

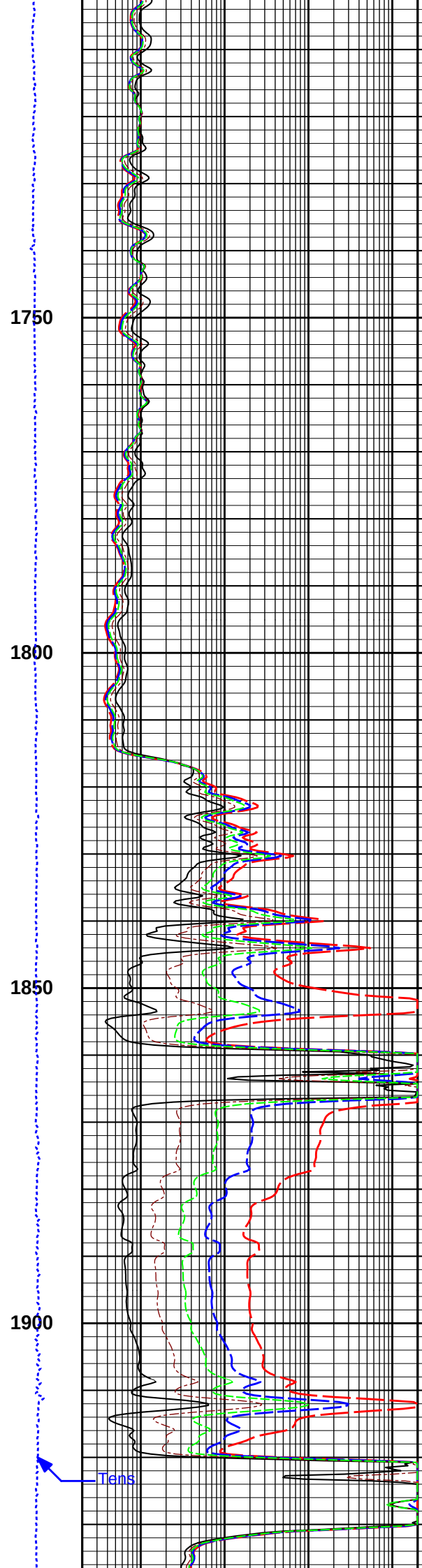
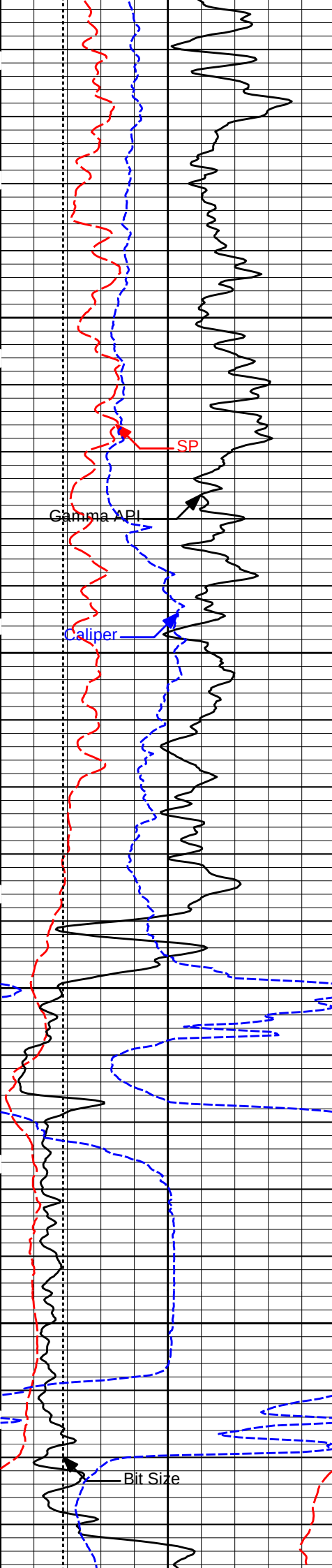
HALLIBURTON

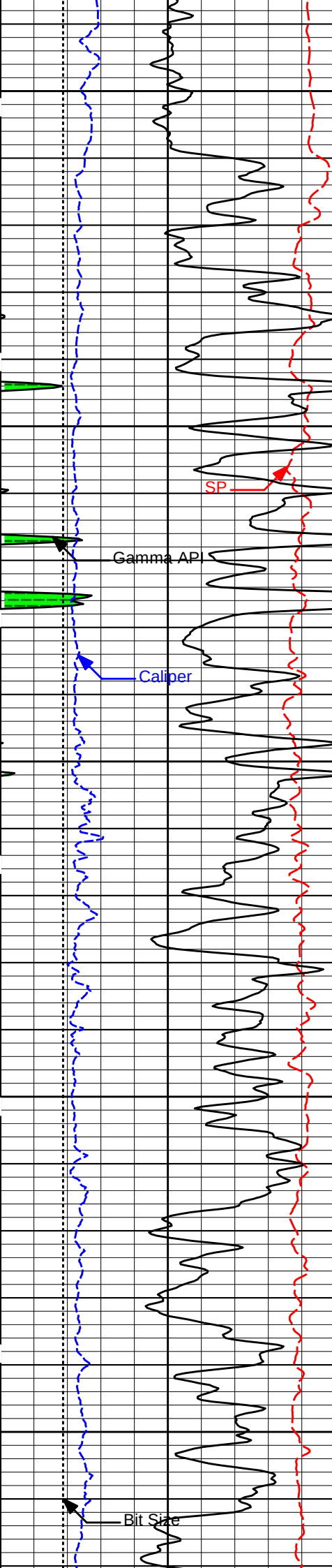
QUAD COMBO

HALLIBURTON										QUAD COMBO									
COMPANY WELL FIELD/BLOCK COUNTY STATE										COMPANY WELL FIELD/BLOCK COUNTY STATE									
MERIT ENERGY COMPANY, LLC JONES 19-1 WILDCAT FINNEY KANSAS										MERIT ENERGY COMPANY, LLC JONES 19-1 WILDCAT FINNEY KANSAS									
Permanent Datum Log measured from Drilling measured from										GL KB KB									
Date										03-Oct-16									
Run No.										ONE									
Depth - Driller										5200.0 ft									
Depth - Logger										5198.0 ft									
Bottom - Logged Interval										5188.0 ft									
Top - Logged Interval										1639.0 ft									
Casing - Driller										8.625 in									
Casing - Logger										1639.0 ft									
Bit Size										7.875 in									
Type Fluid in Hole										Water Based Mud									
Density										8.7 ppg									
PH										10.50 pH									
Source of Sample										MUD PIT									
Rm @ Meas. Temperature										1.05 ohmm									
Rmf @ Meas. Temperature										0.89 ohmm									
Rmc @ Meas. Temperature										1.21 ohmm									
Source Rmf										CHART									
Rm @ BHT										0.64 ohmm									
Time Since Circulation										16:04 hr									
Time on Bottom										03-Oct-16 07:34									
Max. Rec. Temperature										127.00 degF									
Equipment										Location									
Recorded By										MICHAEL RICHTER									
Witnessed By										RODNEY GONZALEZ									
										AUSTIN GARNIER									

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Service Ticket No.: 903576066						API No.: 15055224380000						PGM Version: WL INSITE R5.0.5 (Build 8)					
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	NONE		FREE		N/A			
Rmc @ Meas. Temp.		@				@			I-11026095								
Source Rmf	Rmc	CALC	CALC						S-11005908								
Rm @ BHT		0.64 ohmm @ 127 degF				@											
Rmf @ BHT		0.54 ohmm @ 127 degF				@											
Rmc @ BHT		0.74 ohmm @ 127 degF				@											
EQUIPMENT DATA																	
GAMMA				ACOUSTIC				DENSITY				NEUTRON					
Run No.	ONE			Run No.	ONE			Run No.	ONE			Run No.	ONE				
Serial No.	11048627			Serial No.	10939050			Serial No.	10809130			Serial No.	11019643				
Model No.	GTET			Model No.	BSAT			Model No.	SDLT			Model No.	DSNT				
Diameter	3.625"			No. of Cent.	0			Diameter	4.5"			Diameter	3.625"				
Detector Model No.	GTET			Spacing	0.5'			Log Type	GAM-GAM			Log Type	NEU-NEU				
Type	SCINT							Source Type	Cs-137			Source Type	Am241Be				
Length	8"			LSA [Y/N]				Serial No.	5168GW			Serial No.	DSN-424				
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	47.6 us/ft	30	-10	2.71 g/cc	30	-10	LIME			





