

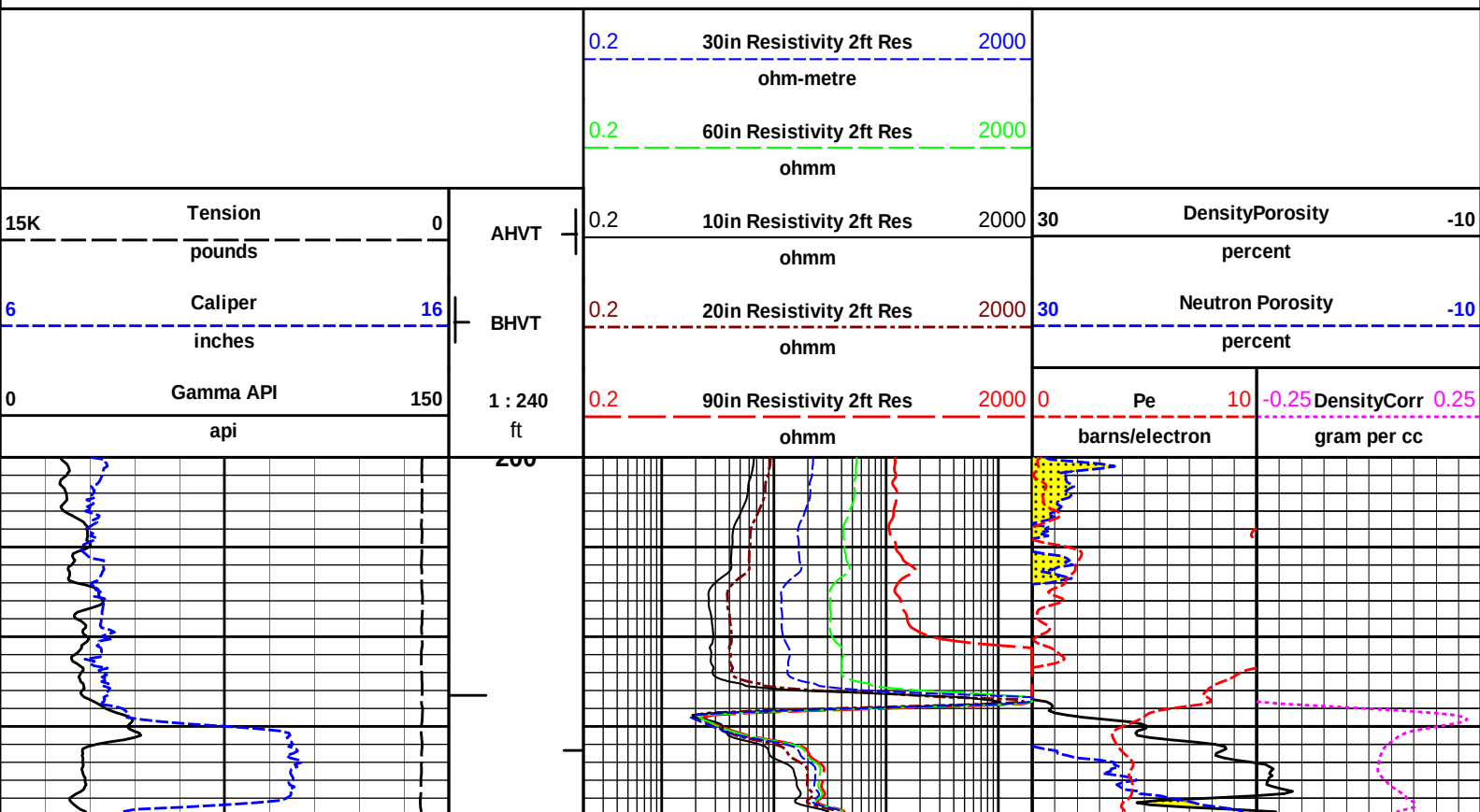
COMPANY		TAOS RESOURCESOPERATING COMPANY	
WELL		WEST MADDIX UNIT #11	
FIELD/BLOCK		WEST MADDIX	
COUNTY		COWLEY	
STATE		KANSAS	
Permanent Datum		GL	
Log measured from		KB	
Drilling measured from		KB	
Date		04-Oct-13	
Run No.		1	
Depth - Driller		3610.00 ft	
Depth - Logger		3604.0 ft	
Bottom - Logged Interval		3598	
Top - Logged Interval		229	
Casing - Driller		8.625 in @ 224.0 ft	
Casing - Logger		229.0 ft @	
Bit Size		7.875 in @	
Type Fluid in Hole		WBM	
Density		9.3 ppg 50.00 s/qt	
PH		11.50 pH 9.0 cp/m	
Source of Sample		FLOWLINE	
Rm @ Meas. Temperature		0.907 ohmm @ 85.00 degF @	
Rmf @ Meas. Temperature		0.73 ohmm @ 85.00 degF @	
Rmc @ Meas. Temperature		1.043 ohmm @ 85.00 degF @	
Source Rmf		CALC	
Rm @ BHT		0.68 ohmm @ 115.0 degF @	
Time Since Circulation		6.0 hr	
Time on Bottom		04-Oct-13 04:27	
Max. Rec. Temperature		115.0 degF @ 3604.0 ft @	
Equipment		786	
Recorded By		HOFKAMP	
Witnessed By		M. SEELY	

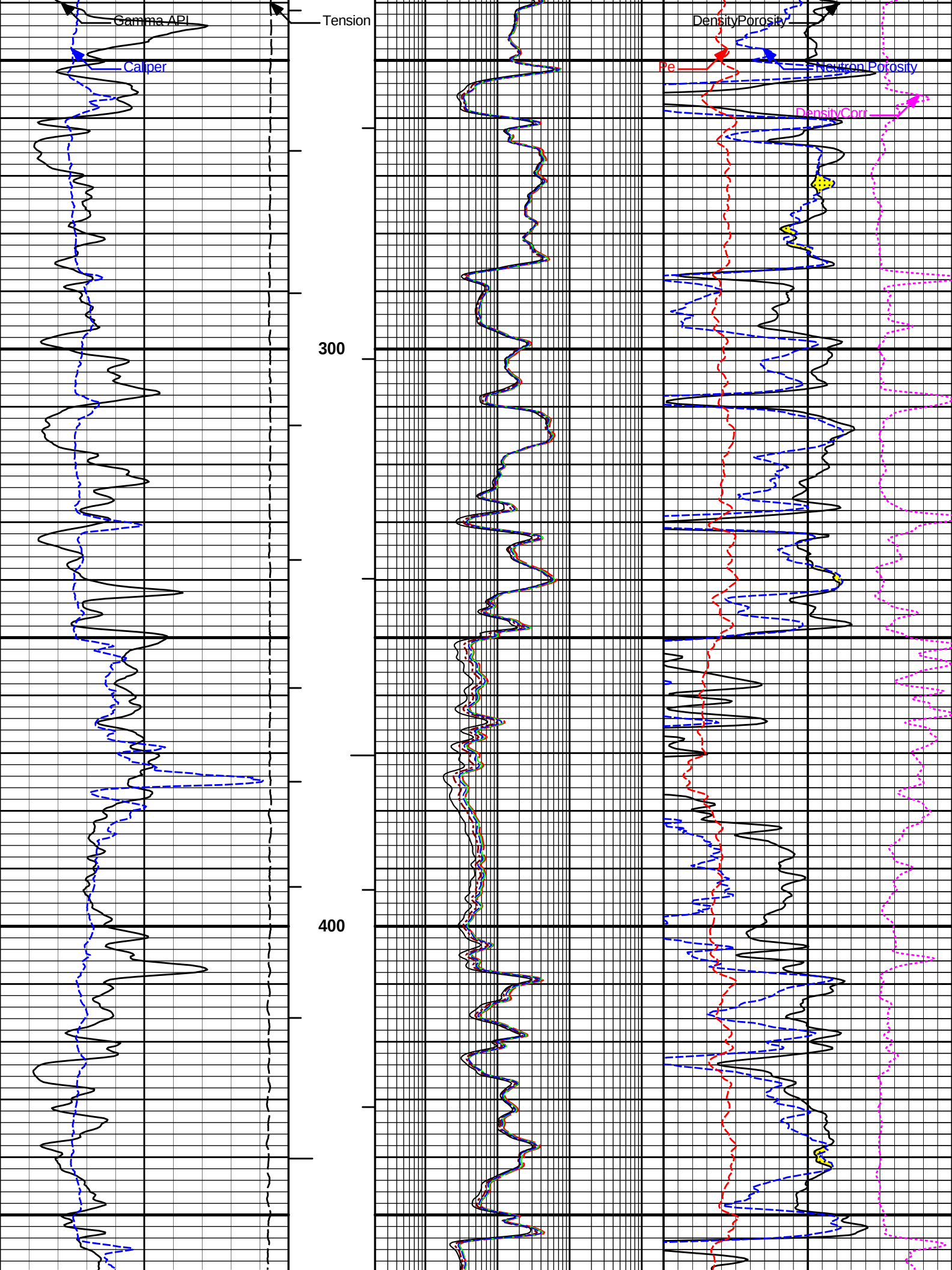
COMPANY	TAOS RESOURCESOPERATING COMPANY
WELL	WEST MADDIX UNIT #11
FIELD/BLOCK	WEST MADDIX
COUNTY	COWLEY
STATE	KANSAS
API No.	15-035-24521
Location	(SHL) 5115' FSL & 1155' FEL NW NW NE NE
Sect.	3
Twp.	33 S
Rge.	5 E
Other Services:	ACRT SDLT / DST

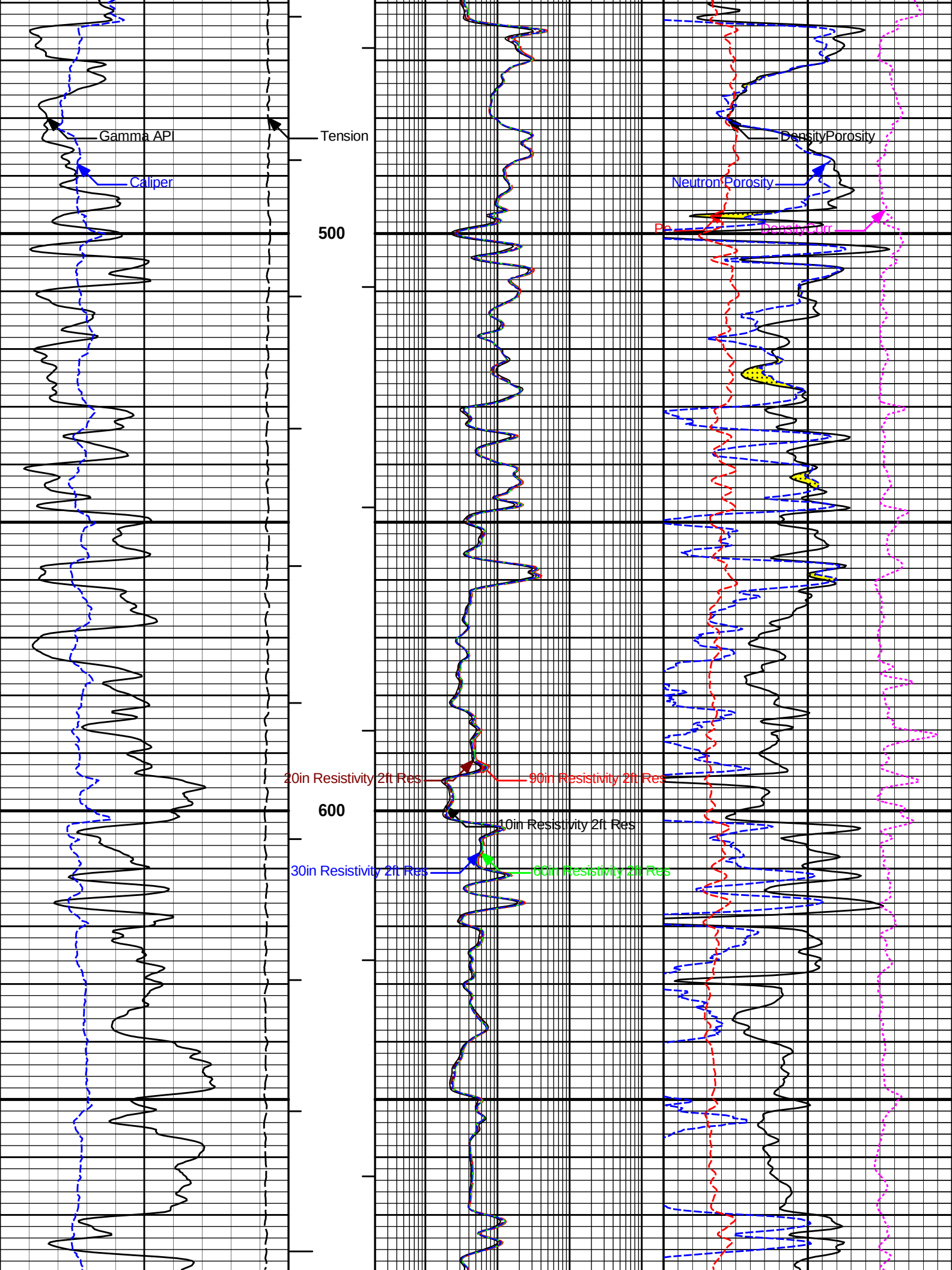
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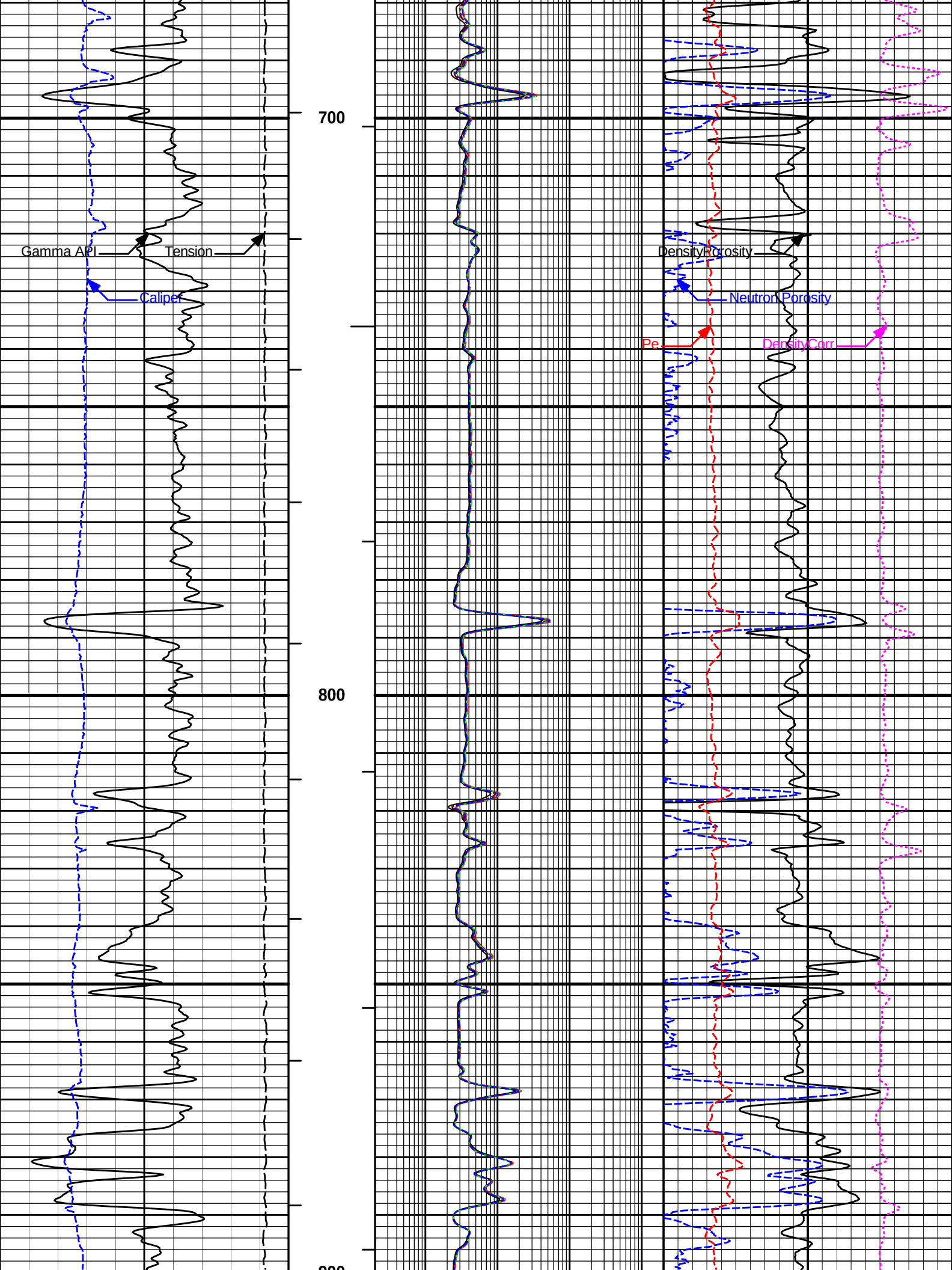
Service Ticket No.: 900735969				API Serial No.: 15-035-24521				PGM Version: WL INSITE R3.8.10 (Build 5)							
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE						RESISTIVITY SCALE CHANGES									
Date		Sample No.				Type Log		Depth		Scale Up Hole		Scale Down Hole			
Depth-Driller															
Type Fluid 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.		@		@											
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.		10957072		Serial No.				Serial No.		10948154		Serial No.		10958654	
Model No.		GTET		Model No.				Model No.		SDLT		Model No.		DSNT	
Diameter		3.625"		No. of Cent.				Diameter		4.5"		Diameter		3.625"	
Detector Model No.		A-102T		Spacing				Log Type		GAM-GAM		Log Type		NEU-NEU	
Type		SCINT						Source Type		Cs 137		Source Type		Am 241 Be	
Length		8"		LSA [Y/N]				Serial No.		20784B		Serial No.		DSN 373	
Distance to Source		N/A		FWDA [Y/N]				Strength		1.5 Ci		Strength		15 Ci	
LOGGING DATA															

