

ARRAY COMP. RESISTIVITY
DUAL SPACED NEUTRON
SPECTRAL DENSITY

COMPANY		LARAMIE ENERGY II, LLC	
WELL		LEVERICH 31-13B	
FIELD		RULISON	
COUNTY		GARFIELD	
STATE		CO	
Permanent Datum		GROUND LEVEL	
Log measured from		KELLY BUSHING	
Drilling measured from		KELLY BUSHING	
Date		19-Aug-08	
Run No.		ONE	
Depth - Driller		9245.0 ft	
Depth - Logger		7383.0 ft	
Bottom - Logged Interval		7381.0 ft	
Top - Logged Interval		CASING	
Casing - Driller		8.625 in @ 1506.0 ft	
Casing - Logger		1527.0 ft	
Bit Size		7.875 in	
Type Fluid in Hole		LSND	
Density		11.1 ppG	
Viscosity		65.00 s/qt	
PH		9.00 pH	
Fluid Loss		7.8 cpm	
Source of Sample		MUD TANK	
Rm @ Meas. Temperature		1.93 ohmm @ 83.00 degF	
Rmf @ Meas. Temperature		1.69 ohmm @ 69.00 degF	
Rmc @ Meas. Temperature		2.98 ohmm @ 72.00 degF	
Source Rmf		MEAS.	
Rm @ BHT		0.98 ohmm @ 170.0 degF	
Time Since Circulation		15.5 hr	
Time on Bottom		19-Aug-08 19:00	
Max. Rec. Temperature		170.0 degF @ 7393.0 ft	
Equipment		11014853 G.J.	
Recorded By		L. SMITH	
Witnessed By		C. CLAUSSEN	
API No.		05045155080000	
Location		SURFACE: 1554' FSL, 1034' FWL BOTTOM: 0824' FSL, 0665' FWL	
Other Services:		NONE	
Sect. 31		Twp. 06S	
Rge. 93W		Elev. 6794.0 ft	
Elev. 6794.0 ft		D.F. 6814.0 ft	
G.L. 6794.0 ft			

Fold here

Service Ticket No.: 6103056						API Serial No.: 05045155060000						PGM Version: VL INSITE R2.2 (Build 2)											
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		CENTERED		N/A			
Rmc @ Meas. Temp.				@				@						E988-S6986									
Source Rmf		Rmc																					
Rm @ BHT				@				@															
Rmf @ BHT				@				@															
Rmc @ BHT				@				@															
EQUIPMENT DATA																							
GAMMA						ACOUSTIC						DENSITY						NEUTRON					
Run No.		ONE				Run No.						Run No.		ONE				Run No.		ONE			
Serial No.		11005602				Serial No.						Serial No.		10951314				Serial No.		10993888			
Model No.		GTET				Model No.						Model No.		SDLT-I				Model No.		DSNT-I			
Diameter		3.625"				No. of Cent.						Diameter		4.5"				Diameter		3.625"			
Detector Model No.		102-T				Spading						Log Type		GAM-GAM				Log Type		THERMAL			
Type		SCINT.										Source Type		Cs137				Source Type		Am241Be			
Length		8"				LSA [Y/N]						Serial No.		5123 GW				Serial No.		DSN-388			
Distance to Source		10.5'				FWDA [Y/N]						Strength		1.5 Ci				Strength		18 Ci			

LOGGING DATA

GTET	GEOK	Process Gamma Ray EVR?	No	
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		Logging Horizontal Water Tank?	No	
SDLT	DNOK	Process Density?	Yes	
SDLT	DNOK	Process Density EVR?	No	
SDLT	AD	Is Hole Air Drilled?	No	
SDLT	CB	Use Calibration Blocks?	No	
SDLT	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT	DTWN	Disable temperature warning	No	
SDLT	MDTP	Weighted Mud Correction Type?	Barite	
SDLT	DMA	Formation Density Matrix	2.680	g/cc
SDLT	DFL	Formation Density Fluid	1.000	g/cc
SDLT	CLOK	Process Caliper Outputs?	Yes	
SDLT	MLOK	Process MicroLog Outputs?	Yes	
ACRt	RTOK	Process ACRt?	Yes	
ACRt	CIND	Casing Indicator Enabled?	Yes	
ACRt	RECE	Relative Caliper Error	0	%
ACRt	MNSO	Minimum Tool Standoff	1.50	in
ACRt	RMC	Use RM Calculated for BHC?	No	
ACRt	TSEL	Calculate Temperature for Rmud Correction?	No	
ACRt	LTNM	Acrt Lateral Normalization	None	
ACRt	UTC	Use Temperature Correction	Yes	
ACRt	TCS1	Temperature Correction Source	FP Lwr & FP Up	
ACRt	TPOS	Tool Position	Standoff	
ACRt	BHCM	Borehole Compensation Type	Conventional	
ACRt	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt	RMIN	Maximum Resistivity for MAP	200.00	ohmm
ACRt	REC6	Record 6 in curves in ADI?	No	

BOTTOM

Data: LAR_LEVER3113B\0001 TRIPLE COMBO 1\005 19-Aug-08 18:58 Up @7384.0f

Date: 19-Aug-08 19:38:28

HALLIBURTON

Plot Time: 19-Aug-08 22:44:29
Plot Range: 1490 ft to 7390 ft
...{ActiveWell}\Well Based\MAIN PASS1
Plot File: \\...\\IQ_ACRt_1IN_WILLIAMS

MAIN PASS 1" = 100' (HALF SCALE)

0 Gamma API 200

api

SP

-]10[+

0

DEEP RES

100

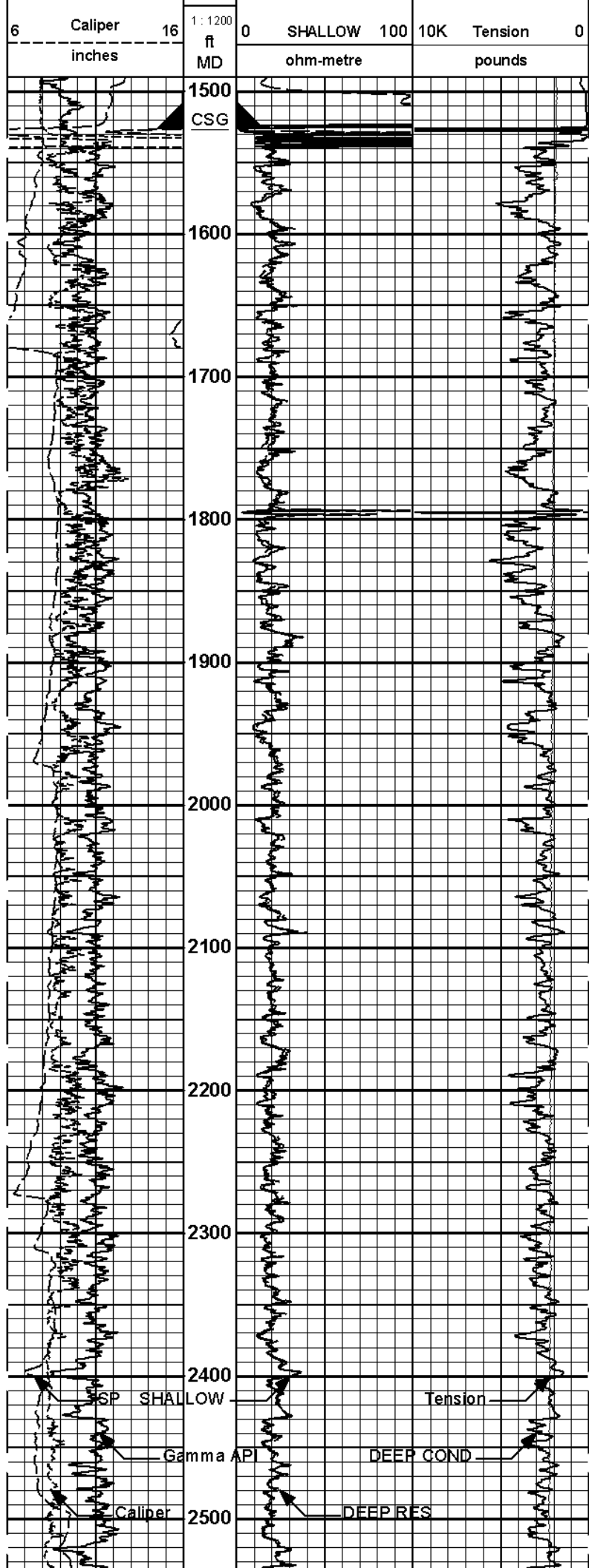
ohm-metre

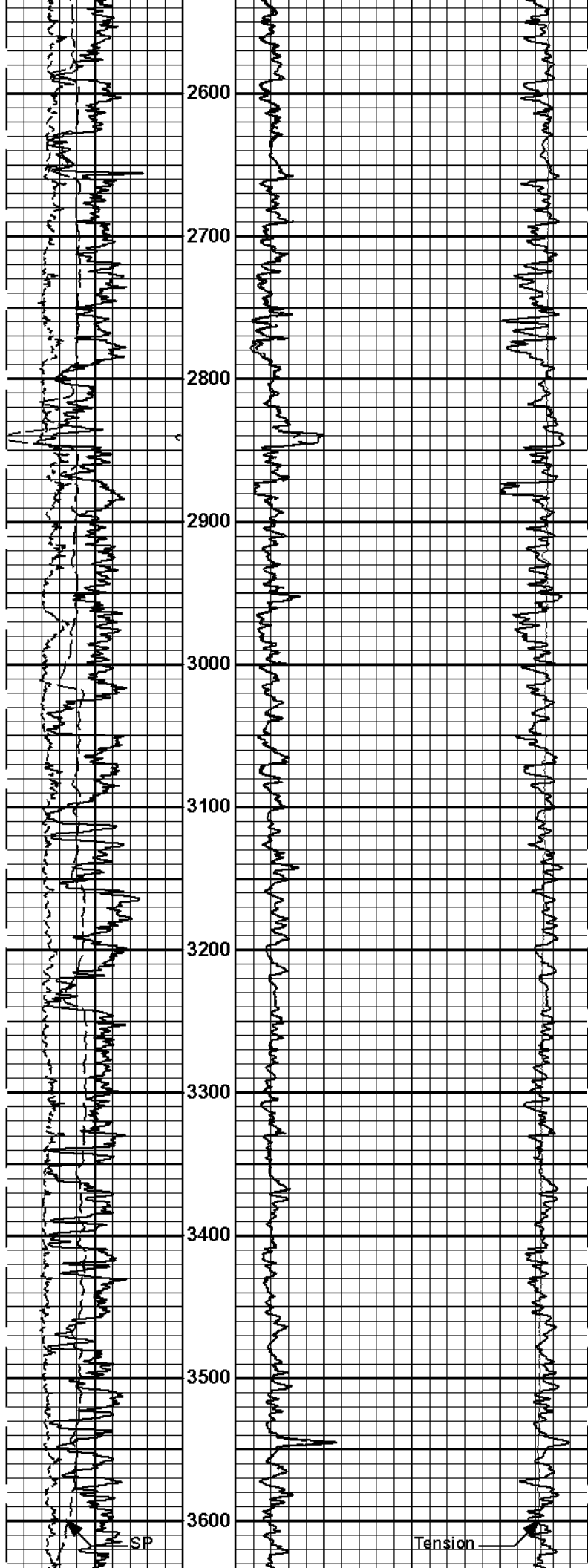
DEEP COND

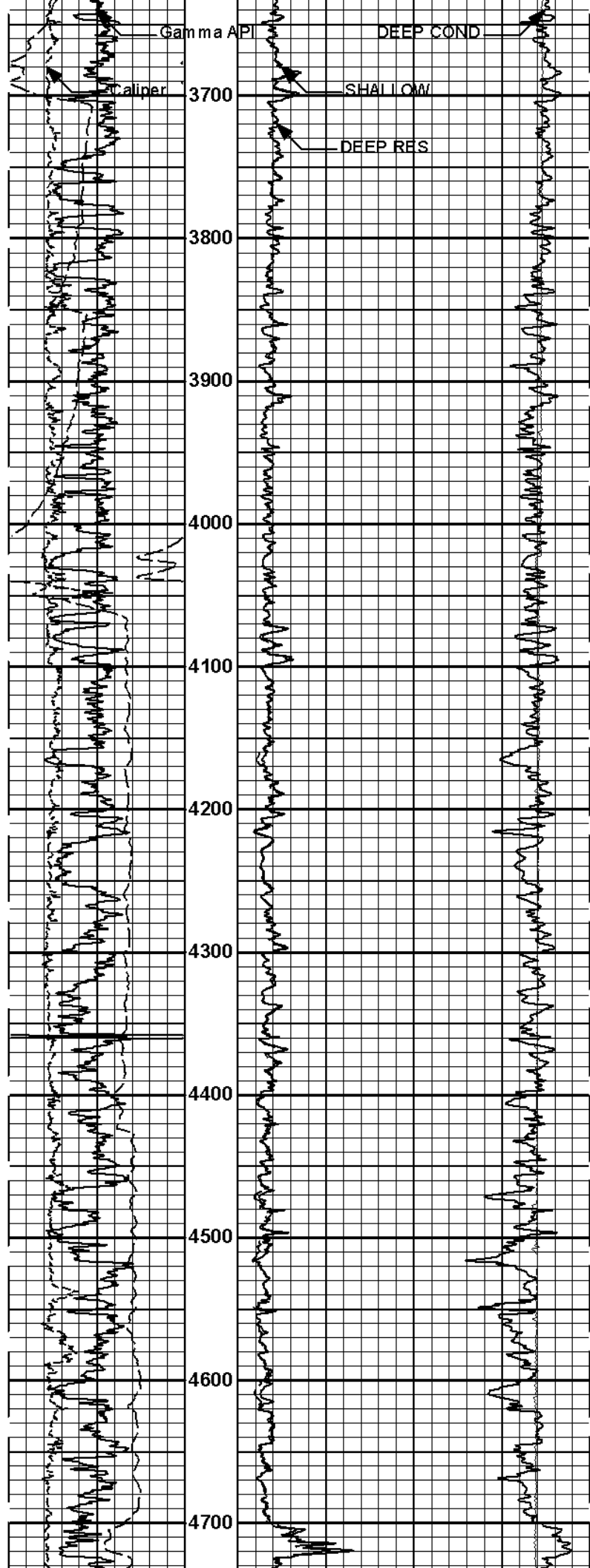
200

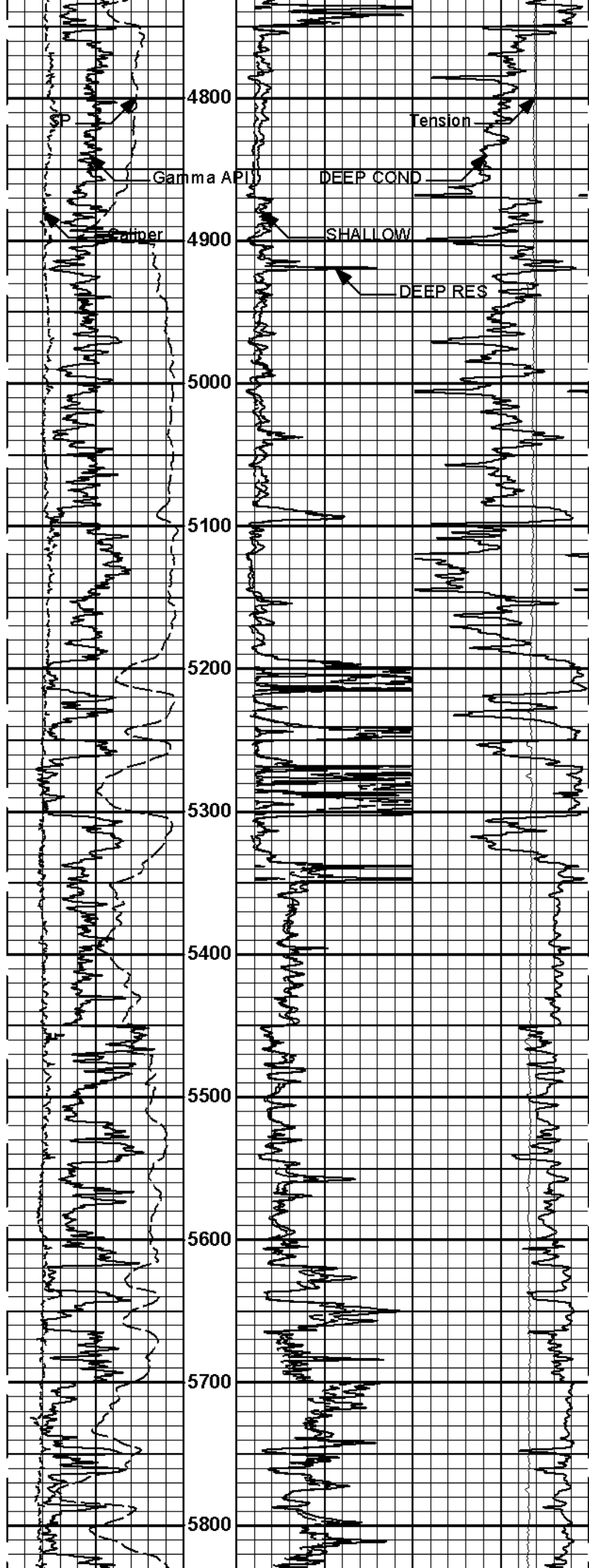
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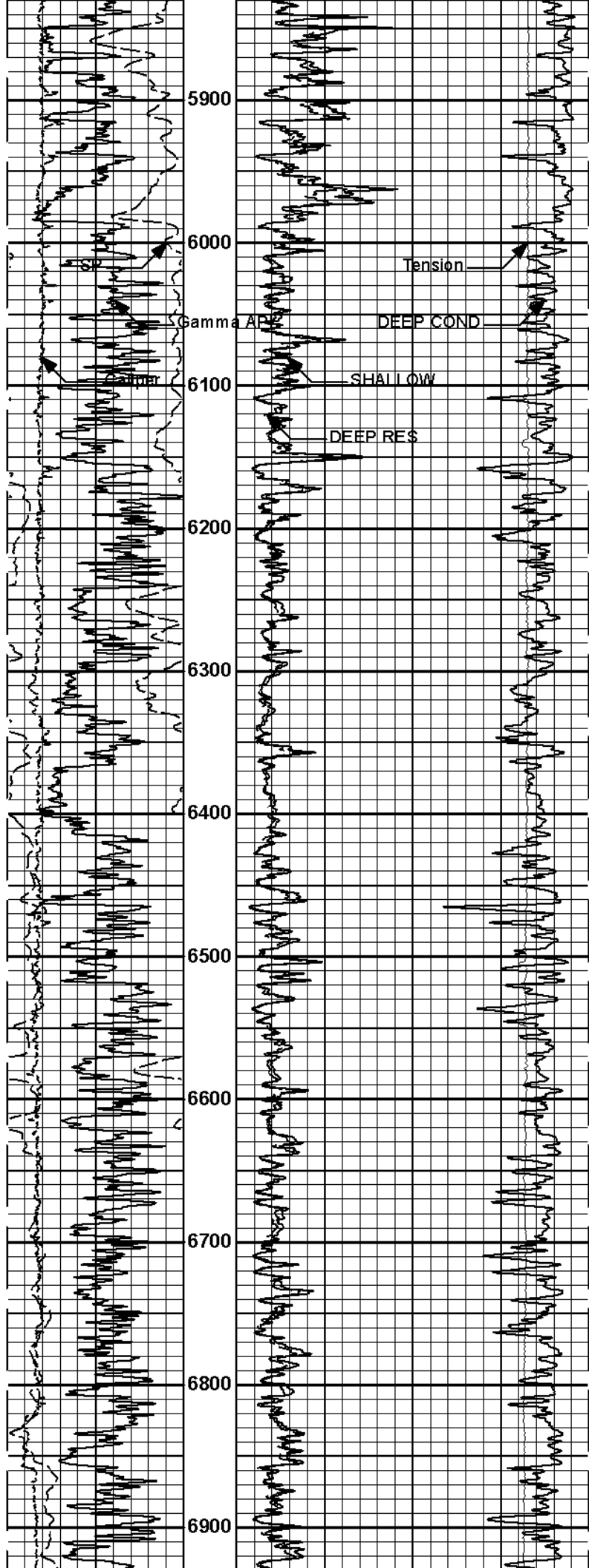
mmho per metre

