

HALLIBURTON

(MEASURED DEPTH)
ARRAY INDUCTION
SPECTRAL DENSITY
DUAL SPACED NEUTRON

COMPANY	KEBO OIL & GAS, INC		
WELL	DIAMONDBACK 1		
FIELD/BLOCK	WILDCAT		
COUNTY	BRAZORIA		
STATE	TX		
Permanent Datum	GL	Elev. 4.0 ft	Elev. K.B. 21.0 ft
Log measured from	KB	17.0 ft above perm. Datum	D.F. 20.0 ft
Drilling measured from	KB		G.L. 4.0 ft
Date	01-Jul-21		
Run No.	1		
Depth - Driller	8112.0 ft		
Depth - Logger	8116.0 ft		
Bottom - Logged Interval	8114.0 ft		
Top - Logged Interval	1995.0 ft		
Casing - Driller	13.375 in	@	
Casing - Logger	1995.0 ft		
Bit Size	12.250 in		
Type Fluid in Hole	Water Based Mud	@	
Density	11.10 g/cc	21.00 s/qt	
PH	10.00 pH	5.0 optm	
Source of Sample	MUD PIT		
Rm @ Meas. Temperature	0.98 ohmm	@ 75.00 degF	@
Rmf @ Meas. Temperature	0.87 ohmm	@ 75.00 degF	@
Rmc @ Meas. Temperature	1.35 ohmm	@ 75.00 degF	@
Source Rmf	CALC		
Rm @ BHT	0.46 ohmm	@ 169.0 degF	@
Time Since Circulation	8.00 hr		
Time on Bottom	01-Jul-21 12:11		
Max. Rec. Temperature	169.00 degF	@ 8116.0 ft	@
Equipment	12128583	ALVARADO	
Recorded By	M. GALLION		
Witnessed By	P. HABERMAS (EMAIL)		

COMPANY KEBO OIL & GAS, INC
WELL DIAMONDBACK 1
FIELD/BLOCK WILDCAT
COUNTY BRAZORIA
STATE TX

API No. 42-039-33361
Location 2730' FEL & 3510' FSL OF THE PERRY, J F / AUSTIN, E M SURVEY A-106

Other Services: N/A

Fold here

Sales Order Number: 907223797		API No.: 42-039-33361		PGM Version: WL INSITE R6.4.10 (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.
Rmf @ Meas. Temp.	@	@		ONE	ACRT	NONE	1.5" S.O.
Rmc @ Meas. Temp.	@	@			S-10933411		
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.	11958947	Serial No.		Serial No.	10763919	Serial No.	11020488
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.	GTET	Spacing		Log Type	GAM-GAM	Log Type	NEU-NEU
Type	SCINT			Source Type	Cs-137	Source Type	Am241Be
Length	8"	LSA [Y/N]		Serial No.	5381GW	Serial No.	DSN-313
Distance to Source	10'	FWDA [Y/N]		Strength	1.78 Ci	Strength	15.0 Ci
LOGGING DATA							

GENERAL			GAMMA		ACOUSTIC		DENSITY			NEUTRON				
Run No.	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	8116'	1995'	REC	0gapi	150gapi				60%	0%	2.65 g/cc	60%	0%	SAND

DIRECTIONAL INFORMATION

Maximum Deviation @ KOP @

Remarks: FIRST LOG ON WELL, POSITIVE DEPTH CONTROL APPLIED

SCALES AND PRESENTATIONS AS PER CUSTOMER REQUEST

TOOLS RAN IN COMBINATION AS PER TOOLSTRING DIAGRAM

HOLE VOLUME CALCULATED FOR 9.625 INCH CASING

RIG: LAUSON DRILLING #2

CREW: J. JONES, J. TOWNSON

THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES

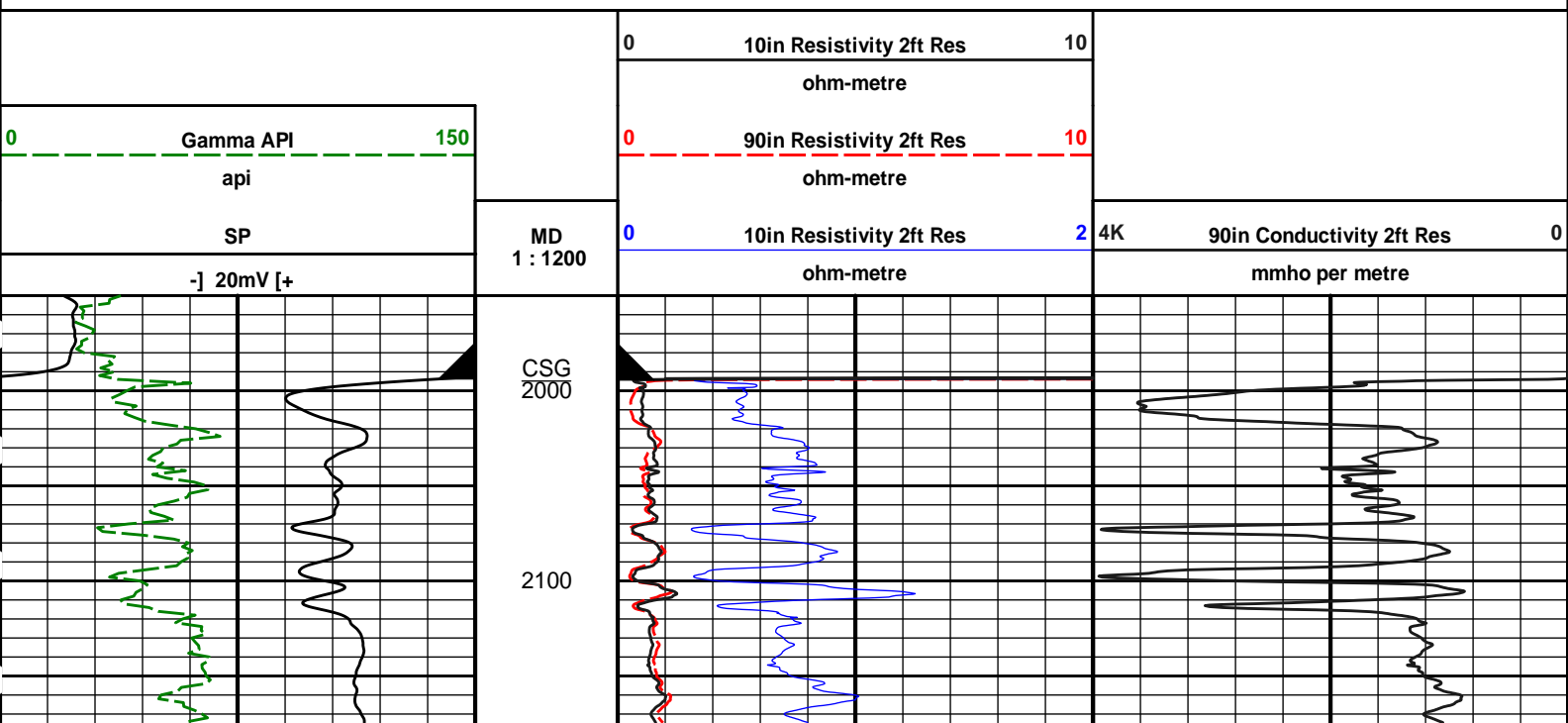
HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR 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.

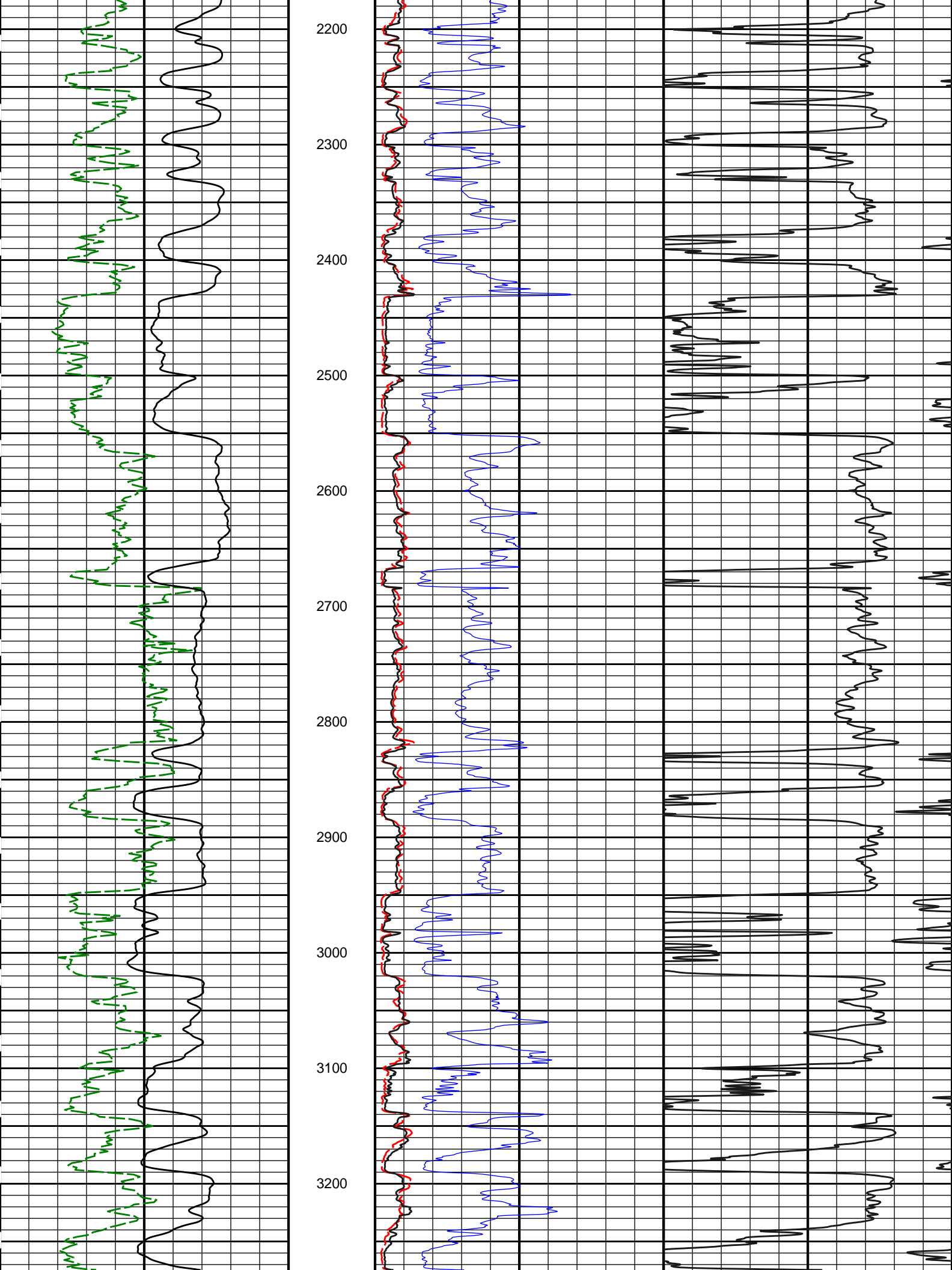
HALLIBURTON

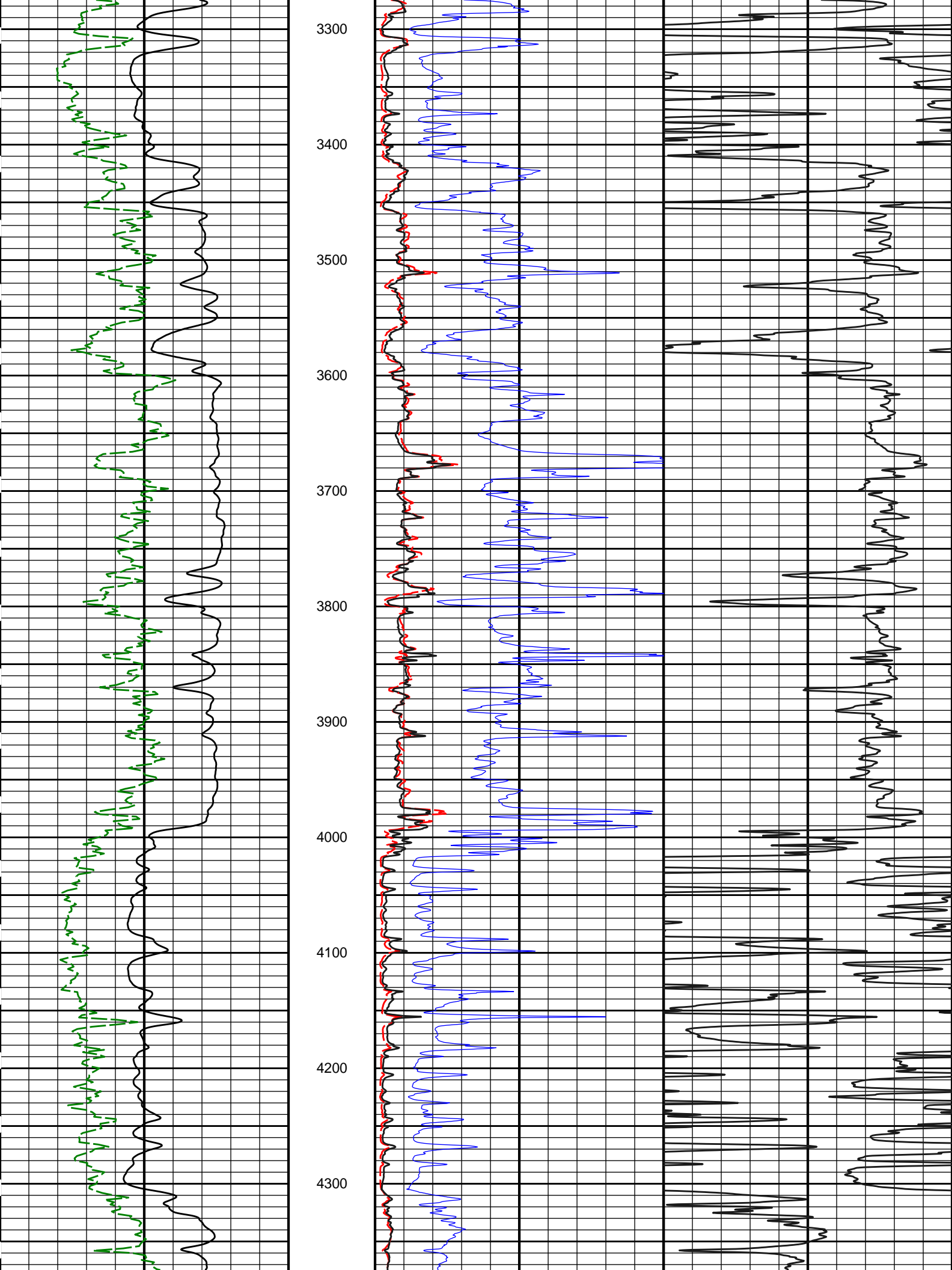


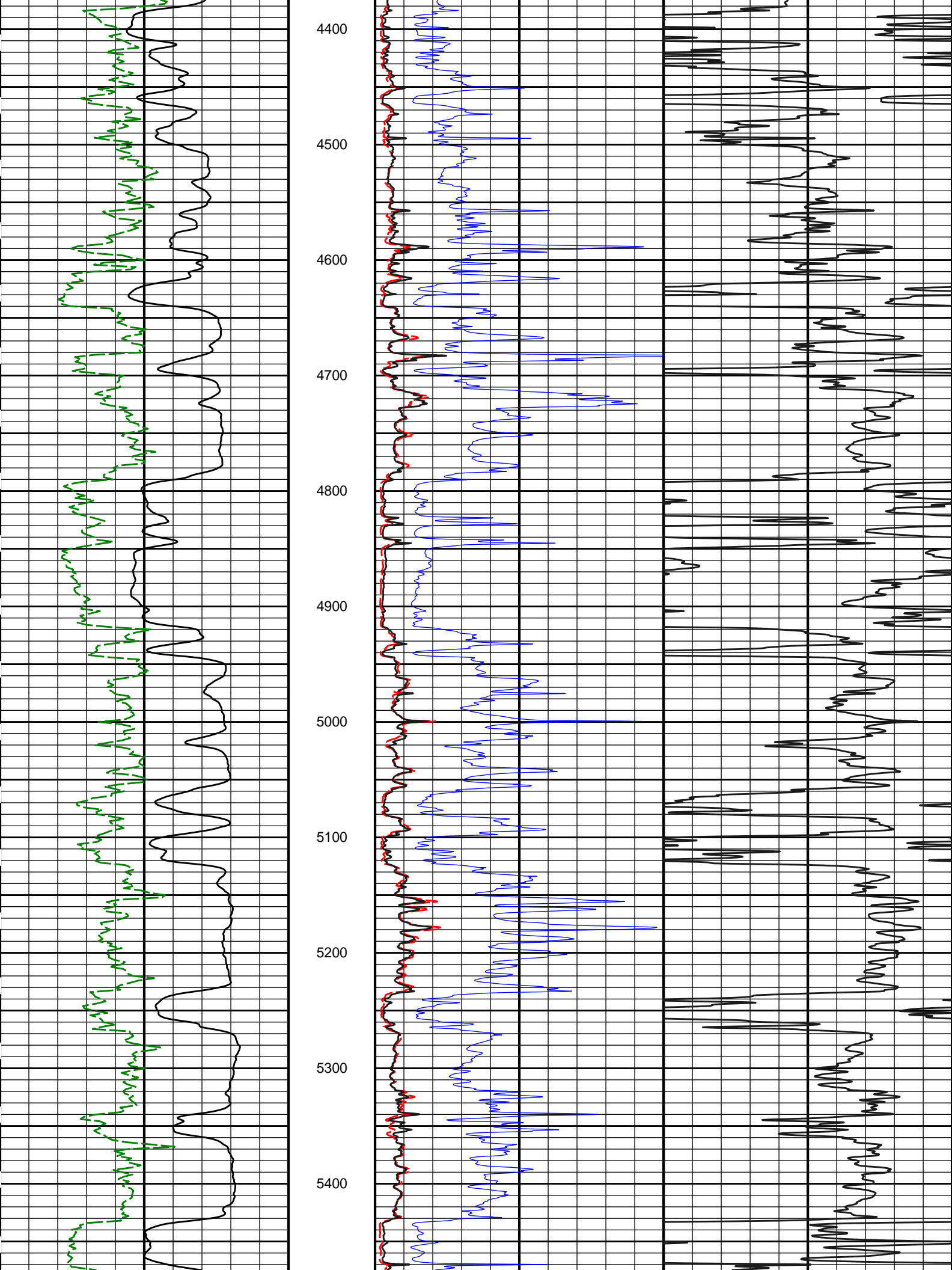
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 Plot Range: 1950 ft to 8142 ft
 Data: KEBO_DIAM_07_01\Well Based\DAQ-0001-003\
 Plot File: \\-LOCAL-\\KEBO_DIAM_07_01\0001 TRIPLE-SILVERTC\1_INCH