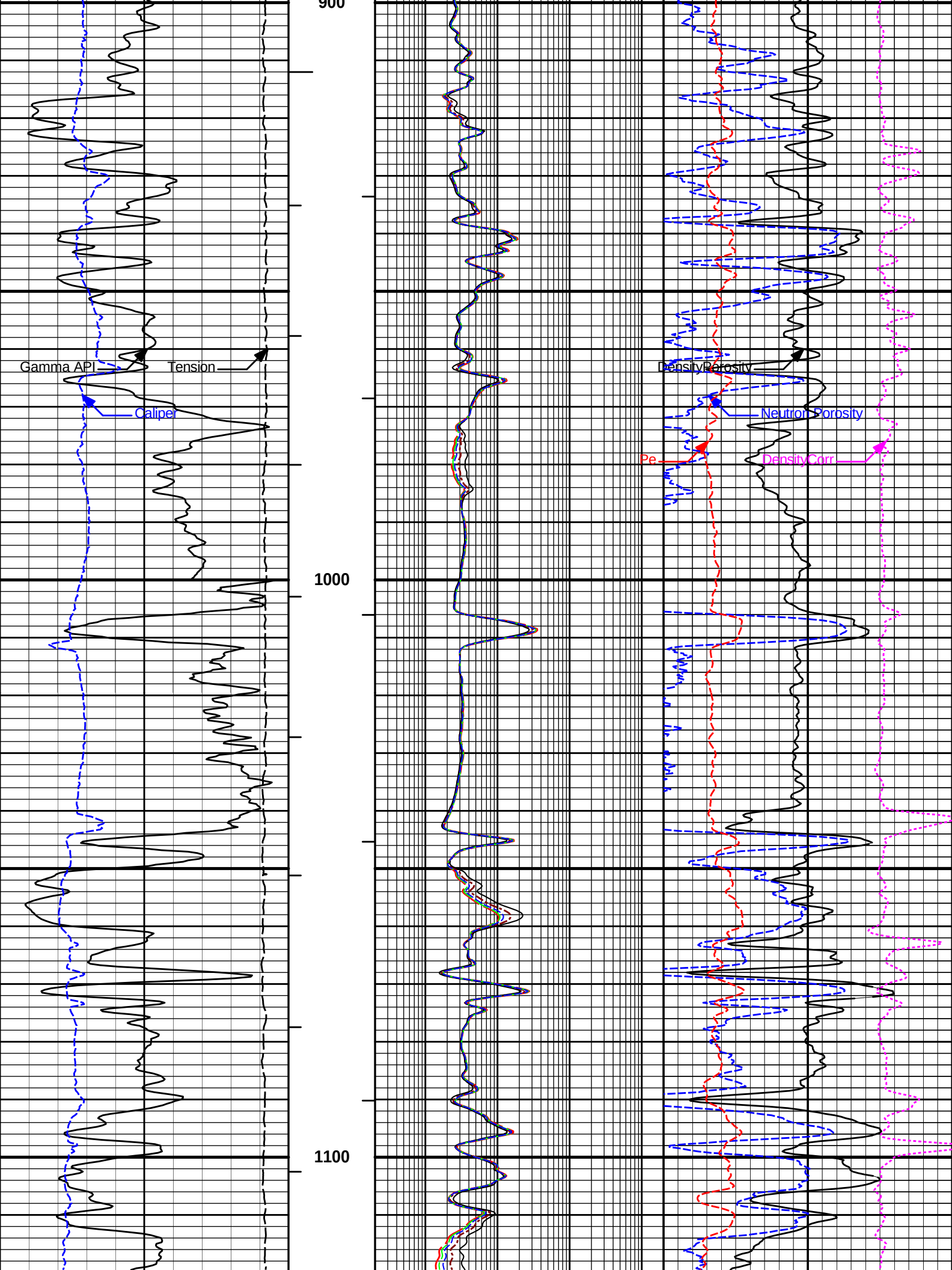
GENERAL				GAMMA		ACOUSTIC			DENSITY			NEUTRON		
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	TD	CSG	REC	0	150				30	-10	2.71 gm/cc	30	-10	LIME
DIRECTIONAL INFORMATION														
Maximum Deviation @								KOP @						
Remarks:														
ANNULAR HOLE VOLUME CALCULATED FOR 5.5-INCH CASING														
CREW: HOFKAMP,PHELAN, WILLIAMS														
THANK YOU FOR USING HALLIBURTON ENERGY SERVICES														
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.														
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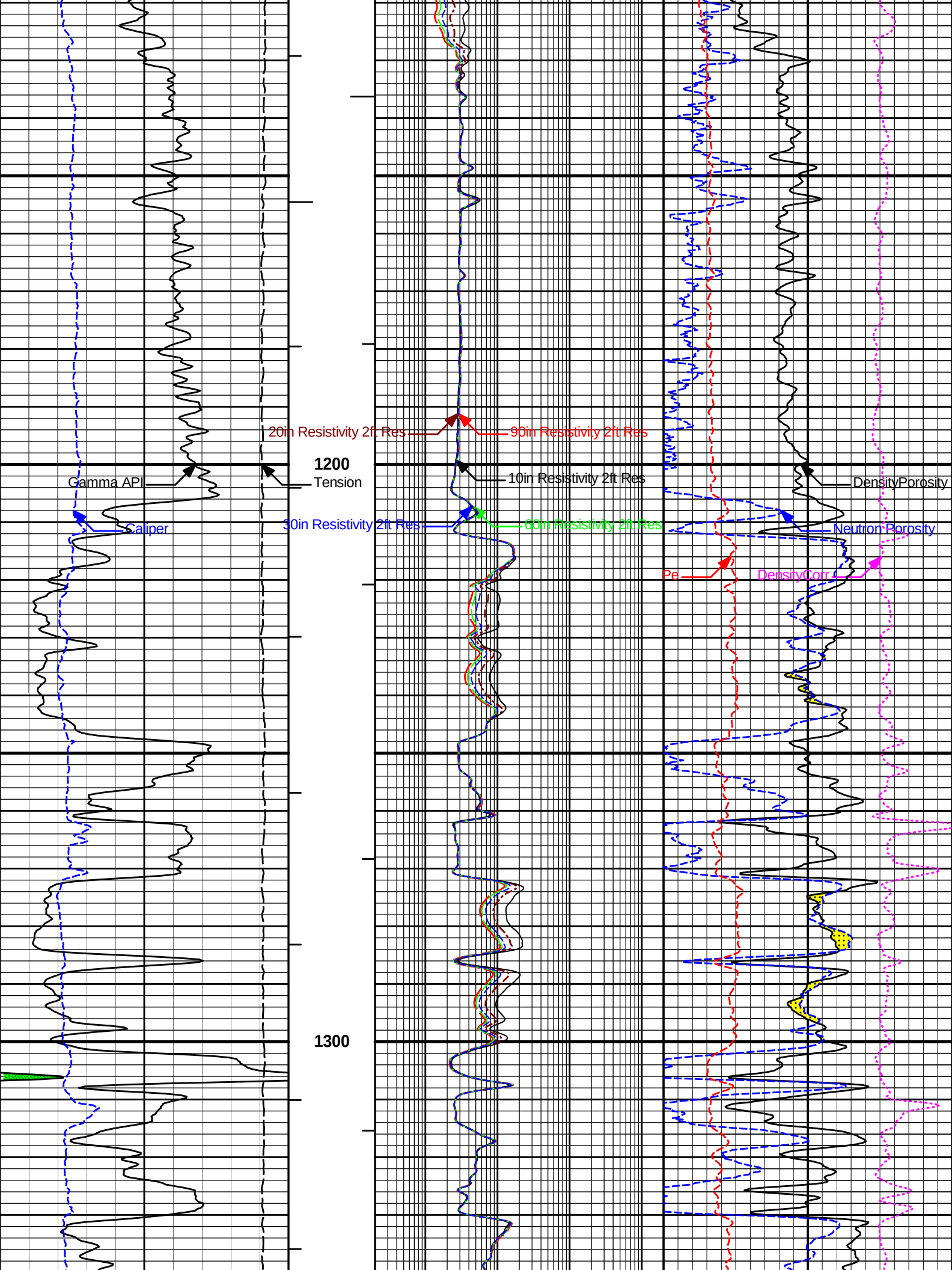


