

HALLIBURTON

HIGH RES. INDUCTION
SPECTRAL DENSITY
DUAL SPACED NEUTRON

COMPANY		LARAMIE ENERGY II, LLC EBUSINESS	
WELL		FEDERAL 29-13B	
FIELD		RULISON	
COUNTY		GARFIELD	
STATE		CO	
Permanent Datum Log measured from Drilling measured from		GL KB KB Elev. 6204.0 ft 19.0 ft above perm. Datum D.F. G.L. 6223.0 ft 6222.0 ft 6204.0 ft	
Date		11-Oct-08	
Run No.		ONE	
Depth - Driller		10038.0 ft	
Depth - Logger		10033.0 ft	
Bottom - Logged Interval		10031.0 ft	
Top - Logged Interval		200.0 ft	
Casing - Driller		8.625 in @ 1543.0 ft	
Casing - Logger		1543.0 ft @	
Bit Size		7.875 in @	
Type Fluid in Hole		LSND @	
Density		11.4 ppq 61.00 sg/qt	
PH		9.00 pH 7.0 cp/m	
Source of Sample		MUD TANK	
Rm @ Meas. Temperature		2.02 ohmm @ 70.00 degF @	
Rmf @ Meas. Temperature		1.60 ohmm @ 68.00 degF @	
Rmc @ Meas. Temperature		2.25 ohmm @ 68.00 degF @	
Source Rmf		MEAS MEAS	
Rm @ BHT		0.69 ohmm @ 218.0 degF @	
Time Since Circulation		20.5 hr	
Time on Bottom		11-Oct-08 18:00	
Max. Rec. Temperature		218.0 degF @ 10033.0 ft @	
Equipment Location		10748912 G.J.	
Recorded By		T. MCKEE	
Witnessed By		F. PFANNENSTIEL	

Fold here

Service Ticket No.: 6236453				API Serial No.: 05045157940000				PGM Version: WL INSITE R2.2 (Build 9)											
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		HRID-I91S0285		N/A		1.5" STAND-OFF		N/A					
Rmc @ Meas. Temp.		@		@															
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.		A143		Serial No.				Serial No.		I158M069		Serial No.		108728					
Model No.		NGRT		Model No.				Model No.		SDL-DC		Model No.		DSN-II					
Diameter		3.625"		No. of Cent.				Diameter		4.500"		Diameter		3.625"					
Detector Model No.		102A		Spacing				Log Type		GAMMA-GAMMA		Log Type		THERMAL					
Type		SCINT						Source Type		CS-137		Source Type		Am241Be					
Length		8"		LSA [Y/N]				Serial No.		3026GW		Serial No.		DSN-108					
Distance to Source		N/A		FWDA [Y/N]				Strength		1.5 Ci		Strength		18.5 Ci					
LOGGING DATA																			
GENERAL				GAMMA				ACOUSTIC				DENSITY				NEUTRON			

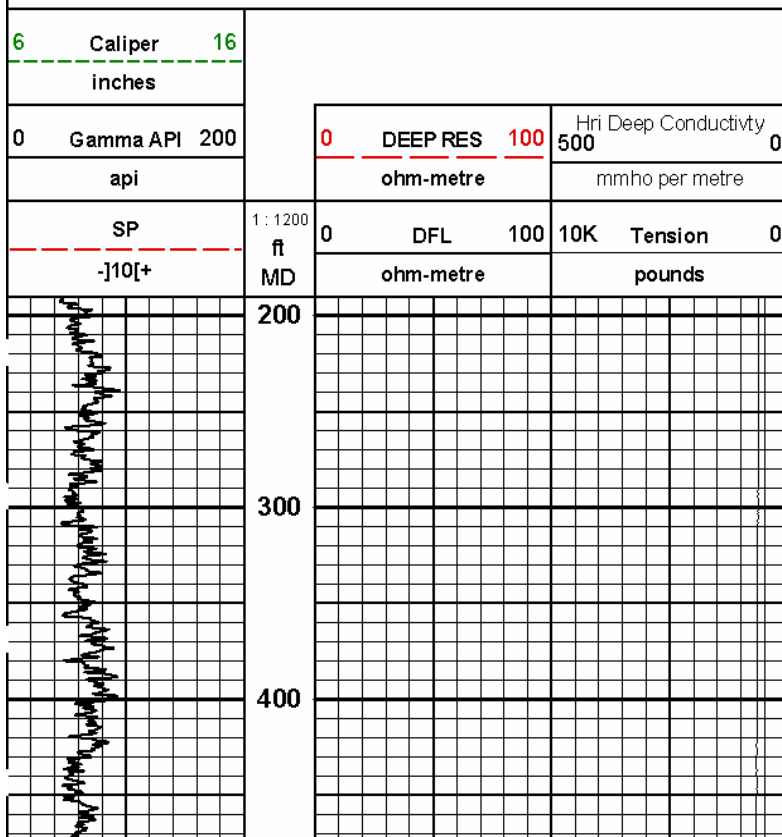
DSN_II	Reaction Kinology	Conduction	
DSN_II	DSNTool Standoff	0.000	in
DSN_II	Temperature Correction Type	None	
DSN_II	DSN Pressure Correction Type	None	
DSN_II	View More Correction Options	No	
DSN_II	Use TVD for Gradient Corrections?	No	
DSN_II	Logging Horizontal Water Tank?	No	
SDL_DC	Process Density?	Yes	
SDL_DC	Process Density EVR?	No	
SDL_DC	Is Hole Air Drilled?	No	
SDL_DC	Use Calibration Blocks?	No	
SDL_DC	SDLT Pad Temperature Valid?	Yes	
SDL_DC	Weighted Mud Correction Type?	Barite	
SDL_DC	Formation Density Matrix	2.680	g/cc
SDL_DC	Formation Density Fluid	1.000	g/cc
SDL_DC	Process Caliper Outputs?	Yes	
HRID	Do HRI Induction Calculation?	Yes	
HRID	Do DFL Calculation?	Yes	
HRID	Pyrite Switch	Off	
HRID	Casing Depth	0.0	ft
HRID	Spike Reduction Filter Type	DELTA	
HRID	Temperature Correction Source	None	
HRID	Hrimap Minimum Resistivity	0.20	
HRID	Hrimap Maximum Resistivity	200.00	

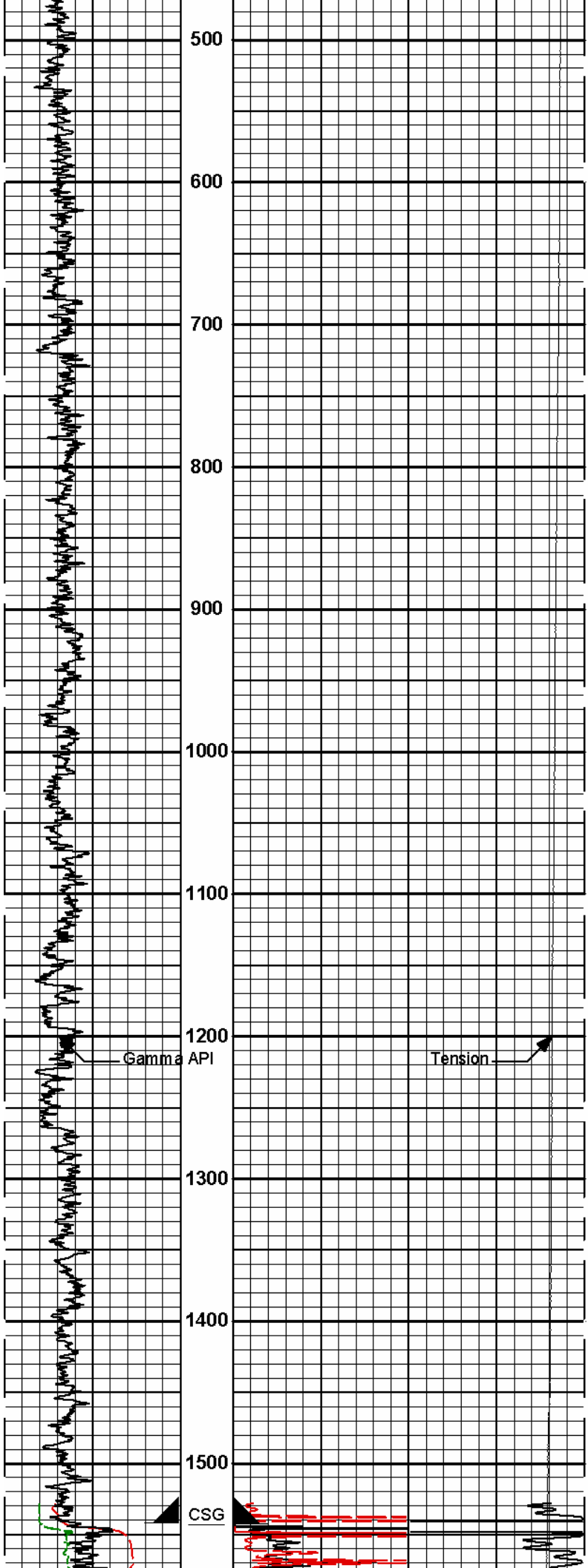
BOTTOM

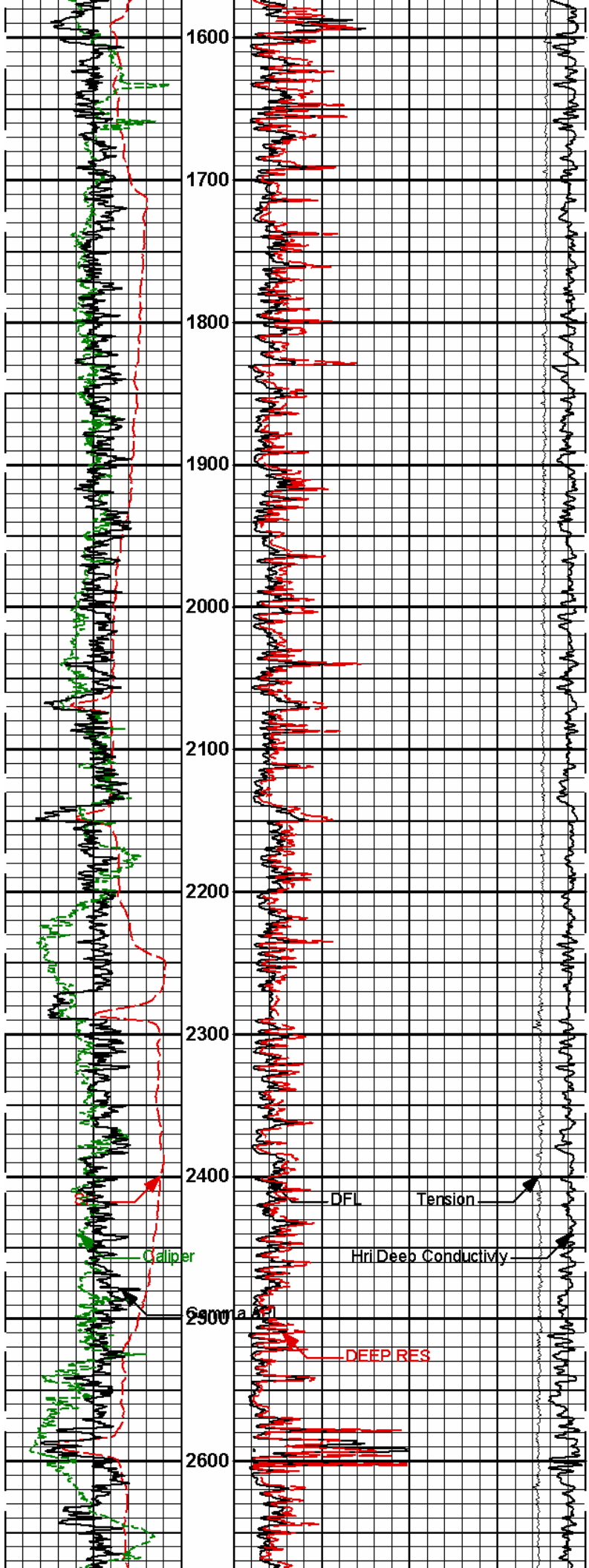
Data: LAR_FED_29_13B10001 TRIPLE_NGRTypeIDLE

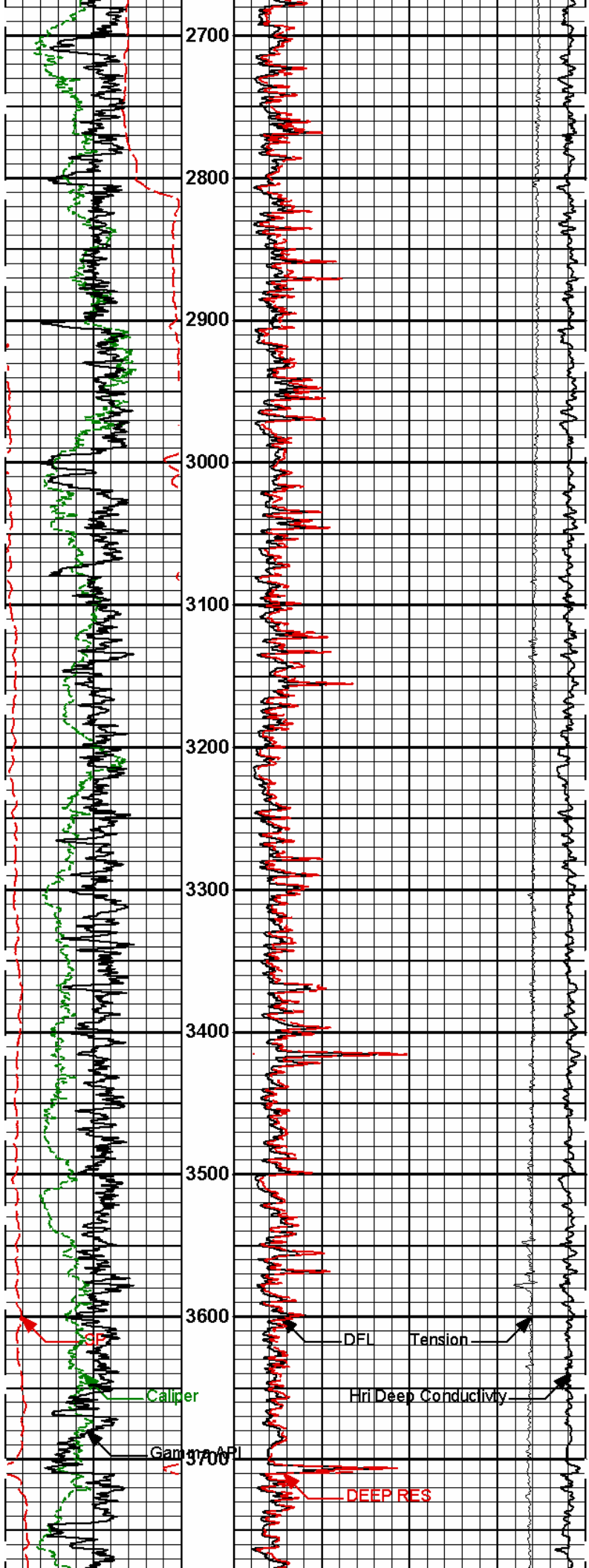
Date: 11-Oct-08 20:08:05

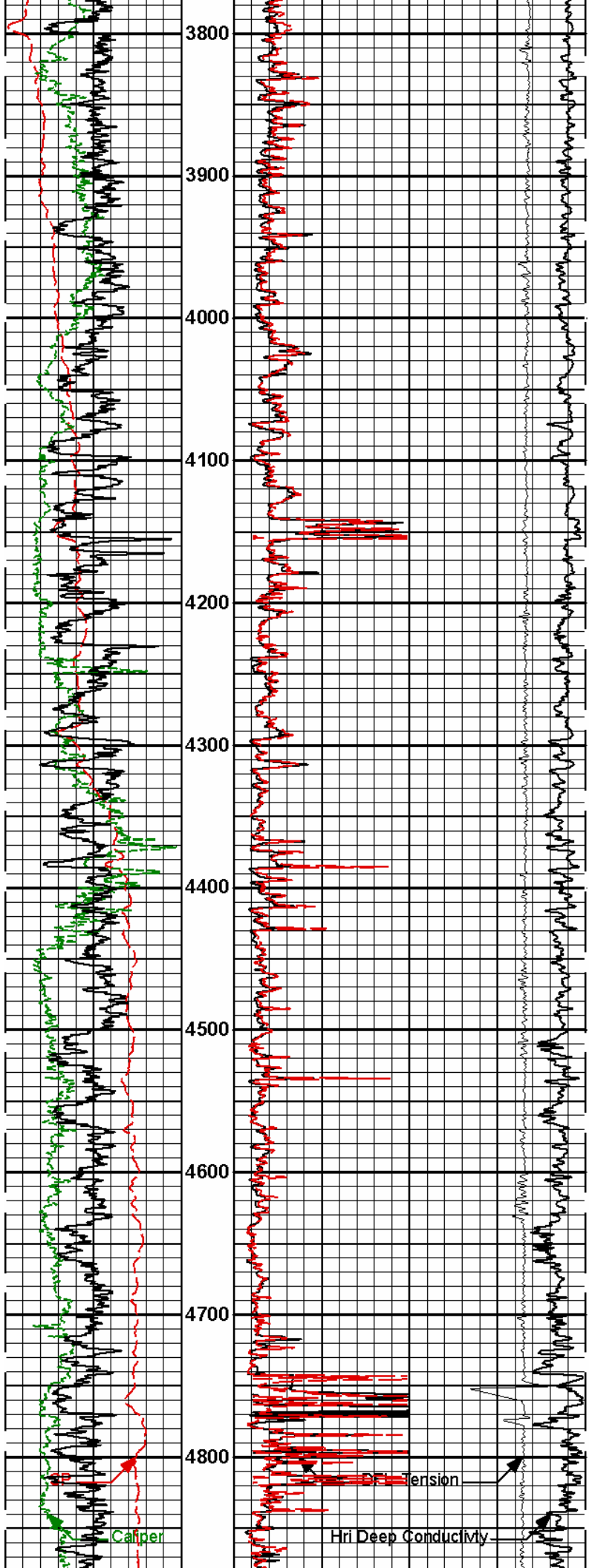
MAIN PASS 1" = 100' (HALF SCALE)











Gamma

DEEP RES

5000

5100

5200

5300

5400

5500

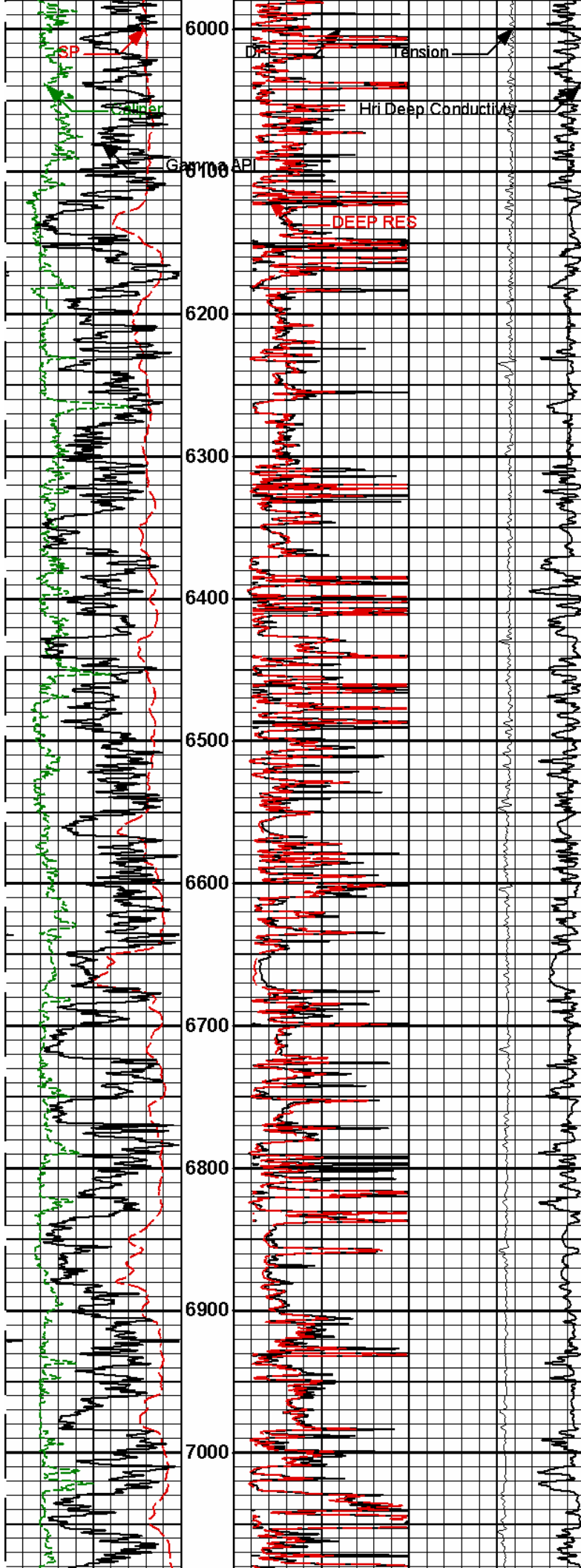
5600

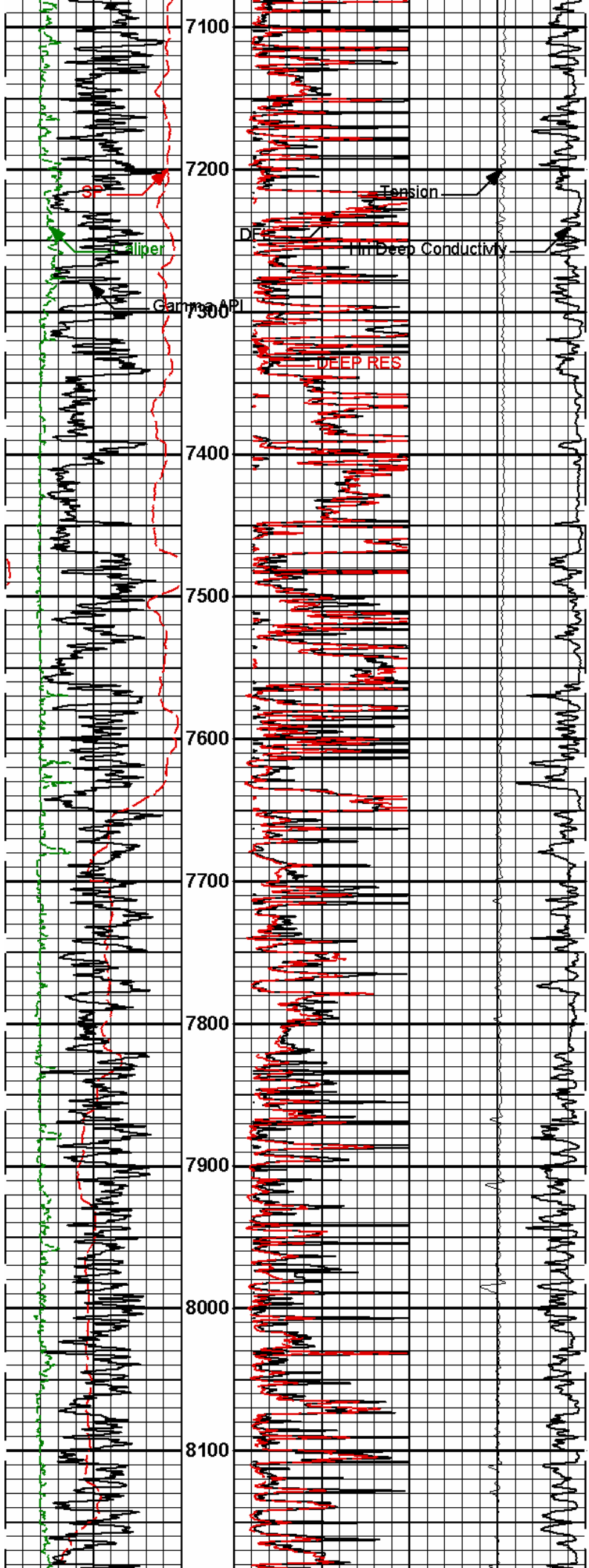
5700

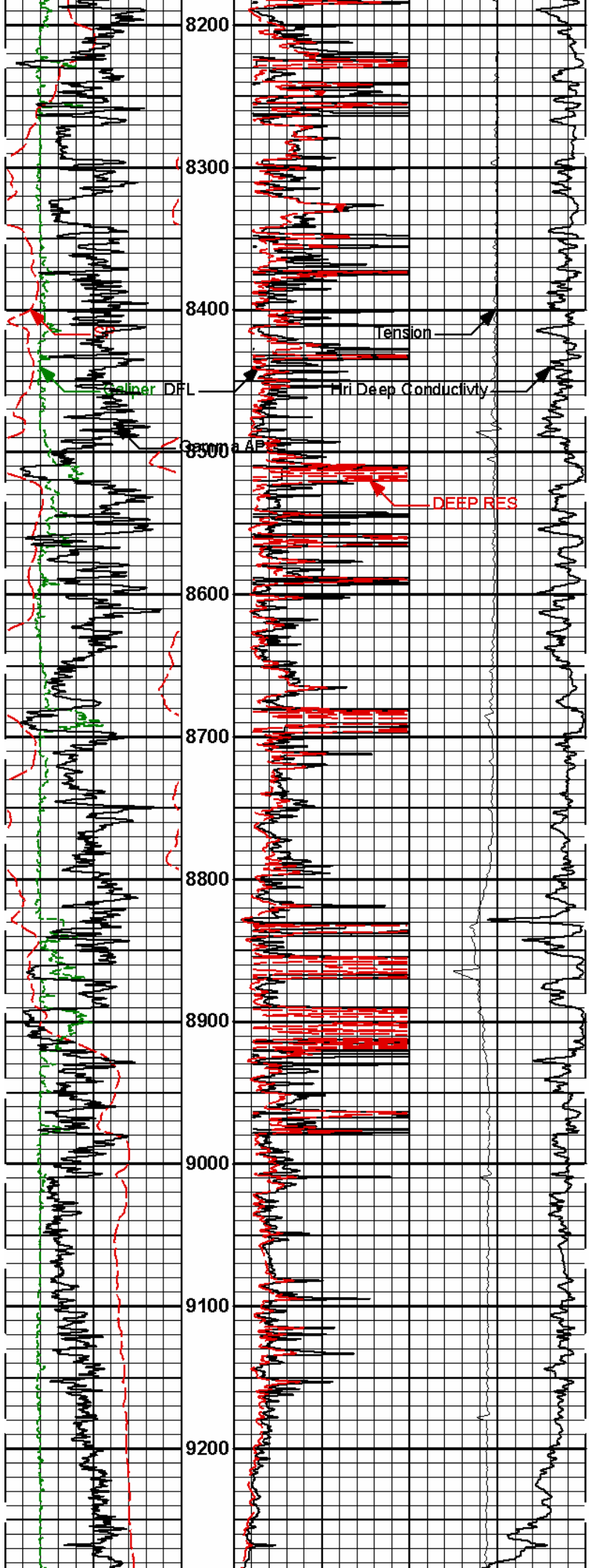
5800

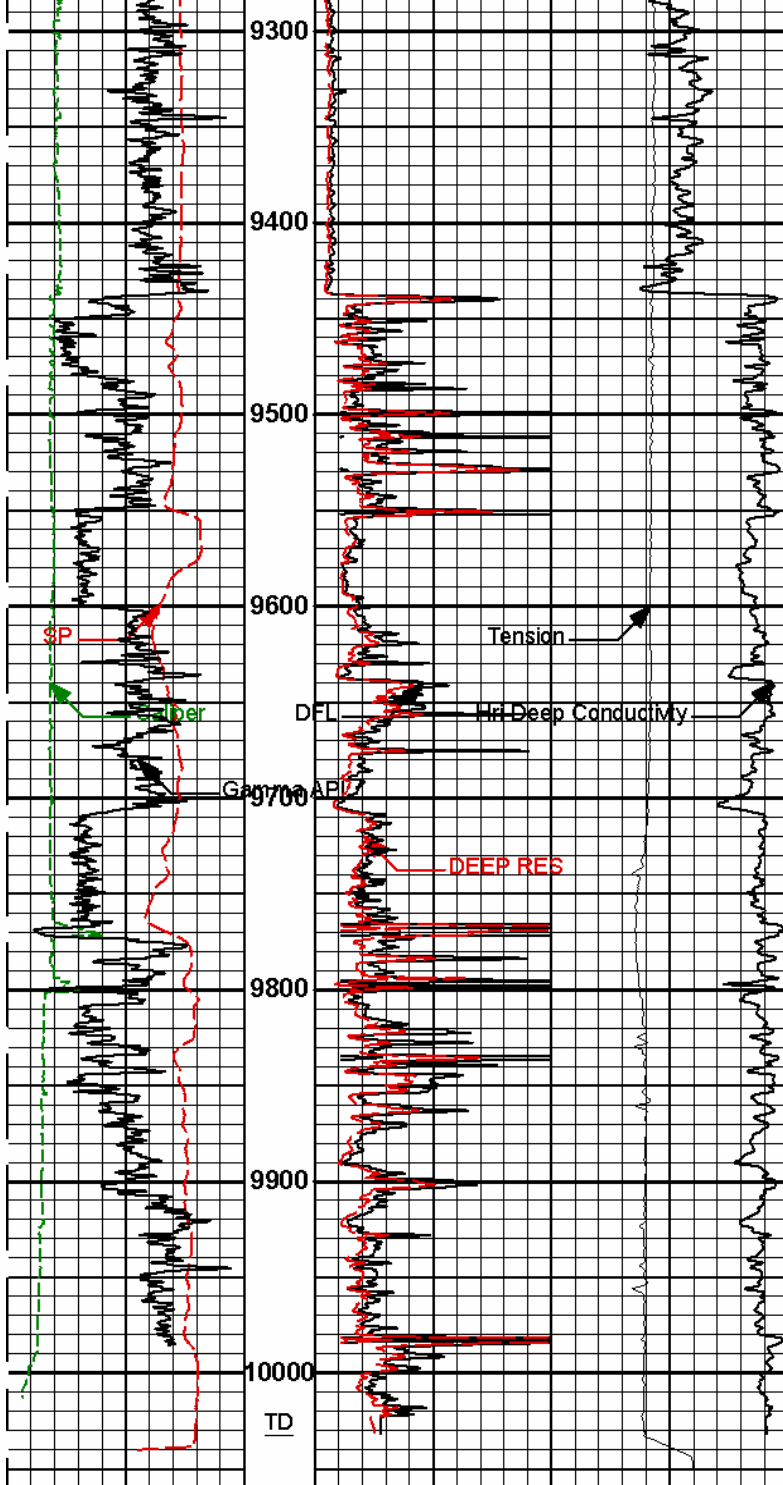
5900

Handwritten notes in the right margin, including "Mudstone" and "Shale" written vertically.