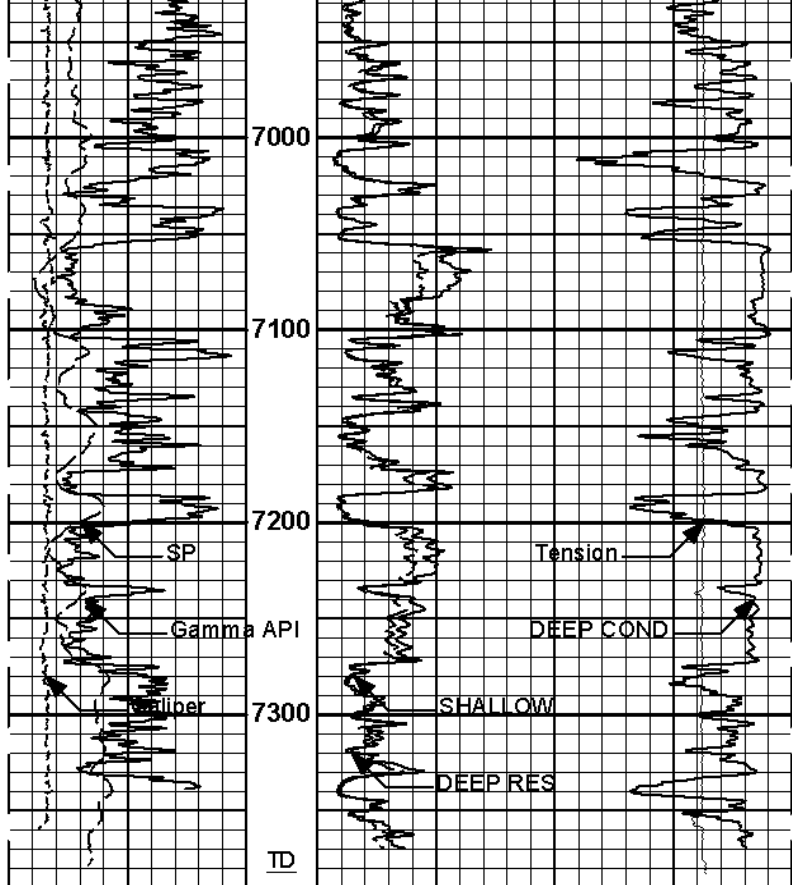












6	Caliper	16	1:1200 ft MD	0	SHALLOW	100	10K	Tension	0
	inches				ohm-metre			pounds	
	SP			0	DEEP RES	100	200	DEEP COND	0
	-]10[+				ohm-metre			mmho per metre	
0	Gamma API	200							
	api								

HALLIBURTON

Plot Time: 19-Aug-08 22:44:32
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 ...{ActiveWell}\Well Based\MAIN PASS\
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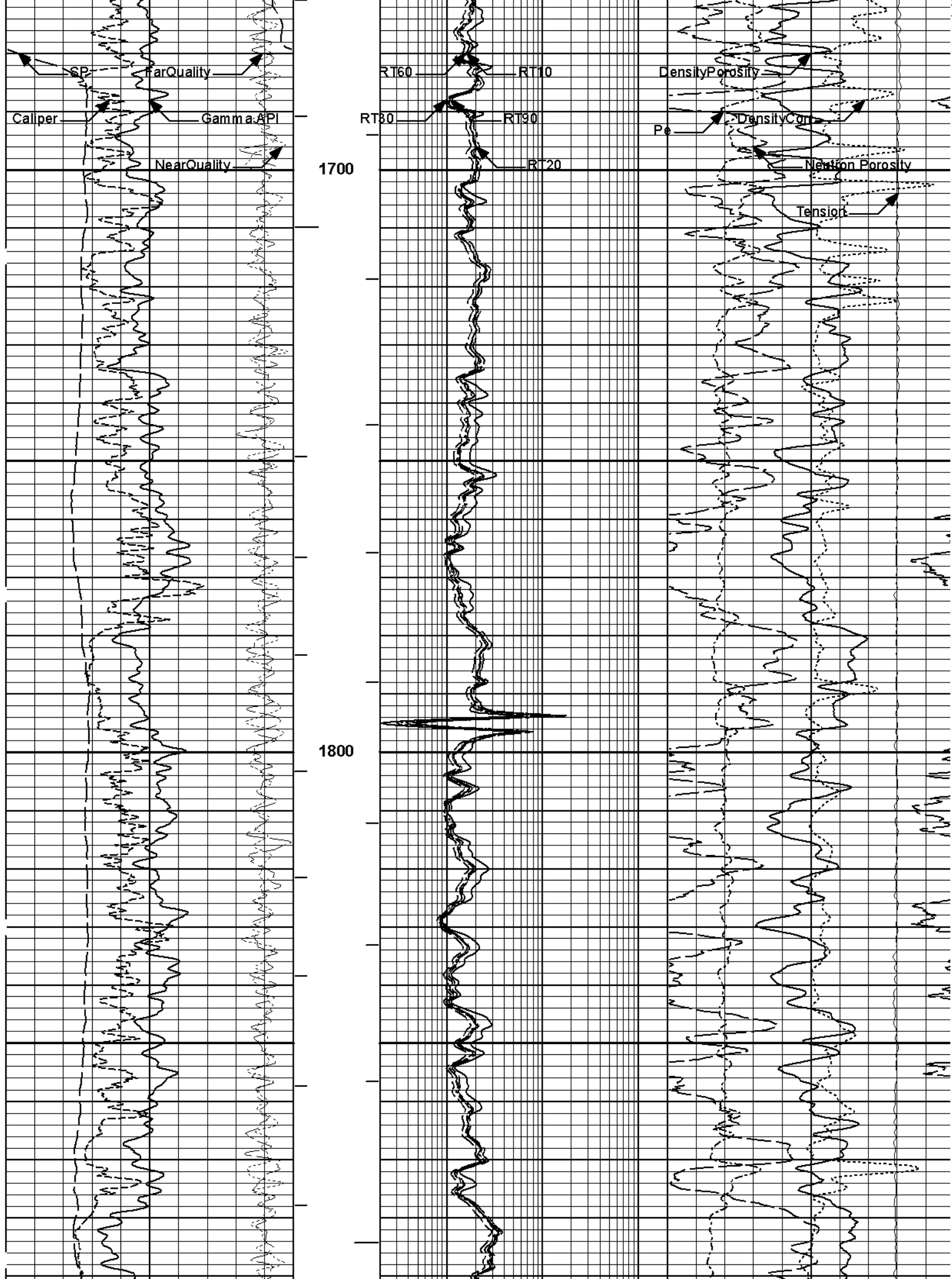
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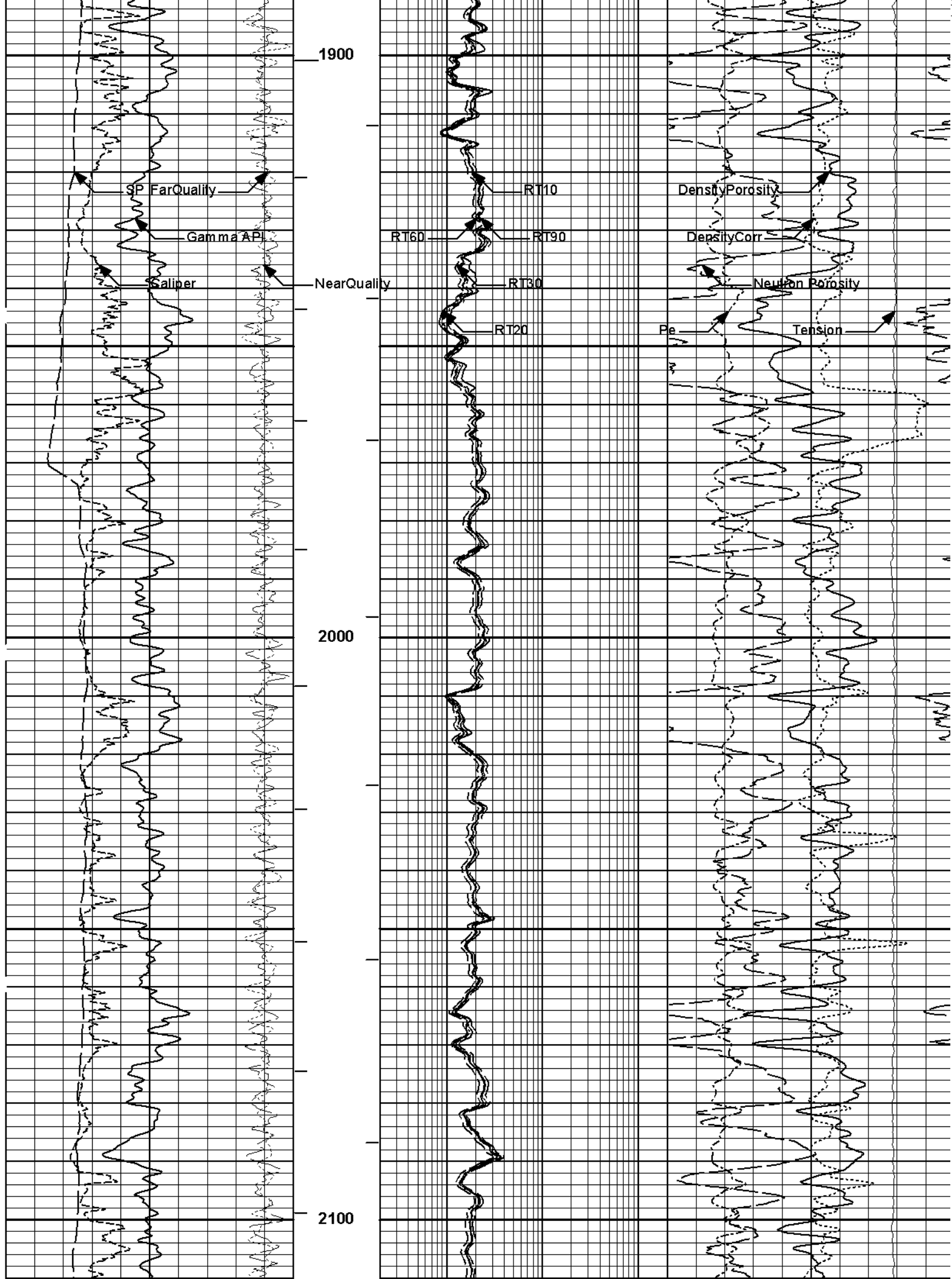
HALLIBURTON

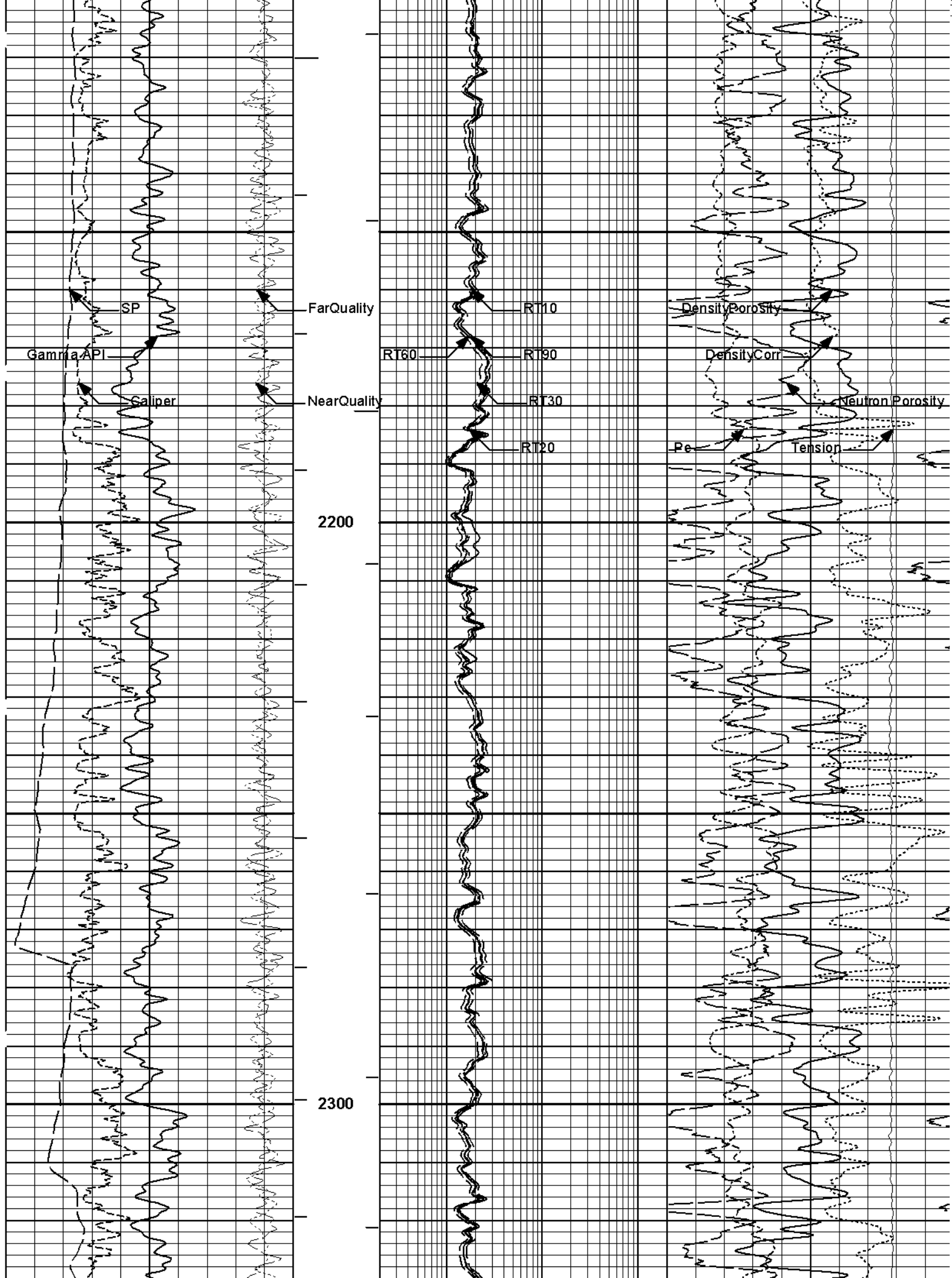
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 Data: {ActiveWell}\Well Based\MAIN PASS\
 Plot File: \\TRIPLE\\IQ_COMPOSITE_5IN_RM

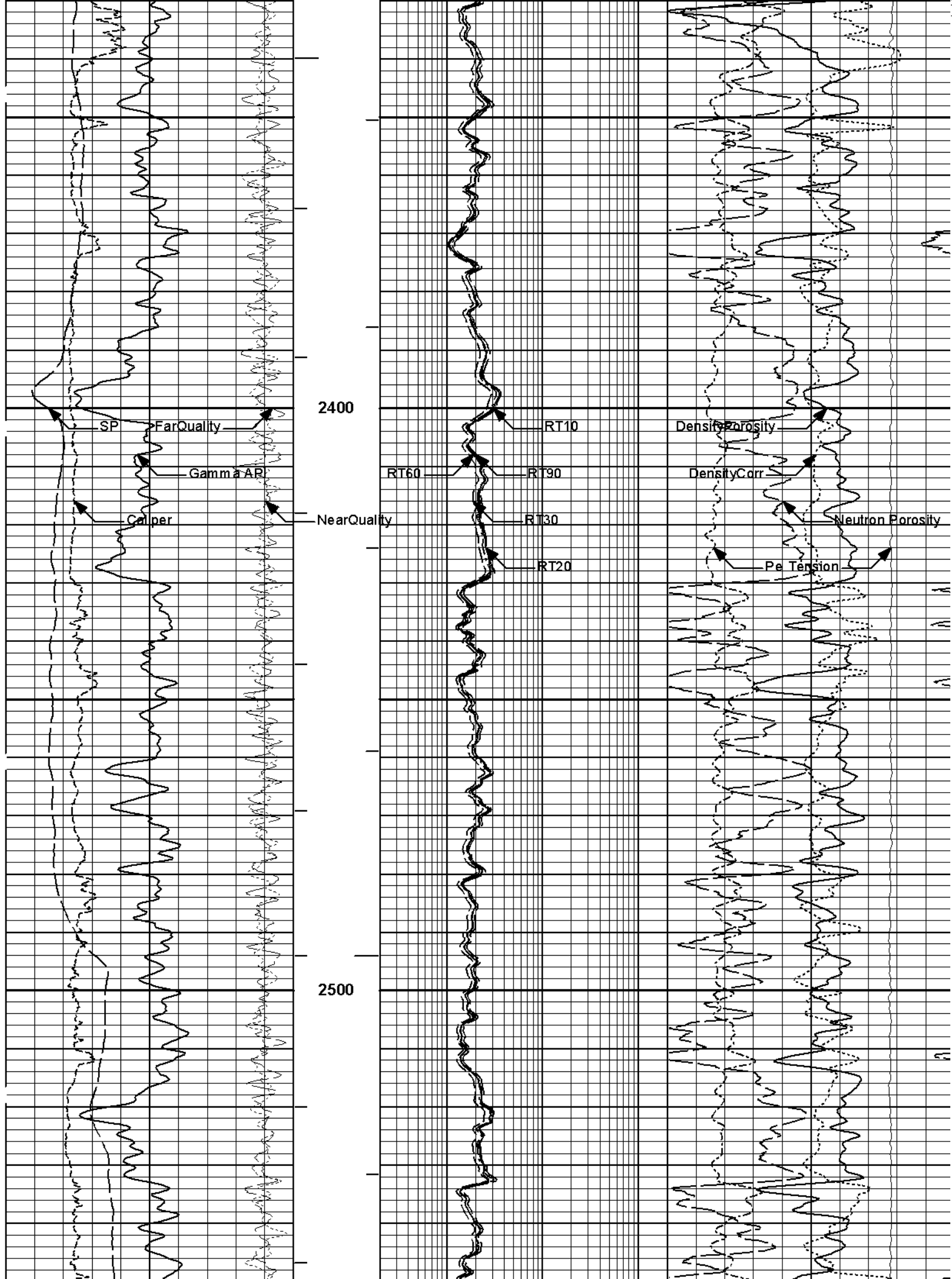
MAIN PASS 5" = 100'