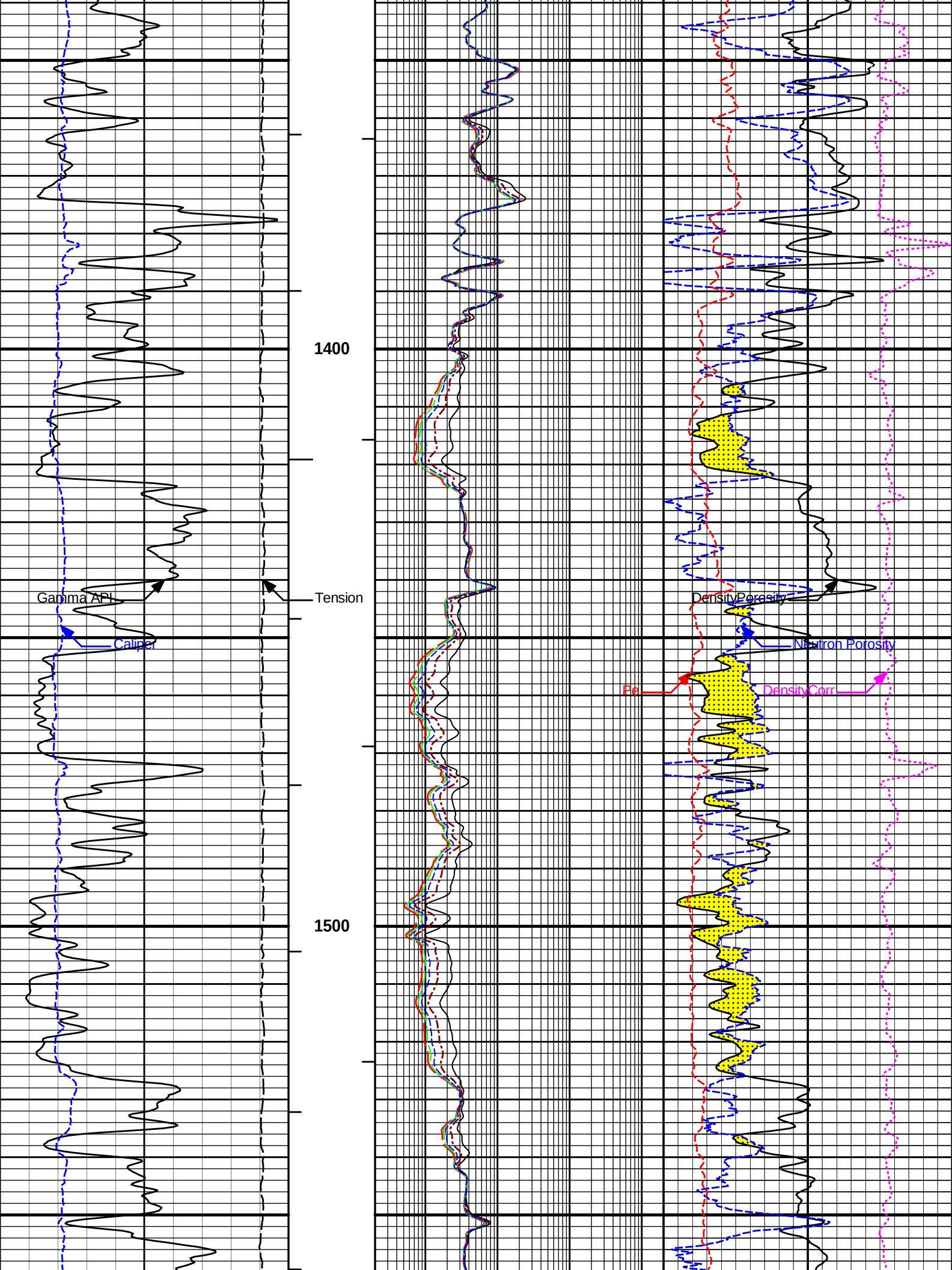


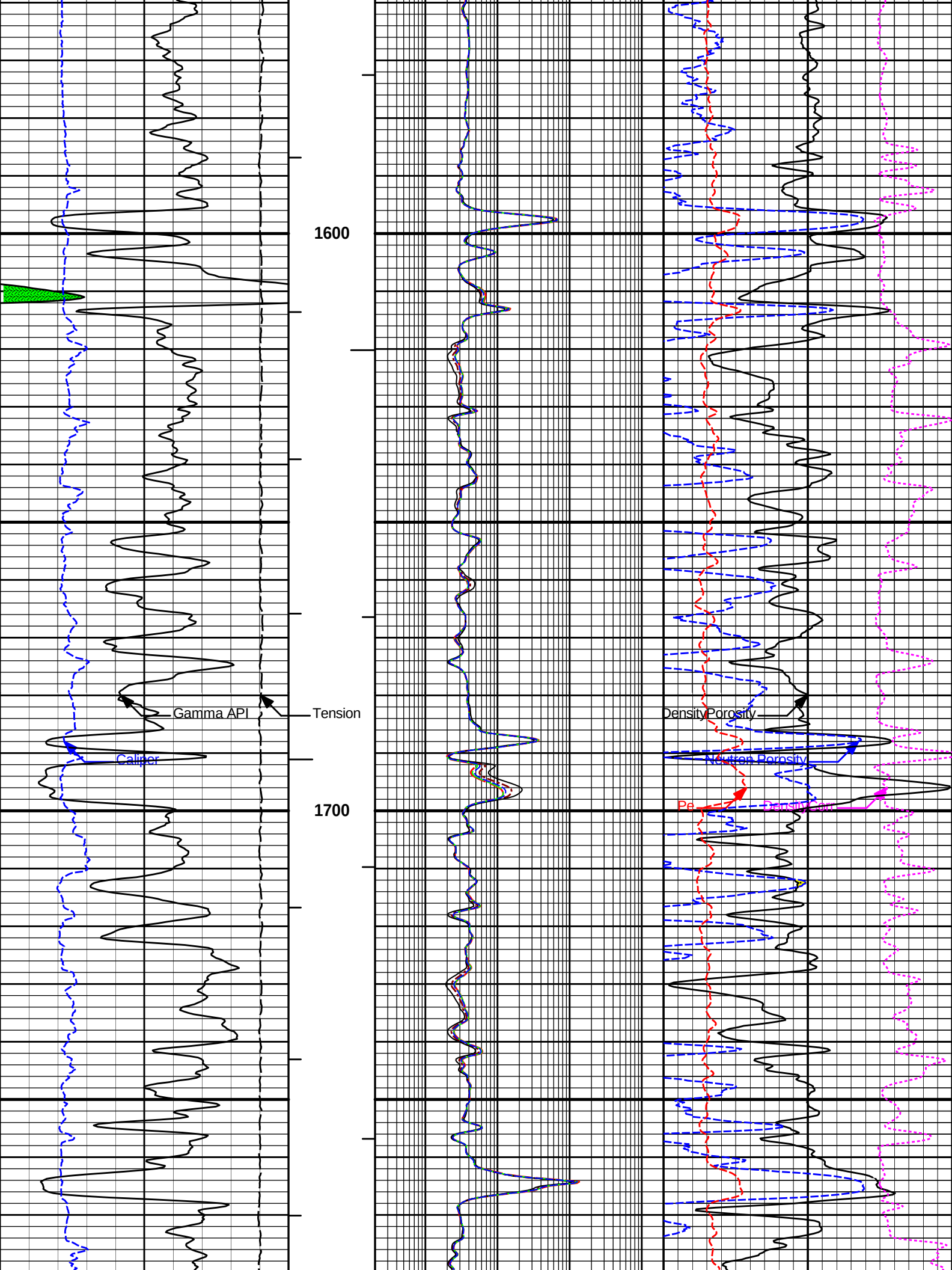


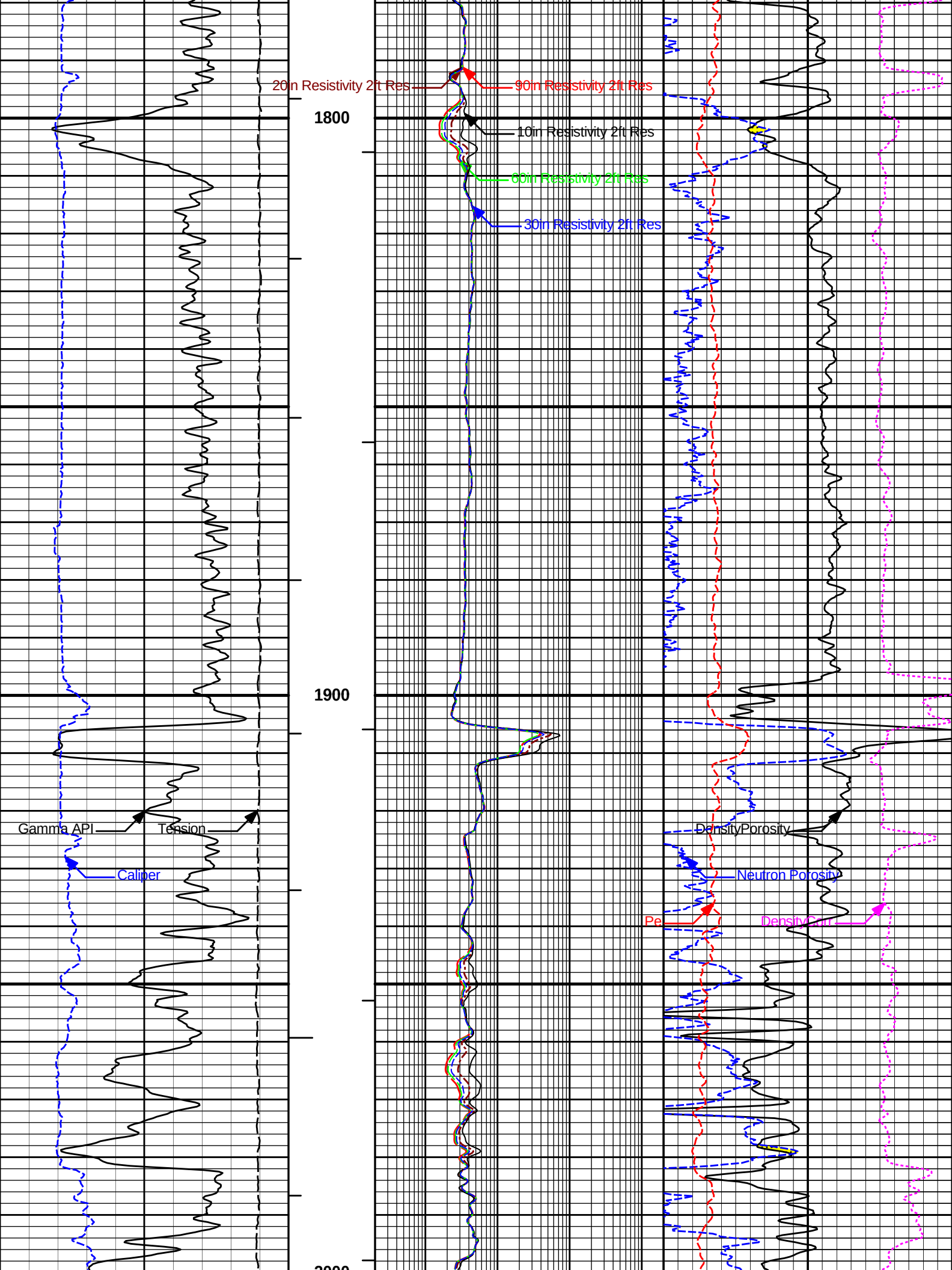


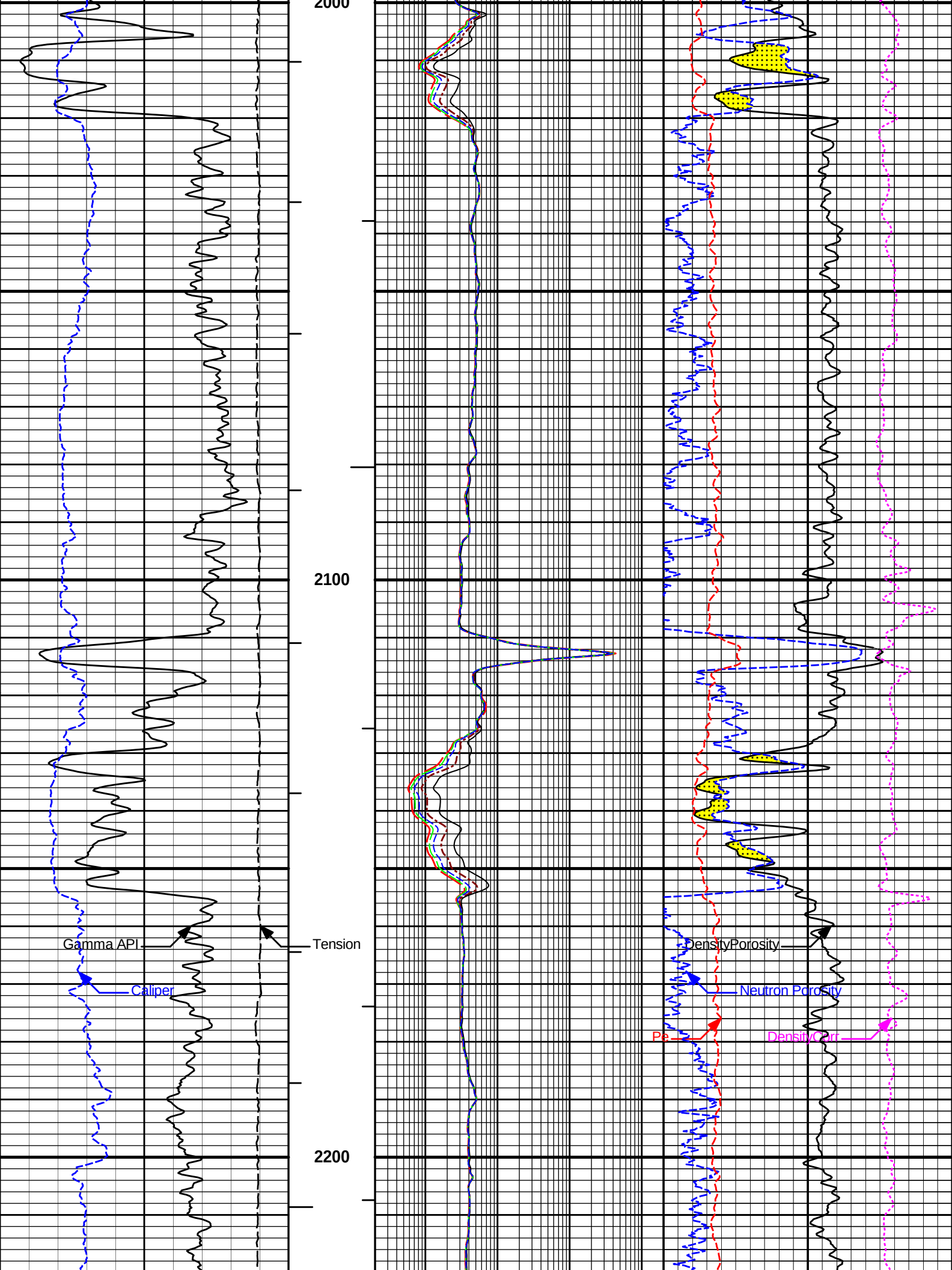


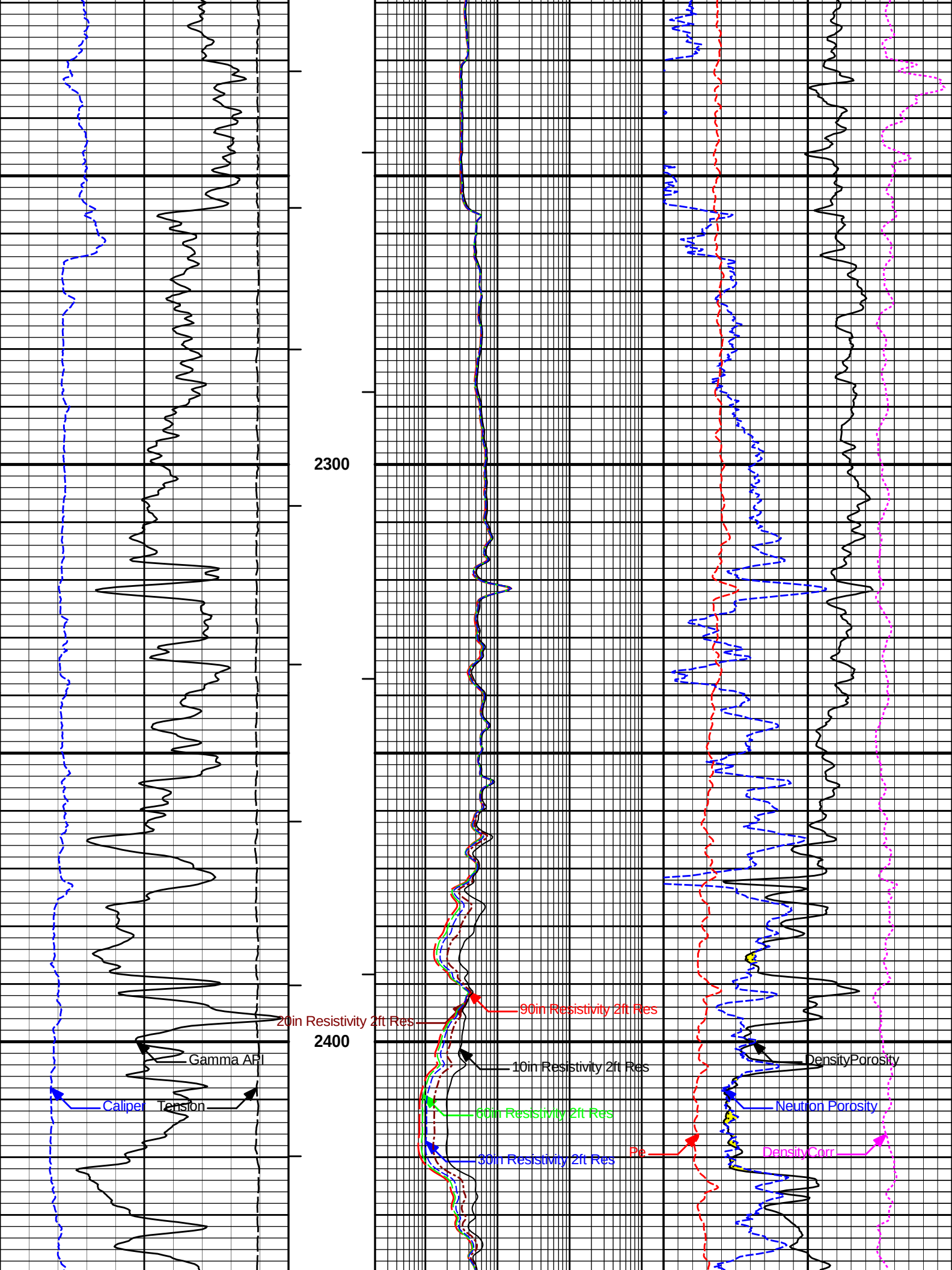


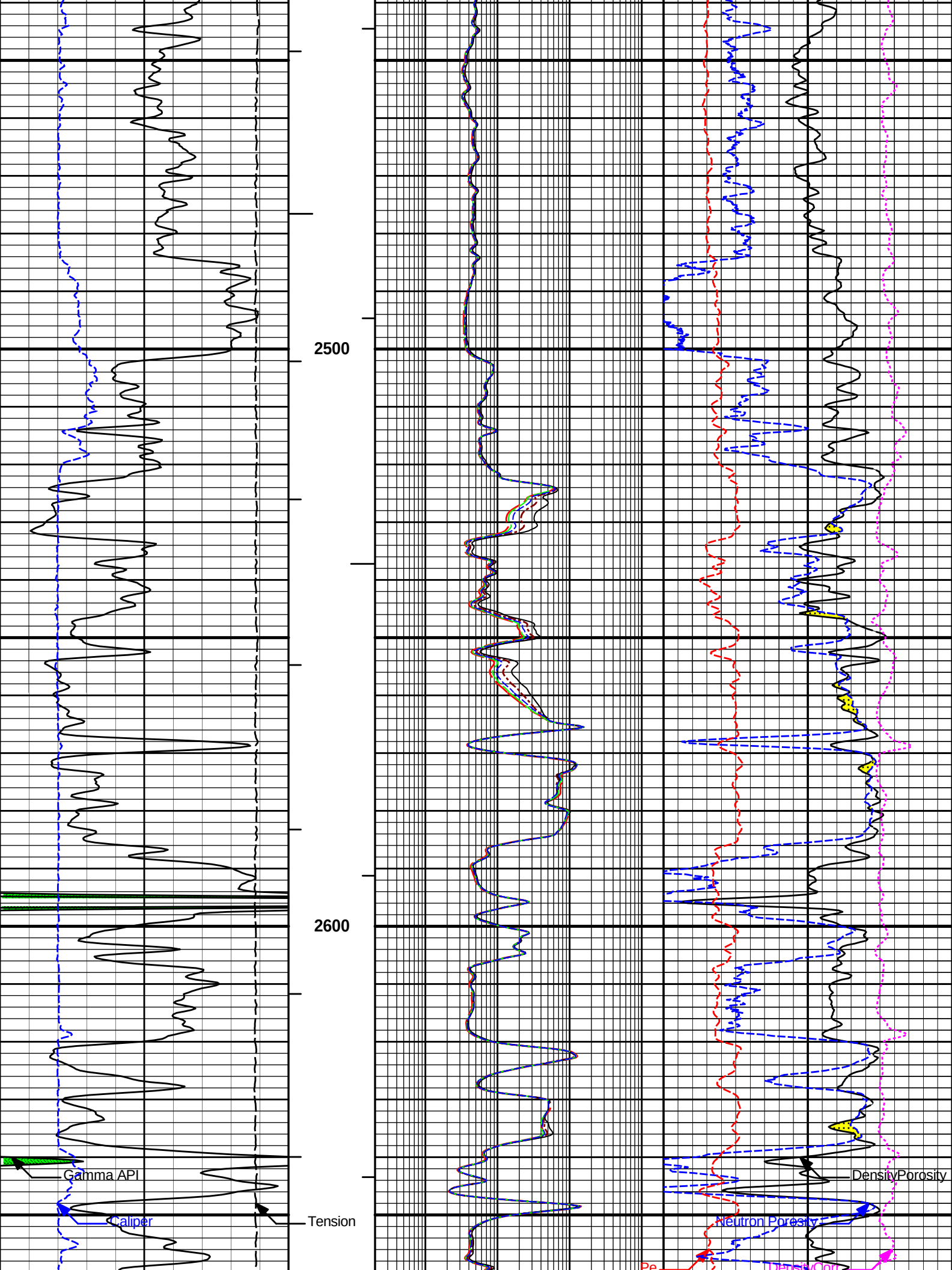


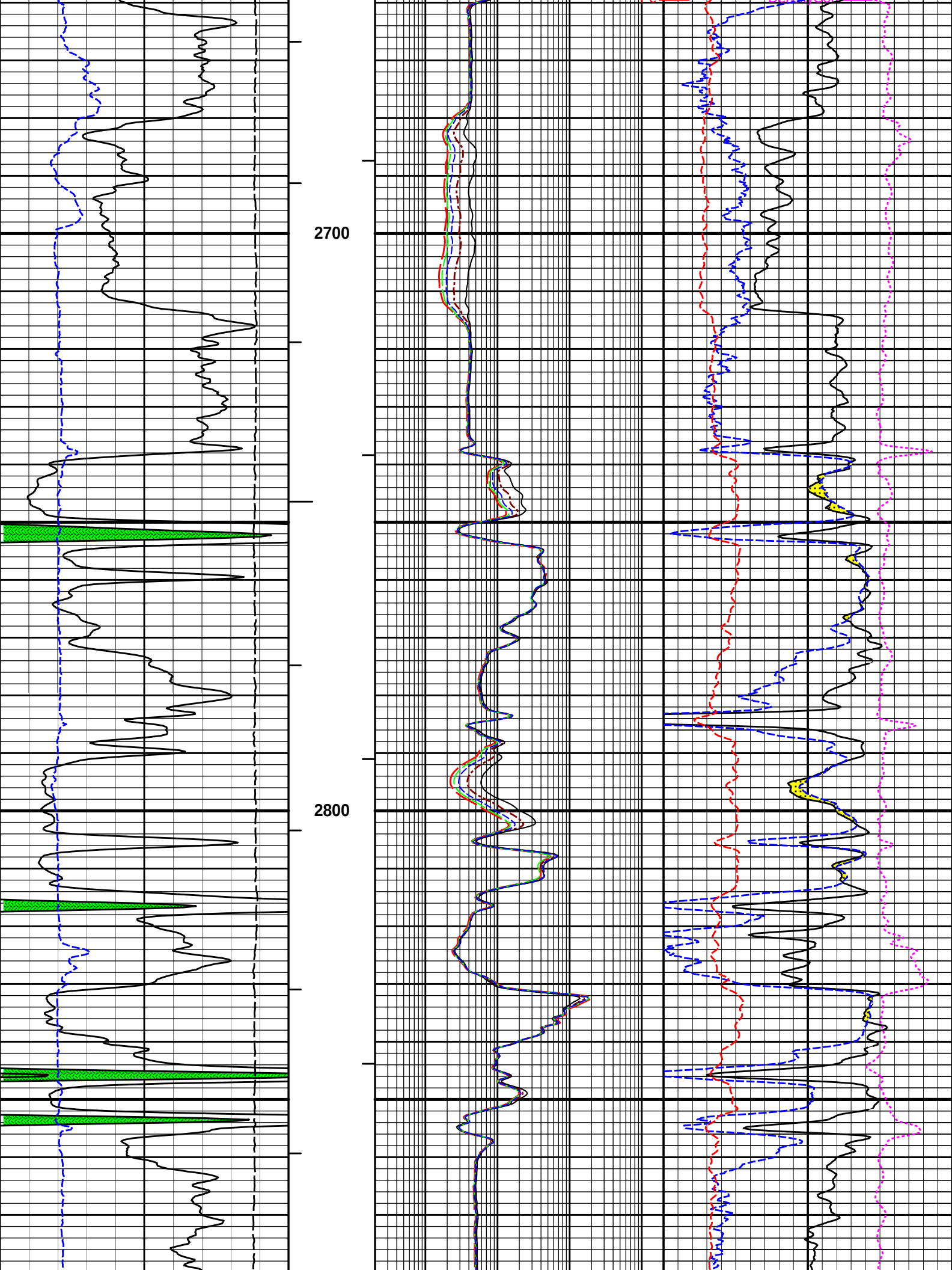


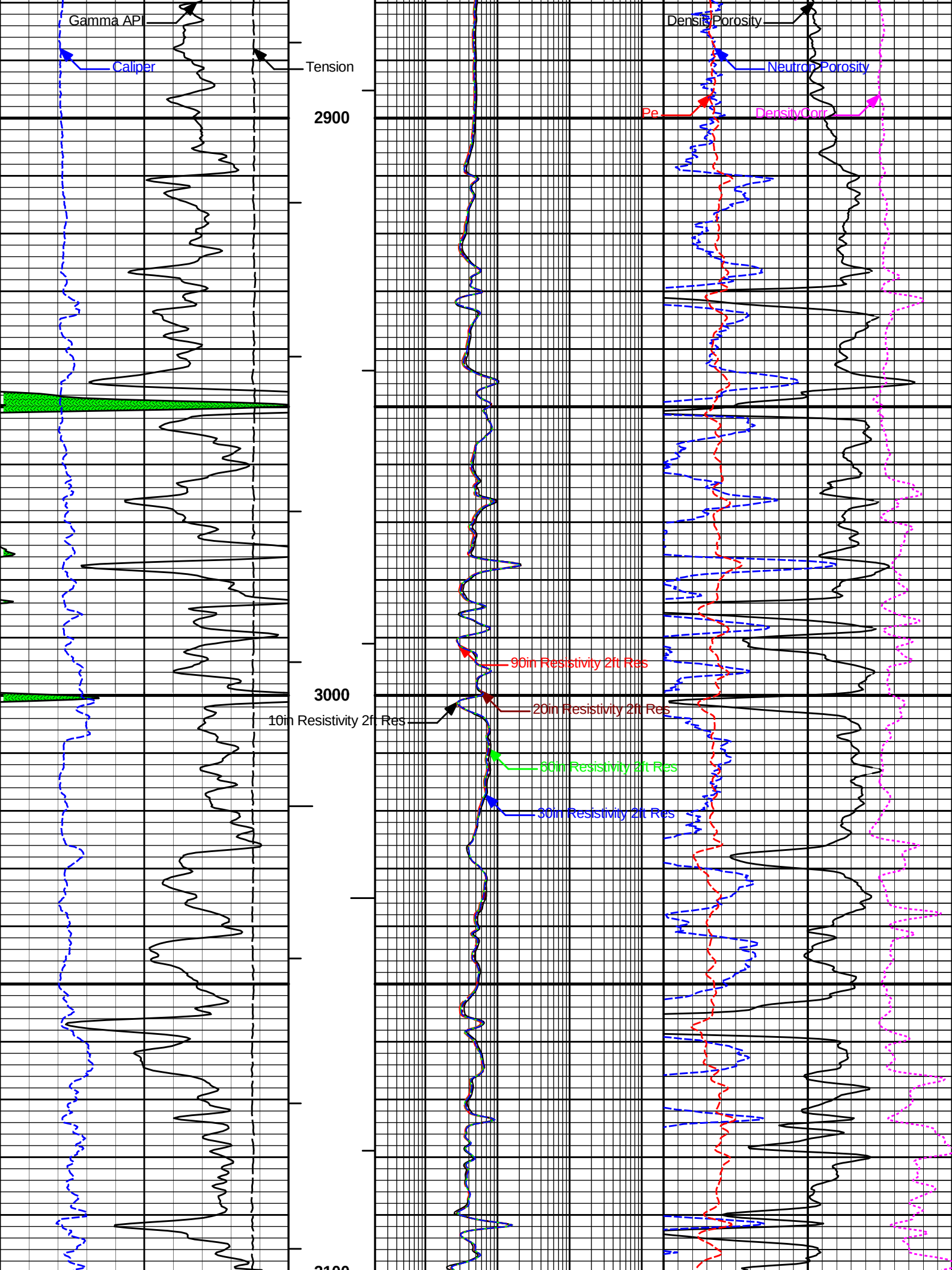


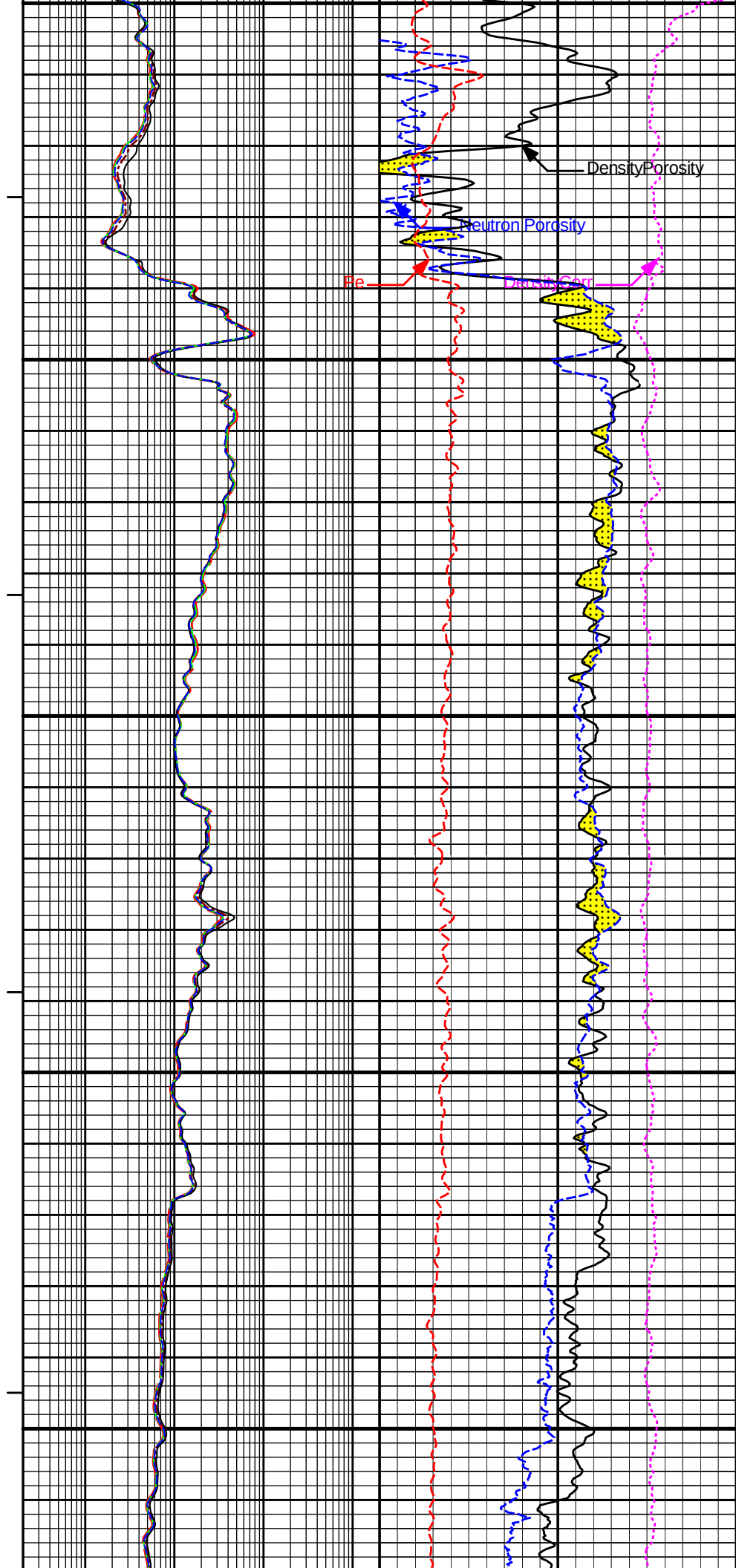
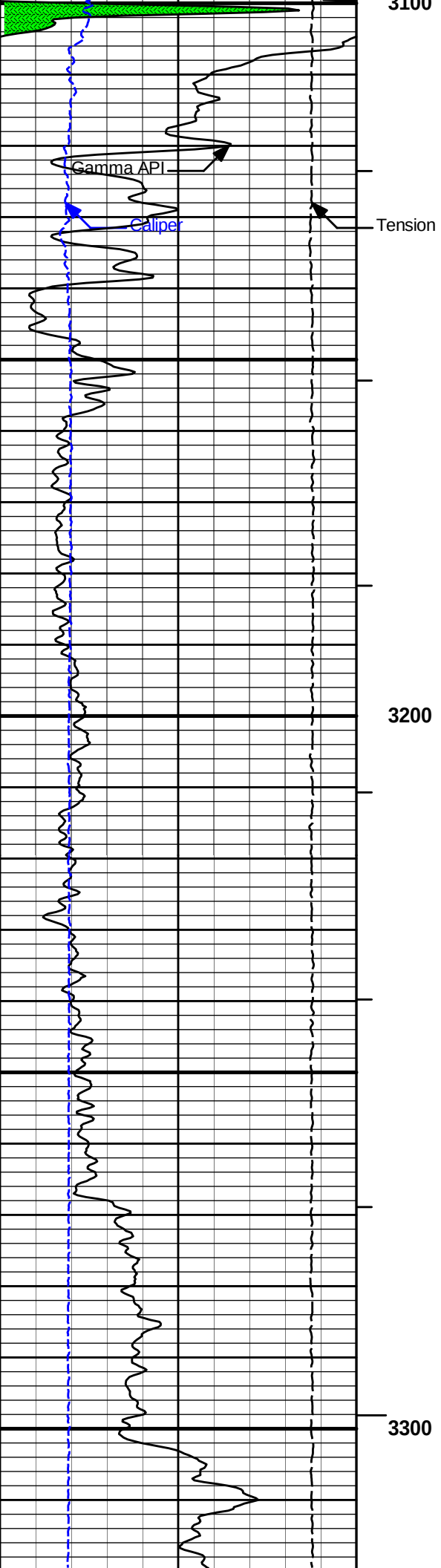