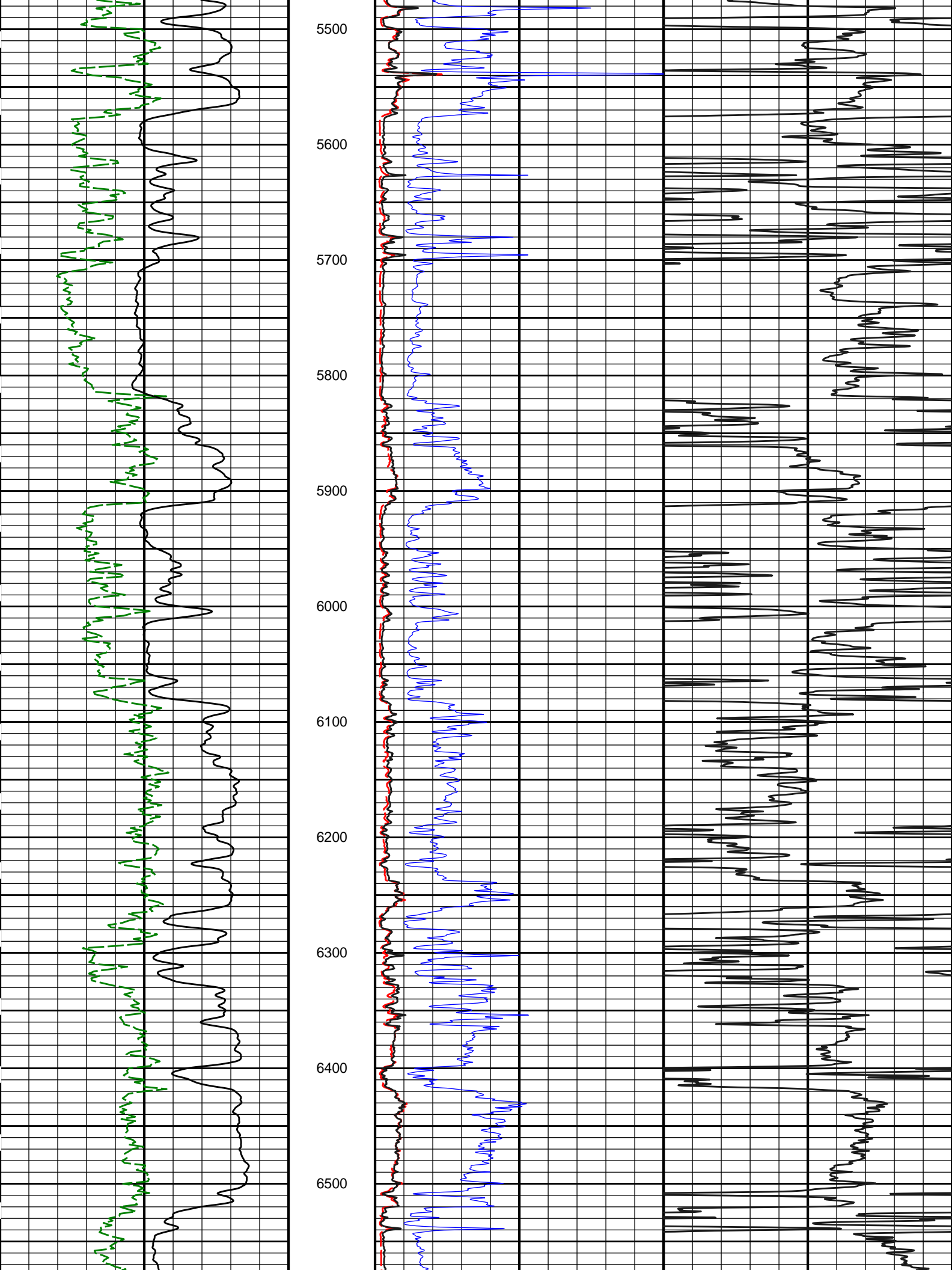
MAIN SECTION 1" = 100'

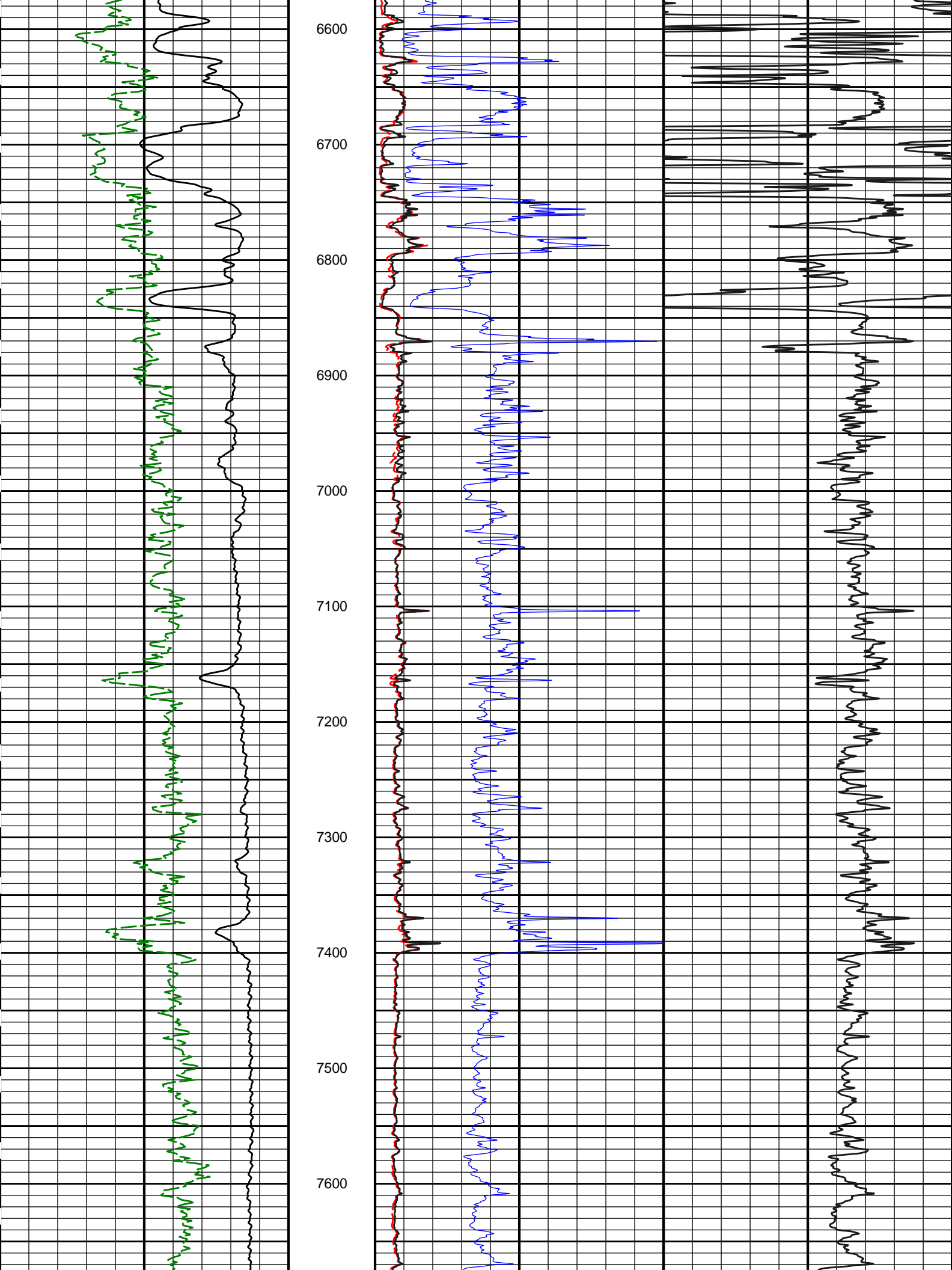


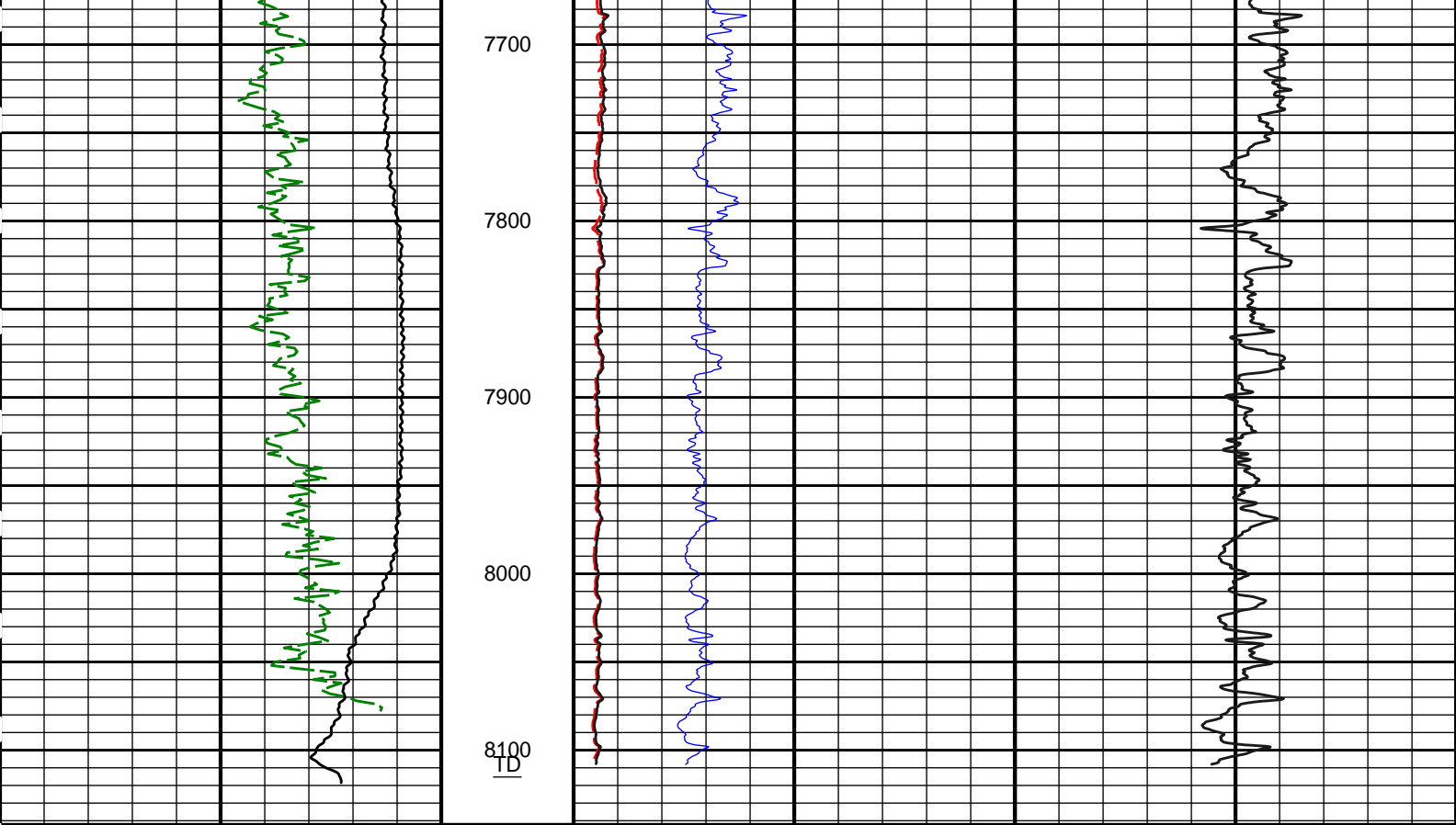












SP	MD	0	10in Resistivity 2ft Res	2	4K	90in Conductivity 2ft Res	0
-] 20mV [+]	1 : 1200		ohm-metre			mmho per metre	
Gamma API		0	90in Resistivity 2ft Res	10			
api			ohm-metre				
		0	10in Resistivity 2ft Res	10			
			ohm-metre				

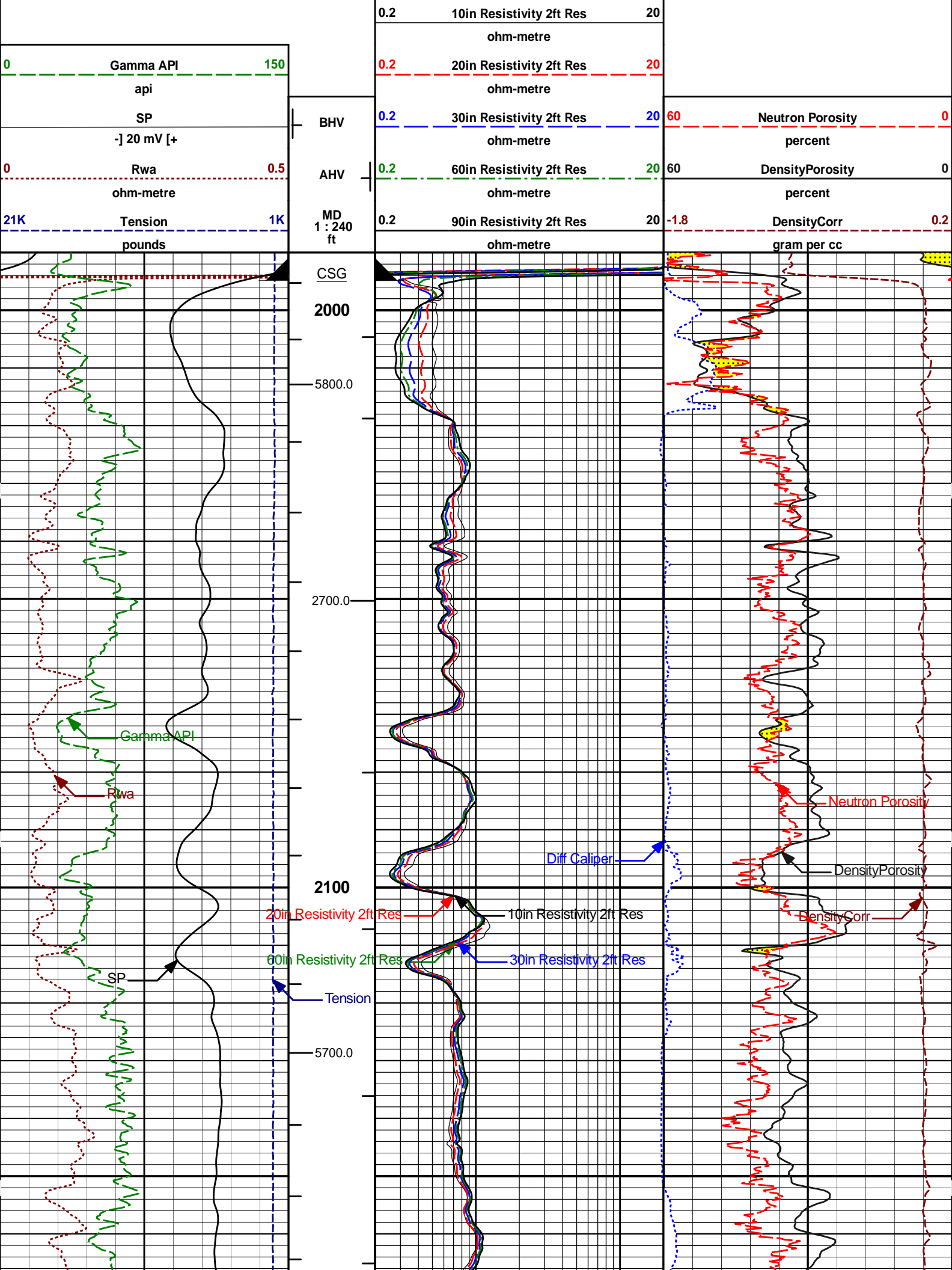
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 Plot File: \\-LOCAL-\KEBO_DIAM_07_01\0001 TRIPLE-SILVERTC1_INCH