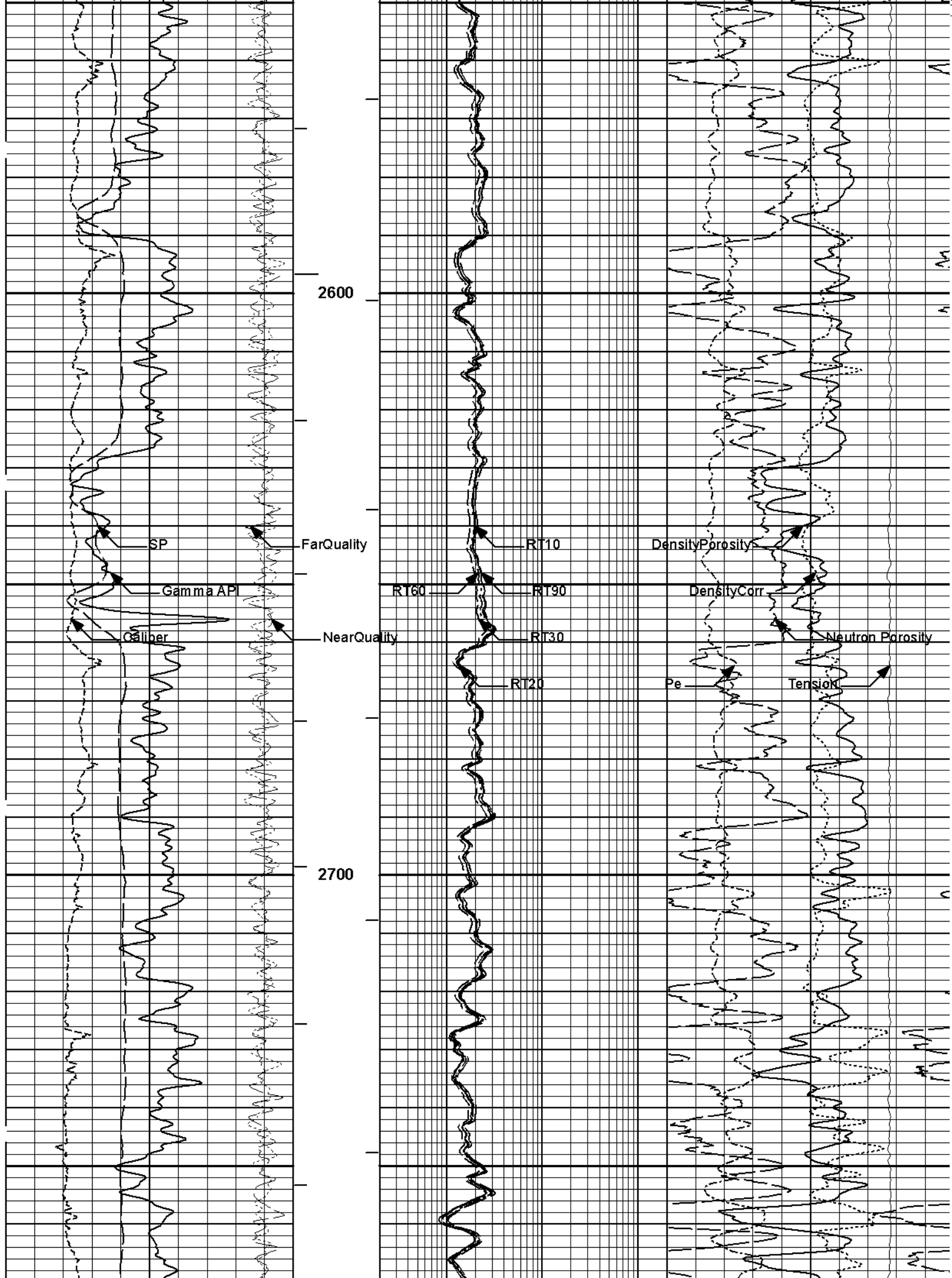
SP		2	RT90	2K	10000	Tension	0
-]10[+			Ohm-m			pounds	