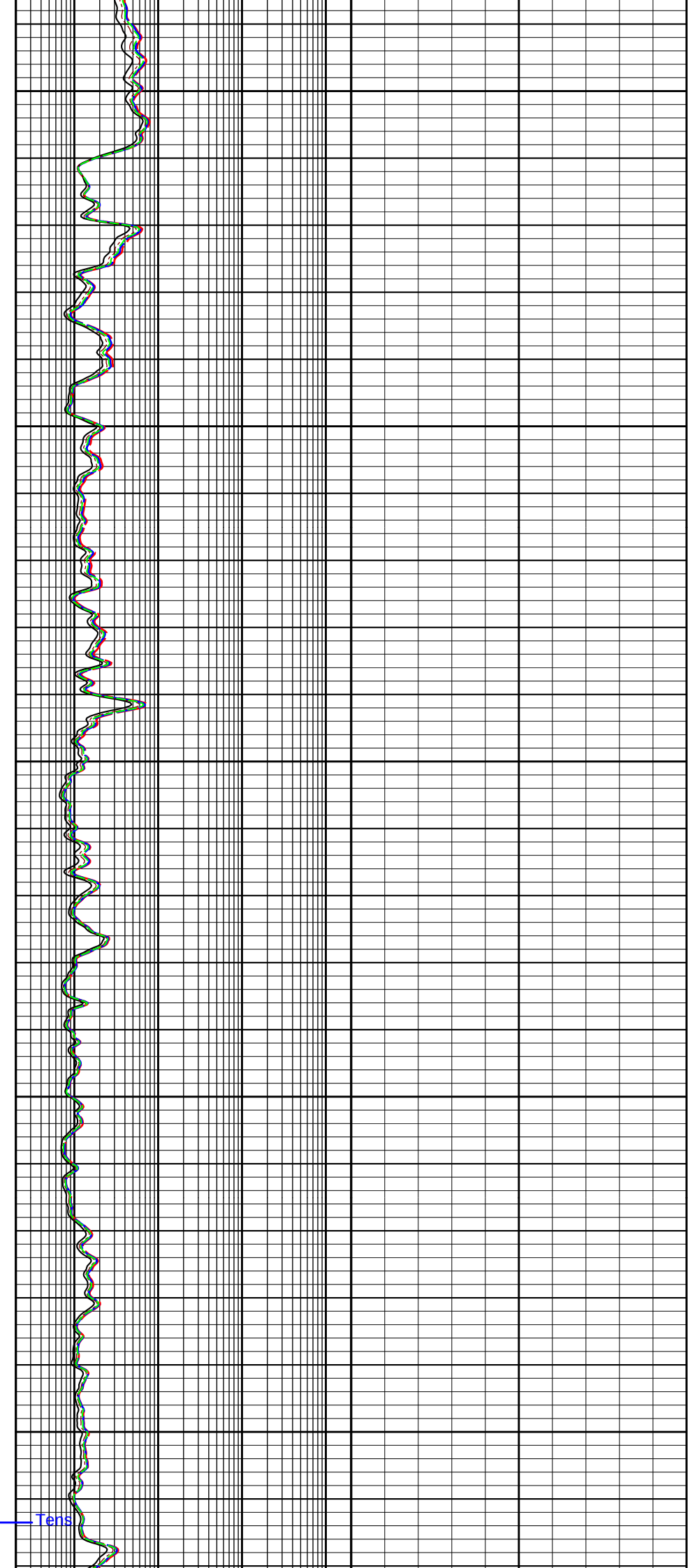
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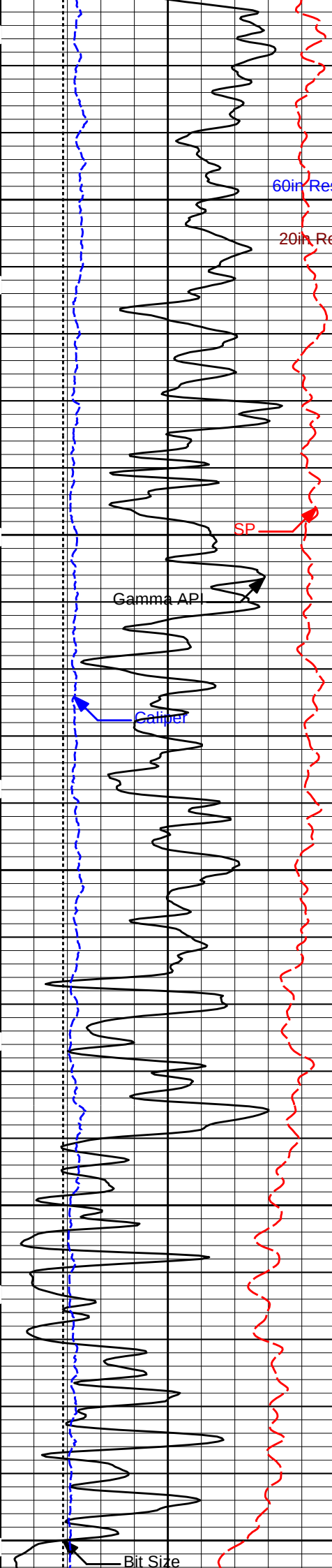
2000

