HALLIBURTON

DUAL SPACED NEUTRON
SPECTRAL DENSITY
ARRAY COMPENSATED
TRUE RESISTIVITY

COMPANY	GREAT BEAR PETROLEUM		
WELL	ALCOR #1		
FIELD	WILDCAT		
COUNTY	NORTH SLOPE	STATE	ALASKA
API No.	50029200260000	Other Services:	WSTT
Location	SURFACE: 2452' FSL & 652' FEL		CSNG
Sect. 5	Twp. 7N	Rge. 14E	
Permanent Datum	GL	Elev. 178.00 ft	Elev.: K.B. 187.00 ft
Log measured from	DF , 21.00 ft above perm. Datum		D.F. 186.00 ft
Drilling measured from	DF		G.L. 163.70 ft

COMPANY	GREAT BEAR PETROLEUM
WELL	ALCOR #1
FIELD	WILDCAT
COUNTY	NORTH SLOPE
STATE	ALASKA

Date	10-Jul-12					
Run No.	ONE					
Depth - Driller	8320.00 ft					
Depth - Logger	8319.00 ft					
Bottom - Logged Interval	8310.0 ft					
Top - Logged Interval	CASING					
Casing - Driller	9.625 in	@ 2491.00 ft		@		@
Casing - Logger	2491.00 ft					
Bit Size	8.500 in			@		@
Type Fluid in Hole	ENVIROMUL					
Density / F. Viscosity	9.5 ppg	85.00 spqt				
Alkalinity / P. Viscosity		38.0 cP				
HTHP @ Meas. Temperature	2.4 mptm	@ 200.00 degF		@		@
Solids / Wgt. Material		BARITE				
Oil / Water Ratio	80	20				
Water Phase Salinity	234.00 ppm Cl-					
Oil Type / Brine Type						
Electrical Stability	720 V					
Time Since Circulation	12.0 hr					
Time on Bottom	10-Jul-12 12:28					
Max. Rec. Temperature	180.0 degF	@ 8319.0 ft		@		@
Equipment / Location	11640435	PRUDHOE BA				
Recorded By	C. GULLETT					
Witnessed By	P. STILES					

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Service Ticket No.: N/A API Serial No.: 50029200260000 PGM Version: WL INSITE R3.6.0 (Build 3)

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE

Date	Sample No.				
Depth-Driller					
Type Fluid in Hole					
Density	F. Viscosity				
Alkalinity	P. Viscosity				
HTHP @ Meas. Temp.		@		@	
Solids	Wgt. Mat.				
Oil	Water Ratio				
Water Phase Salinity					
Oil Type	Water Type				
Electrical Stability					

RESISTIVITY SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

RESISTIVITY EQUIPMENT DATA

Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other
ONE	ACRt-	N/A	1.5" STANDOFF	N/A
	E7818-S1994			

EQUIPMENT DATA

GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	ONE	Run No.	ONE	Run No.	ONE	Run No.	ONE
Serial No.	10995697	Serial No.	126	Serial No.	10951320	Serial No.	11059108
Model No.	GTET	Model No.	WSTT	Model No.	SDLT	Model No.	DSNT
Diameter	3.625"	No. of Cent.	2	Diameter	4.5"	Diameter	3.625"
Detector Model No.	102-T	Spacing	0.5'	Log Type	GAMMA-GAMMA	Log Type	THERMAL
Type	SCINT.			Source Type	Cs137	Source Type	Am241Be
Length	8"	LSA [Y/N]	Y	Serial No.	5176 GW	Serial No.	21484B
Distance to Source	17'	FWDA [Y/N]	Y	Strength	1.5 Ci	Strength	15 Ci

LOGGING DATA

GENERAL	GAMMA	ACOUSTIC	DENSITY	NEUTRON

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	T.D.	CSG.	REC.	0	200	30	190	55.5 usec	45	-15	2.65 g/cc	45	-15	SAND
ONE	T.D.	SURF.	REC.	0	200									

DIRECTIONAL INFORMATION

Maximum Deviation	@	KOP	@

Remarks:

RWCH-SWIVEL-GTET-WSTT-OMRI WERE RAN IN COMBINATION.

ANNULAR VOLUME CALCULATED FOR 7" CASING.

TOOL STRING AND LOG PRESENTATION PER CUSTOMER REQUEST.

