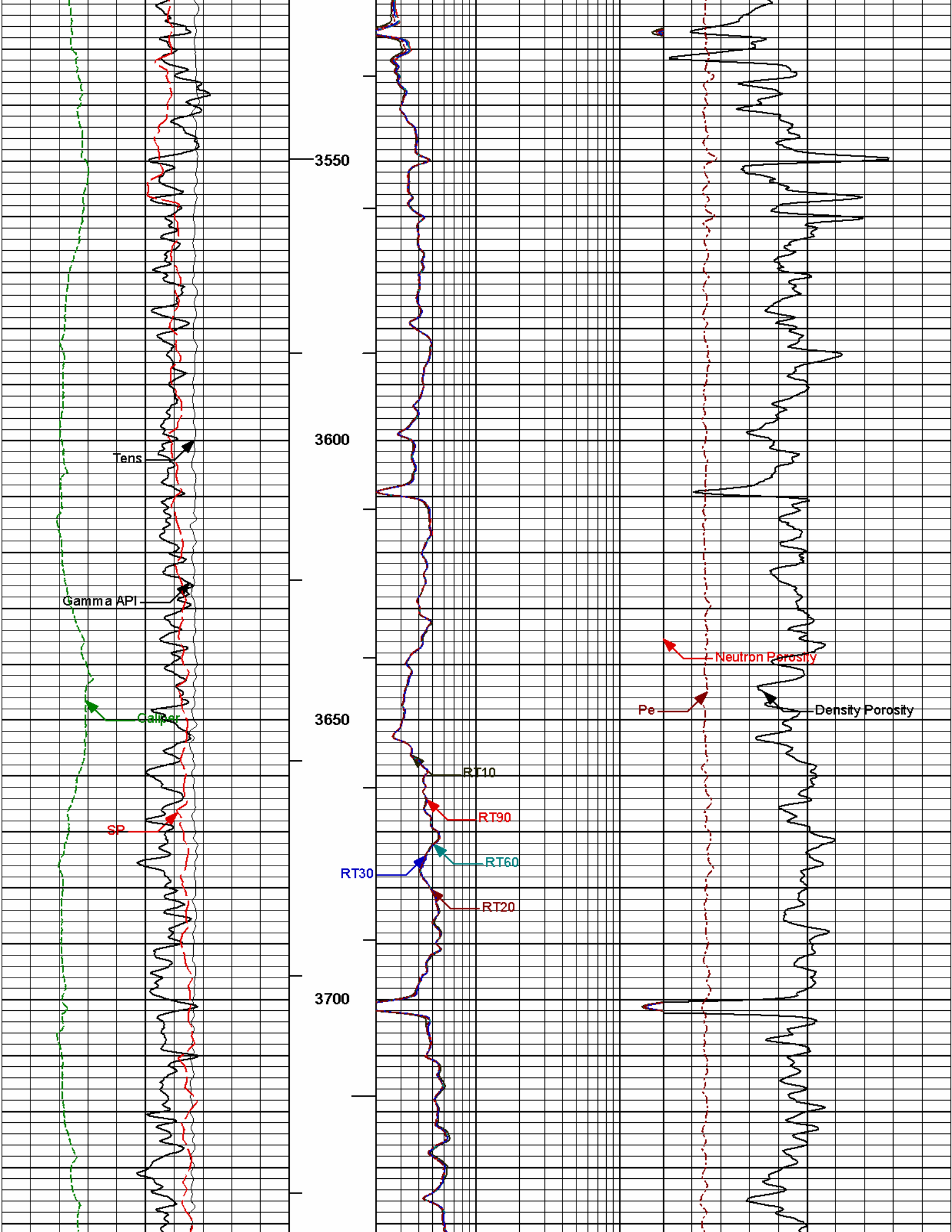


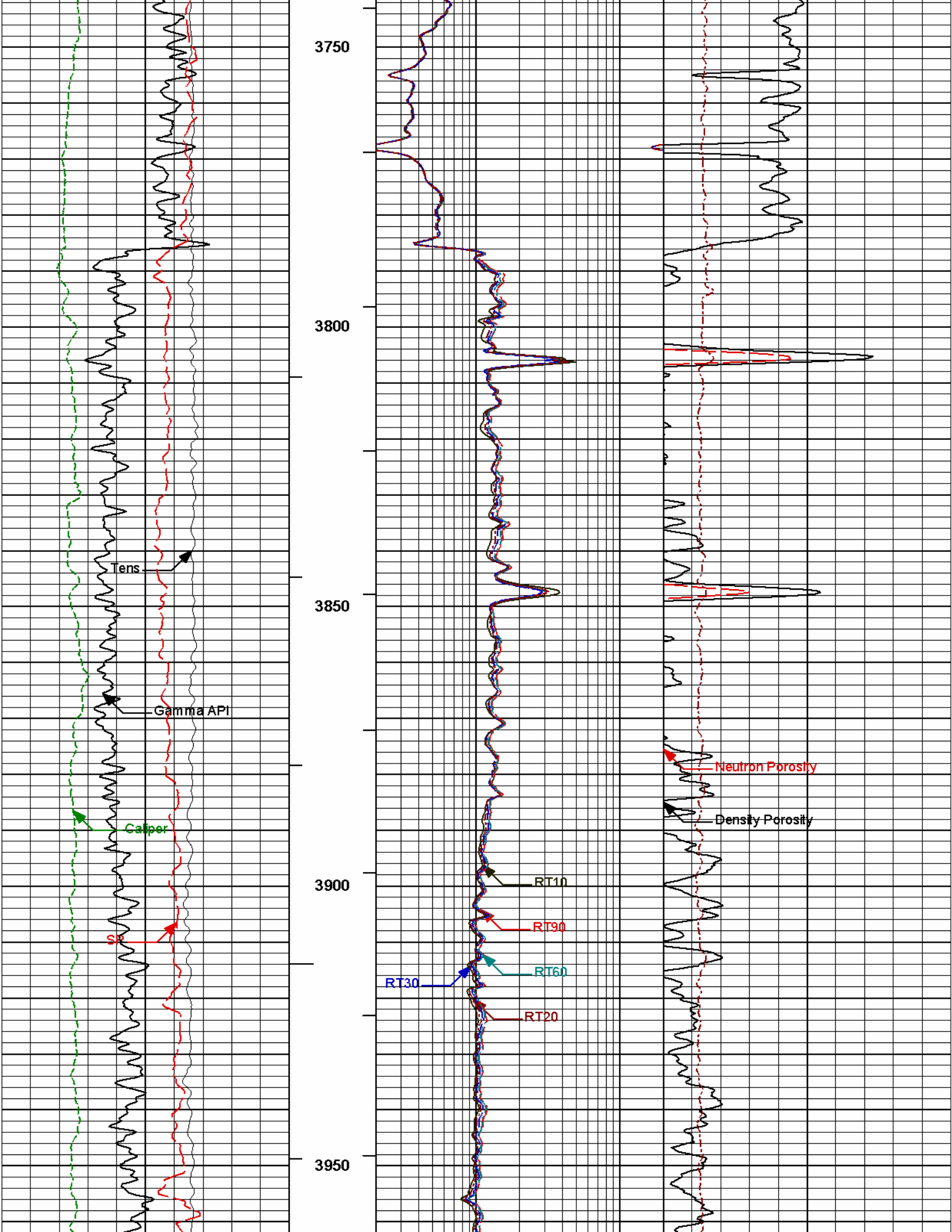


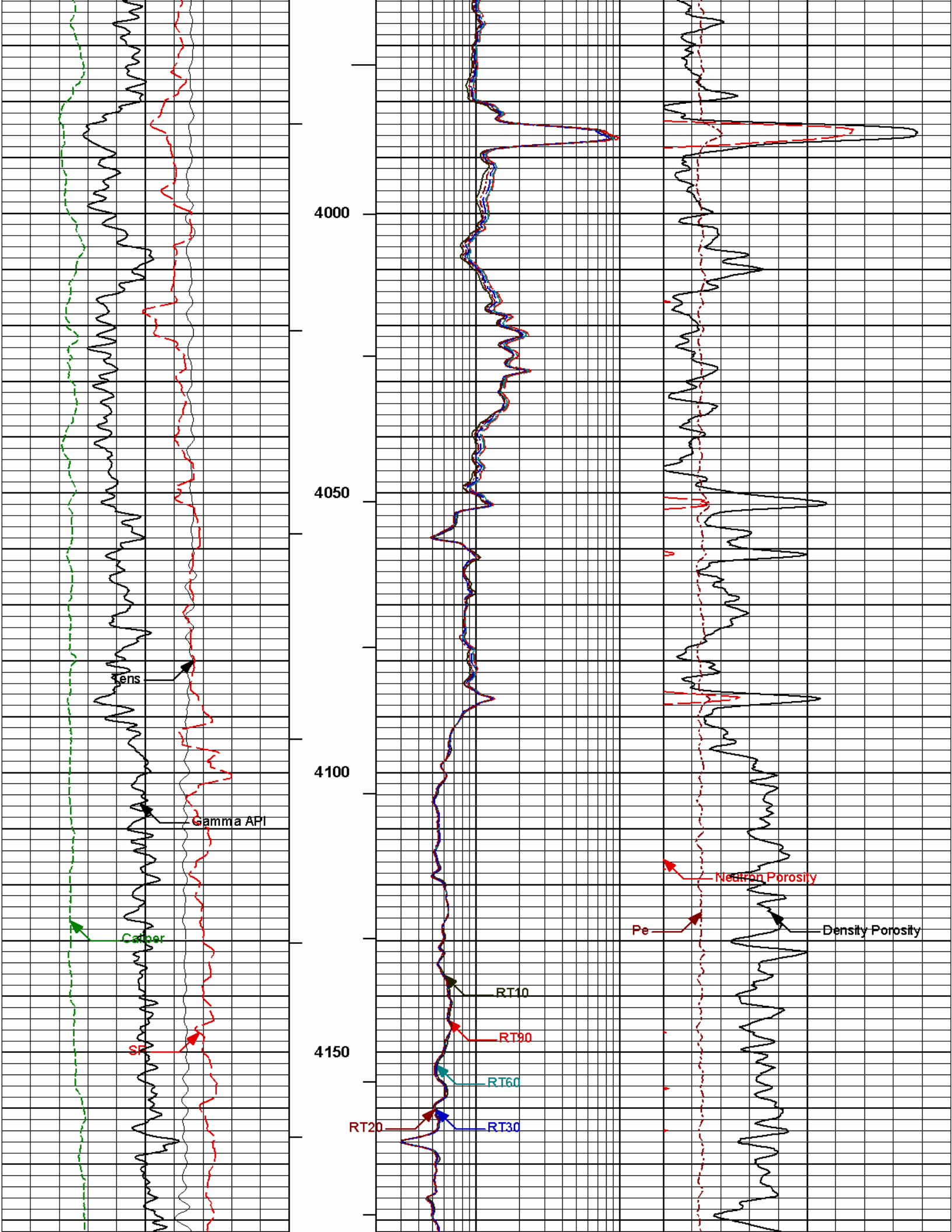


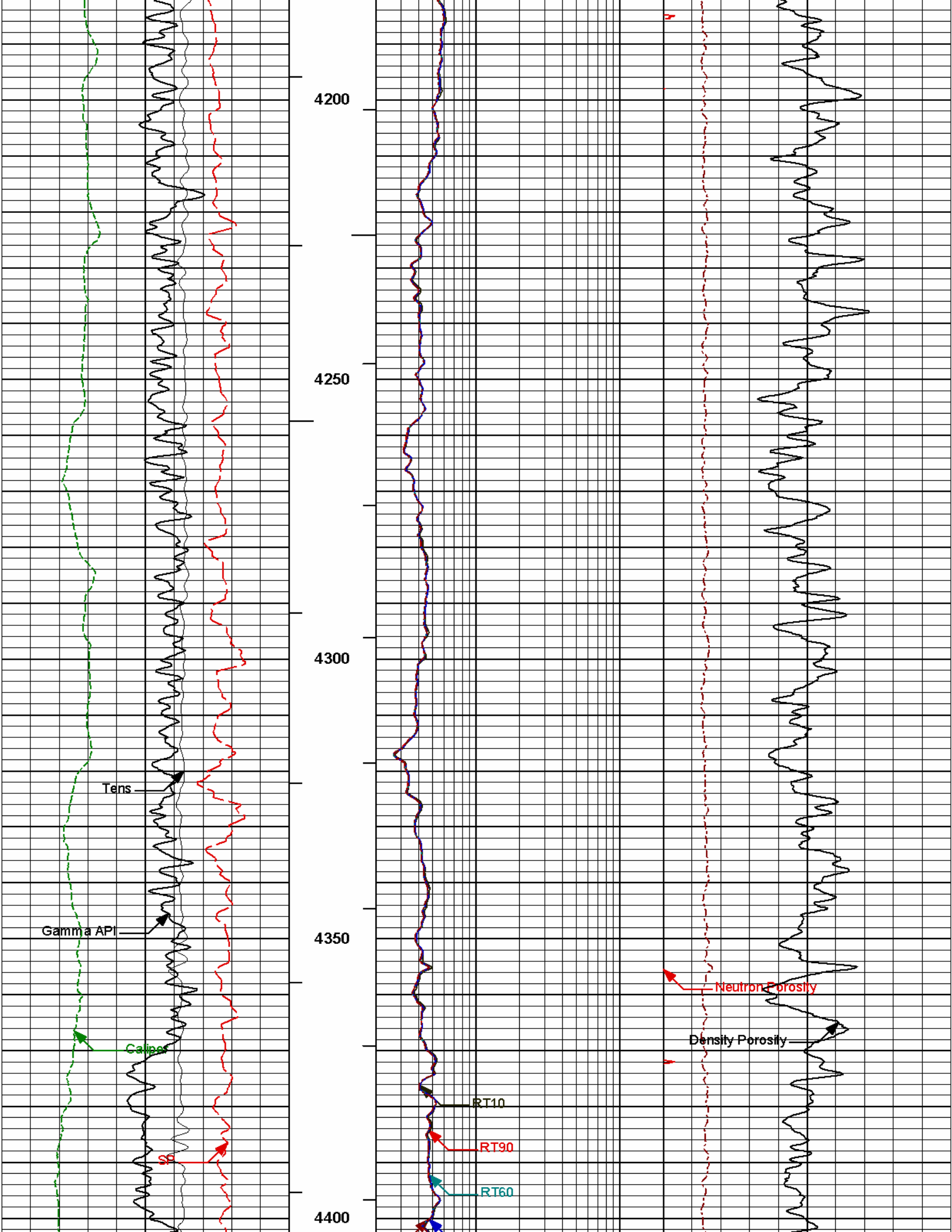


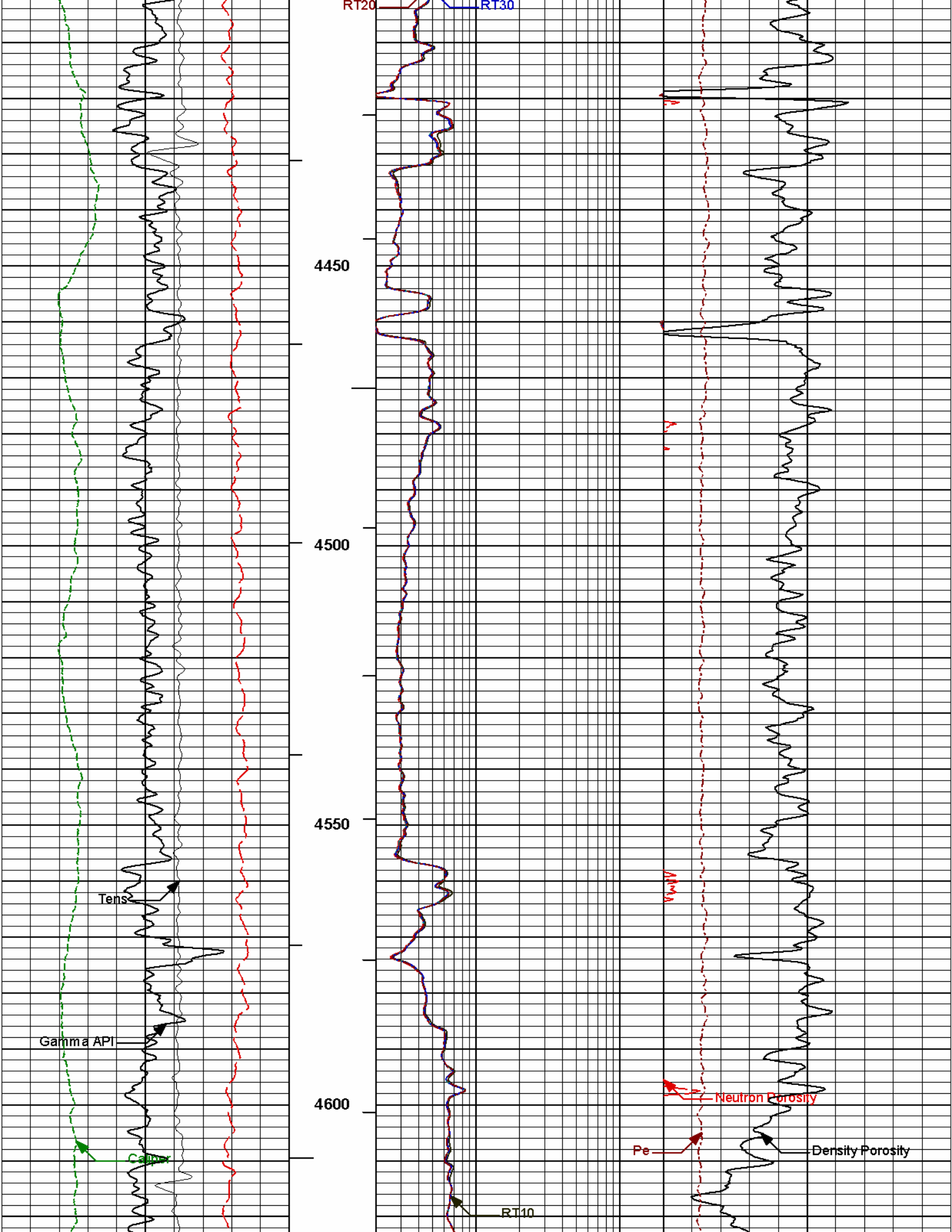