2050

2100

2150





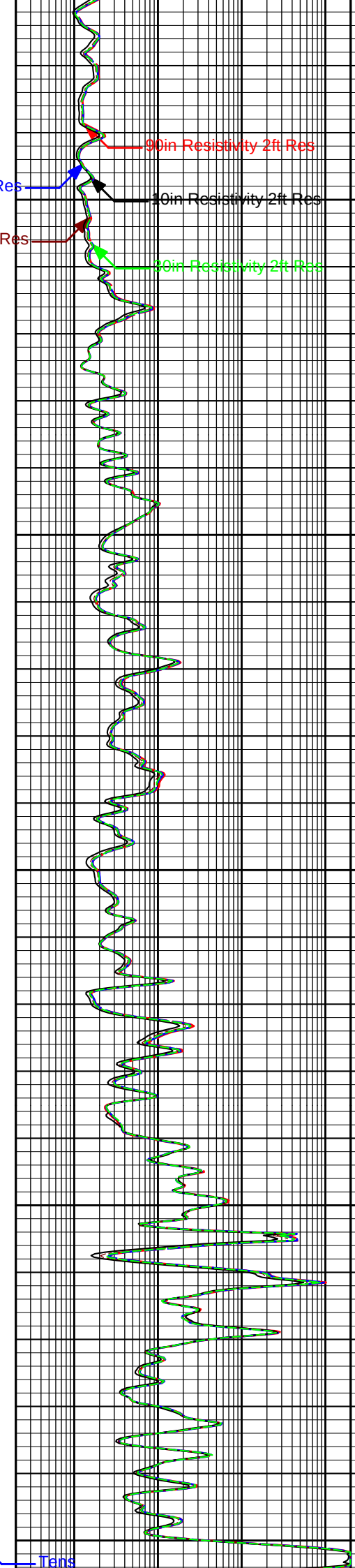
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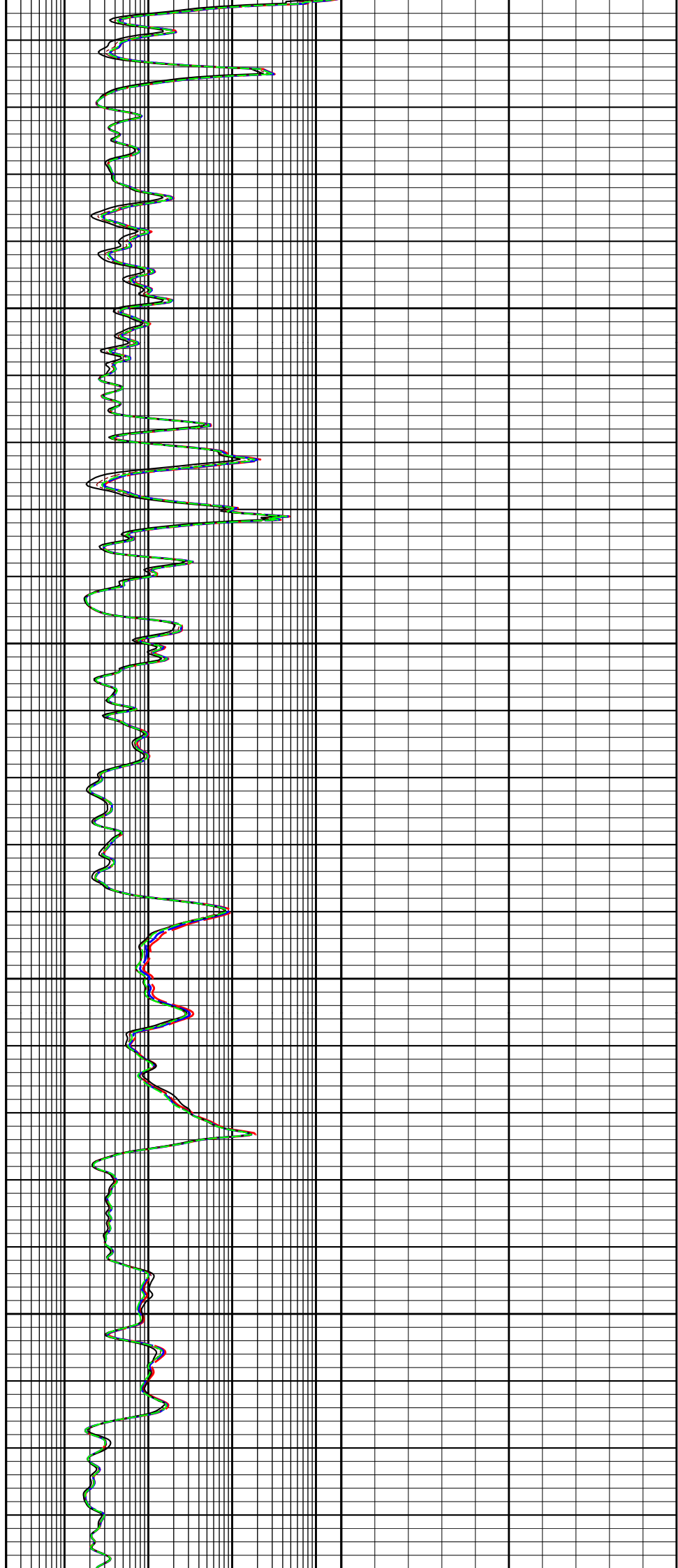
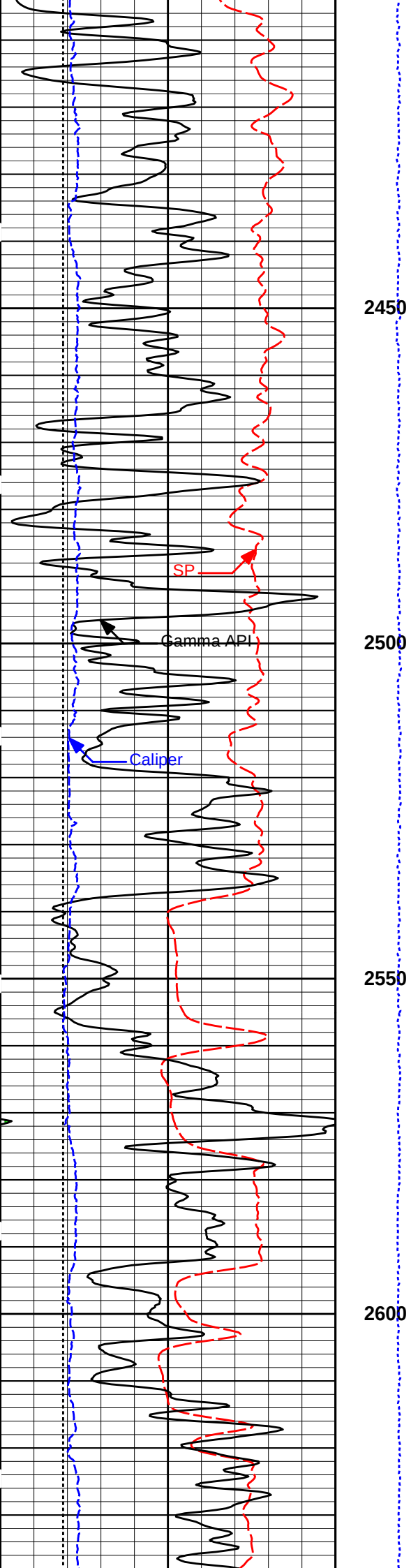
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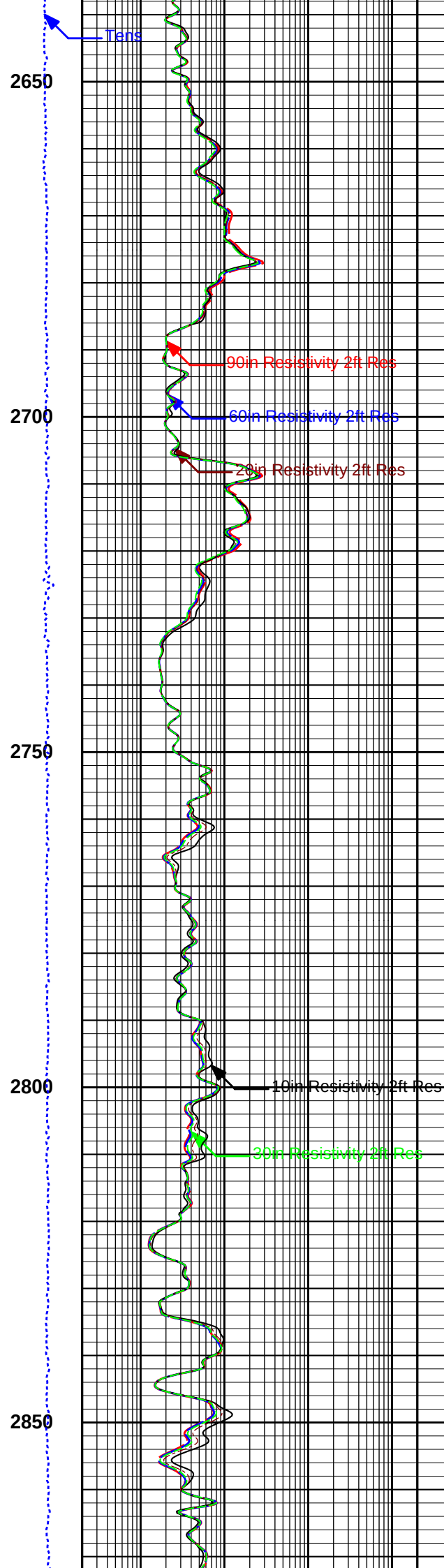
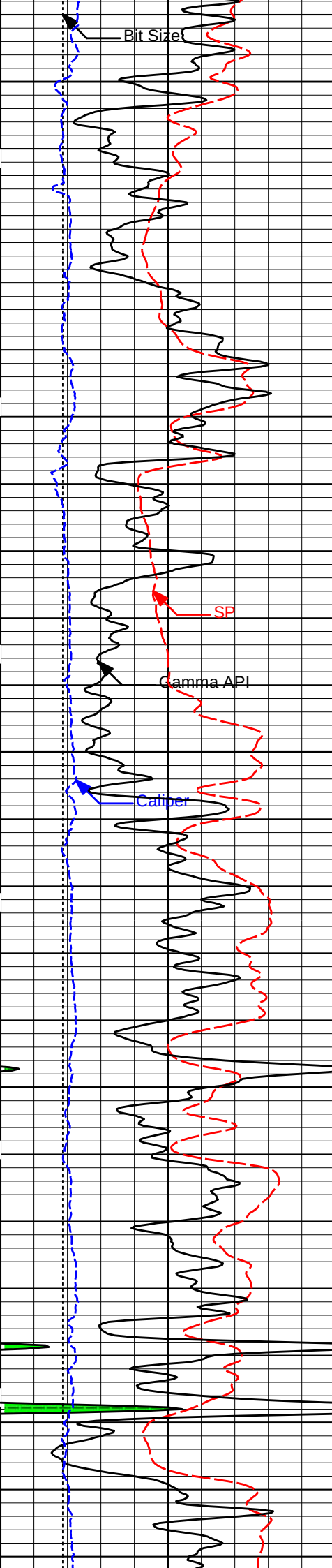