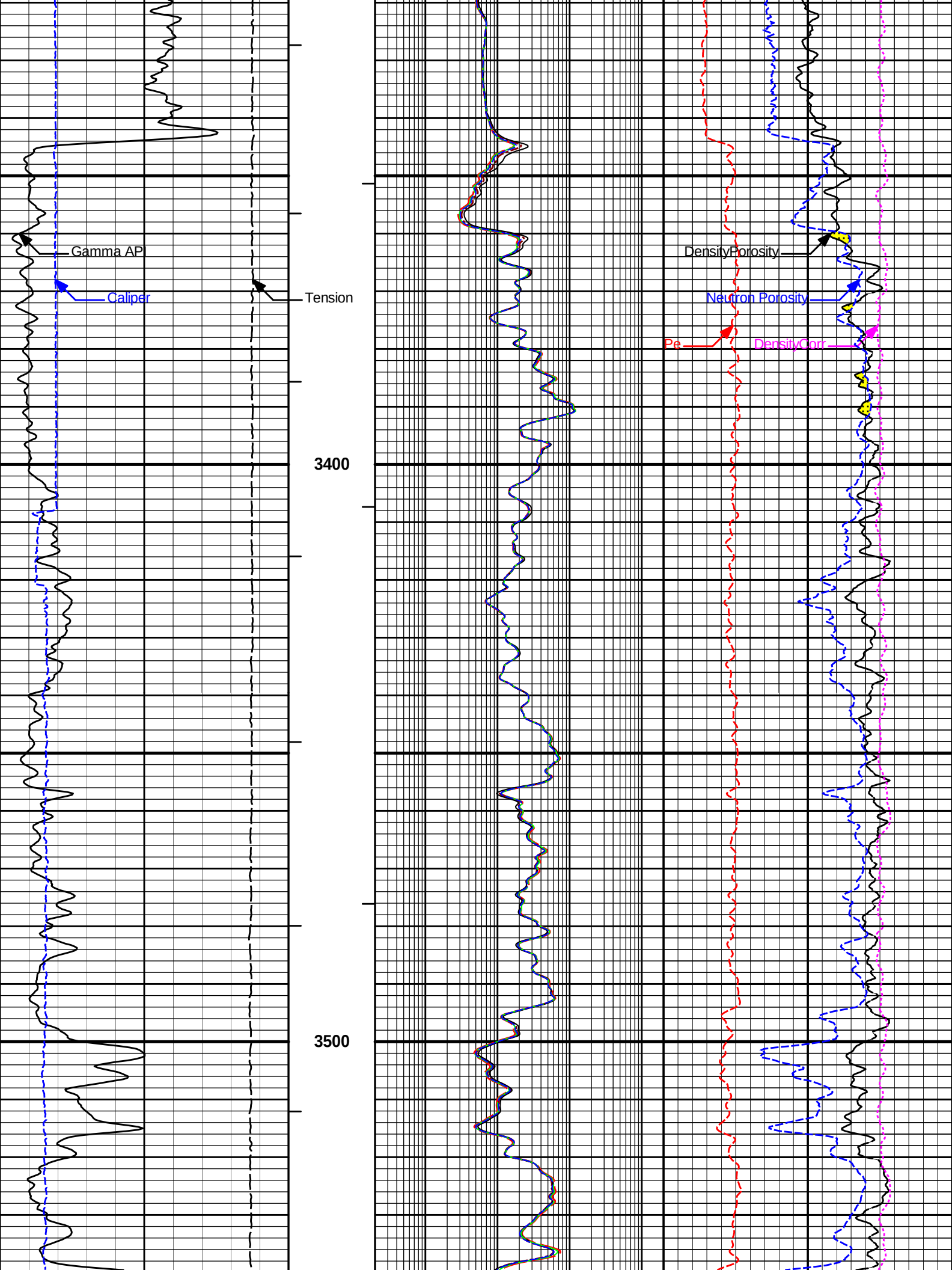


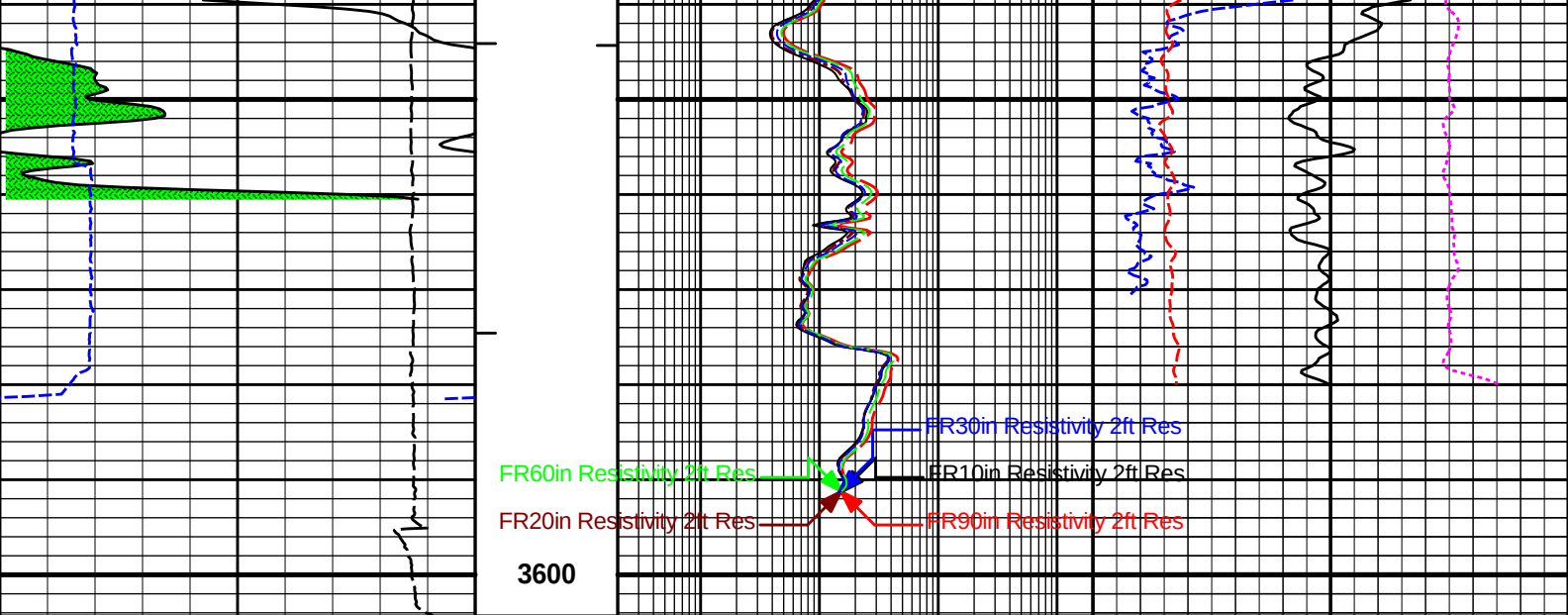










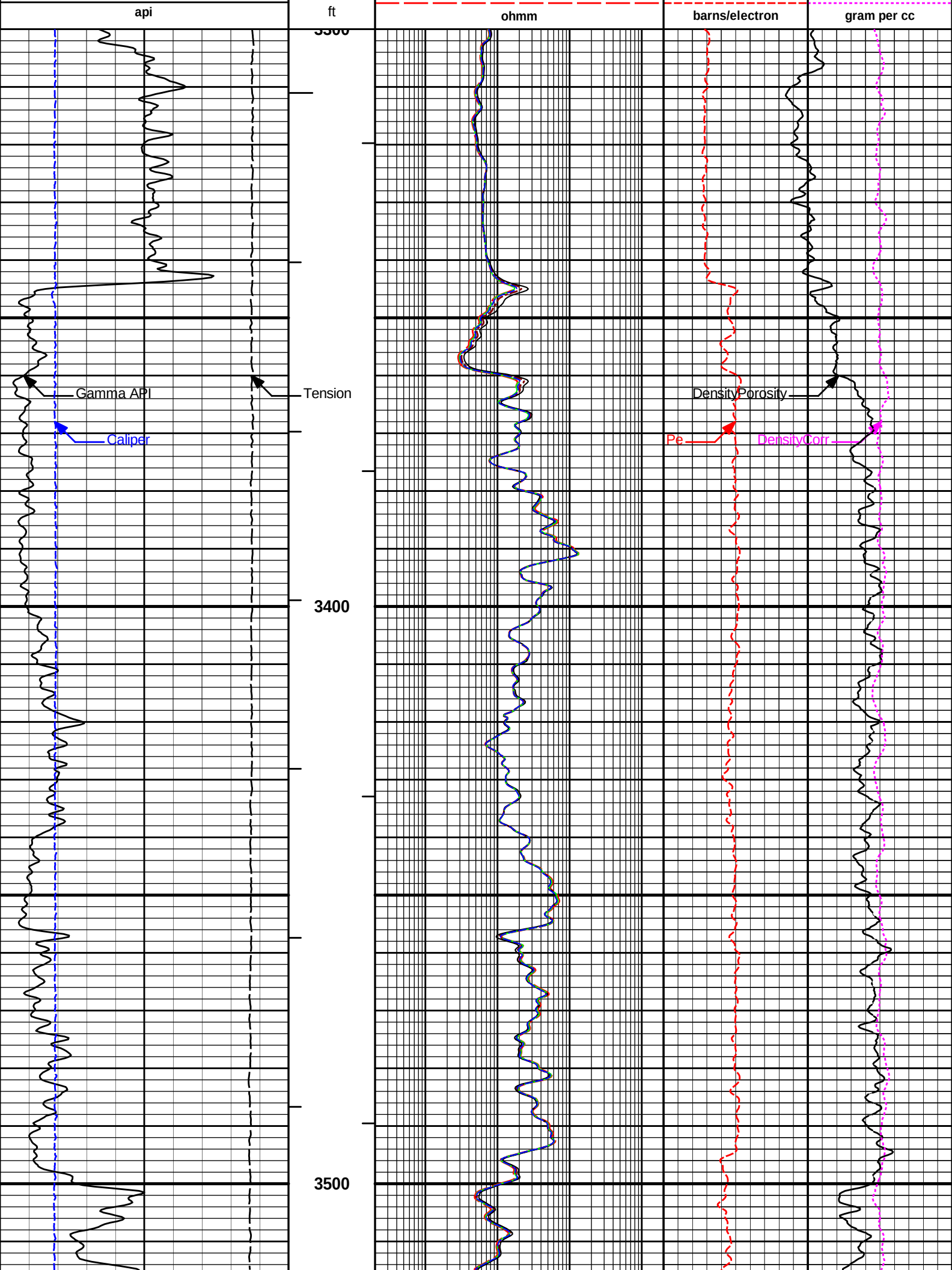


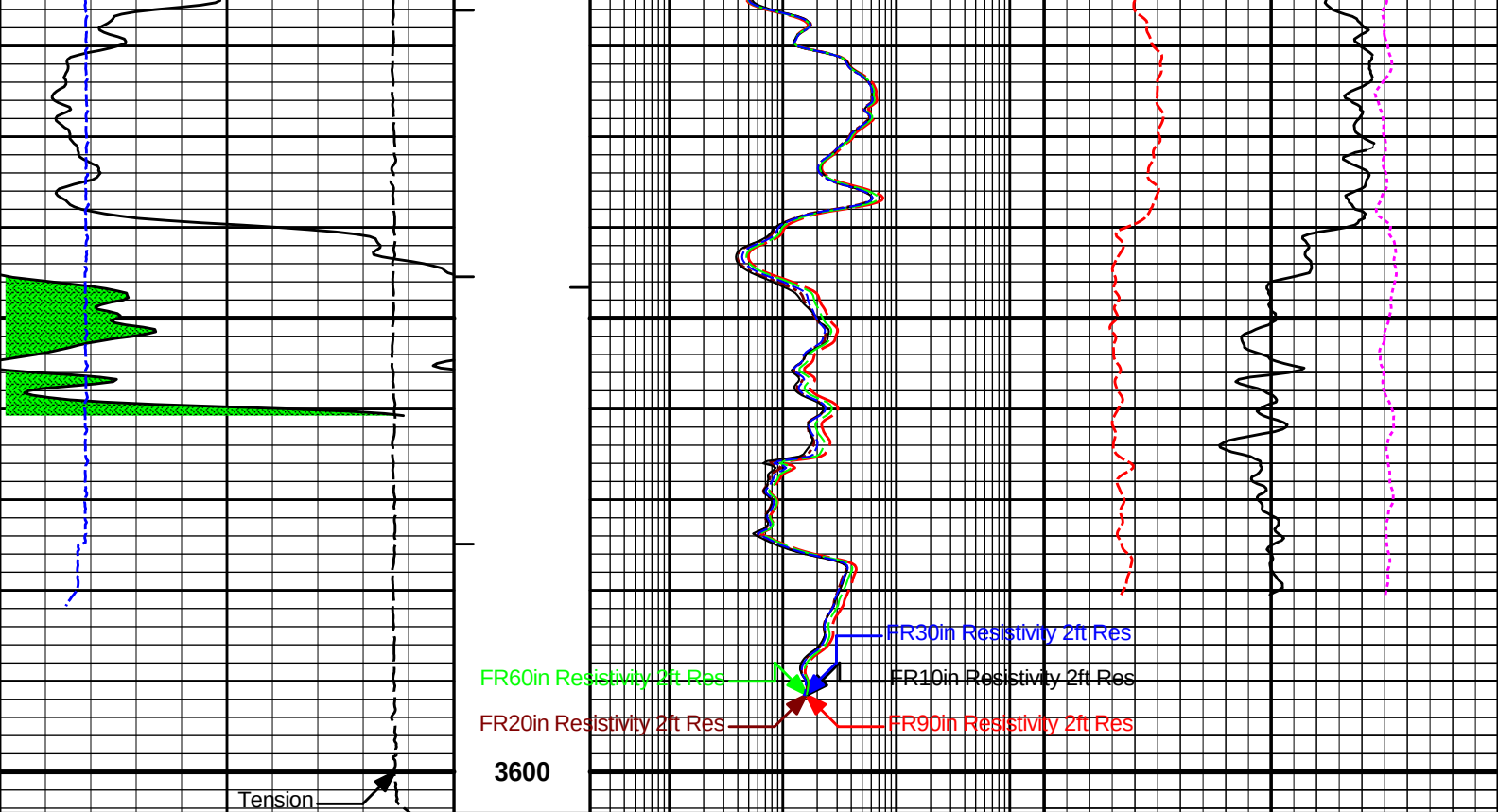
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	api				ohmm			barns/electron			gram per cc	
6	Caliper	16	BHVT	0.2	20in Resistivity 2ft Res	2000	30	Neutron Porosity				-10
	inches				ohmm			percent				
15K	Tension	0	AHVT	0.2	10in Resistivity 2ft Res	2000	30	DensityPorosity				-10
	pounds				ohmm			percent				
				0.2	60in Resistivity 2ft Res	2000						
					ohmm							
				0.2	30in Resistivity 2ft Res	2000						
					ohm-metre							

HALLIBURTON Plot Time: 04-Oct-13 10:04:35 Plot Range: 200 ft to 3604.33 ft Data: TAOS_W_Maddix\Well Based* Plot File: \\COMBO\SEECO_TRIPLE_ML_IQ												
5 INCH MAIN LOG												

HALLIBURTON Plot Time: 04-Oct-13 10:04:35 Plot Range: 3300 ft to 3604.58 ft Data: TAOS_W_Maddix\Well Based\DAQ-0001-002 Plot File: \\COMBO\SEECO_TRIPLE_ML_IQ												
REPEAT SECTION												

				0.2	30in Resistivity 2ft Res	2000						
					ohm-metre							
				0.2	60in Resistivity 2ft Res	2000						
					ohmm							
15K	Tension	0	AHVT	0.2	10in Resistivity 2ft Res	2000	30	Neutron Porosity				-10
	pounds				ohmm			percent				
6	Caliper	16	BHVT	0.2	20in Resistivity 2ft Res	2000	30	DensityPorosity				-10
	inches				ohmm			percent				
0	Gamma API	150	1 : 240	0.2	90in Resistivity 2ft Res	2000	0	Pe	10	-0.25	DensityCorr	0.25