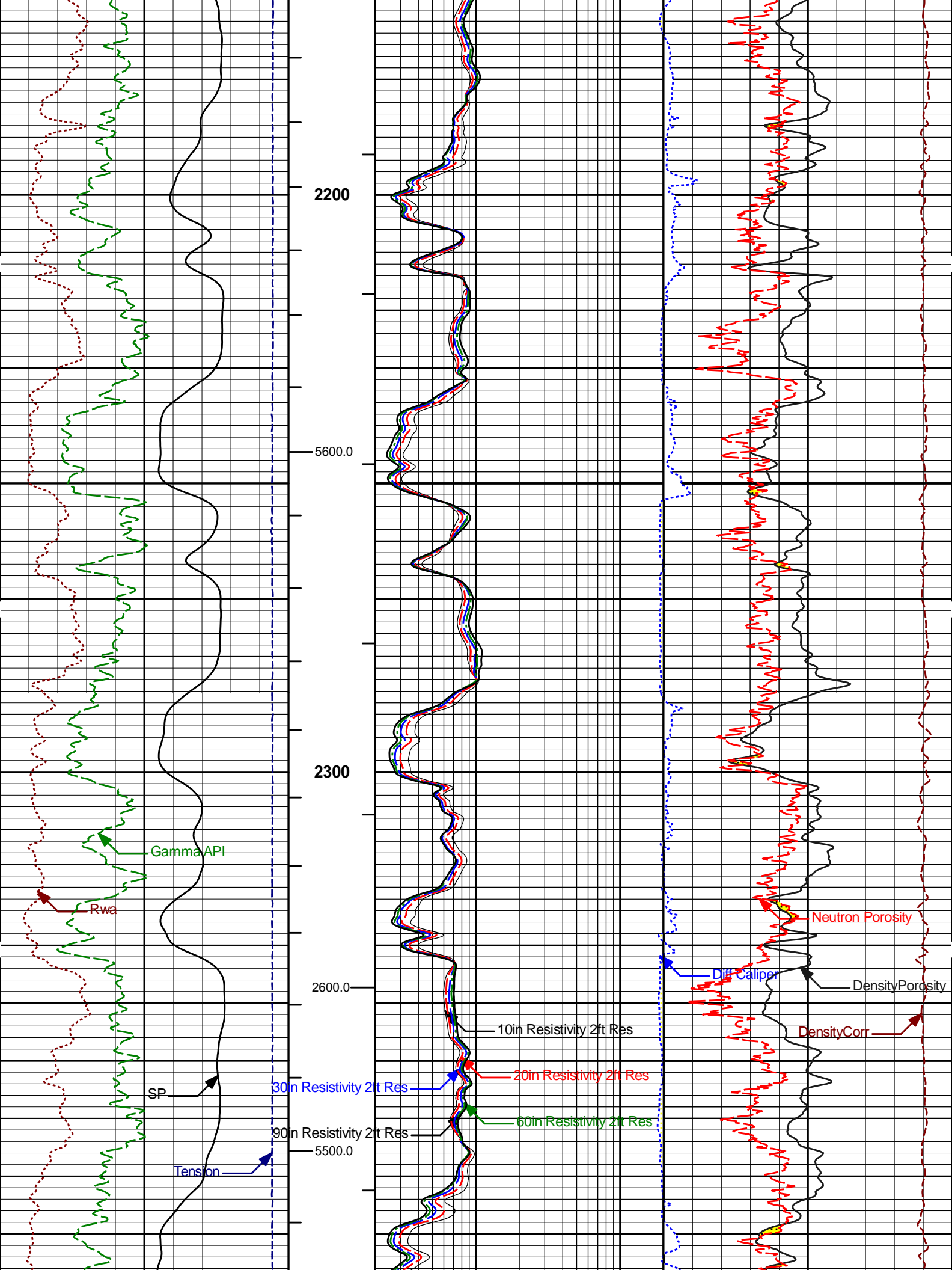
MAIN SECTION 1" = 100'

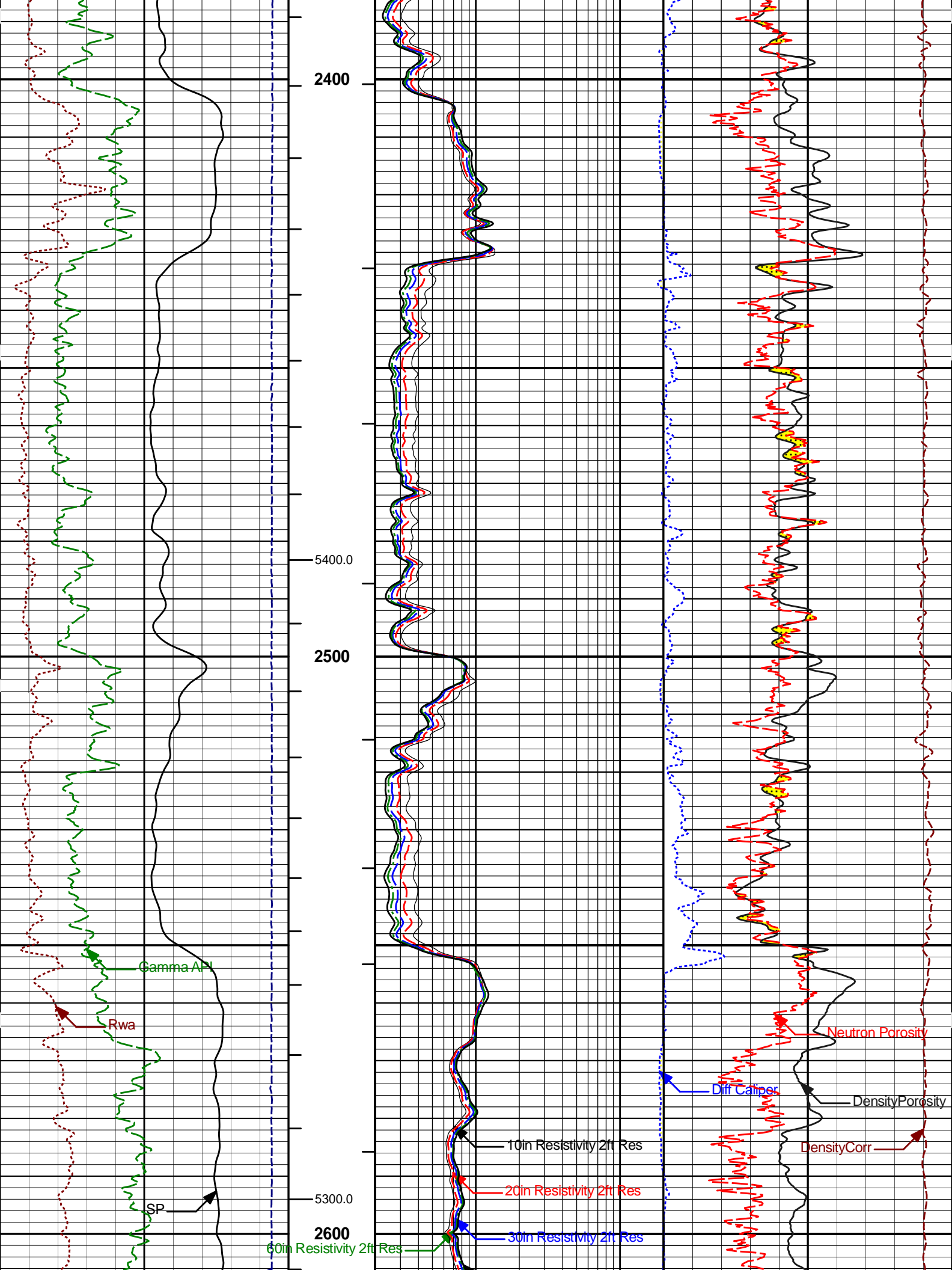
HALLIBURTON Plot Time: 01-Jul-21 13:44:45
 Plot Range: 1990 ft to 8122.58 ft
 Data: KEBO_DIAM_07_01\Well Based\DAQ-0001-003*
 Plot File: \\TC\5_INCH

MAIN SECTION 5" = 100'