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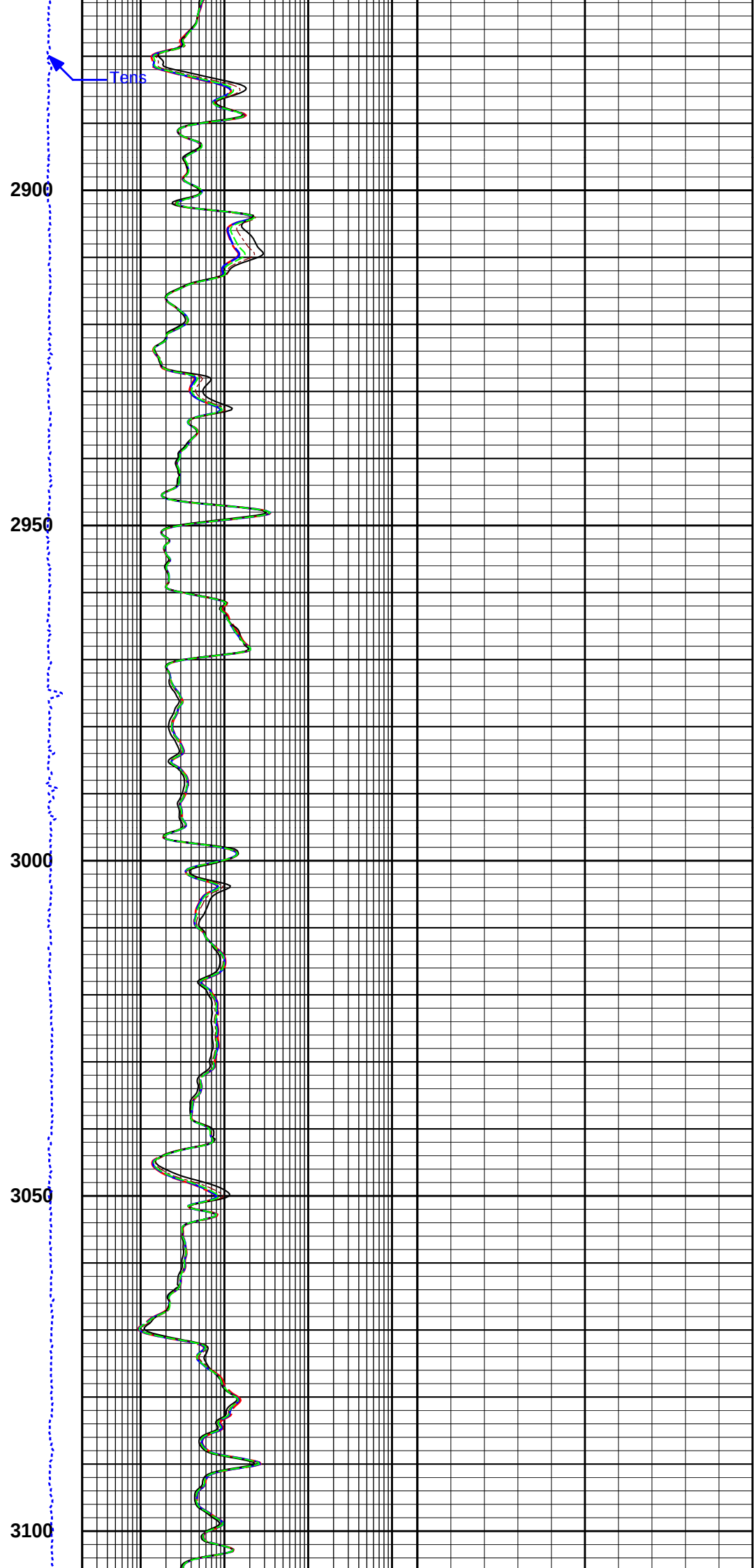
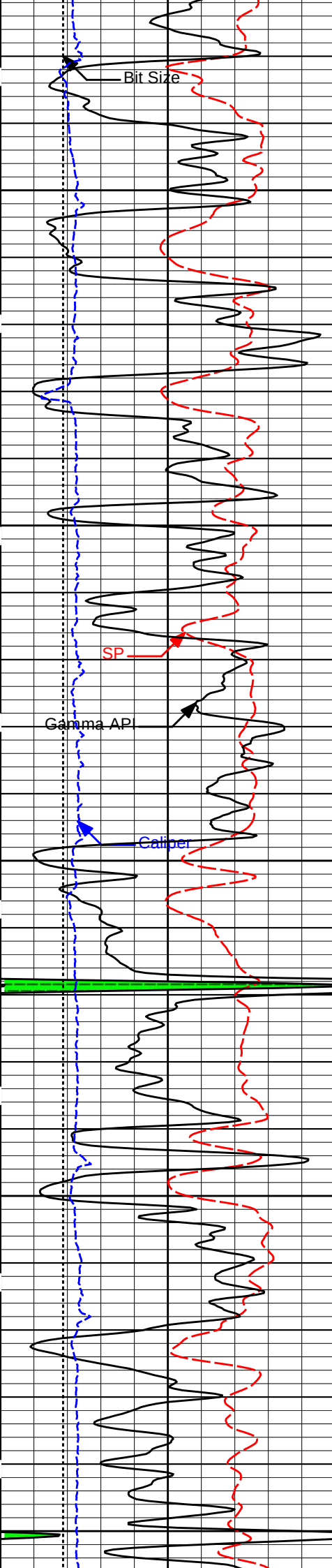
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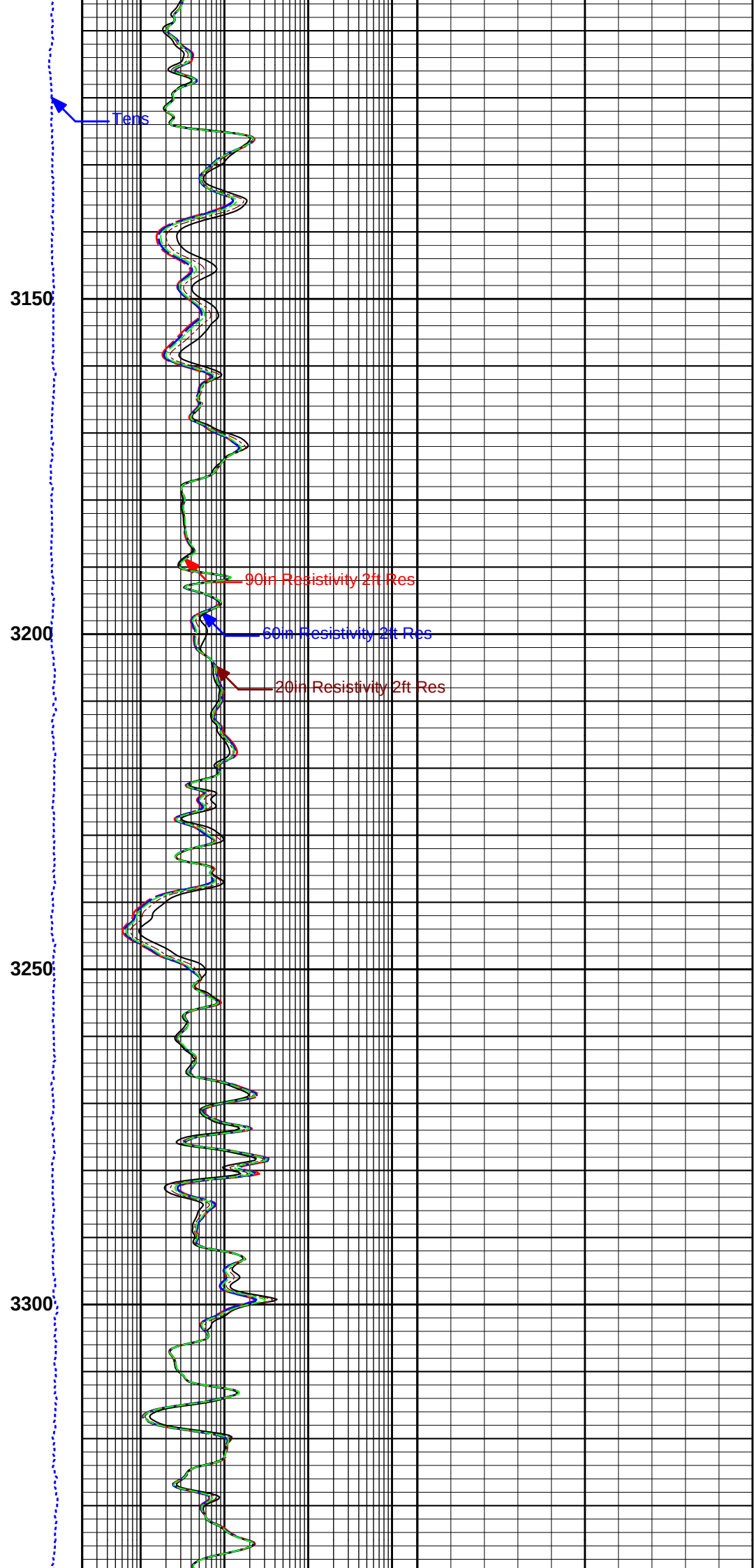
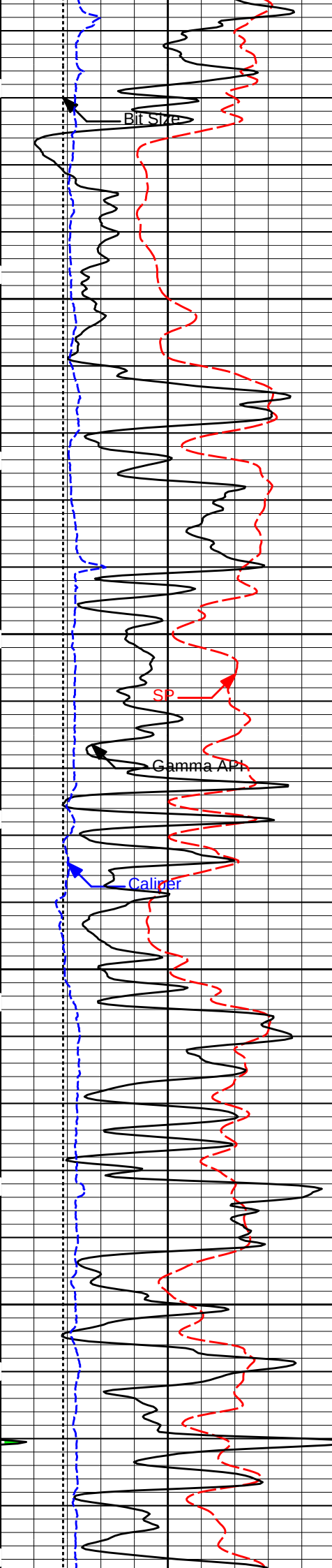
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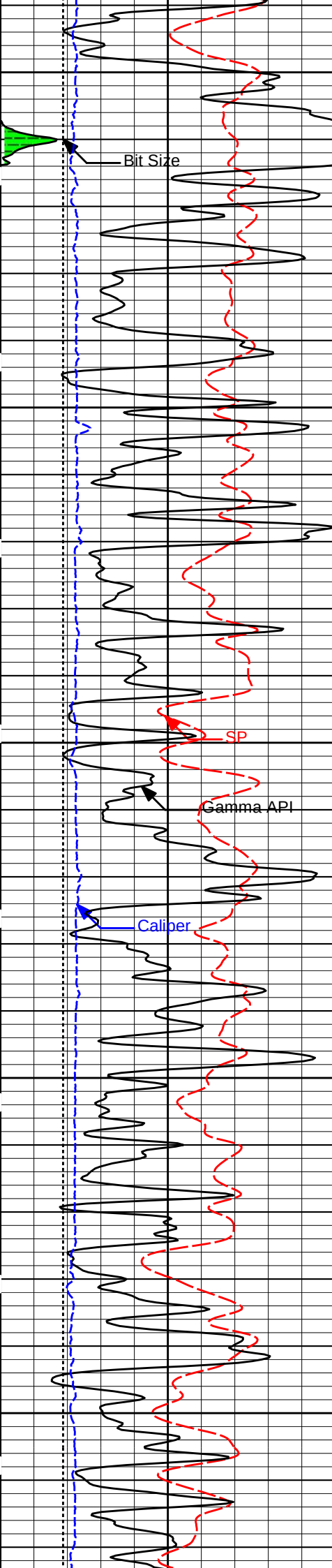