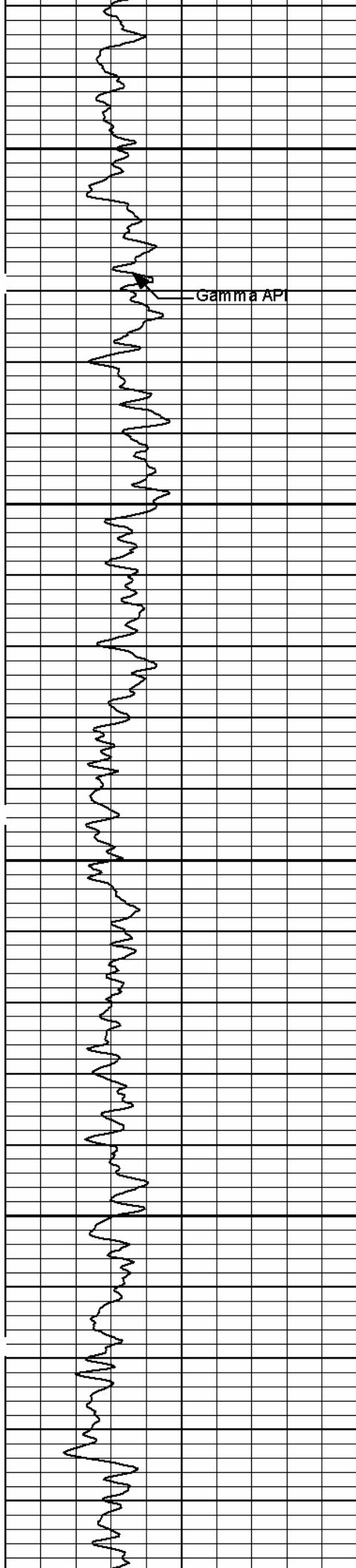


SP	1 : 1200	0	DFL	100	10K	Tension	0
-]10[+	ft		ohm-metre			pounds	
0	Gamma API	200	0	DEEP RES	100	Hri Deep Conductivity	0
	api			ohm-metre		mmho per metre	
6	Caliper	16					
	inches						

MAIN PASS 1" = 100' (HALF SCALE)

MAIN PASS 5" = 100'

					10000	Tension		0																																
					pounds																																			
SP					-0.25	DensityCorr		0.25																																
-]10[+					gram per cc																																			
6	Caliper	16			30	Neutron Porosity		-10																																
inches					percent																																			
0	Gamma API	200	BHV	2	Dig Focused Laterolog	2000	30	DensityPorosity	-10																															
api			fl3	ohm-metre		percent																																		
45	FarQuality	-5	AHV	2	Hri Medium Resistivity	2000	8% POROSITY																																	
			fl3	ohm-metre																																				
-45	NearQuality	5	1 : 240	2	Hri Deep Resistivity	2000	0	Pe	10																															
			ft	ohm-metre																																				
			MD																																					
			200																																					