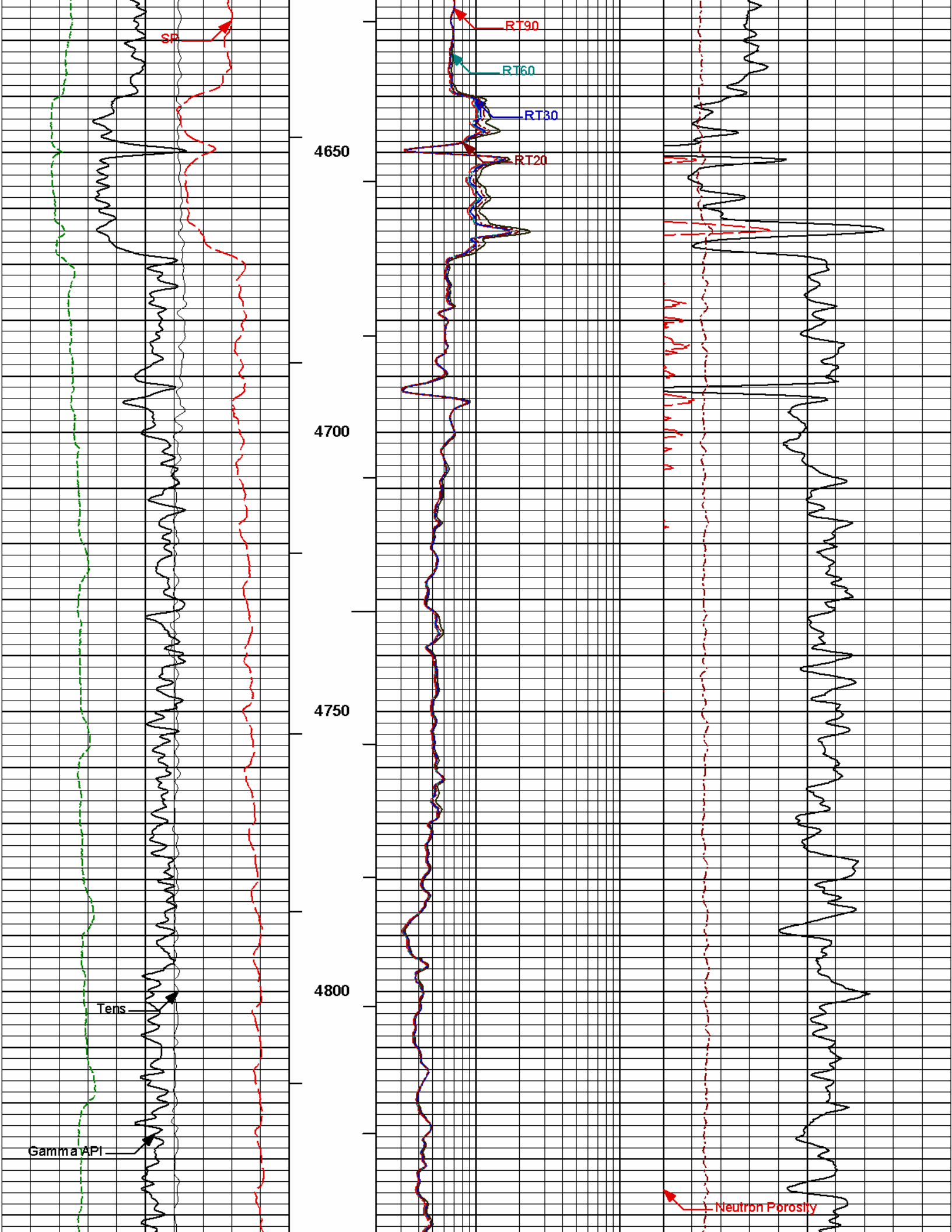


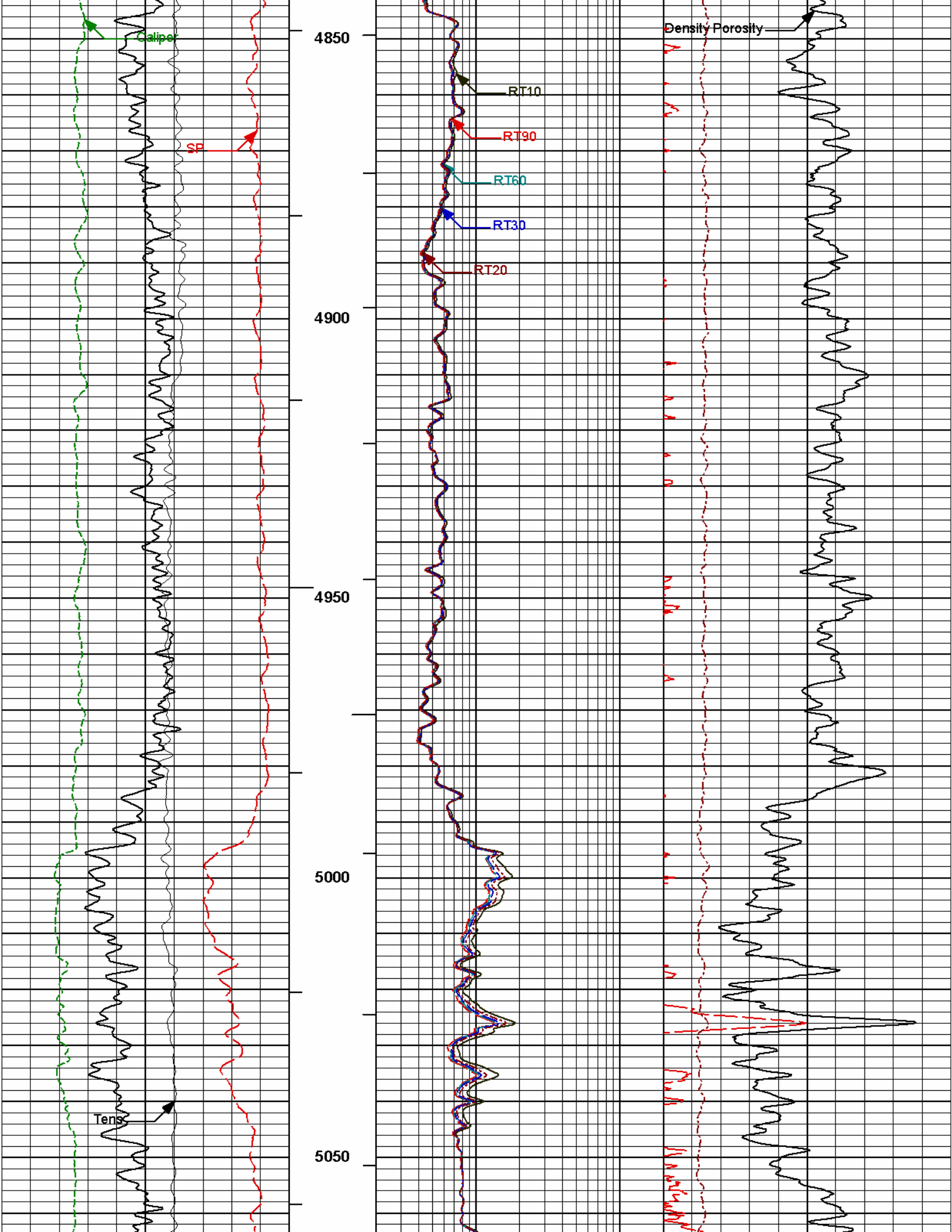


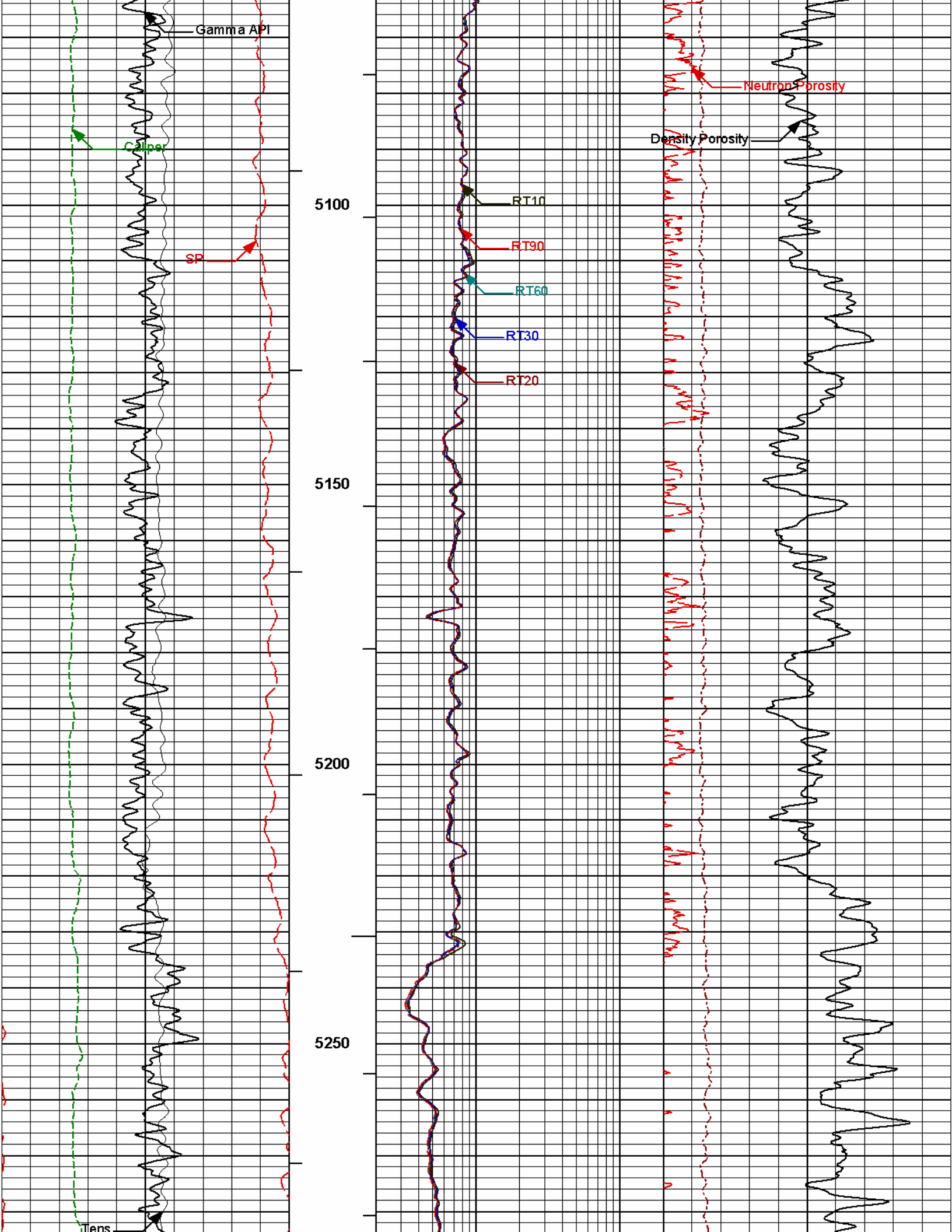




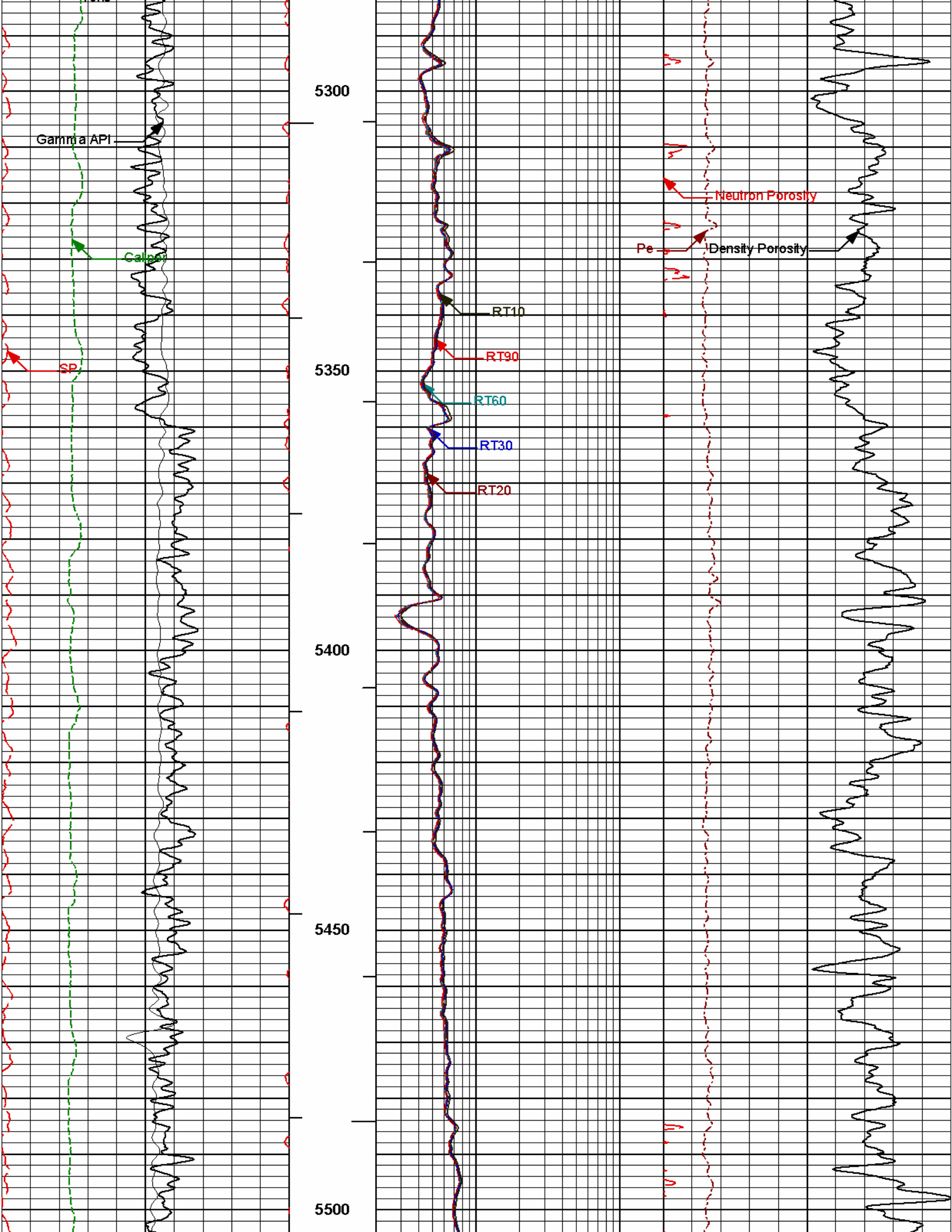