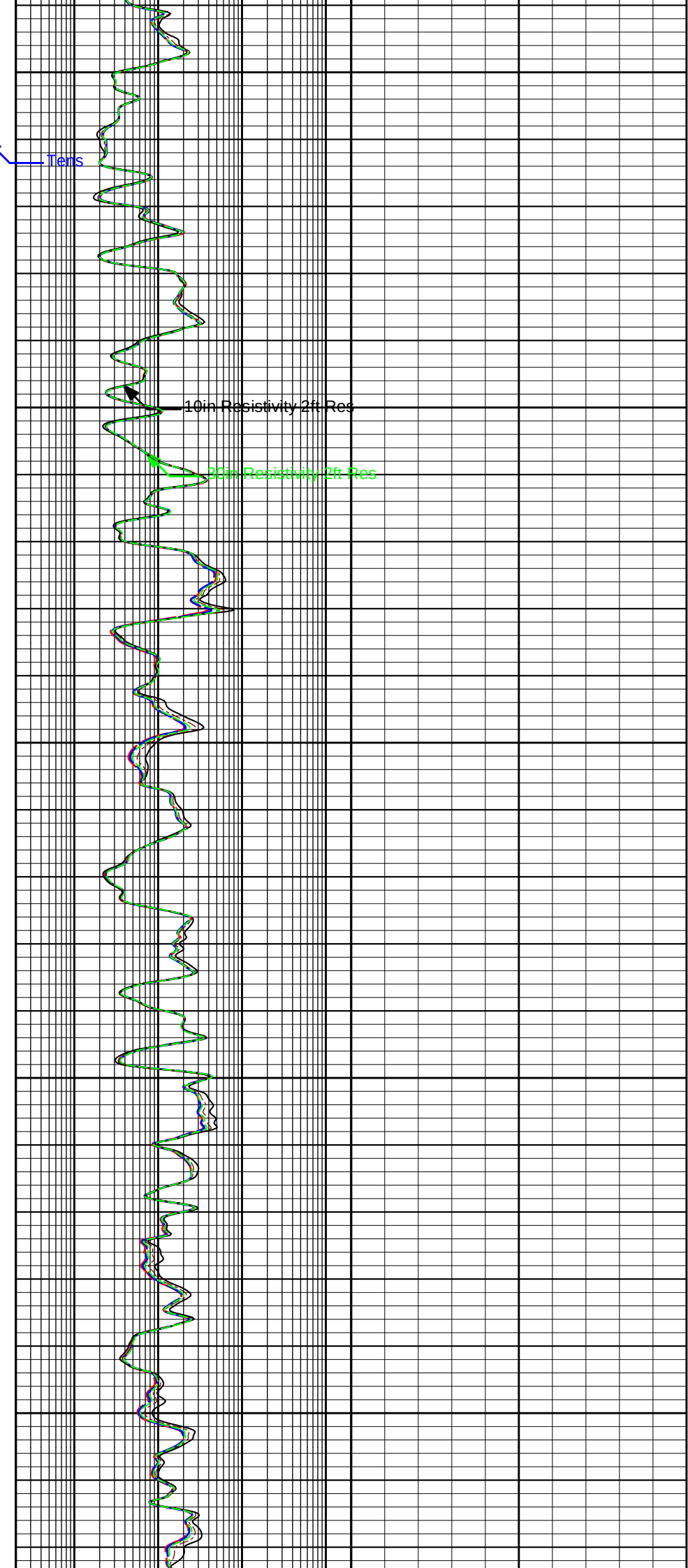
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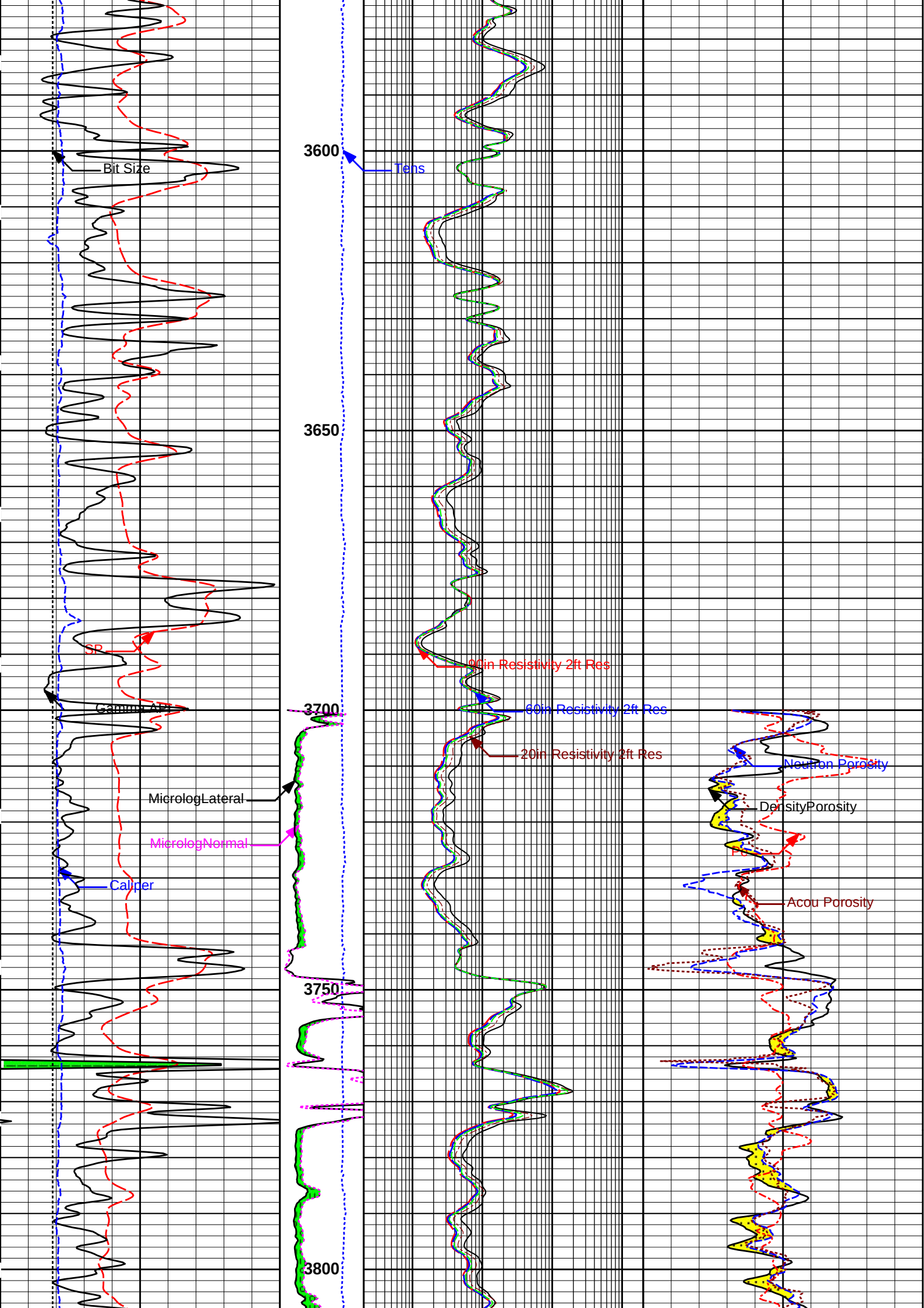
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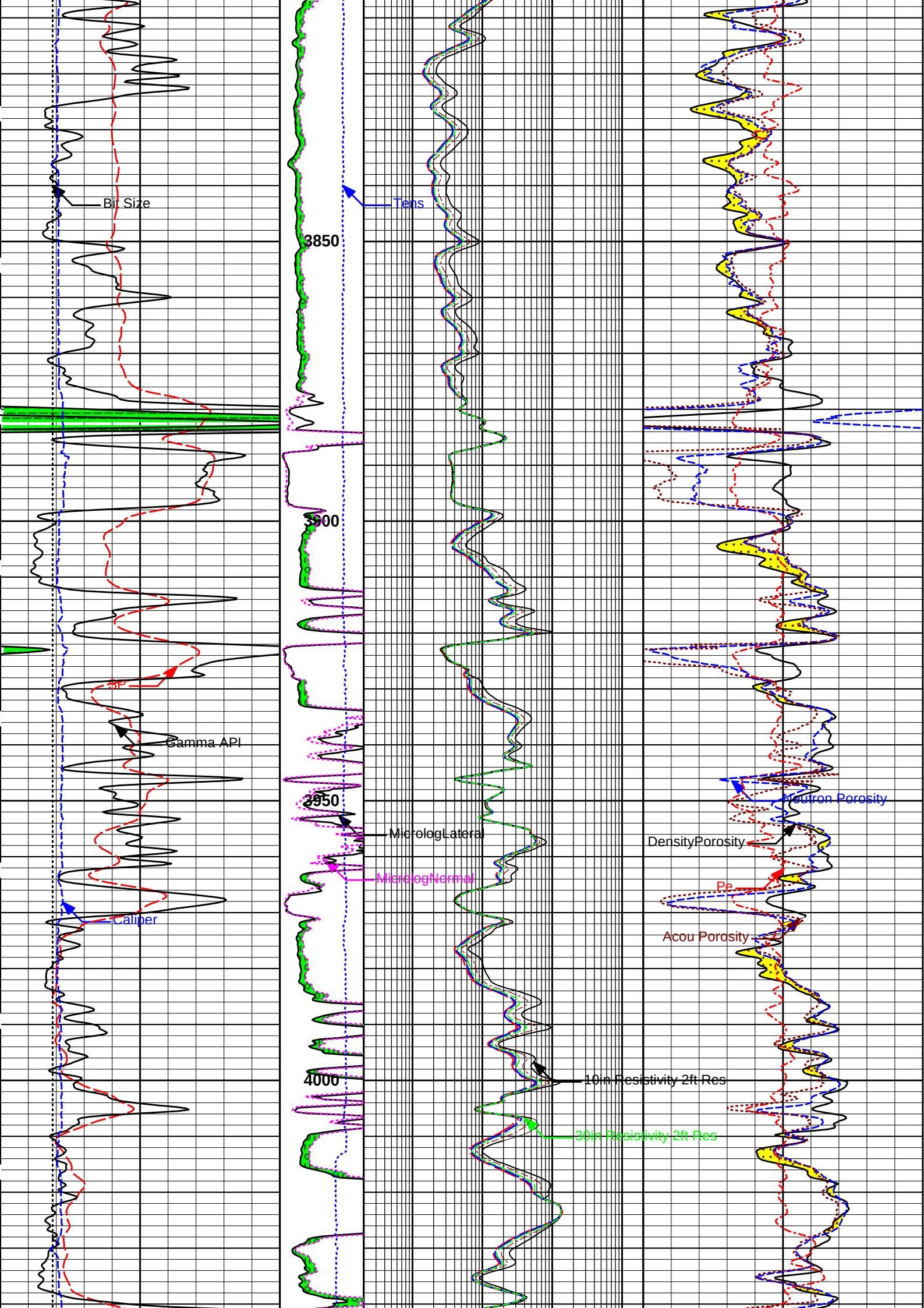