-20 Diff Caliper 20
 inches







2400

5400.0

2500

Gamma API

Rwa

SP

5300.0

2600

60in Resistivity 2ft Res

10in Resistivity 2ft Res

20in Resistivity 2ft Res

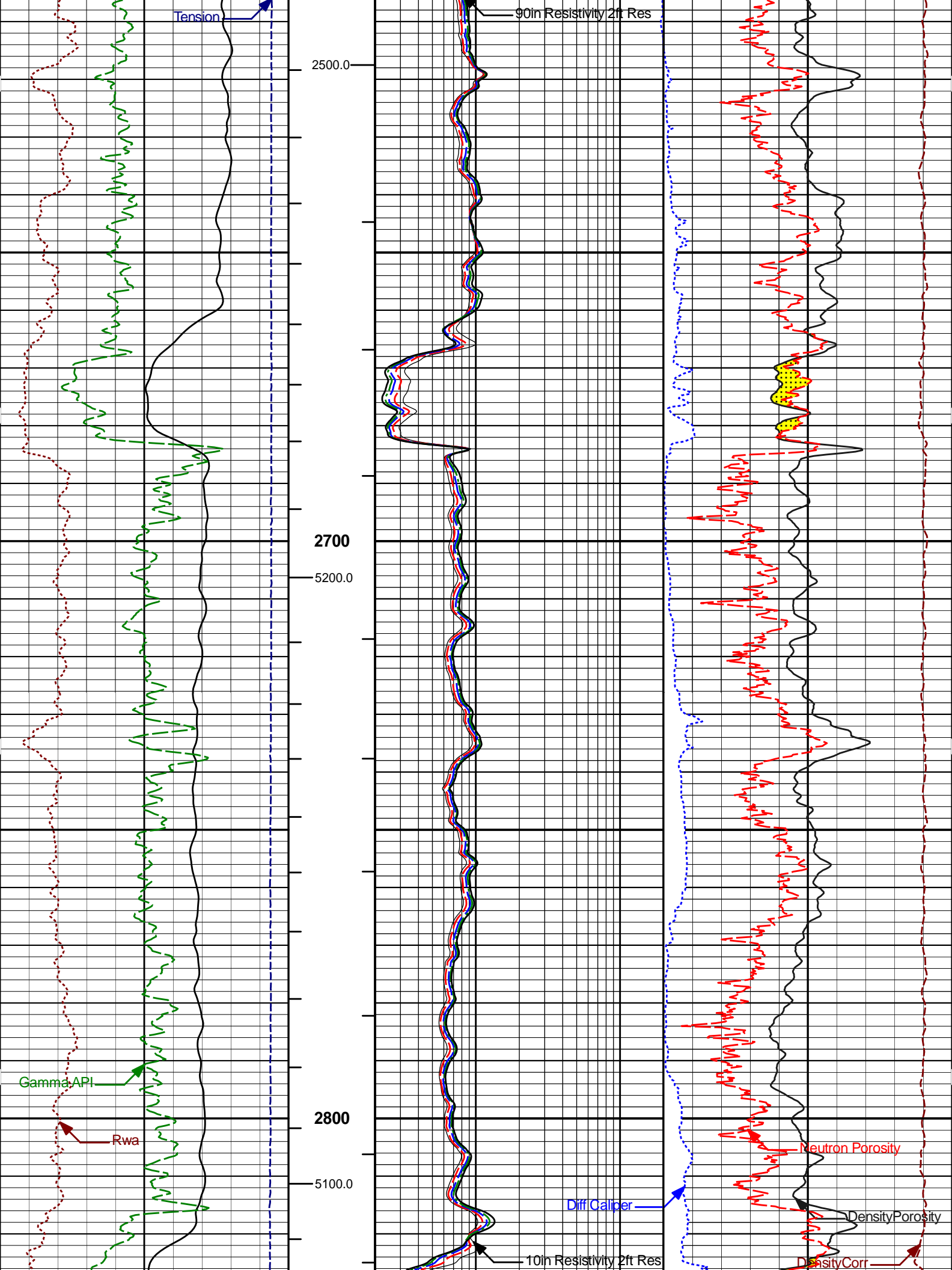
30in Resistivity 2ft Res

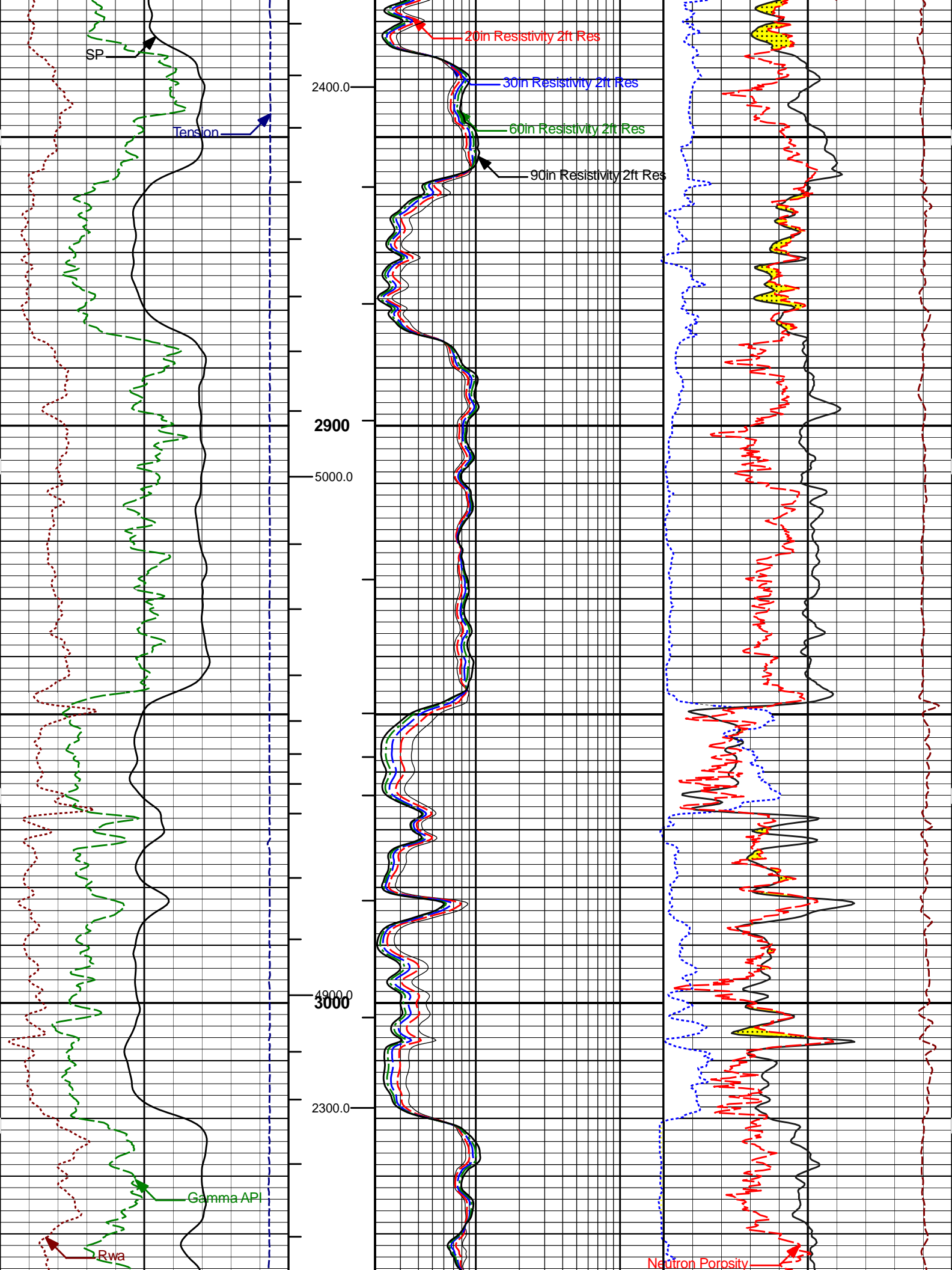