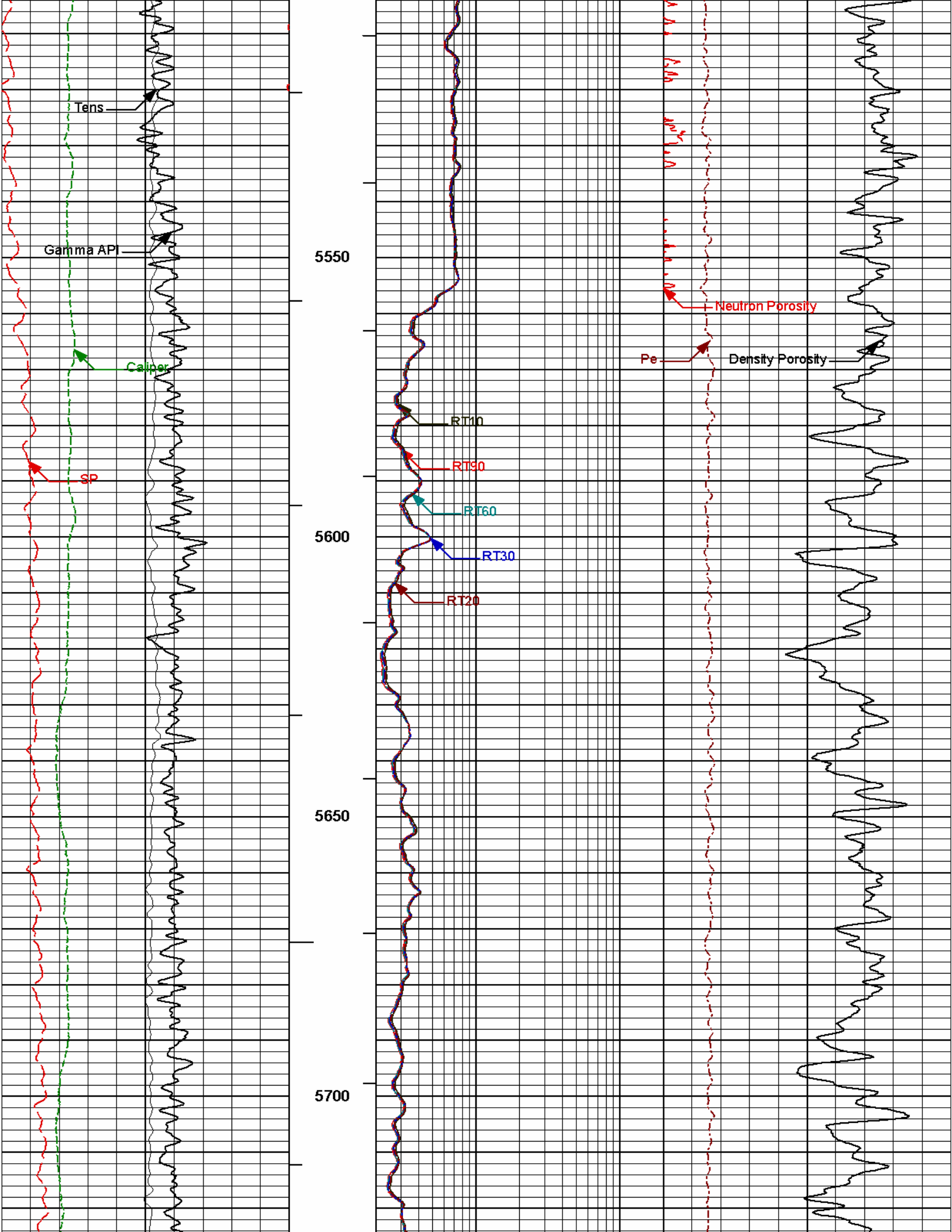


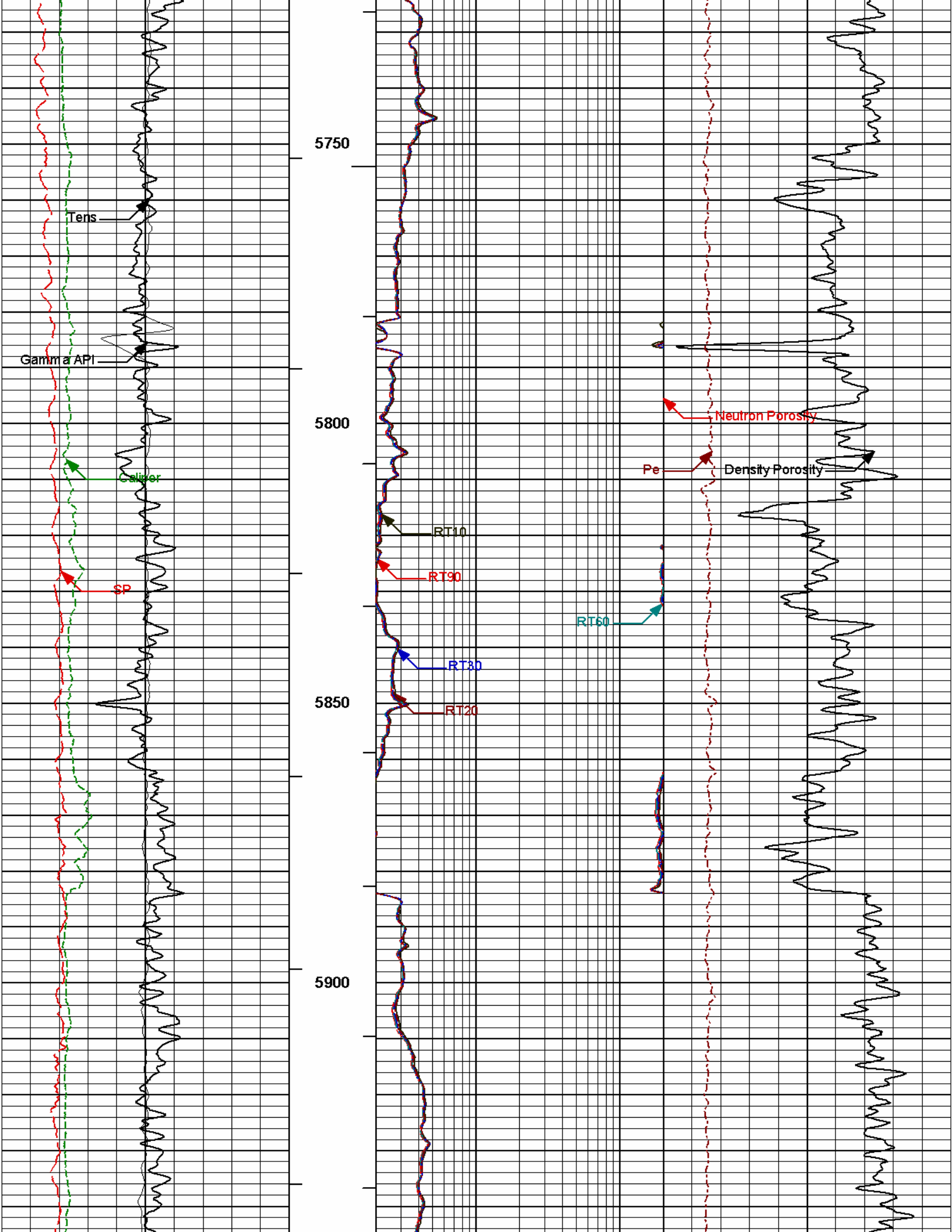


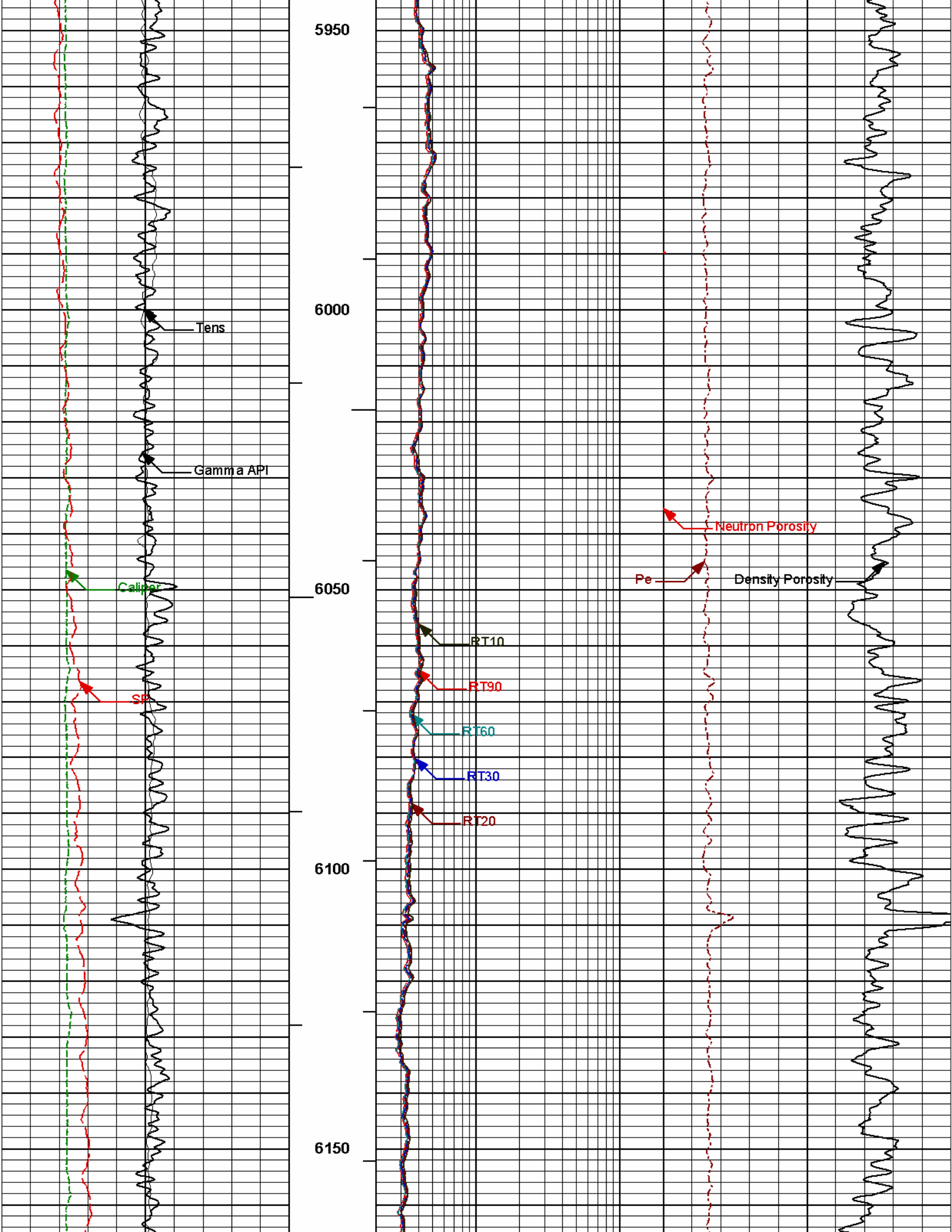


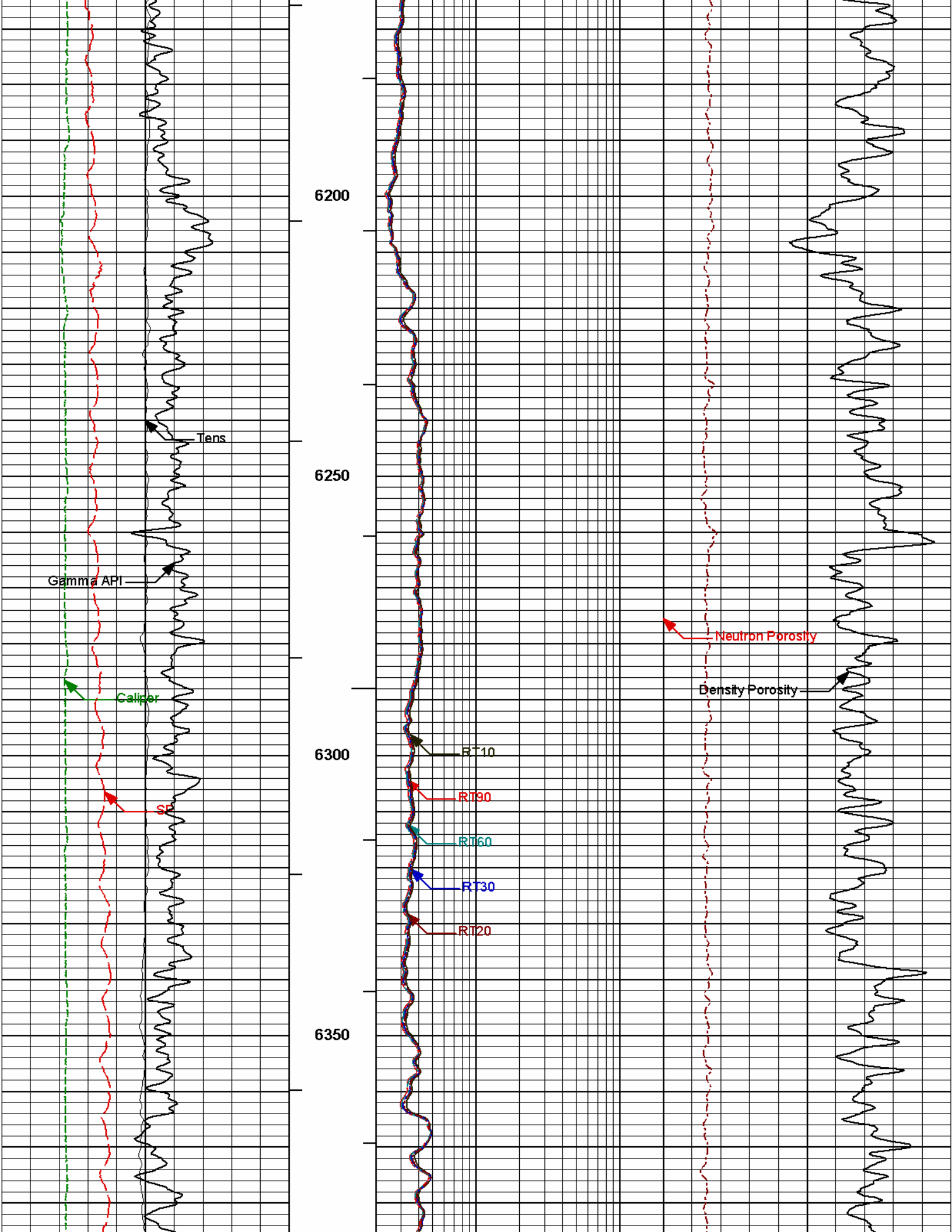


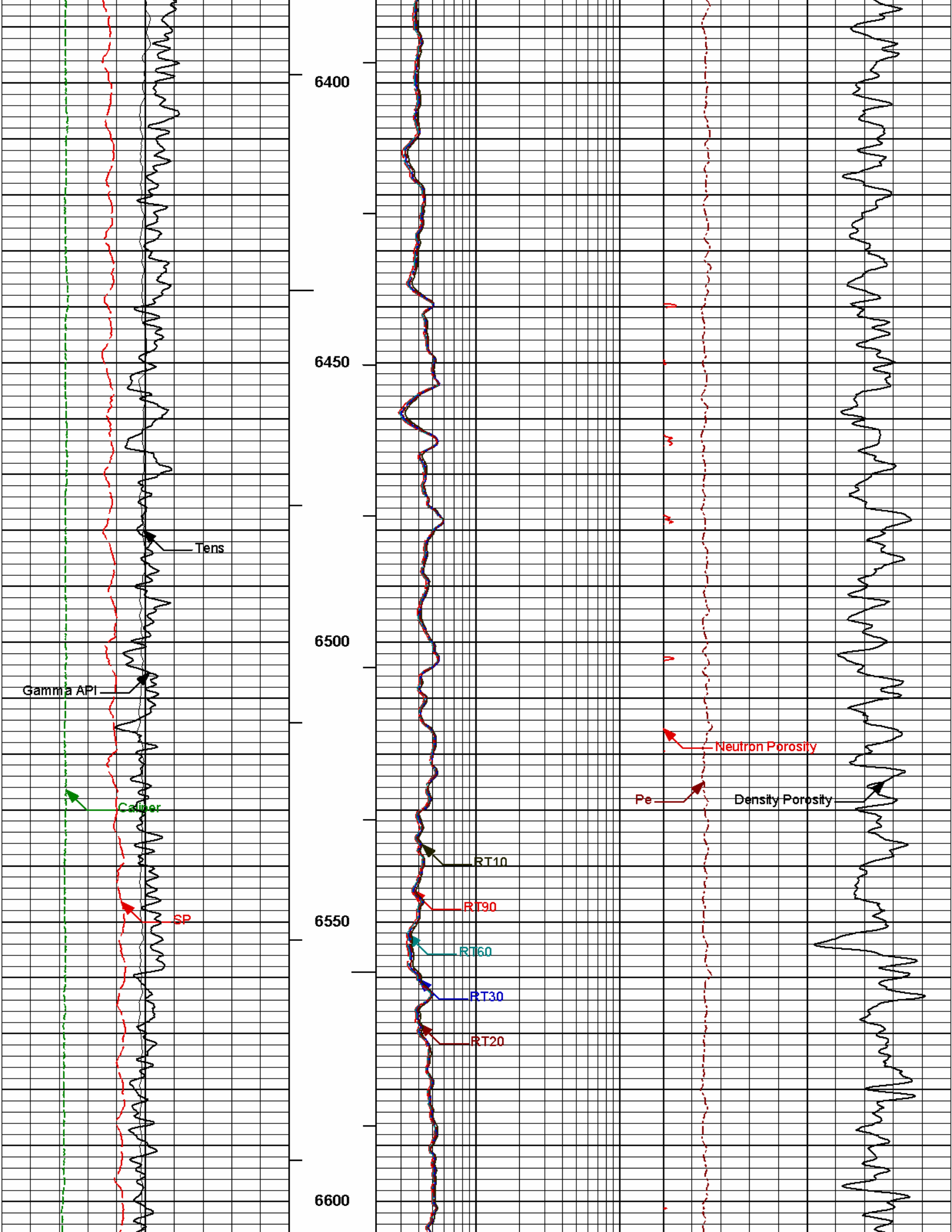