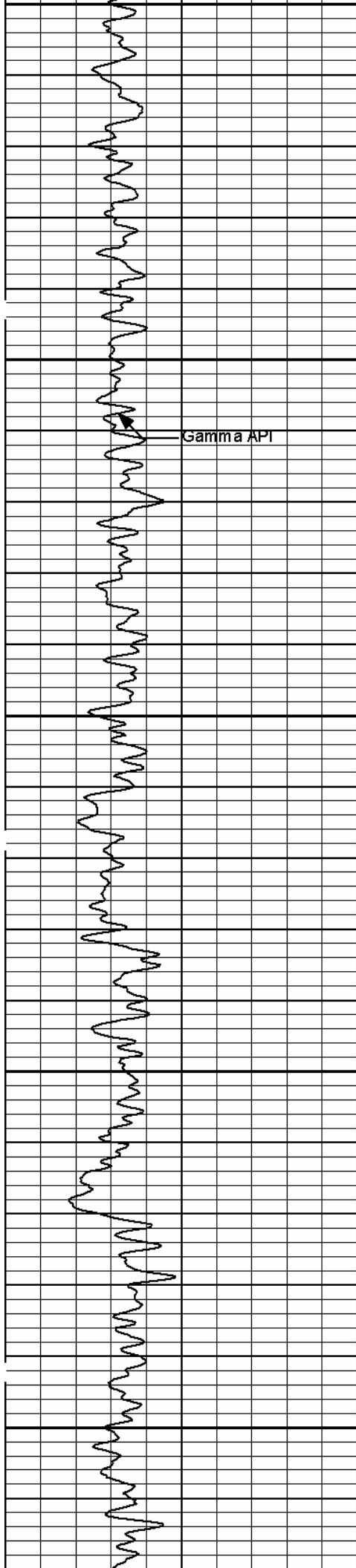


Gamma API

400

500

Tension



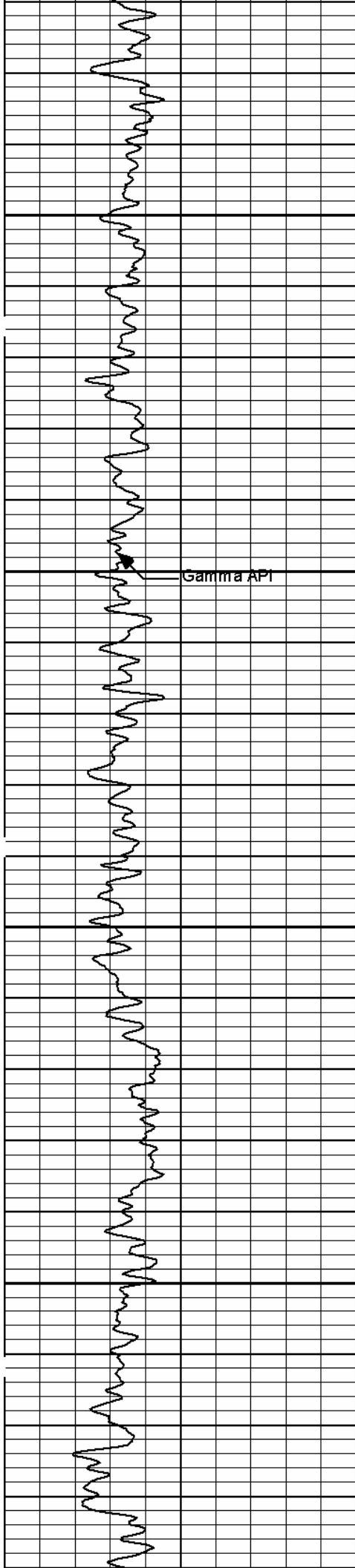
Gamma API

600

700

Tension





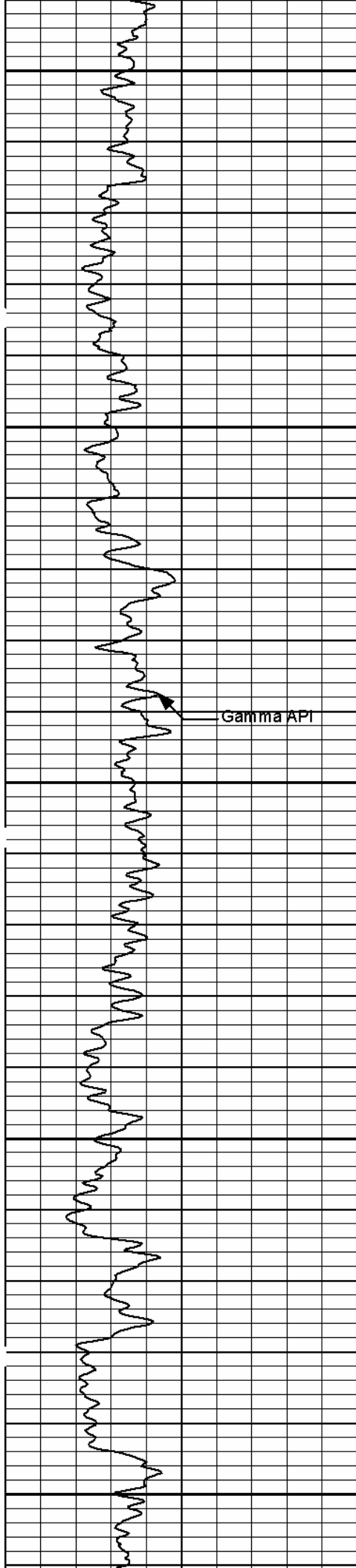
800

900

Gamma API

Tension





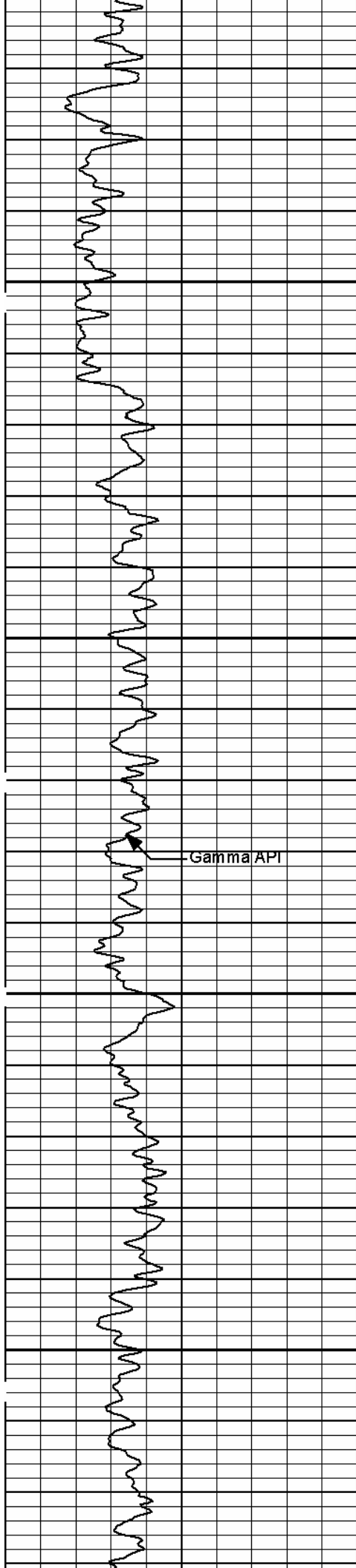
1000

1100

1200

Gamma API

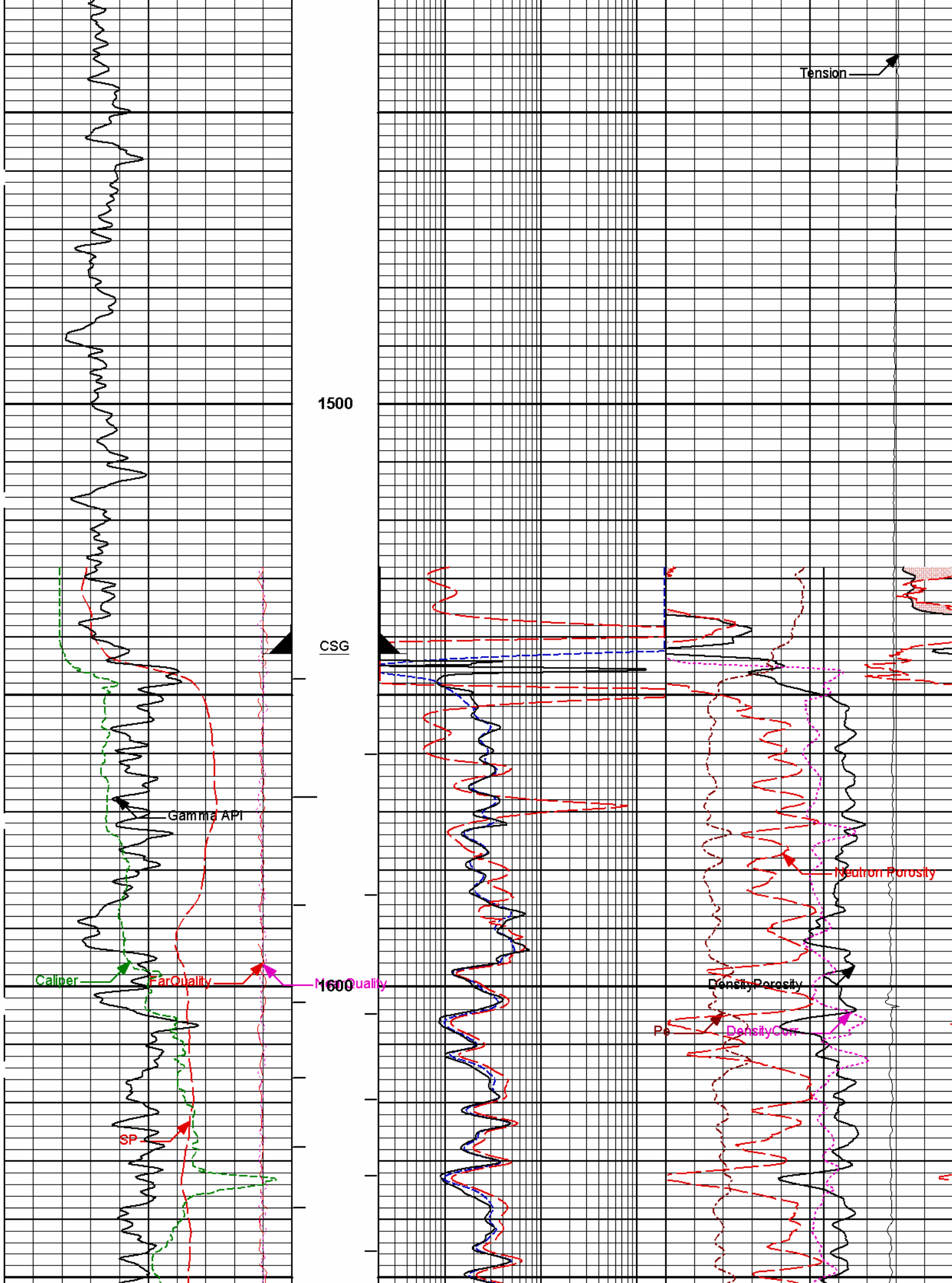
Tension

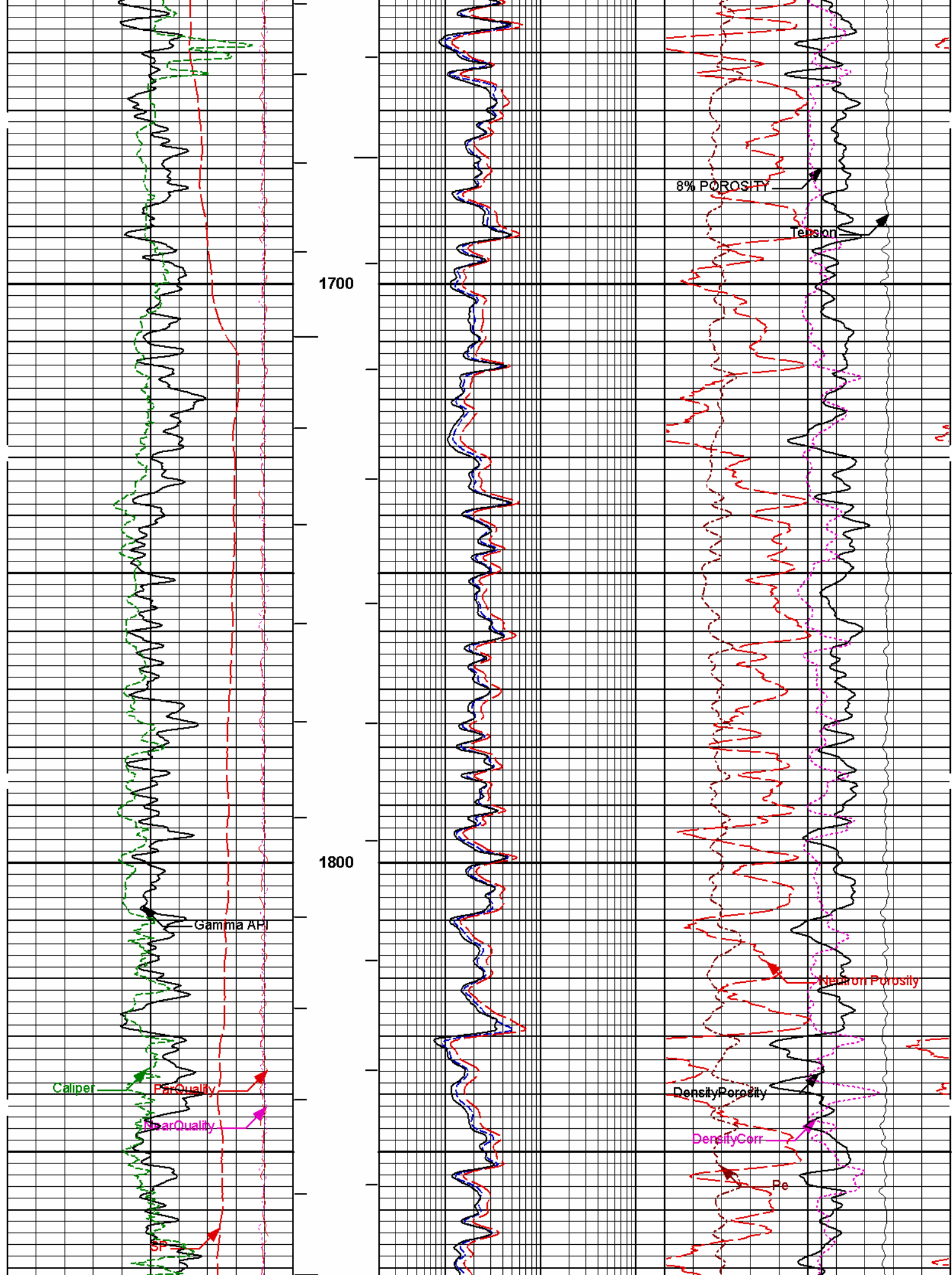


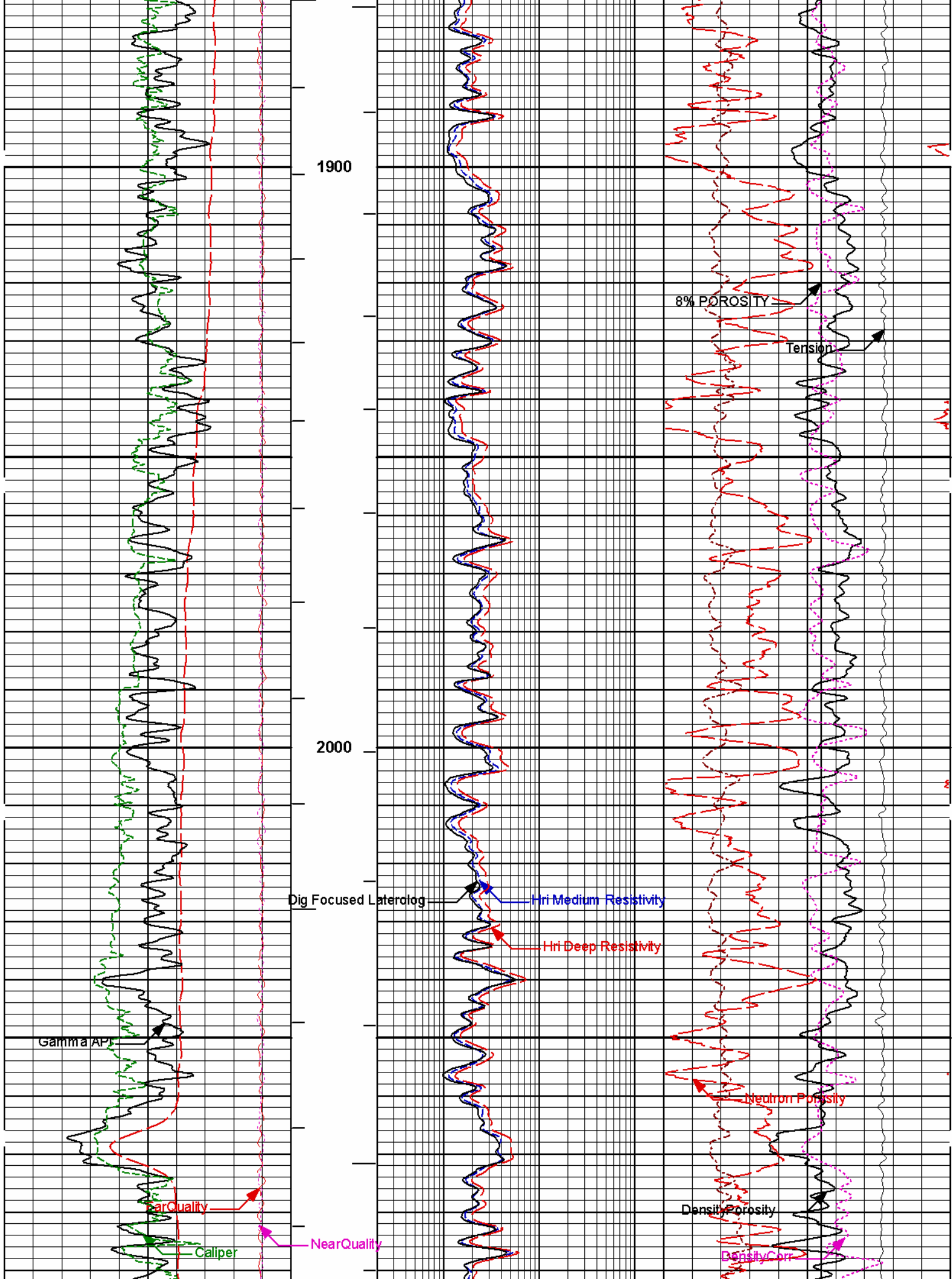