Diff Capac

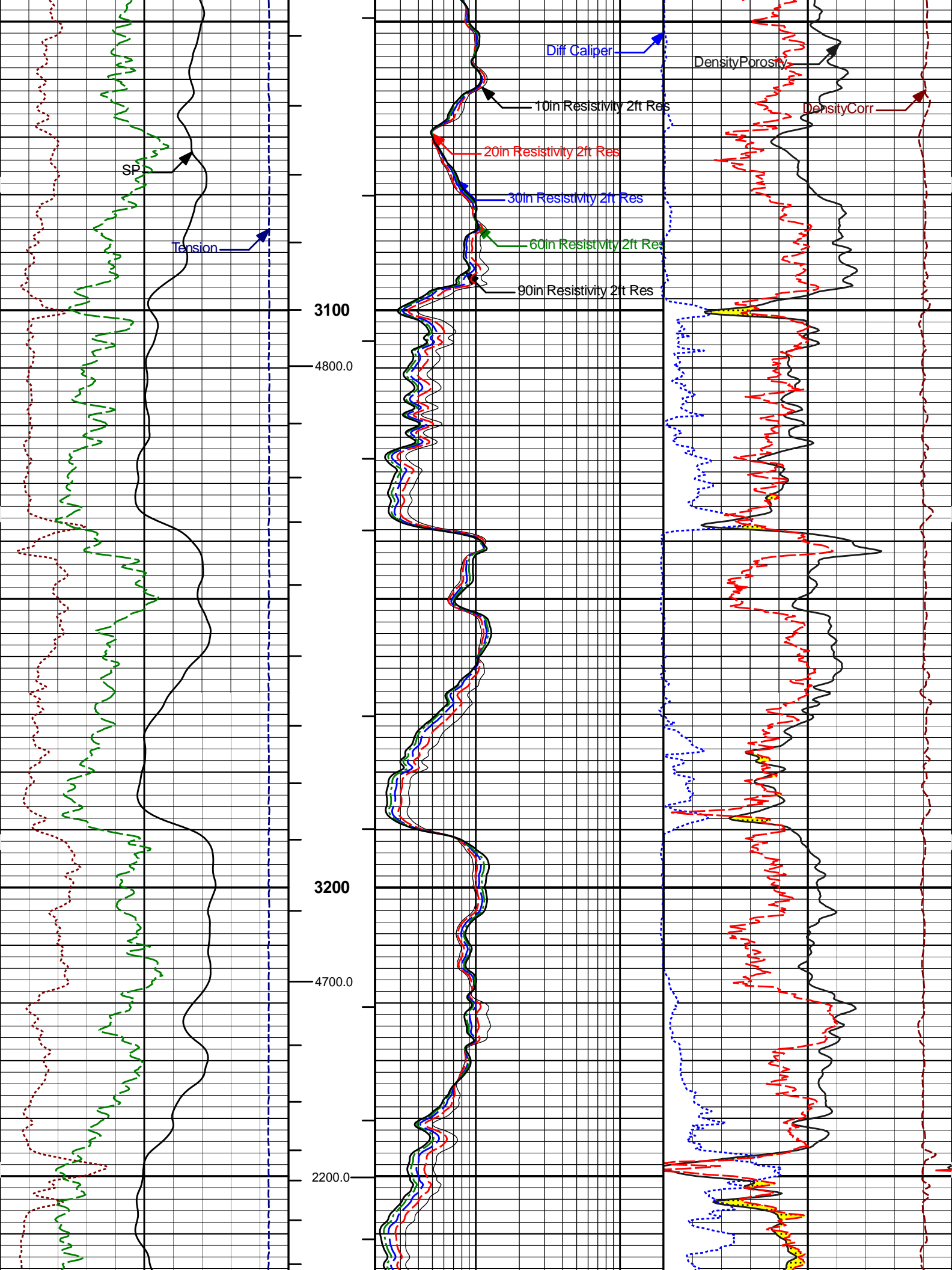
Neutron Porosity

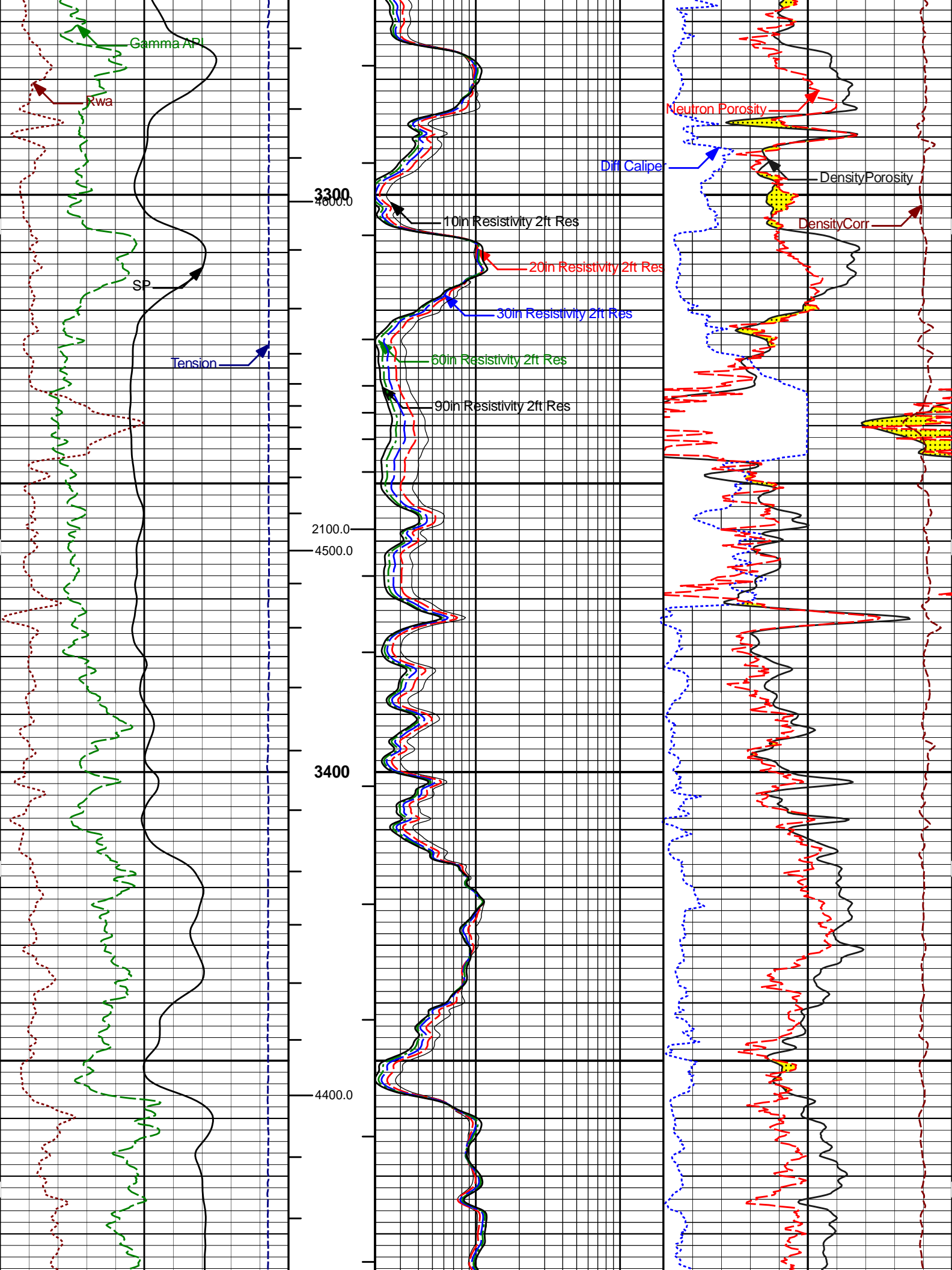
Density Porosity

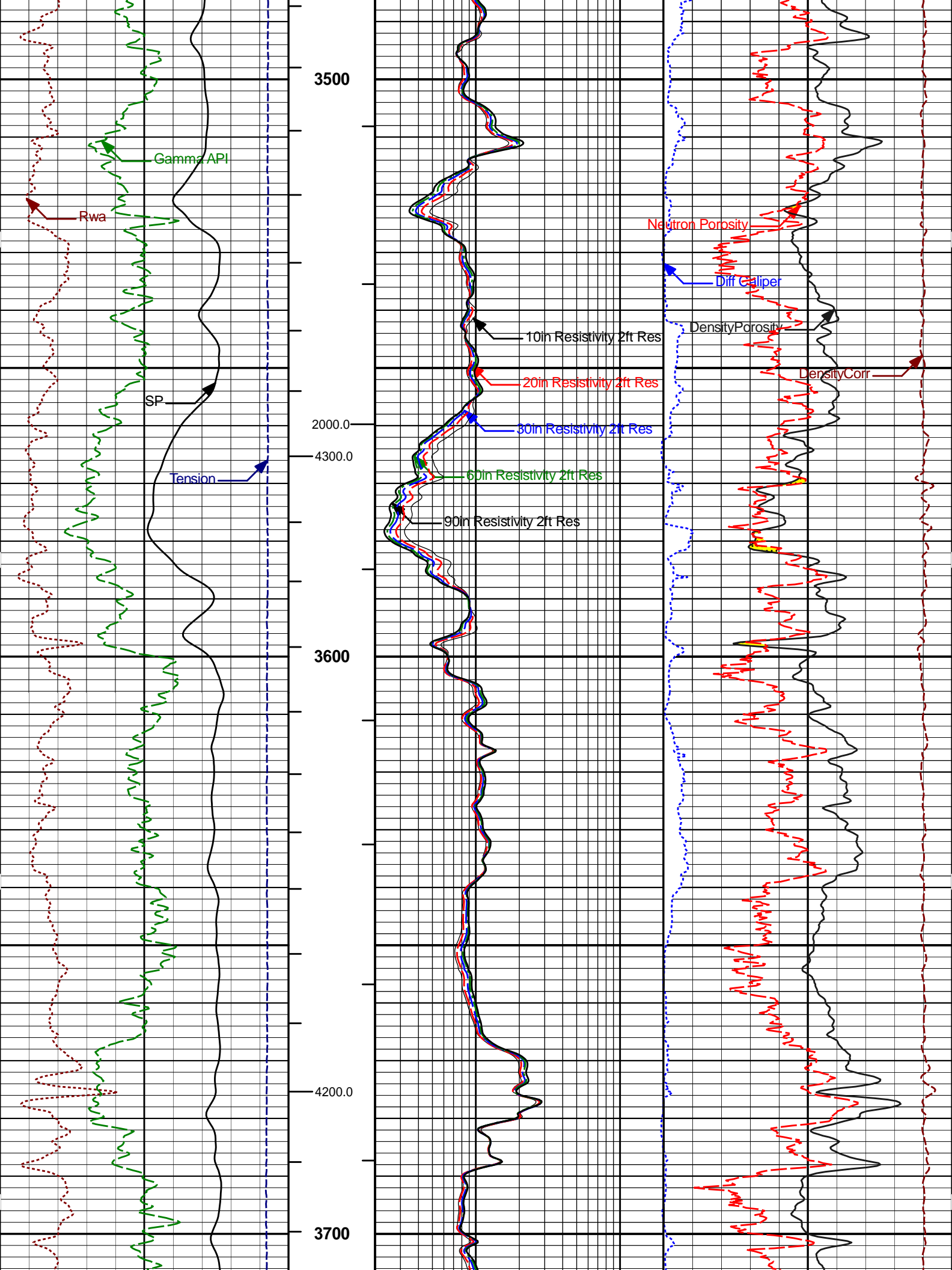
Density Corr

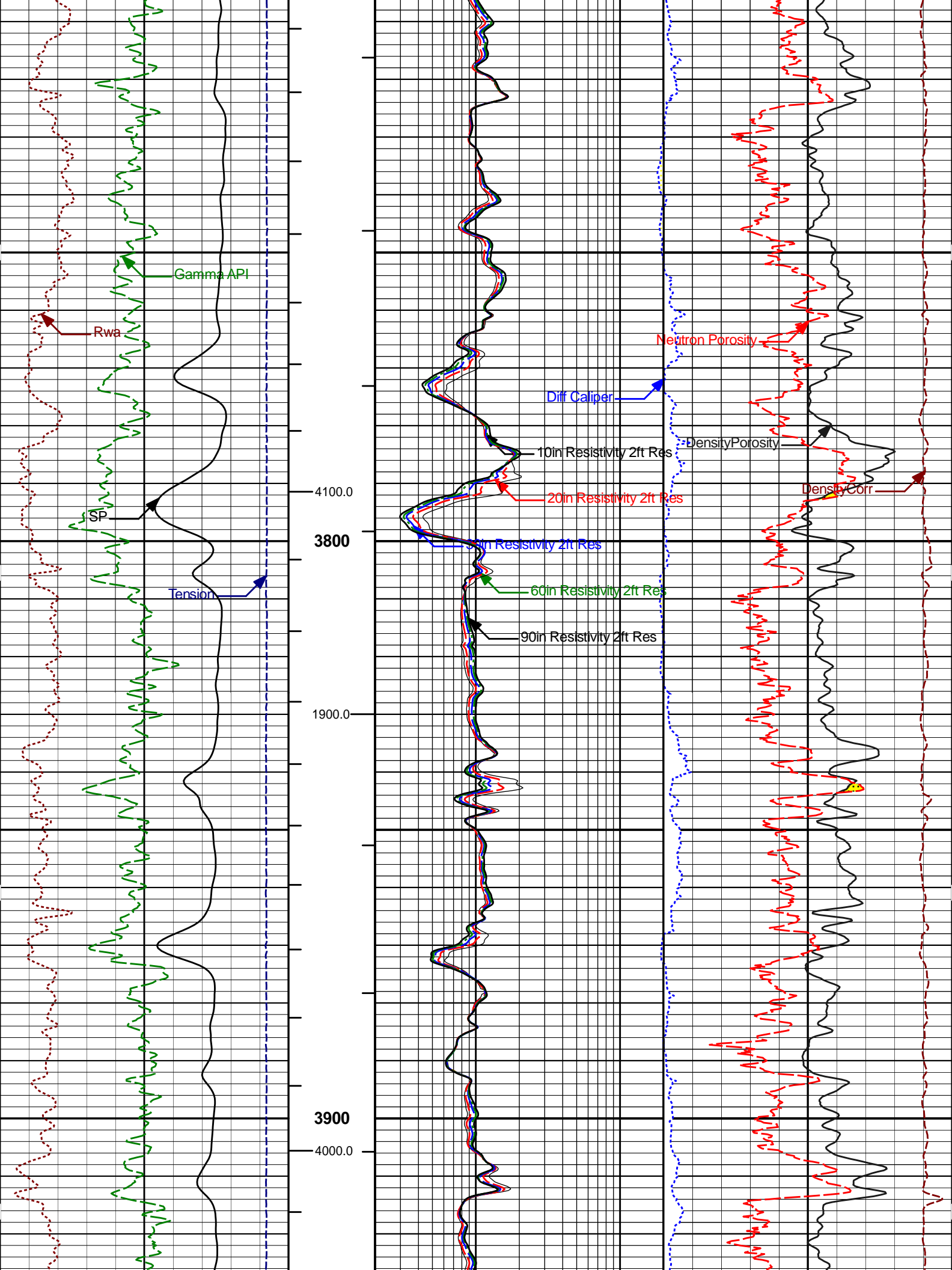