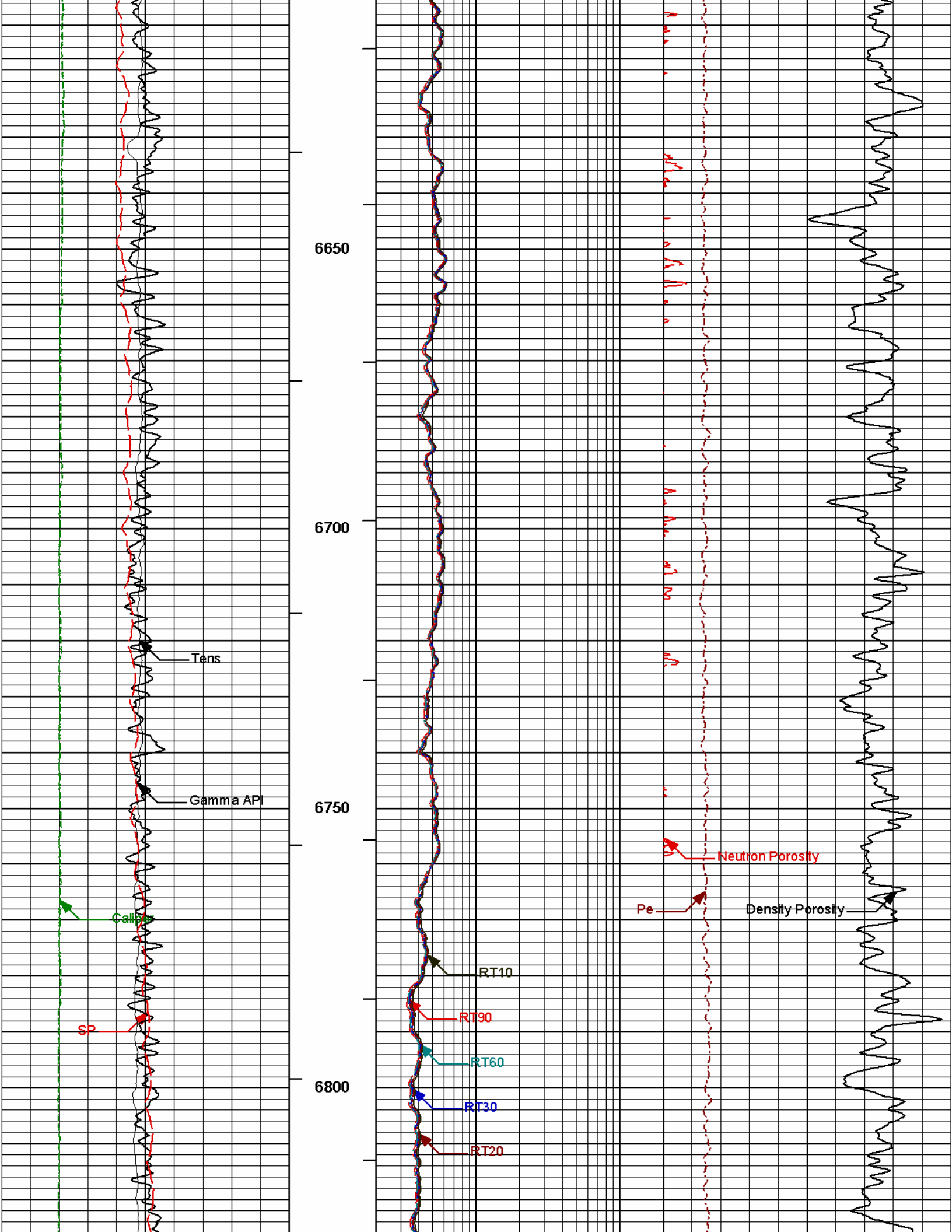


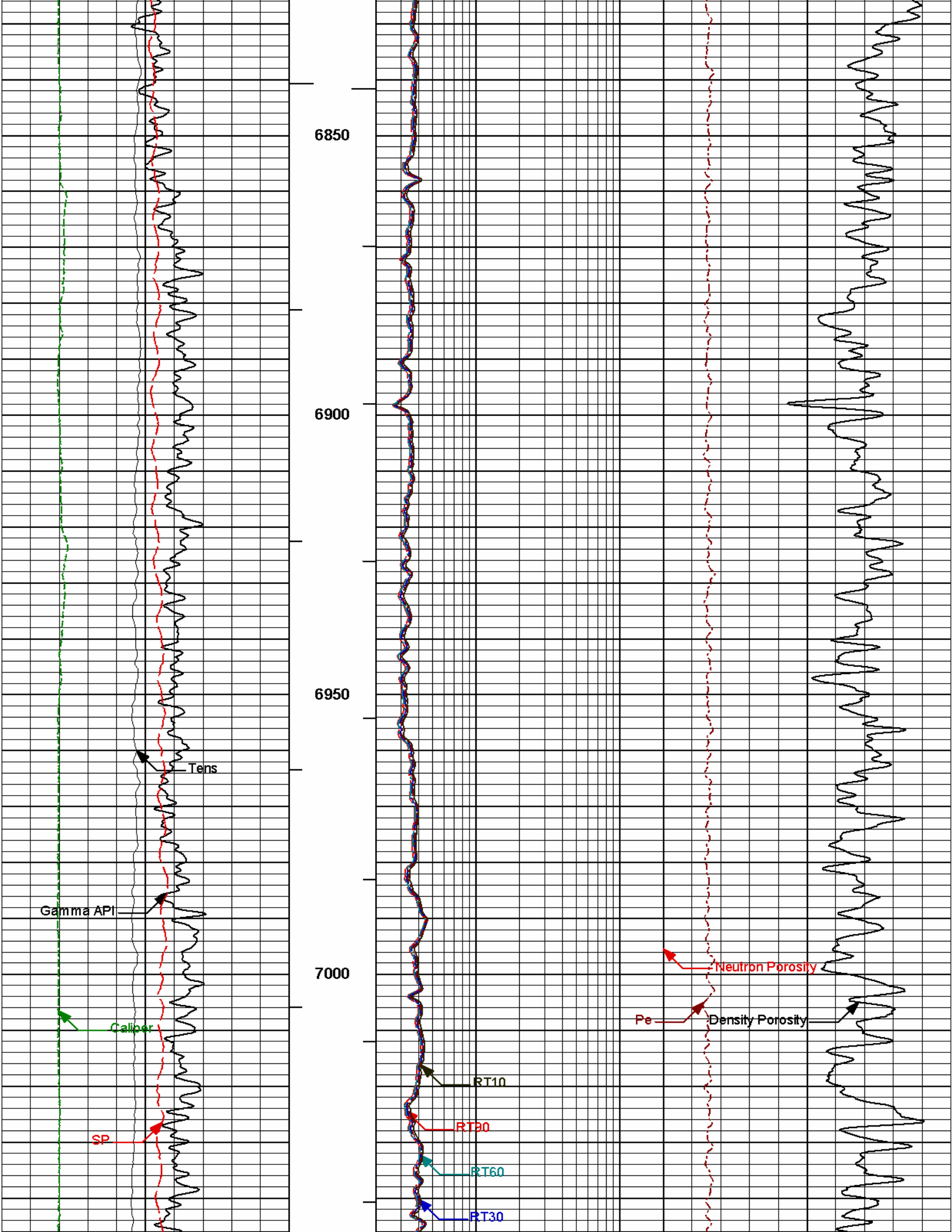




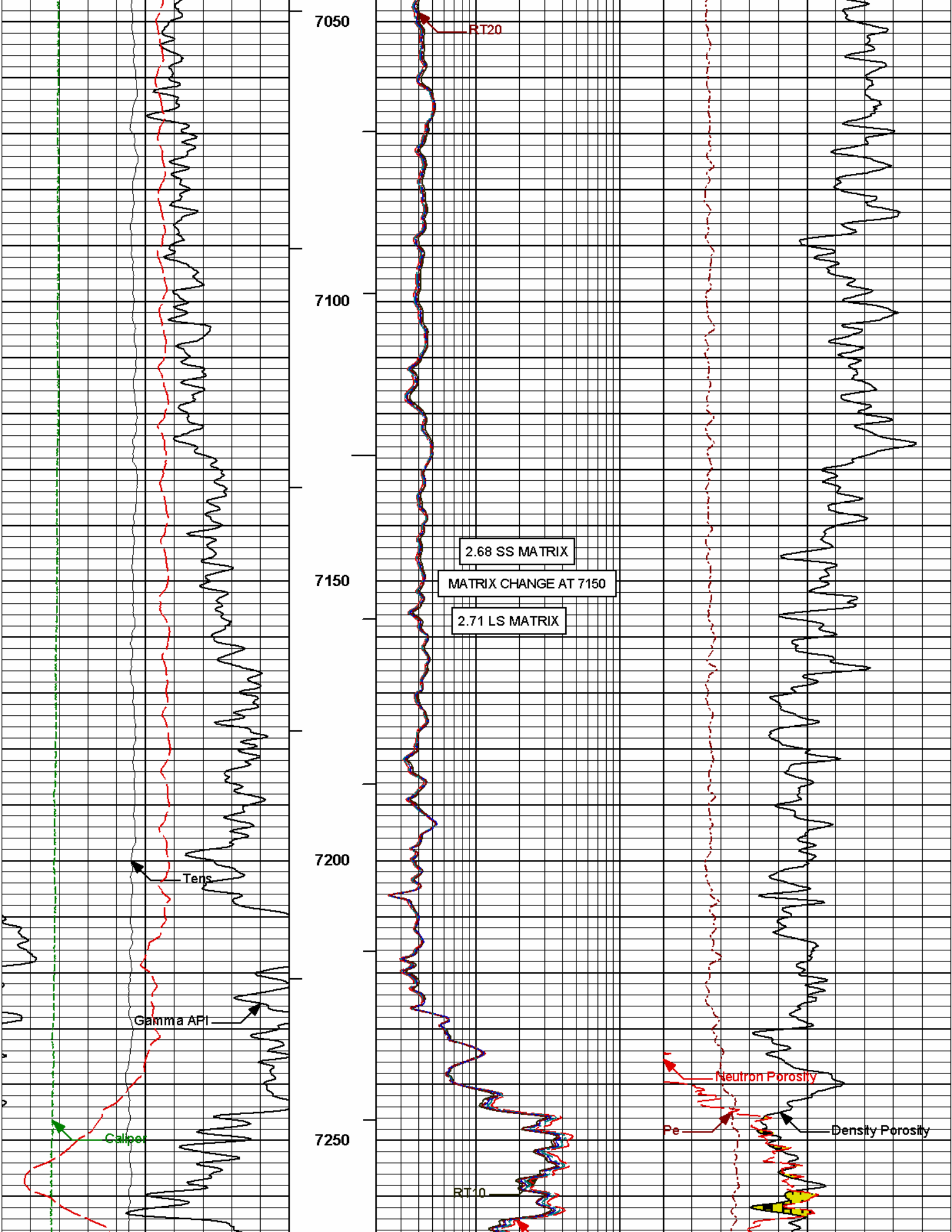


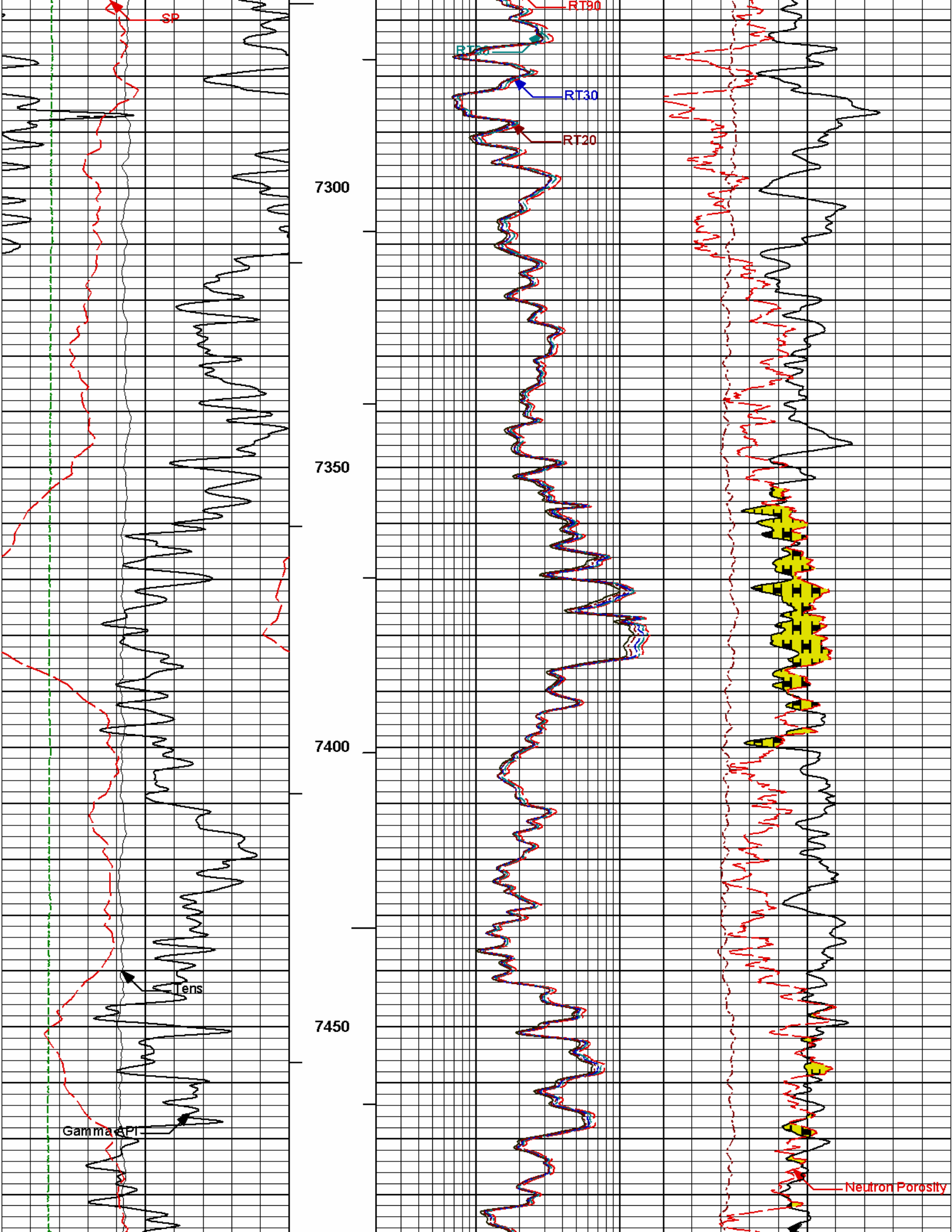