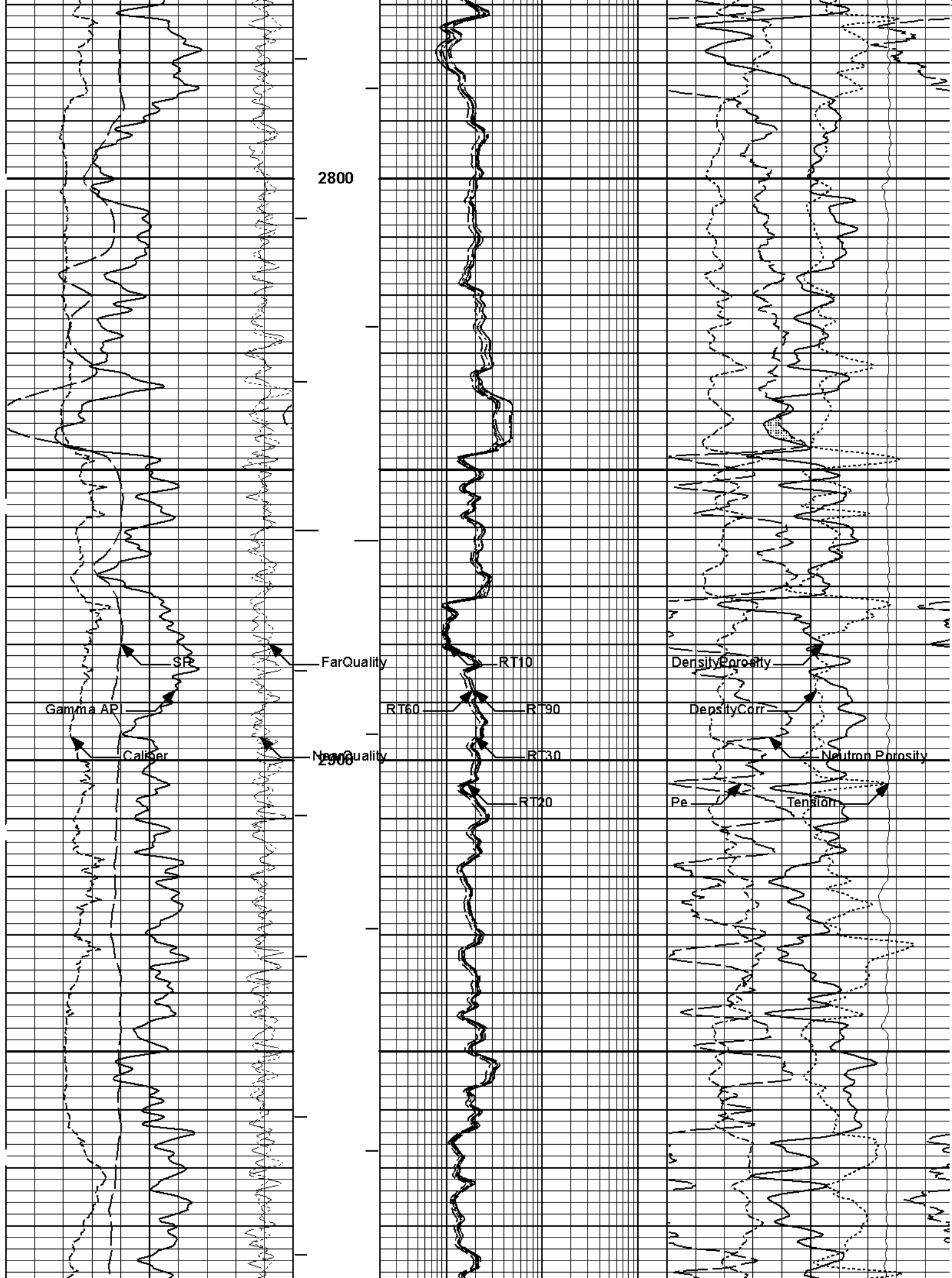


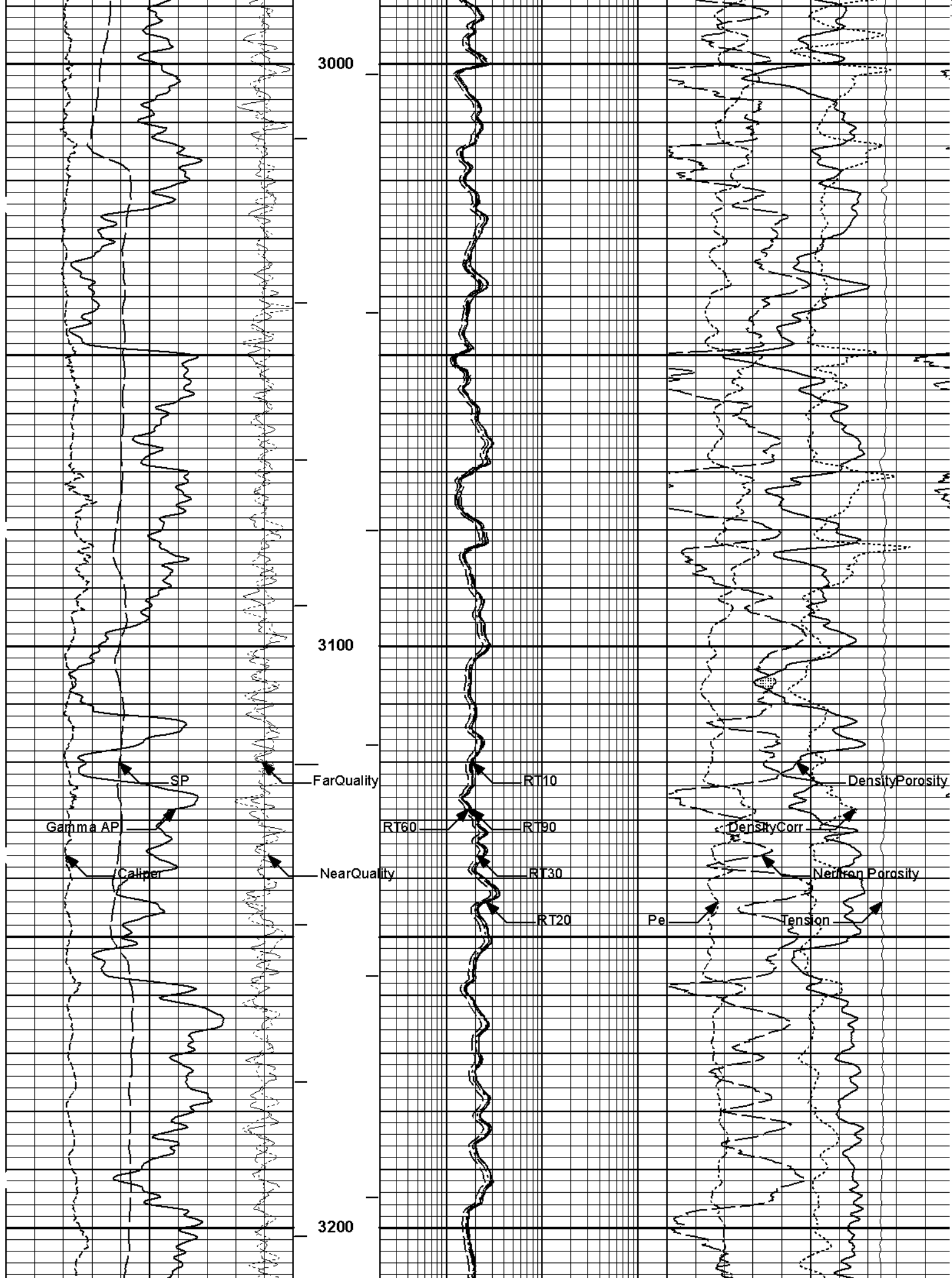


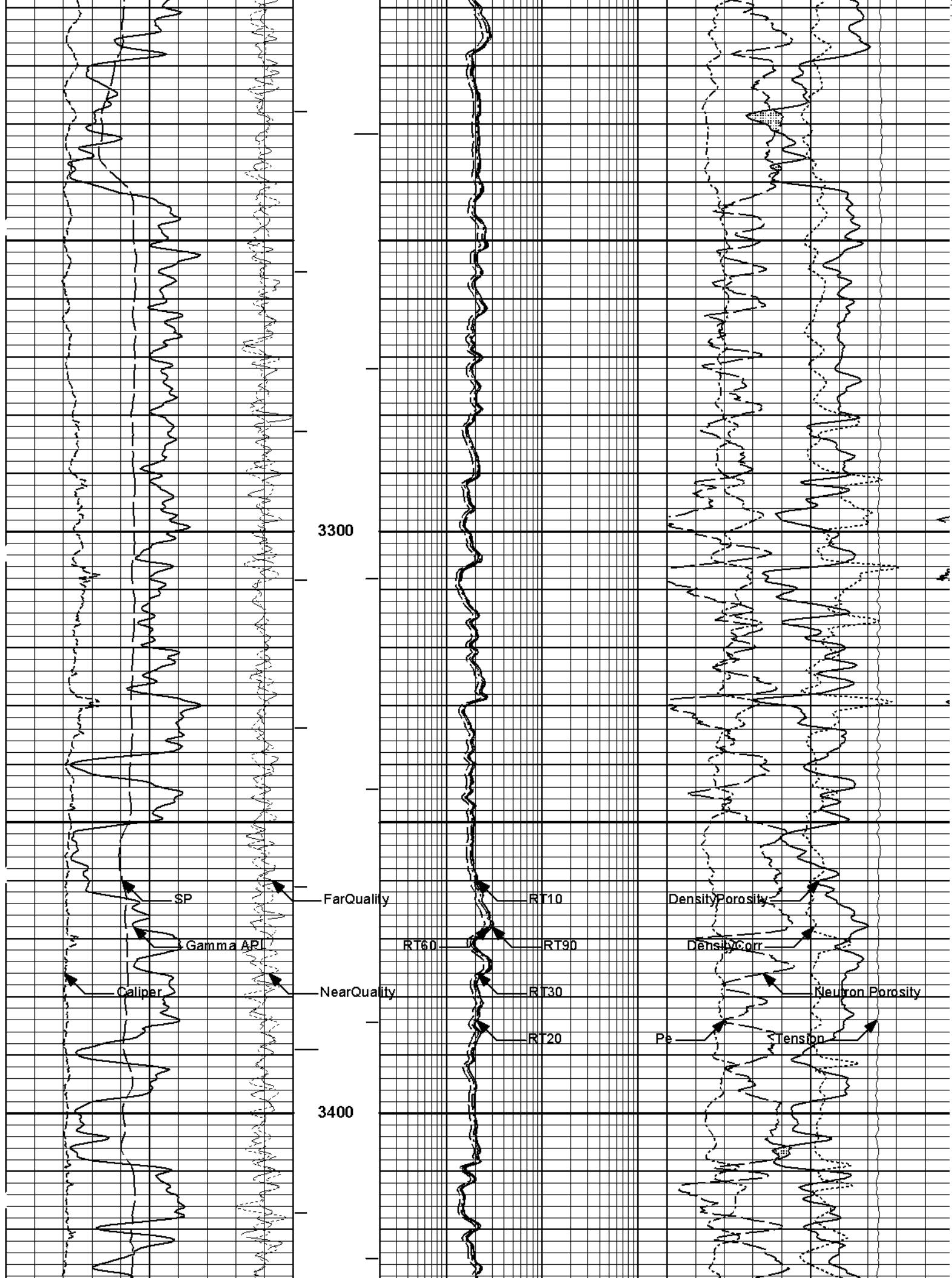


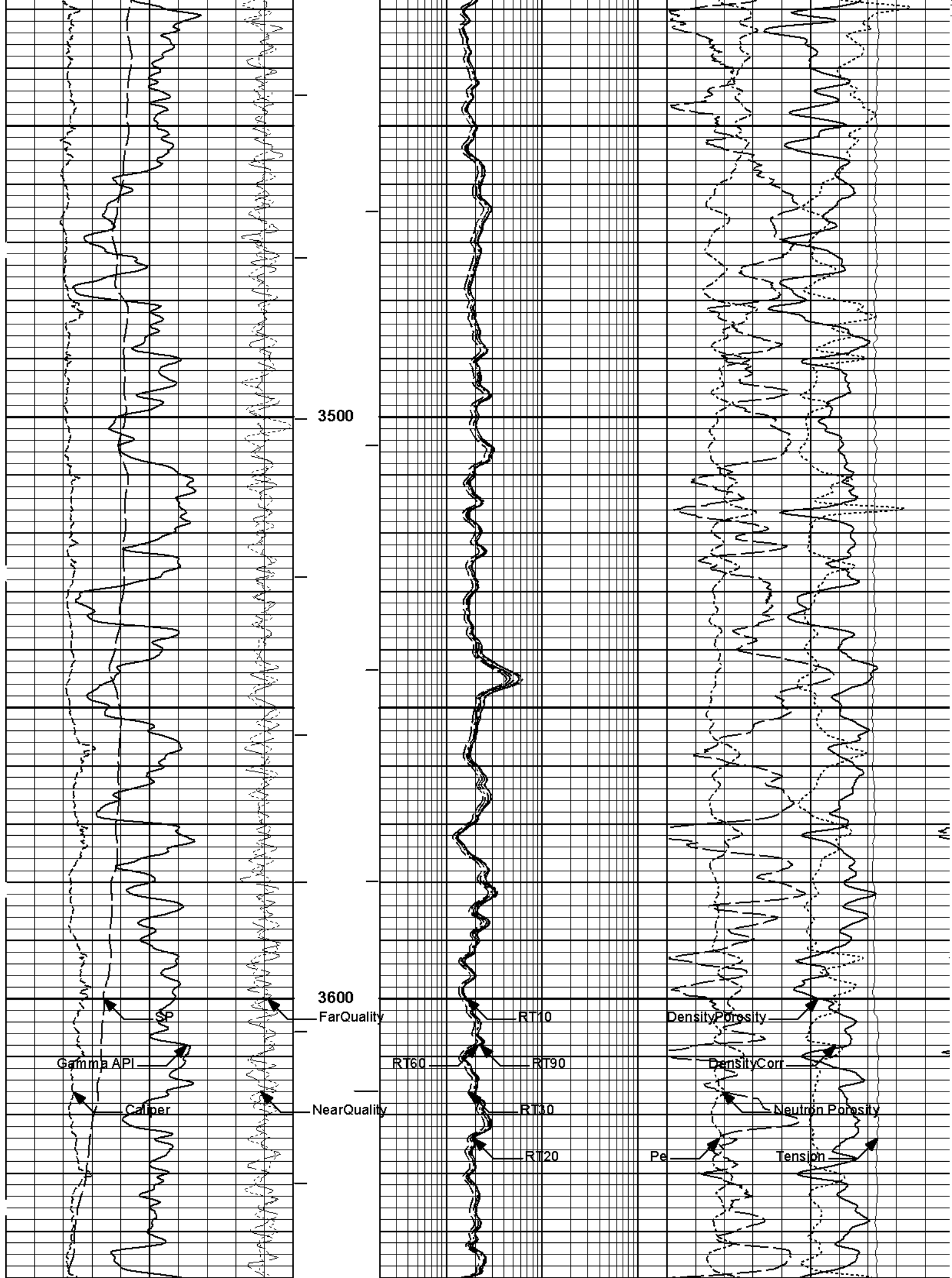


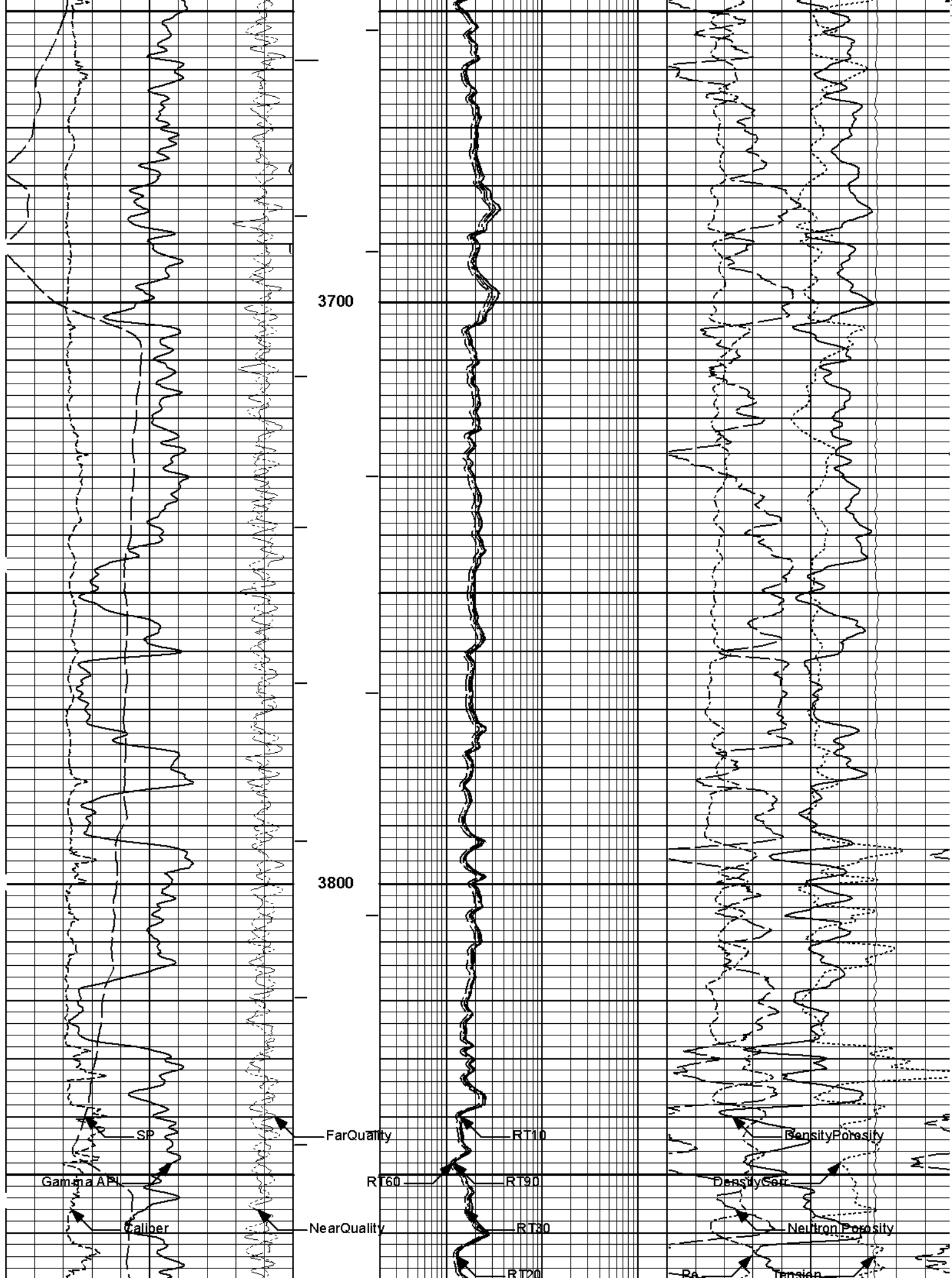


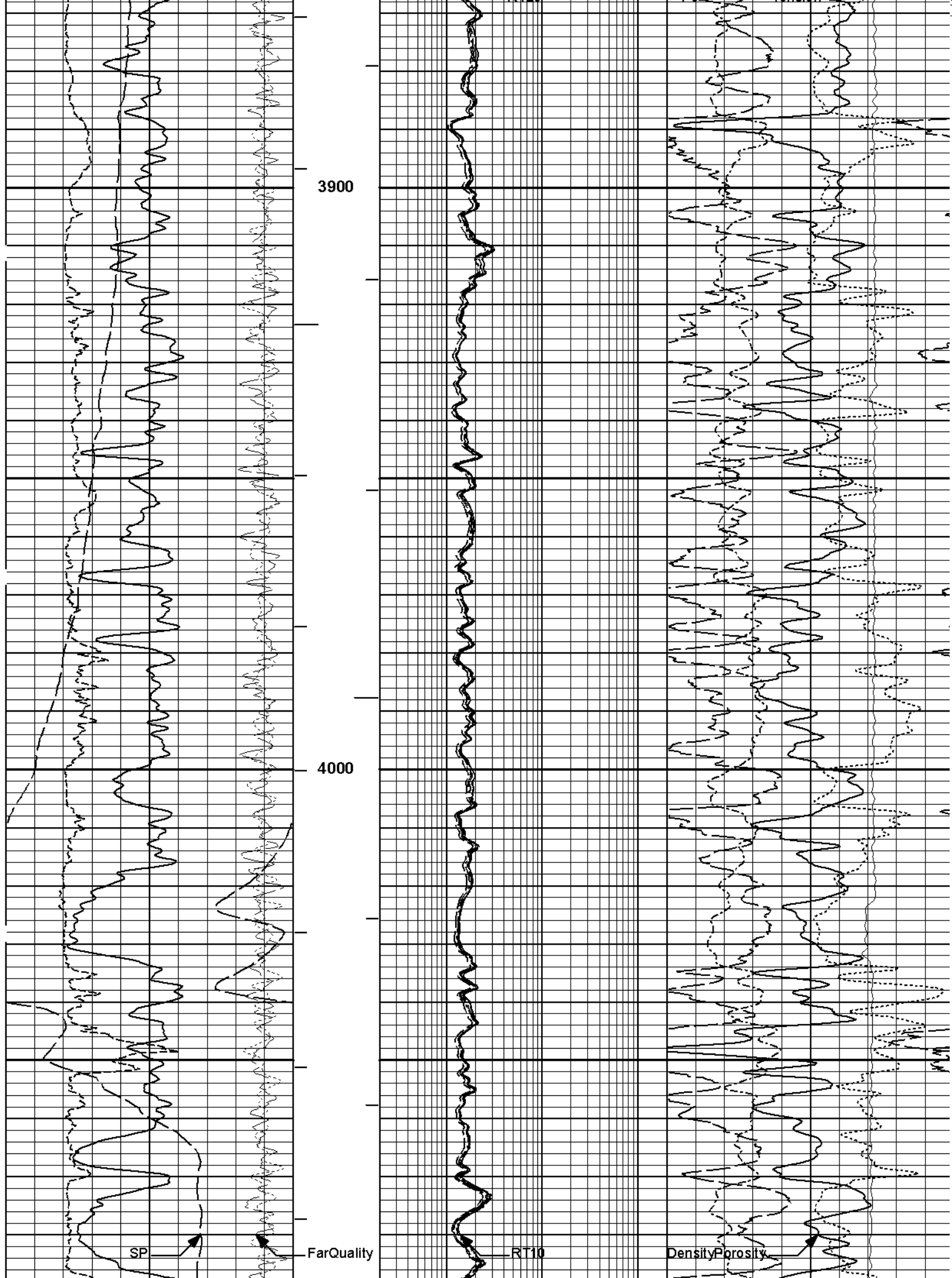


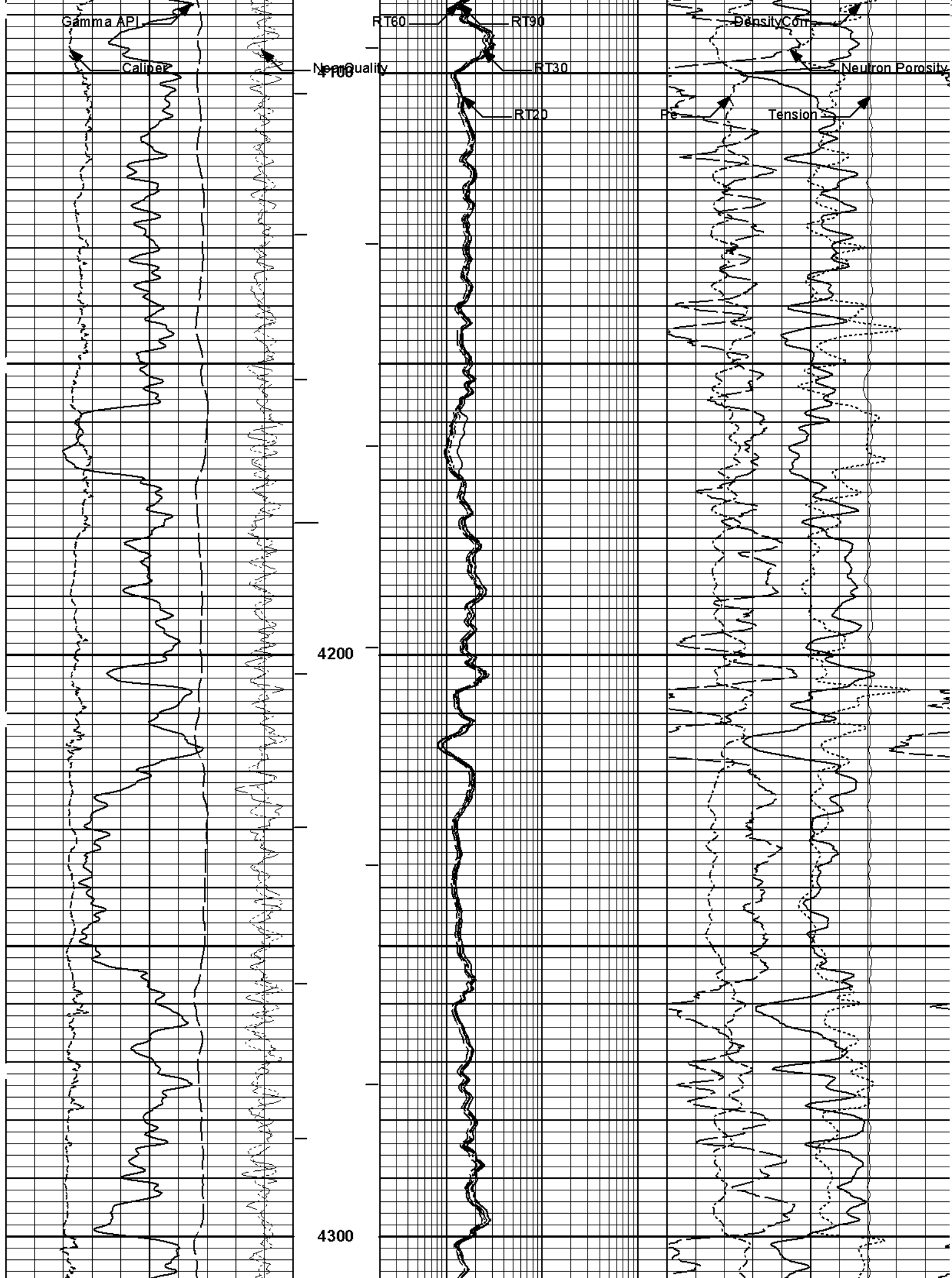