LATITUDE: 69º 59' 22.812" N

LONGITUDE: 148º 40' 54.588" W

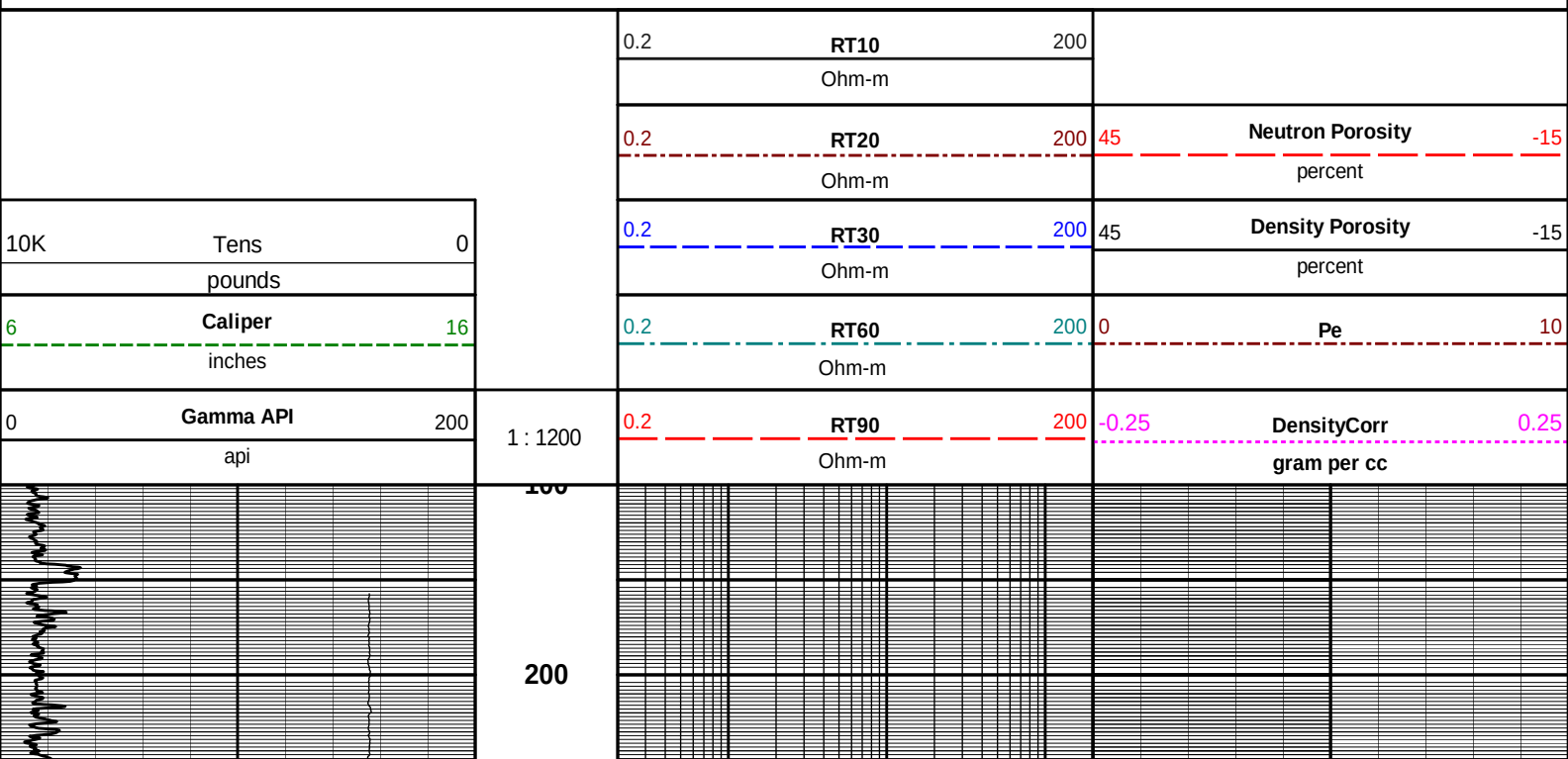
YOUR CREW TODAY: D. CLEARY AND J. CUNNINGHAM. RIG: NABORS #105.