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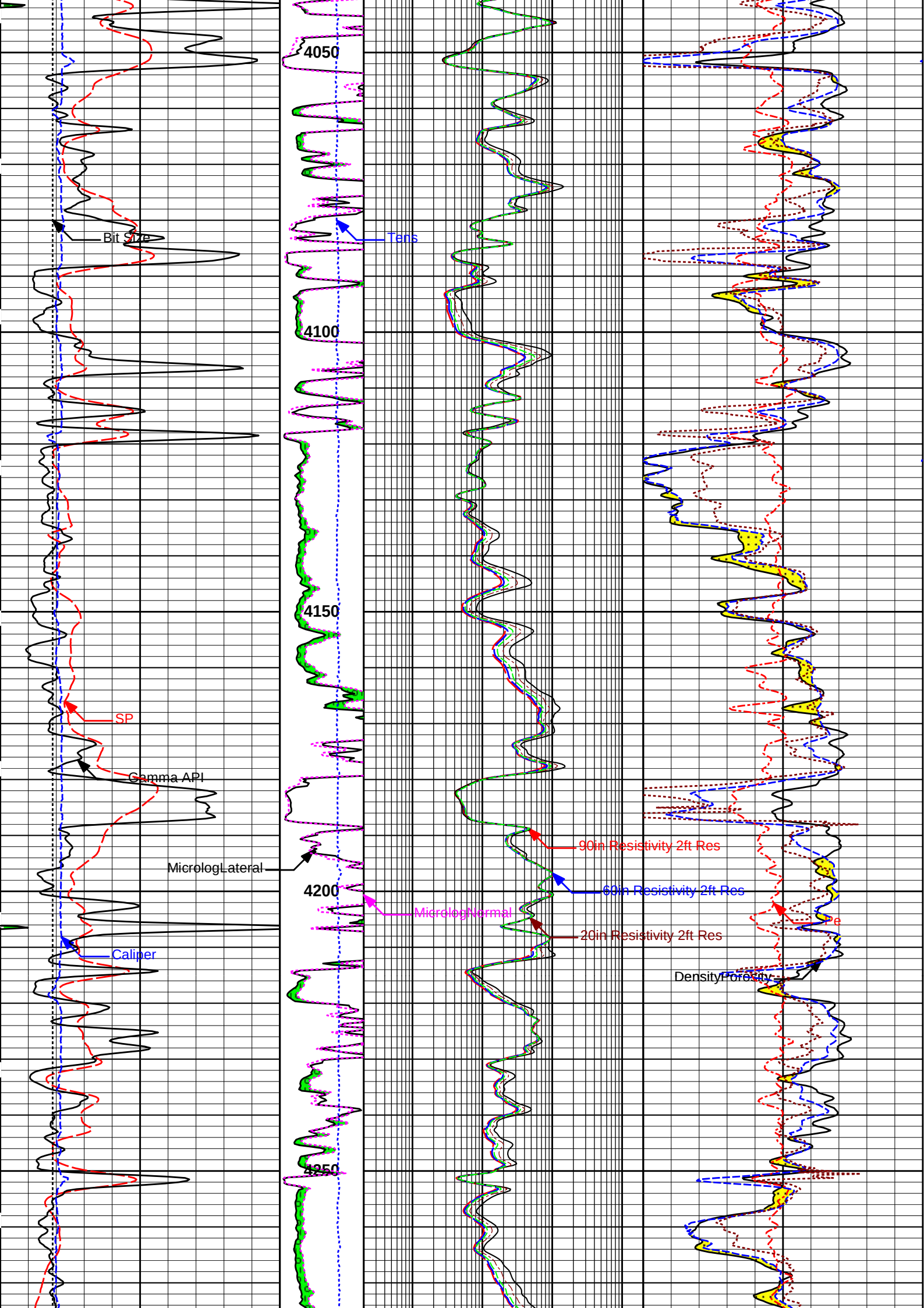
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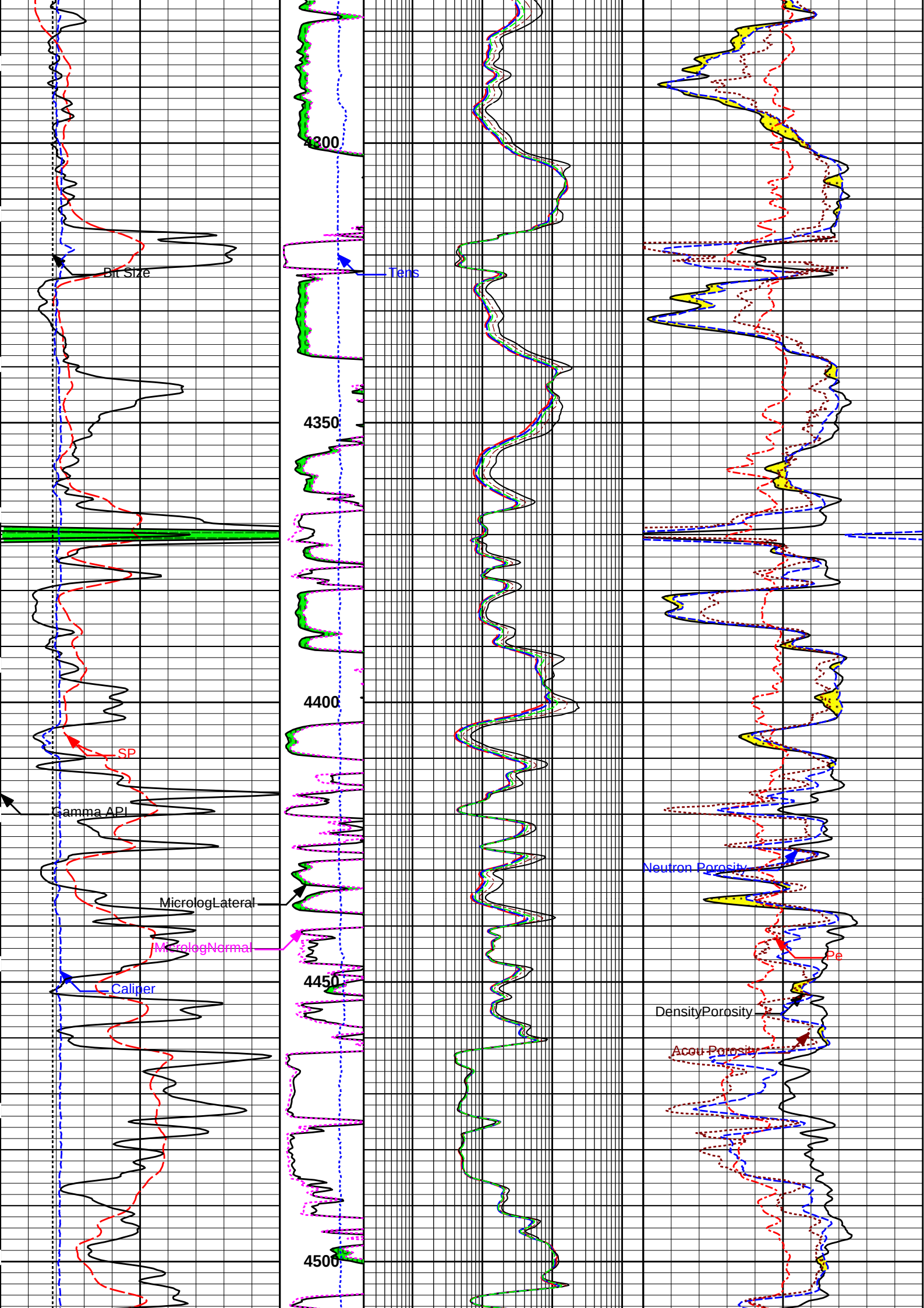
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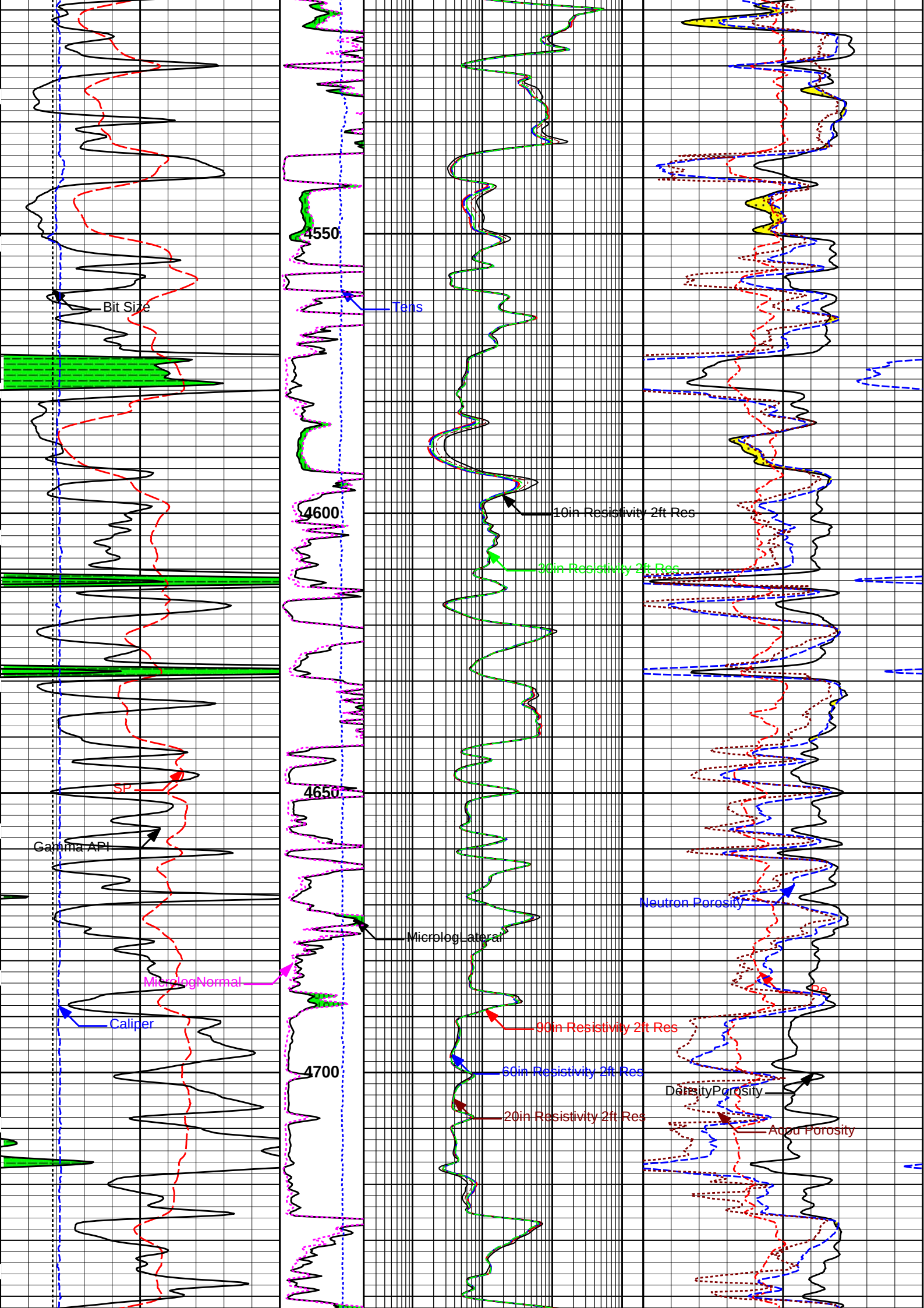