1300

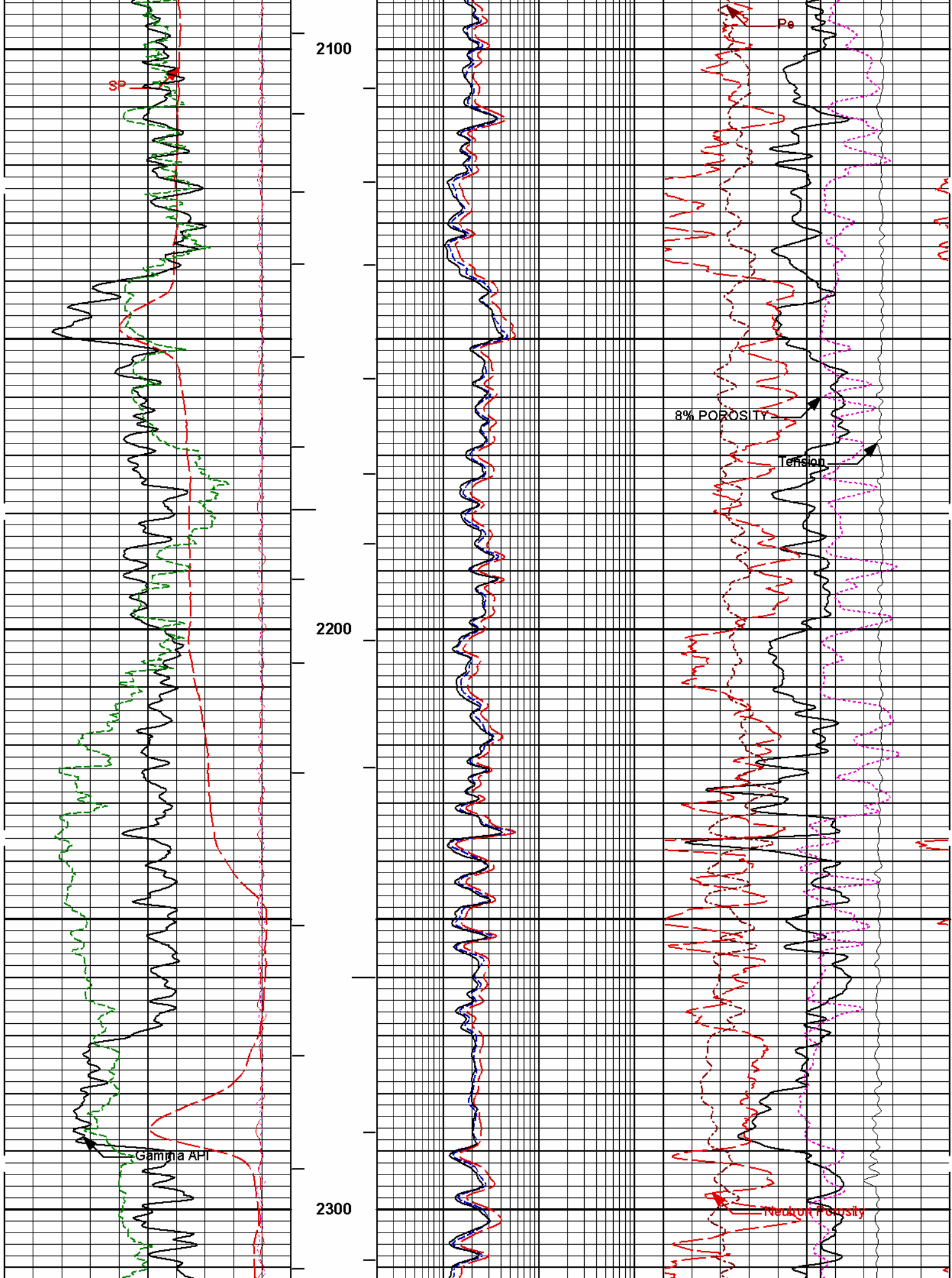
Gamma API

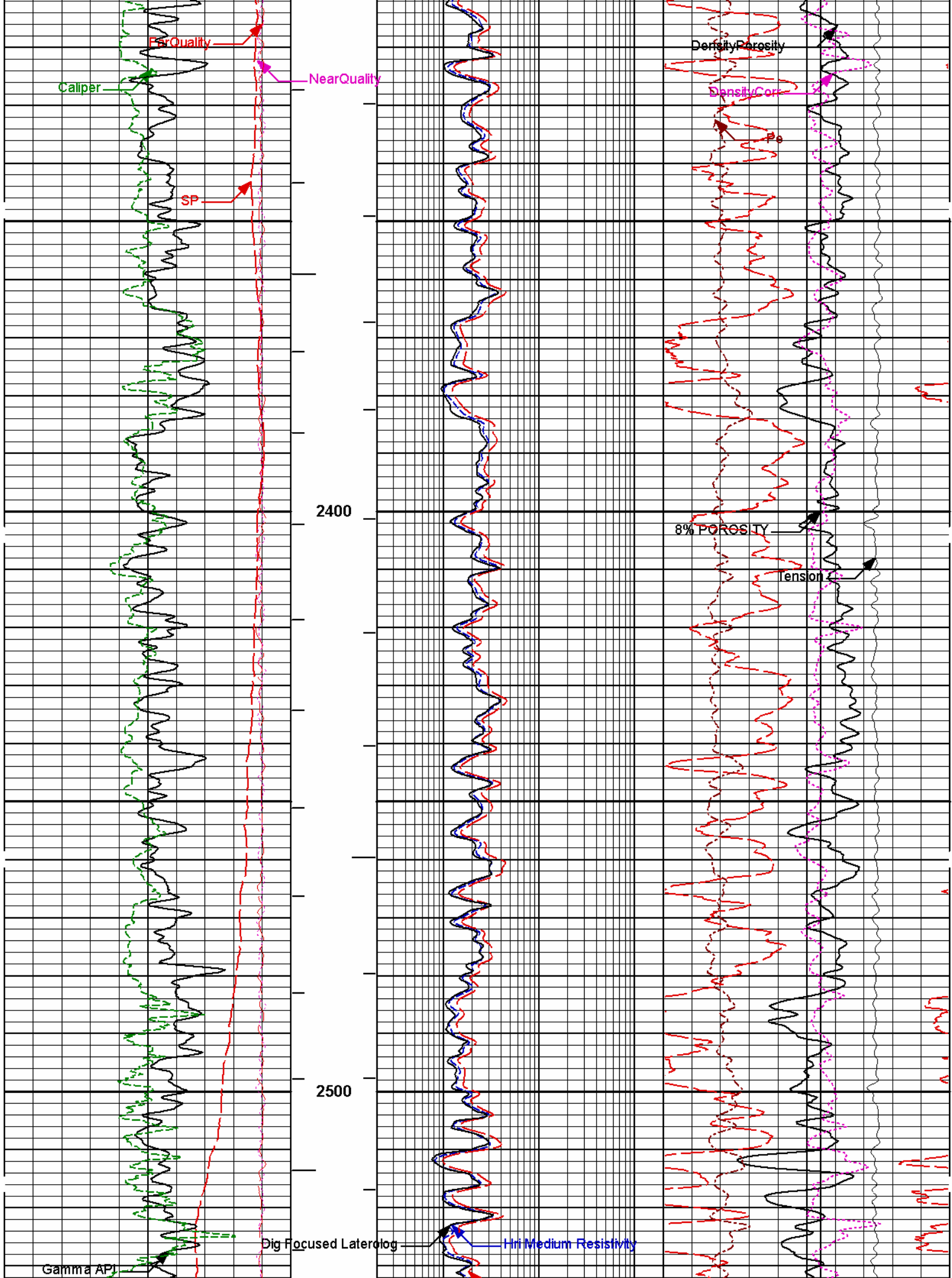
1400

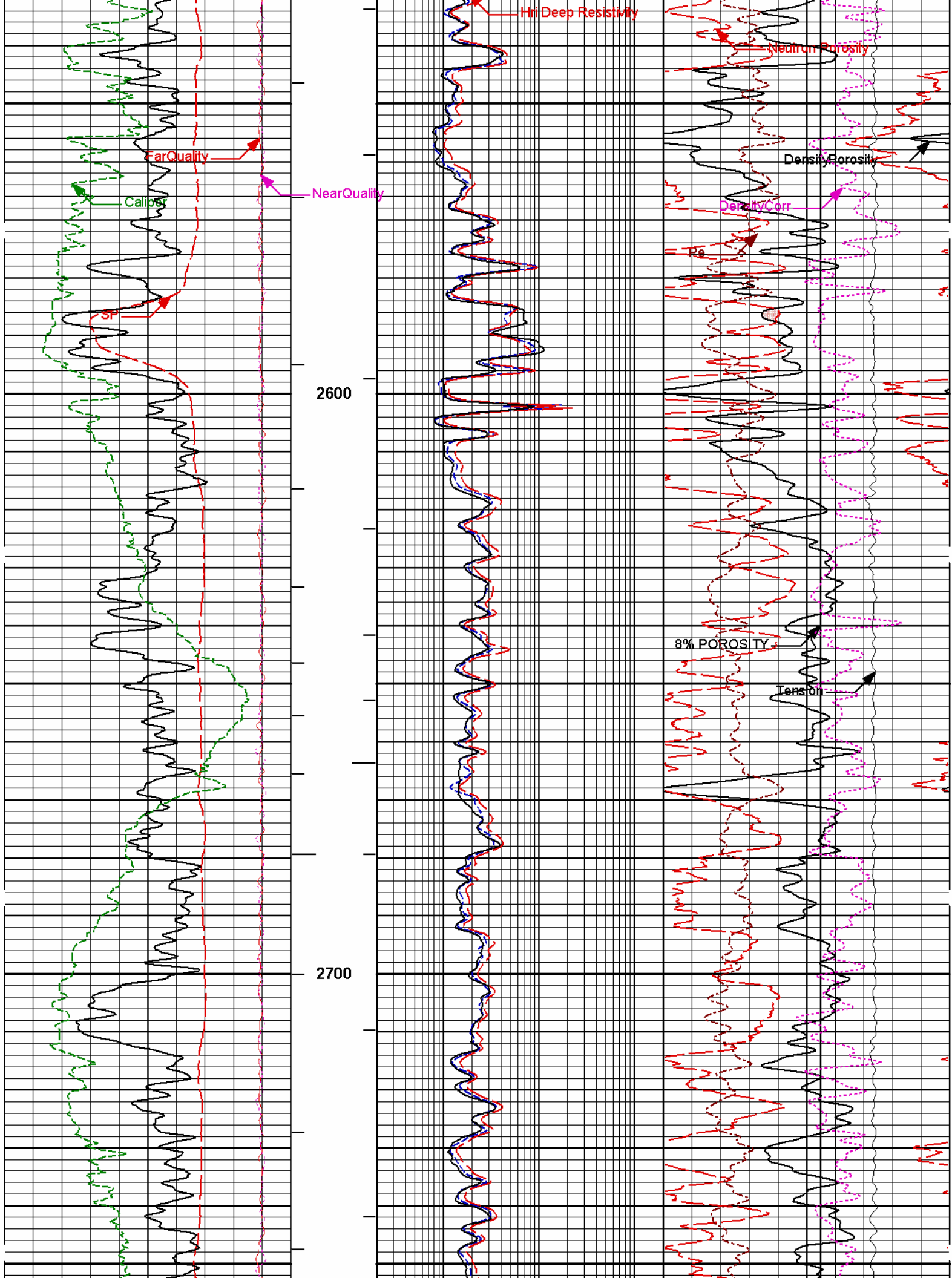


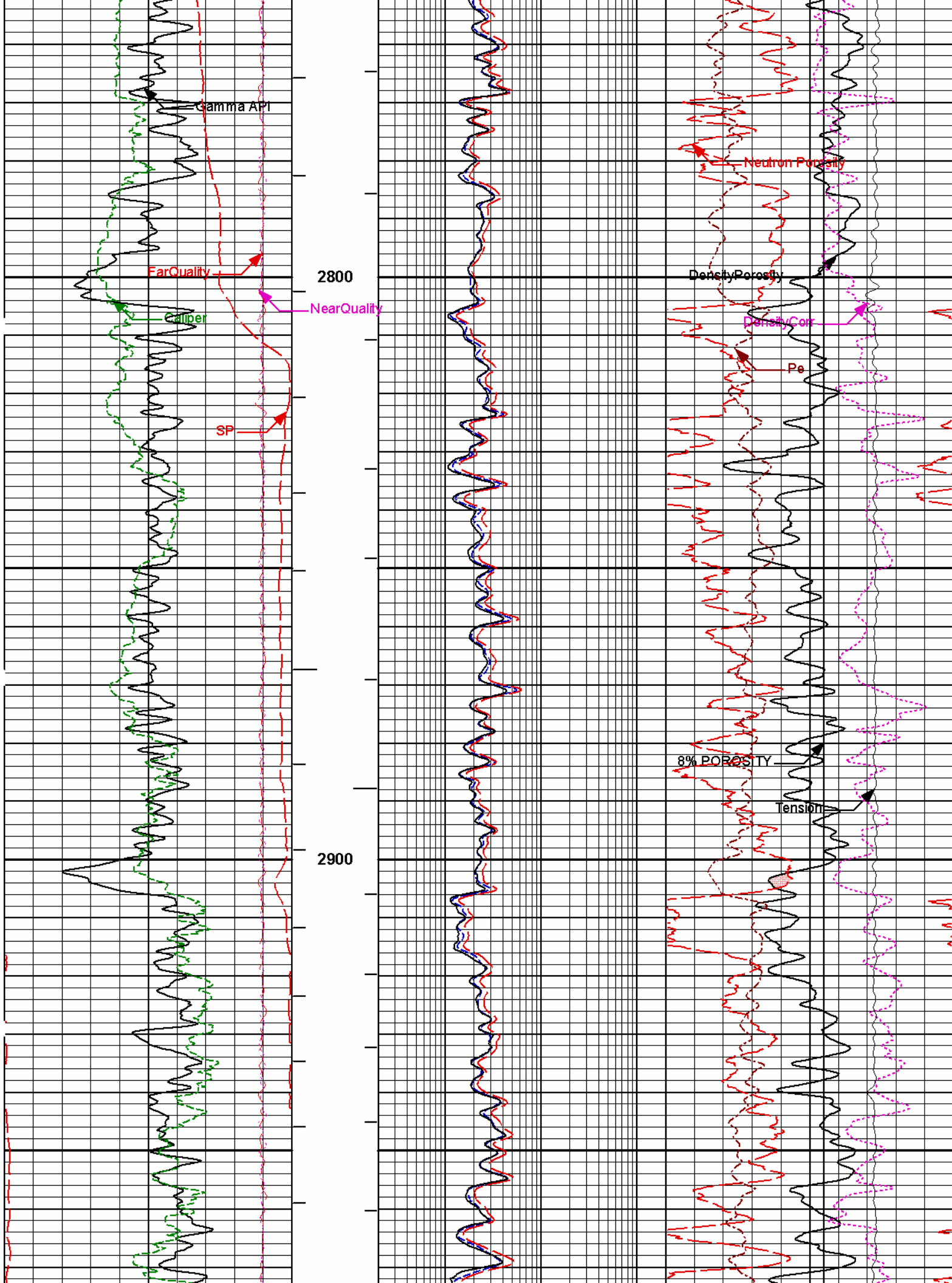


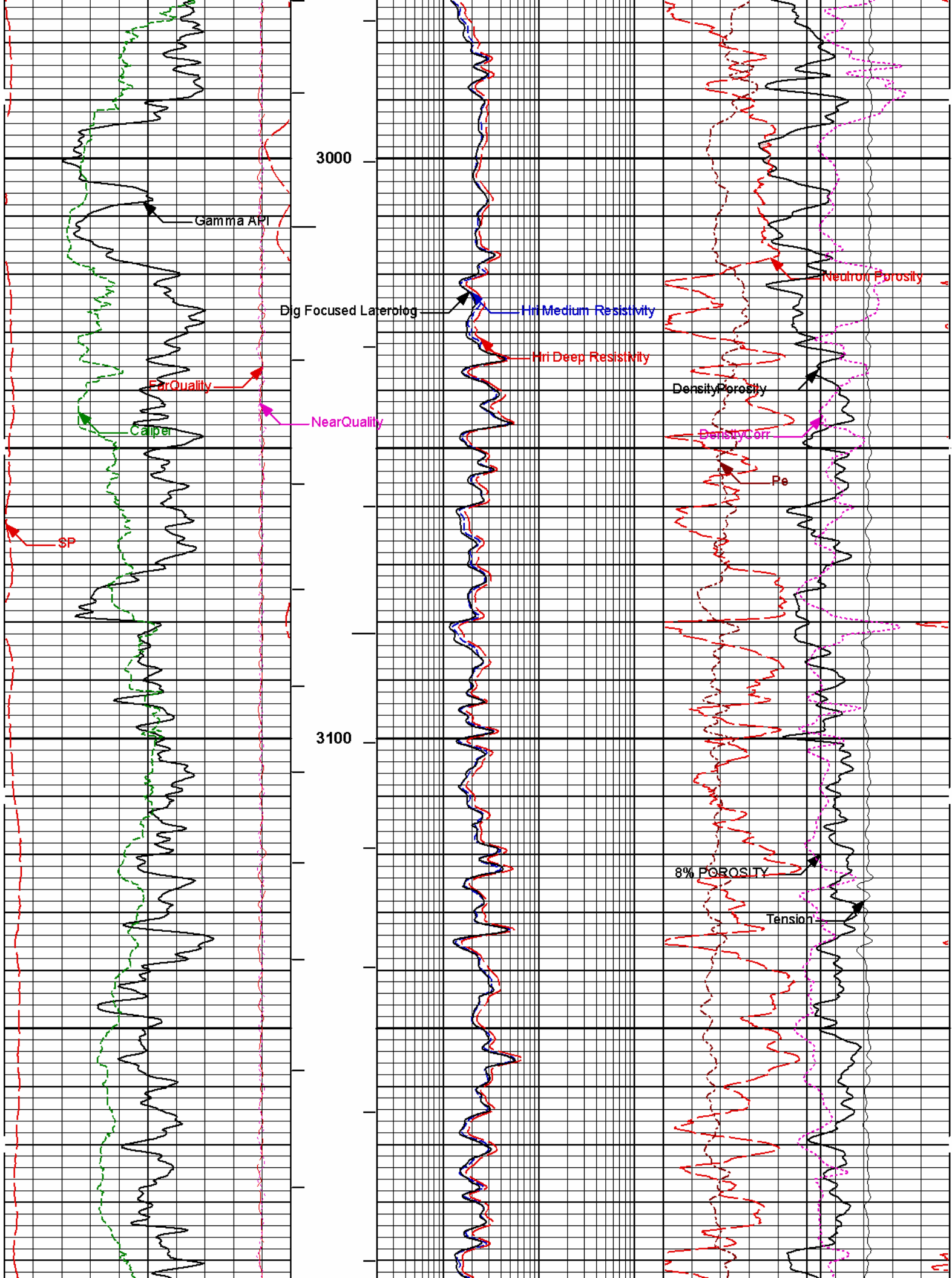


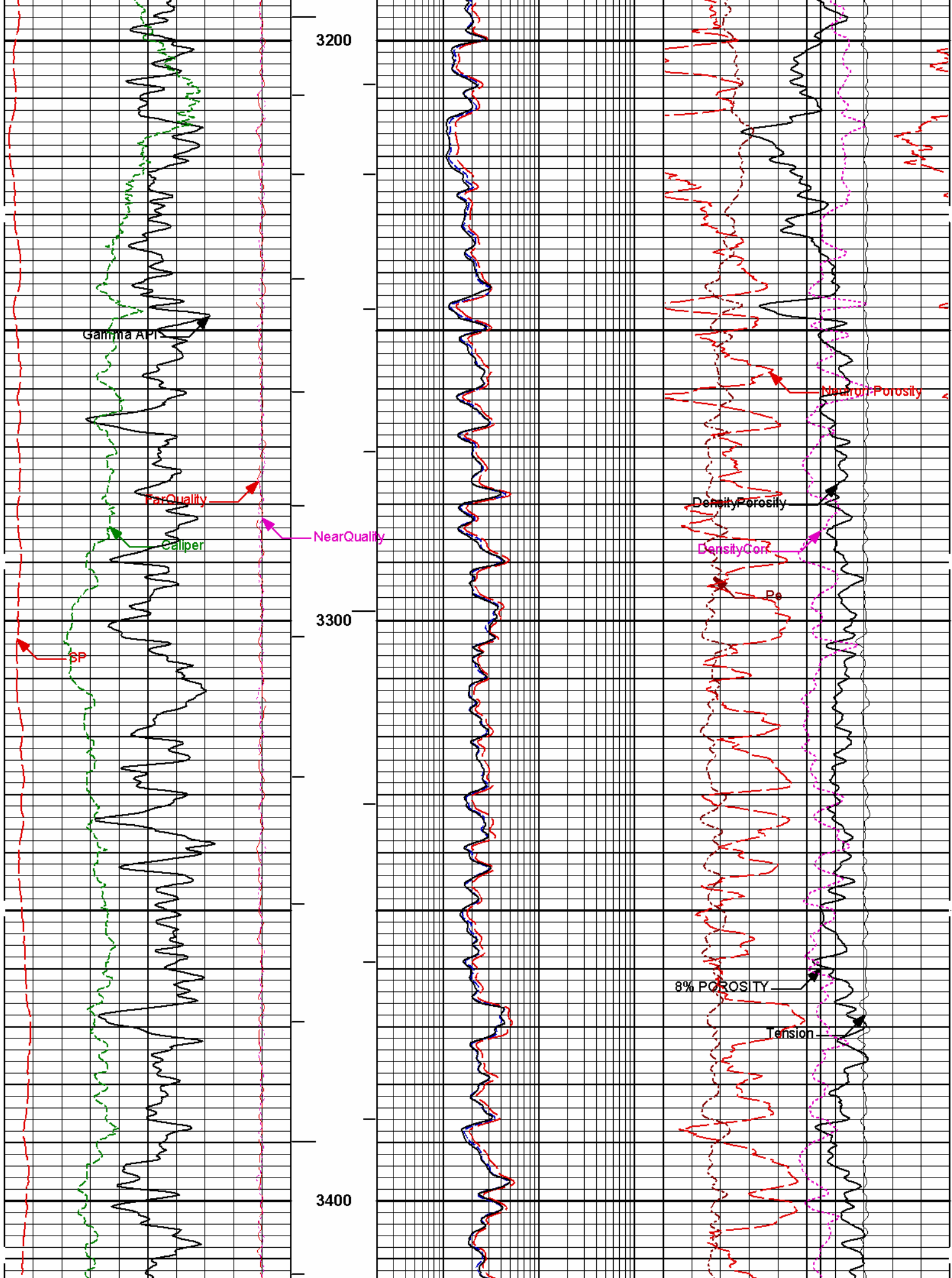


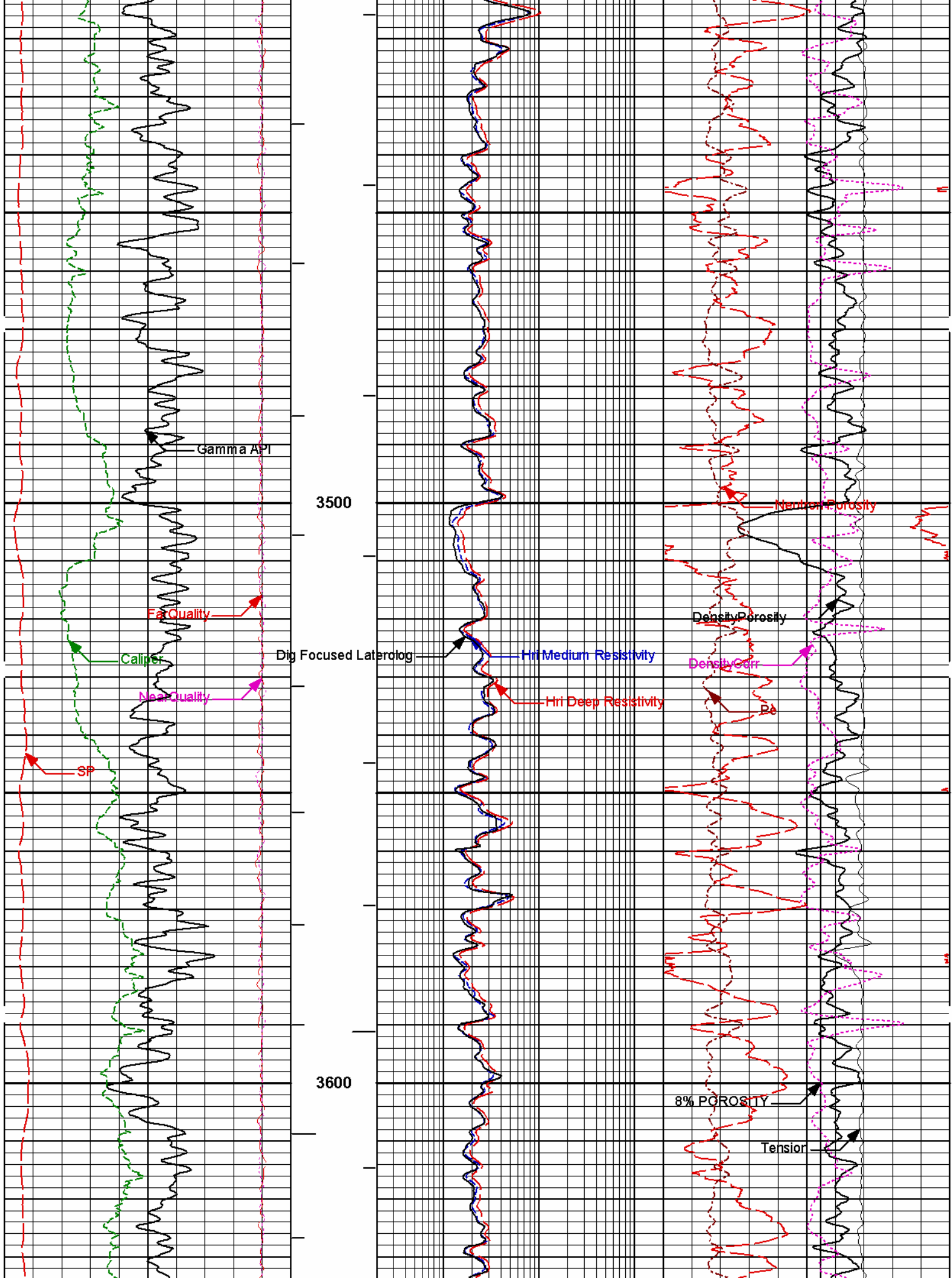


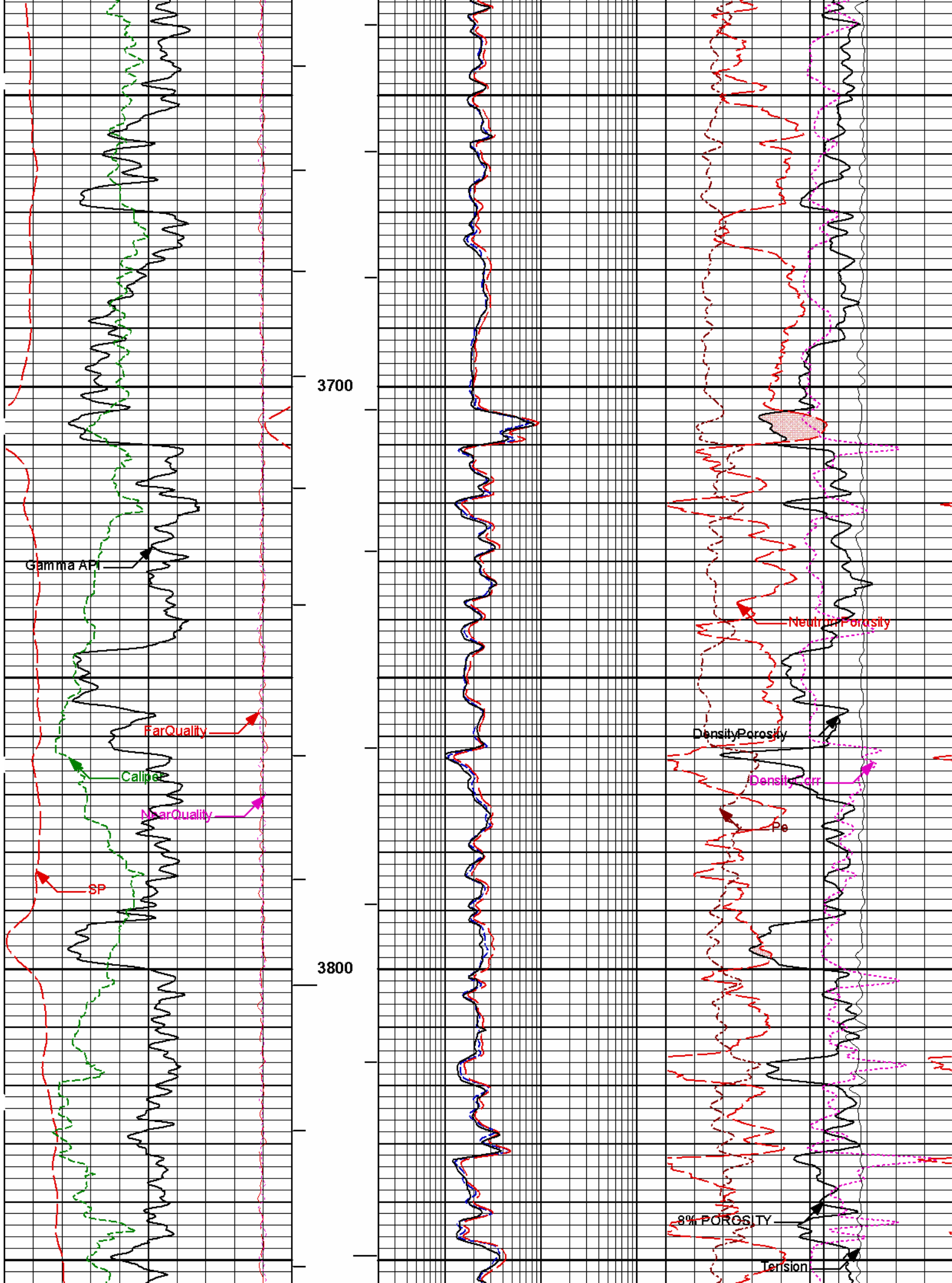


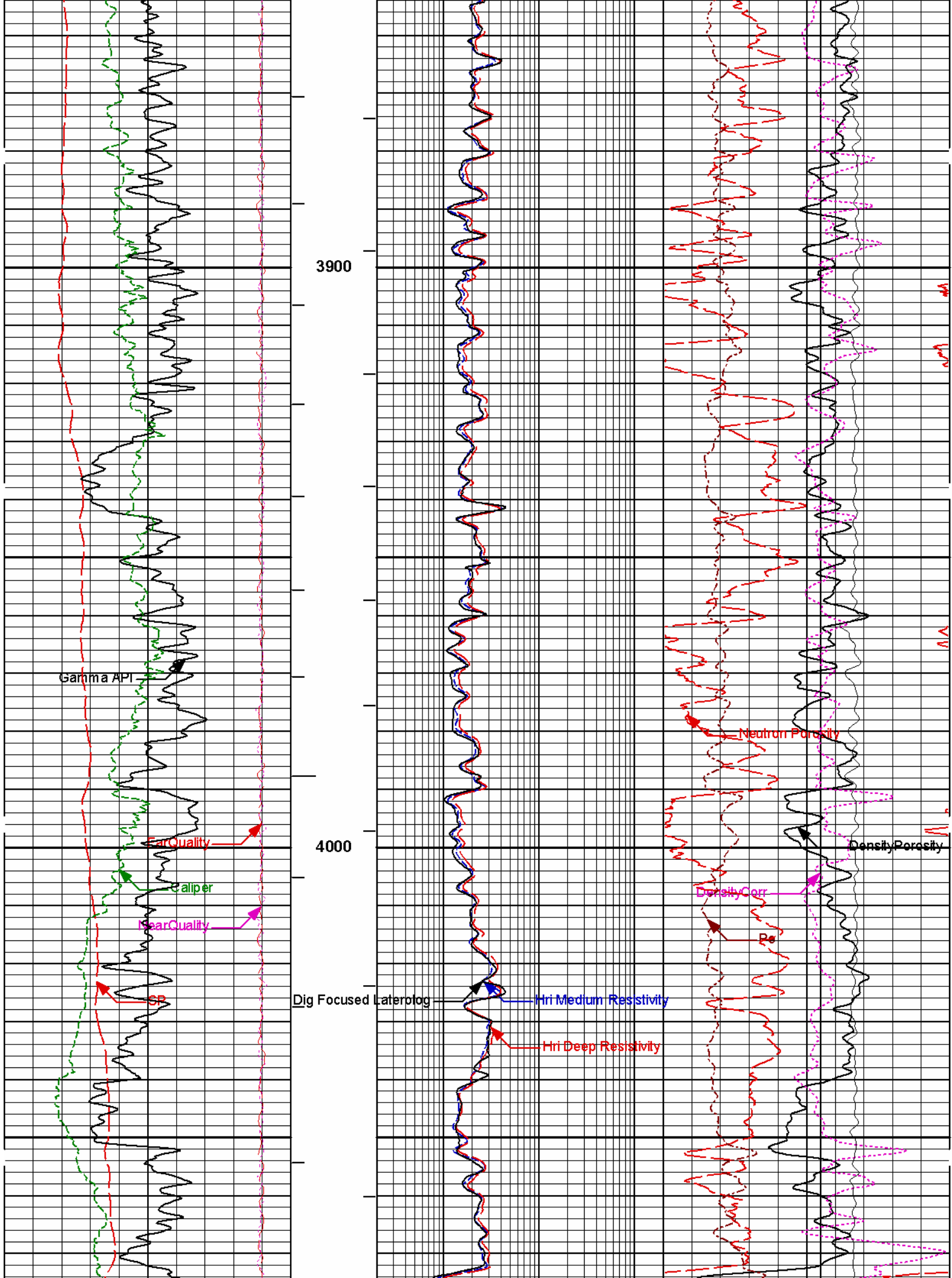