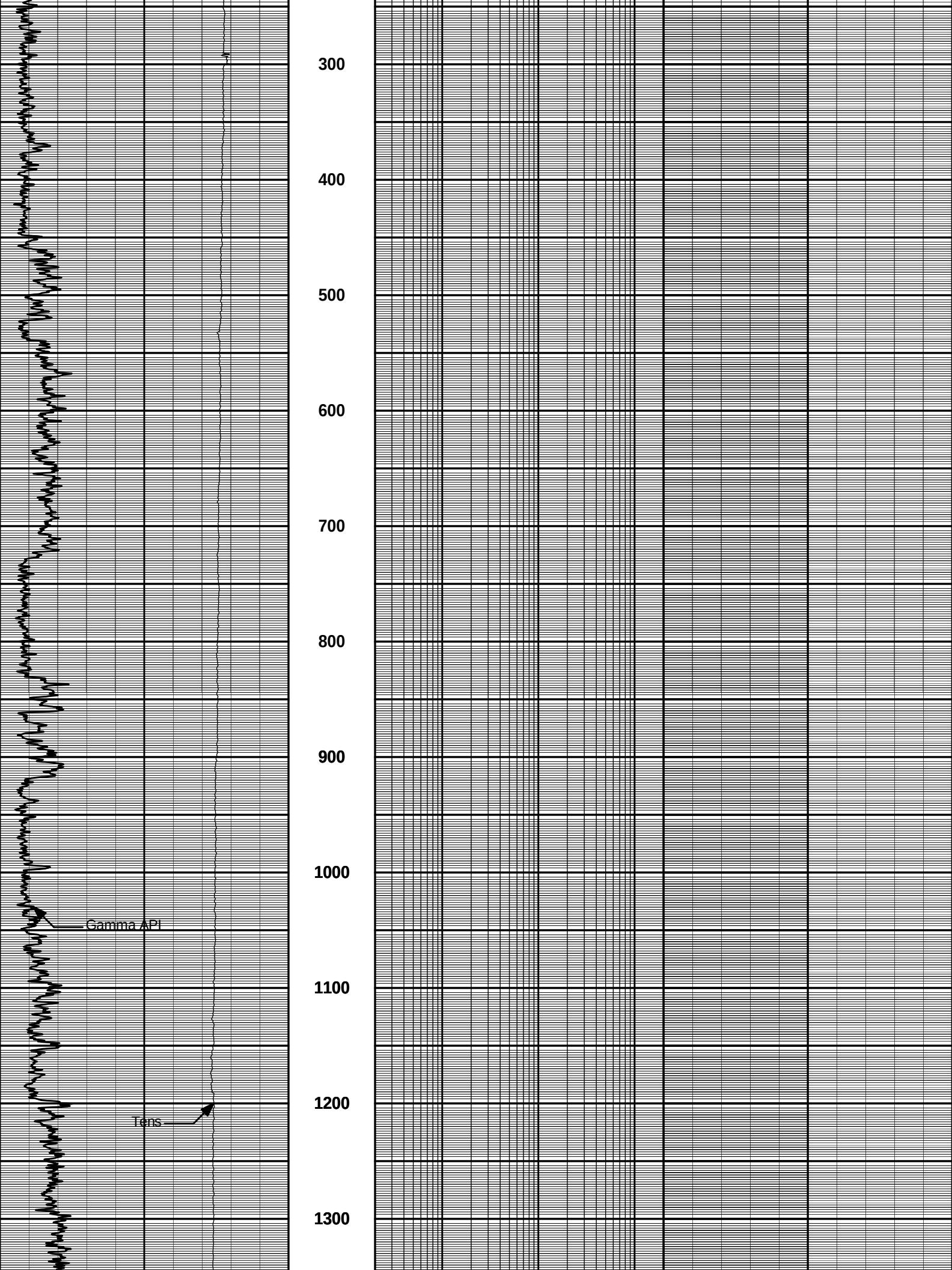
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES - PRUDHOE BAY, AK.

HALLIBURTON

Plot Time: 26-Jul-12 13:01:51
Plot Range: 100 ft to 8330.75 ft
Data: {ActiveWell}\Well Based**
Plot File: \\COMP_1IN\IQ_COMP_5IN_RM

MAIN PASS 1" = 100'