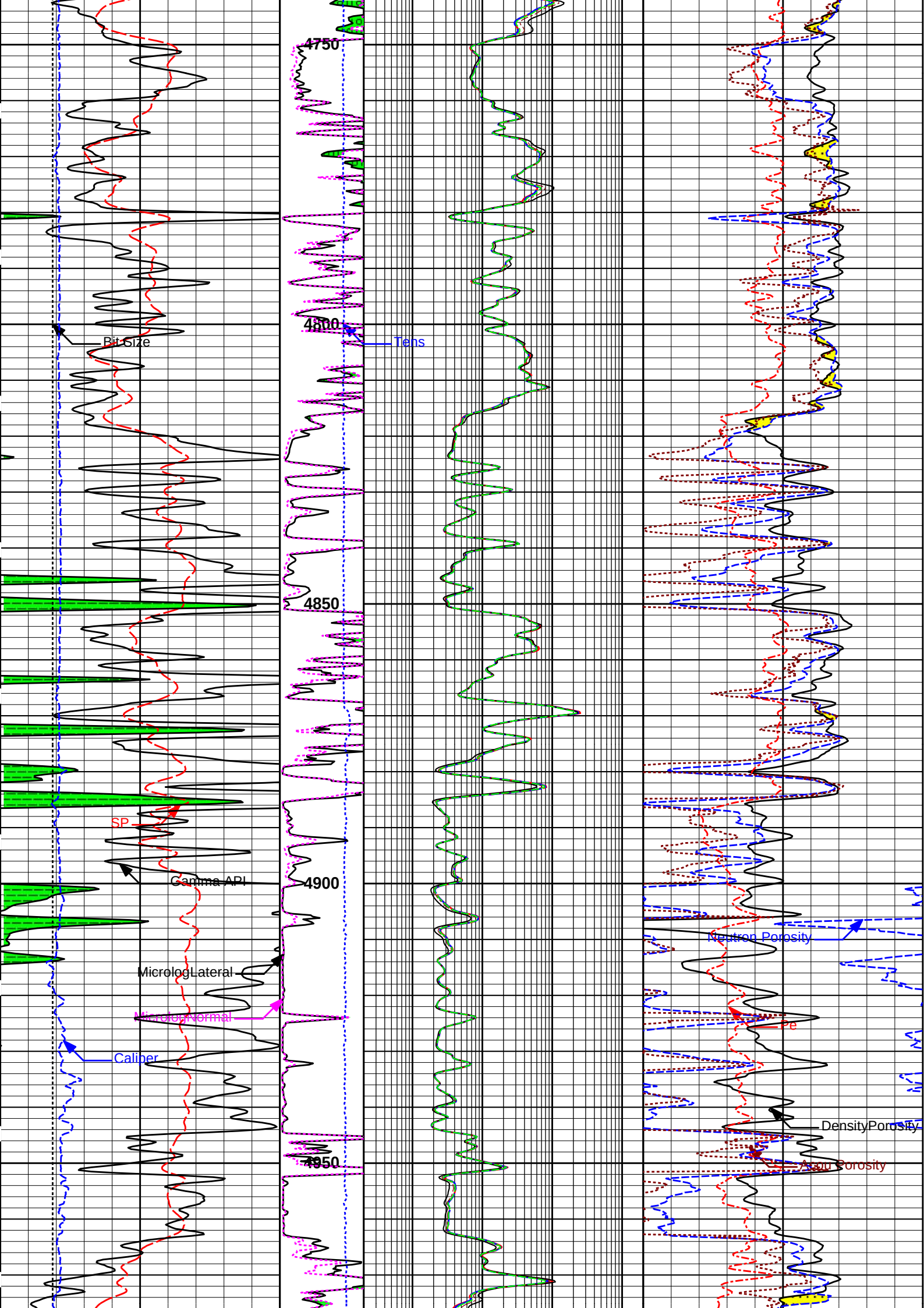


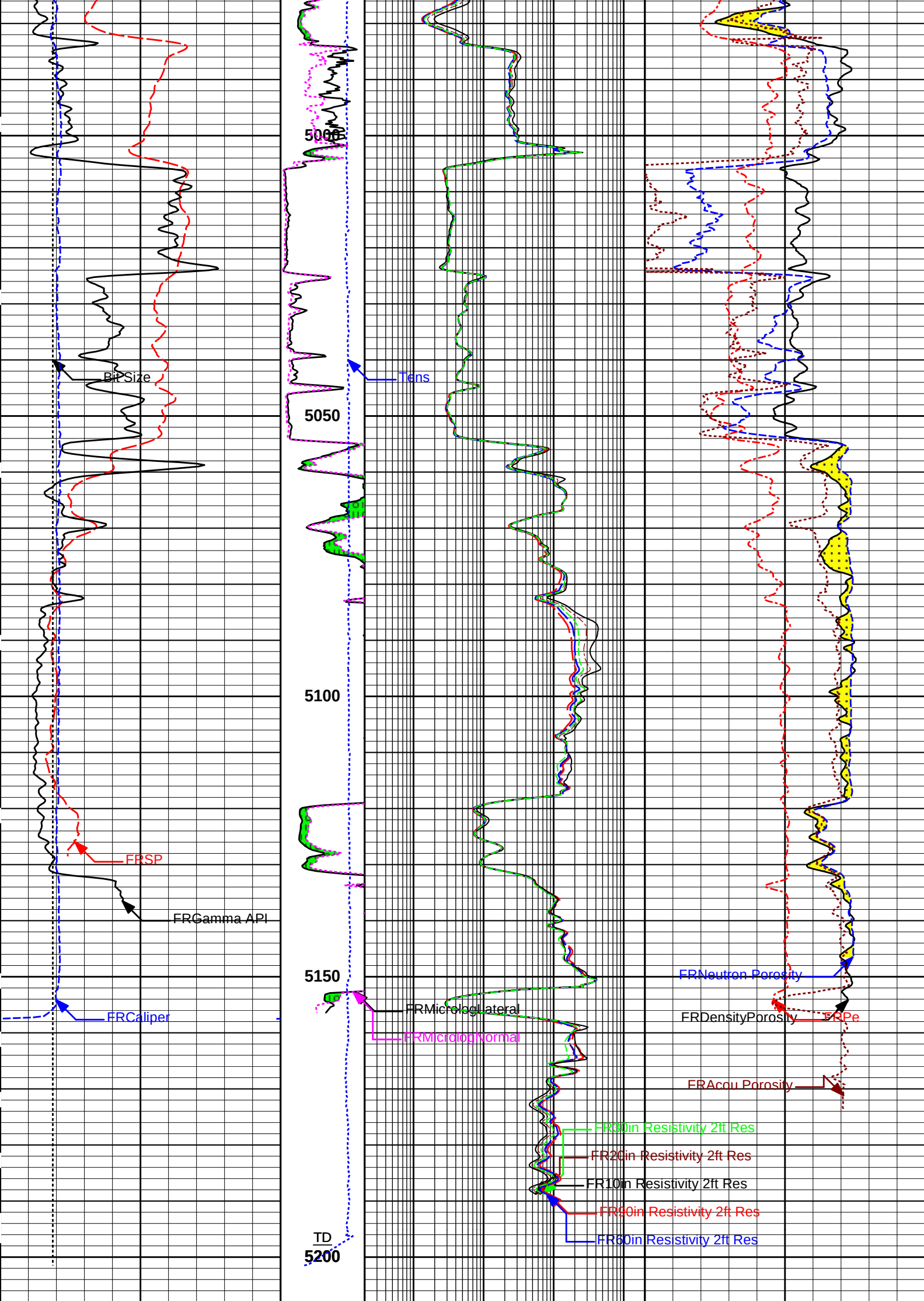












SP		MD 1 : 240 ft	0.2 10in Resistivity 2ft Res 2000 0		Pe 10	
-J20[+			ohmm			
6	Bit Size 16	1K Tens 5K	0.2 20in Resistivity 2ft Res 2000 30	DensityPorosity -10		
inches		pounds	ohm-metre		%	
6	Caliper 16	MicrologLateral 0 40	0.2 30in Resistivity 2ft Res 2000 30	Neutron Porosity -10		
inches		ohm-metre	ohm-metre		%	
0	Gamma API 150	MicrologNormal 0 40	0.2 60in Resistivity 2ft Res 2000 30	Acou Porosity -10		
api		ohm-metre	ohm-metre		%	
SHALE			0.2 90in Resistivity 2ft Res 2000			
			ohm-metre			

HALLIBURTON

Plot Time: 03-Oct-16 10:47:12
Plot Range: 1634 ft to 5208 ft
Data: MERIT JONES19-1\Well Based\DAQ-0001-004\
Plot File: \\QUAD\QC_5_MAIN