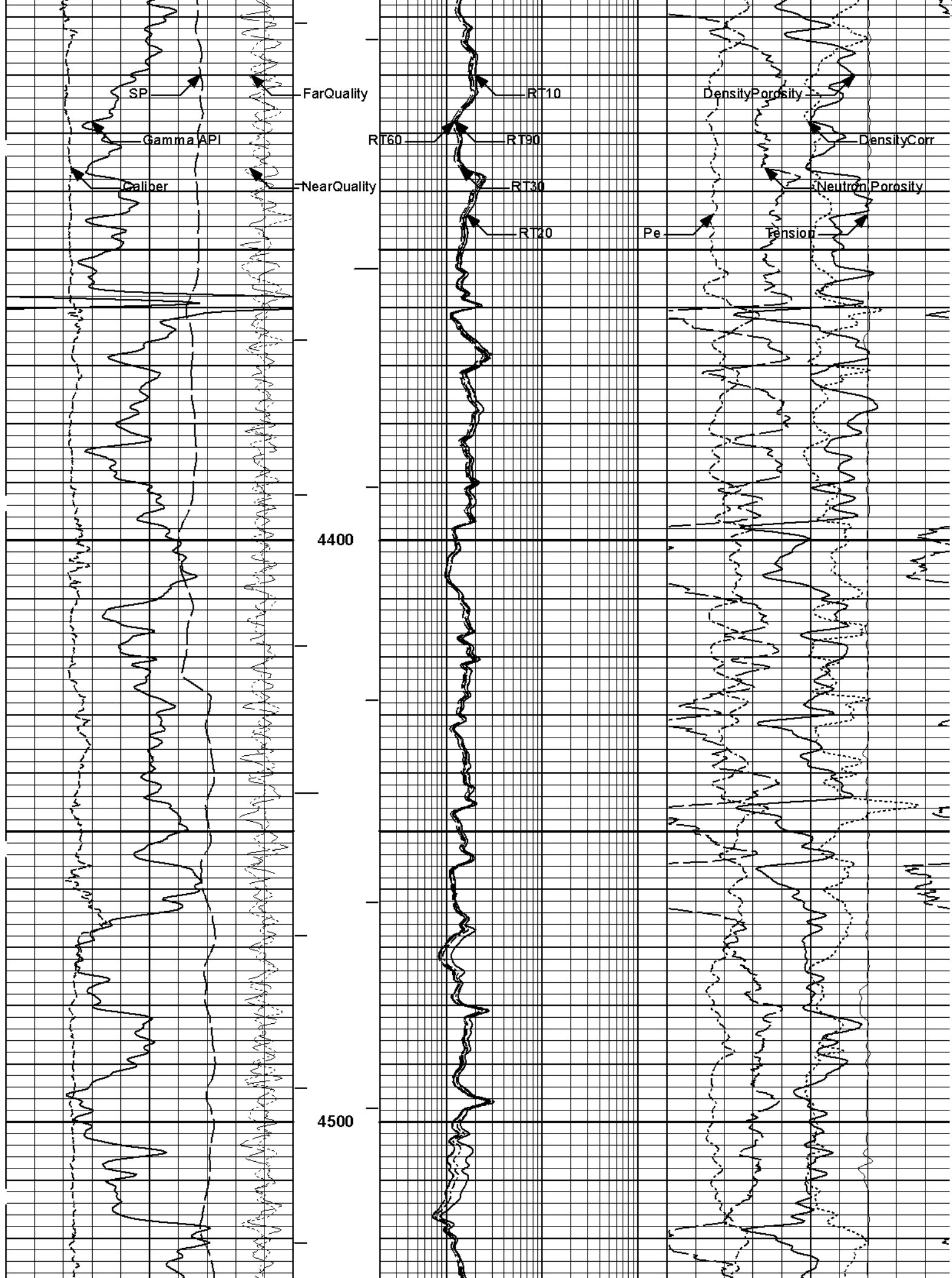


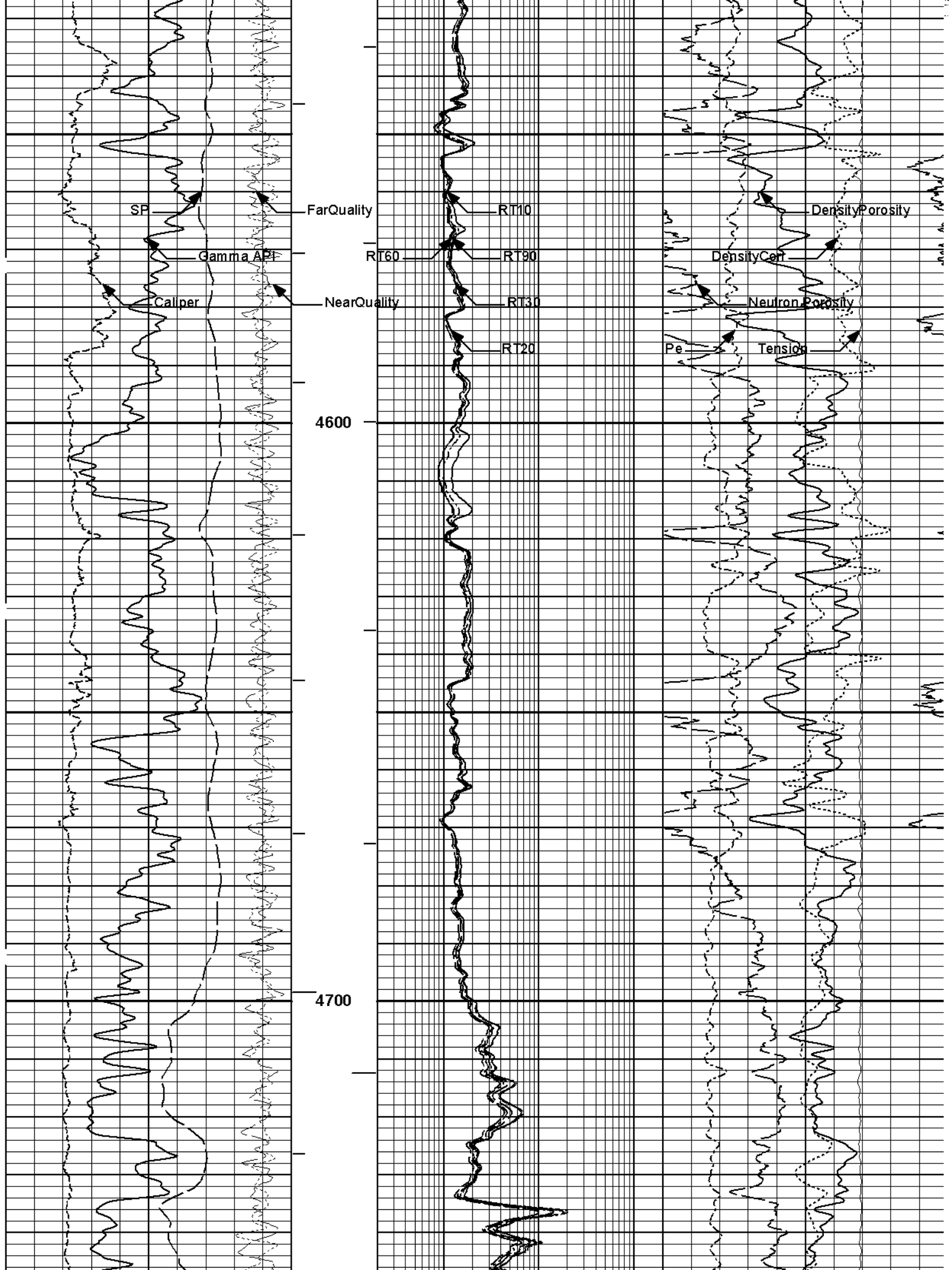


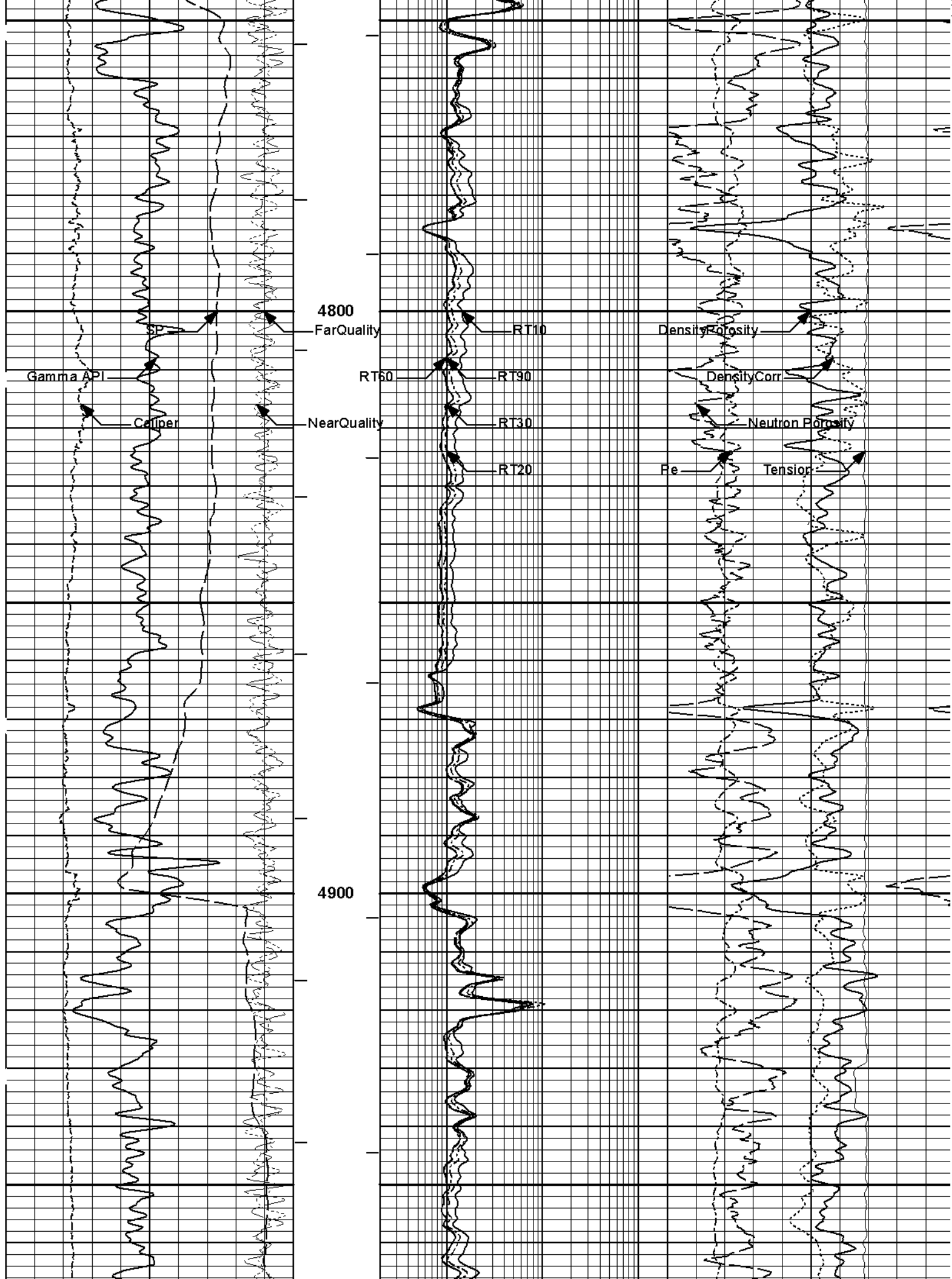


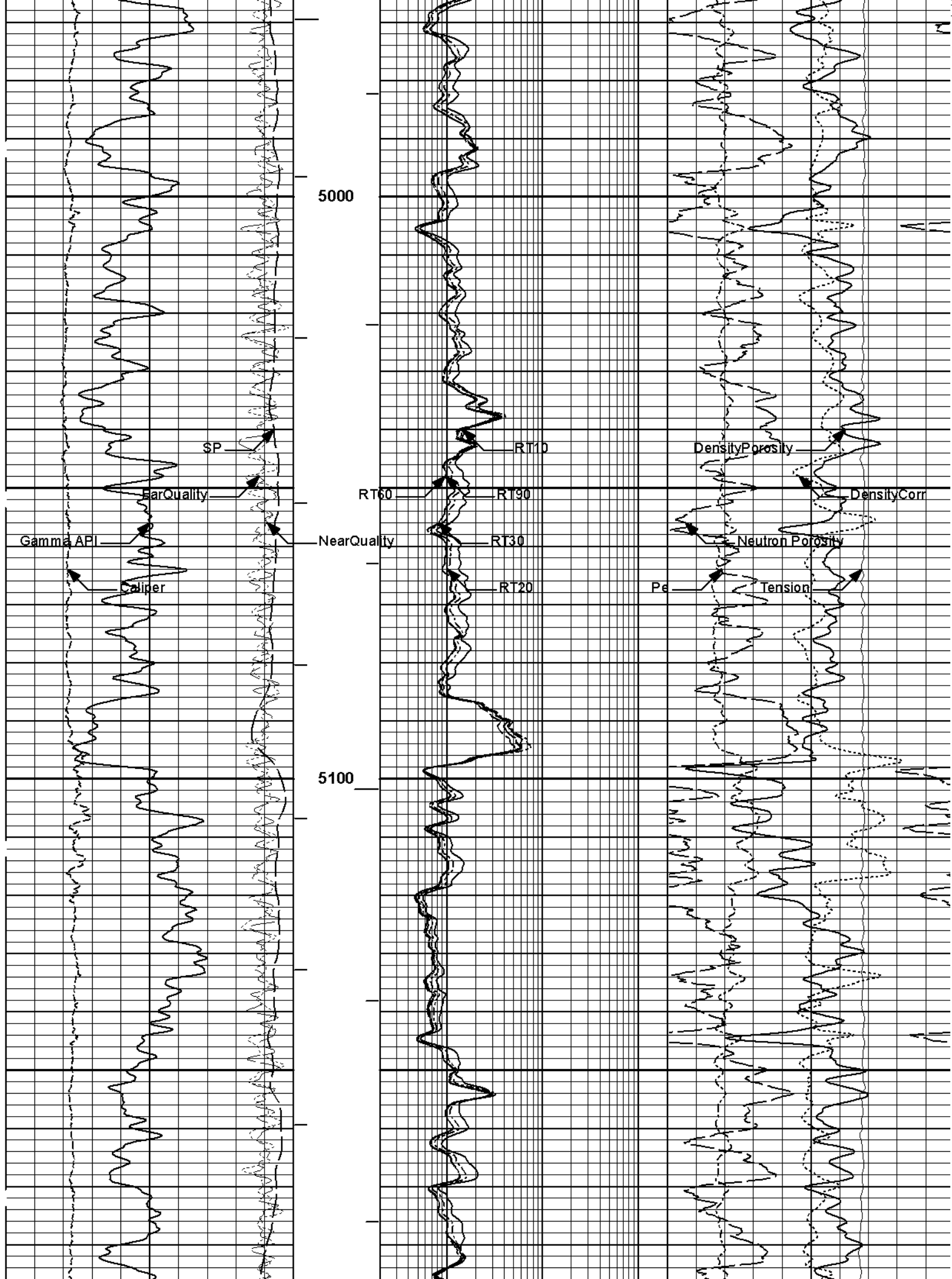


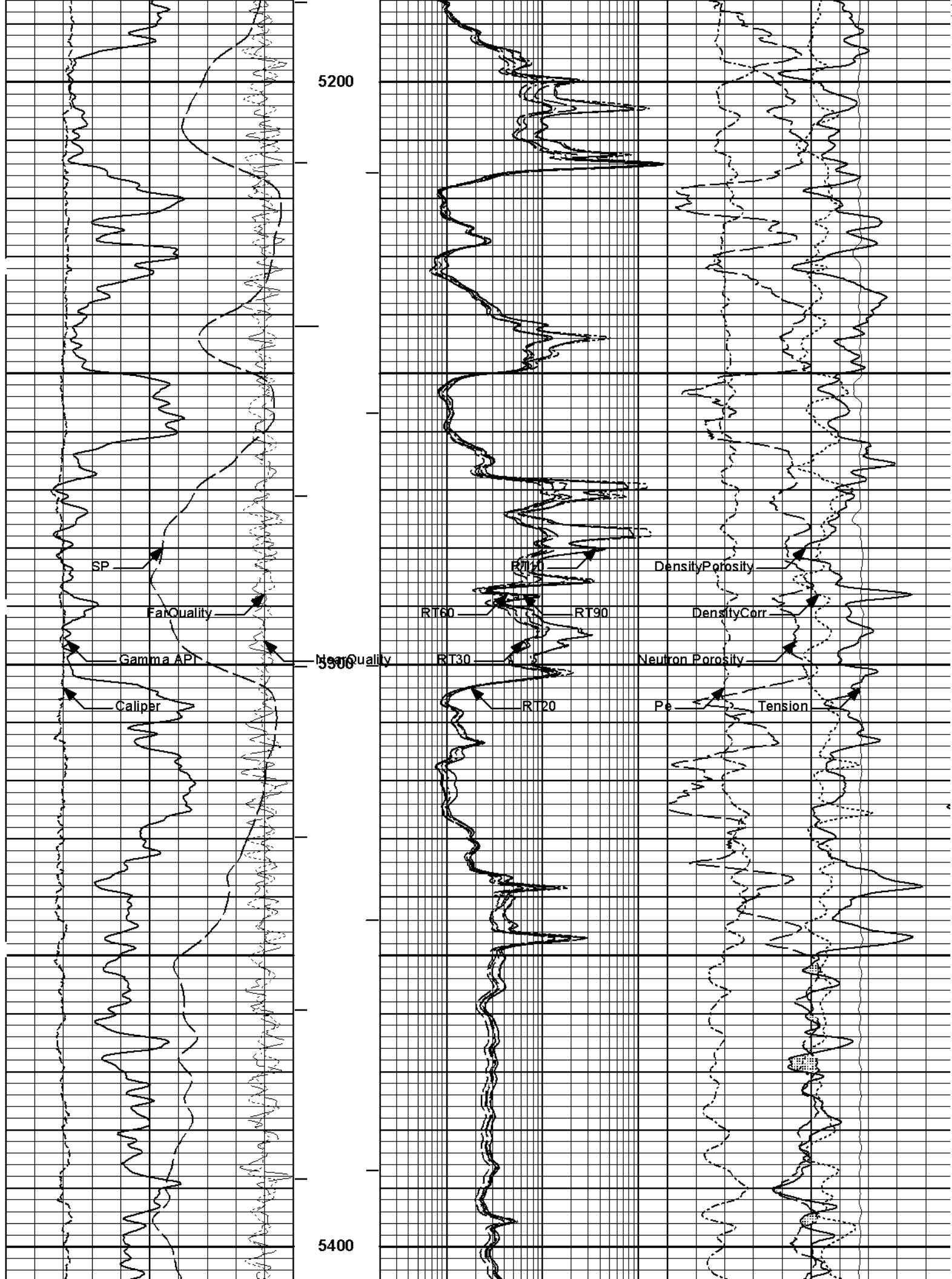


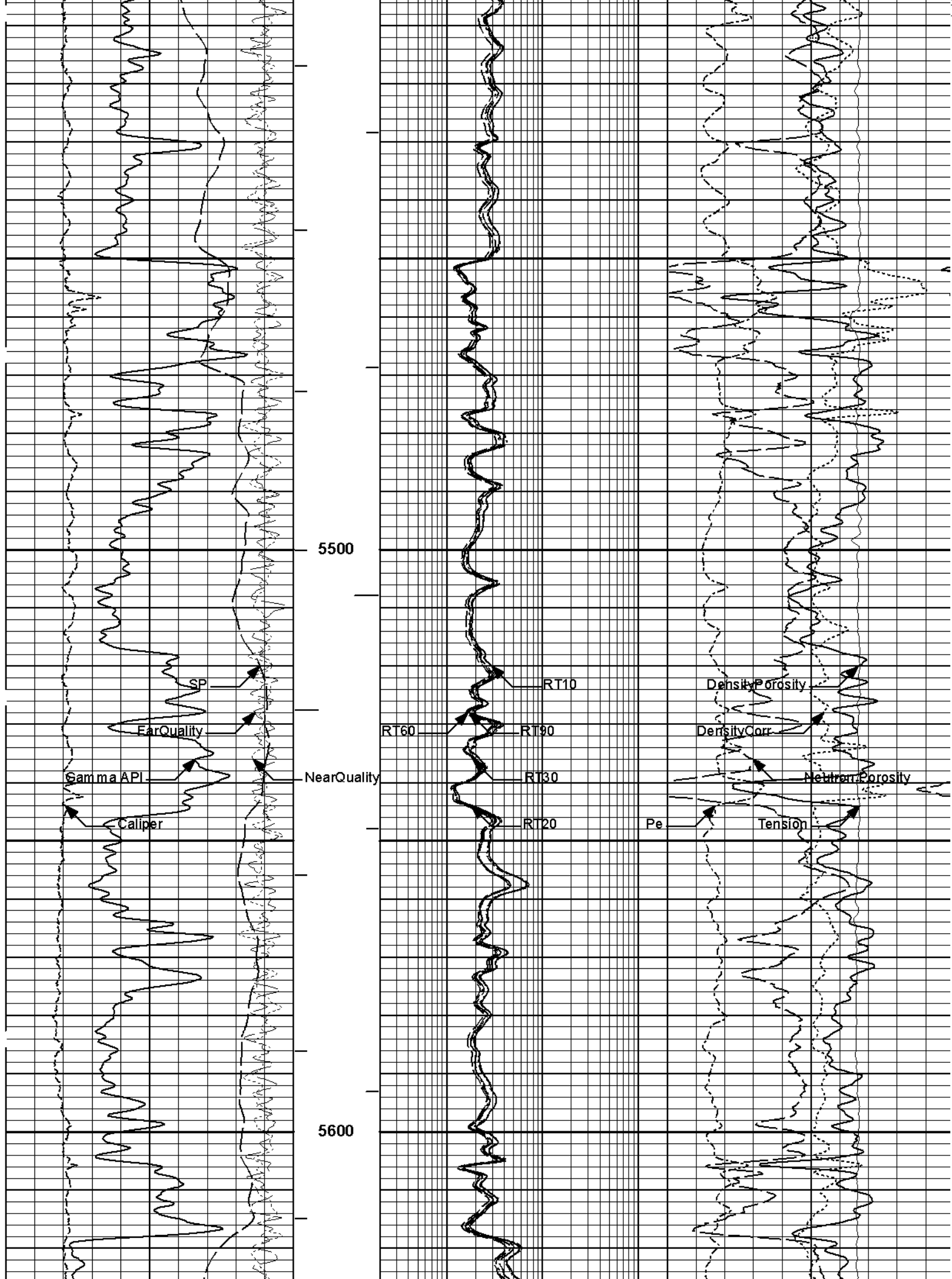


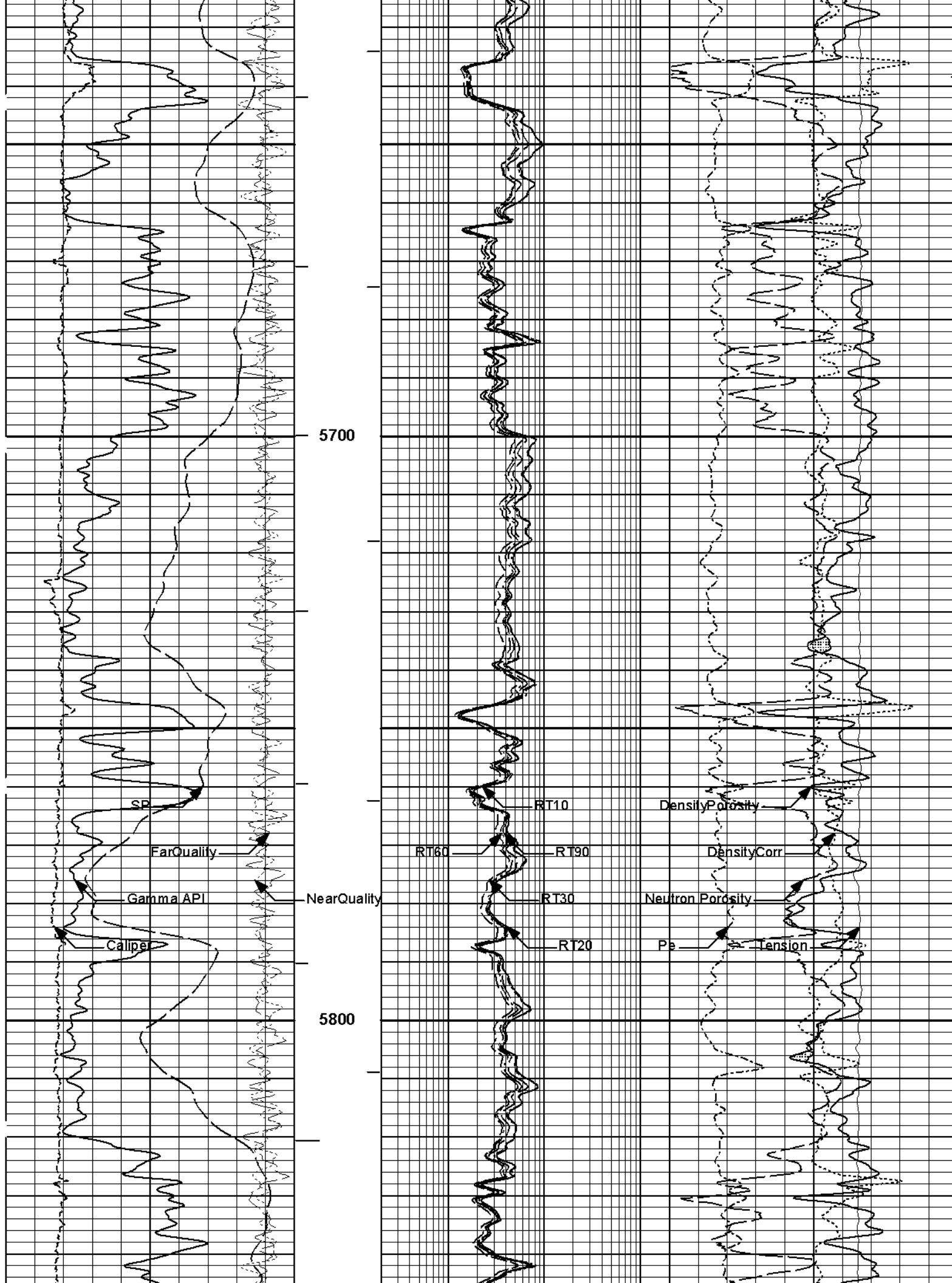


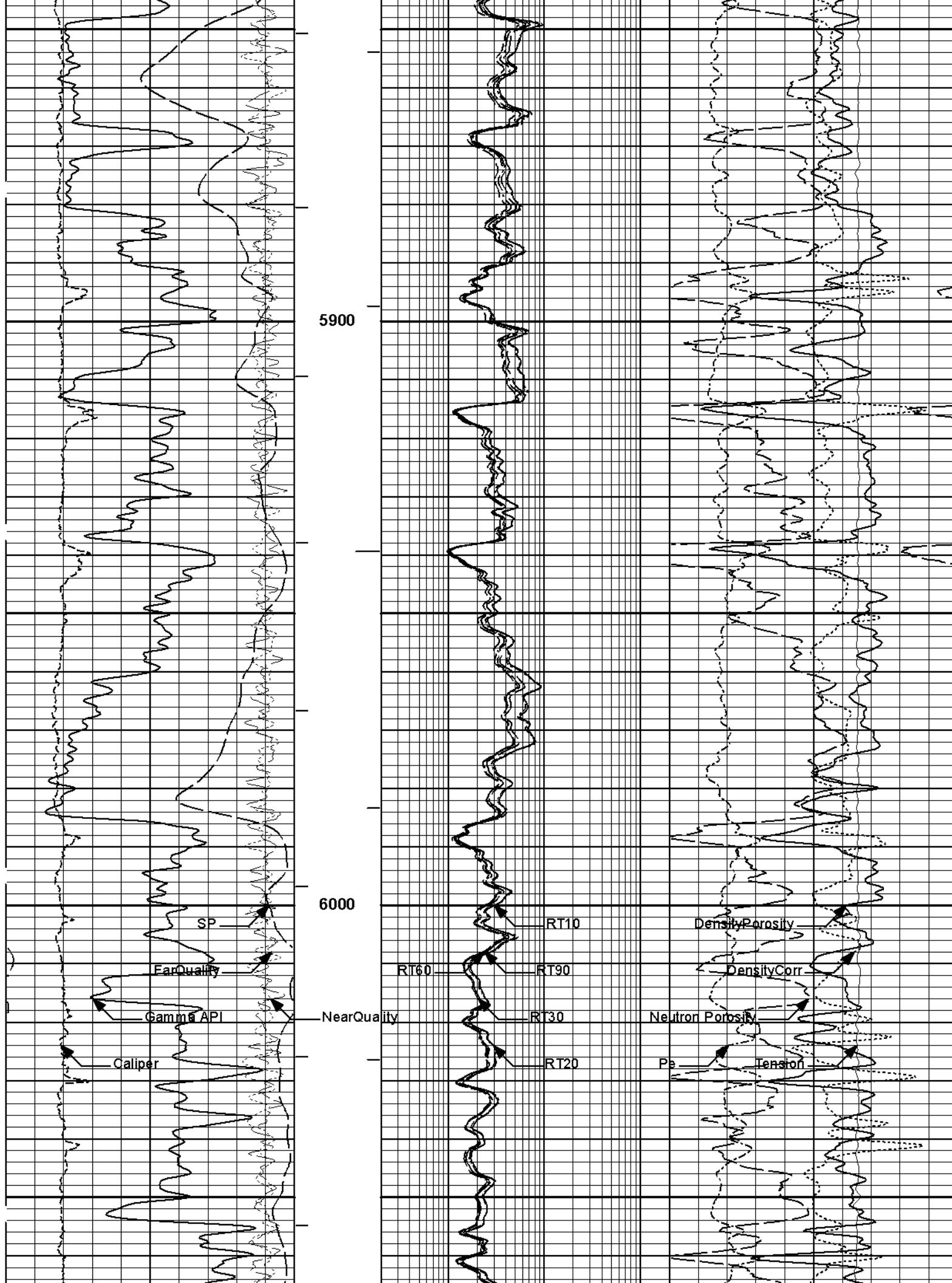