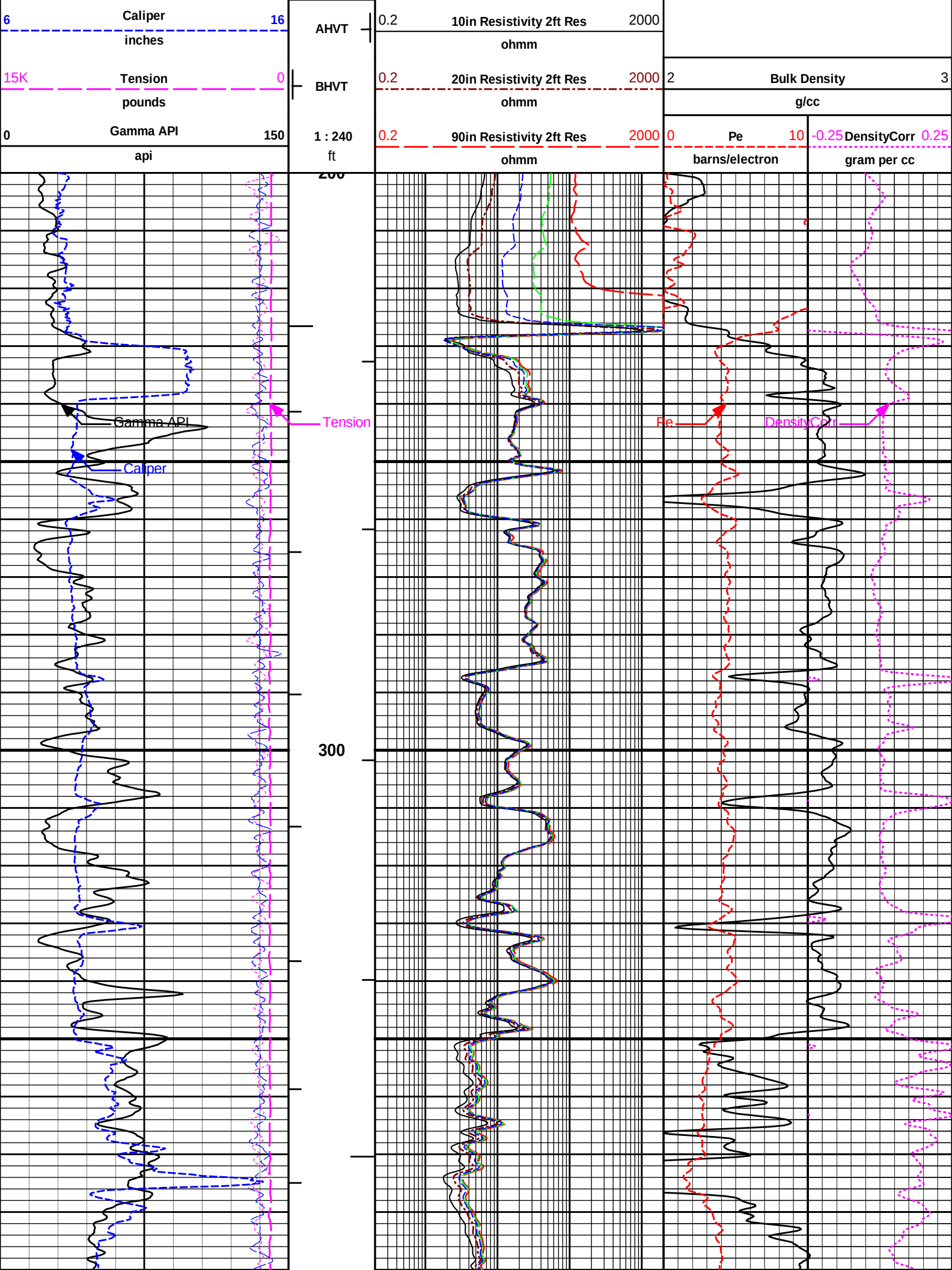


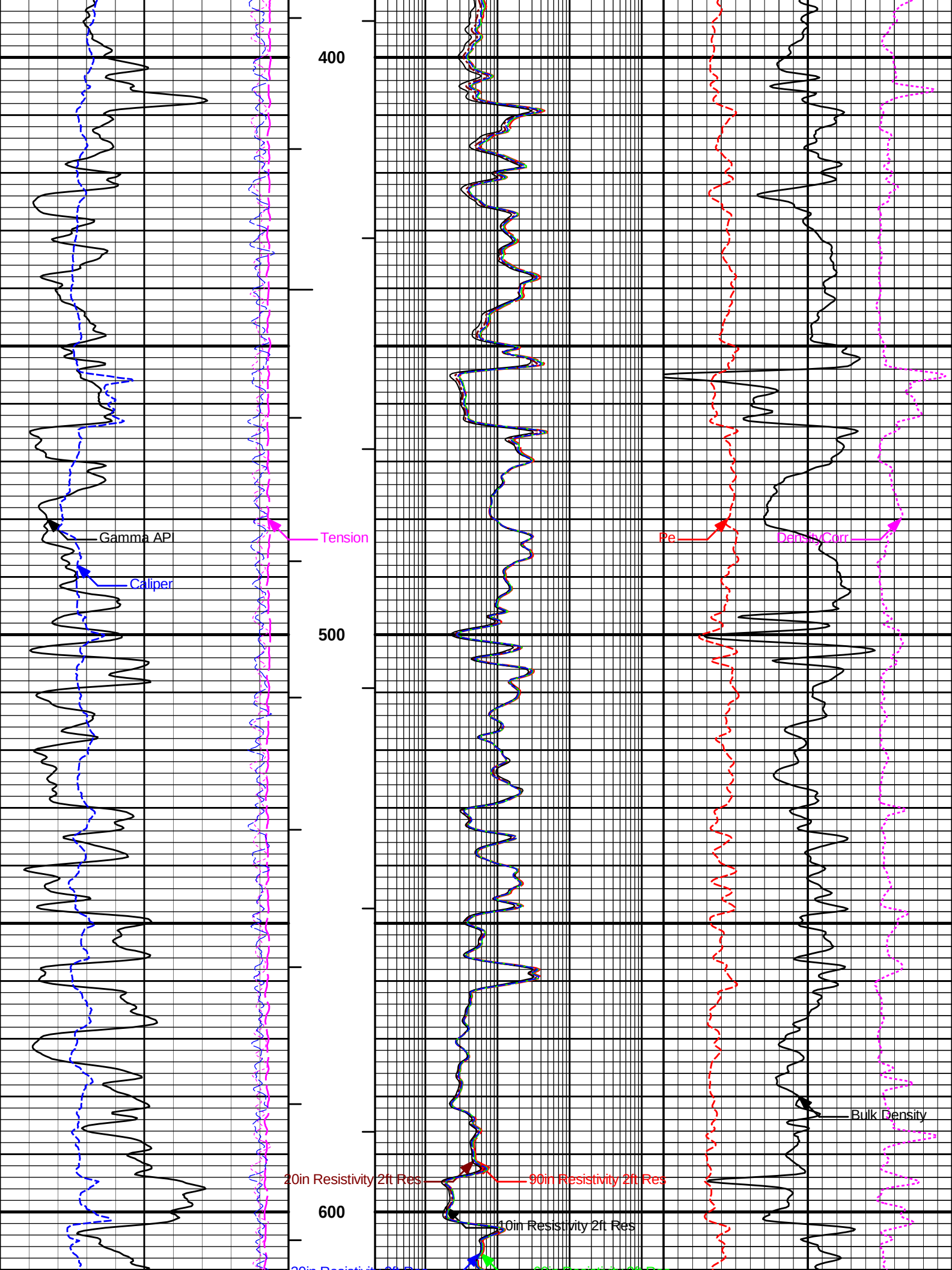
0	Gamma API	150	1 : 240 ft	0.2	90in Resistivity 2ft Res	2000	0	Pe	10	-0.25	DensityCorr	0.25
	api				ohmm			barns/electron			gram per cc	
6	Caliper	16	BHVT	0.2	20in Resistivity 2ft Res	2000	30	DensityPorosity			-10	
	inches				ohmm			percent				
15K	Tension	0	AHVT	0.2	10in Resistivity 2ft Res	2000	30	Neutron Porosity			-10	
	pounds				ohmm			percent				
				0.2	60in Resistivity 2ft Res	2000						
					ohmm							
				0.2	30in Resistivity 2ft Res	2000						
					ohm-metre							

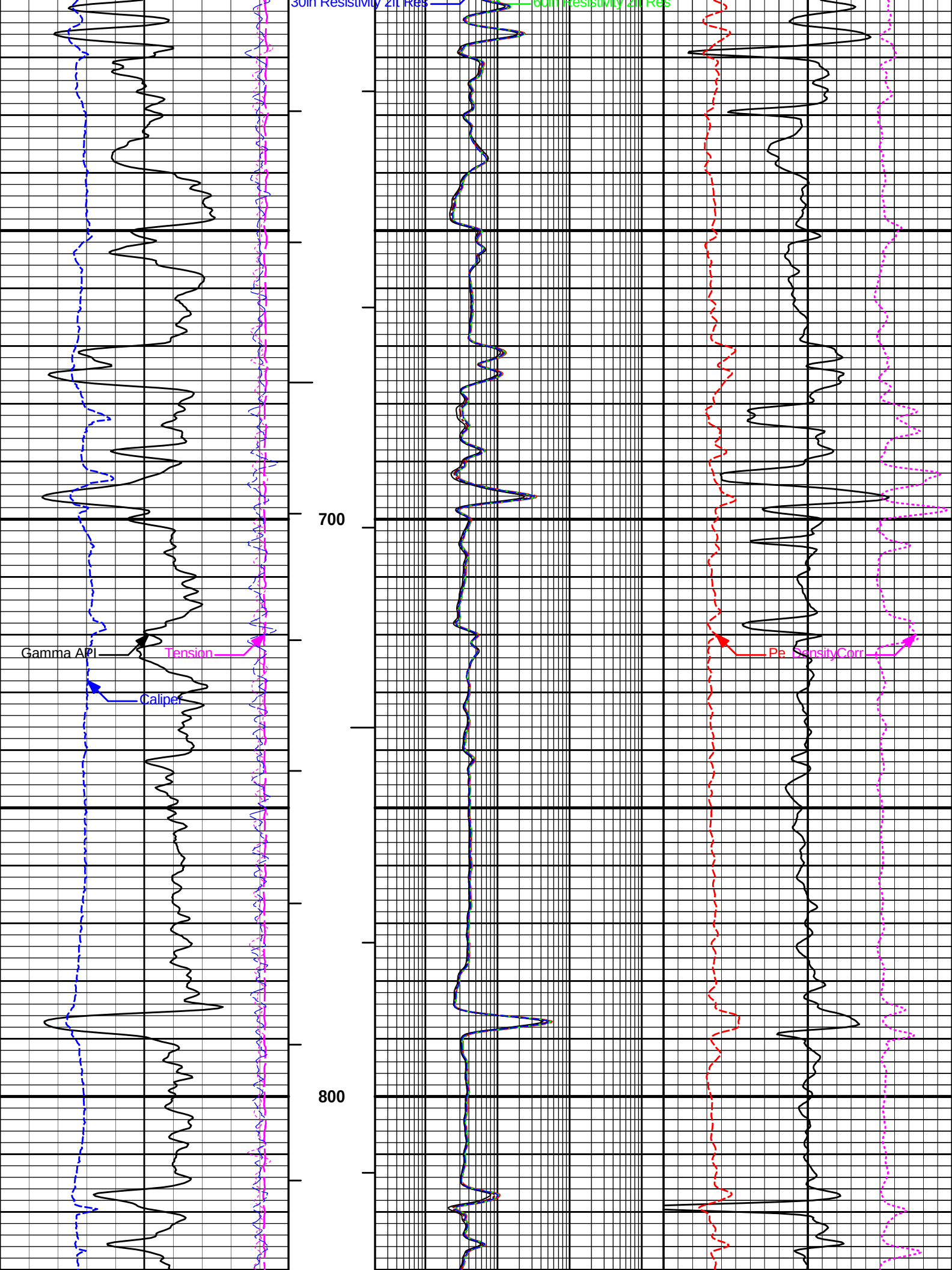
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Plot Time: 04-Oct-13 10:04:37 Plot Range: 3300 ft to 3604.58 ft Data: TAOS_W_Maddix\Well Based\DAQ-0001-0021 Plot File: \\COMBO\SEECO_TRIPLE_ML_IQ												
REPEAT SECTION												

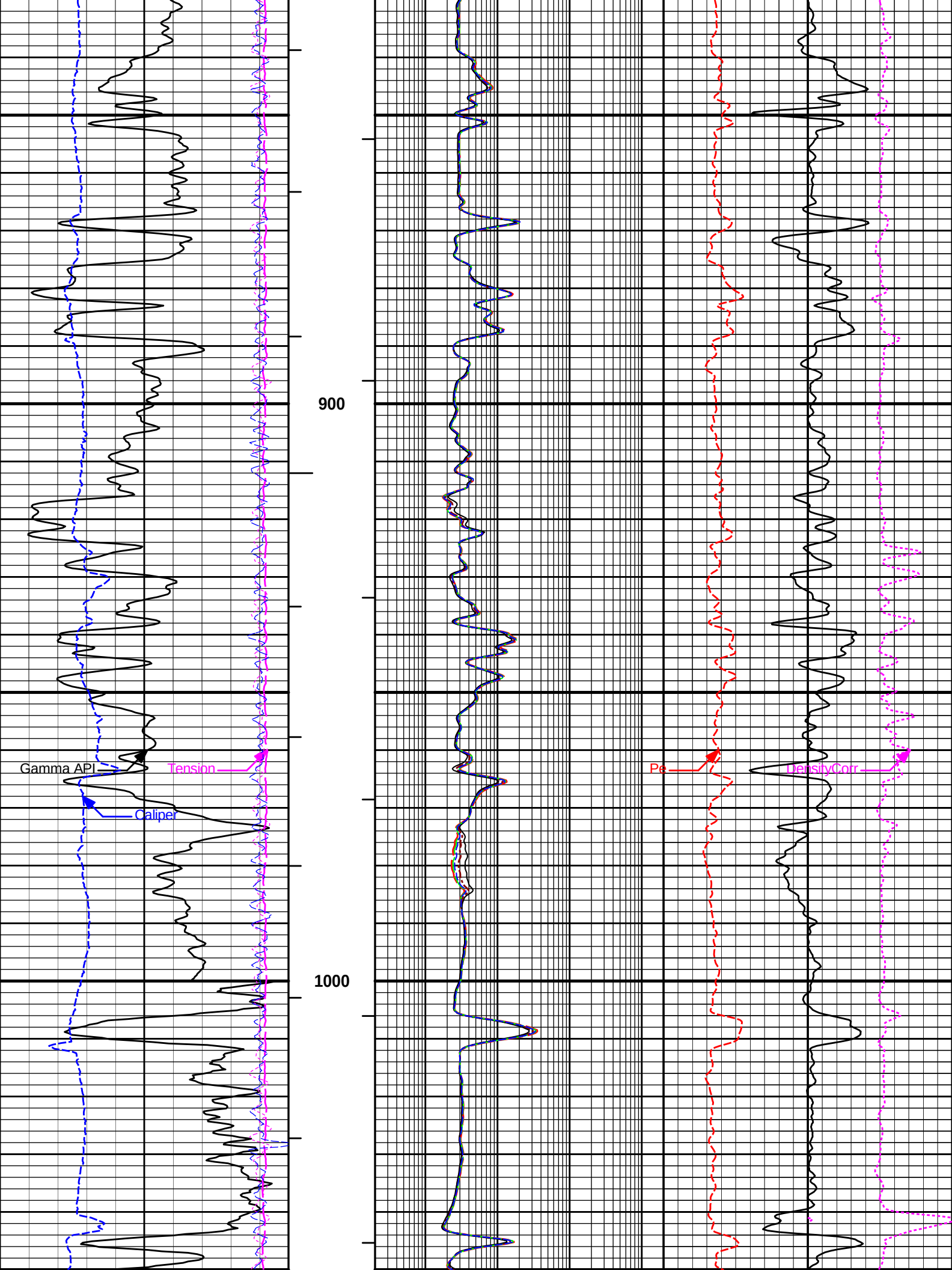
HALLIBURTON												
Plot Time: 04-Oct-13 10:04:37 Plot Range: 200 ft to 3604.33 ft Data: TAOS_W_Maddix\Well Based*1 Plot File: \\COMBO\SEECO_TRIPLE_BULK_IQ												
5 INCH MAIN LOG												

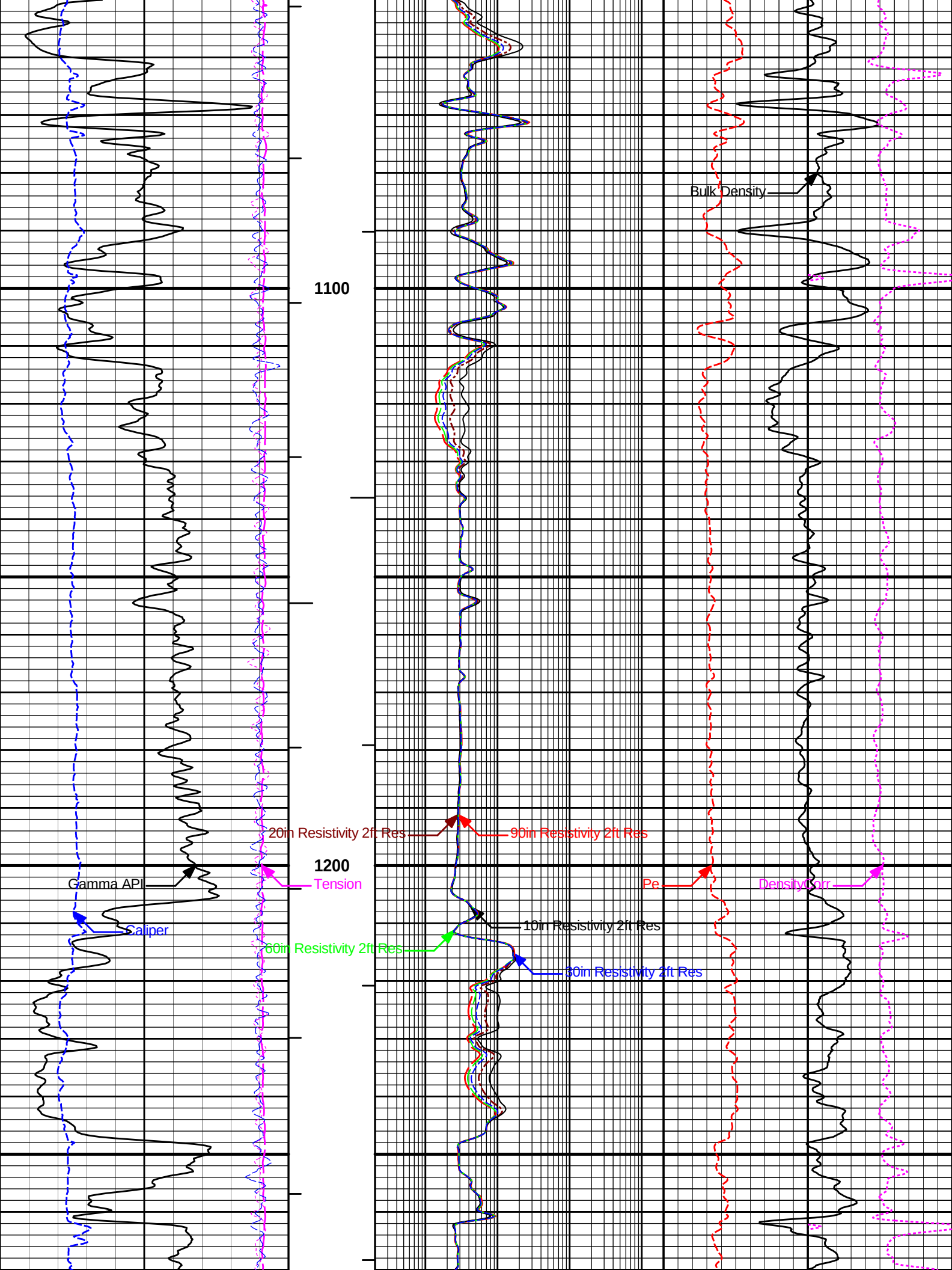
18	FarQuality	-2	0.2	30in Resistivity 2ft Res	2000							
				ohm-metre								
-18	NearQuality	2	0.2	60in Resistivity 2ft Res	2000							
				ohmm								