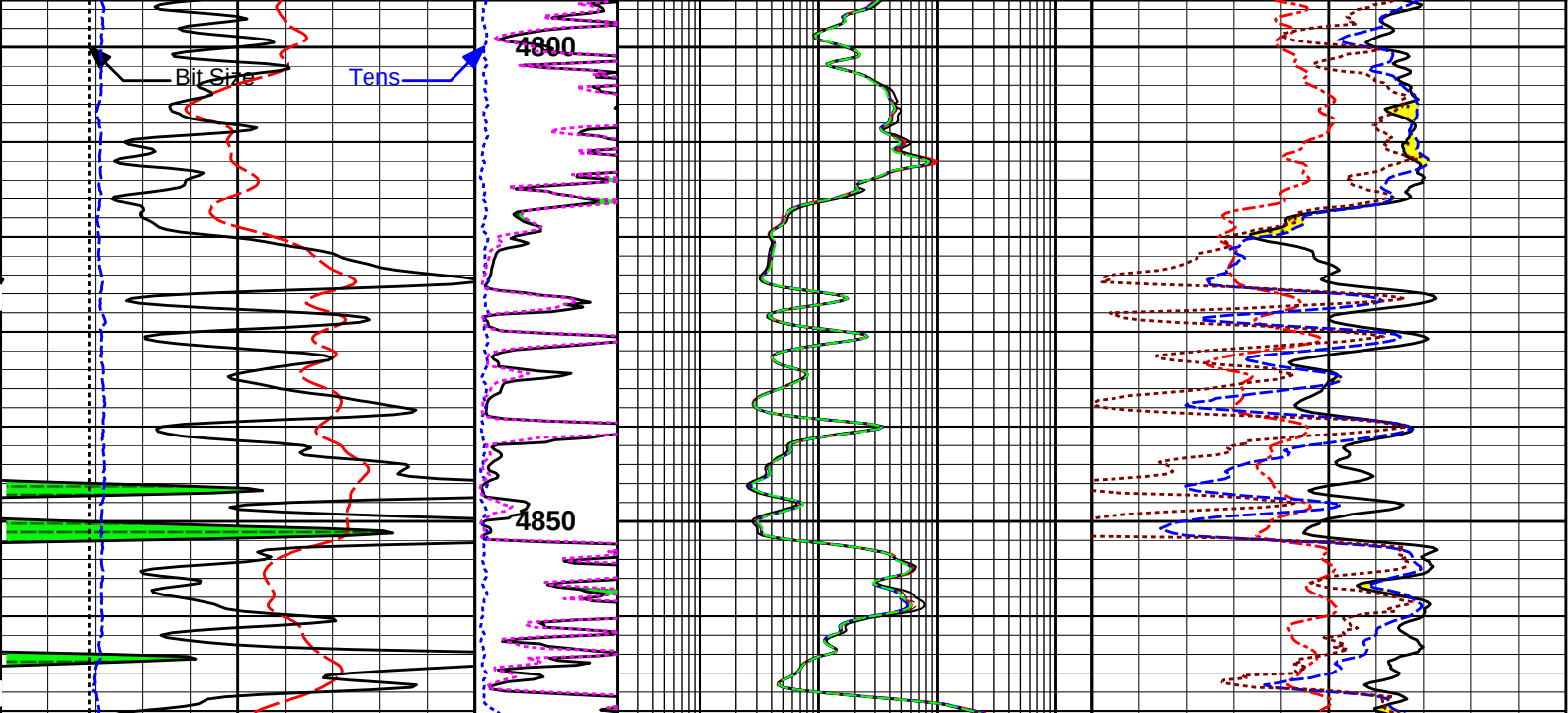
5 INCH MAIN LOG

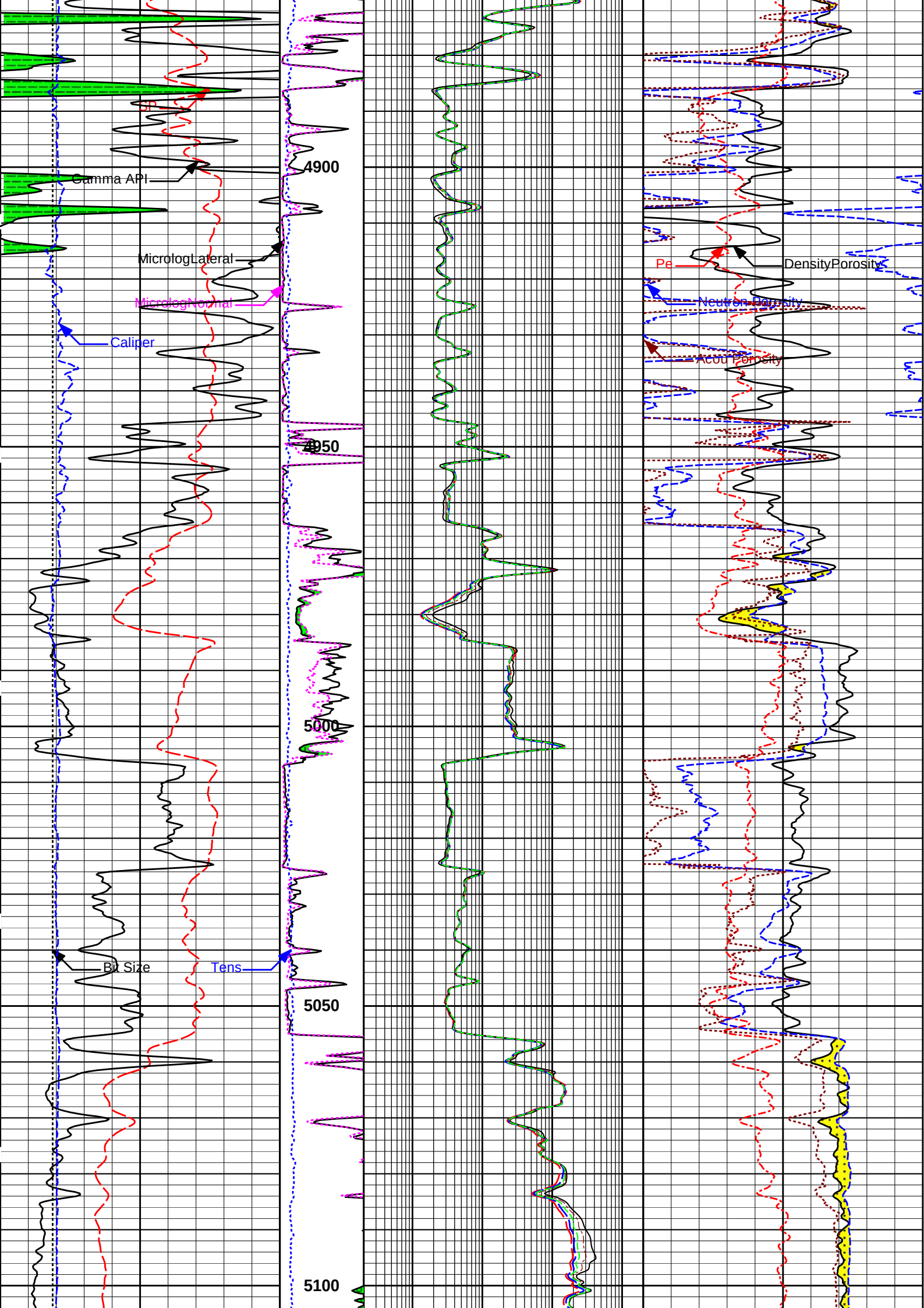
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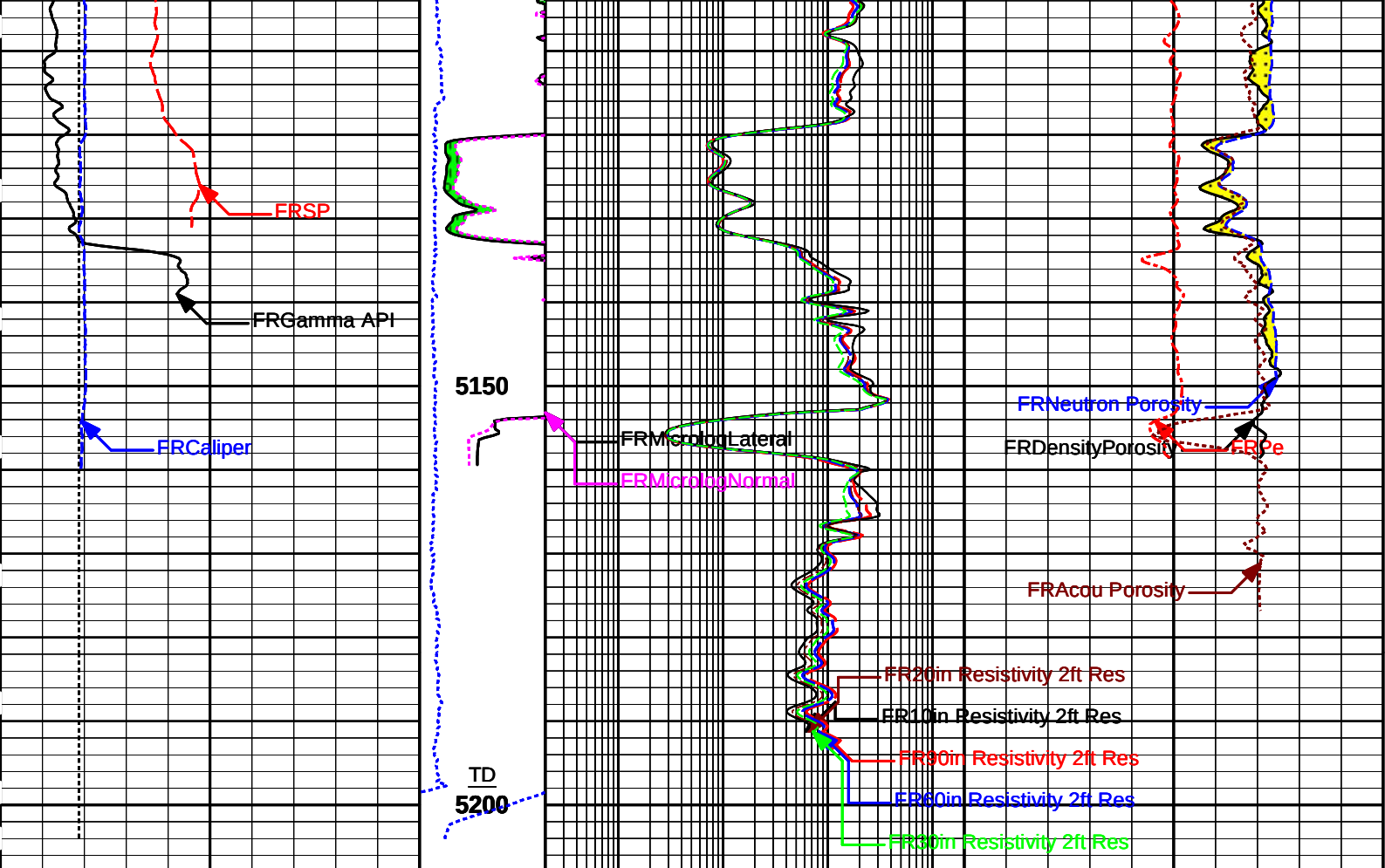
Plot Time: 03-Oct-16 10:47:12
Plot Range: 4795 ft to 5208 ft
Data: MERIT JONES19-1\Well Based\DAQ-0001-003\
Plot File: \\QUAD\QC_5_MAIN

5 INCH REPAT LOG

SHALE			0.2 90in Resistivity 2ft Res 2000			
			ohm-metre			
0	Gamma API	150	MicrologNormal 0 40	0.2 60in Resistivity 2ft Res 2000	30	Acou Porosity -10
api			ohm-metre	ohm-metre	%	
6	Caliper	16	MicrologLateral 0 40	0.2 30in Resistivity 2ft Res 2000	30	Neutron Porosity -10
inches			ohm-metre	ohm-metre	%	
6	Bit Size	16	2K Tens 4K	0.2 20in Resistivity 2ft Res 2000	30	DensityPorosity -10
inches			pounds	ohm-metre	%	
SP			MD 1 : 240 ft	0.2 10in Resistivity 2ft Res 2000	0	Pe 10
-J20[+				ohmm		







SP		MD 1 : 240 ft	0.2 10in Resistivity 2ft Res 2000 0		Pe 10	
-J20[+			ohmm			
6	Bit Size 16	2K Tens 4K	0.2 20in Resistivity 2ft Res 2000 30		DensityPorosity -10	
inches		pounds	ohm-metre		%	
6	Caliper 16	MicrologLateral 0 40	0.2 30in Resistivity 2ft Res 2000 30		Neutron Porosity -10	
inches		ohm-metre	ohm-metre		%	
0	Gamma API 150	MicrologNormal 0 40	0.2 60in Resistivity 2ft Res 2000 30		Acou Porosity -10	
api		ohm-metre	ohm-metre		%	
SHALE			0.2 90in Resistivity 2ft Res 2000			
			ohm-metre			

HALLIBURTON

Plot Time: 03-Oct-16 10:47:15
Plot Range: 4795 ft to 5208 ft
Data: MERIT JONES19-1\Well Based\DAQ-0001-003\
Plot File: \\QUAD\QC_5_MAIN

5 INCH REPAT LOG

COMPANY	MERIT ENERGY COMPANY, LLC		
WELL	JONES 19-1		
FIELD	WILDCAT		
COUNTY	FINNEY	STATE	KANSAS
HALLIBURTON		QUAD COMBO	