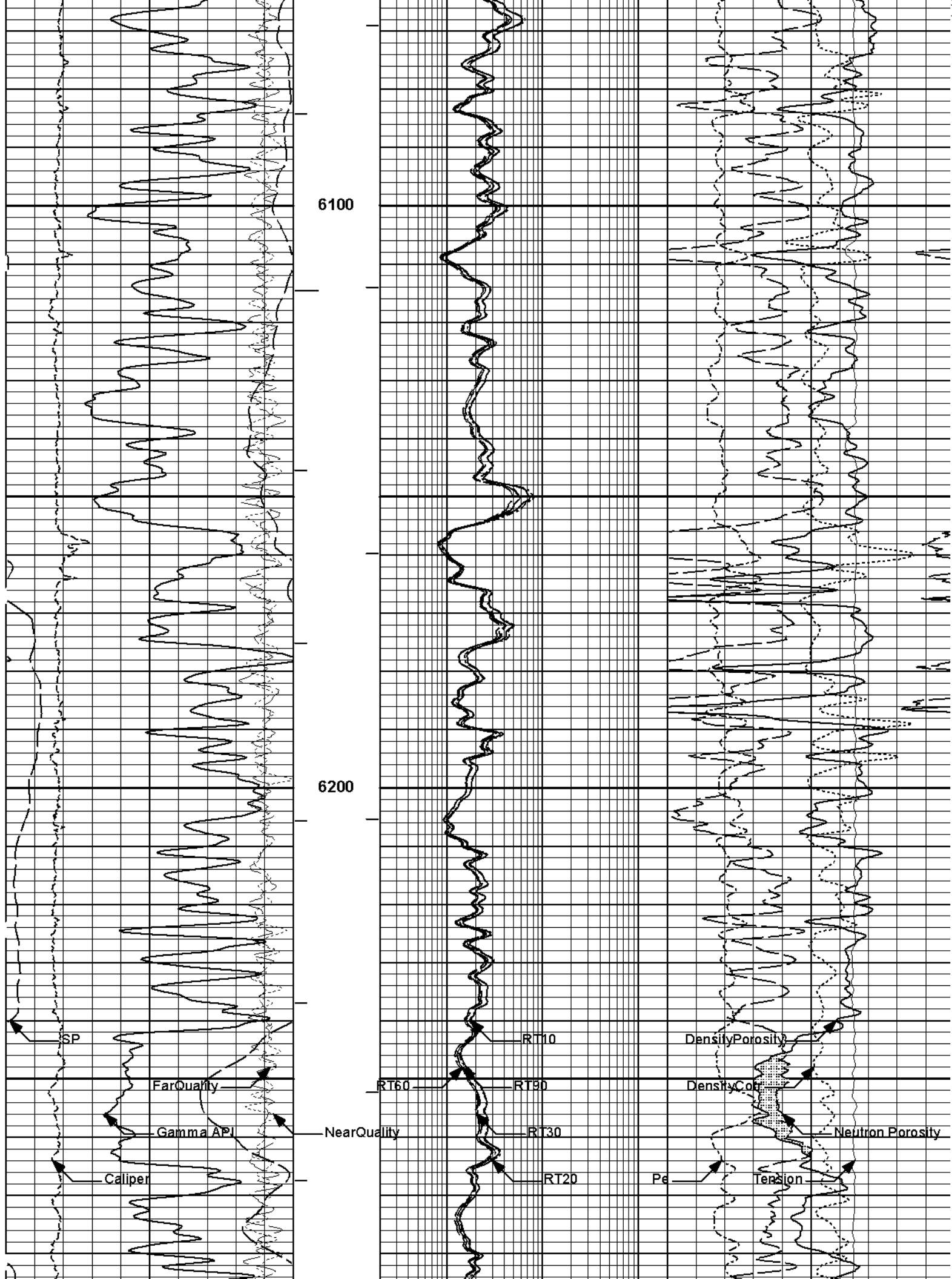


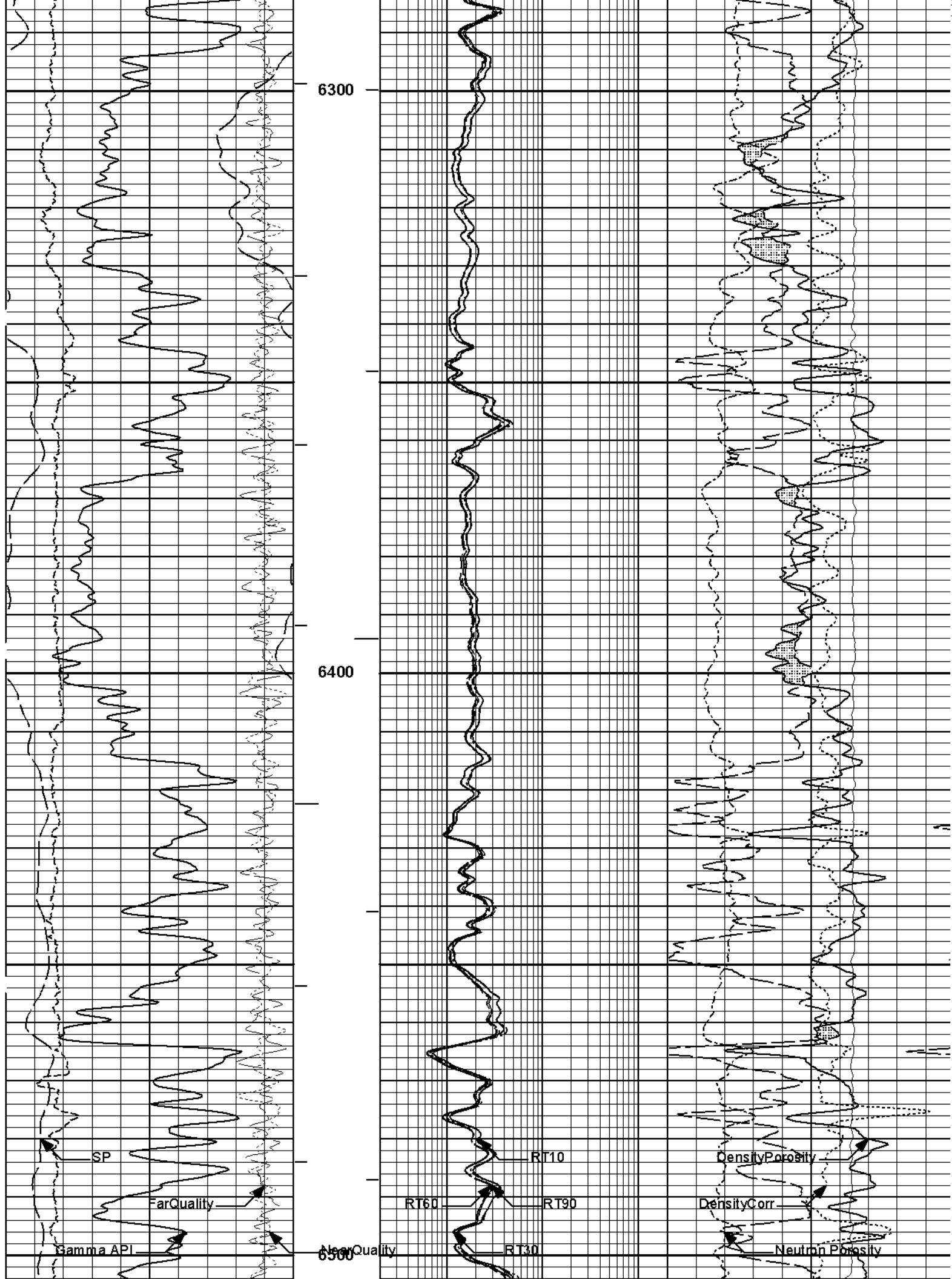












Caliper

RT20

Pe

Tension

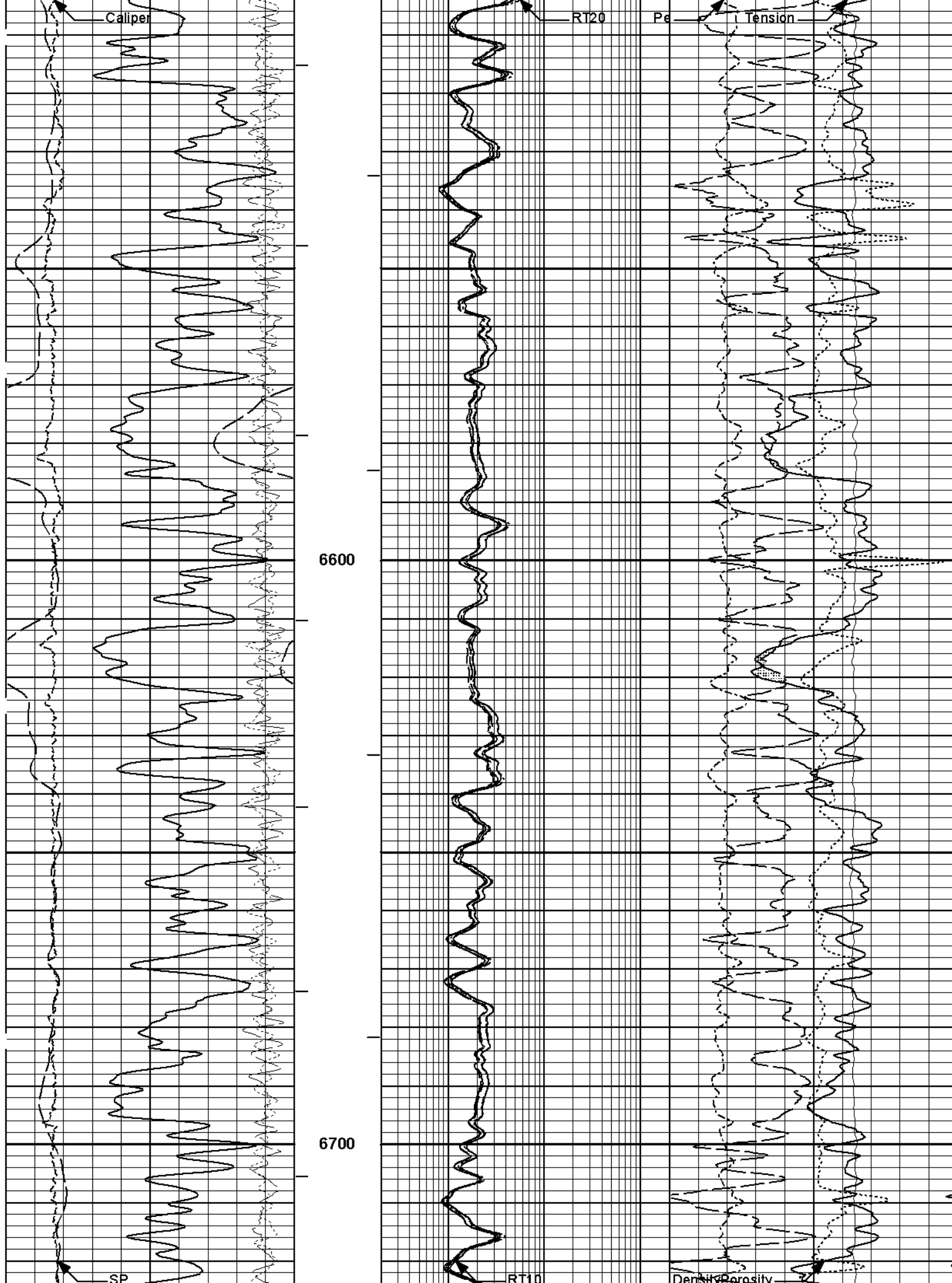
6600

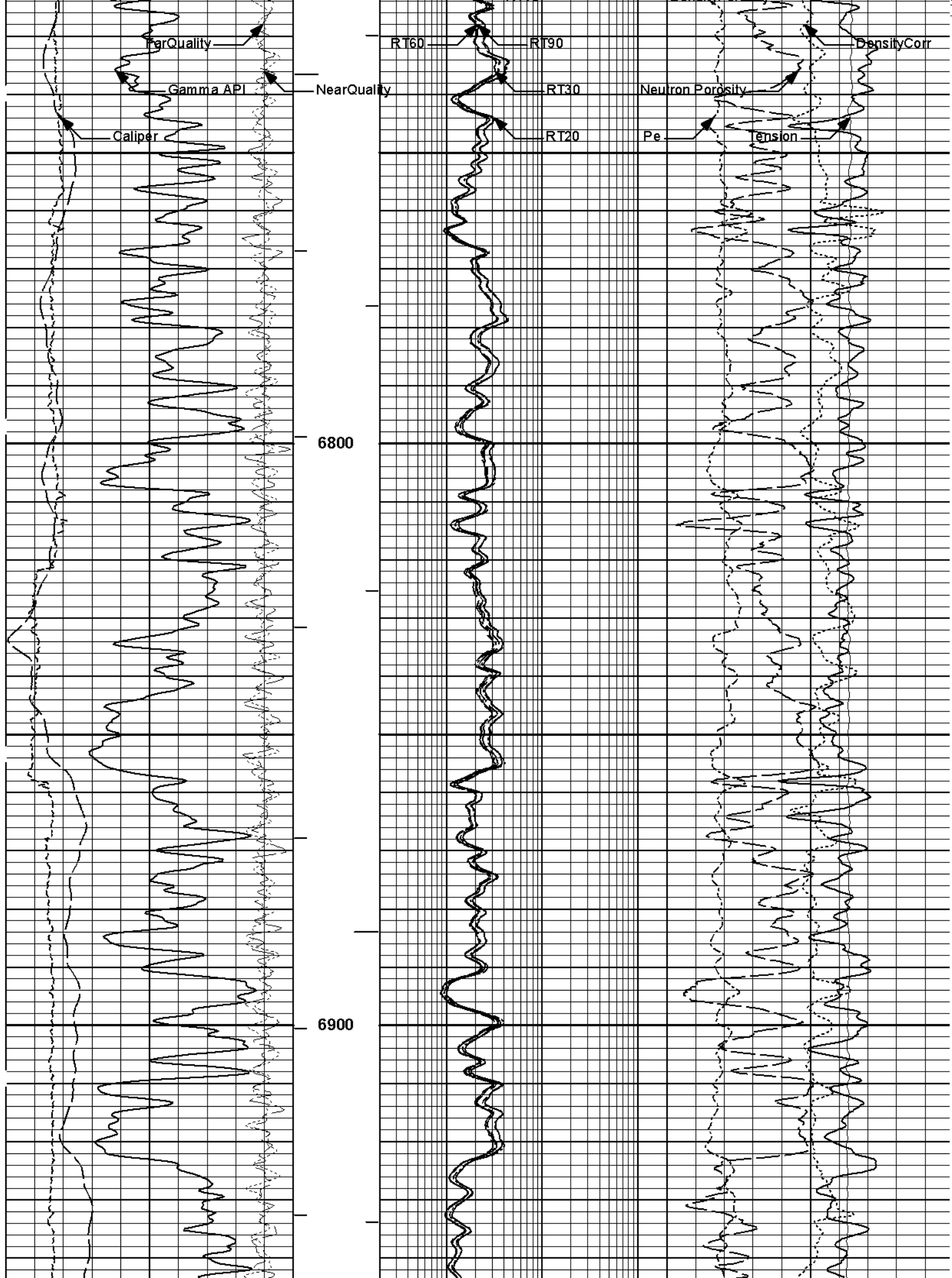
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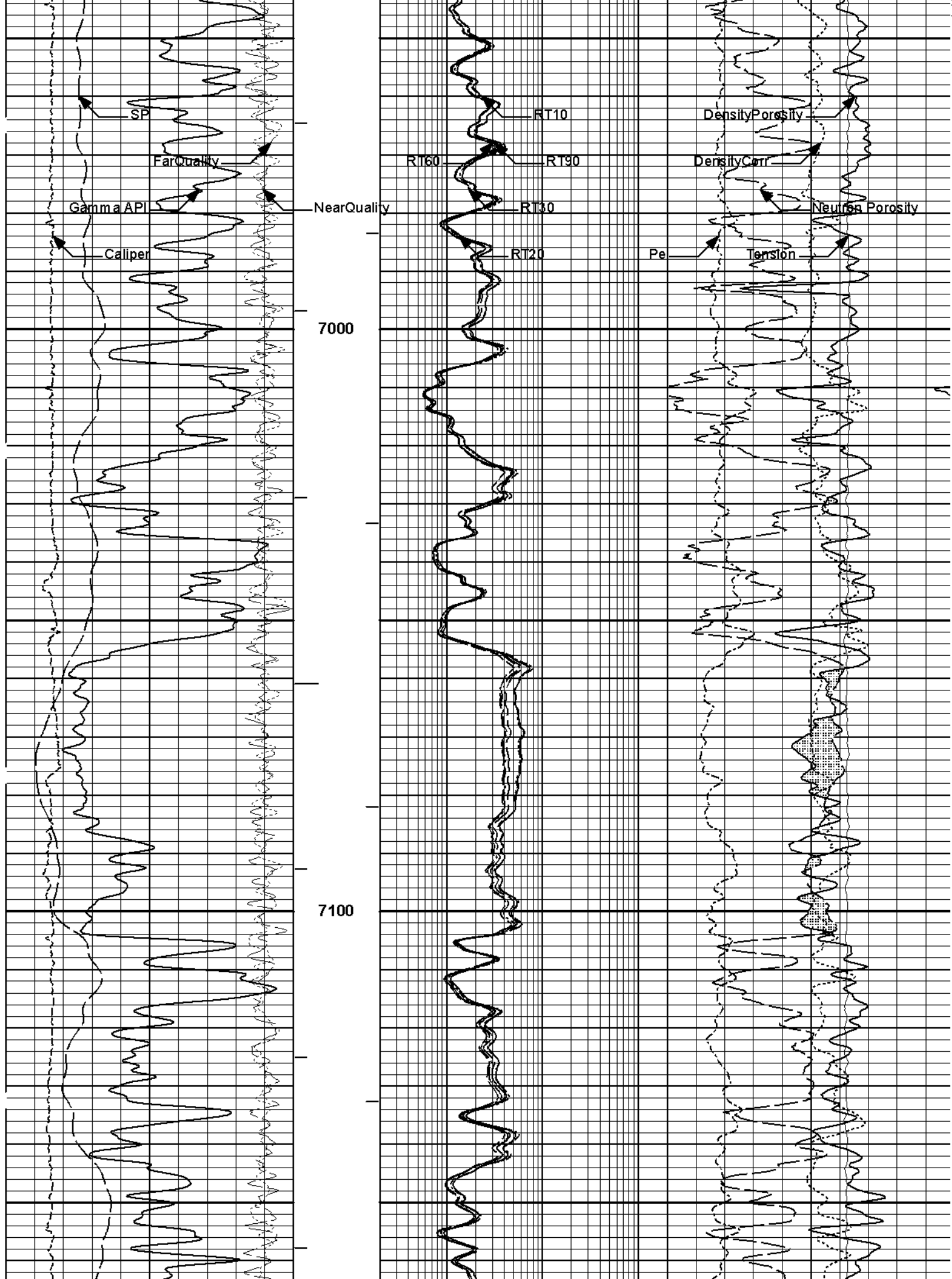
SP