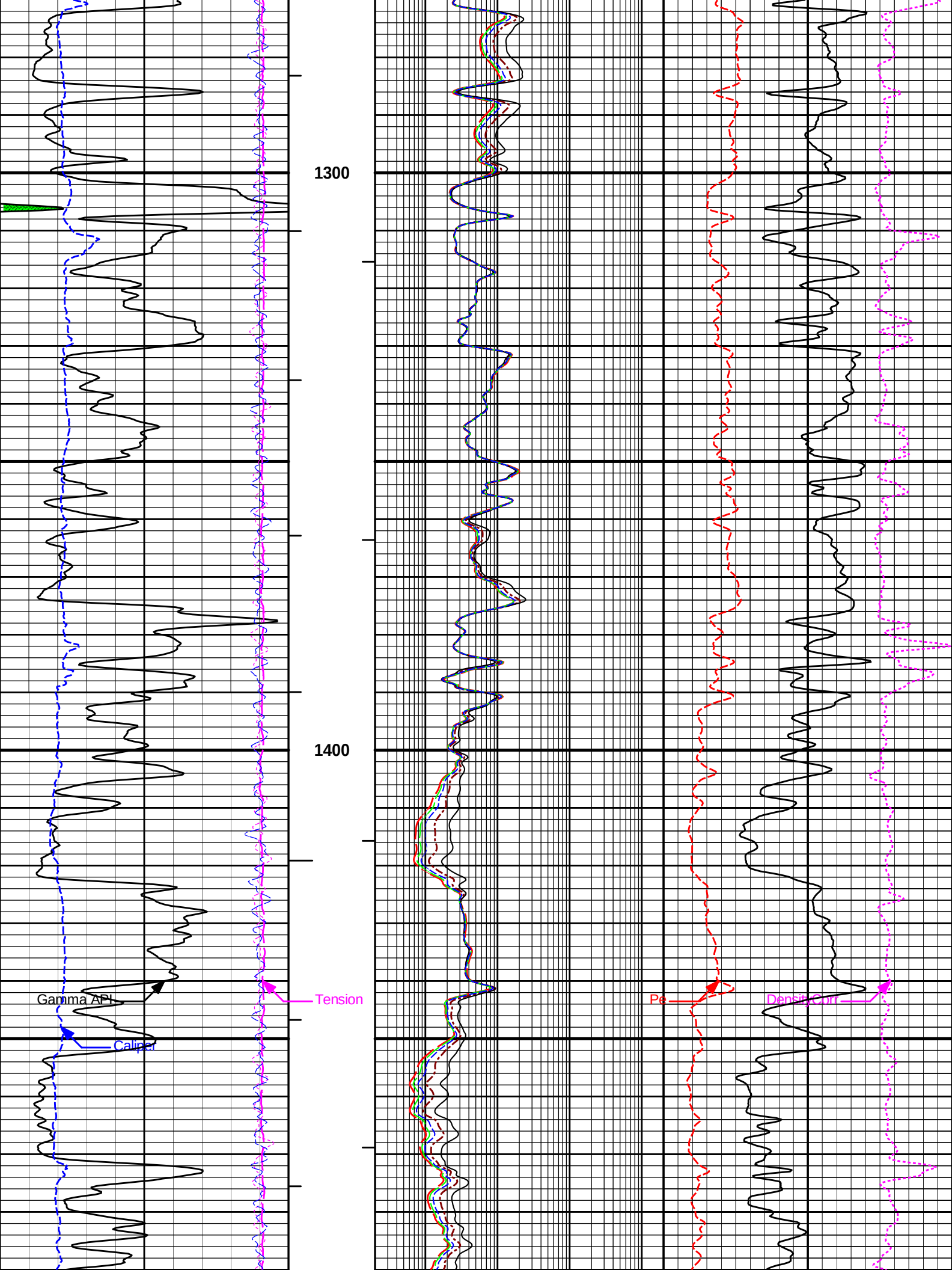


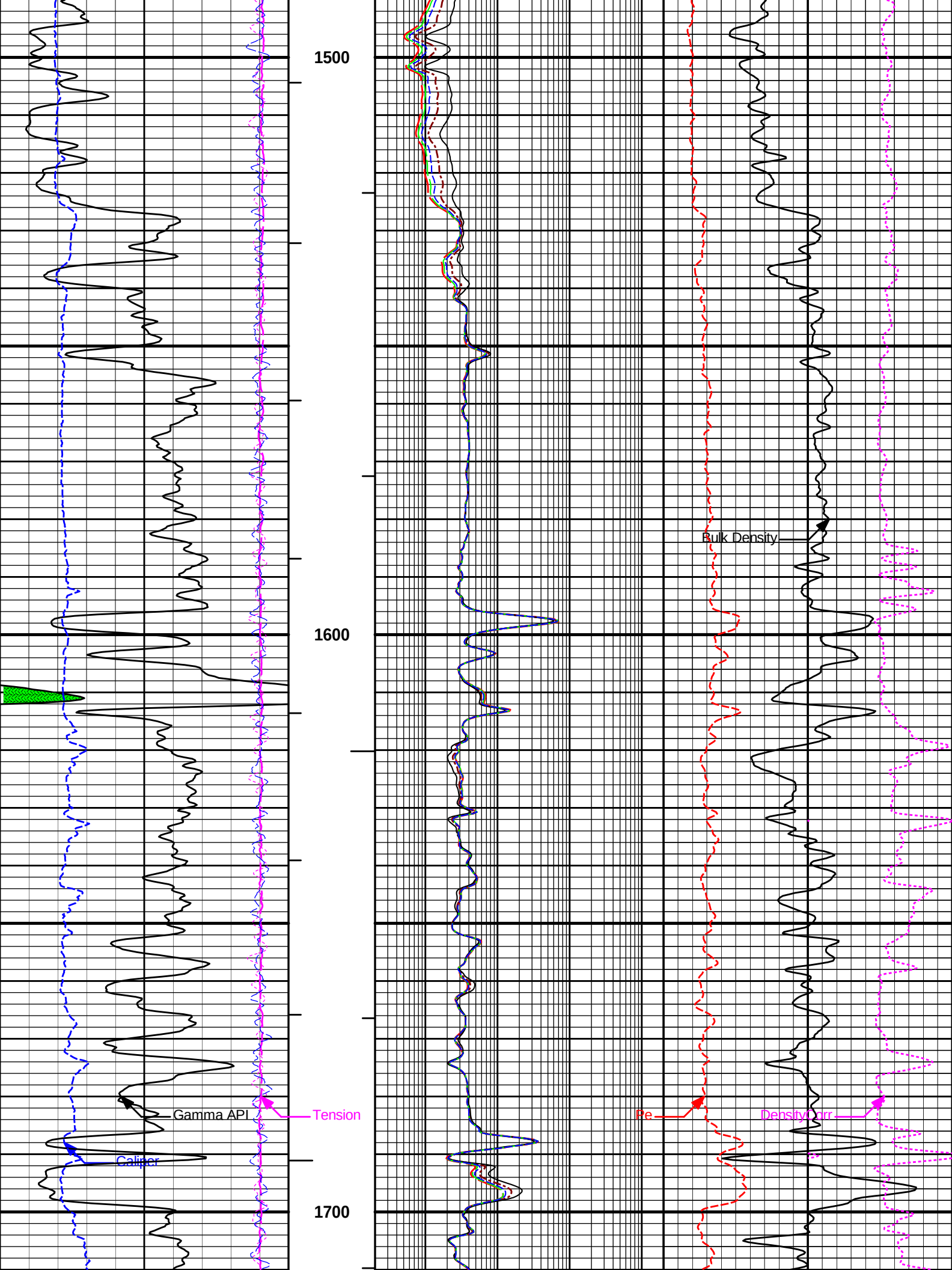


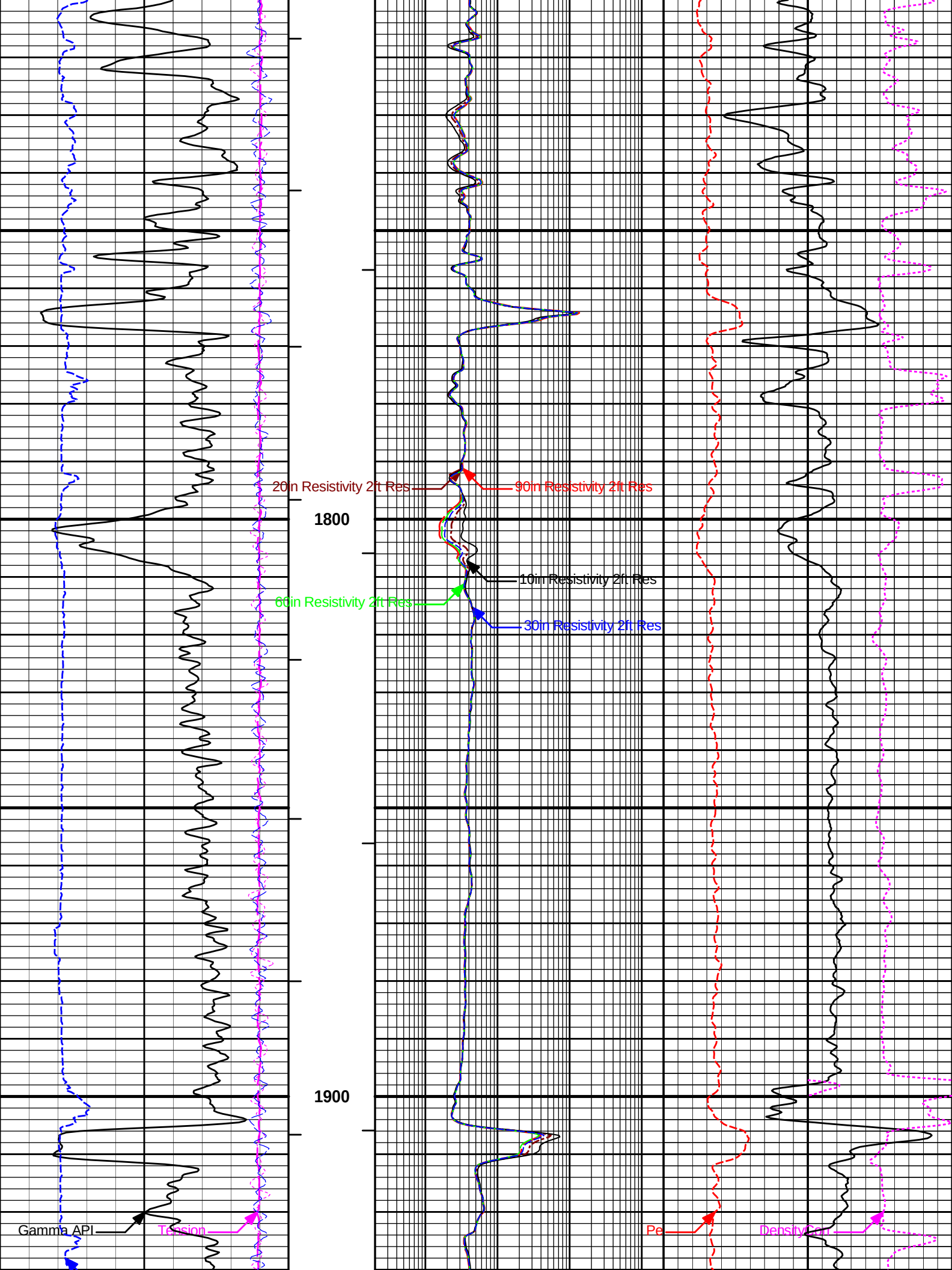


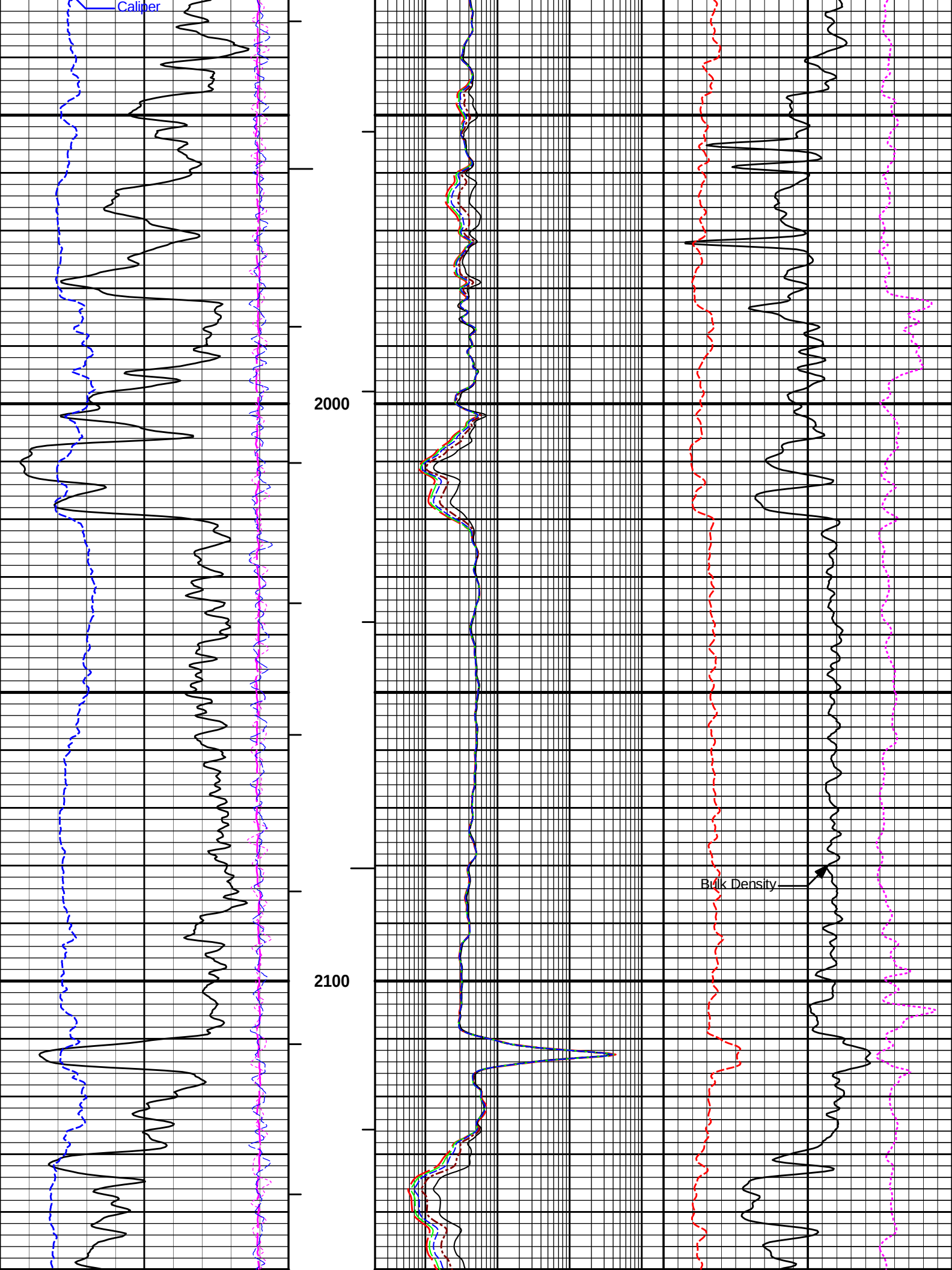


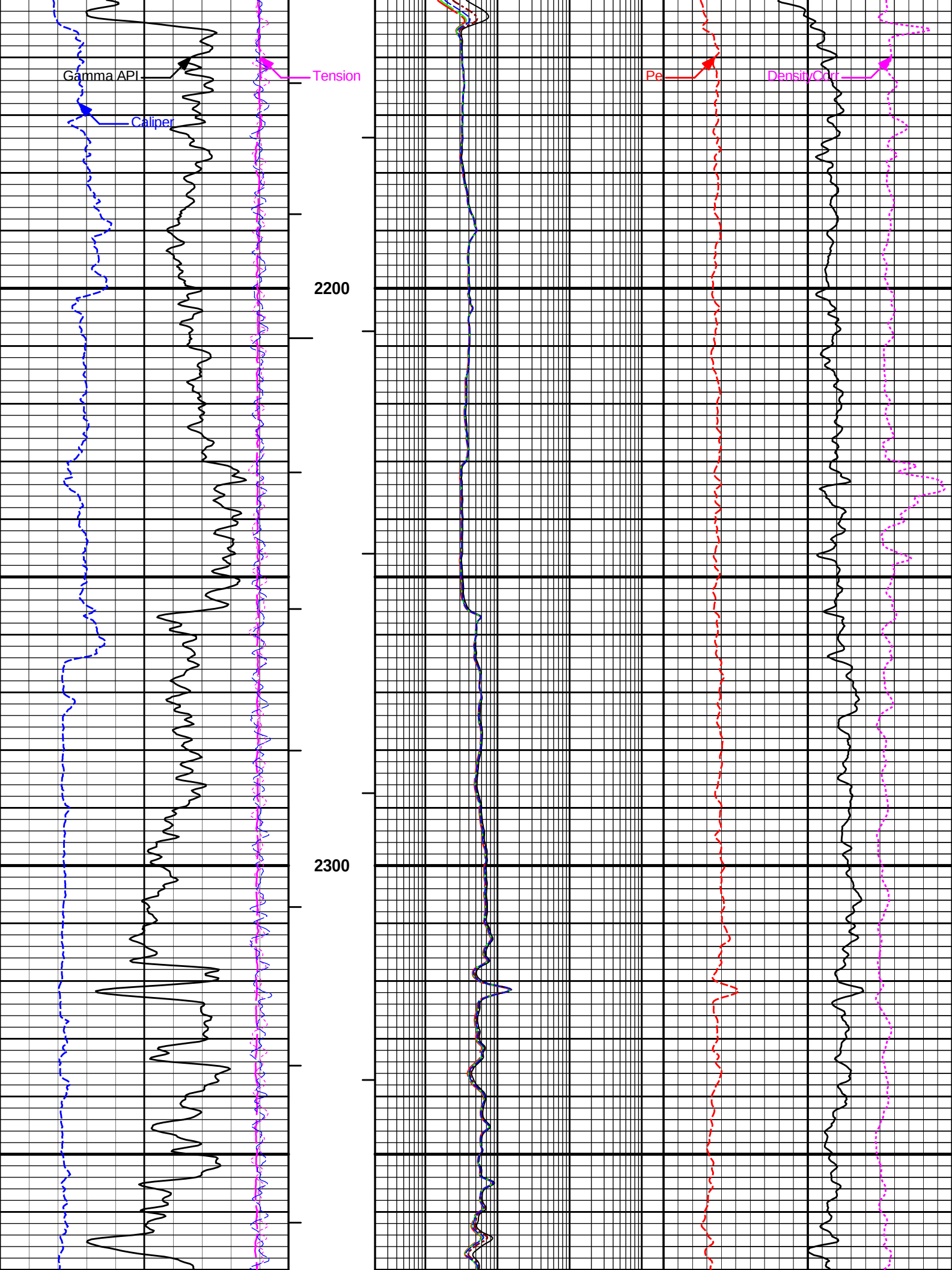


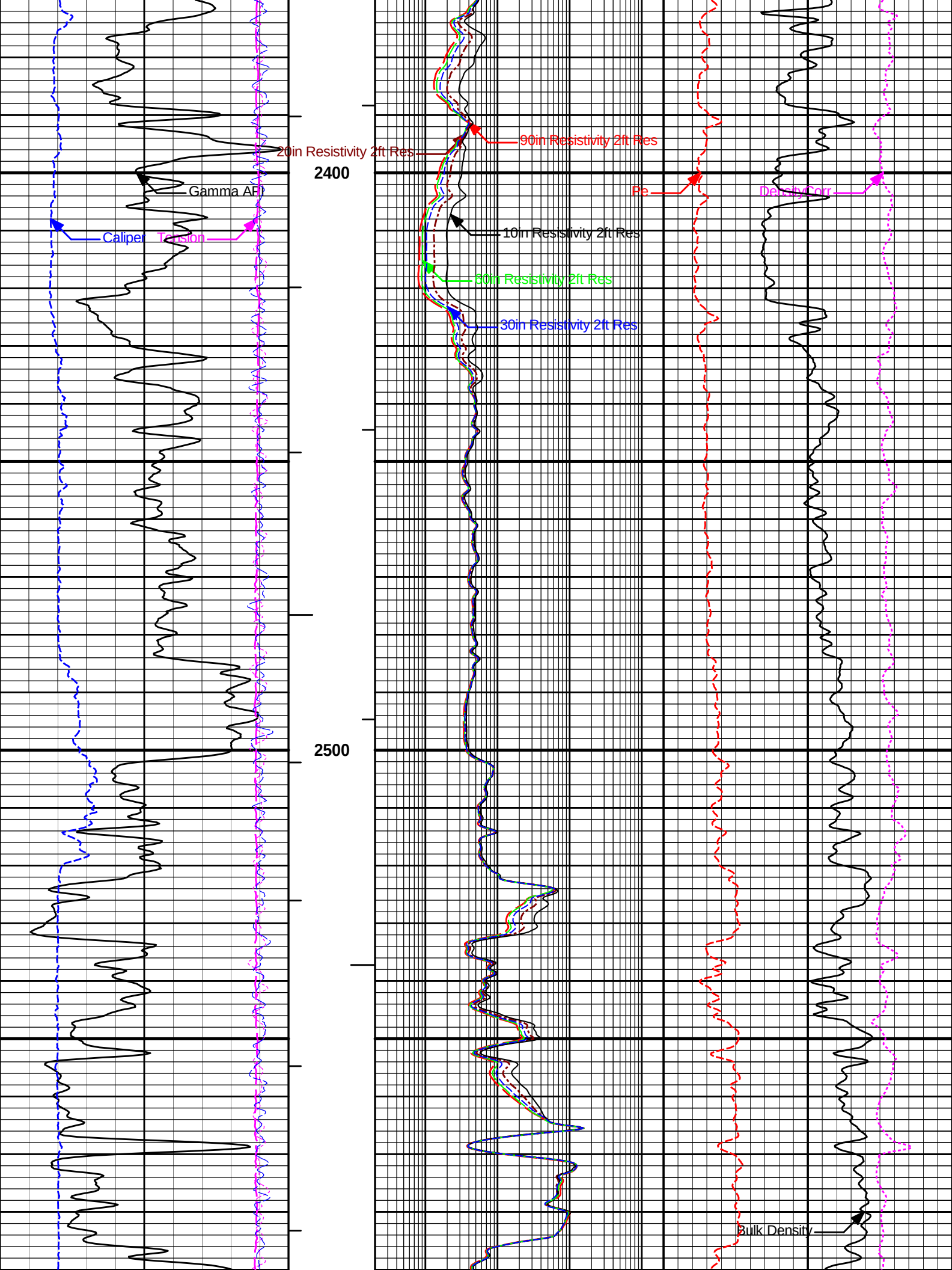


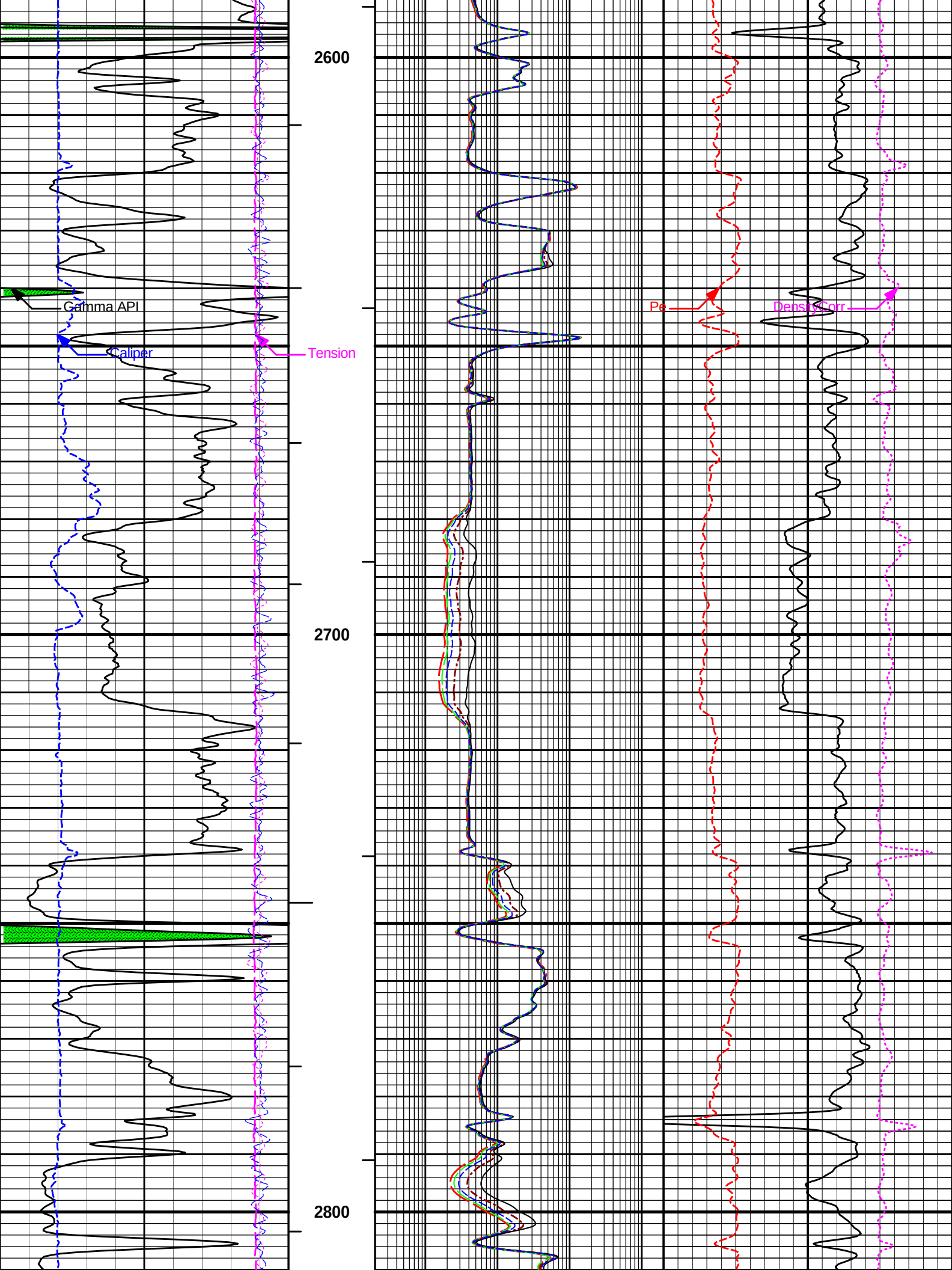


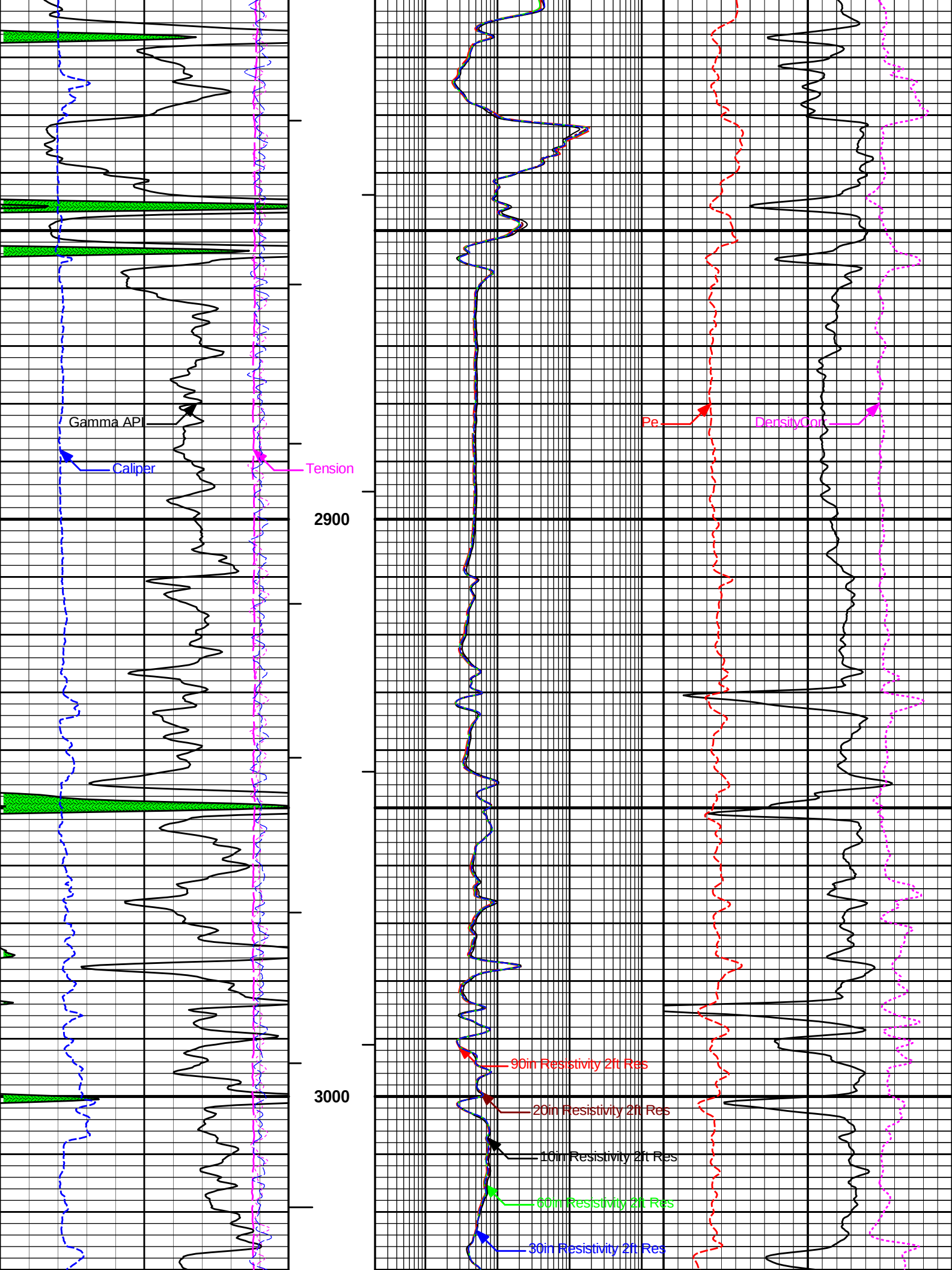


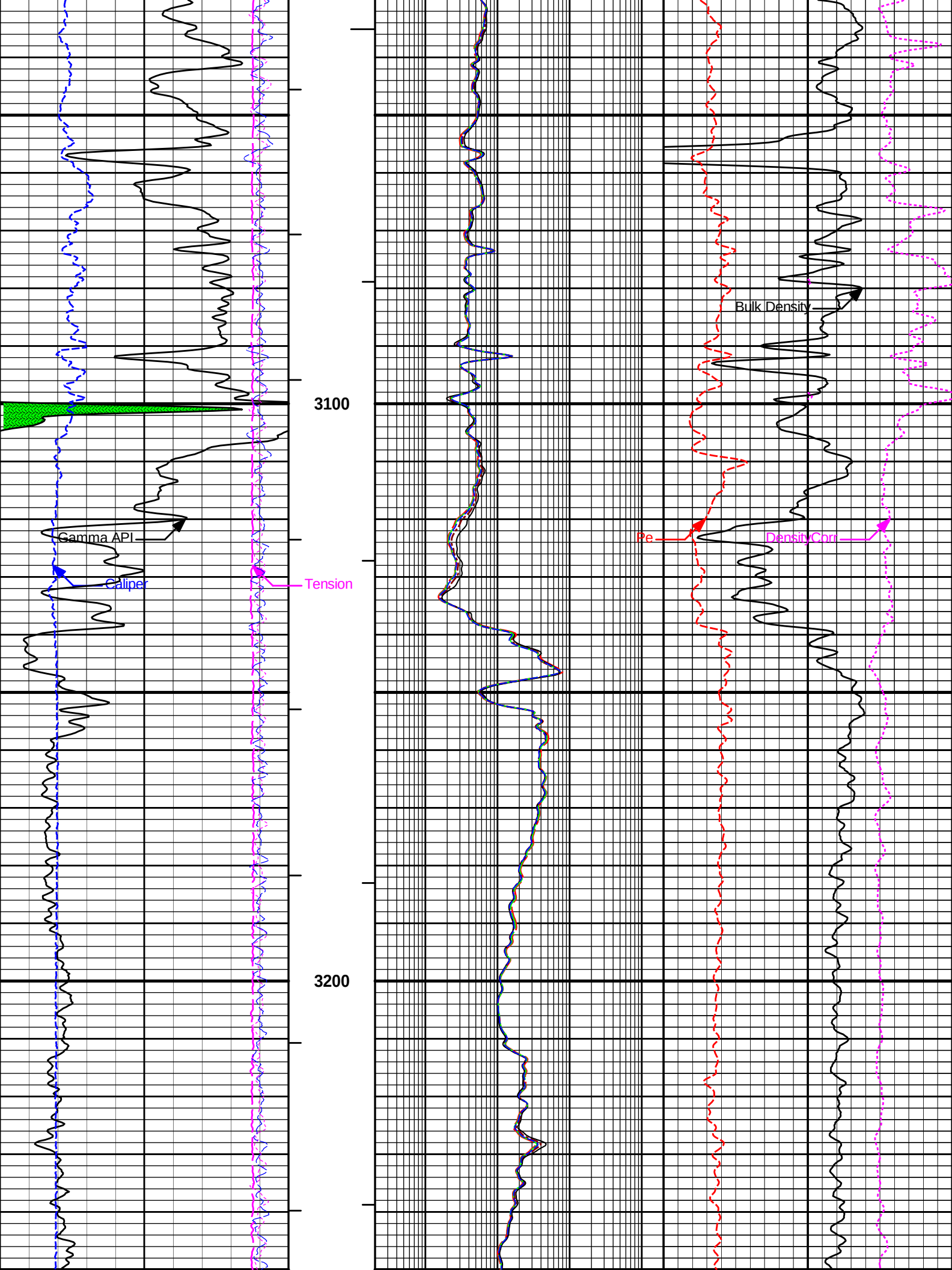


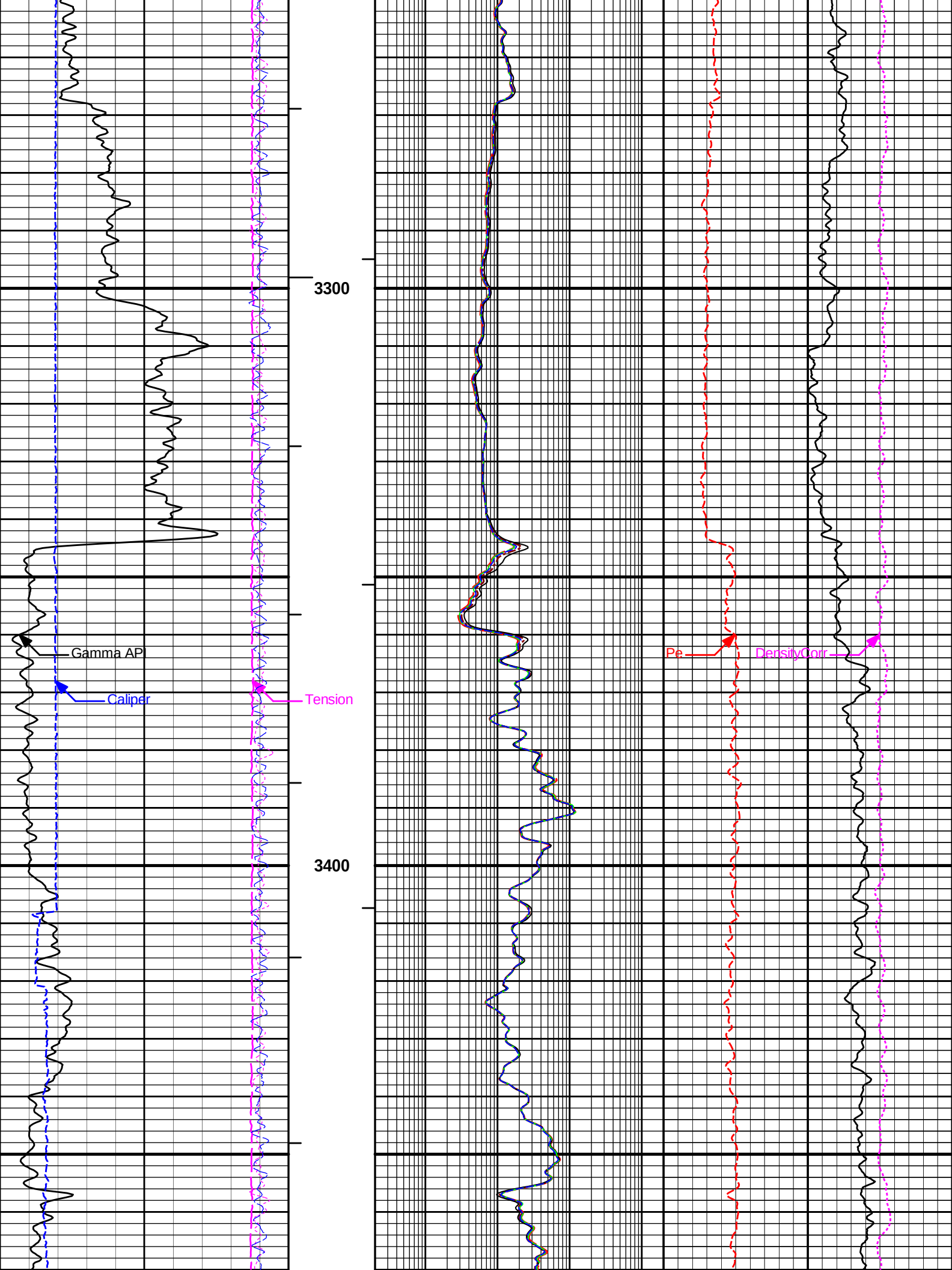


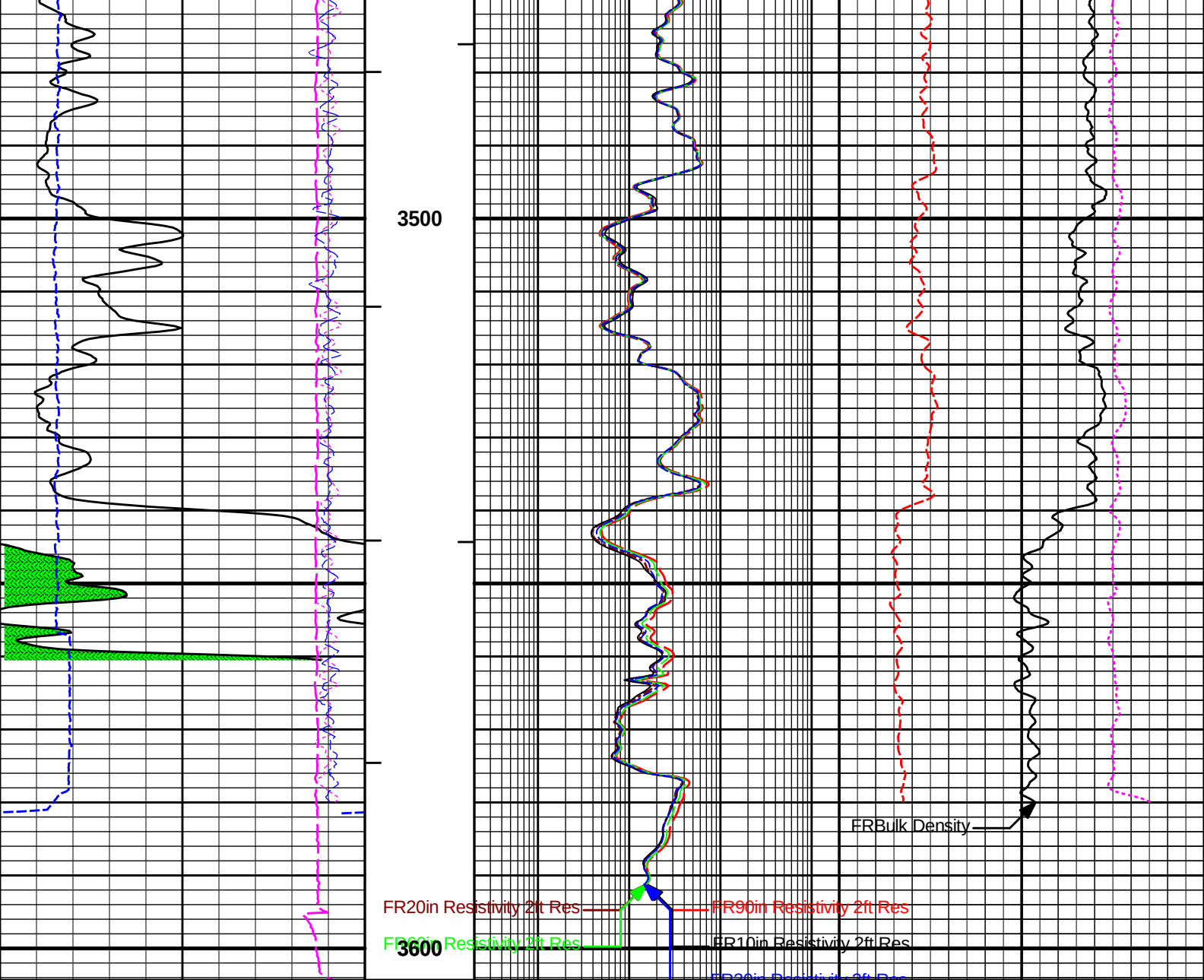












0	Gamma API	150	1 : 240 ft	0.2	90in Resistivity 2ft Res	2000	0	Pe	10	-0.25	DensityCorr	0.25