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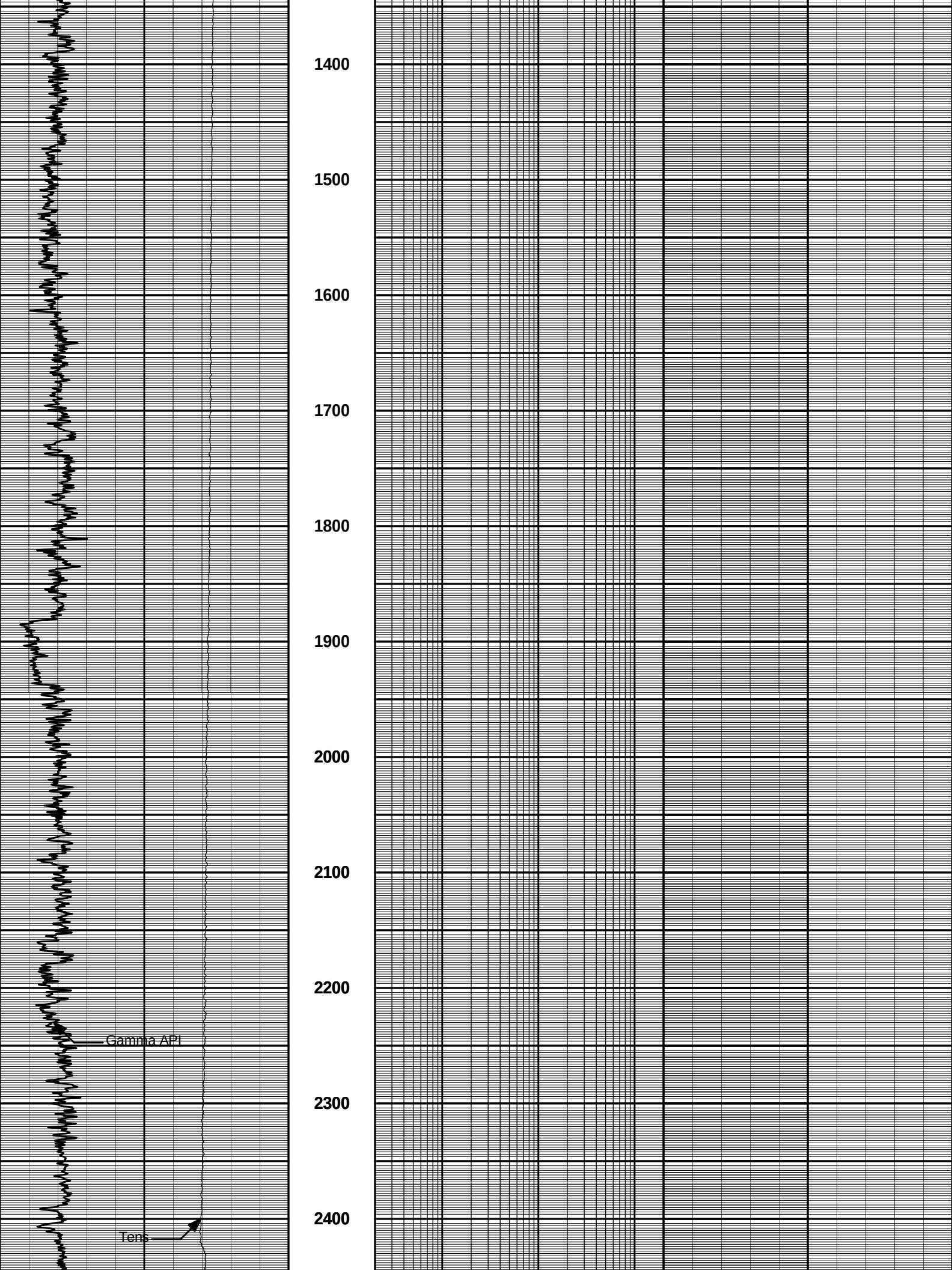
1300
Gamma API
Tens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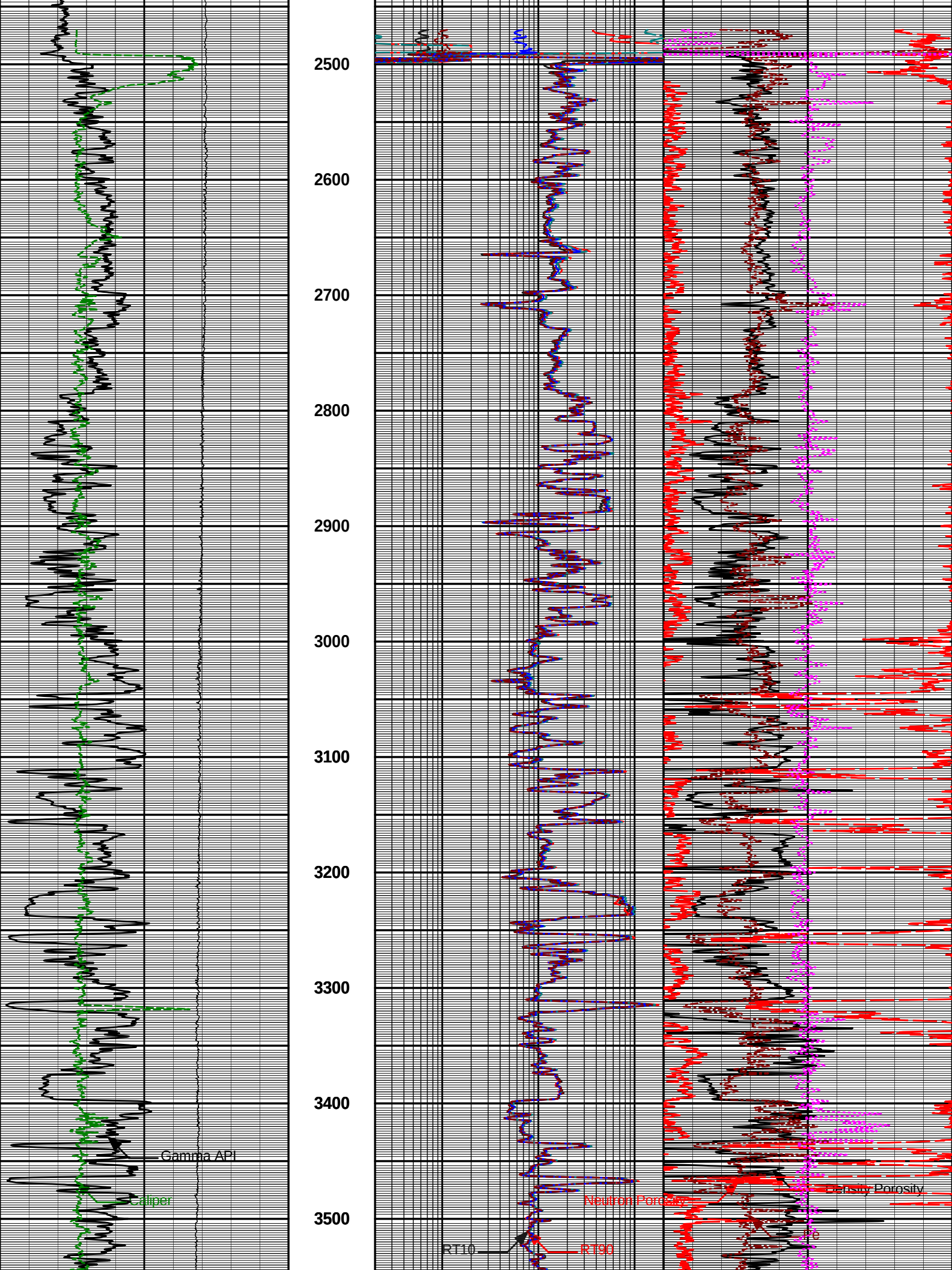
Gamma API
Tens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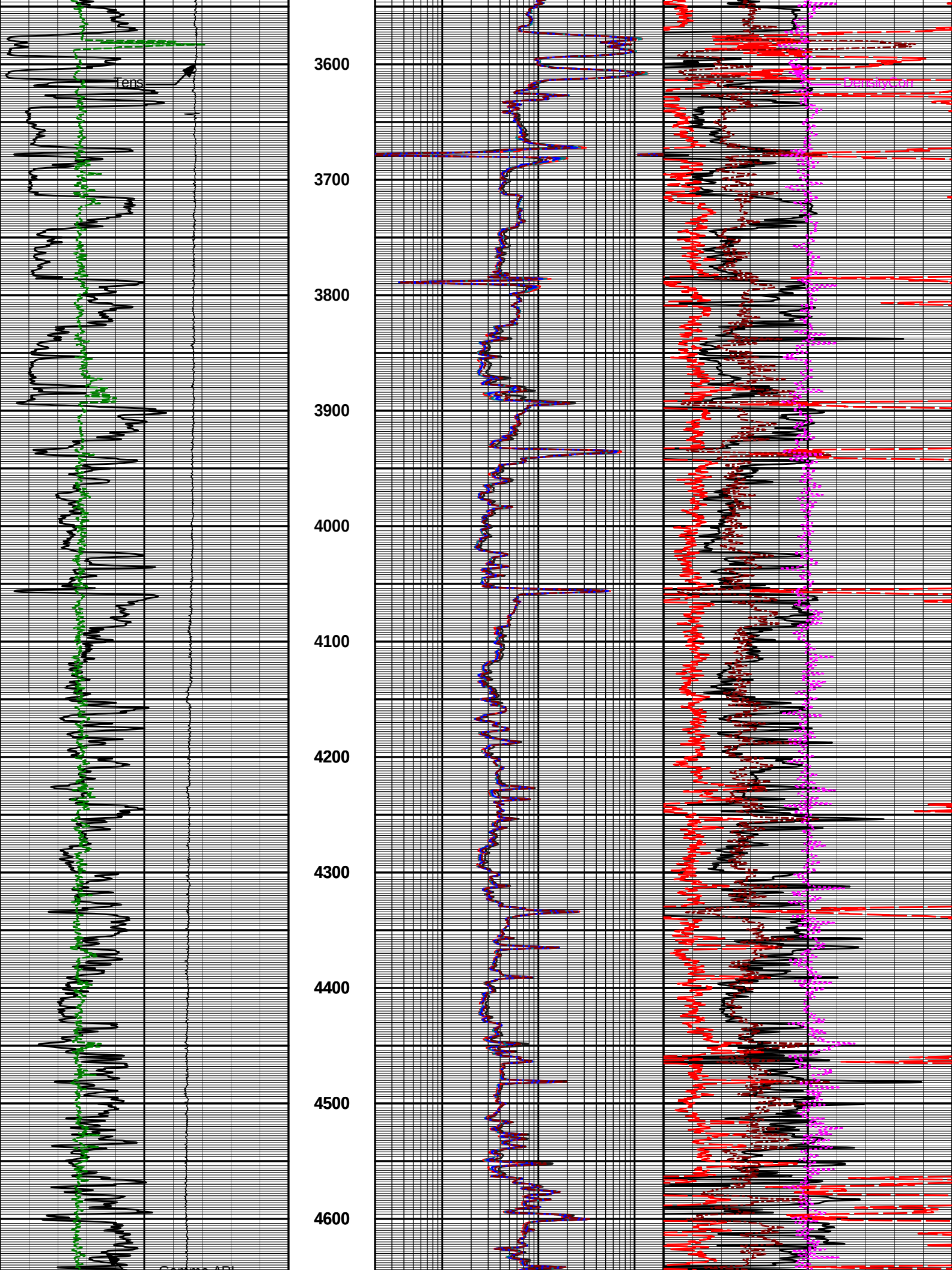