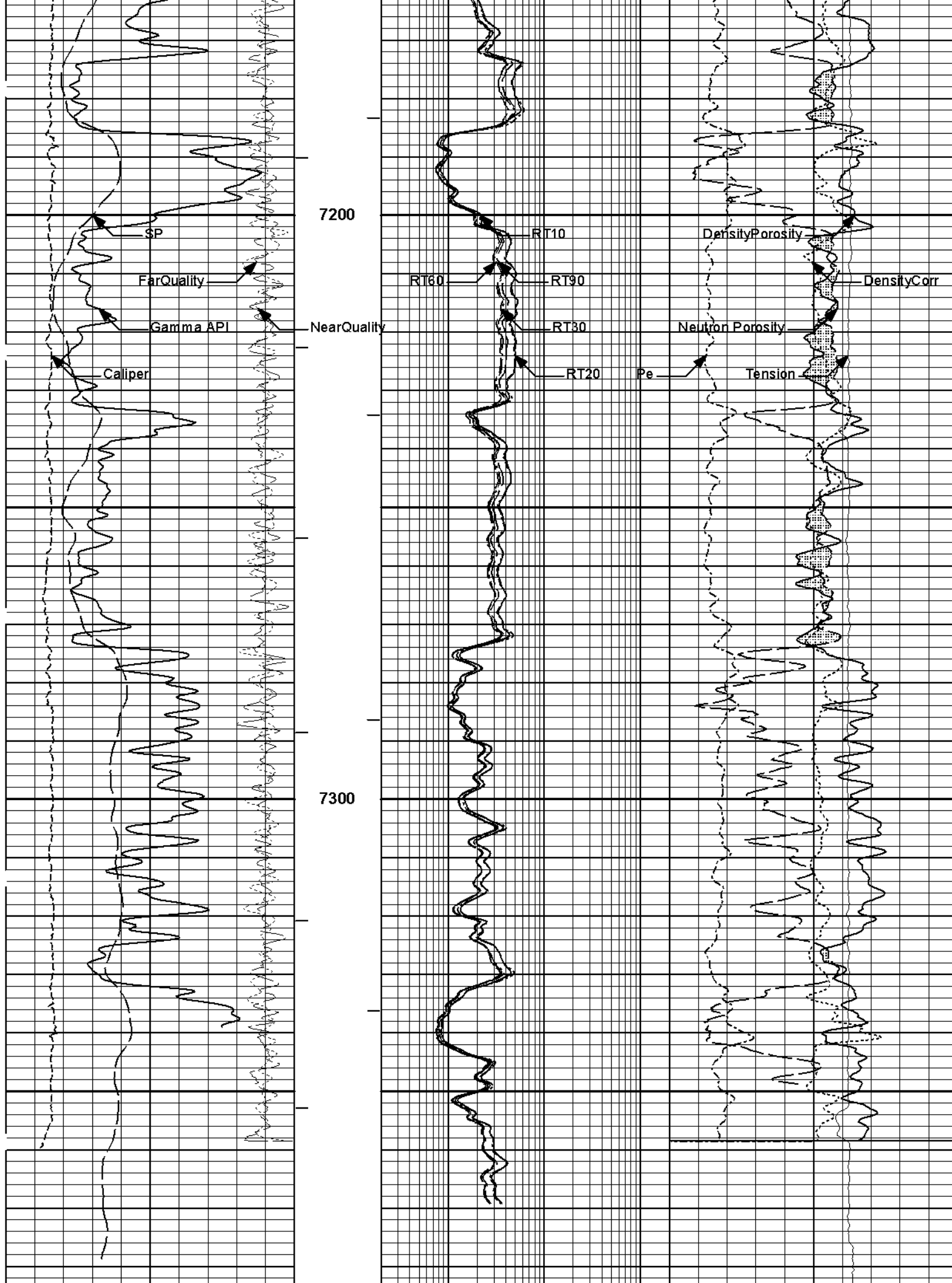
RT10

Density Porosity









9	NearQuality	-1	1 : 240 ft MD	2	RT10	2K	0	Pe	10	
					Ohm-m					
9	FarQuality	-1	AHV ft3	2	RT20	2K	30	DensityPorosity		-10
					Ohm-m			percent		
0	Gamma API	200	BHV ft3	2	RT30	2K	30	Neutron Porosity		-10
	api				Ohm-m			percent		
6	Caliper	16		2	RT60	2K	-0.25	DensityCorr		0.25
	inches				Ohm-m				gram per cc	
	SP			2	RT90	2K	10000	Tension		0
	-]10[+				Ohm-m			pounds		

HALLIBURTON

Plot Time: 19-Aug-08 22:44:45
Plot Range: 1490 ft to 7384 ft
Data: {ActiveWell}\Well Based\MAIN PASS\
Plot File: \\TRIPLE\IQ_COMPOSITE_5IN_RM

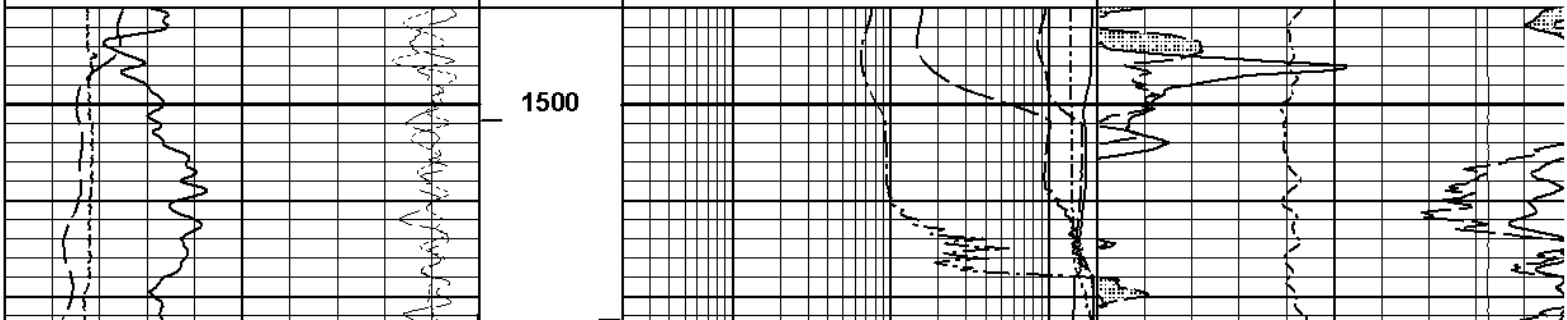
MAIN PASS 5" = 100'

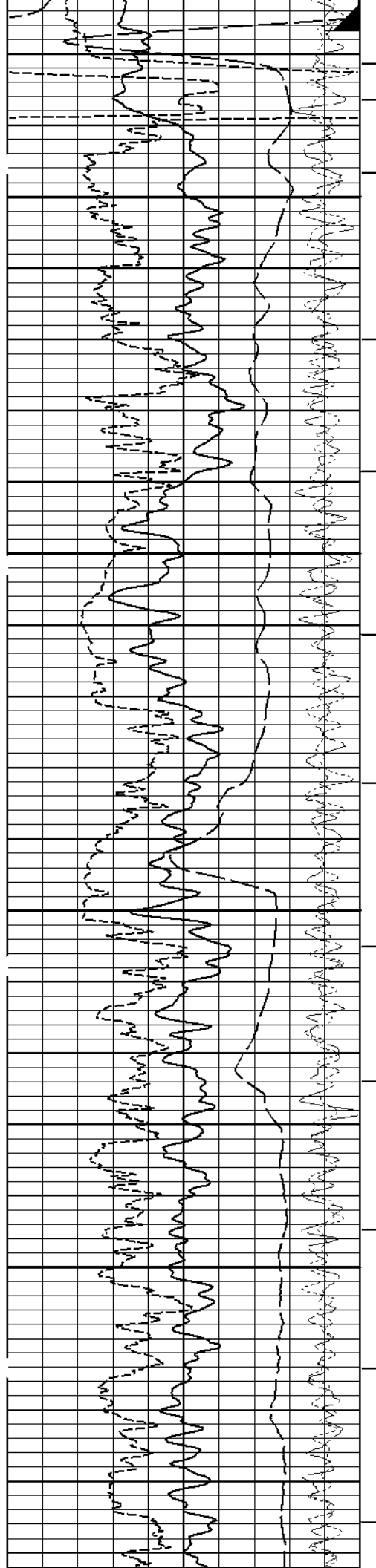
HALLIBURTON

Plot Time: 19-Aug-08 22:44:46
Plot Range: 1490 ft to 1746 ft
Data: {ActiveWell}\Well Based\RPT\
Plot File: \\TRIPLE\IQ_COMP_RPT

REPEAT PASS 5" = 100'

	SP			2	RT90	2K	10000	Tension			0
	-]10[+				Ohm-m			pounds			
6	Caliper	16		2	RT60	2K	-0.25	DensityCorr			0.25
	inches				Ohm-m			gram per cc			
0	Gamma API	200	BHV ft3	2	RT30	2K	30	Neutron Porosity			-10
	api				Ohm-m			percent			
9	FarQuality	-1	AHV ft3	2	RT20	2K	30	DensityPorosity			-10
					Ohm-m			percent			
9	NearQuality	-1	1 : 240 ft MD	2	RT10	2K	0	Pe	10		
					Ohm-m						

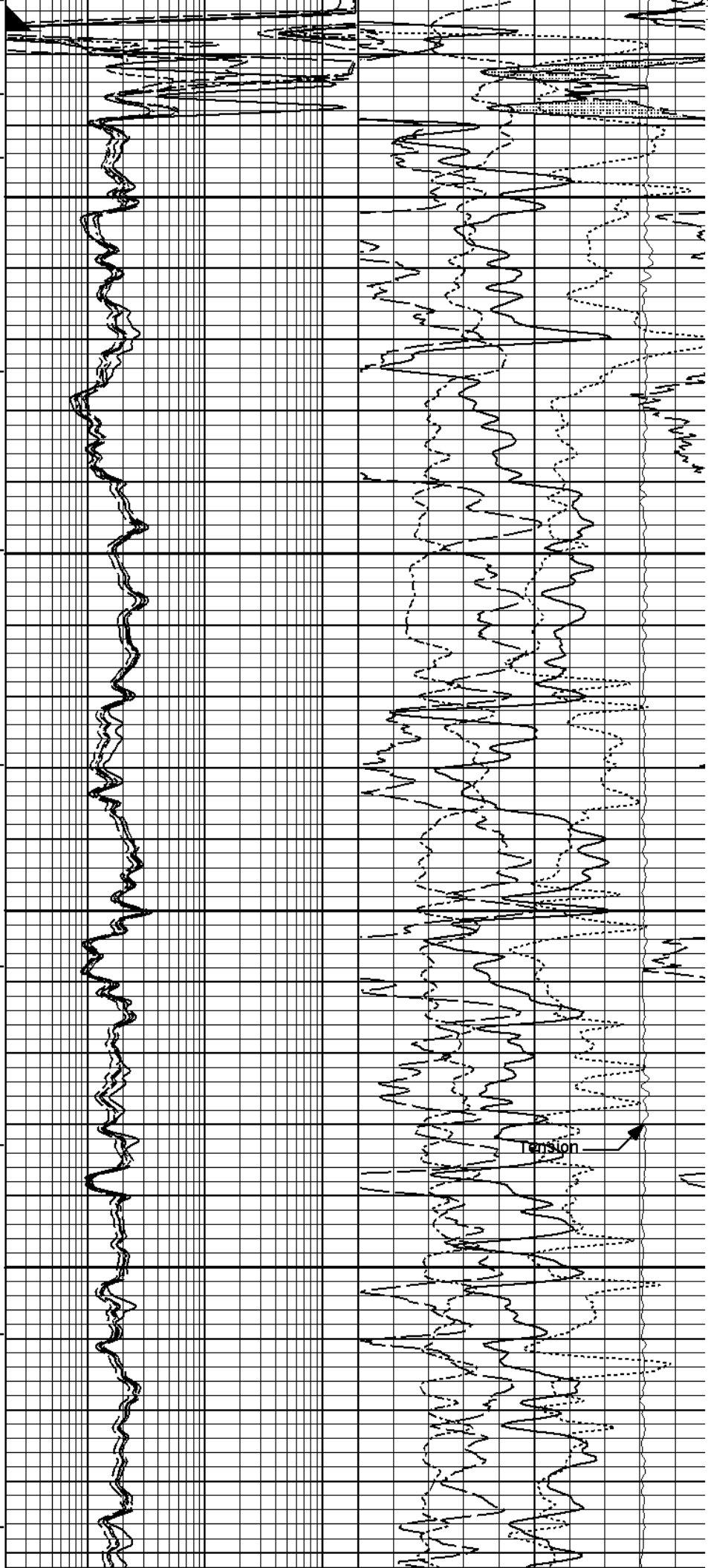




CSG

1600

1700



9	NearQuality	-1	1 : 240 ft MD	2	RT10	2K	0	Pe	10	
					Ohm-m					
9	FarQuality	-1	AHV ft3	2	RT20	2K	30	DensityPorosity		-10
					Ohm-m			percent		
0	Gamma API	200	BHV ft3	2	RT30	2K	30	Neutron Porosity		-10
	api				Ohm-m			percent		
6	Caliper	16		2	RT60	2K	-0.25	DensityCorr		0.25
	inches				Ohm-m			gram per cc		
	SP			2	RT90	2K	10000	Tension		0
	-J10[+				Ohm-m			pounds		

HALLIBURTON

Plot Time: 19-Aug-08 22:44:47
Plot Range: 1490 ft to 1746 ft
Data: {ActiveWell}\Well Based\RP1
Plot File: \\TRIPLE\IQ_COMP_RPT

REPEAT PASS 5" = 100'

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name: GTET - 11005602

Reference Calibration Date: 24-Jul-08 15:04:22

Engineer: J. GILBERT

Calibration Date: 24-Jul-08 15:19:23

Software Version: WL INSITE R2.2 (Build 2)

Calibration Version: 1

Calibrator Source S/N: MP051807-04

Calibrator API Reference: 239.00 api

Measurement	Measured	Calibrated	Units
Background	75493.4	53.9	api
Background + Calibrator	410030.7	292.9	api
Calibrator	-75200.5	239.0	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name: GTET - 11005602

Reference Calibration Date: 24-Jul-08 15:19:23

Engineer: C. GULLETT

Calibration Date: 19-Aug-08 12:56:12

Software Version: WL INSITE R2.2 (Build 2)

Calibration Version: 1

Calibrator Source S/N: MP051807-04

Calibrator API Reference: 239.00 api

Field Verification	Shop	Field	Units
Background	53.9	73.8	api
Background + Calibrator	292.9	310.7	api
Calibrator	239.0	236.9	api

Shop	Field	Difference	Tolerance
239.0	236.9	2.1	+/- 9.00

NATURAL GAMMA RAY TOOL POST CALIBRATION**Tool Name: GTET - 11005602****Reference Calibration Date: 19-Aug-08 12:56:12****Engineer: L. SMITH****Calibration Date: 19-Aug-08 21:38:36****Software Version: WL INSITE R2.2 (Build 2)****Calibration Version: 1**

Calibrator Source S/N: MP051807-04

Calibrator API Reference:239.00 api

Post Verification		Field	Post	Units
Background		73.8	44.5	api
Background + Calibrator		310.7	281.8	api
Calibrator		236.9	237.3	api
Shop	Field	Post	Difference	Tolerance
239.0	236.9	237.3	-0.4	+/- 9.00

ACCELEROMETER SHOP CALIBRATION**Tool Name: GTET - 11005602****Reference Calibration Date: 24-Jul-07 12:48:07****Engineer: Jose Solano****Calibration Date: 24-Jul-07 12:51:53****Software Version: WL INSITE R1.9 (Build 32)****Calibration Version: 1**