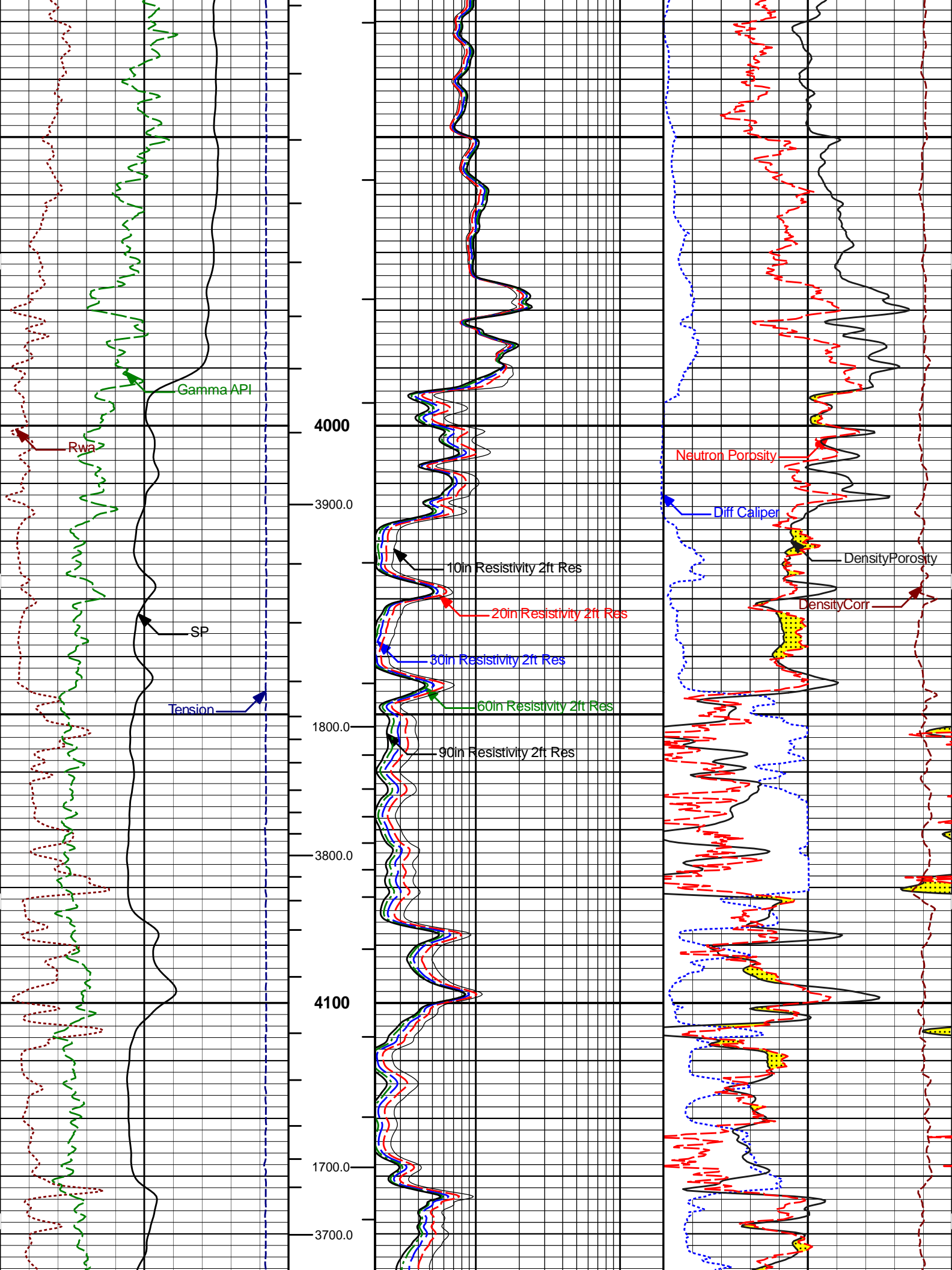


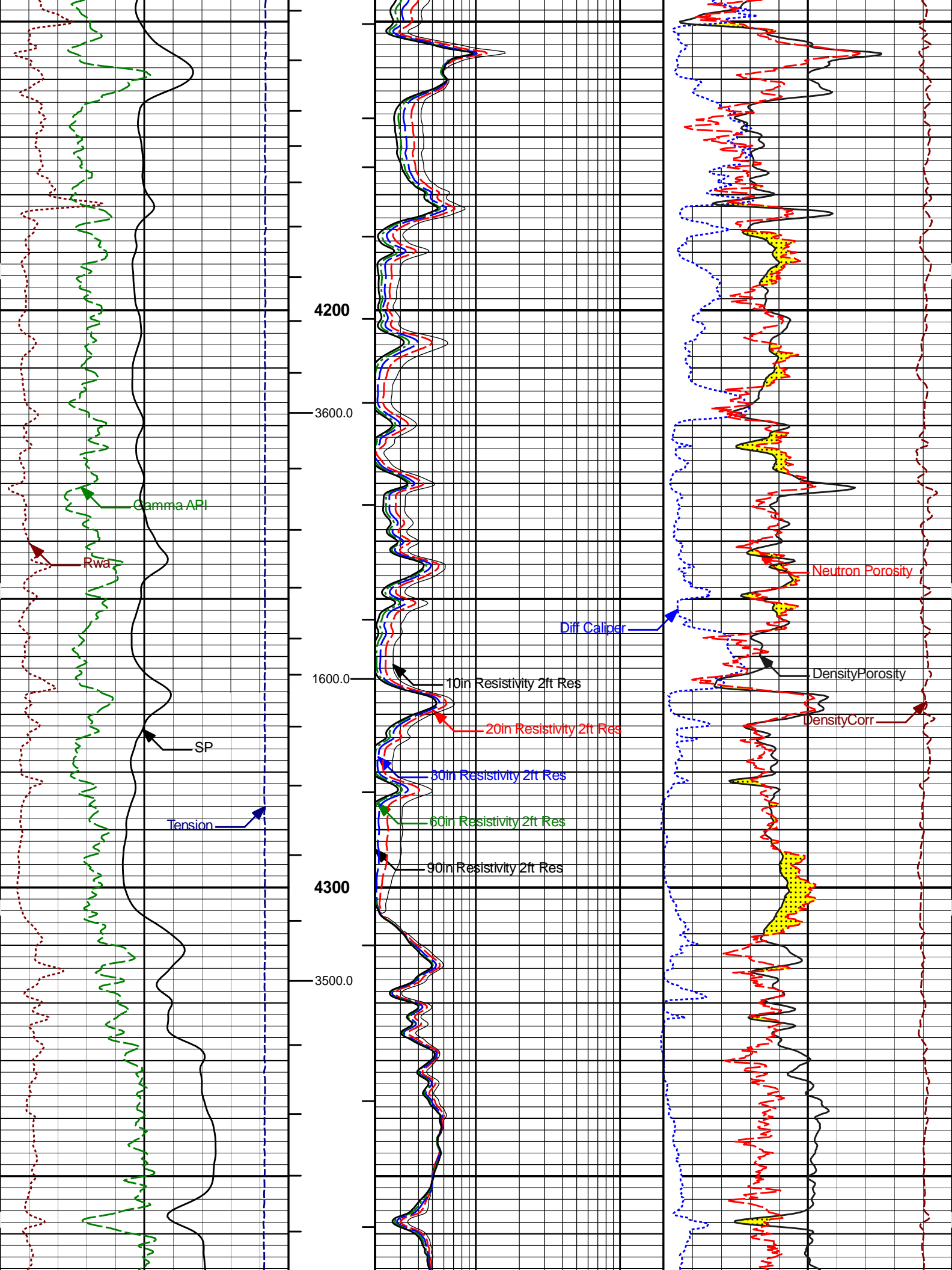


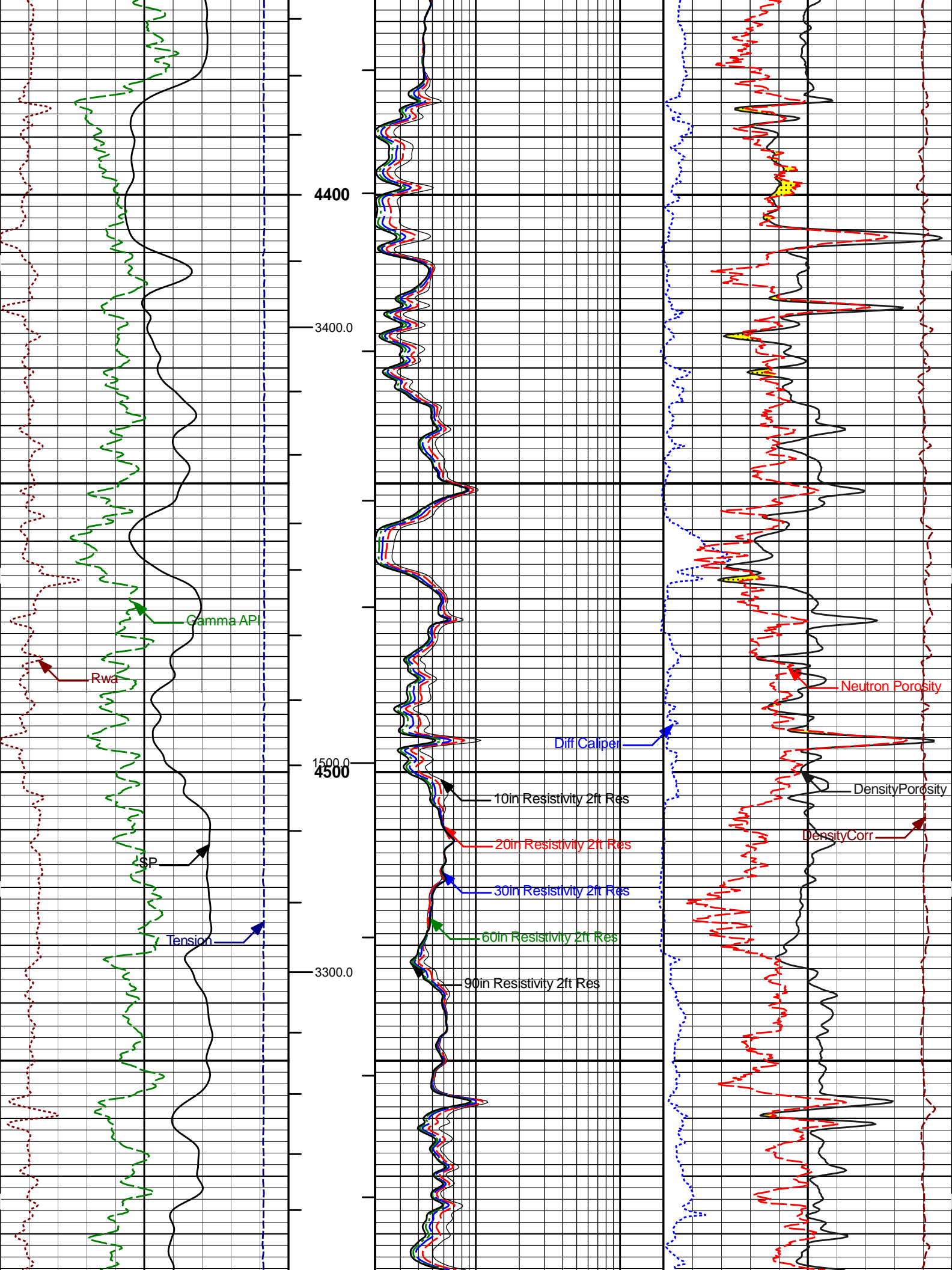


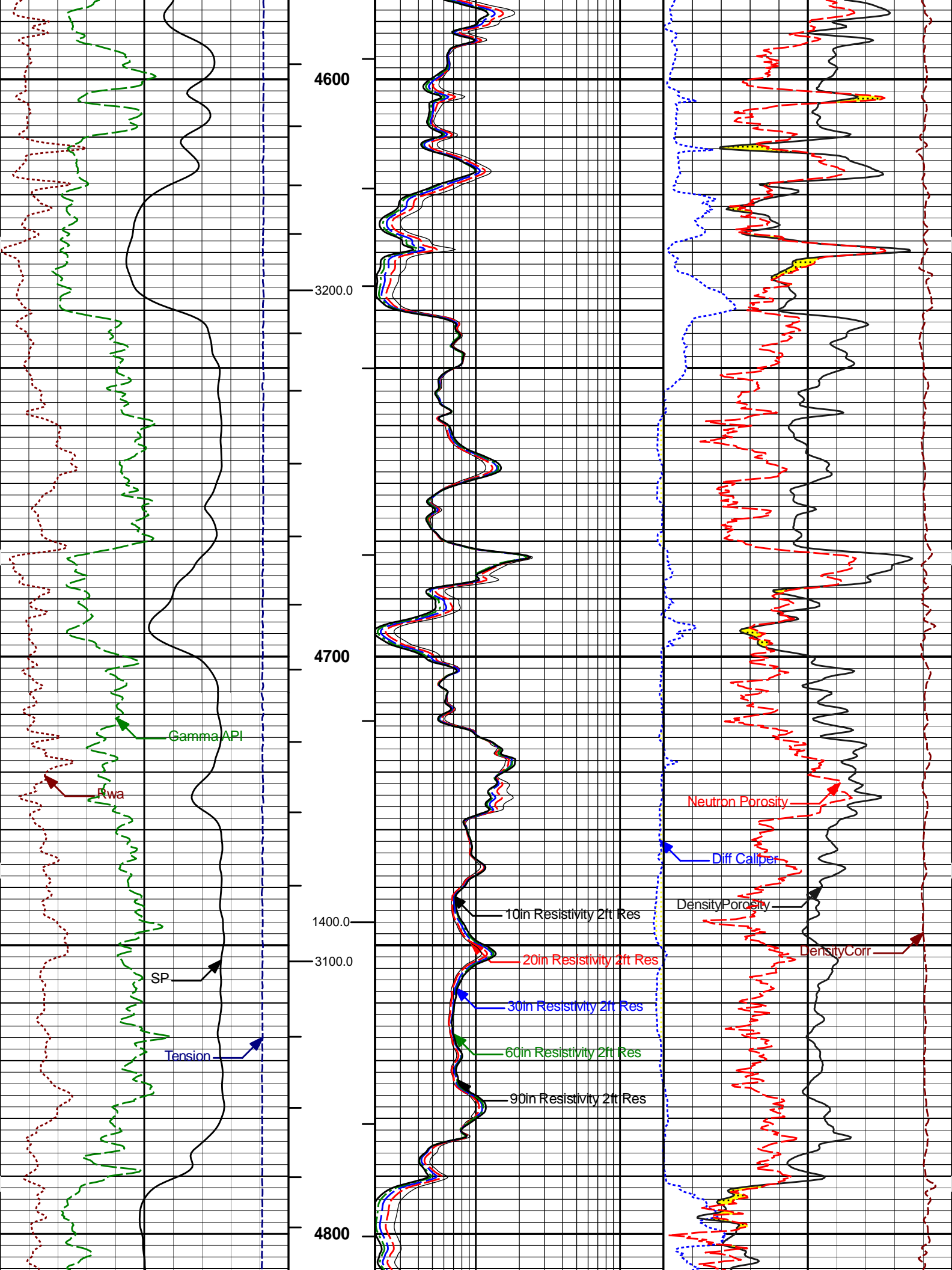


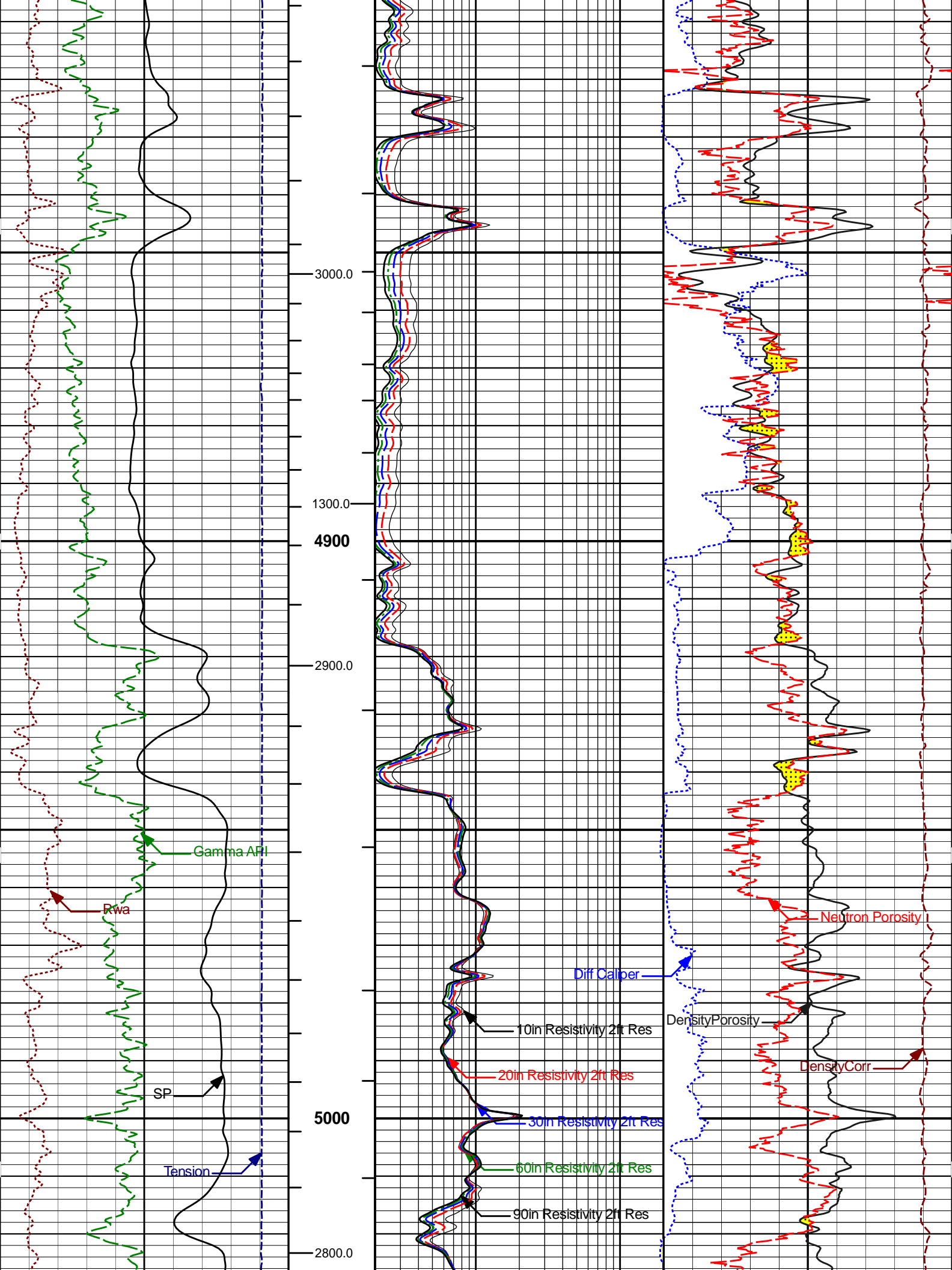


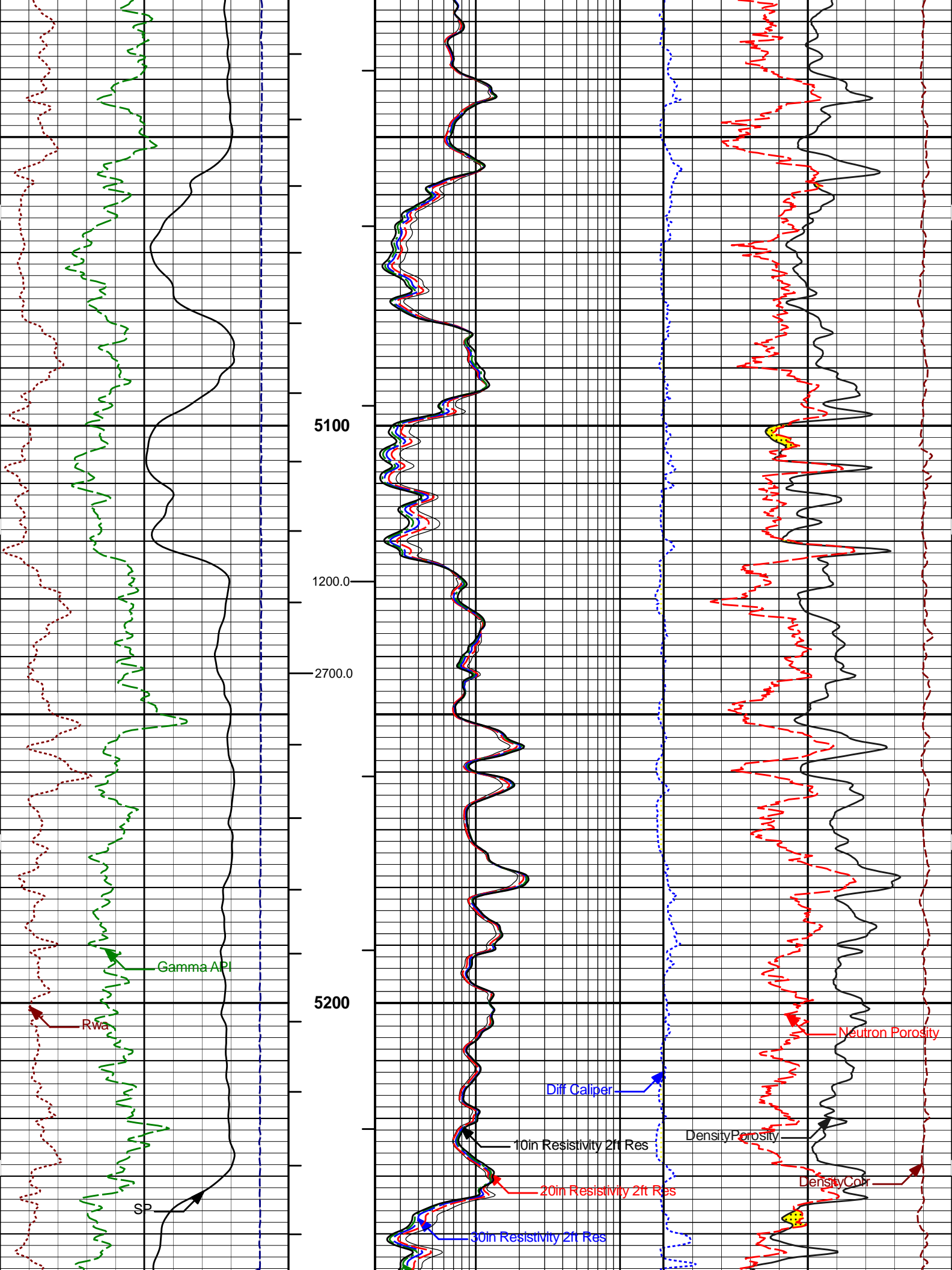