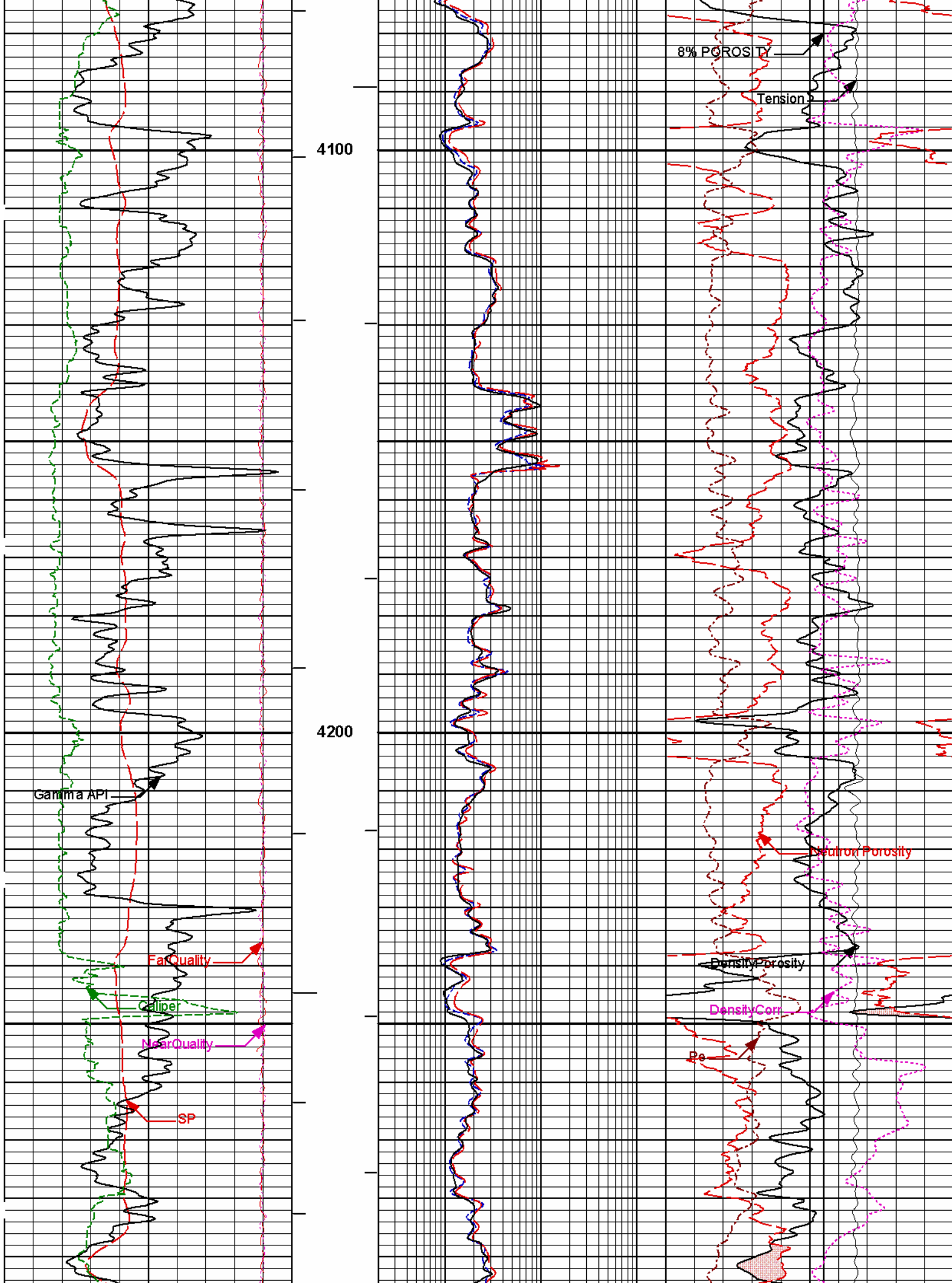


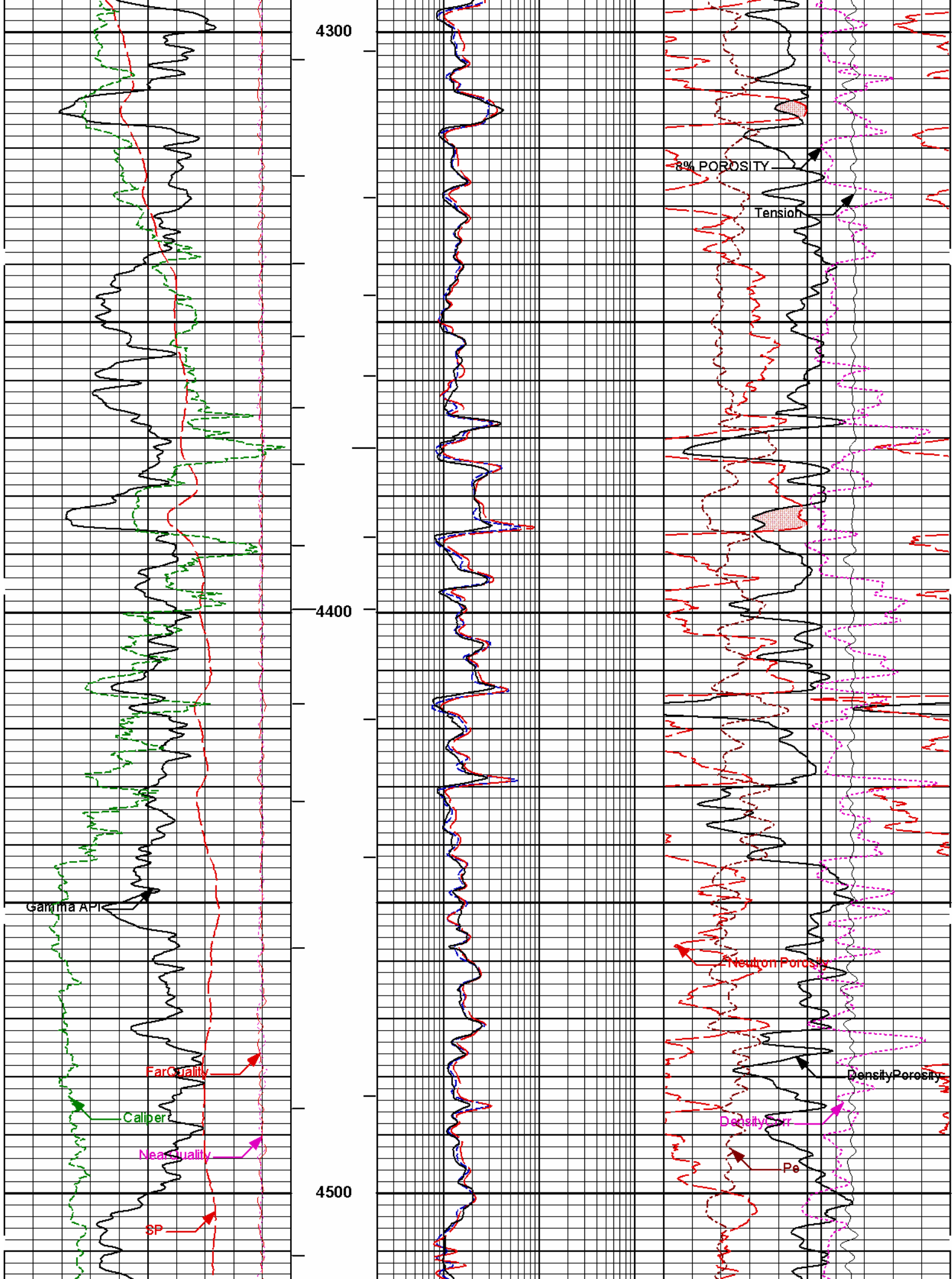


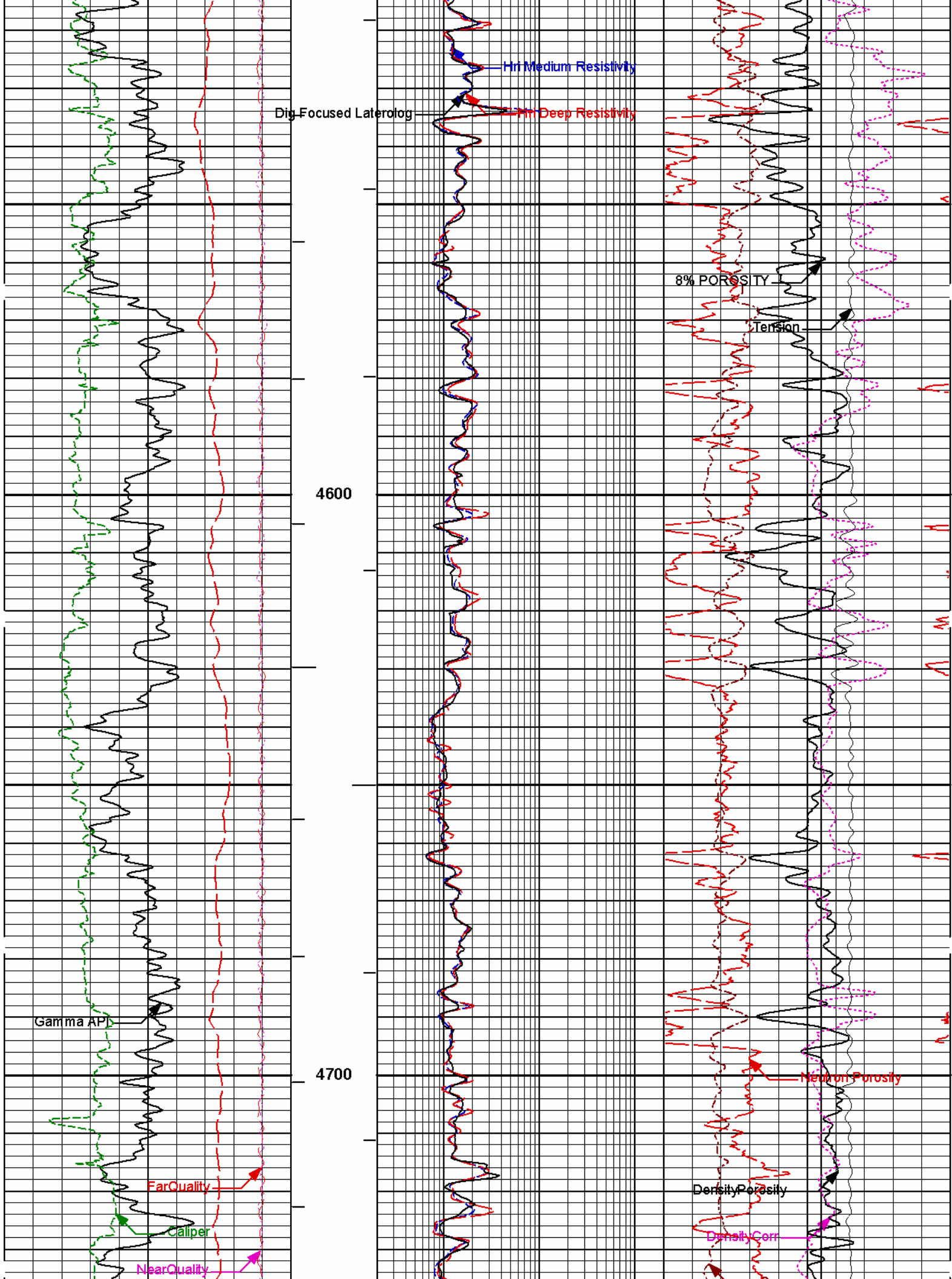


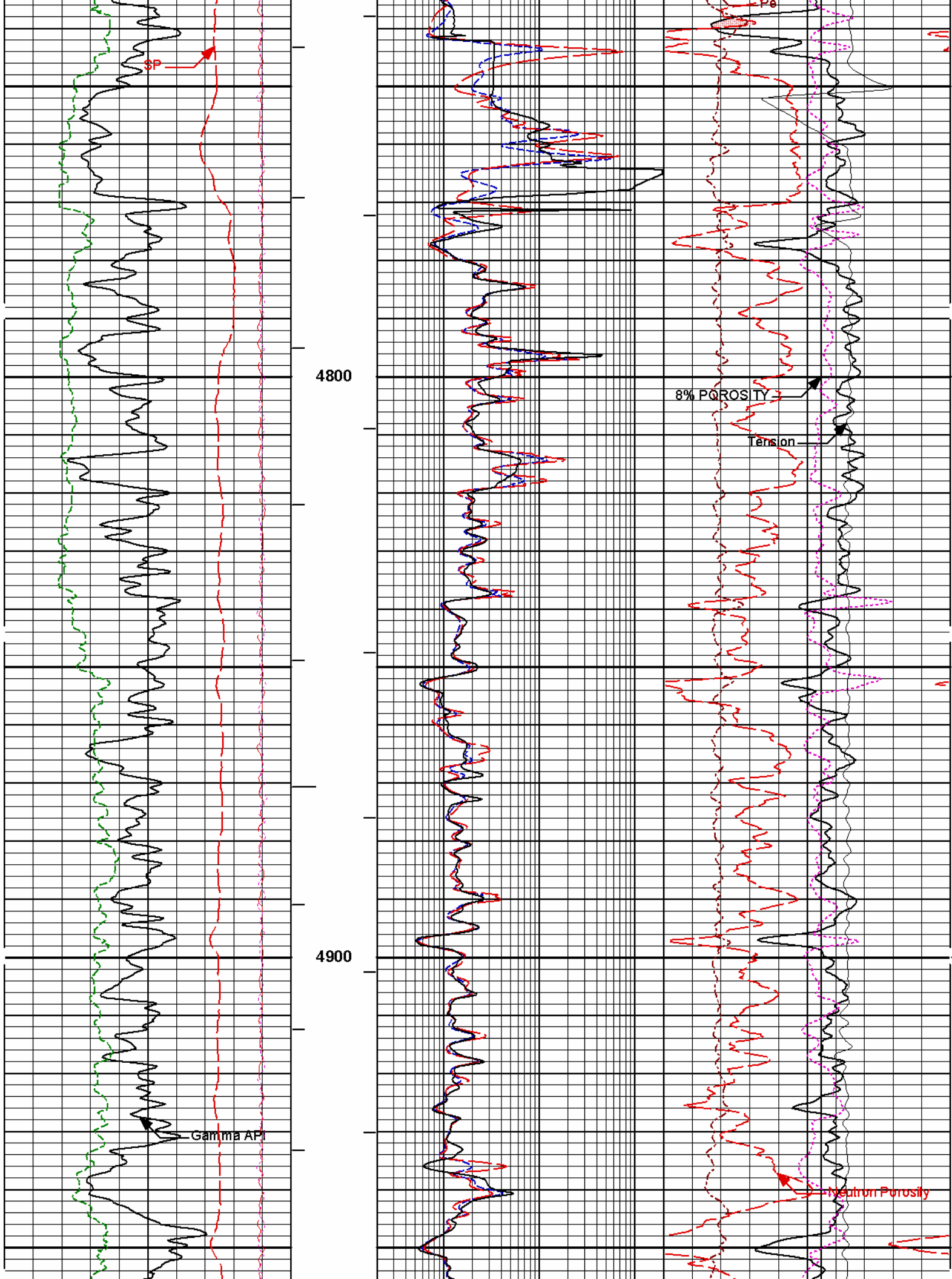


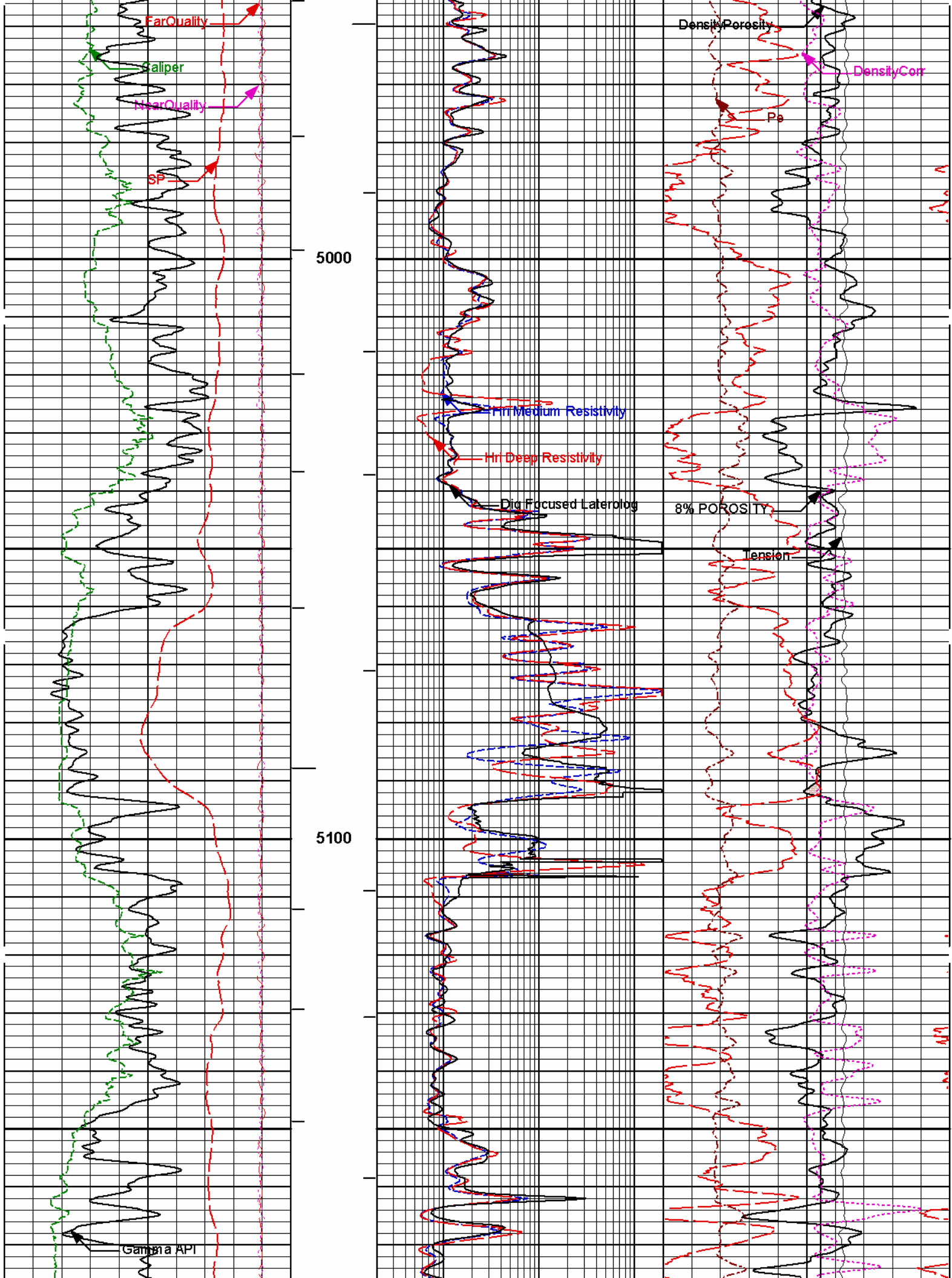


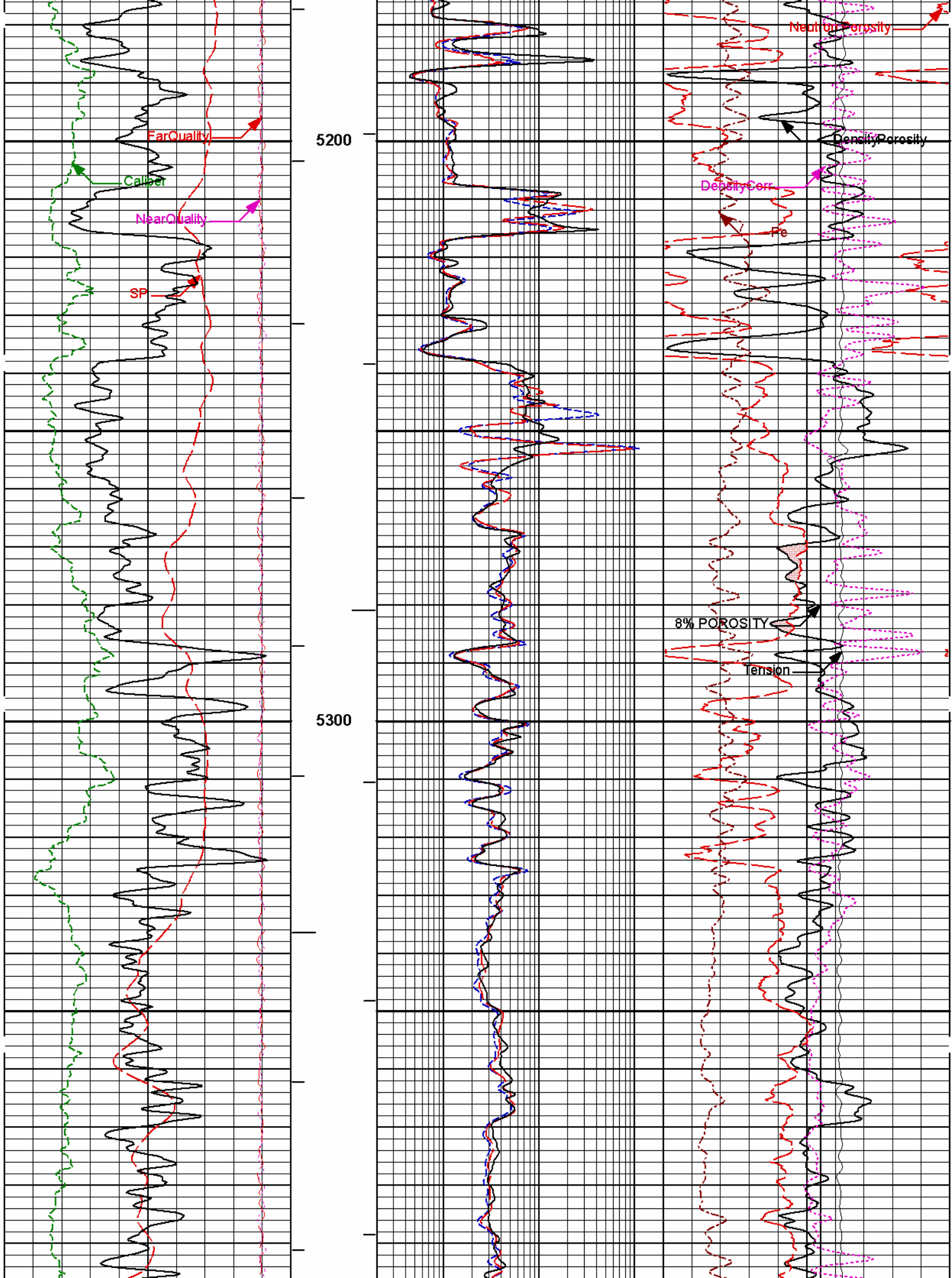


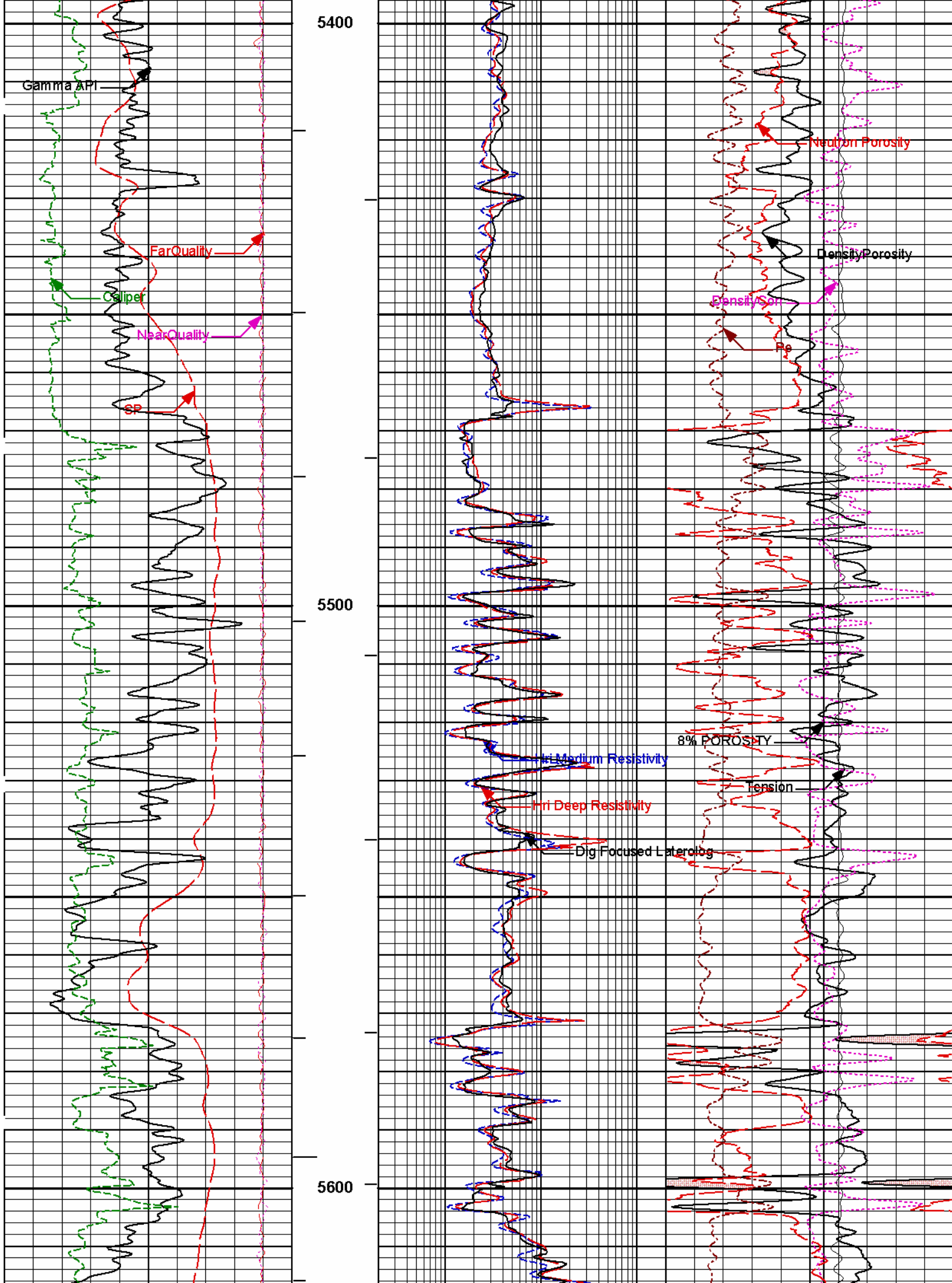


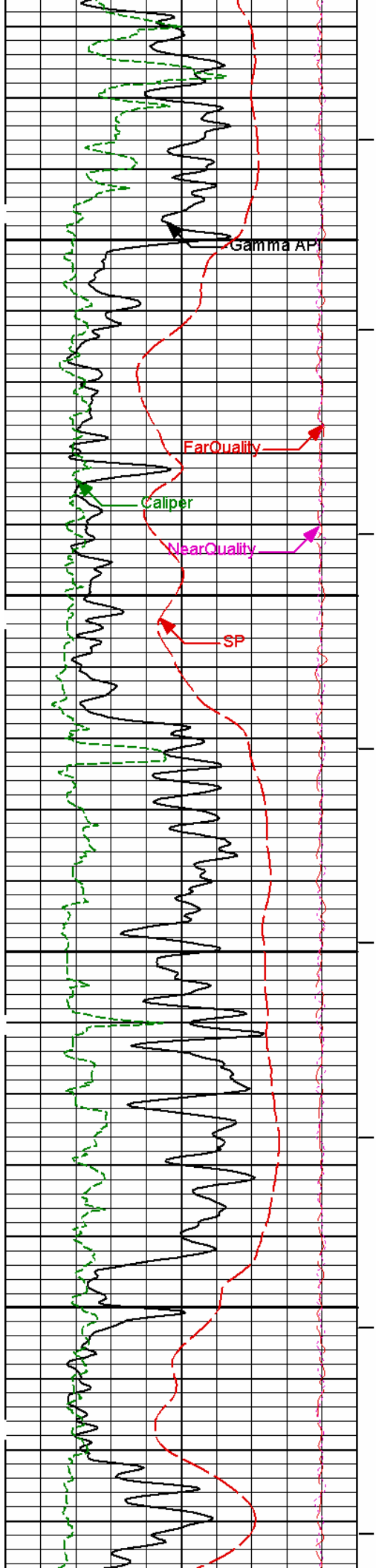






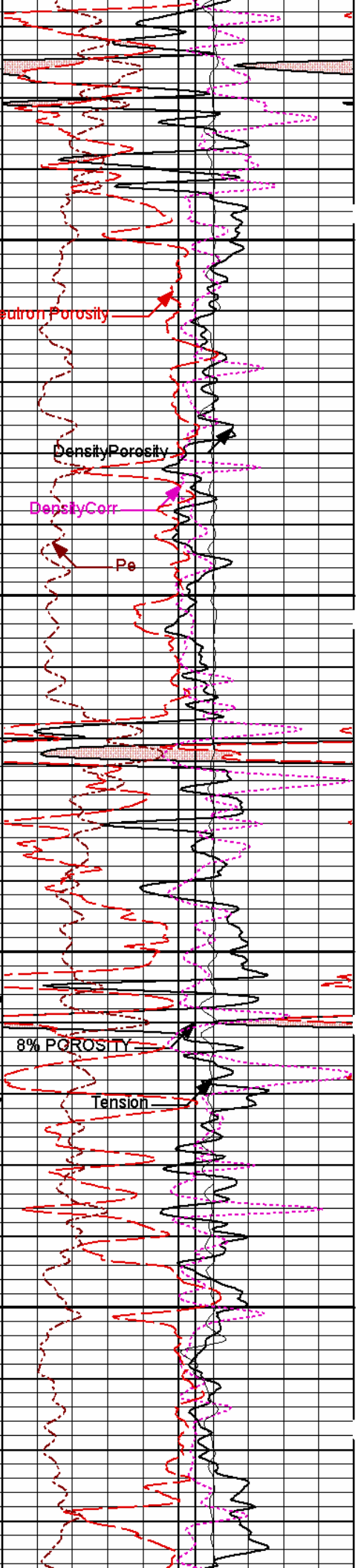
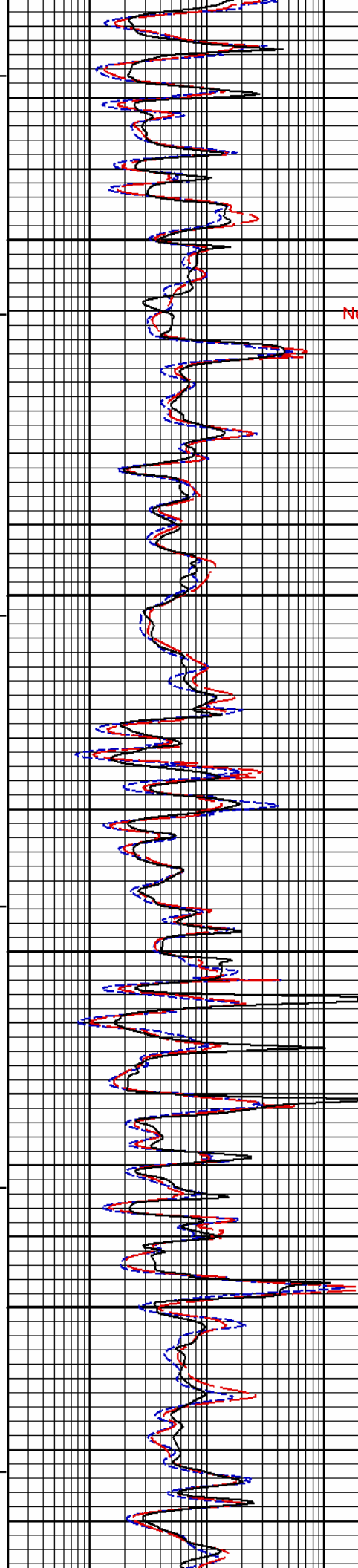