Caliper
RT10
RT90
Neutron Porosity
Density Porosity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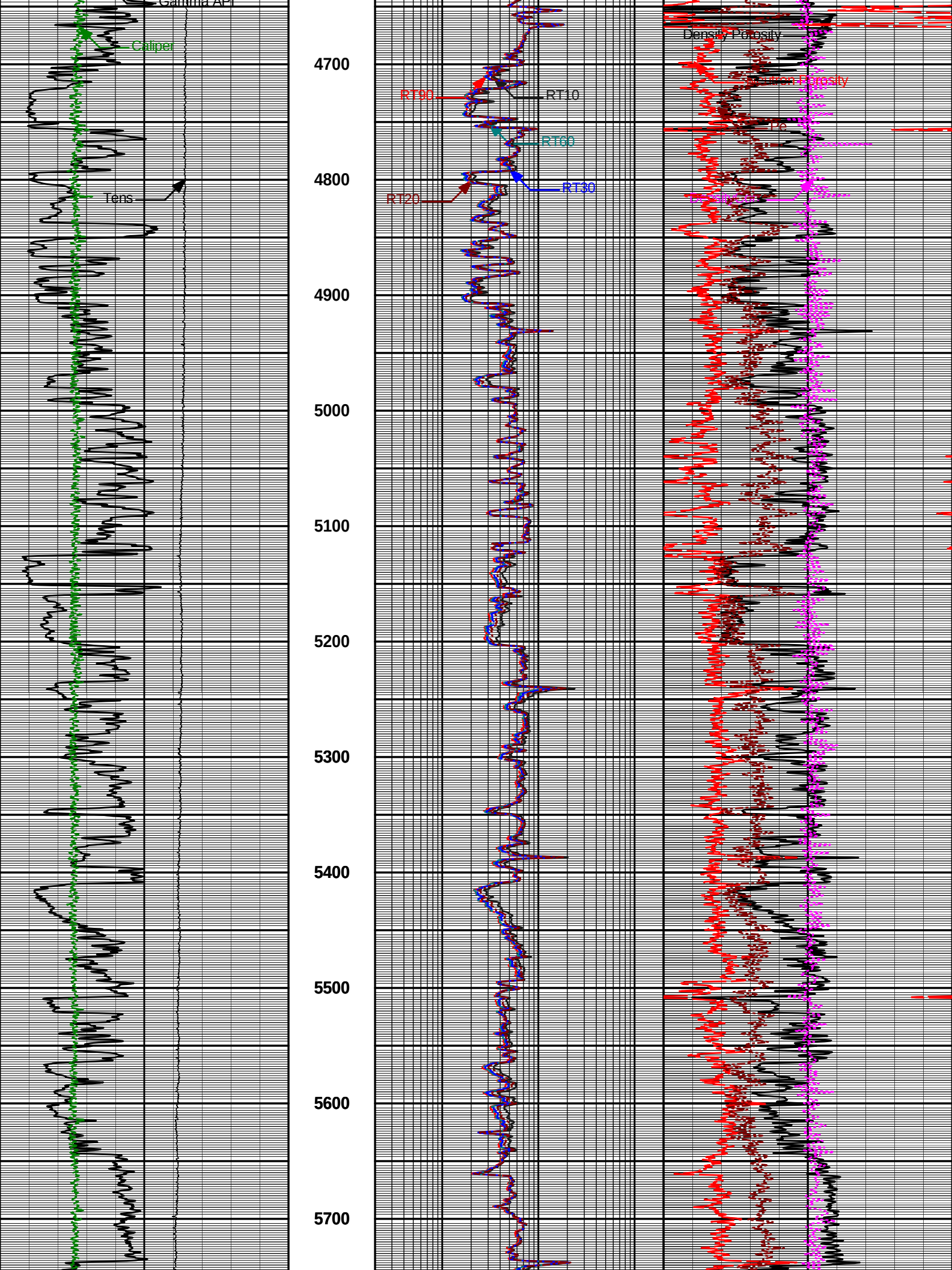
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Tens
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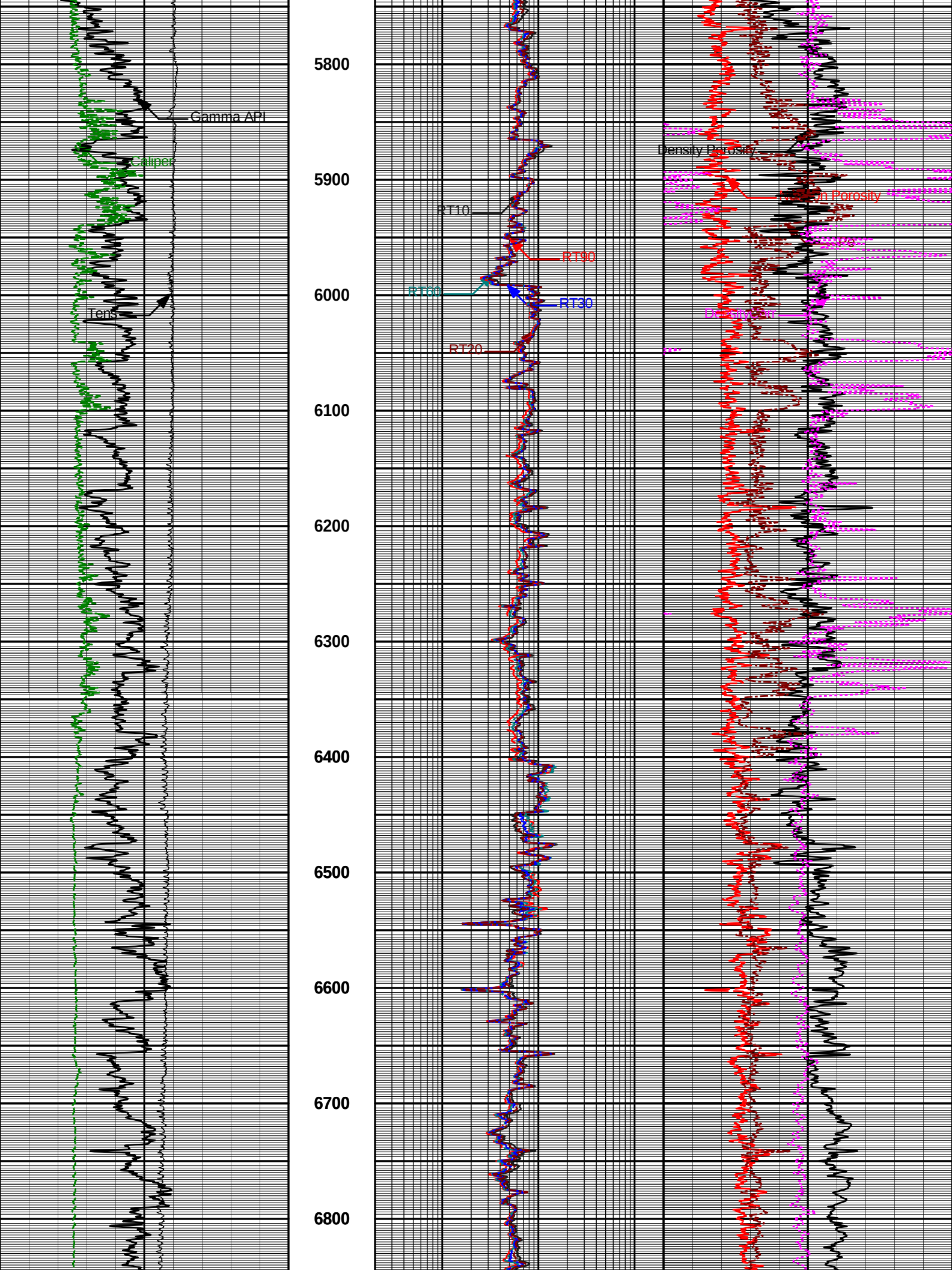
RT60
RT30
RT20
Density Porosity