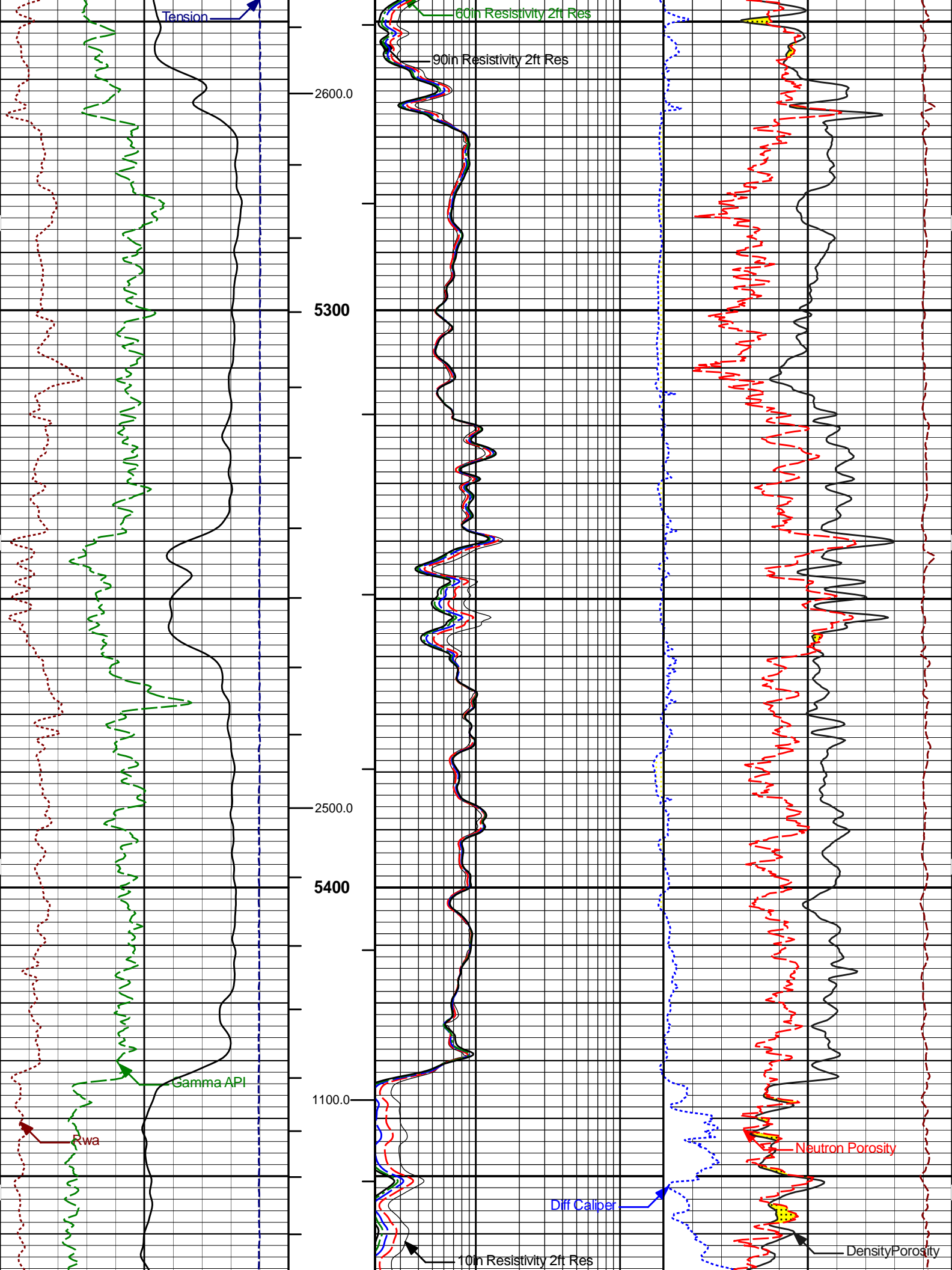


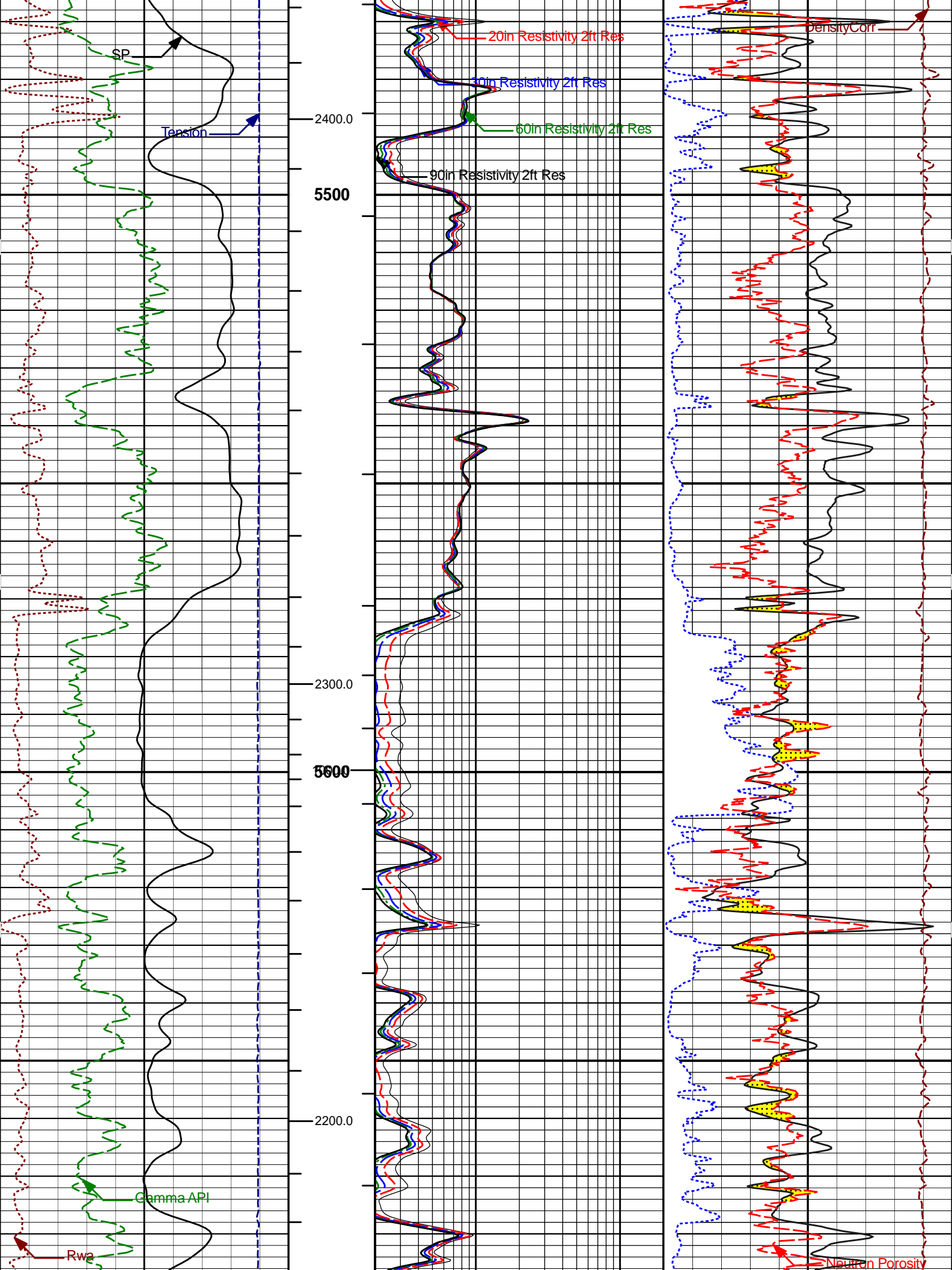


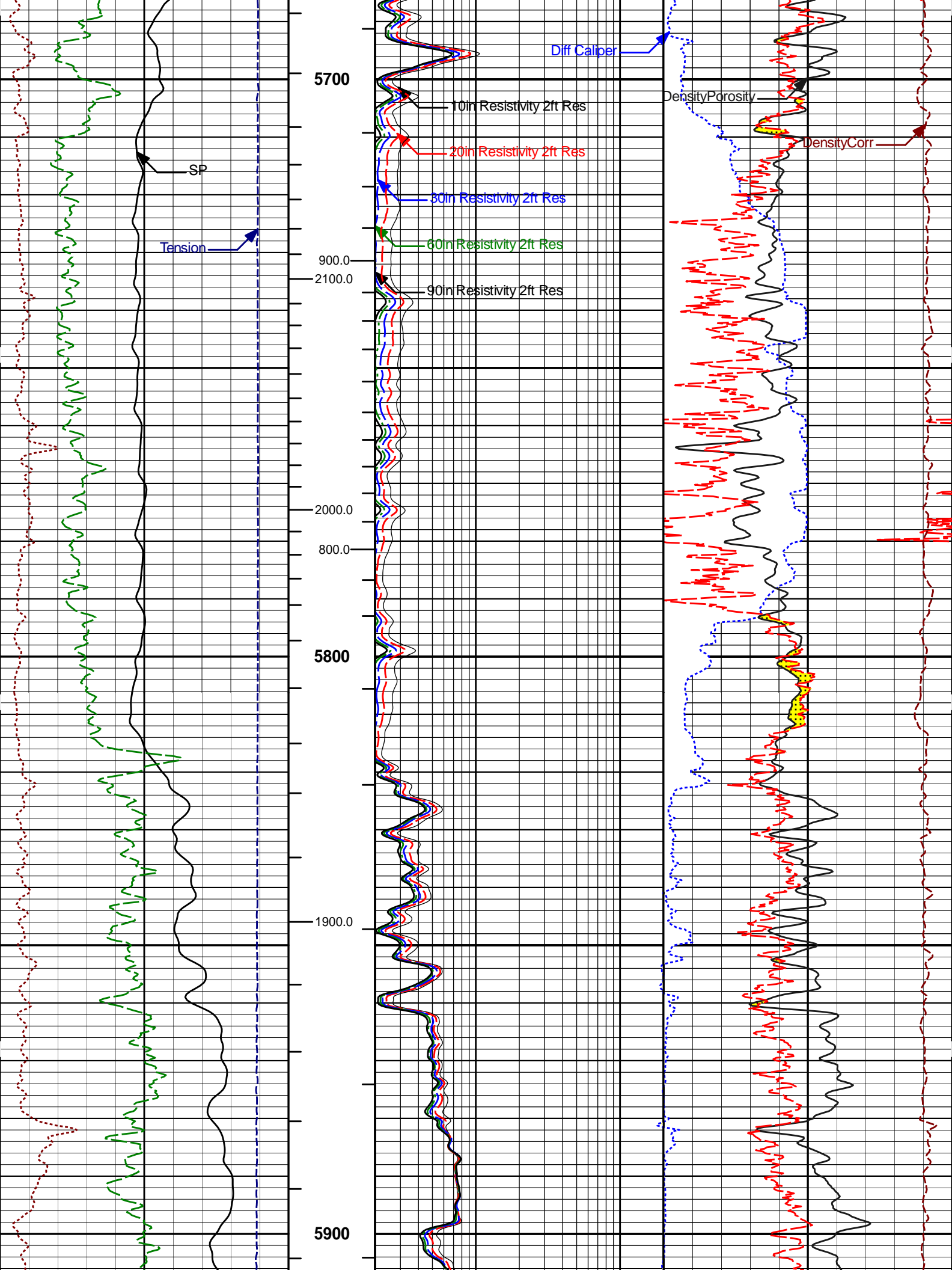


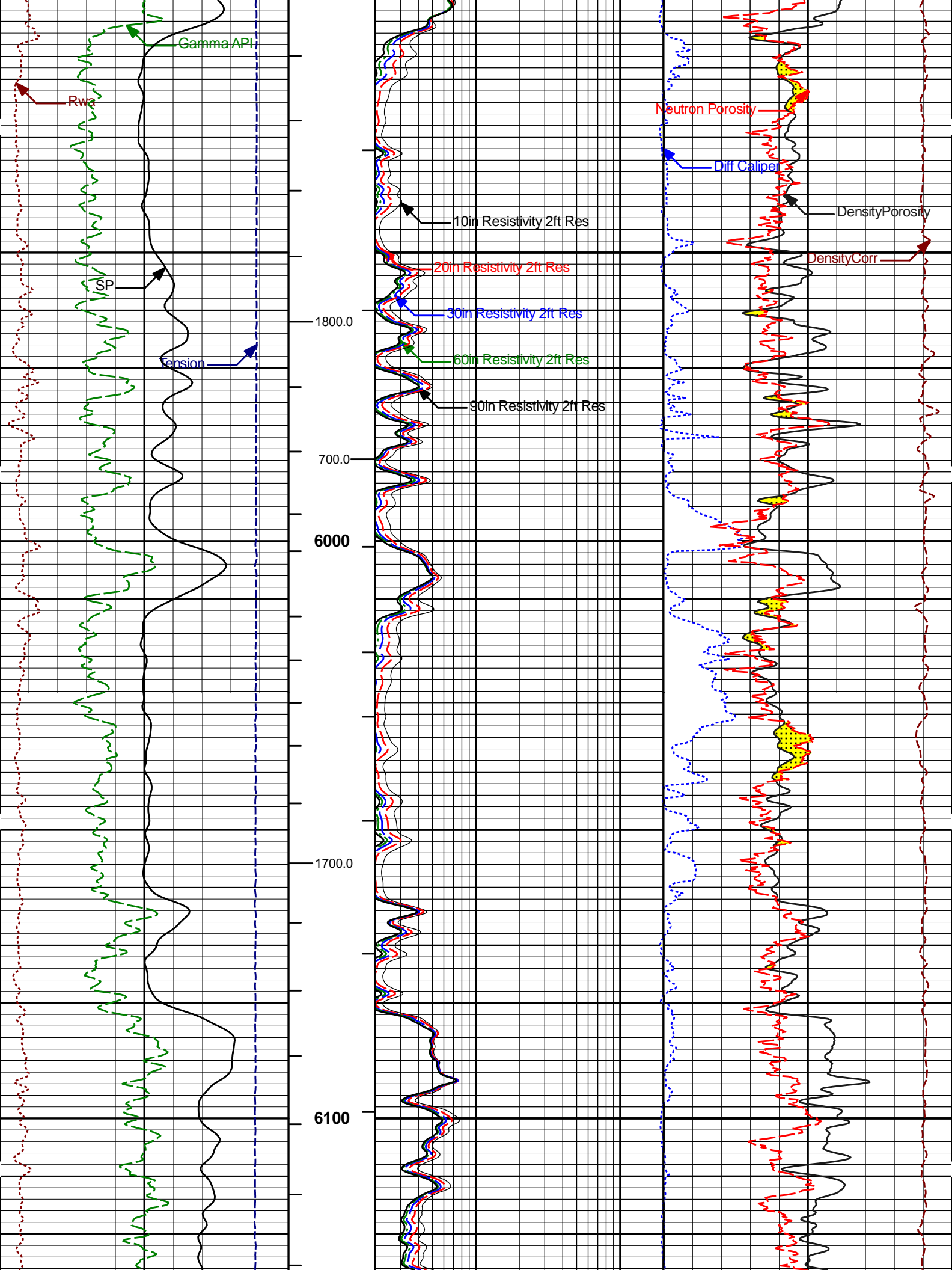


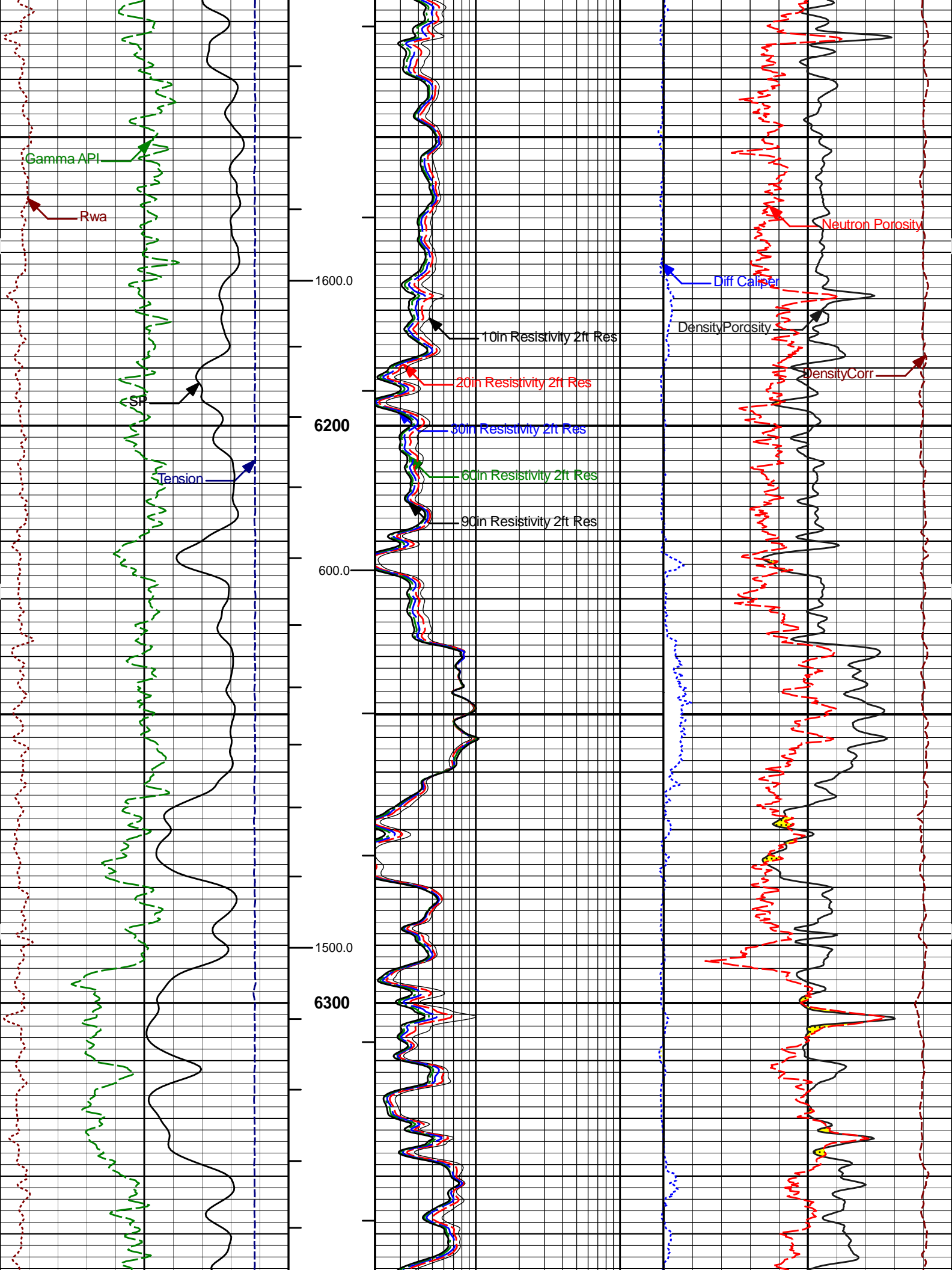


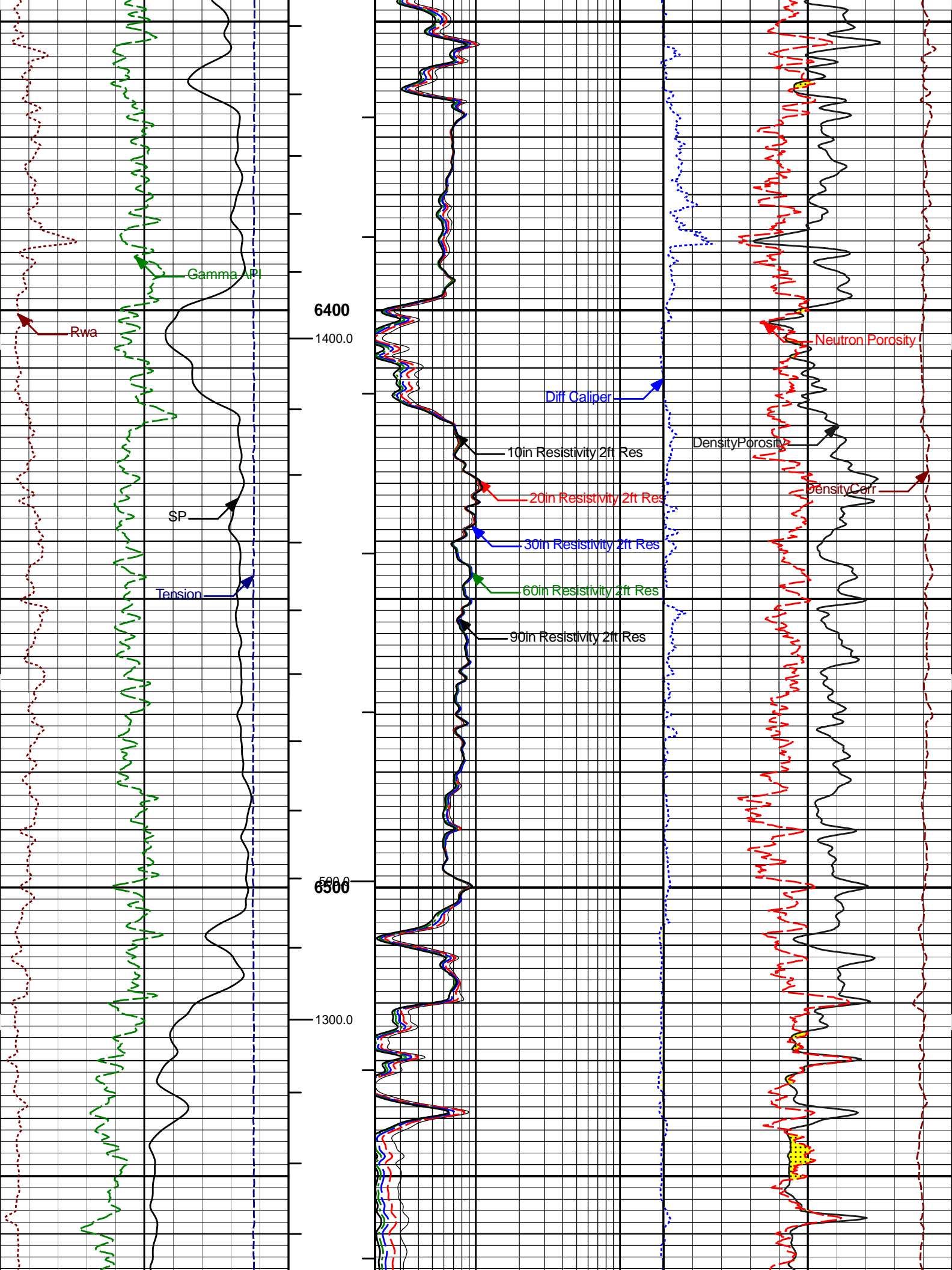