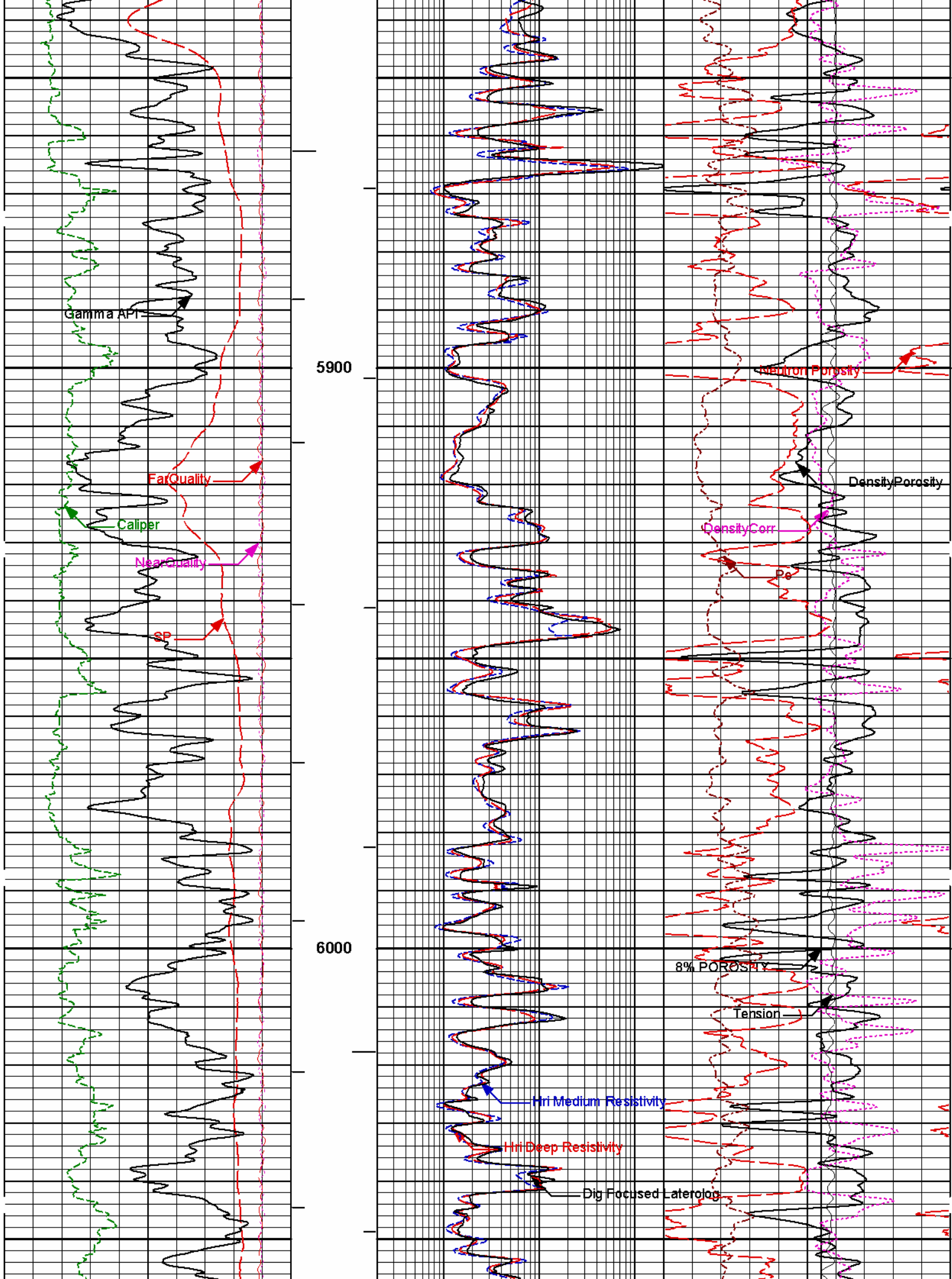


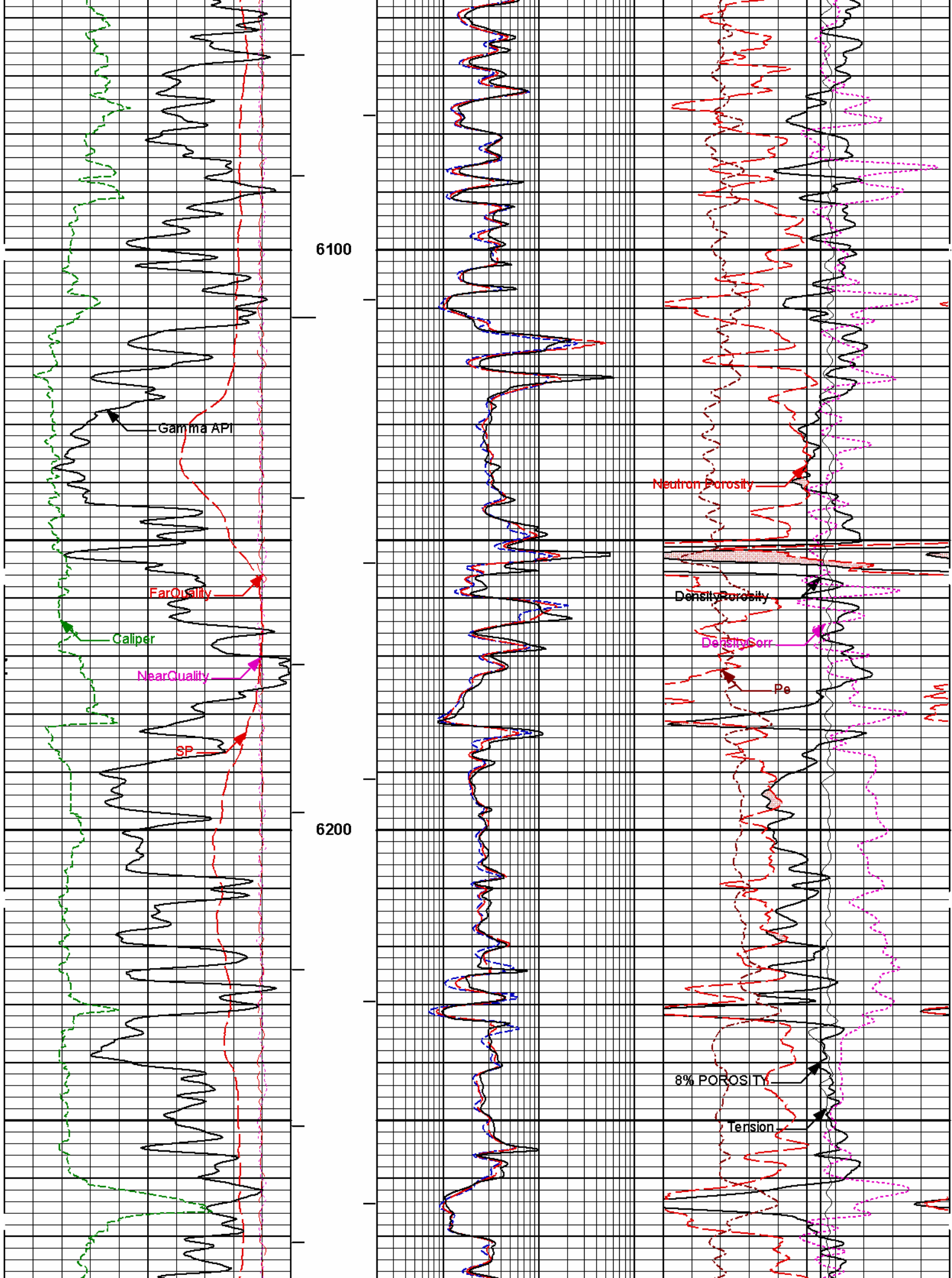


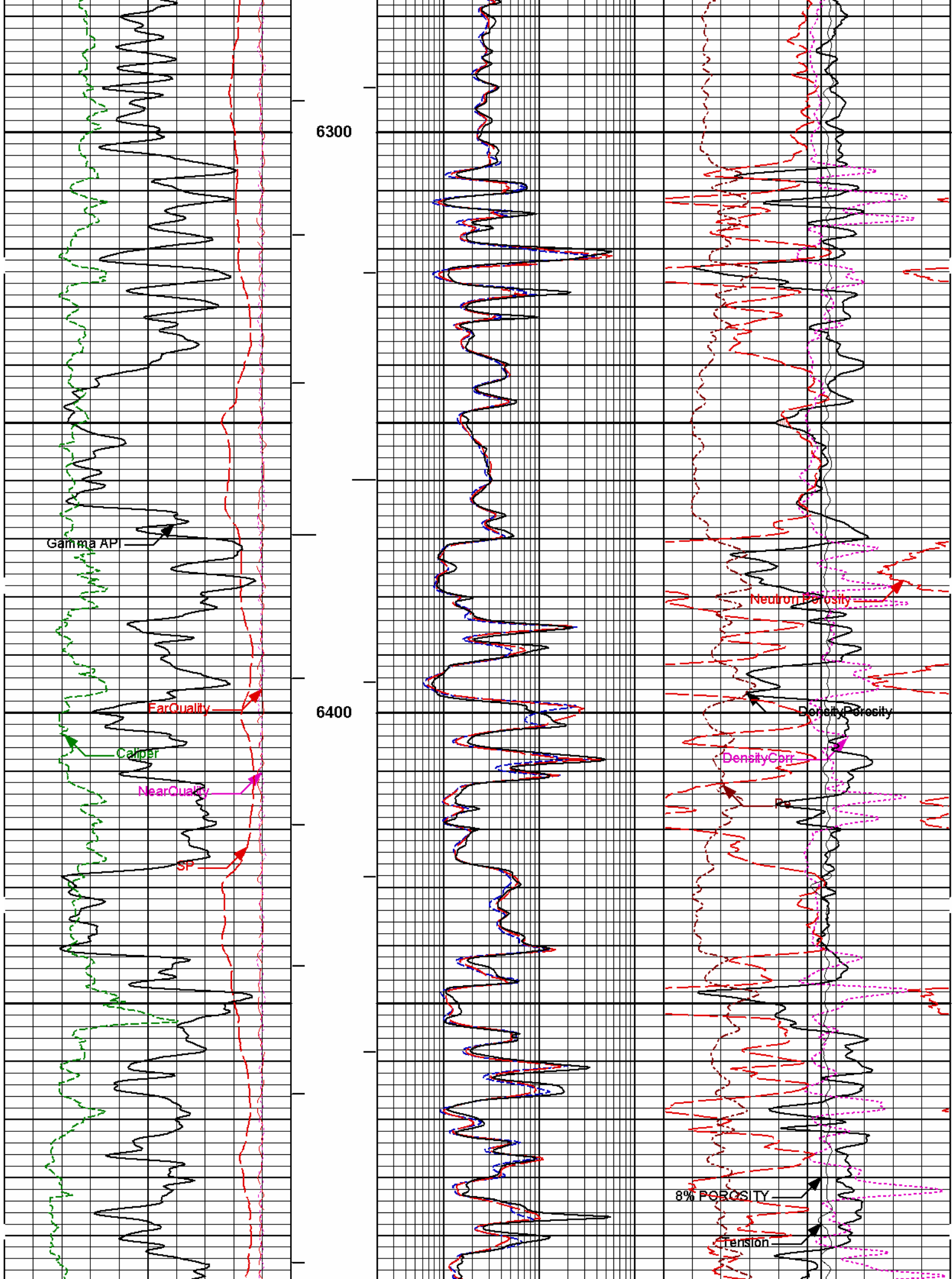
5700

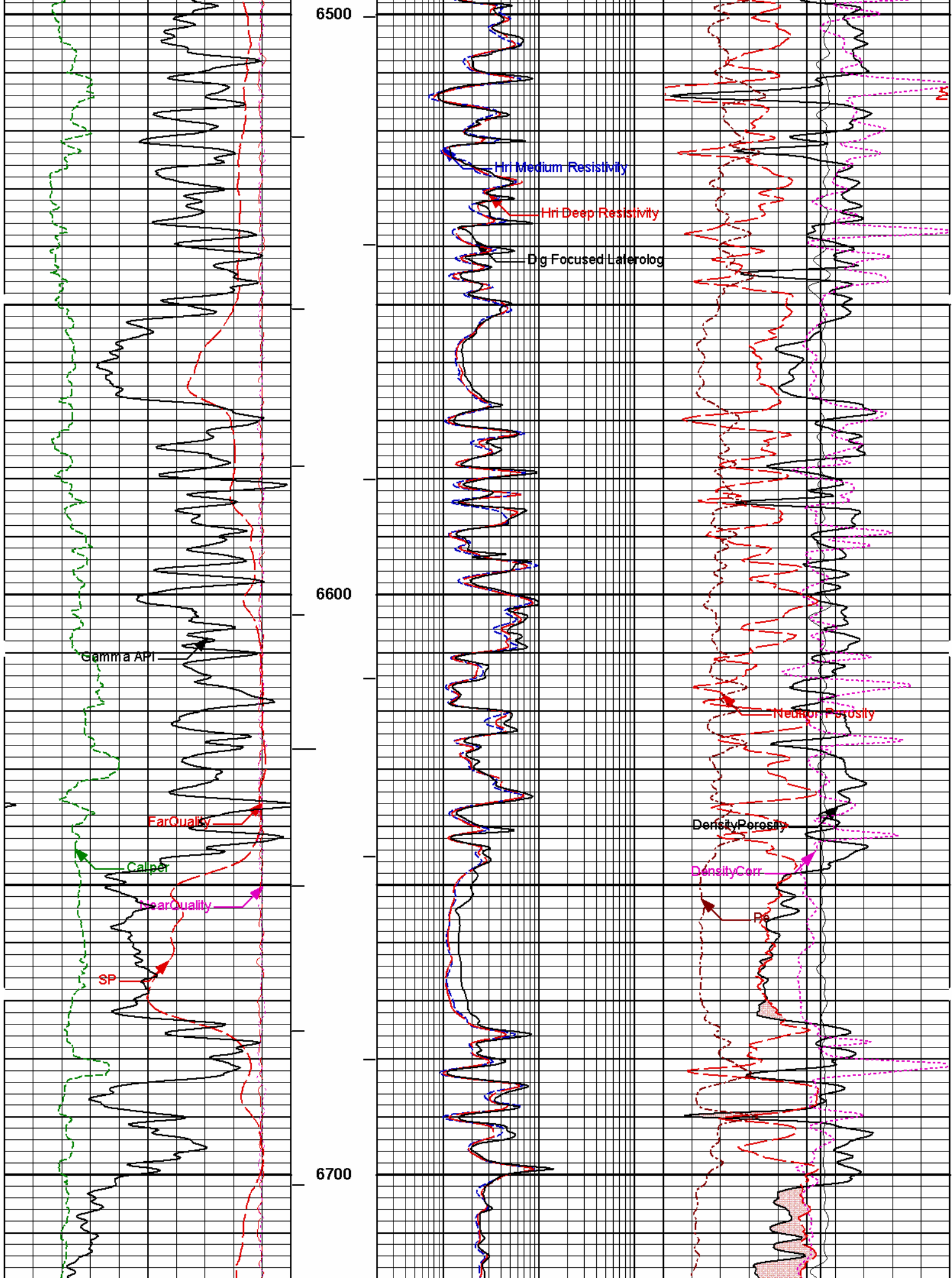
5800

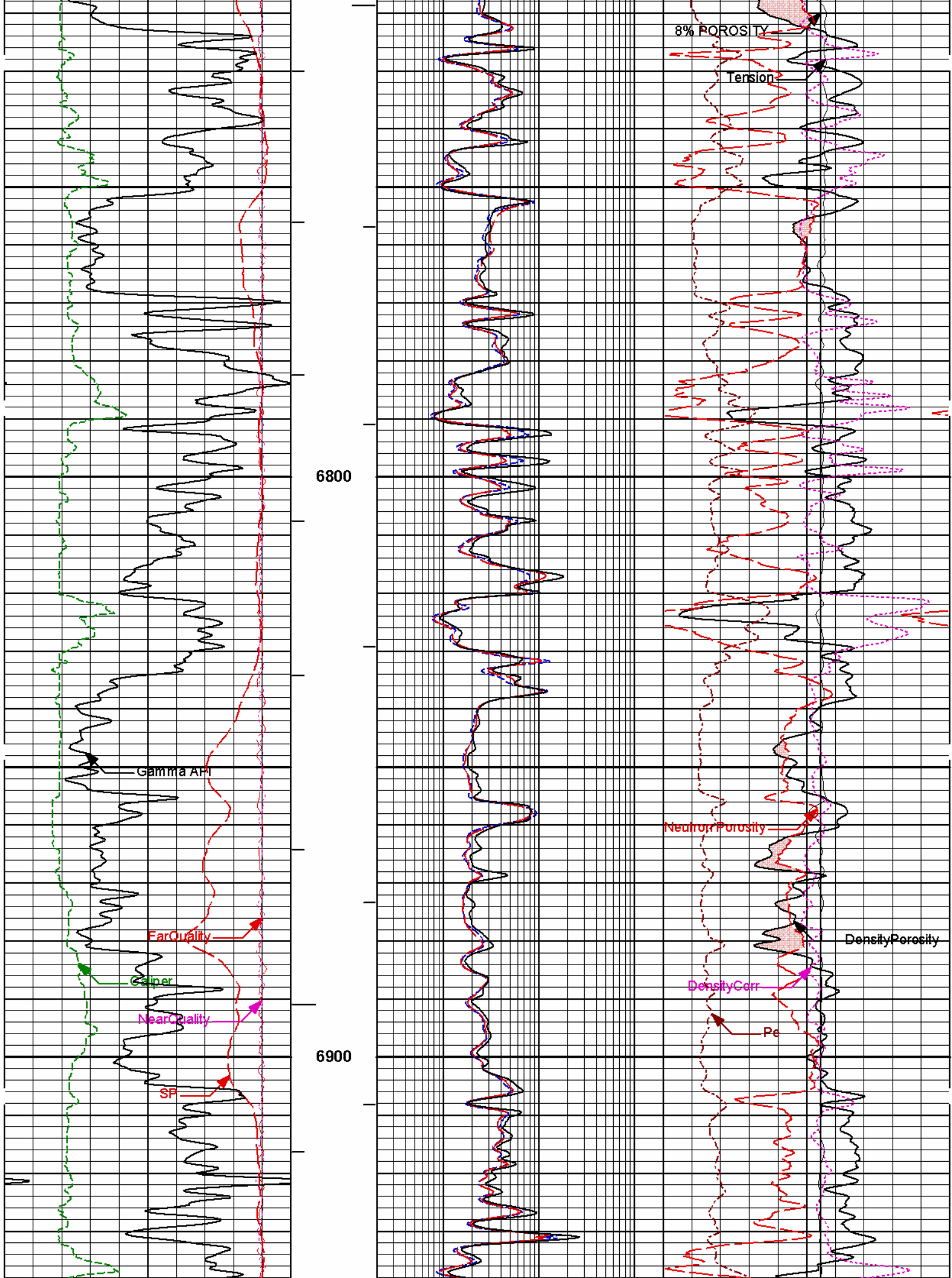


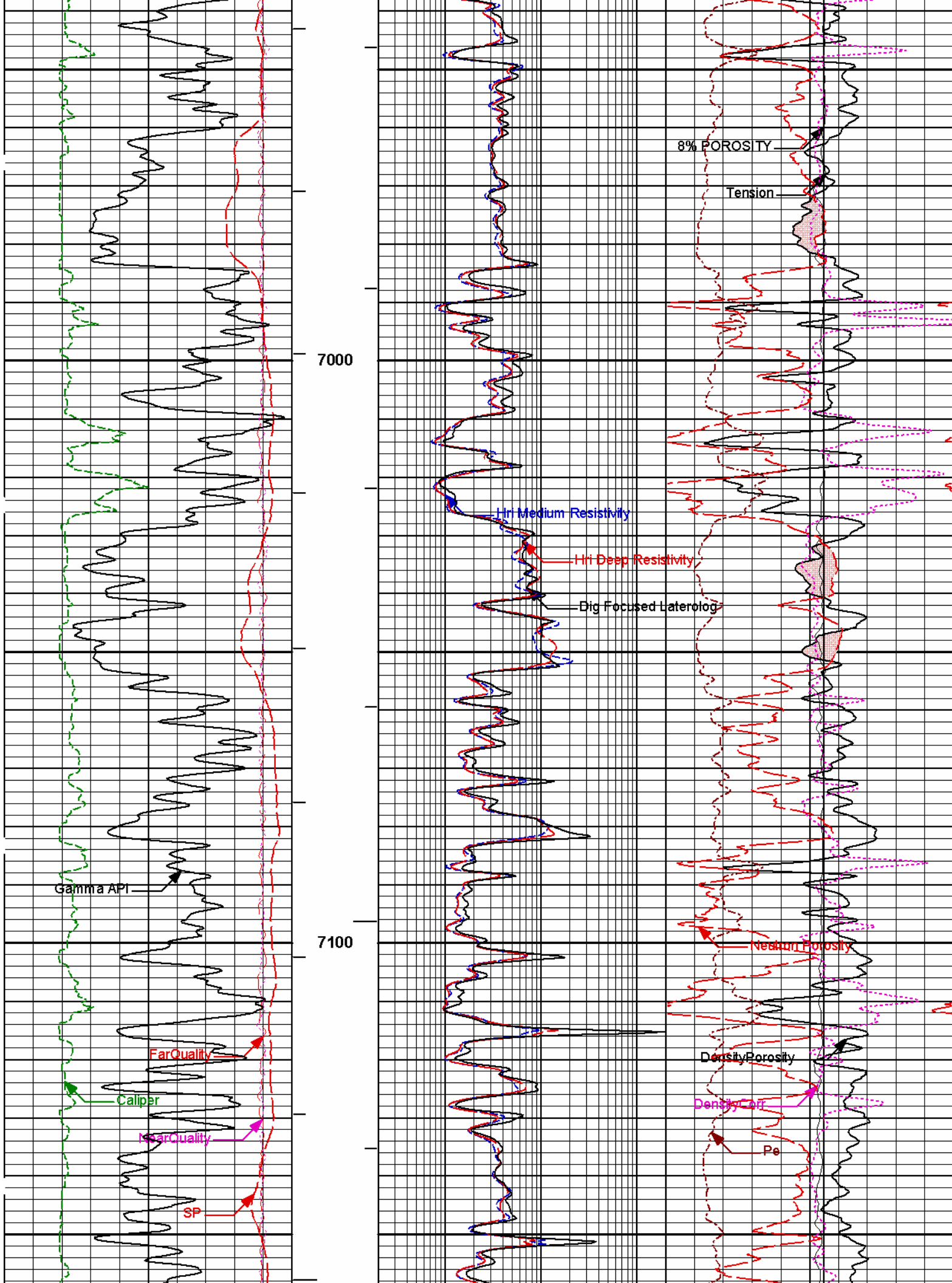


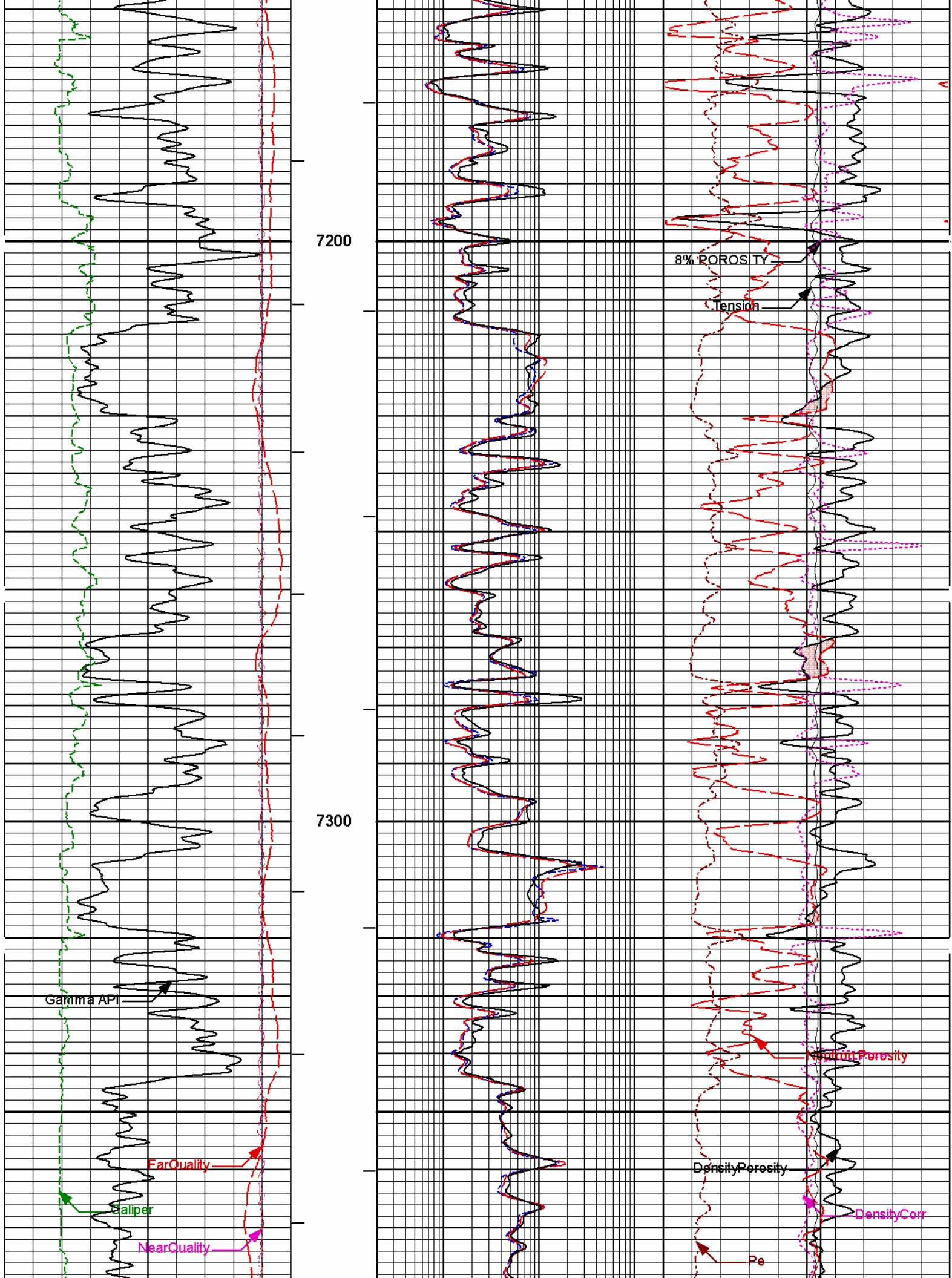


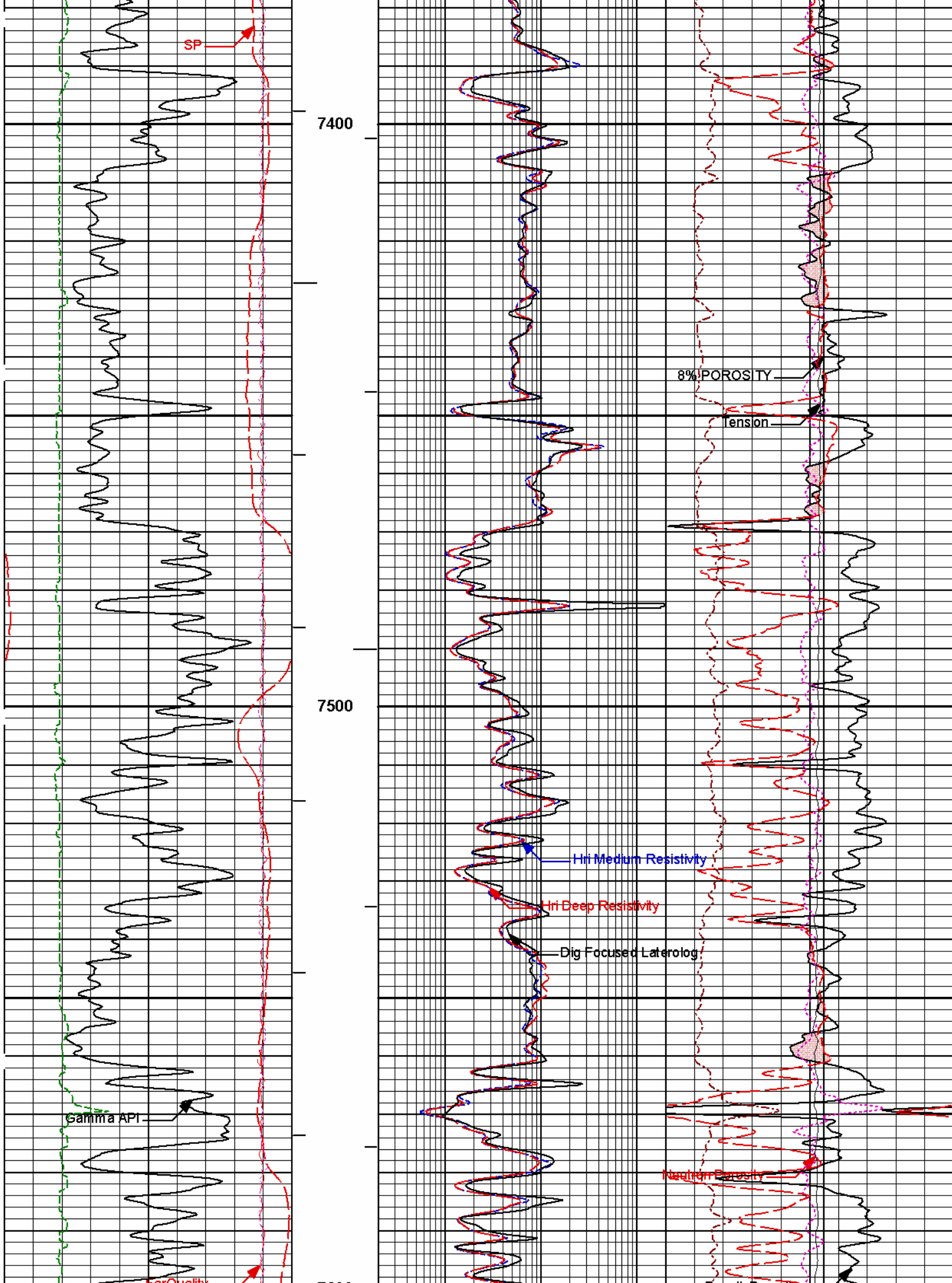


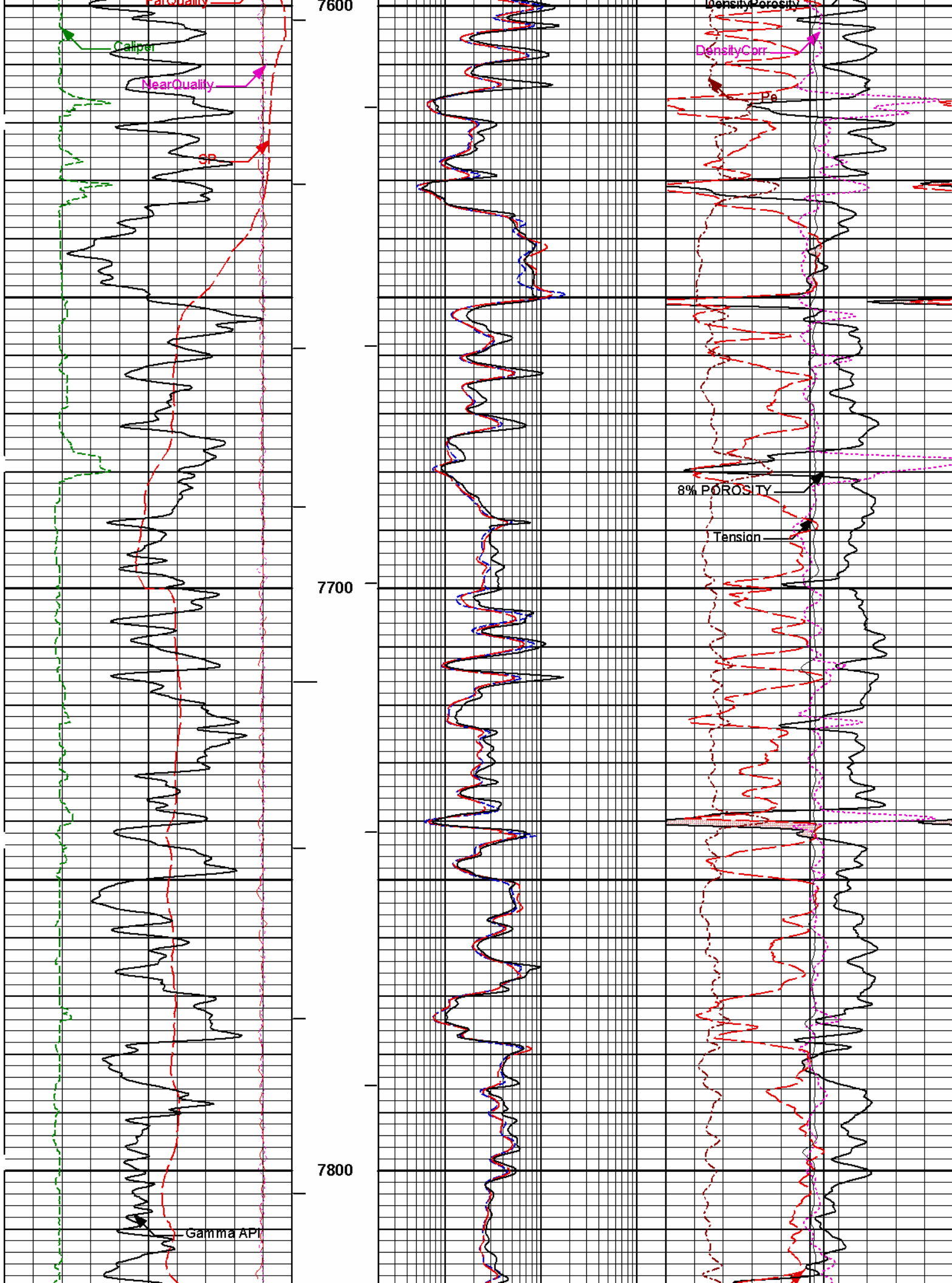


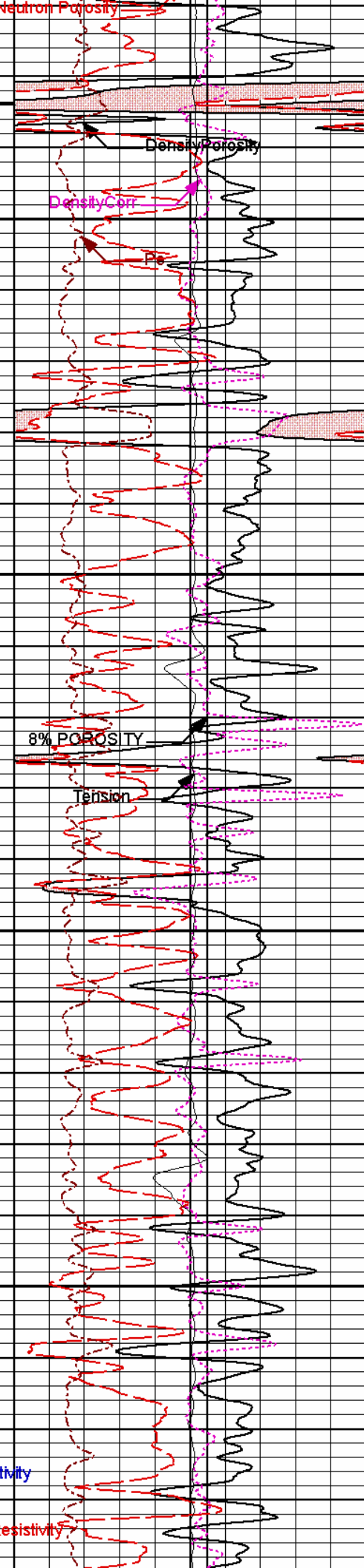
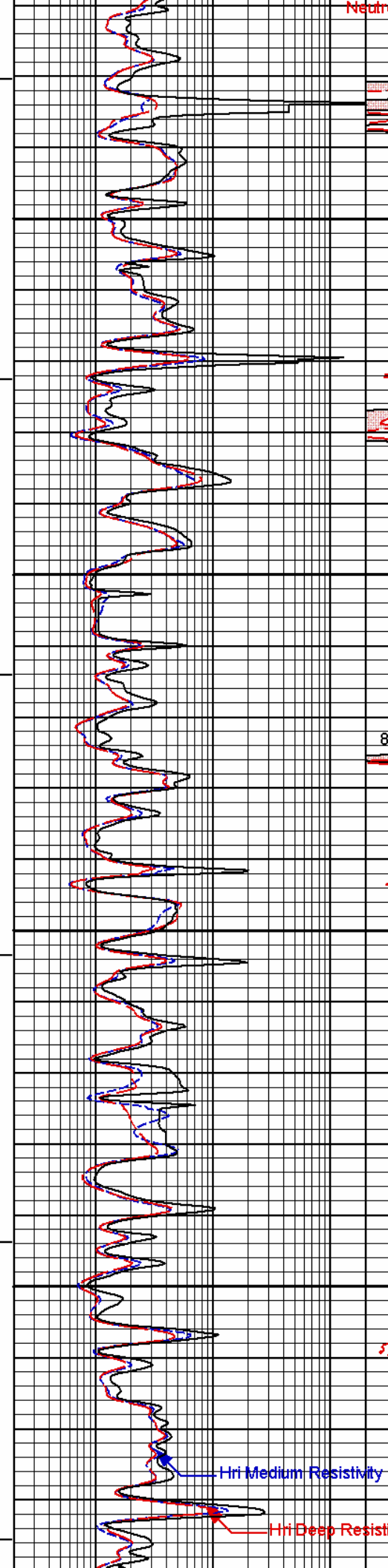
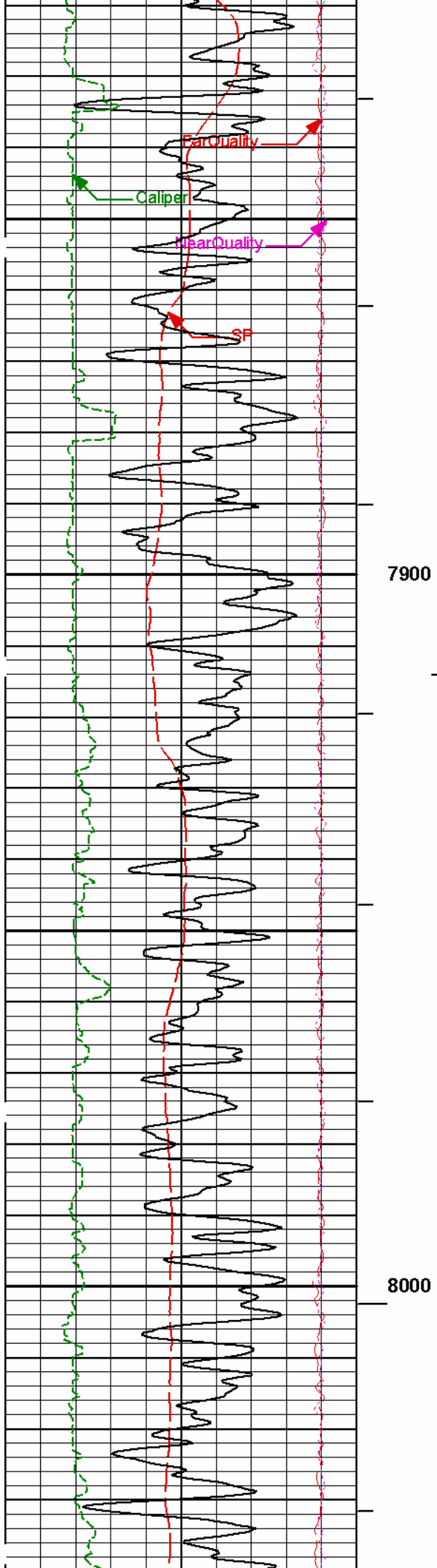


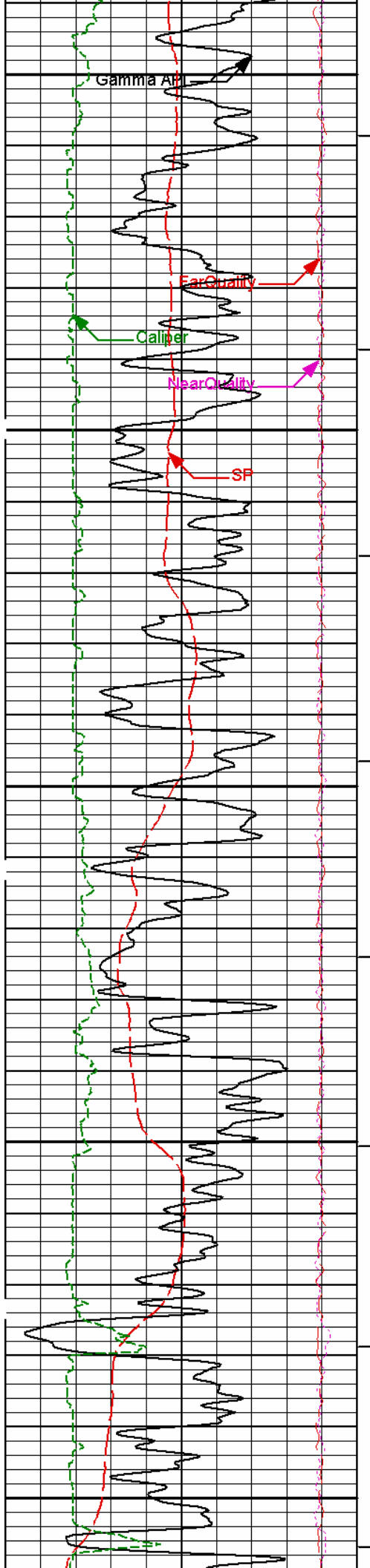






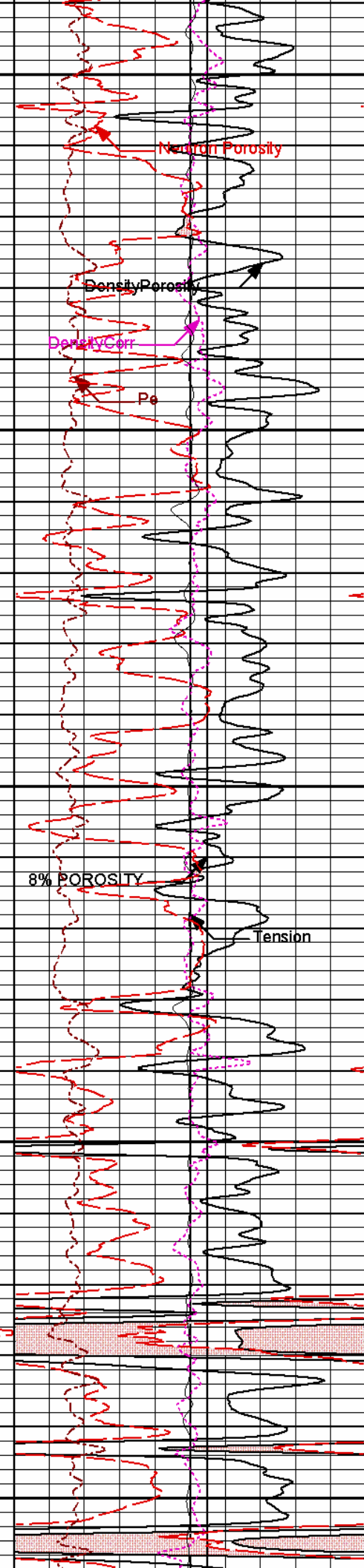
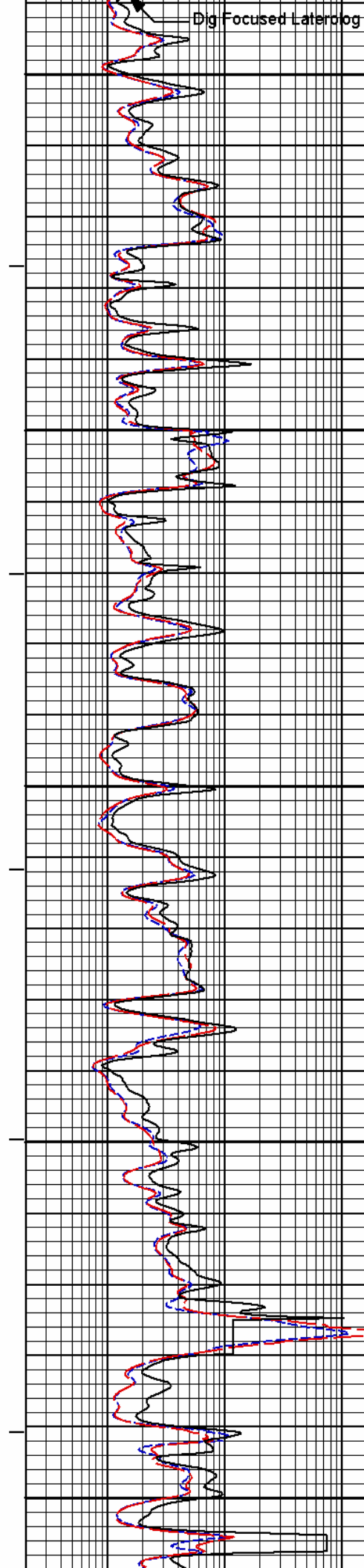