Neutron Porosity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Caliper
Tens
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6000
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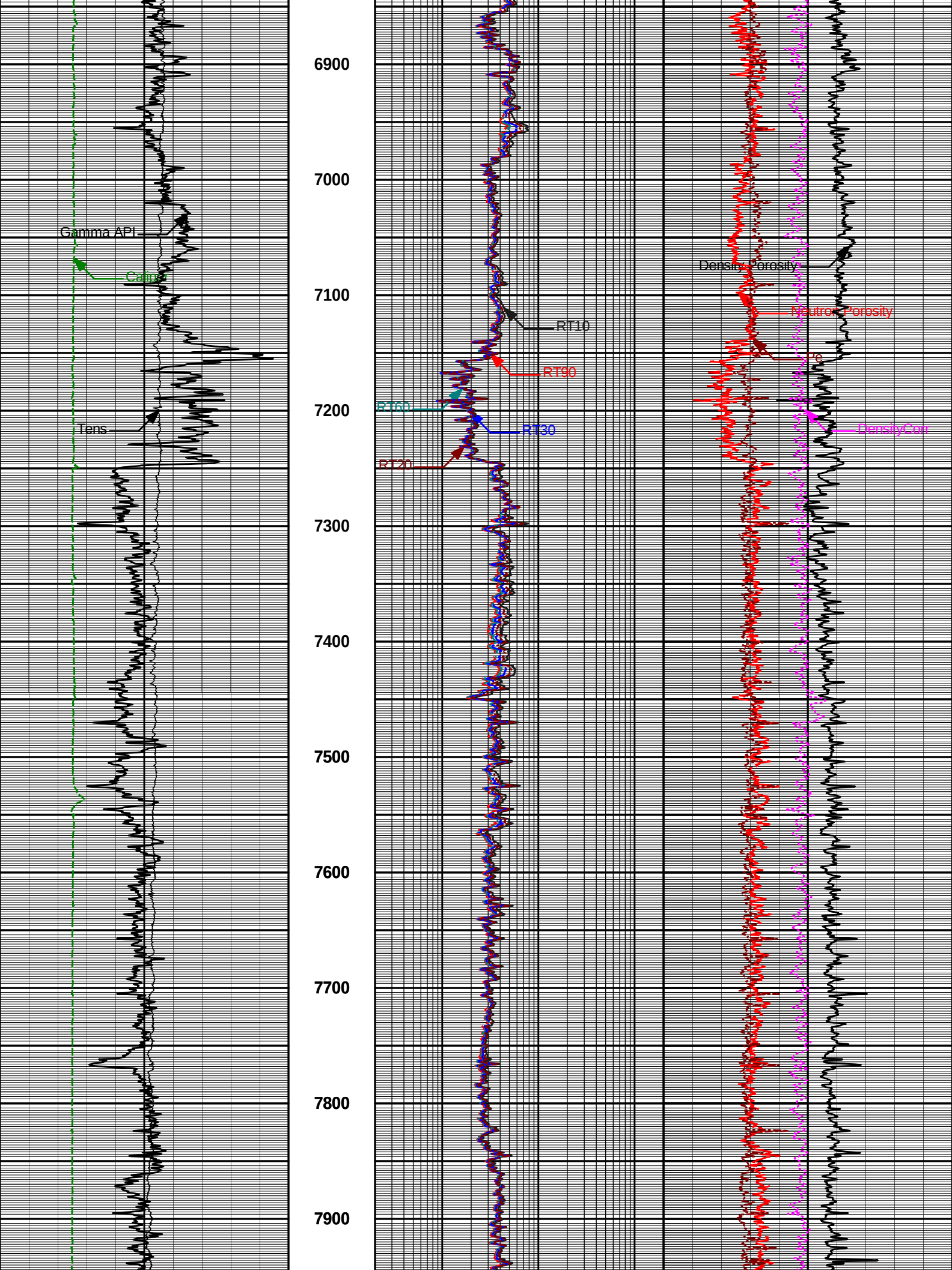
RT10
RT90
RT60
RT30
RT20
Density