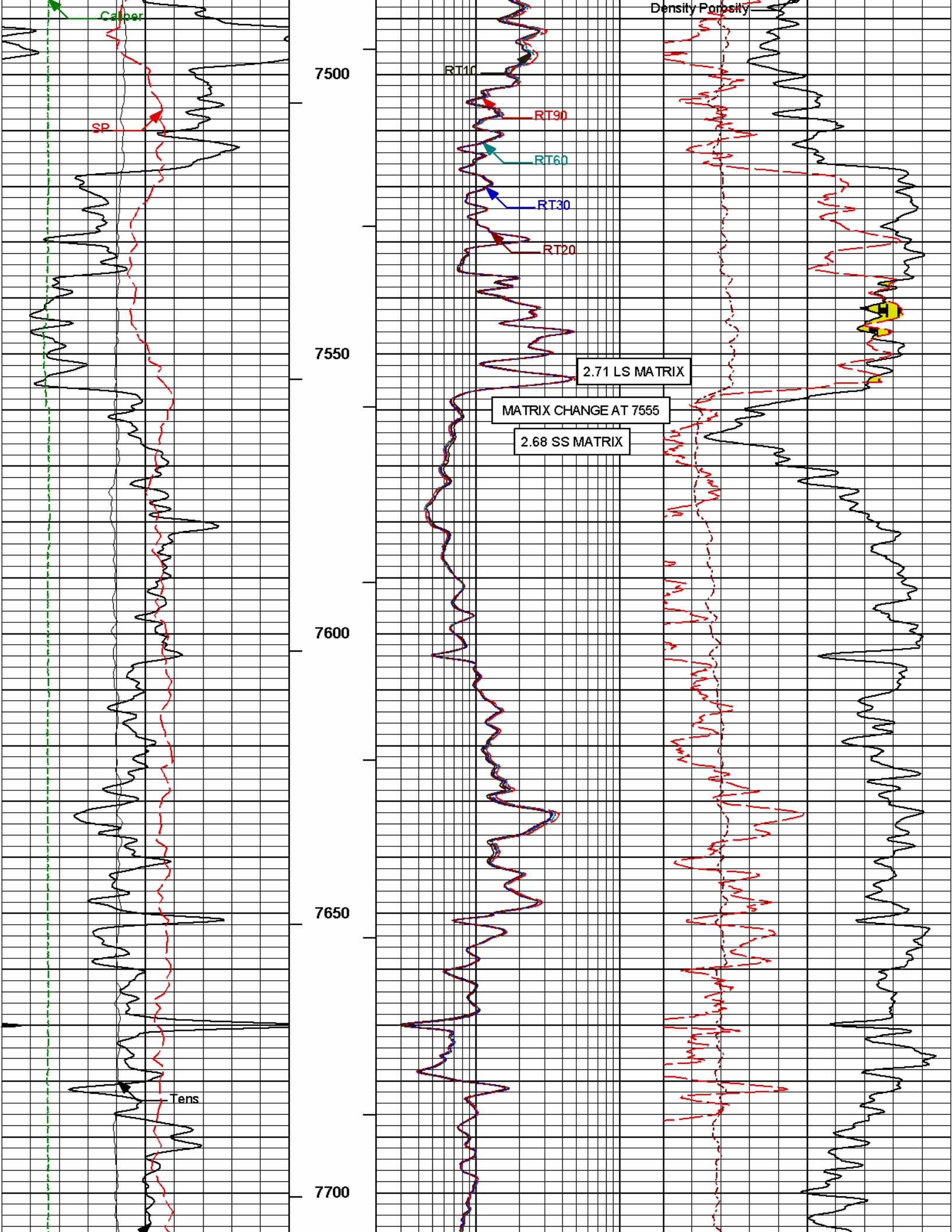


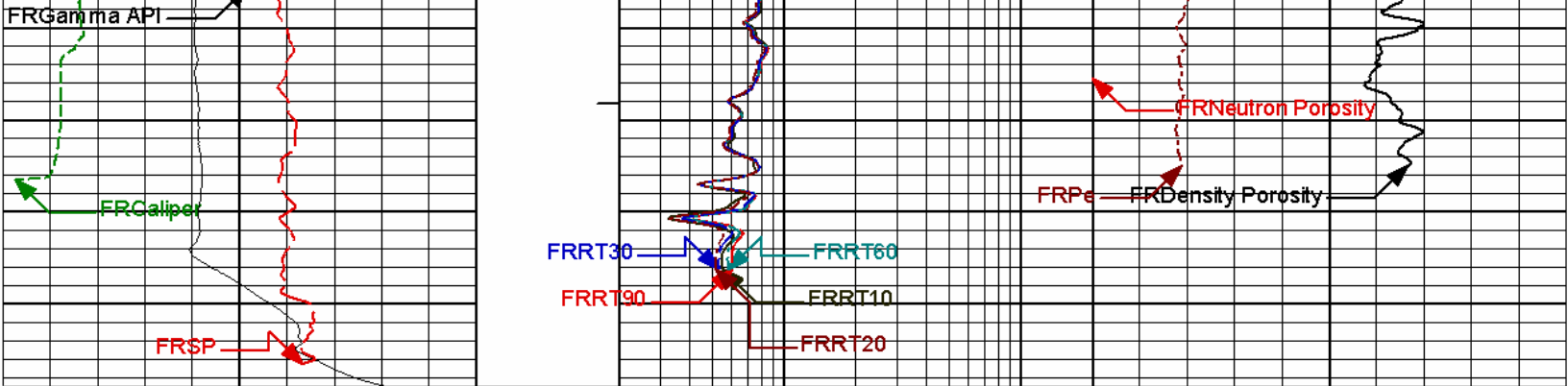












0	SP	100	1 : 240	2	RT90	200	0	Pe	10
	millivolts				ohmm				
0	Gamma API	200	BHVT	2	RT60	200	20	Density Porosity	0
	api				ohmm			percent	
6	Caliper	16	AHVT	2	RT30	200	20	Neutron Porosity	0
	inches				ohmm			percent	
10K	Tens	0		2	RT20	200			
	pounds				ohmm				
				2	RT10	200			
					ohmm				