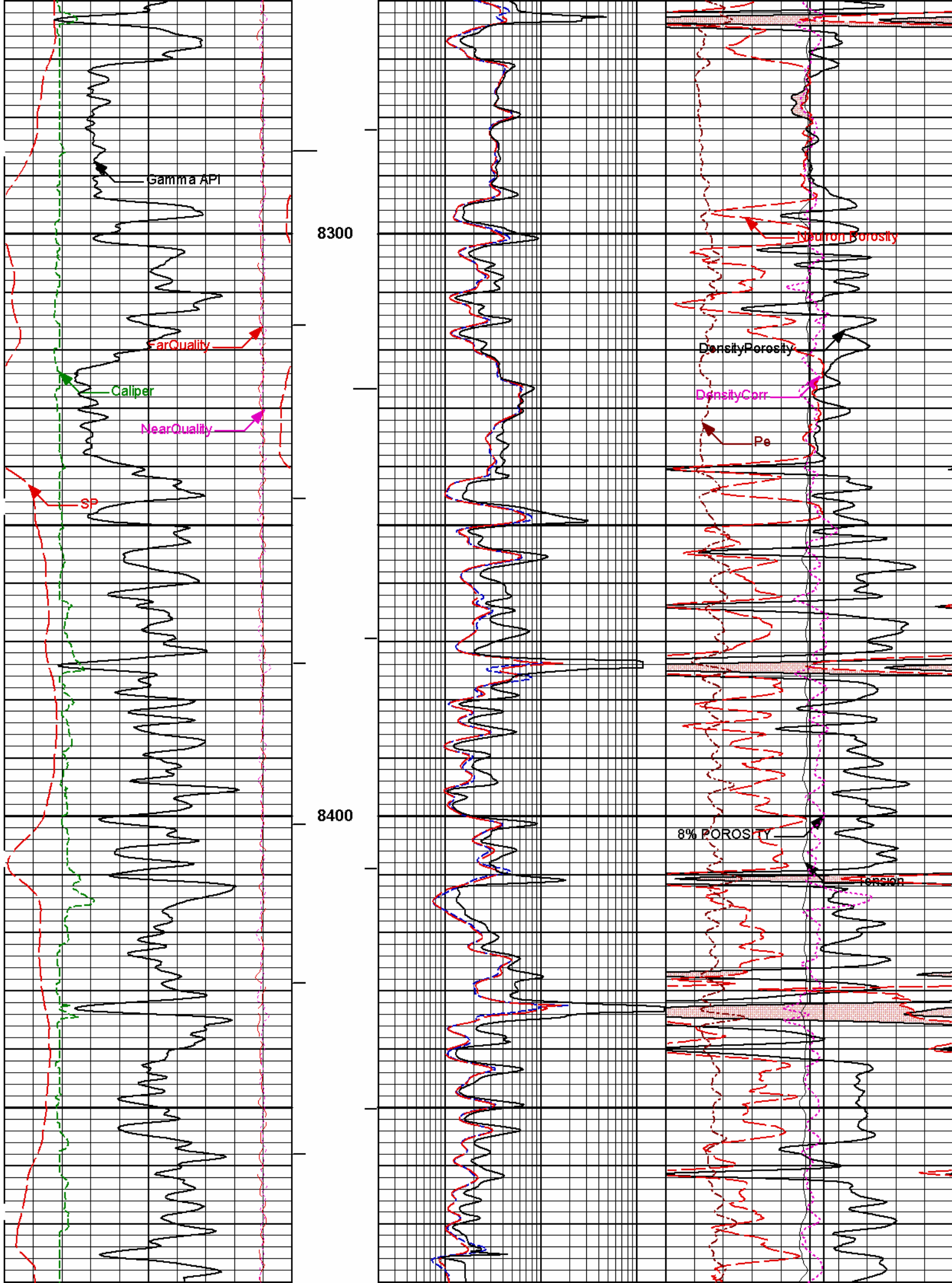


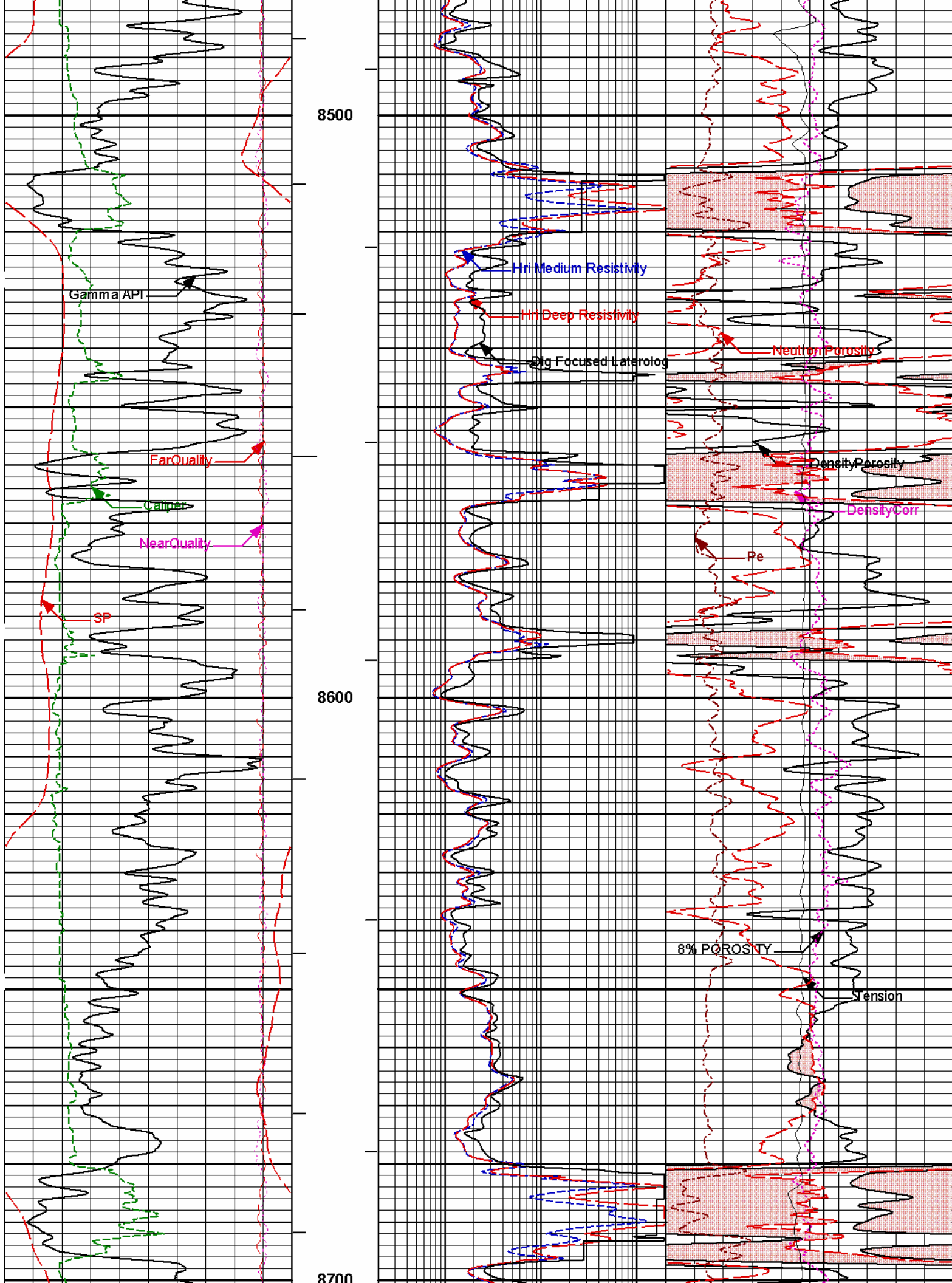


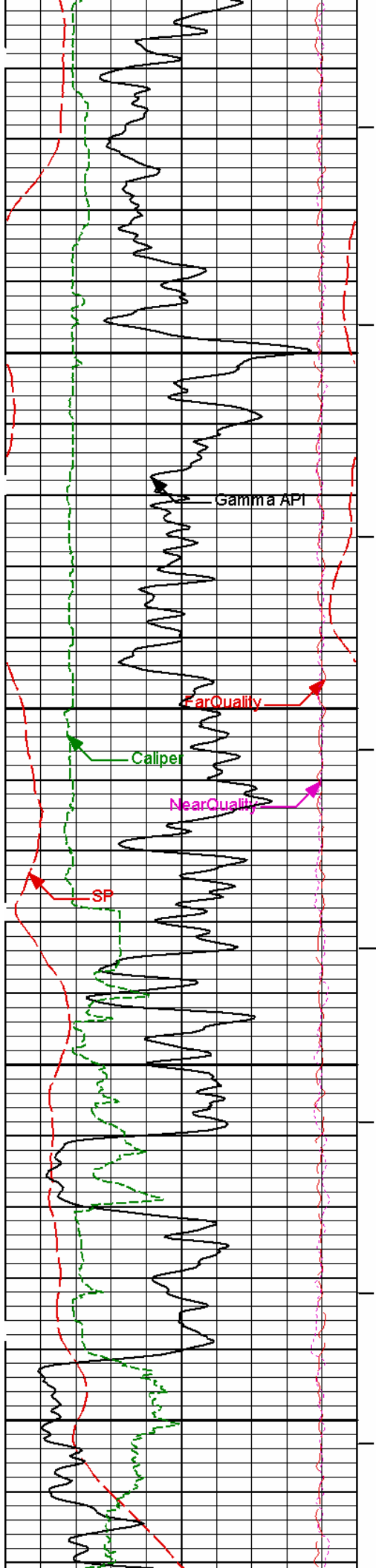
8100

8200



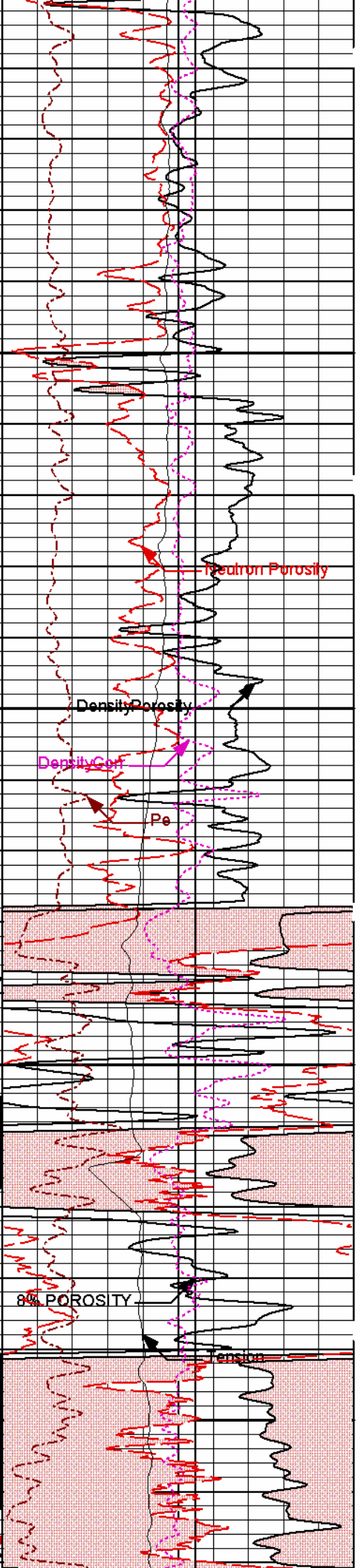
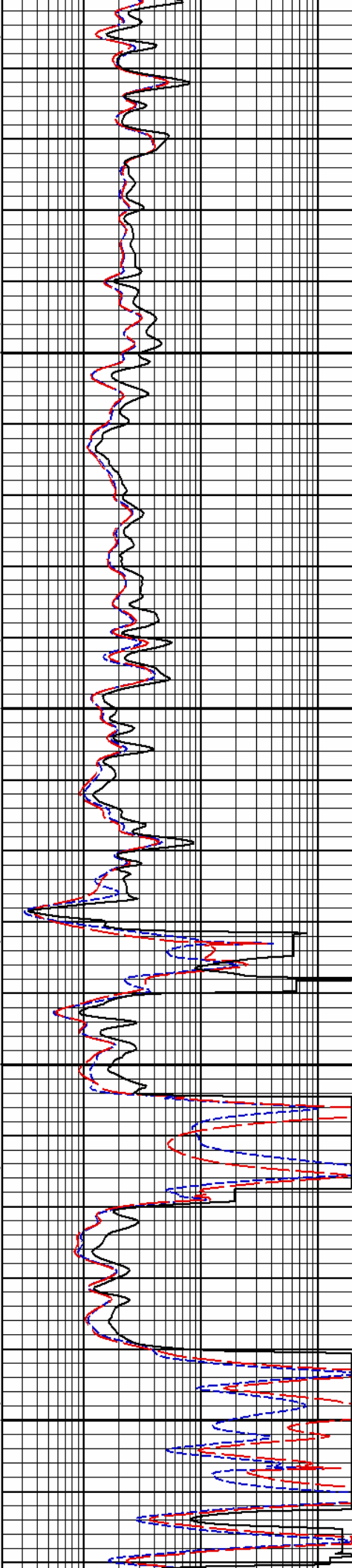