	api				ohmm			barns/electron			gram per cc	
15K	Tension	0	BHVT	0.2	20in Resistivity 2ft Res	2000	2	Bulk Density		3		
	pounds				ohmm			g/cc				
6	Caliper	16	AHVT	0.2	10in Resistivity 2ft Res	2000						
	inches				ohmm							
-18	NearQuality	2		0.2	60in Resistivity 2ft Res	2000						
				ohmm								
18	FarQuality	-2		0.2	30in Resistivity 2ft Res	2000						
					ohm-metre							

HALLIBURTON

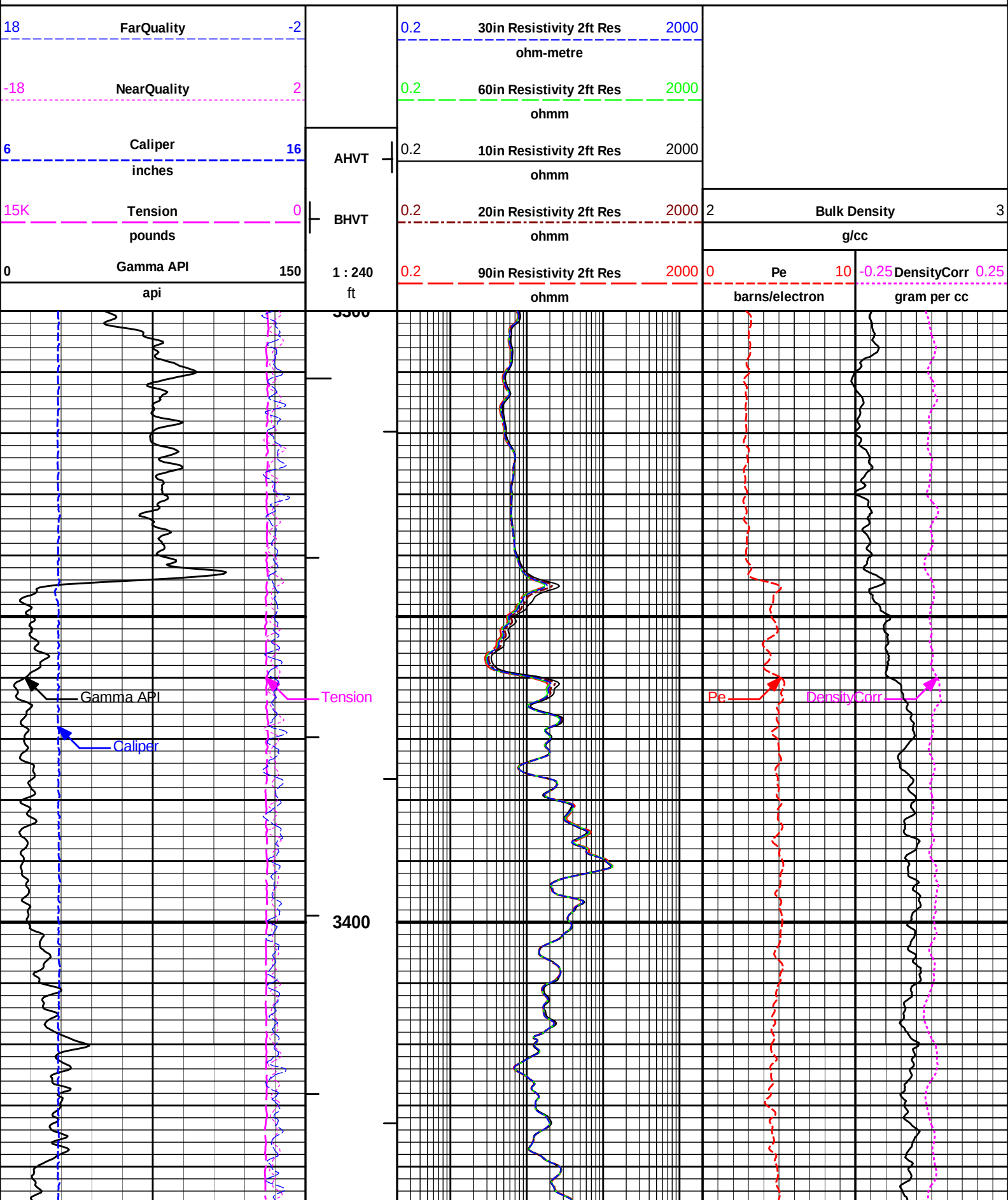
Plot Time: 04-Oct-13 10:04:46
Plot Range: 200 ft to 3604.33 ft
Data: TAOS_W_Maddix\Well Based*\n
Plot File: \\COMBO\\SEECO_TRIPLE_BULK_IQ