Horizontal-1 Telemetry	Horizontal-2 Telemetry	Vertical Telemetry	Units
-139.64	-14.64	-16507.36	cnts
Coefficient	Coefficient Value	Tolerance	
Gain	-0.000061	-0.0010 - 0.0010	
Offset	-0.005	----	
Orientation	Measured	Calibrated	
Horizontal	0.00	-0.00	
Vertical	1.00	1.00	

DUAL SPACED NEUTRON SHOP CALIBRATION**Tool Name: DSNT - 10993888****Reference Calibration Date: 14-Aug-08 14:51:14****Engineer: T.MCKEE****Calibration Date: 14-Aug-08 15:08:13****Software Version: WL INSITE R2.2 (Build 2)****Calibration Version: 1**

Logging Source S/N: DSN_388

Tank Serial Number: GJ_TANK

Reference value assigned to Tank: 52.750

Snow Block S/N: TRUCK_3

Calibration Tank Water Temperature: 77 degF

Min. Tool Housing Outside Diameter: 3.608 in

CALIBRATION CONSTANTS

Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	0.961	0.960	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):	0.2173	0.2169	0.0004	+/- 0.0020
Calibrated Ratio:	9.94	9.93	0.013	+/- 0.050

VERIFIER

Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0738	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 - 10993888	Reference Calibration Date: 14-Aug-08 15:08:13
Engineer: C. GULLETT	Calibration Date: 19-Aug-08 12:41:20
Software Version: WL INSITE R2.2 (Build 2)	Calibration Version: 1

Logging Source S/N: DSN_388

Snow Block S/N: TRUCK_3

NEUTRON FIELD-CHECK SUMMARY

	Shop	Field	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0738	0.0684	-0.0054	+/- 0.0150

PASS/FAIL SUMMARY

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

DUAL SPACED NEUTRON POST CALIBRATION

Tool Name: DSNT - 10993888	Reference Calibration Date: 19-Aug-08 12:41:20
Engineer: L. SMITH	Calibration Date: 19-Aug-08 21:50:47
Software Version: WL INSITE R2.2 (Build 2)	Calibration Version: 1

Logging Source S/N: DSN_388

Snow Block S/N: TRUCK_3

NEUTRON POST-CHECK SUMMARY

	Field Value	Post Value	Difference	Control Limit On Change
Snow-Block Porosity (decp):	0.0684	0.0717	0.0033	+/- 0.0150

PASS/FAIL SUMMARY

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

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name: SDLT - 10951314	Reference Calibration Date: 23-Jun-08 10:00:34
Engineer: T.MCKEE	Calibration Date: 06-Aug-08 20:01:20
Software Version: WL INSITE R2.2 (Build 2)	Calibration Version: 1

Logging Source S/N: 5123 GW

Aluminum Block S/N: FARMINGTON

Density: 2.588g/cc

Magnesium Block S/N: FARMINGTON

Density: 1.687g/cc

DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
Near Box Gain	0.0710	0.0006	0.00 - 1.10

Near Bar Gain	0.9719	0.9996	0.90 - 1.10
Near Dens Gain	0.9786	0.9909	0.90 - 1.10
Near Peak Gain	0.9369	0.9826	0.90 - 1.10
Near Lith Gain	0.9192	0.9519	0.90 - 1.10
Far Bar Gain	1.0032	1.0076	0.90 - 1.10
Far Dens Gain	0.9929	0.9960	0.90 - 1.10
Far Peak Gain	0.9805	0.9895	0.90 - 1.10
Far Lith Gain	0.9536	0.9606	0.90 - 1.10
Near Bar Offset	0.4438	0.2030	NONE
Near Dens Offset	0.3668	0.2664	NONE
Near Peak Offset	0.7185	0.3441	NONE
Near Lith Offset	0.8365	0.5719	NONE
Far Bar Offset	0.0828	0.0596	NONE
Far Dens Offset	0.1582	0.1411	NONE
Far Peak Offset	0.2324	0.1634	NONE
Far Lith Offset	0.3994	0.3394	NONE
Near Bar Background	1005.67	1005.47	700 - 1450
Near Dens Background	329.78	328.92	230 - 480
Near Peak Background	141.51	142.32	100 - 210
Near Lith Background	175.47	175.41	125 - 260
Far Bar Background	612.55	613.51	450 - 900
Far Dens Background	236.84	237.35	175 - 345
Far Peak Background	94.02	93.69	70 - 140
Far Lith Background	98.21	98.68	75 - 145

CALIBRATION BLOCK SUMMARY

Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.684	1.687	0.003	+/- 0.015
Pe	2.593	2.594	0.001	+/- 0.150
ALUMINUM				
Density (g/cc)	2.583	2.588	0.005	+/- 0.01500
Pe	3.132	3.160	0.028	+/- 0.150

TOOL SUMMARY

Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0000	+/- 0.0110	-0.0015	+/- 0.0140
Magnesium Block	0.0005	+/- 0.0110	-0.0000	+/- 0.0140
Aluminum Block	0.0005	+/- 0.0110	0.0020	+/- 0.0140
Resolution	9.58	6.00 - 11.50	9.44	6.00 - 11.50
Internal Verifier(B+D+P+L)	1652	1200 - 2700	1043	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:
Changes in Calibration Blocks:

Passed
Passed

SPECTRAL DENSITY FIELD CHECK

Tool Name: SDLT - 10951314

Reference Calibration Date: 06-Aug-08 20:01:20

Engineer: C. GULLETT

Calibration Date: 19-Aug-08 12:34:46

Software Version: WL INSITE R2.2 (Build 2)

Calibration Version: 1

Aluminum Block S/N: FARMINGTON

Density: 2.588g/cc

Magnesium Block S/N: FARMINGTON

Density: 1.687g/cc

Pad Temperature: 75.2 degF

DENSITY FIELD CALIBRATION SUMMARY

Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1652.119	1649.478	-2.641	16.329
Far (B+D+P+L) cps	1043.229	1041.462	-1.767	17.181
Near Resolution	9.58	9.81	0.230	0.50
Far Resolution	9.54	9.44	0.100	1.00

PASS/FAIL SUMMARY

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

SPECTRAL DENSITY POST CHECK

Tool Name: SDLT - 10951314

Reference Calibration Date: 19-Aug-08 12:34:46

Engineer: L. SMITH

Calibration Date: 19-Aug-08 21:30:21

Software Version: WL INSITE R2.2 (Build 2)

Calibration Version: 1

Aluminum Block S/N: FARMINGTON

Density: 2.588g/cc

Magnesium Block S/N: FARMINGTON

Density: 1.687g/cc

Pad Temperature: 78.8 degF

DENSITY POST CALIBRATION SUMMARY

Measurement	Field	Post	Change	Control Limit +/-
Near (B+D+P+L) cps	1649.478	1648.890	-0.588	16.329
Far (B+D+P+L) cps	1041.462	1042.508	1.046	17.181
Near Resolution	9.81	9.73	-0.080	0.50
Far Resolution	9.64	9.54	0.100	1.00

PASS/FAIL SUMMARY

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

DENSITY CALIPER SHOP CALIBRATION

Tool Name: SDLT - 10951314

Reference Calibration Date: 11-Jun-08 14:44:22

Engineer: T.MCKEE

Calibration Date: 06-Aug-08 20:53:47

Software Version: WL INSITE R2.2 (Build 2)

Calibration Version: 1

CALIBRATION COEFFICIENTS

Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-1302.92	-1476.12	-7000.00 - -1000.00
Pad Gain	0.0003589	0.0003714	0.000200 - 0.000600
Arm Offset	-2311.63	-2662.62	-5000.00 - -3000.00

Arm Offset	-2.011.00	-2.002.02	-3.000.00 - 3.000.00
Arm Gain	0.0005031	0.0005337	0.000300 - 0.000700
Arm Power	-0.000001596	-0.000003843	-0.000010 - 0.000010

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)	1.99	2.00	0.0100	+/- 0.200
Medium Ring (in)	3.69	3.75	0.0600	+/- 0.200
RING DIAMETER:				
Small Ring (in)	6.64	6.500	-0.1400	+/- 0.200
Medium Ring (in)	8.33	8.250	-0.0800	+/- 0.200
Large Ring (in)	15.13	15.000	-0.1300	+/- 0.200

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 - 10951314	Reference Calibration Date:	06-Aug-08 20:53:47
Engineer:	C. GULLETT	Calibration Date:	19-Aug-08 12:46:32
Software Version:	WL INSITE R2.2 (Build 2)	Calibration Version:	1

MEASURED CALIPER VALUES

Measurement	Shop	Field	Change	Control Limit On New Value
Pad Extension	3.75	3.79	0.04	+/- 0.10
Ring Diameter	8.250	8.27	0.02	+/- 0.15

PASS/FAIL SUMMARY

Pad Extension Check:	Passed
Diameter Check:	Passed

SDLT CALIPER POST CALIBRATION

Tool Name:	SDLT - 10951314	Reference Calibration Date:	19-Aug-08 12:46:32
Engineer:	L. SMITH	Calibration Date:	19-Aug-08 22:08:28
Software Version:	WL INSITE R2.2 (Build 2)	Calibration Version:	1

MEASURED CALIPER VALUES

Measurement	Field	Post	Change	Control Limit On New Value
Pad Extension	3.79	3.84	0.04	+/- 0.10
Ring Diameter	8.269	8.22	-0.05	+/- 0.15

PASS/FAIL SUMMARY

Pad Extension Check:	Passed
Diameter Check:	Passed

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name:	ACRt - 90144320-E988-S6986	Reference Calibration Date:	12-Mar-08 12:32:36
Engineer:		Calibration Date:	12-Mar-08 12:40:24

TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	0.9499	1.05	0.95	0.9466	1.05	0.95	0.9440	1.05
A2 (50")	0.95	0.9330	1.05	0.95	0.9312	1.05	0.95	0.9325	1.05
A3 (29")	0.95	0.9272	1.05	0.95	0.9264	1.05	0.95	0.9281	1.05
A4 (17")	0.95	0.9963	1.05	0.95	0.9951	1.05	0.95	0.9967	1.05
A5 (10")	N/A	N/A	N/A	0.95	0.9838	1.05	0.95	0.9843	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9723	1.05	0.95	0.9732	1.05

TYPICAL SONDE OFFSET RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	-3	-2.091	-1	-6	-4.459	-2	-6	-5.319	-2
A2 (50")	-6	-5.043	-2	-6	-4.437	-2	-6	-4.970	-2
A3 (29")	-27	-20.420	-9	-9	-5.595	-3	-9	-3.811	-3
A4 (17")	-180	-109.852	-60	-45	-33.191	-15	-39	-25.527	-13
A5 (10")	N/A	N/A	N/A	-150	-93.885	-50	-90	-45.897	-30
A6 (6")	N/A	N/A	N/A	175	279.399	525	90	146.470	270

TRANSMITTER CURRENT GAIN

R-MUD VERIFICATION

Signal	Lower	R	Upper	Signal	Lower (ohm-m)	Measured (ohmm)	Upper (ohm-m)
12K	0.75	0.8677	1.4	Mud Cell	0.95	1.003	1.05
36K	1.0	1.2778	2.4				
72K	1.25	1.4969	2.5				

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11005602						
Gamma Ray Calibrator	239.0	236.9	237.3	-0.4	+/- 9.00	api
AccZ Horizontal	-0.00	-----	-----	0.00	-----	g
AccZ Vertical	1.00	-----	-----	0	-----	g
DSNT-10993888						
Snow-Block Porosity	0.0738	0.0684	0.0717	-0.0033	+/- +/-0.0150	decP
SDLT-10951314						
Near(B+D+P+L)	1652.119	1649.478	1648.890	0.588	+/-16.329	cps
Far(B+D+P+L)	1043.229	1041.462	1042.508	-1.046	+/-17.181	cps
CALIPER RING 1	8.250	8.27	8.22	0.050	+/-0.15	in
ACRt-90144320-E988-S6986						
Mud Cell	1.003	-----	-----	0.000	-----	ohmm

Data: LAR_LEVER3113B0001 TRIPLE COMBO 1VDLE

Date: 19-Aug-08 22:09:33

HALLIBURTON

CUSTOMER EVENT LOG

Event Type	Time & Date	Depth (ft)	Event Description
	19-Aug-08 17:38:26	1823.50	Logging 001 19-Aug-08 17:38 Up @1823.5f
	19-Aug-08 17:48:14	1451.20	Halting 001 19-Aug-08 17:38 Up @1823.5f

19-Aug-08 17:49:14	1405.50	Logging 002	19-Aug-08 17:49 Dn @1409.0f
19-Aug-08 18:06:23	3938.02	Halting 002	19-Aug-08 17:49 Dn @1409.0f
19-Aug-08 18:06:46	3936.25	Logging 003	19-Aug-08 18:06 Dn @3938.8f
19-Aug-08 18:08:38	4281.28	Halting 003	19-Aug-08 18:06 Dn @3938.8f
19-Aug-08 18:09:07	4297.00	Logging 004	19-Aug-08 18:09 Dn @4301.0f
19-Aug-08 18:58:10	7391.15	Halting 004	19-Aug-08 18:09 Dn @4301.0f
19-Aug-08 18:58:28	7384.75	Logging 005	19-Aug-08 18:58 Up @7384.0f
19-Aug-08 20:46:01	1276.16	Halting 005	19-Aug-08 18:58 Up @7384.0f
19-Aug-08 20:47:21	1200.00	Logging 006	19-Aug-08 20:47 Up @1199.0f
19-Aug-08 20:57:42	23.10	Halting 006	19-Aug-08 20:47 Up @1199.0f

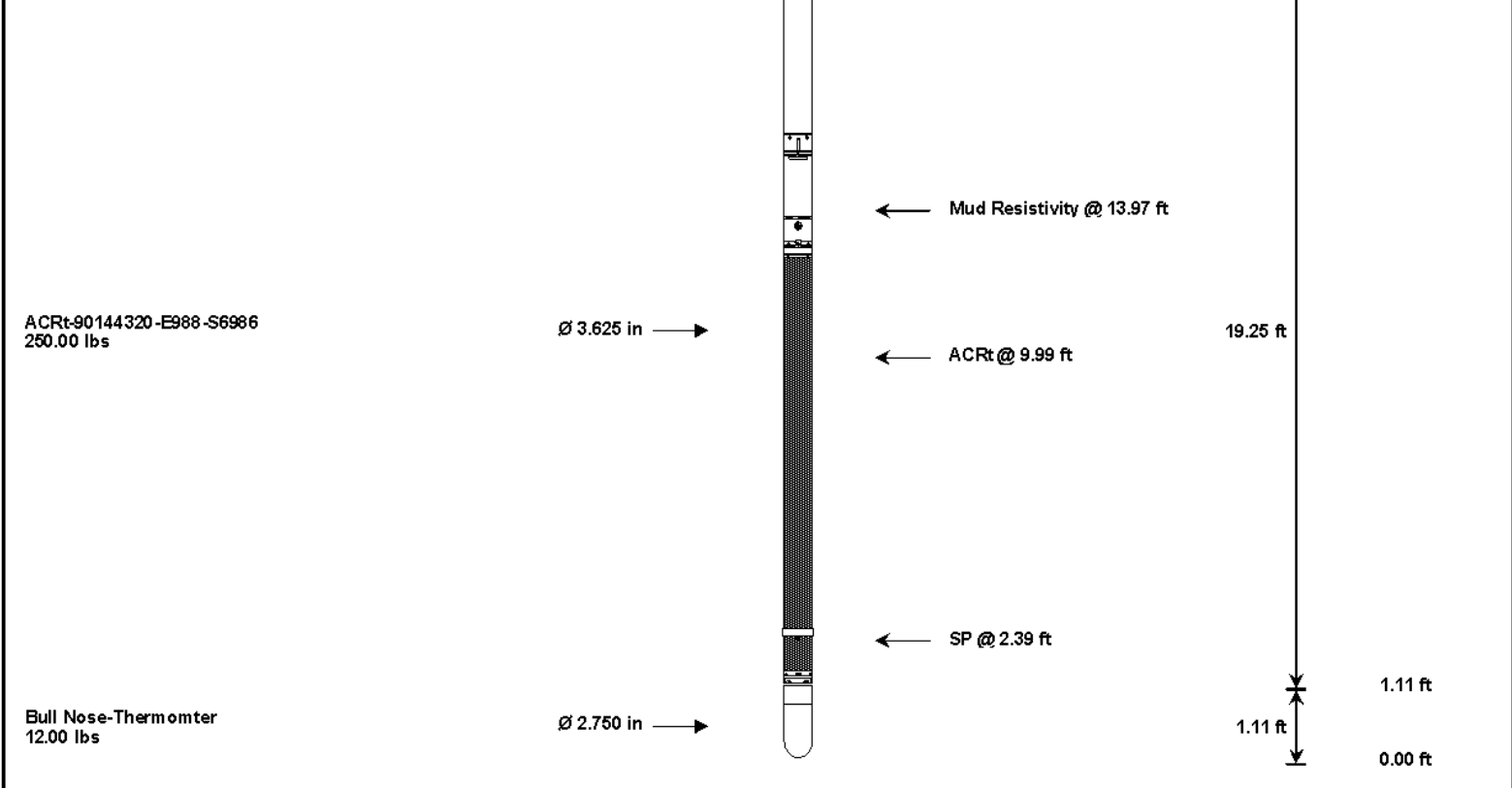
Data: LAR_LEVER3113B10001 TRIPLE COMBO 11HWI0788

Date: 19-Aug-08 21:00:48

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
RWCH-C11013846 135.00 lbs	Ø 3.625 in →		← Load Cell @ 51.95 ft ← BH Temperature @ 51.38 ft	6.25 ft	55.63 ft
GTET-11005602 165.00 lbs	Ø 3.625 in →		← GammaRay @ 43.32 ft	8.52 ft	49.38 ft
DSNT-10993888 174.00 lbs	Ø 3.625 in →		← DSN Far @ 33.92 ft ← DSN Near @ 33.17 ft	9.69 ft	40.86 ft
SDLT-10951314 360.00 lbs	Ø 4.500 in → Ø 4.750 in →		← SDL Microlog @ 23.36 ft ← SDL Caliper @ 23.18 ft ← SDL @ 23.17 ft	10.81 ft	31.17 ft
					20.36 ft



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max. Log. Speed (fpm)
RWCH	Releasable Wireline Cable Head	C11013846	135.00	6.25	49.38	300.00
GTET	Natural Gamma Ray Tool	11005602	165.00	8.52	40.86	60.00
DSNT	Dual Spaced Neutron	10993888	174.00	9.69	31.17	60.00
SDLT	Spectral Density Tool	10951314	360.00	10.81	20.36	60.00
ACRt	Array Compensated True Resistivity	90144320-E988-S6986	250.00	19.25	1.11	300.00
SP	SP Ring	SP	5.00	0.25	*	300.00
BLNS	Bull Nose	Thermomter	12.00	1.11	0.00	300.00
Total			1,101.00	55.63		
* Not included in Total Length and Length Accumulation.						
Data: LAR_LEVER3113B\0001 TRIPLE COMBO 1\VDLE					Date: 19-Aug-08 17:15:06	

COMPANY	LARAMIE ENERGY II, LLC		
WELL	LEVERICH 31-13B		
FIELD	RULISON		
COUNTY	GARFIELD	STATE	CO
HALLIBURTON		ARRAY COMP. RESISTIVITY DUAL SPACED NEUTRON SPECTRAL DENSITY	