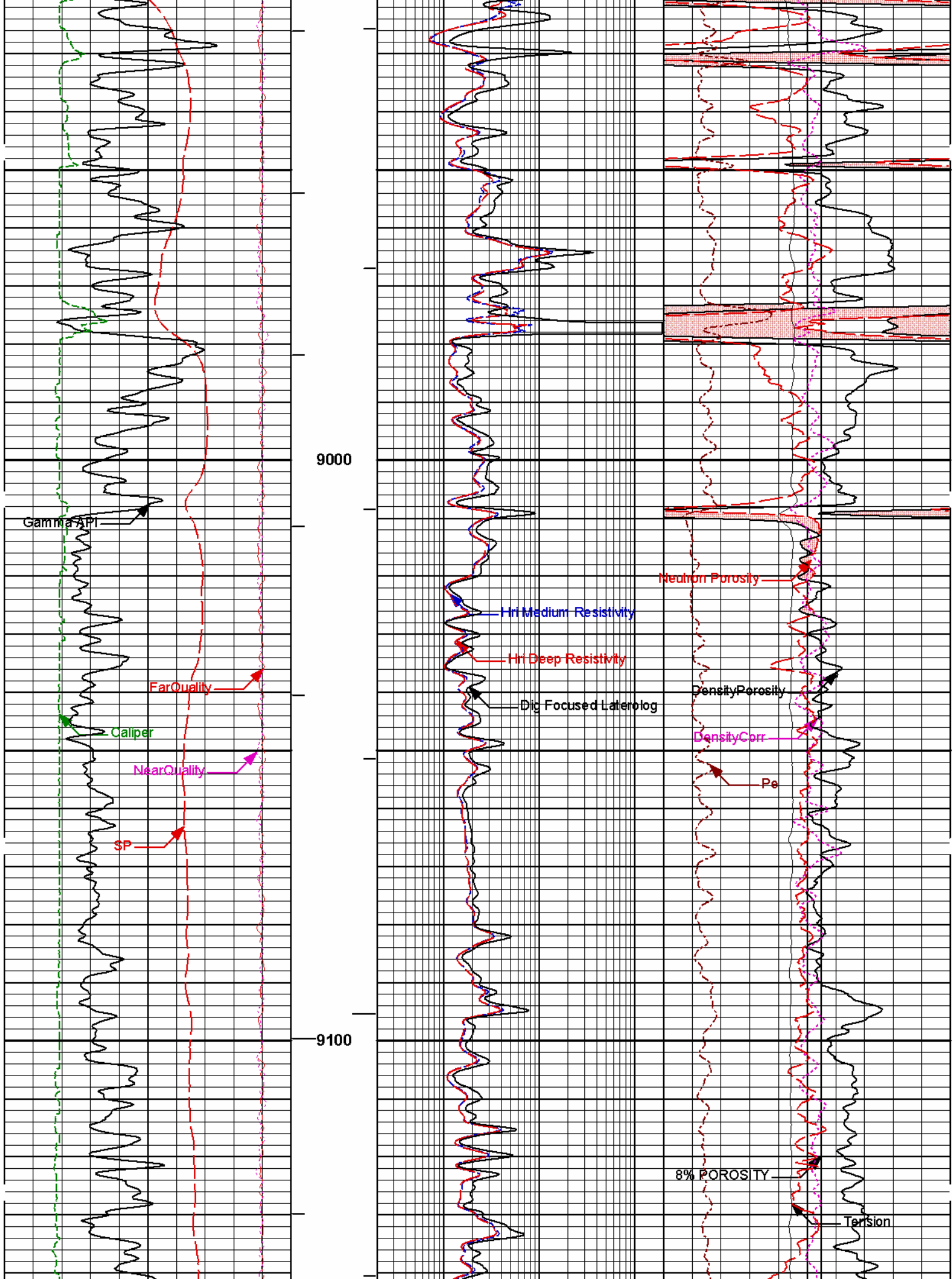


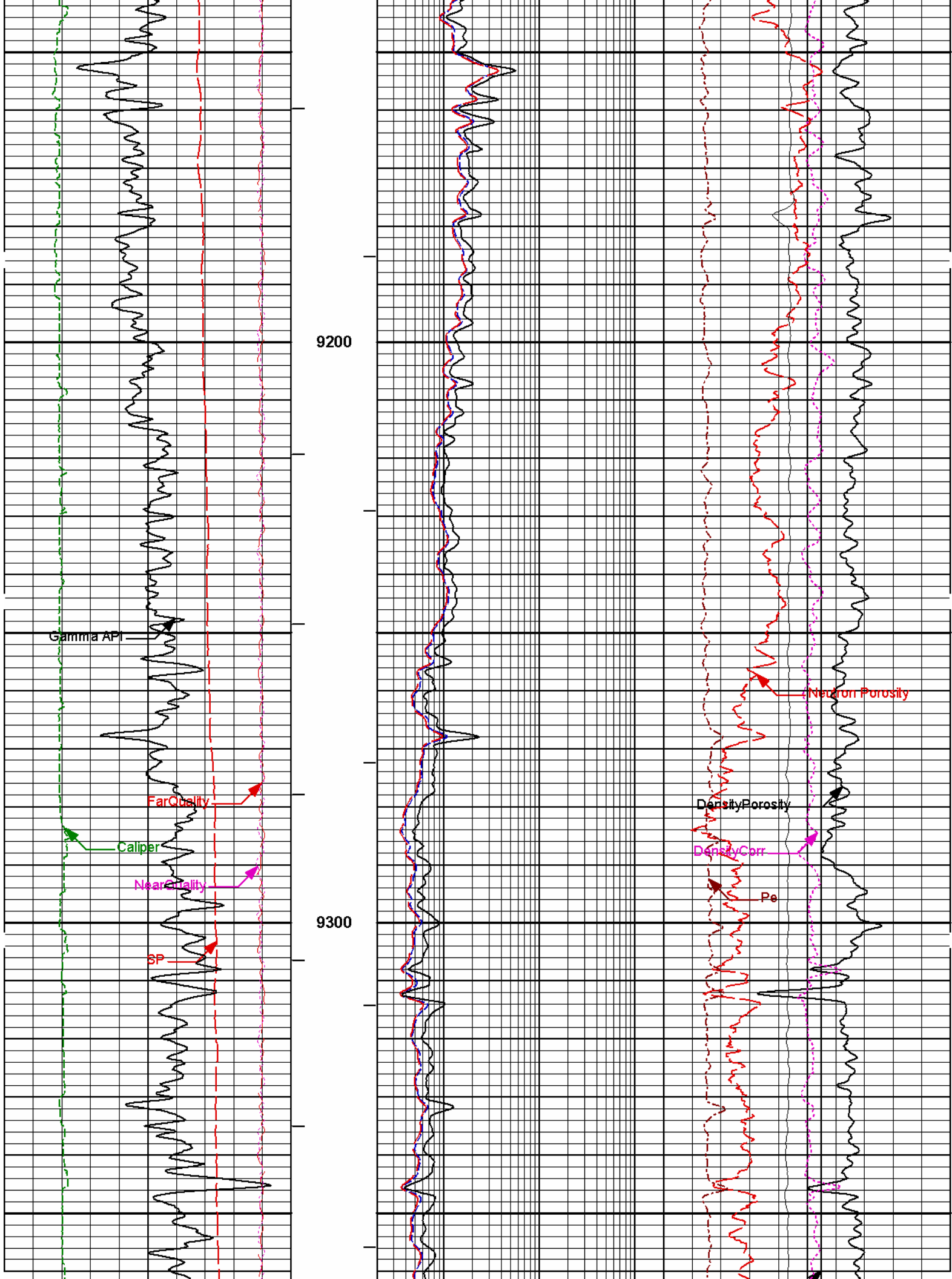


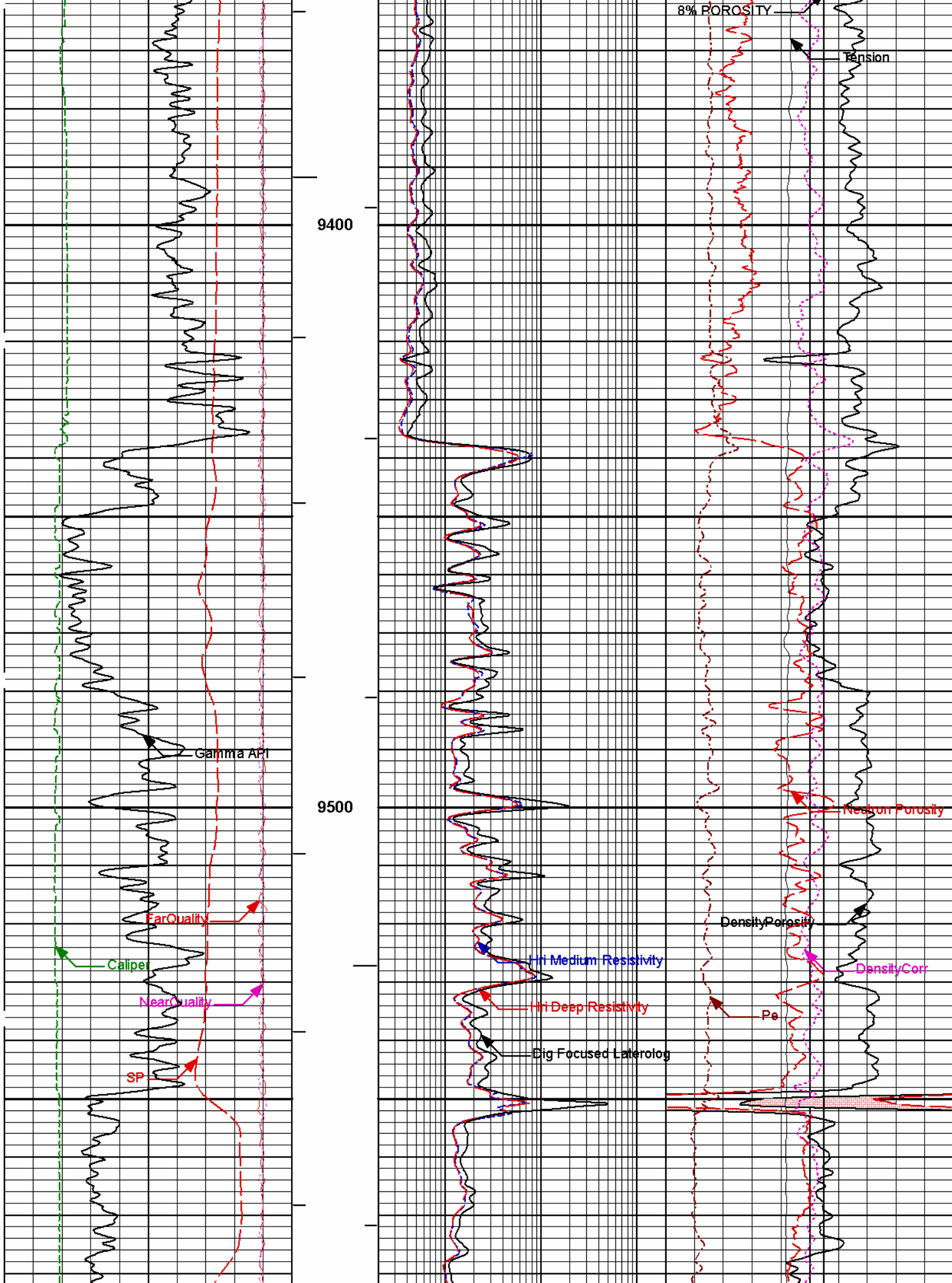
8800

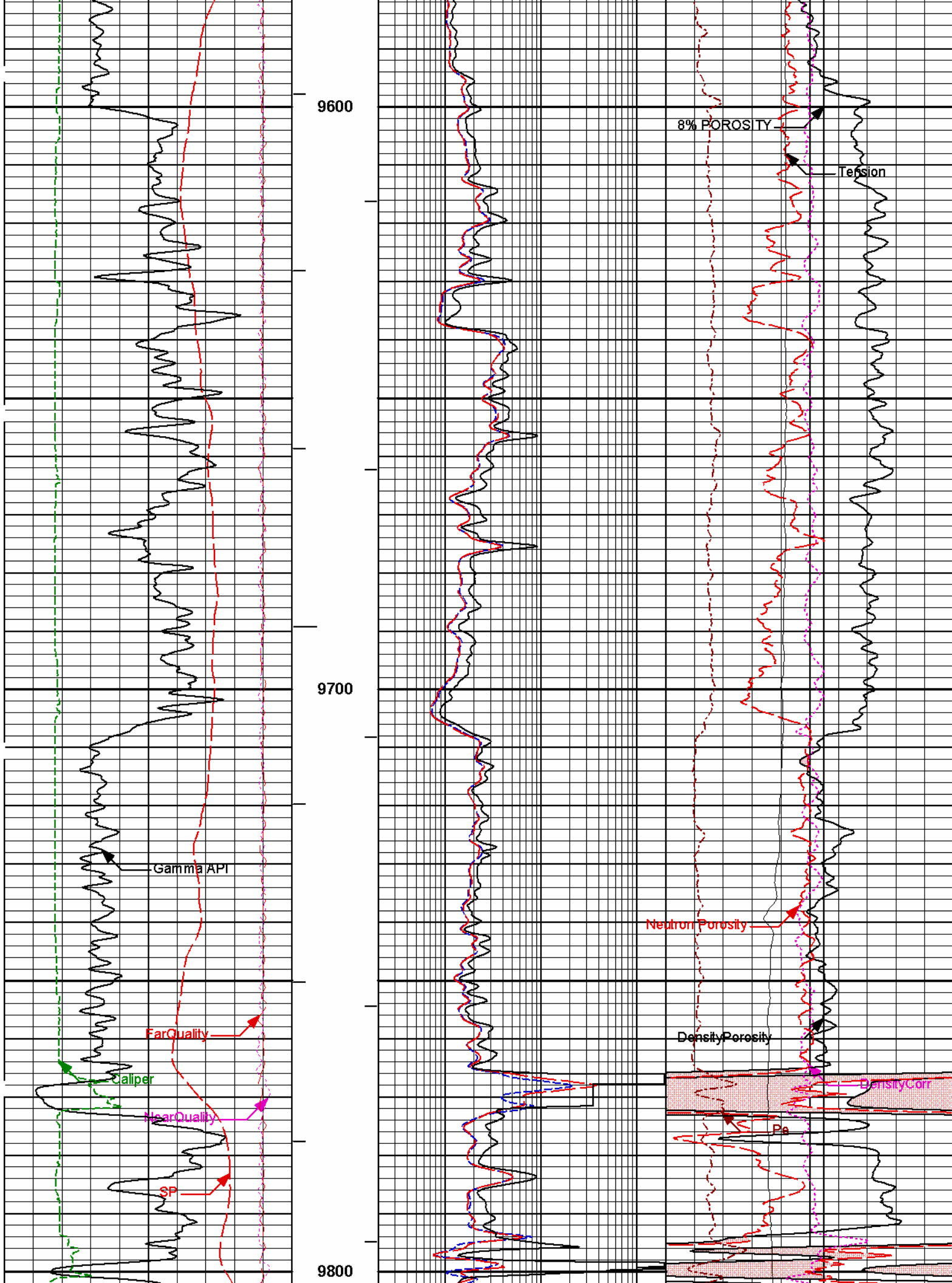
8900

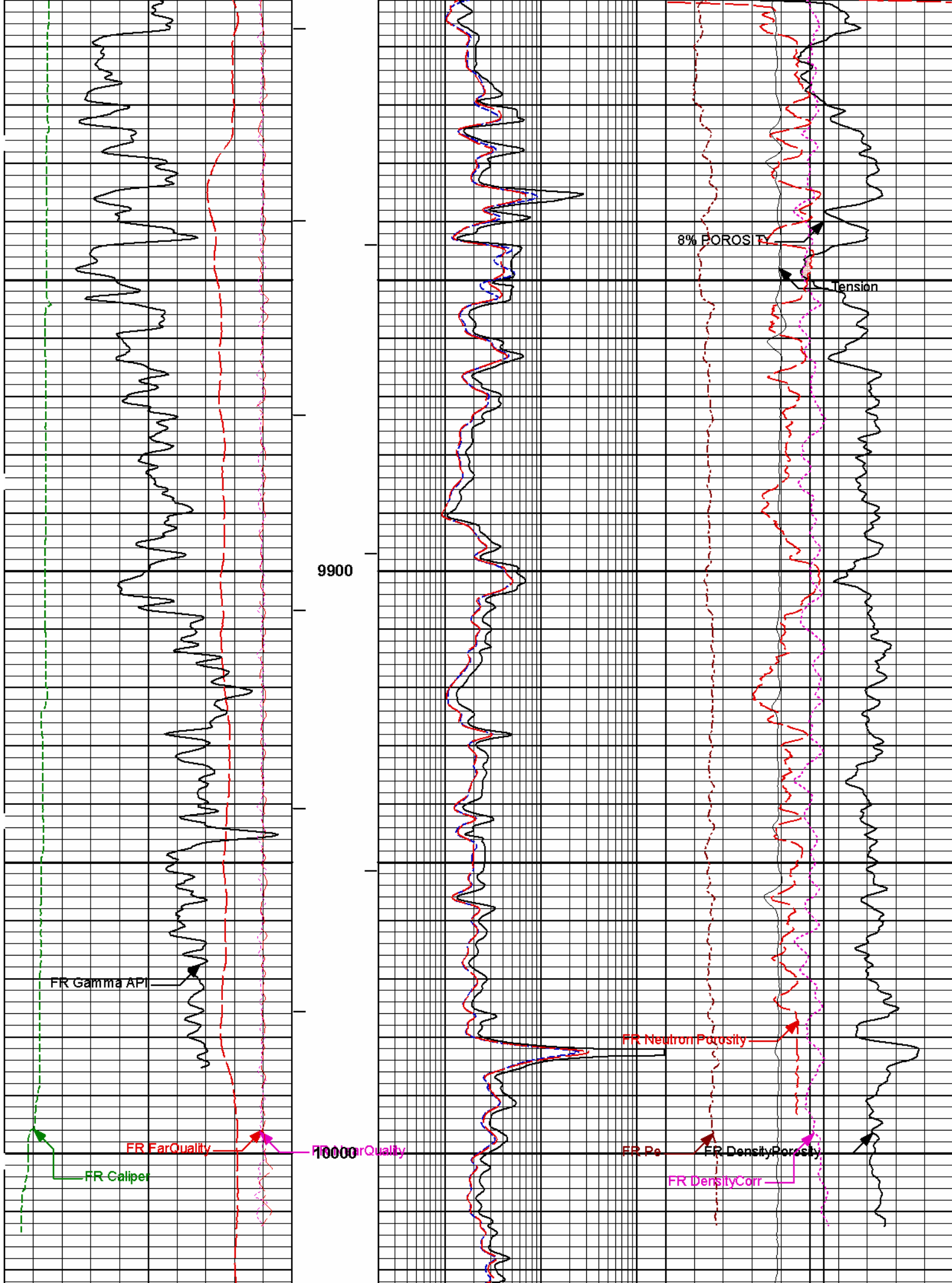


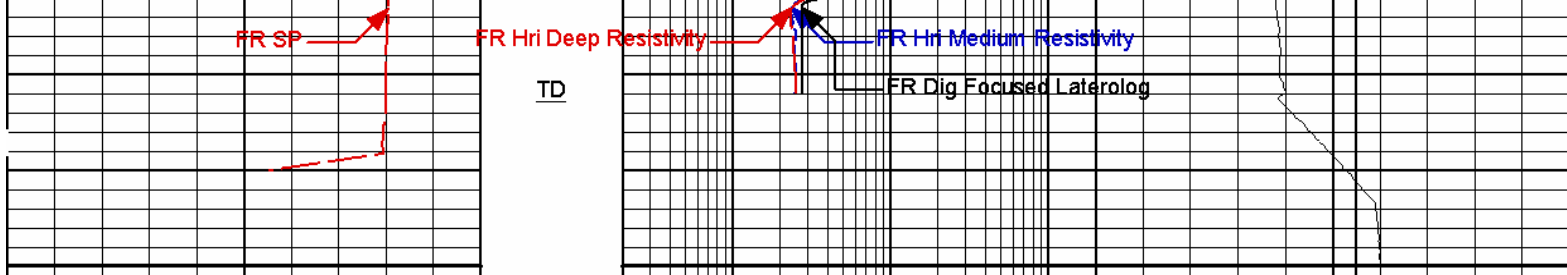








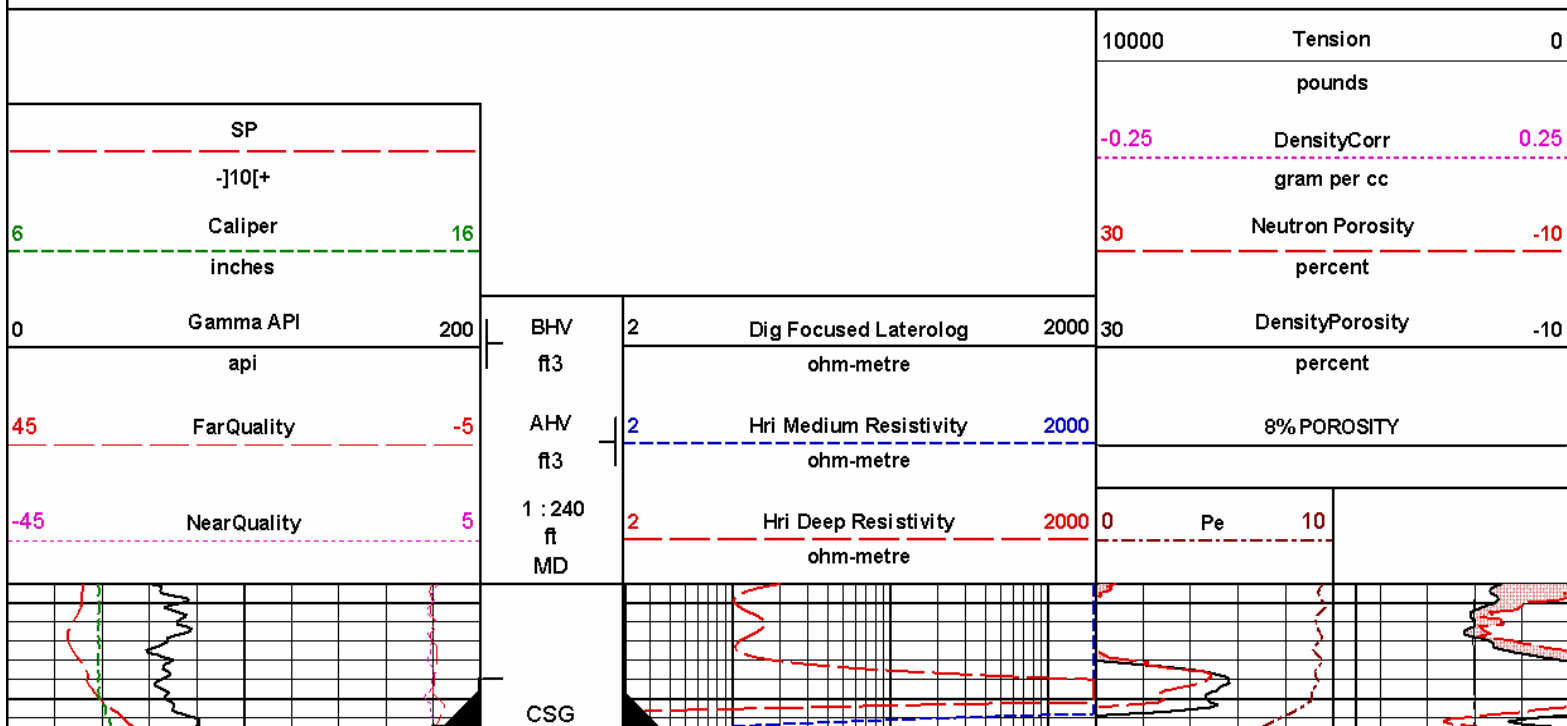


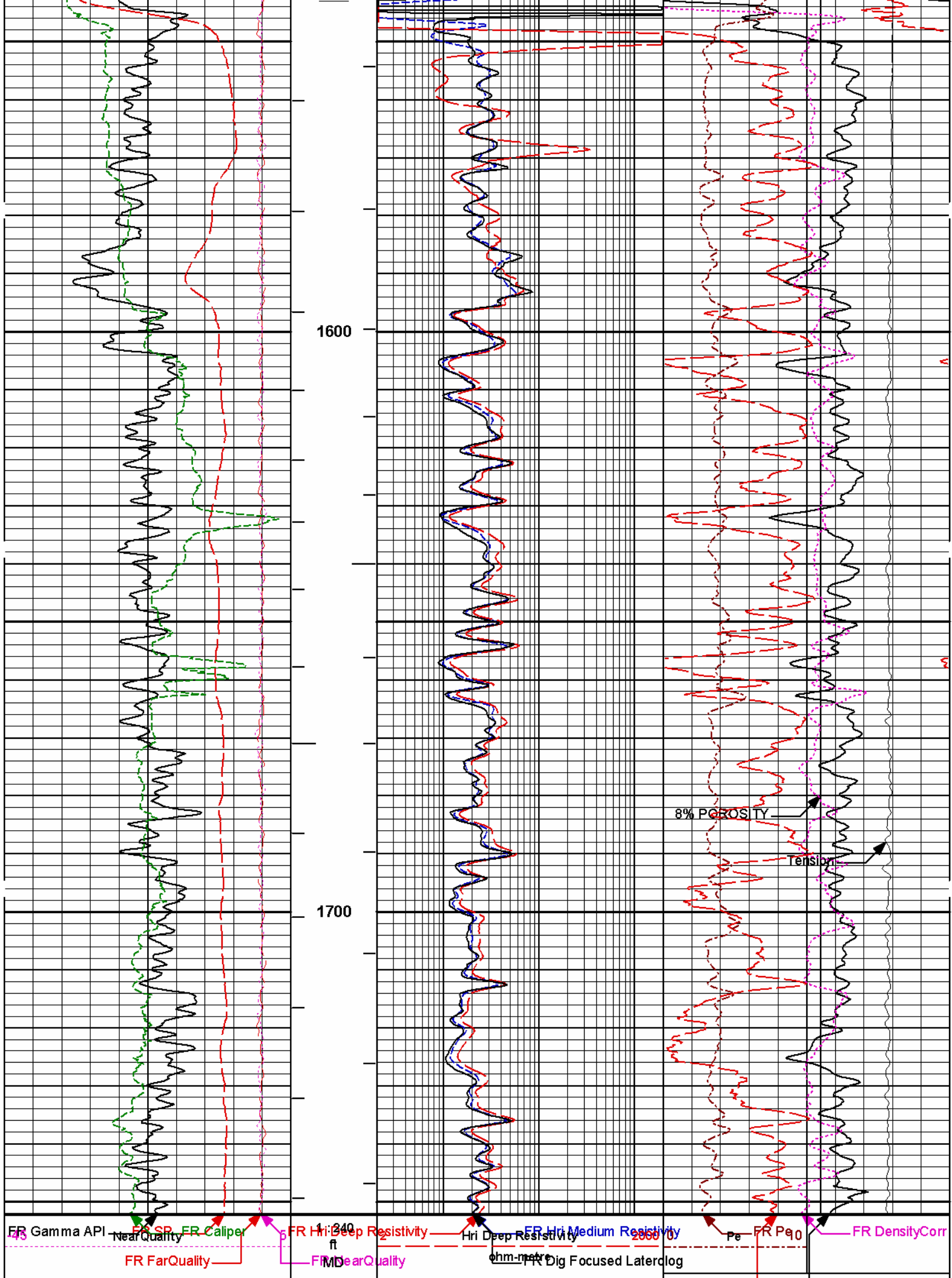


-45	NearQuality	5	1 : 240 ft MD	2	Hri Deep Resistivity	2000	0	Pe	10
					ohm-metre				
45	FarQuality	-5	AHV ft3	2	Hri Medium Resistivity	2000		8% POROSITY	
					ohm-metre				
0	Gamma API	200	BHV ft3	2	Dig Focused Laterolog	2000	30	DensityPorosity	-10
	api				ohm-metre			percent	
6	Caliper	16					30	Neutron Porosity	-10
	inches							percent	
	SP						-0.25	DensityCorr	0.25
	-]10[+							gram per cc	
							10000	Tension	0
								pounds	

MAIN PASS 5" = 100'

REPEAT PASS 5" = 100'





45	FarQuality	-5	AHV	2	Hri Medium Resistivity	2000	FR DensityPorosity	% POROSITY		
			ft3		ohm-metre		FR Neutron Porosity			
0	Gamma API	200	BHV	2	Dig Focused Laterolog	2000	30	DensityPorosity	-10	
	api		ft3		ohm-metre			percent		
6	Caliper	16					30	Neutron Porosity	-10	
	inches							percent		
	SP							-0.25	DensityCorr	0.25
	-]10[+								gram per cc	
								10000	Tension	0
								pounds		

REPEAT PASS 5" = 100'

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:	NGRT - A143_2	Reference Calibration Date:	10-Oct-08 17:52:46
Engineer:	E. KIND	Calibration Date:	10-Oct-08 17:55:26
Software Version:	WL INSITE R2.2 (Build 9)	Calibration Version:	1

Calibrator Source S/N: 10770395
Calibrator API Reference:262.00 api

Measurement	Measured	Calibrated	Units
Background	218.5	217.9	api
Background + Calibrator	481.2	479.9	api
Calibrator	261.4	262.0	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	NGRT - A143_2	Reference Calibration Date:	10-Oct-08 17:55:26
Engineer:	E. KIND	Calibration Date:	11-Oct-08 16:12:28
Software Version:	WL INSITE R2.2 (Build 9)	Calibration Version:	1

Calibrator Source S/N: 10770395
Calibrator API Reference:262.00 api

Field Verification	Shop	Field	Units
Background	217.9	49.7	api
Background + Calibrator	479.9	320.3	api
Calibrator	262.0	270.6	api

Shop	Field	Difference	Tolerance
262.0	270.6	-8.6	+/- 9.00

NATURAL GAMMA RAY TOOL POST CALIBRATION

Tool Name:	NGRT - A143_2	Reference Calibration Date:	11-Oct-08 16:12:28
Engineer:	T. MCKEE	Calibration Date:	11-Oct-08 21:54:32
Software Version:	WL INSITE R2.2 (Build 9)	Calibration Version:	1

Calibrator Source S/N: 10770395

Calibrator API Reference:262.00 api

Post Verification	Field	Post	Units
Background	49.7	43.8	api
Background + Calibrator	320.3	312.9	api
Calibrator	270.6	269.1	api

Shop	Field	Post	Difference	Tolerance
262.0	270.6	269.1	1.5	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION**Tool Name:** DSN_II - 108728_2**Reference Calibration Date:** 30-Aug-08 09:27:48**Engineer:** G. BOOK**Calibration Date:** 01-Oct-08 17:33:13**Software Version:** WL INSITE R2.2 (Build 9)**Calibration Version:** 1

Logging Source S/N: DSN-108

Calibrator Source S/N: CAL-10

Water Tank S/N: GJ_TANK

Water Tank Value: 52.750

Snow Block S/N: TRUCK_2

Calibration Tank Water Temperature: 77 degF

Min. Tool Housing Outside Diameter: 3.520 in

WATER TANK SUMMARY (Horizontal Water Tank)

Measurement	Measured	Calibrated	Units
Ratio	6.488	6.450	
Porosity	0.11853	0.11749	decP

SNOW BLOCK SUMMARY

Measurement	Measured	Calibrated	Units
Ratio	5.221	5.202	
Porosity	0.09896	0.10044	decP

DSN Sensitivity: 1.109

DUAL SPACED NEUTRON FIELD CALIBRATION**Tool Name:** DSN_II - 108728_2**Reference Calibration Date:** 01-Oct-08 17:33:13**Engineer:** E. KIND**Calibration Date:** 11-Oct-08 16:21:08**Software Version:** WL INSITE R2.2 (Build 9)**Calibration Version:** 1

Logging Source S/N: DSN-108

Calibrator Source S/N: CAL-10

Snow Block S/N: TRUCK_2

SNOW BLOCK SUMMARY

Measurement	Shop	Field	Units
Ratio	5.202	5.166	
Porosity	0.10044	0.09785	decP

DSN Sensitivity: 1.109

DUAL SPACED NEUTRON POST CALIBRATION**Tool Name:** DSN_II - 108728_2**Reference Calibration Date:** 11-Oct-08 16:21:08**Engineer:** T. MCKEE**Calibration Date:** 11-Oct-08 22:01:31

Logging Source S/N: DSN-108

Calibrator Source S/N: CAL-10

Snow Block S/N: TRUCK_2

SNOW BLOCK SUMMARY

Measurement	Field	Post	Units
Ratio	5.166	5.207	
Porosity	0.09785	0.09911	decg

DSN Sensitivity: 1.109

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name: SDL_DC - I458M069_2

Reference Calibration Date: 30-Aug-08 11:47:43

Engineer: G. BOOK

Calibration Date: 01-Oct-08 18:36:43

Software Version: WL INSITE R2.2 (Build 9)

Calibration Version: 1

Logging Source S/N: 3026GW

Aluminum Block S/N: 63094

Density: 2.610g/cc

Magnesium Block S/N: 63387

Density: 1.685g/cc

DENSITY CALIBRATION SUMMARY

Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0005	0.9838	0.85 - 1.15
Near Dens Gain	1.0203	0.9972	0.85 - 1.15
Near Peak Gain	0.9966	0.9842	0.85 - 1.15
Near Lith Gain	0.9776	0.9768	0.85 - 1.15
Far Bar Gain	1.0122	1.0063	0.85 - 1.15
Far Dens Gain	0.9989	0.9943	0.85 - 1.15
Far Peak Gain	0.9963	0.9907	0.85 - 1.15
Far Lith Gain	0.9841	0.9797	0.85 - 1.15
Near Bar Offset	0.1904	0.3493	NONE
Near Dens Offset	-0.0247	0.1900	NONE
Near Peak Offset	0.1792	0.2888	NONE
Near Lith Offset	0.4085	0.4165	NONE
Far Bar Offset	0.1562	0.2059	NONE
Far Dens Offset	0.2620	0.3016	NONE
Far Peak Offset	0.2641	0.3086	NONE
Far Lith Offset	0.2806	0.3114	NONE
Near Bar Background	1181.25	1179.72	700 - 1500
Near Dens Background	476.02	474.67	290 - 600
Near Peak Background	203.79	203.26	130 - 280
Near Lith Background	199.23	201.89	125 - 270
Far Bar Background	460.91	459.80	350 - 750
Far Dens Background	184.34	184.18	140 - 300
Far Peak Background	79.81	78.24	50 - 130
Far Lith Background	78.02	77.37	50 - 130

CALIBRATION BLOCK SUMMARY

Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				

Density (g/cc)	1.683	1.685	0.002	+/- 0.015
Pe	2.532	2.520	-0.012	+/- 0.150
ALUMINUM				
Density (g/cc)	2.609	2.610	0.001	+/- 0.01500
Pe	3.096	3.100	0.004	+/- 0.150

TOOL SUMMARY				
Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	0.0000	+/- 0.0110	-0.0068	+/- 0.0140
Magnesium Block	-0.0022	+/- 0.0110	-0.0073	+/- 0.0140
Aluminum Block	-0.0034	+/- 0.0110	0.0018	+/- 0.0140
Resolution	8.90	6.00 - 11.00	9.78	6.00 - 11.00
Internal Verifier(B+D+P+L)	2060	1250 - 2700	800	600 - 1300

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: SDL_DC - I458M069_2

Reference Calibration Date: 01-Oct-08 18:36:43

Engineer: E. KIND

Calibration Date: 11-Oct-08 16:12:15

Software Version: WL INSITE R2.2 (Build 9)

Calibration Version: 1

Aluminum Block S/N: 63094

Density: 2.610g/cc

Magnesium Block S/N: 63387

Density: 1.685g/cc

Pad Temperature: 50.5 degF

DENSITY FIELD CALIBRATION SUMMARY				
Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	2059.539	2049.969	-9.570	18.115
Far (B+D+P+L) cps	799.586	795.500	-4.086	15.664
Near Resolution	8.90	8.92	0.020	0.50
Far Resolution	9.94	9.78	0.160	1.00

PASS/FAIL SUMMARY	
Bkg Quality Check:	Passed
Bkg Resolution Check:	Passed
Bkg Verification Check:	Passed

SPECTRAL DENSITY POST CHECK

Tool Name: SDL_DC - I458M069_2

Reference Calibration Date: 11-Oct-08 16:12:15

Engineer: T. MCKEE

Calibration Date: 11-Oct-08 21:52:09

Software Version: WL INSITE R2.2 (Build 9)

Calibration Version: 1

Aluminum Block S/N: 63094

Density: 2.610g/cc

Magnesium Block S/N: 63387

Density: 1.685g/cc

DENSITY POST CALIBRATION SUMMARY

Measurement	Field	Post	Change	Control Limit +/-
Near (B+D+P+L) cps	2049.969	2057.090	7.121	20.135
Far (B+D+P+L) cps	795.500	799.557	4.057	16.923
Near Resolution	8.92	8.93	0.010	0.50
Far Resolution	9.86	9.94	-0.080	1.00

PASS/FAIL SUMMARY

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

CALIPER SHOP CALIBRATION

Tool Name:	SDL_DC - I458M069_2	Reference Calibration Date:	01-Oct-08 18:55:24
Engineer:	T. MCKEE	Calibration Date:	05-Oct-08 13:37:06
Software Version:	WL INSITE R2.2 (Build 9)	Calibration Version:	1

MEASURED CALIPER RINGS

Measurement	Current Reading (Previous Coeff.)	Calibrated (New Coeff.)	Change
RING DIAMETER:			
Ring #1 (in)	6.87	6.50	0.37
Ring #2 (in)	13.95	13.81	0.14

CALIPER FIELD CALIBRATION

Tool Name:	SDL_DC - I458M069_2	Reference Calibration Date:	05-Oct-08 13:37:06
Engineer:	E. KIND	Calibration Date:	11-Oct-08 16:14:32
Software Version:	WL INSITE R2.2 (Build 9)	Calibration Version:	1

MEASURED CALIPER RINGS

Measurement	Shop	Field	Change	Control Limit On New Value
Ring #1 (in)	6.87	6.61	-0.26	+/- 0.50

PASS/FAIL SUMMARY

Ring #1 Check:	Passed
----------------	--------

CALIPER POST CALIBRATION

Tool Name:	SDL_DC - I458M069_2	Reference Calibration Date:	11-Oct-08 16:14:32
Engineer:	T. MCKEE	Calibration Date:	11-Oct-08 21:53:56
Software Version:	WL INSITE R2.2 (Build 9)	Calibration Version:	1

MEASURED CALIPER RING

Measurement	Field	Post	Change	Control Limit On New Value
Ring #1 (in)	6.61	6.28	-0.33	+/- 0.50

PASS/FAIL SUMMARY

Ring #1 Check:	Passed
----------------	--------

HIGH RESOLUTION INDUCTION SHOP CALIBRATION

Tool Name:	HRID - I91S0285	Reference Calibration Date:	25-Jul-08 14:57:56
Engineer:	J. GEISER	Calibration Date:	17-Sep-08 11:42:05
Software Version:	WL INSITE R2.2 (Build 9)	Calibration Version:	1

HIGH RESOLUTION INDUCTION SHOP CALIBRATION SUMMARY

TEST LOOP RESPONSE

1 - Test Loop Closed	Measured Signal		Nominal		Units
	R	X	R	X	
HRD	1976	1972	1976	1972	MMHOS
HRM	2838	2832	2838	2832	MMHOS
2 - Test Loop Off(Sonde Error)	Measured Signal		Nominal		Units
	R	X	R	X	
HRD	-4	-29	+/- 15	+/- 100	MMHOS
HRM	-11	-81	+/- 15	+50/-150	MMHOS

ELECTRONICS RELATIVE GAIN

	Set		Nominal	
	Magnitude	Phase	Magnitude	Phase
HRD	1.01	-1.26	1. +/- .1	0. +/- 5
HRM	1.01	-1.36	1. +/- .1	0. +/- 5
Temperature at time of calibration:		73.76	degF	

***** NOTICE *****

THE HIGH RESOLUTION INDUCTION TOOL (HRID) IS A CONTINUAL SELF-CALIBRATING TOOL. DURING LOGGING, THE TOOL CONSTANTLY SELF-UPDATES ITS COEFFICIENTS, THE SHOP CALIBRATION IS PERFORMED UNDER VERY STRINGENT CONDITIONS. SINCE THE TOOL IS SELF-CALIBRATING DURING LOGGING, FIELD AND POST CALIBRATIONS ARE NOT AVAILABLE OR NECESSARY FOR THE HRID TOOL.

CALIBRATION SUMMARY

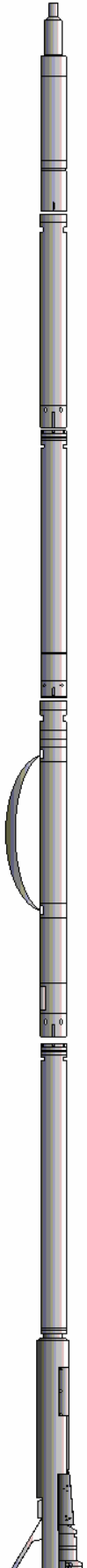
Sensor	Shop	Field	Post	Difference	Tolerance	Units
NGRT-A143_2						
Gamma Ray Calibrator	262.0	270.6	269.1	1.5	+/- 9.00	api
DSN_II-108728_2						
Snow Block Porosity	0.10044	0.09785	0.09911	-0.00126	+/- 0.00900	decP
SDL_DC-I458M069_2						
Near(B+D+P+L)	2059.539	2049.969	2057.090	-7.121	+/-20.135	cps
Far(B+D+P+L)	799.586	795.500	799.557	-4.057	+/-16.923	cps
Ring #1	6.50	6.61	6.28	0.33	+/-0.500	in
Data: LAR_FED_29_13B\0001 TRIPLE_NGRT\IDLE				Date: 11-Oct-08 22:03:07		

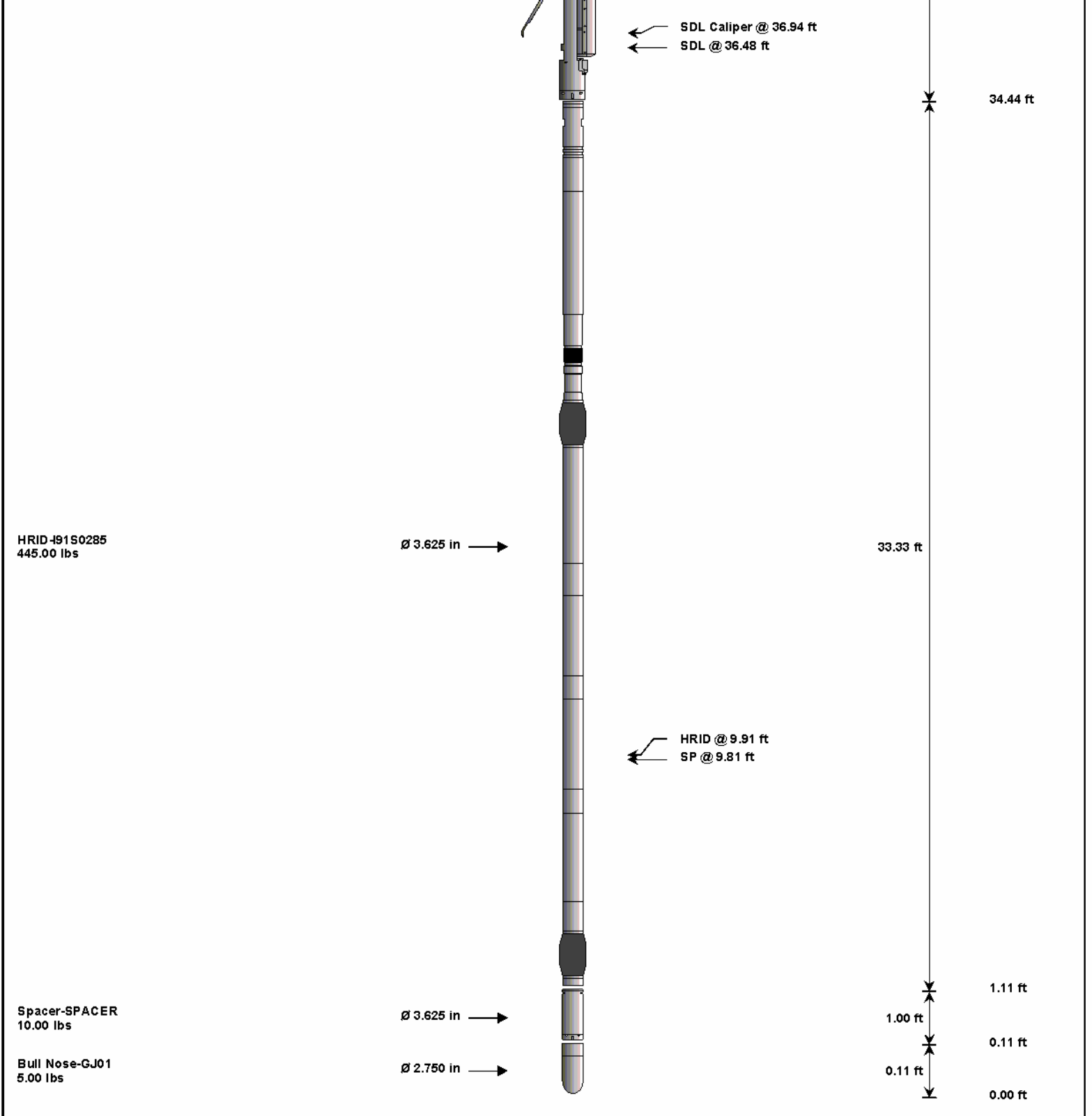
HALLIBURTON

CUSTOMER EVENT LOG


Event Type	Time & Date	Depth (ft)	Event Description
	11-Oct-08 16:53:19	413.00	Logging 001 11-Oct-08 16:53 Dn @415.5f
	11-Oct-08 16:56:45	1503.80	Halting 001 11-Oct-08 16:53 Dn @415.5f
	11-Oct-08 17:03:55	1852.25	Logging 002 11-Oct-08 17:03 Up @1852.3f
	11-Oct-08 17:13:26	1379.59	Halting 002 11-Oct-08 17:03 Up @1852.3f
	11-Oct-08 17:16:50	1953.50	Logging 003 11-Oct-08 17:16 Dn @1956.8f
	11-Oct-08 17:56:06	9989.68	Halting 003 11-Oct-08 17:16 Dn @1956.8f
	11-Oct-08 17:59:48	10049.25	Logging 004 11-Oct-08 17:59 Up 10050.8f
	11-Oct-08 18:48:19	7349.62	Halting 004 11-Oct-08 17:59 Up 10050.8f
	11-Oct-08 18:51:43	7800.50	Logging 005 11-Oct-08 18:51 Up @7800.5f
	11-Oct-08 20:27:49	1852.00	Relogging 002.01 11-Oct-08 20:25 Up
	11-Oct-08 20:28:12	1377.23	Halting 002.01 11-Oct-08 20:25 Up
	11-Oct-08 21:04:22	175.47	Halting 005 11-Oct-08 18:51 Up @7800.5f

HALLIBURTON**TOOL STRING DIAGRAM REPORT**

Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
RWCH-10763226 135.00 lbs	Ø 3.625 in →		← Load Cell @ 81.19 ft ← BH Temperature @ 80.62 ft	6.25 ft	84.87 ft
D4TS-109040GJ 100.00 lbs	Ø 3.625 in →			6.50 ft	78.62 ft
NGRT-A143_2 176.00 lbs	Ø 3.625 in →		← GammaRay @ 65.45 ft	8.00 ft	72.12 ft
DSN_II-108728_2 195.80 lbs	Ø 3.625 in →		← Neutron Porosity @ 55.77 ft	10.25 ft	64.12 ft
SDL_DC-I458M069_2 420.00 lbs	Ø 4.500 in →			19.43 ft	53.87 ft



Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
RWCH	Releasable Wireline Cable Head	10763226	135.00	6.25	78.62	300.00
D4TS	DITS 4 Telemetry Sub	109040GJ	100.00	6.50	72.12	300.00
NGRT	Natural Gamma Ray Tool	A143_2	176.00	8.00	64.12	60.00
DSN_II	Dual Spaced Neutron-II Tool	108728_2	195.80	10.25	53.87	60.00
SDLD	SDL (D) with (C) Mandrel w/ EVR	I458M069_2	420.00	19.43	34.44	60.00
HRID	High Resolution Induction Tool Dits	I91S0285	445.00	33.33	1.11	100.00
SP	SP Ring	PROTO1	0.00	0.00	*	9.81
SPC	Test	SPACER	10.00	1.00	0.11	100.00
BLNS	Bull Nose	GJ01	5.00	0.11	0.00	300.00

COMPANY	LARAMIE ENERGY II, LLC EBUSINESS		
WELL	FEDERAL 29-13B		
FIELD	RULISON		
COUNTY	GARFIELD	STATE	CO
		HIGH RES. INDUCTION SPECTRAL DENSITY DUAL SPACED NEUTRON	