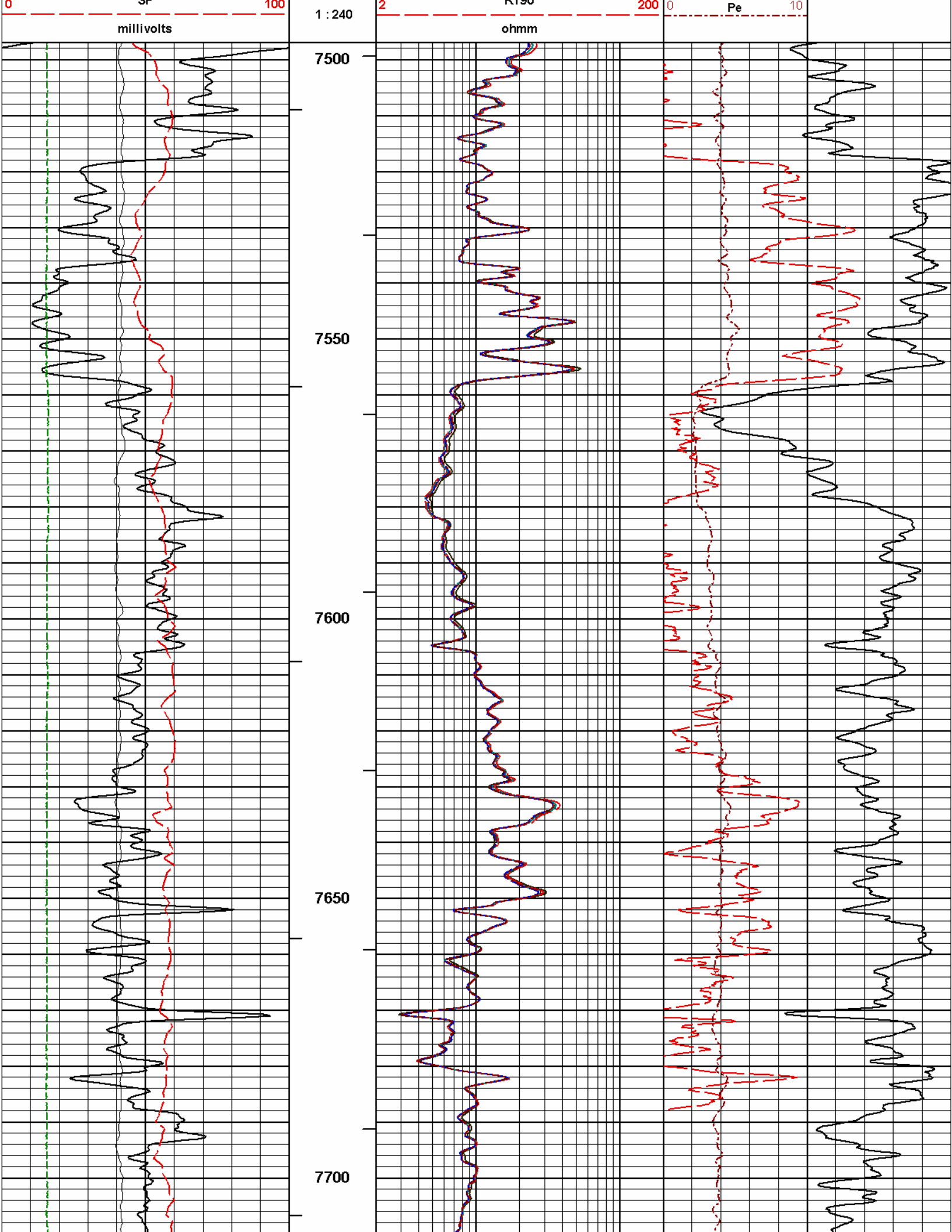
**HALLIBURTON** Plot Time: 01-Mar-13 20:17:27  
 Plot Range: 650 ft to 7749.08 ft  
 Data: BAYSWATER\Well Based\MERGED MAIN\*  
 Plot File: \\COMP\MAIN

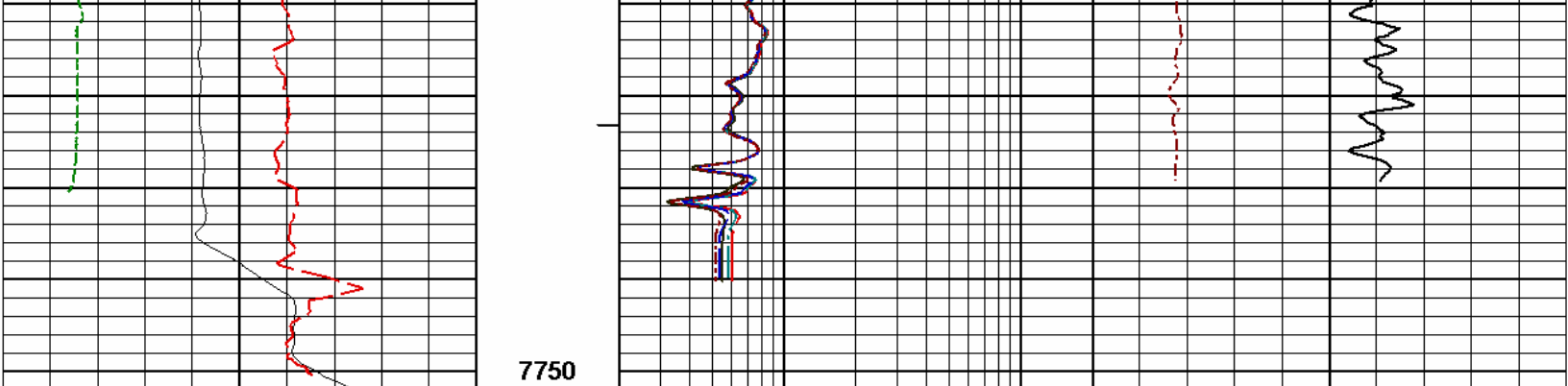
MAIN PASS 5" = 100'

**HALLIBURTON** Plot Time: 01-Mar-13 20:17:27  
 Plot Range: 7497 ft to 7752 ft  
 Data: BAYSWATER\Well Based\DAQ-0001-0021\*  
 Plot File: \\COMP\REPEAT

MAIN PASS 5" = 100'

				2	RT10	200			
					ohmm				
10K	Tens	0		2	RT20	200			
pounds				ohmm					
6	Caliper	16	AHVT	2	RT30	200	20	Neutron Porosity	0
inches					ohmm		percent		
0	Gamma API	200	BHVT	2	RT60	200	20	Density Porosity	0
api					ohmm		percent		
	SP				RT90				





0	SP	100	1 : 240	2	RT90	200	0	Pe	10	
	millivolts				ohmm					
0	Gamma API	200	BHVT	2	RT60	200	20	Density Porosity		0
	api				ohmm			percent		
6	Caliper	16	AHVT	2	RT30	200	20	Neutron Porosity		0
	inches				ohmm			percent		
10K	Tens	0		2	RT20	200				
	pounds				ohmm					
				2	RT10	200				
					ohmm					

**HALLIBURTON**

Plot Time: 01-Mar-13 20:17:29  
 Plot Range: 7497 ft to 7752 ft  
 Data: BAYSWATER\Well Based\DAQ-0001-0021\*  
 Plot File: \COMPIREPEAT

MAIN PASS 5" = 100'

**HALLIBURTON**

## CALIBRATION REPORT

### NATURAL GAMMA RAY TOOL SHOP CALIBRATION

<b>Tool Name:</b>	<b>GTET - 11812882</b>	<b>Reference Calibration Date:</b>	<b>18-Jan-13 12:35:27</b>
<b>Engineer:</b>	<b>J. PINKETT</b>	<b>Calibration Date:</b>	<b>14-Feb-13 14:31:57</b>
<b>Software Version:</b>	<b>WL INSITE R3.8.4 (Build 5)</b>	<b>Calibration Version:</b>	<b>1</b>

Calibrator Source S/N: TB-289  
 Calibrator API Reference: 243.00 api  
 Equivalent Calibrator API Reference: 247.3 api

Measurement	Measured	Calibrated	Units
Background	71.2	72.8	api
Background + Calibrator	313.1	320.0	api
Calibrator	241.9	247.3	api

### NATURAL GAMMA RAY TOOL FIELD CALIBRATION

<b>Tool Name:</b>	<b>GTET - 11812882</b>	<b>Reference Calibration Date:</b>	<b>14-Feb-13 14:31:57</b>
<b>Engineer:</b>	<b>J. PINKETT</b>	<b>Calibration Date:</b>	<b>01-Mar-13 05:56:27</b>
<b>Software Version:</b>	<b>WL INSITE R3.8.4 (Build 5)</b>	<b>Calibration Version:</b>	<b>1</b>

Calibrator Source S/N: TB-289

Calibrator API Reference:243.00 api

Equivalent Calibrator API Reference:247.3 api

Field Verification	Shop	Field	Units
Background	72.8	68.8	api
Background + Calibrator	320.0	323.9	api
Calibrator	247.3	255.1	api

Shop	Field	Difference	Tolerance
247.3	255.1	-7.8	+/- 9.00

**DUAL SPACED NEUTRON SHOP CALIBRATION****Tool Name:** DSNT - 11301132**Reference Calibration Date:** 18-Jan-13 12:56:27**Engineer:** J. PINKETT**Calibration Date:** 14-Feb-13 14:57:35**Software Version:** WL INSITE R3.8.4 (Build 5)**Calibration Version:** 1

Logging Source S/N: DSN434

Tank Serial Number: 11068236

Reference value assigned to Tank: 53.720

Snow Block S/N: BRIGHTON

Calibration Tank Water Temperature: 50 degF

Min. Tool Housing Outside Diameter: 3.625 in

**CALIBRATION CONSTANTS**

Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	1.004	1.006	0.900 - 1.100

**WATER TANK SUMMARY (Horizontal Water Tank)**

Measurement	Current Reading (Previous Coef.)	Calibrated (New Coef.)	Change	Control Limit On Change
Porosity (decp):	0.2218	0.2223	0.0005	+/- 0.0020
Calibrated Ratio:	10.09	10.11	0.017	+/- 0.050

**VERIFIER**

Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0798	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 - 11301132**Reference Calibration Date:** 14-Feb-13 14:57:35**Engineer:** J. PINKETT**Calibration Date:** 01-Mar-13 06:07:02**Software Version:** WL INSITE R3.8.4 (Build 5)**Calibration Version:** 1

Logging Source S/N: DSN434

Snow Block S/N: BRIGHTON

**NEUTRON FIELD-CHECK SUMMARY**

	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0798	0.0725	-0.0072	+/- 0.0150

**PASS/FAIL SUMMARY**

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

**DENSITY CALIPER SHOP CALIBRATION**

<b>Tool Name:</b>	<b>SDLT - 11107335</b>	<b>Reference Calibration Date:</b>	<b>14-Feb-13 16:12:39</b>
<b>Engineer:</b>	<b>J. PINKETT</b>	<b>Calibration Date:</b>	<b>14-Feb-13 16:18:06</b>
<b>Software Version:</b>	<b>WL INSITE R3.8.4 (Build 5)</b>	<b>Calibration Version:</b>	<b>1</b>
<b>Host Tool Name:</b>	<b>DSNT - 11301132</b>		

**CALIBRATION COEFFICIENTS**

Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-3656.99	-3797.48	-7000.00 - -1000.00
Pad Gain	0.0003898	0.0003943	0.000200 - 0.000600
Arm Offset	-1370.17	-1255.46	-5000.00 - 3000.00
Arm Gain	0.0004946	0.0004963	0.000300 - 0.000700
Arm Power	-0.000004488	-0.000004571	-0.000010000 - 0.000010000

The ring diameter is computed from:  $\text{DIAMETER} = \text{PAD EXTENSION} + \text{ARM EXTENSION} + \text{TOOL DIAMETER}$

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)	2.03	2.00	-0.03	+/- 0.20
Medium Ring (in)	3.76	3.75	-0.01	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.50	6.50	0.00	+/- 0.20
Medium Ring (in)	8.24	8.25	0.01	+/- 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**

<b>Tool Name:</b>	<b>SDLT - 11107335</b>	<b>Reference Calibration Date:</b>	<b>14-Feb-13 16:18:06</b>
<b>Engineer:</b>	<b>J. PINKETT</b>	<b>Calibration Date:</b>	<b>01-Mar-13 06:35:24</b>
<b>Software Version:</b>	<b>WL INSITE R3.8.4 (Build 5)</b>	<b>Calibration Version:</b>	<b>1</b>

**MEASURED CALIPER VALUES**

Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.65	-0.10	+/- 0.10
Ring Diameter	8.25	8.14	-0.11	+/- 0.15

**PASS/FAIL SUMMARY**

Pad Extension Check:	Passed
Diameter Check:	Passed

**SPECTRAL DENSITY SHOP CALIBRATION**



Tool Name: SDLT Pad - 11045470

Reference Calibration Date: 18-Jan-13 13:30:36

Engineer: J. PINKETT

Calibration Date: 14-Feb-13 15:45:32

Software Version: WL INSITE R3.8.4 (Build 5)