Porosity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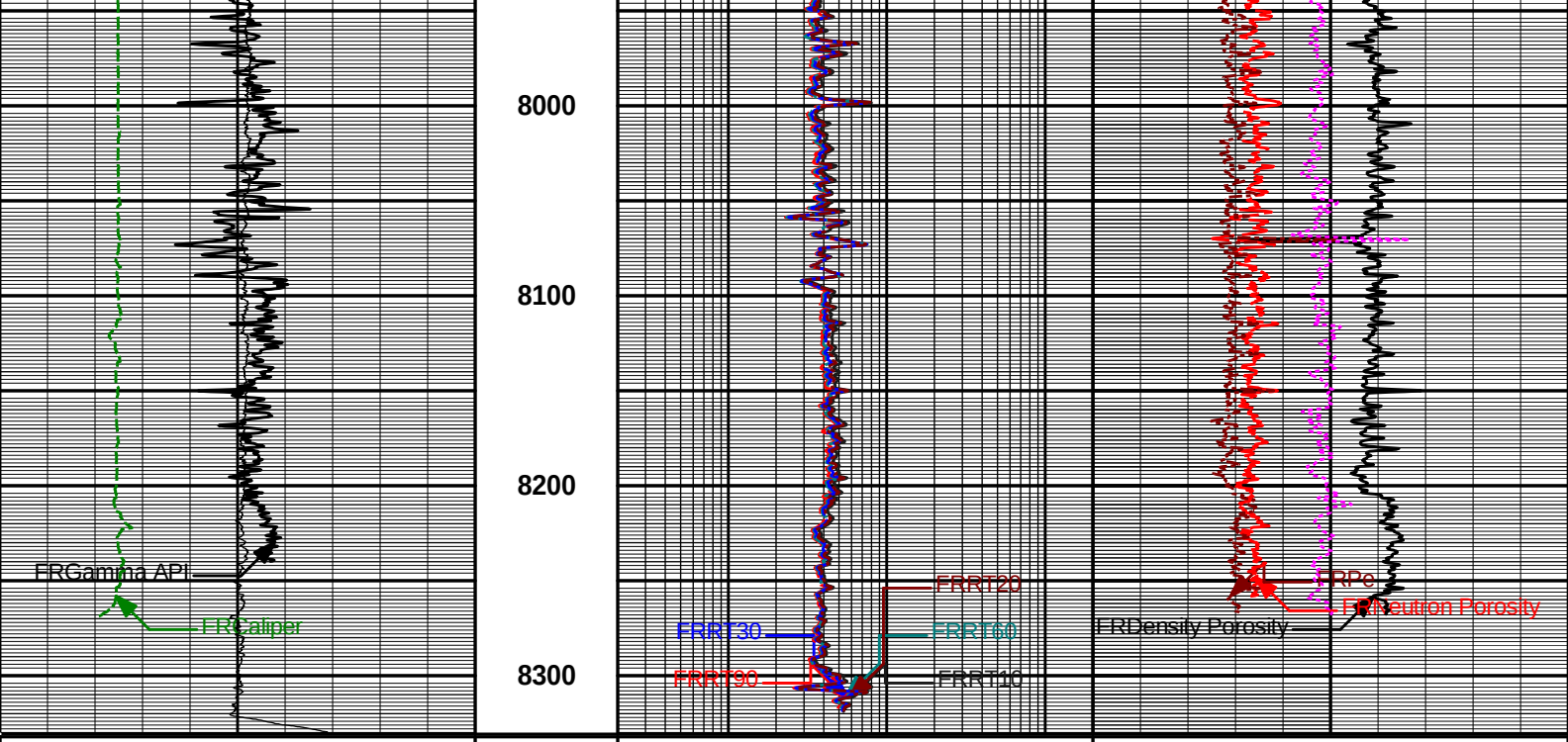
Caliper
Tens
RT10
RT90
RT60
RT30
RT20
Density Porosity
Neutron Porosity
DensityCorr



0 **Gamma API** 200 api	1 : 1200	0.2 **RT90** 200 Ohm-m	-0.25 **DensityCorr** 0.25 **gram per cc**
6 **Caliper** 16 inches		0.2 **RT60** 200 Ohm-m	0 **Pe** 10
10K Tens 0 pounds		0.2 **RT30** 200 Ohm-m	45 **Density Porosity** -15 percent
		0.2 **RT20** 200 Ohm-m	45 **Neutron Porosity** -15 percent
		0.2 **RT10** 200 Ohm-m	

HALLIBURTON

Plot Time: 26-Jul-12 13:01:56
Plot Range: 100 ft to 8330.75 ft
Data: {ActiveWell}\Well Based**
Plot File: \\COMP_1IN\IQ_COMP_5IN_RM

MAIN PASS 1" = 100'