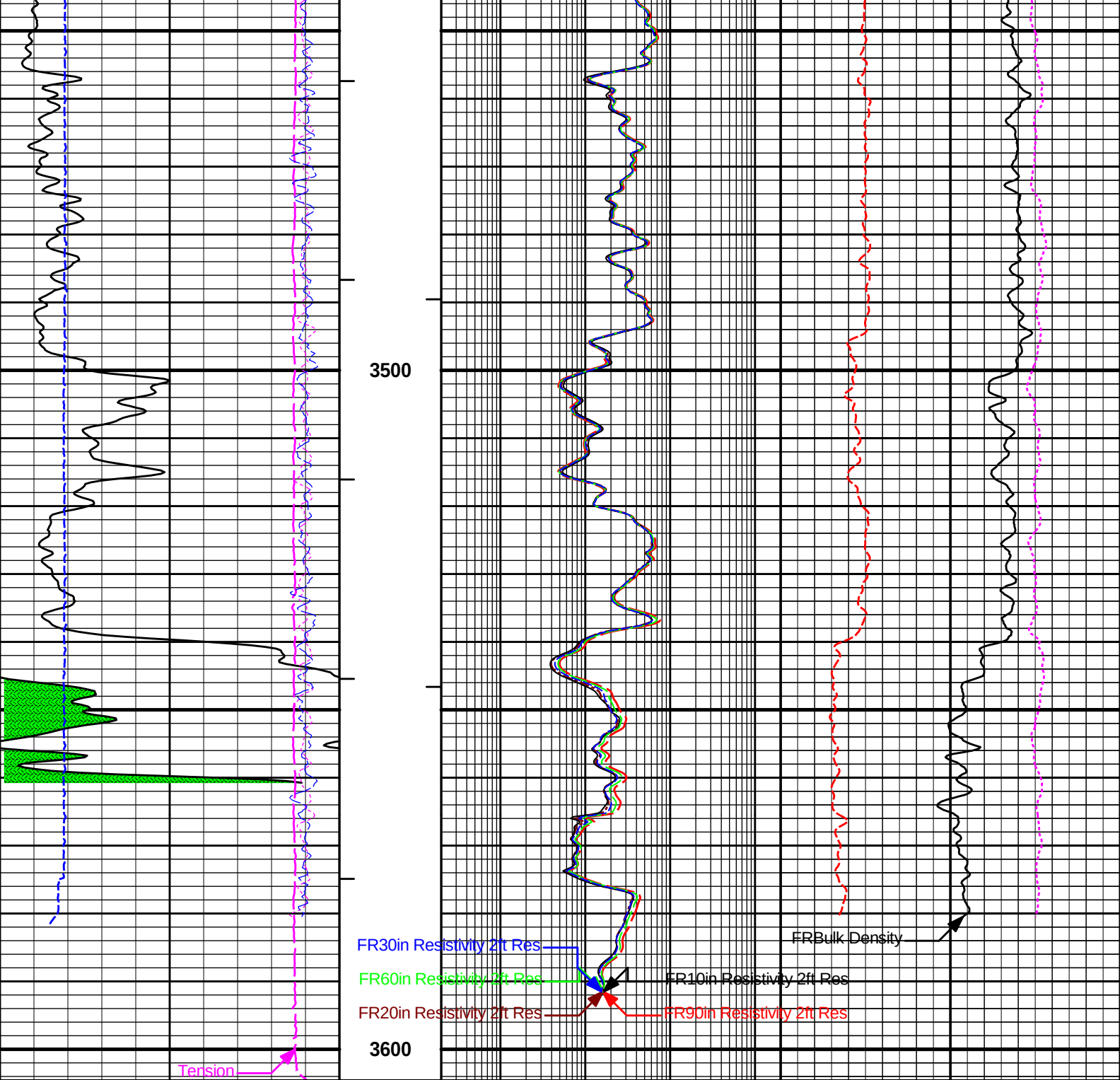
5 INCH MAIN LOG

HALLIBURTON

Plot Time: 04-Oct-13 10:04:46
Plot Range: 200 ft to 3604.33 ft

REPEAT SECTION





0	Gamma API	150	1 : 240 ft	0.2	90in Resistivity 2ft Res	2000	0	Pe	10	-0.25	DensityCorr	0.25
	api				ohmm			barns/electron			gram per cc	
15K	Tension	0	BHVT	0.2	20in Resistivity 2ft Res	2000	2	Bulk Density				
	pounds				ohmm			g/cc				
6	Caliper	16	AHVT	0.2	10in Resistivity 2ft Res	2000						
	inches				ohmm							
-18	NearQuality	2		0.2	60in Resistivity 2ft Res	2000						
					ohmm							
18	FarQuality	-2		0.2	30in Resistivity 2ft Res	2000						
					ohm-metre							

HALLIBURTON

Plot Time: 04-Oct-13 10:04:48
 Plot Range: 3300 ft to 3604.58 ft
 Data: TAOS_W_Maddix\Well Based\DAQ-0001-0021

REPEAT SECTION

HALLIBURTON

PARAMETERS REPORT

Depth (ft)	Tool Name	Description	Value	Units
TOP				
	SHARED	Bit Size	7.875	in
	SHARED	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	Mud Base	Water	
	SHARED	Borehole Fluid Weight	9.300	ppg
	SHARED	Weighting Agent	Natural	
	SHARED	Borehole salinity	0.00	ppm
	SHARED	Formation Salinity NaCl	0.00	ppm
	SHARED	Percent K in Mud by Weight?	0.00	%
	SHARED	Mud Resistivity	0.500	ohmm
	SHARED	Temperature of Mud	75.0	degF
	SHARED	Logging Interval is Cased?	No	
	SHARED	AHV Casing OD	5.500	in
	SHARED	Surface Temperature	75.0	degF
	SHARED	Total Well Depth	3700.00	ft
	SHARED	Bottom Hole Temperature	110.0	degF
	SHARED	Navigation and Survey Master Tool	NONE	
	SHARED	High Res Z Accelerometer Master Tool	GTET	
	SHARED	Temperature Master Tool	NONE	
	SHARED	Borehole Size Master Tool	NONE	
	GTET	Process Gamma Ray?	Yes	
	GTET	Gamma Tool Standoff	0.000	in
	GTET	Process Gamma Ray EVR?	No	
	GTET	Tool Position for Gamma Ray Tools.	Eccentered	
	DSNT	Process DSN?	Yes	
	DSNT	Process DSN EVR?	No	
	DSNT	Neutron Lithology	Limestone	
	DSNT	DSN Standoff - 0.25 in (6.35 mm) Recommended	0.250	in
	DSNT	Temperature Correction Type	None	
	DSNT	DSN Pressure Correction Type	None	
	DSNT	View More Correction Options	No	
	DSNT	Use TVD for Gradient Corrections?	No	
	DSNT	Logging Horizontal Water Tank?	No	
	SDLT	Process Caliper Outputs?	Yes	
	SDLT Pad	Process Density?	Yes	
	SDLT Pad	Process Density EVR?	No	
	SDLT Pad	Logging Calibration Blocks?	No	
	SDLT Pad	SDLT Pad Temperature Valid?	Yes	
	SDLT Pad	Disable temperature warning	No	
	SDLT Pad	Formation Density Matrix	2.710	g/cc
	SDLT Pad	Formation Density Fluid	1.000	g/cc
	Microlog Pad	Process MicroLog Outputs?	Yes	
	ACRt Sonde	Process ACRt?	Yes	
	ACRt Sonde	Minimum Tool Standoff	1.50	in

ACRt Sonde	Temperature Correction Source	FP Lwr & FP Up	
ACRt Sonde	Tool Position	Free Hanging	
ACRt Sonde	Rmud Source	Mud Cell	
ACRt Sonde	Minimum Resistivity for MAP	0.20	ohmm
ACRt Sonde	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	Threshold Quality	0.50	
ACRt Sonde	Fixed mud resistivity	2000	ohmm
BOTTOM			
Data: TAOS_W_Maddix\0001 GTET-DSNT-SDLT-ACRT\IDLE			Date: 04-Oct-13 03:06:43

HALLIBURTON

CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION			
Tool Name:	GTET - 10957072	Reference Calibration Date:	26-Aug-13 13:12:42
Engineer:	HOFKAMP	Calibration Date:	23-Sep-13 08:47:59
Software Version:	WL INSITE R3.8.10 (Build 5)	Calibration Version:	1

Calibrator Source S/N: TB-79
Calibrator API Reference:222.00 api
Equivalent Calibrator API Reference:225.9 api

Measurement	Measured	Calibrated	Units
Background	29.5	29.5	api
Background + Calibrator	255.4	255.4	api
Calibrator	225.9	225.9	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION			
Tool Name:	GTET - 10957072	Reference Calibration Date:	23-Sep-13 08:47:59
Engineer:	WHITLOCK	Calibration Date:	25-Sep-13 10:01:51
Software Version:	WL INSITE R3.8.10 (Build 5)	Calibration Version:	1

Calibrator Source S/N: TB-79
Calibrator API Reference:222.00 api
Equivalent Calibrator API Reference:225.9 api

Field Verification	Shop	Field	Units
Background	29.5	28.3	api
Background + Calibrator	255.4	257.2	api
Calibrator	225.9	228.9	api

Shop	Field	Difference	Tolerance
225.9	228.9	-3.0	+/- 9.00

DUAL SPACED NEUTRON SHOP CALIBRATION			
Tool Name:	DSNT - 10958654	Reference Calibration Date:	02-Aug-13 12:12:29
Engineer:	HOFKAMP	Calibration Date:	10-Sep-13 11:23:10
Software Version:	WL INSITE R3.8.10 (Build 5)	Calibration Version:	1

Logging Source S/N: DSN-373
Tank Serial Number: FTSM HORIZONTAL TANK
Reference value assigned to Tank: 56.100
Snow Block S/N: FTSM
Calibration Tank Water Temperature: 89 degF
Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS			
Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	1.003	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):	0.2350	0.2358	0.0008	+/- 0.0020
Calibrated Ratio:	10.53	10.56	0.027	+/- 0.050

VERIFIER		
Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0784	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 - 10958654	Reference Calibration Date:	10-Sep-13 11:23:10
Engineer:	WHITLOCK	Calibration Date:	30-Sep-13 17:51:09
Software Version:	WL INSITE R3.8.10 (Build 5)	Calibration Version:	1

Logging Source S/N: DSN-373
Snow Block S/N: FTSM

NEUTRON FIELD-CHECK SUMMARY			
	Shop	Field	Control Limit On Change
Snow-Block Porosity (decp):	0.0784	0.0822	+/- 0.0150

PASS/FAIL SUMMARY	
Block Change Check:	Passed
Snow Block Stat Check:	Passed
Temperature Check:	Passed

SPECTRAL DENSITY SHOP CALIBRATION			
Tool Name:	SDLT Pad - 10809130	Reference Calibration Date:	10-Sep-13 09:52:14
Engineer:	HOFKAMP	Calibration Date:	10-Sep-13 10:10:44
Software Version:	WL INSITE R3.8.10 (Build 5)	Calibration Version:	1

Logging Source S/N: 20784B
Aluminum Block S/N: FTSM AL BLOCK Density: 2.581g/cc Pe: 3.170
Magnesium Block S/N: FTSM MG BLOCK Density: 1.687g/cc Pe: 2.594

DENSITY CALIBRATION SUMMARY			
Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0513	1.0637	0.90 - 1.10
Near Dens Gain	1.0351	1.0318	0.90 - 1.10
Near Peak Gain	1.0464	1.0454	0.90 - 1.10
Near Lith Gain	1.0441	1.0546	0.90 - 1.10
Far Bar Gain	1.0152	1.0156	0.90 - 1.10
Far Dens Gain	1.0017	1.0017	0.90 - 1.10
Far Peak Gain	0.9997	0.9997	0.90 - 1.10

Far Peak Gain	0.9995	0.9995	0.90 - 1.10
Far Lith Gain	0.9786	0.9751	0.90 - 1.10
Near Bar Offset	-0.2437	-0.3548	NONE
Near Dens Offset	-0.0901	-0.0617	NONE
Near Peak Offset	-0.2035	-0.1955	NONE
Near Lith Offset	-0.2139	-0.3044	NONE
Far Bar Offset	0.0112	0.0071	NONE
Far Dens Offset	0.1171	0.1154	NONE
Far Peak Offset	0.1126	0.1110	NONE
Far Lith Offset	0.2328	0.2606	NONE
Near Bar Background	785.31	783.52	700 - 1450
Near Dens Background	261.29	263.27	230 - 480
Near Peak Background	115.63	116.88	100 - 210
Near Lith Background	136.93	138.82	125 - 260
Far Bar Background	503.50	503.91	450 - 900
Far Dens Background	195.71	195.55	175 - 345
Far Peak Background	76.58	77.21	70 - 140
Far Lith Background	78.52	80.06	75 - 145

CALIBRATION BLOCK SUMMARY				
Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.685	1.687	0.002	+/- 0.015
Pe	2.537	2.563	0.026	+/- 0.150
ALUMINUM				
Density (g/cc)	2.579	2.580	0.001	+/- 0.01500
Pe	3.106	3.136	0.030	+/- 0.150

TOOL SUMMARY				
Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	-0.0004	+/- 0.0110	0.0001	+/- 0.0140
Magnesium Block	-0.0006	+/- 0.0110	-0.0025	+/- 0.0140
Aluminum Block	-0.0003	+/- 0.0110	-0.0011	+/- 0.0140
Resolution	8.75	6.00 - 11.50	9.35	6.00 - 11.50
Internal Verifier(B+D+P+L)	1302	1200 - 2700	857	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: DSNT Pad - 10958654		Reference Calibration Date: 23-Sep-13 10:12:58		
Engineer: WHITLOCK	Calibration Date: 30-Sep-13 17:42:55			
Software Version: WL INSITE R3.8.10 (Build 5)	Calibration Version: 1			
Pad Temperature: 92.9 degF				
DENSITY FIELD CALIBRATION SUMMARY				
Measurement	Shop	Field	Change	Control Limit +/-
Near (B+D+P+L) cps	1302.484	1301.149	-1.335	14.610
Far (B+D+P+L) cps	856.735	851.746	-4.989	16.038
Near Resolution	8.75	8.91	0.160	0.50
Far Resolution	9.35	9.53	0.180	1.00
PASS/FAIL SUMMARY				
Bkg Quality Check:		Passed		
Bkg Resolution Check:		Passed		
Bkg Verification Check:		Passed		

MICRO LOG SHOP CALIBRATION			
Tool Name: Microlog Pad - 10948154	Reference Calibration Date: 23-Sep-13 10:12:58		
Engineer: WHITLOCK	Calibration Date: 30-Sep-13 17:37:18		
Software Version: WL INSITE R3.8.10 (Build 5)	Calibration Version: 1		
Host Tool Name: DSNT - 10958654			

CALIBRATION COEFFICIENT SUMMARY					
Measurement	Micro Log Normal		Micro Log Lateral		Units
	Measured	Calibrated	Measured	Calibrated	
Tool Zero	-0.14	-0.32	0.02	0.02	ohmm
Calibration Point #1	0.19	0.00	0.00	0.00	ohmm
Calibration Point #2	20.26	20.00	20.07	20.00	ohmm
Internal Reference	19.94	19.67	20.06	19.99	ohmm
Measurement	Micro Log Normal Tool Value		Micro Log Lateral Tool Value		Units
Tool Zero	0.71		6.40		V
Calibration Point #1	84.88		0.63		V
Calibration Point #2	5348.64		6880.18		V
Internal Reference	5263.08		6876.14		V

MICRO LOG FIELD CHECK			
Tool Name: Microlog Pad - 10948154	Reference Calibration Date: 30-Sep-13 17:37:18		
Engineer: WHITLOCK	Calibration Date: 30-Sep-13 17:37:54		
Software Version: WL INSITE R3.8.10 (Build 5)	Calibration Version: 1		

Measurement	Micro Log Normal		Micro Log Lateral		Units
	Shop	Field	Shop	Field	
Tool Zero	-0.32	-0.33	0.02	0.01	ohmm
Internal Reference	19.67	19.68	19.99	19.99	ohmm
Summary					
Signal	Shop	Field	Difference	Tolerance	
Microlog Normal	19.67	19.68	-0.01	+/- 0.80	
Microlog Lateral	19.99	19.99	0.00	+/- 0.80	

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION			
Tool Name: ACRt Sonde - 10937724	Reference Calibration Date: 07-Jul-13 09:12:21		

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 @ 50.85 ft	3.25 ft	52.10 ft
GTET-10957072 165.00 lbs		Ø 3.625 in →		← GammaRay @ 42.79 ft	8.52 ft	48.85 ft
DSNT-10958654 174.00 lbs	DSN Decentralizer- 10951378 6.60 lbs	Ø 5.000 in* → Ø 3.625 in →		← DSN Far @ 33.39 ft ← DSN Near @ 32.64 ft	9.69 ft	40.33 ft
SDLT-10948154 360.00 lbs	SDLT Pad-10809130 65.00 lbs Microlog Pad-10948154 8.00 lbs	Ø 4.500 in → Ø 4.750 in* → Ø 4.750 in* →		Microlog @ 22.83 ft SDL Caliper @ 22.65 ft SDL @ 22.64 ft	10.81 ft	30.64 ft
ACRt Instrument- 10940590 50.00 lbs	ShortAxisKit-10940590 60.00 lbs	Ø 3.620 in* → Ø 3.625 in →			5.03 ft	19.83 ft
ACRt Sonde- 10937724 200.00 lbs		Ø 3.625 in →		← Mud Resistivity @ 13.44 ft ← ACRt @ 9.46 ft	14.22 ft	14.80 ft

SP Ring-00000015
0.00 lbs

Ø 3.625 in* →

← SP @ 1.86 ft

Cabbage Head-
00000011
10.00 lbs

Ø 3.625 in
Ø 6.000 in →



0.58 ft
0.58 ft
0.00 ft

Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max.Log. Speed (fpm)
CH_HOS	Hostile Cable Head with Load Cell	CH_HOS_I	37.50	3.25	48.85	300.00
GTET	Gamma Telemetry Tool	10957072	165.00	8.52	40.33	60.00
DSNT	Dual Spaced Neutron	10958654	174.00	9.69	30.64	60.00
DCNT	DSN Decentralizer	10951378	6.60	5.13	* 33.97	300.00
SDLT	Spectral Density Tool	10948154	360.00	10.81	19.83	60.00
MICP	Microlog Pad	10948154	8.00	1.00	* 22.33	60.00
SDLP	Density Insite Pad	10809130	65.00	2.55	* 22.04	60.00
ACRt	Array Compensated True Resistivity Instrument Section	10940590	50.00	5.03	14.80	300.00
SAK	Short Axis Kit for logging short axis of a borehole.	10940590	60.00	6.01	* 14.80	300.00
ACRt	Array Compensated True Resistivity Sonde Section	10937724	200.00	14.22	0.58	300.00
SP	SP Ring	00000015	0.00	0.25	* 1.86	300.00
CBHD	Cabbage Head	00000011	10.00	0.58	0.00	300.00
Total			1,136.10	52.10		
* Not included in Total Length and Length Accumulation.						
Data: TAOS_W_Maddix\0001 GTET-DSNT-SDLT-ACRT\IDLE						
Date: 04-Oct-13 03:07:28						