Calibration Version: 1

Logging Source S/N: 5471GW

Aluminum Block S/N: 63066

Density: 2.602g/cc

Pe: 3.100

Magnesium Block S/N: 12345

Density: 1.690g/cc

Pe: 2.650

## DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0802	1.0999	0.90 - 1.10
Near Dens Gain	1.0347	1.0493	0.90 - 1.10
Near Peak Gain	1.0296	1.0299	0.90 - 1.10
Near Lith Gain	0.9523	0.9889	0.90 - 1.10
Far Bar Gain	1.0120	1.0132	0.90 - 1.10
Far Dens Gain	1.0024	1.0044	0.90 - 1.10
Far Peak Gain	0.9928	0.9933	0.90 - 1.10
Far Lith Gain	0.9727	0.9764	0.90 - 1.10
Near Bar Offset	-0.8241	-0.9986	NONE
Near Dens Offset	-0.3550	-0.4769	NONE
Near Peak Offset	-0.2945	-0.2852	NONE
Near Lith Offset	0.3607	0.0561	NONE
Far Bar Offset	-0.2012	-0.2095	NONE
Far Dens Offset	-0.1230	-0.1354	NONE
Far Peak Offset	-0.0460	-0.0451	NONE
Far Lith Offset	0.1004	0.0744	NONE
Near Bar Background	1020.85	1019.32	700 - 1450
Near Dens Background	335.57	335.07	230 - 480
Near Peak Background	145.70	146.62	100 - 210
Near Lith Background	178.15	177.04	125 - 260
Far Bar Background	532.36	532.01	450 - 900
Far Dens Background	208.23	206.69	175 - 345
Far Peak Background	82.42	81.72	70 - 140
Far Lith Background	85.11	85.54	75 - 145

## CALIBRATION BLOCK SUMMARY

Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.681	1.690	0.009	+/- 0.015
Pe	2.598	2.596	-0.002	+/- 0.150
ALUMINUM				
Density (g/cc)	2.594	2.602	0.008	+/- 0.01500
Pe	3.021	3.055	0.034	+/- 0.150

## TOOL SUMMARY

Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0007	+/- 0.0110	-0.0031	+/- 0.0140
Magnesium Block	-0.0003	+/- 0.0110	0.0005	+/- 0.0140
Aluminum Block	0.0011	+/- 0.0110	0.0000	+/- 0.0140

Aluminum Block	-0.0011	+/- 0.0110	0.0006	+/- 0.0140
Resolution	9.05	6.00 - 11.50	9.75	6.00 - 11.50
Internal Verifier(B+D+P+L)	1678	1200 - 2700	906	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

<b>Tool Name:</b>	<b>SDLT Pad - 11045470</b>	<b>Reference Calibration Date:</b>	<b>14-Feb-13 15:45:32</b>
<b>Engineer:</b>	<b>J. PINKETT</b>	<b>Calibration Date:</b>	<b>01-Mar-13 05:51:13</b>
<b>Software Version:</b>	<b>WL INSITE R3.8.4 (Build 5)</b>	<b>Calibration Version:</b>	<b>1</b>

Pad Temperature: 75.2 degF

#### DENSITY FIELD CALIBRATION SUMMARY

Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1678.060	1678.504	0.444	16.449
Far (B+D+P+L) cps	905.973	903.186	-2.787	16.351
Near Resolution	9.05	9.07	0.020	0.50
Far Resolution	9.75	9.59	-0.160	1.00

#### PASS/FAIL SUMMARY

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

#### ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

<b>Tool Name:</b>	<b>ACRt Sonde - 11294352</b>	<b>Reference Calibration Date:</b>	<b>10-Feb-13 09:14:03</b>
<b>Engineer:</b>	<b>R. TWEETEN</b>	<b>Calibration Date:</b>	<b>10-Feb-13 09:26:24</b>
<b>Software Version:</b>	<b>WL INSITE R3.8.4 (Build 5)</b>	<b>Calibration Version:</b>	<b>1</b>
<b>Host Tool Name:</b>	<b>ACRt Instrument - 11296758</b>		

#### TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	0.99	1.05	0.95	1.00	1.05	0.95	0.99	1.05
A2 (50")	0.95	1.00	1.05	0.95	1.00	1.05	0.95	1.00	1.05
A3 (29")	0.95	1.00	1.05	0.95	1.00	1.05	0.95	1.00	1.05
A4 (17")	0.95	1.00	1.05	0.95	1.00	1.05	0.95	1.00	1.05
A5 (10")	N/A	N/A	N/A	0.95	0.99	1.05	0.95	0.98	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.97	1.05	0.95	0.97	1.05

#### TYPICAL SONDE OFFSET RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	-5	-0.68	2	-6	-4.11	-2	-8	-5.19	-2
A2 (50")	-7	-3.03	0	-7	-4.05	0	-7	-4.17	0

A2 (30")	-7	-3.03	0	-7	-4.03	0	-7	-4.47	0
A3 (29")	-27	-13.63	-9	-9	-3.94	-3	-7	-3.20	-1
A4 (17")	-180	-95.86	-60	-45	-30.42	-15	-39	-25.01	-13
A5 (10")	N/A	N/A	N/A	-150	-100.74	-50	-80	-47.96	-10
A6 (6")	N/A	N/A	N/A	175	314.58	525	90	159.28	270

TRANSMITTER CURRENT GAIN					R-MUD VERIFICATION			
Signal	Lower	R	Upper		Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
12K	0.6	0.82	1.3		Mud Cell	0.95	1.01	1.05
36K	1.0	1.90	2.0					
72K	1.0	1.06	2.0					

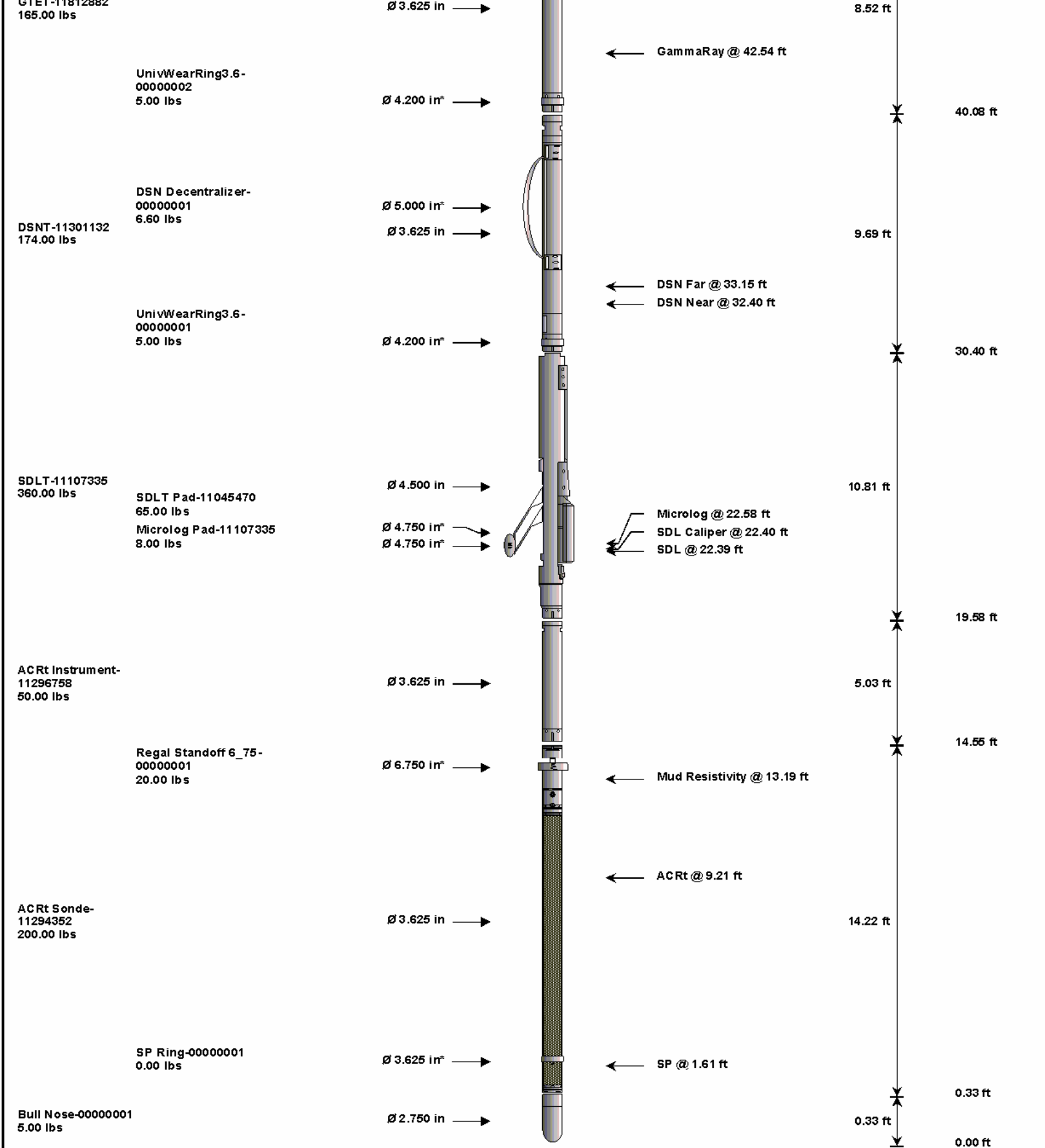
PASS/FAIL SUMMARY	
GAIN RANGE CHK	PASS
SONDE OFFSET RANGE CHK	PASS
Tx CURRENT GAIN	PASS
Rmud VERIFICATION	PASS
TOOL OK TO LOG	

CALIBRATION SUMMARY						
Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11812882						
Gamma Ray Calibrator	247.3	255.1	-----	-7.8	+/- 9.00	api
DSNT-11301132						
Snow-Block Porosity	0.0798	0.0725	-----	0.0073	+/- 0.0150	decp
SDLT-11107335						
Pad Extension	3.75	3.65	-----	0.10	+/-0.10	in
Ring Diameter	8.25	8.14	-----	0.11	+/-0.15	in
SDLT Pad-11045470						
Near(B+D+P+L)	1678.060	1678.504	-----	-0.444	+/-16.449	cps
Far(B+D+P+L)	905.973	903.186	-----	2.787	+/-16.351	cps
ACRt Sonde-11294352						
Mud Cell	1.01	-----	-----	0.00	-----	ohm-m
Data: BAYSWATER\0001 TRIPLE_BLACK\IDLE					Date: 01-Mar-13 18:04:38	

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
RWCH-10409638 135.00 lbs		Ø 3.625 in →		Load Cell @ 51.17 ft BH Temperature @ 50.60 ft	6.25 ft	54.85 ft
GTET-11812882						48.60 ft



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max. Log. Speed (fpm)
RWCH	Releasable Wireline Cable Head	10409638	135.00	6.25	48.60	300.00
GTET	Gamma Telemetry Tool	11812882	165.00	8.52	40.08	60.00
UWR3P6	Universal Wear Ring 3 5-8 inch	00000002	5.00	0.35	40.39	300.00
DSNT	Dual Spaced Neutron	11301132	174.00	9.69	30.40	60.00
DCNT	DSN Decentralizer	00000001	6.60	5.13	33.73	300.00
UWR3P6	Universal Wear Ring 3 5-8 inch	00000001	5.00	0.35	30.64	300.00
SDLT	Spectral Density Tool	11107335	360.00	10.81	19.58	60.00
MICP	Microlog Pad	11107335	8.00	1.00	22.08	60.00

MICP	Microlog Pad	11107555	0.00	1.00	22.00	60.00
SDLP	Density Insite Pad	11045470	65.00	2.55	*	21.79 60.00
ACRt	Array Compensated True Resistivity Instrument Section	11296758	50.00	5.03		14.55 300.00
ACRt	Array Compensated True Resistivity Sonde Section	11294352	200.00	14.22		0.33 300.00
SP	SP Ring	00000001	0.00	0.25	*	1.61 300.00
RSOF	Regal Standoff 6.75in	00000001	20.00	0.52	*	13.44 300.00
BLNS	Bull Nose	00000001	5.00	0.33		0.00 300.00
<b>Total</b>			<b>1,198.60</b>	<b>54.85</b>		
			* Not included in Total Length and Length Accumulation.			
<b>Data: BAYSWATER\0001 TRIPLE_BLACK\IDLE</b>			<b>Date: 01-Mar-13 17:13:27</b>			

COMPANY	BAYSWATER EXPLORATION AND PRODUCTION LLC		
WELL	CASA LOMA #18-25		
FIELD	WATTENBERG		
COUNTY	WELD	STATE	CO
HALLIBURTON		ARRAY COMPENSATED TRUE RESISTIVITY SPECTRAL DENSITY DUAL SPACED NEUTRON	