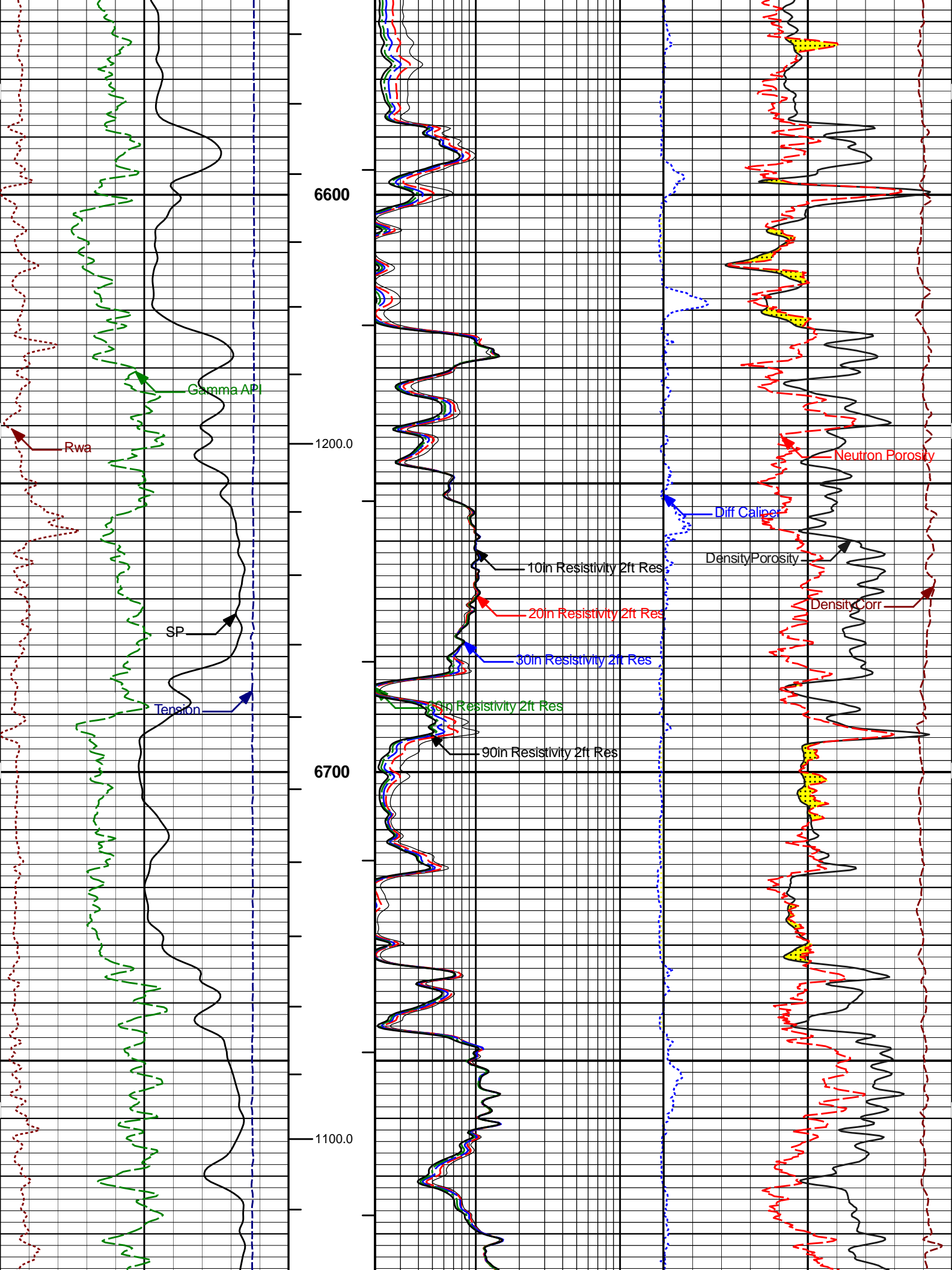


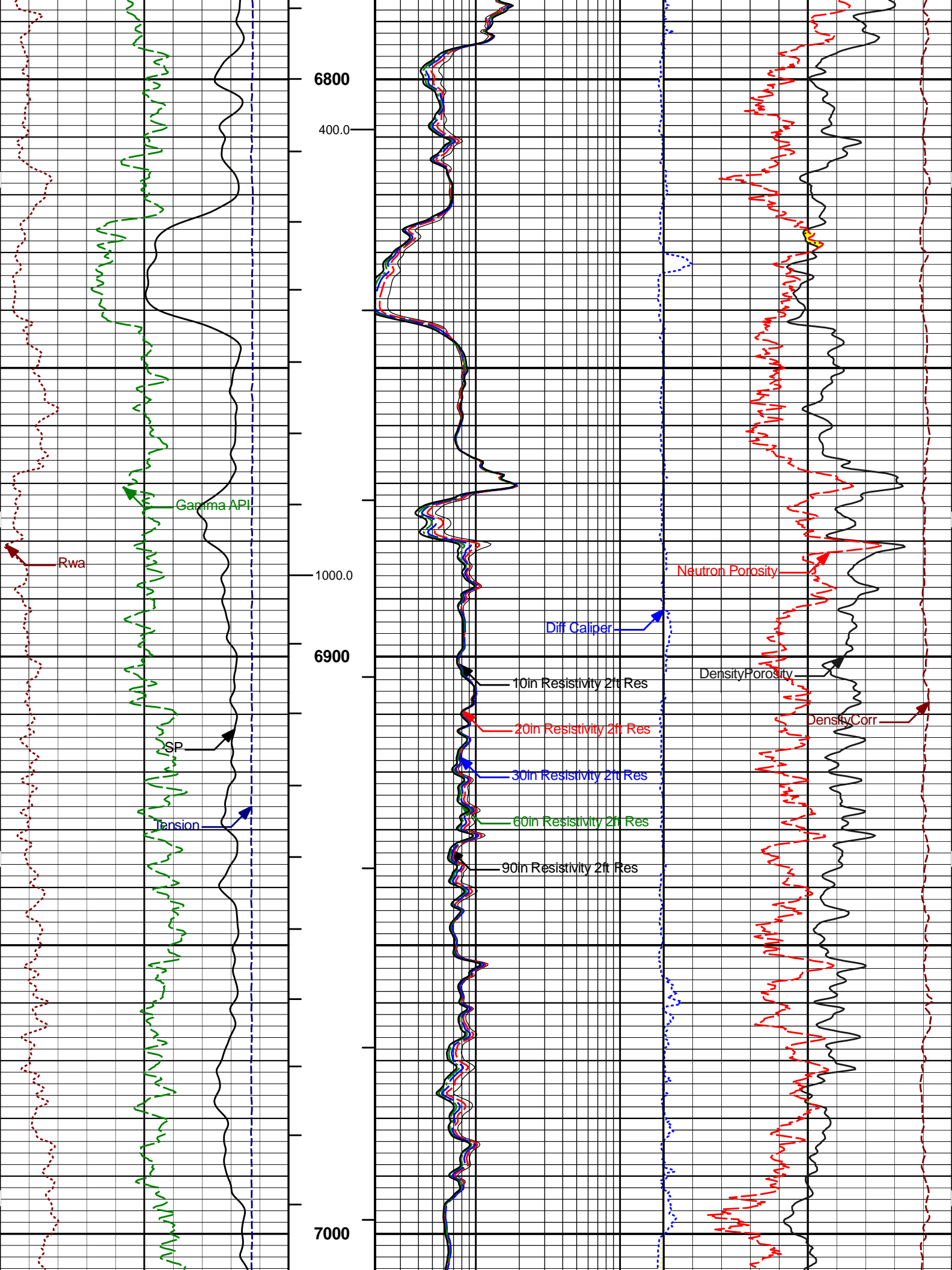


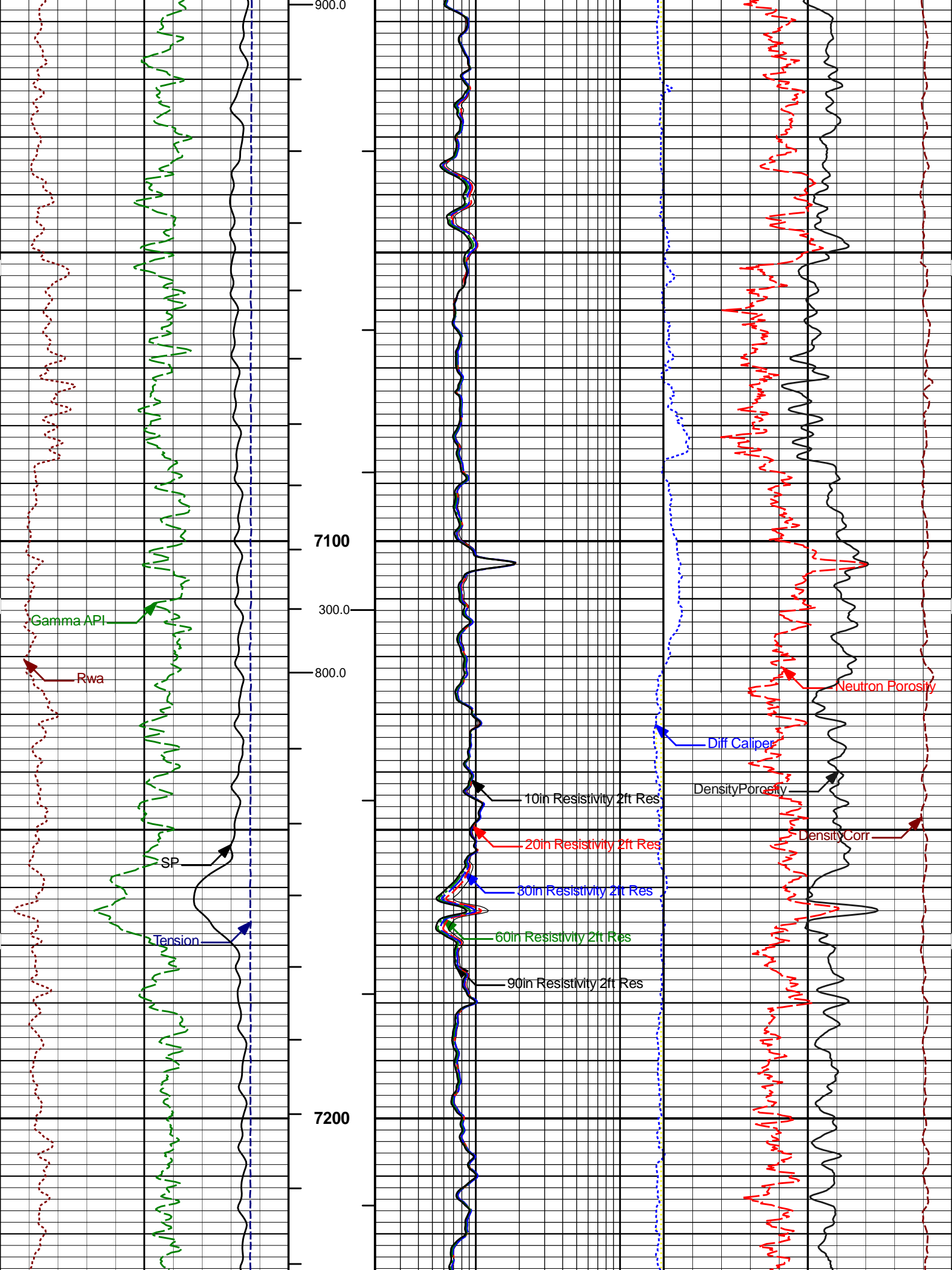


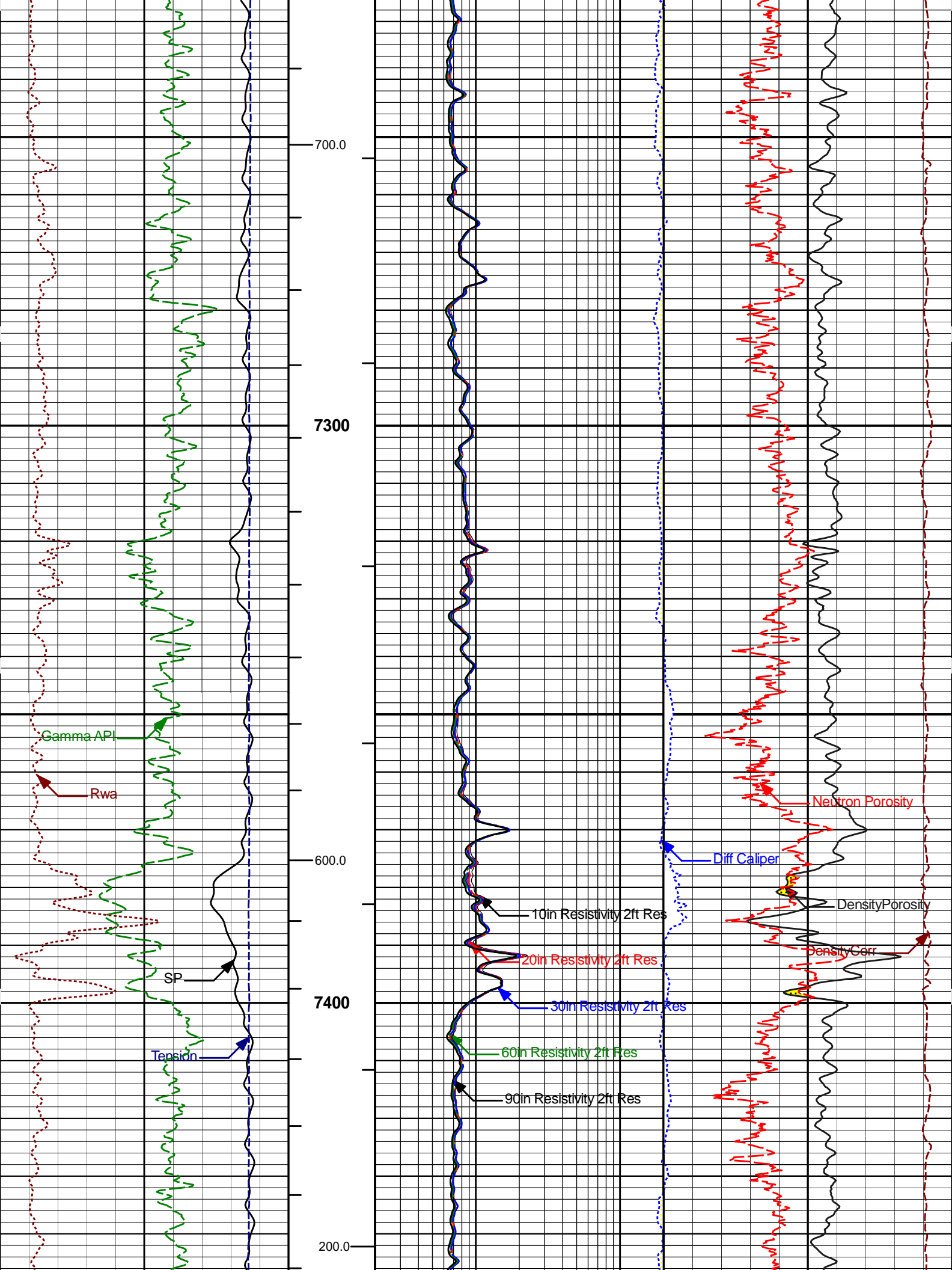


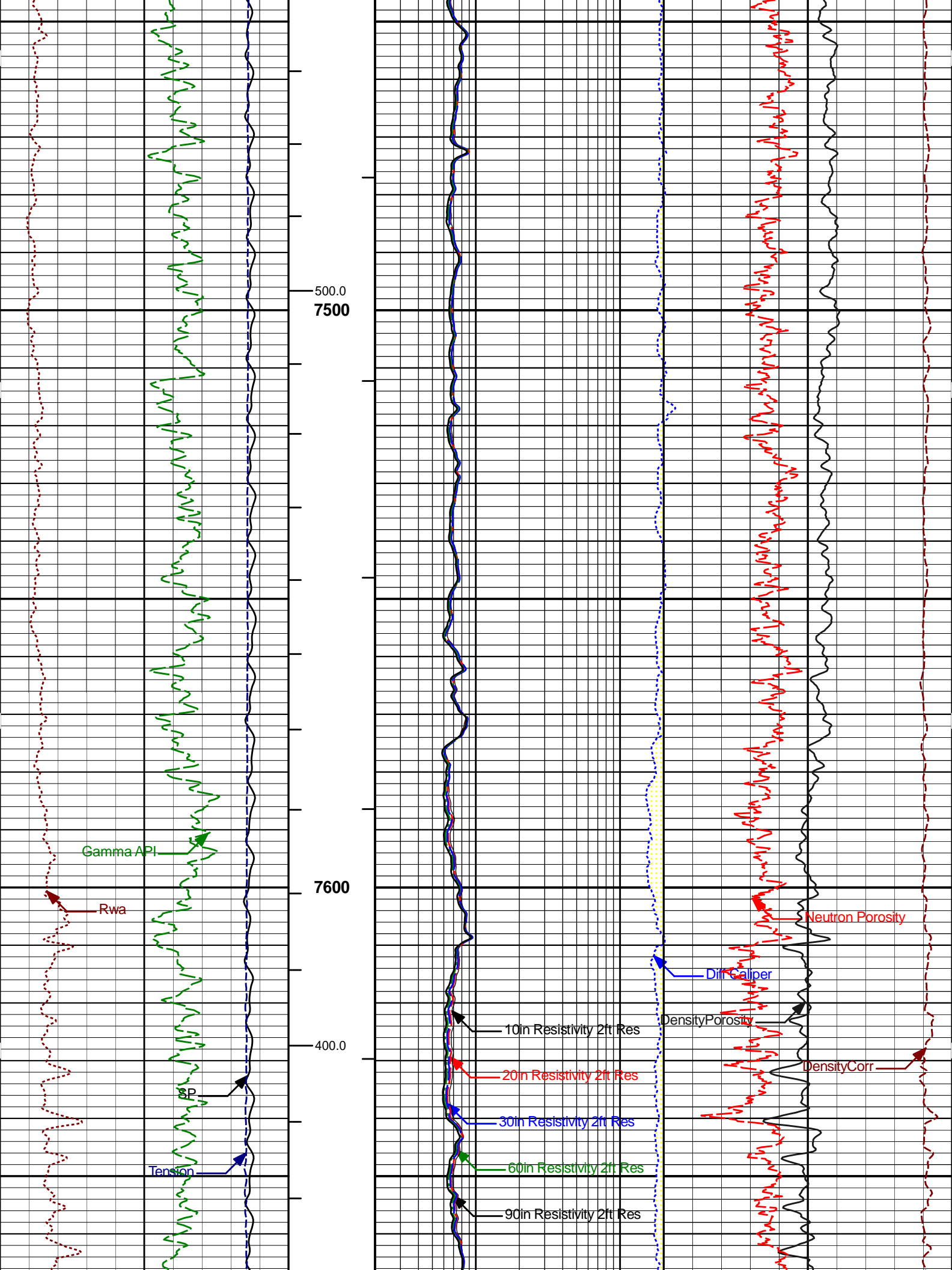


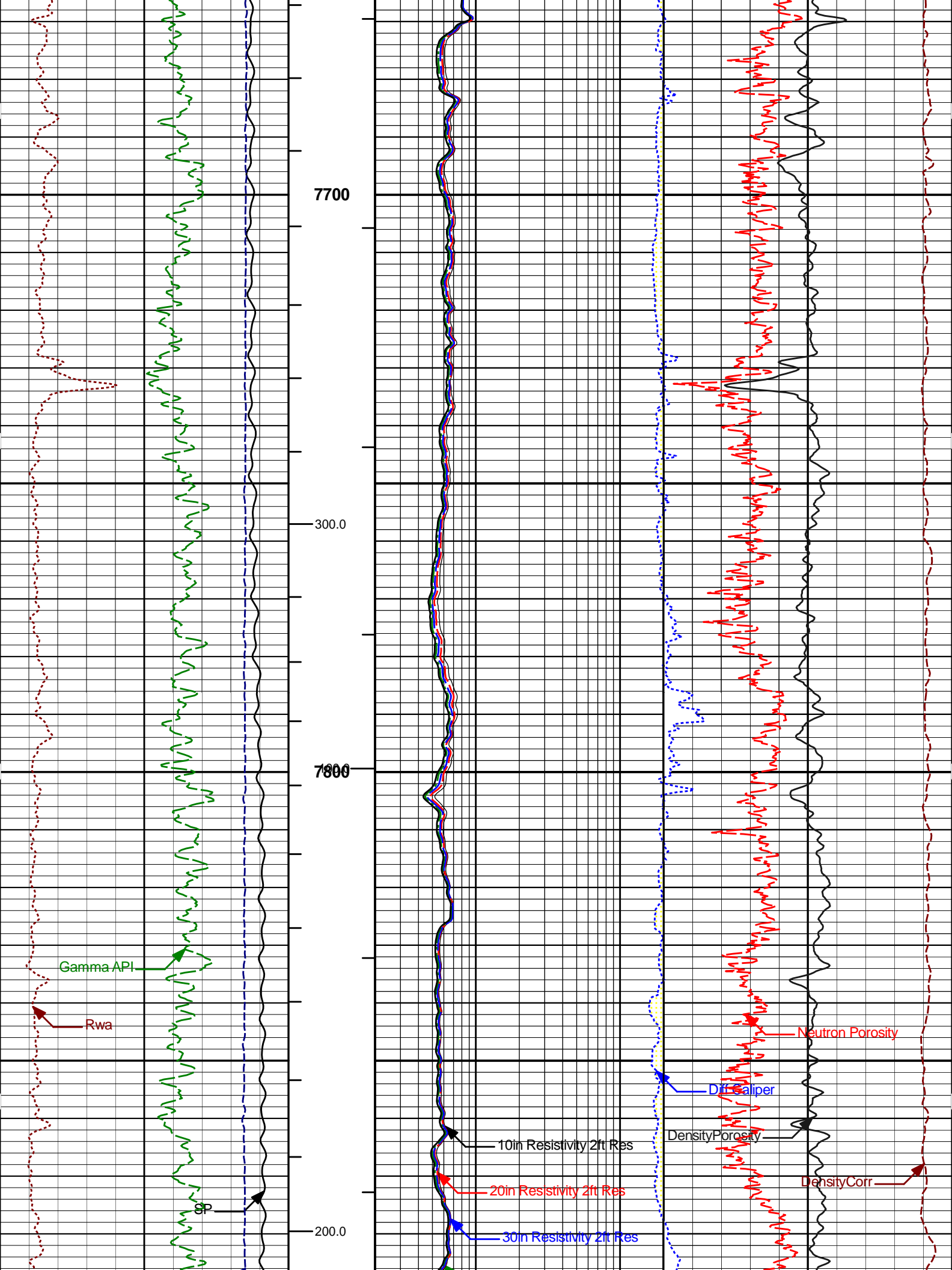


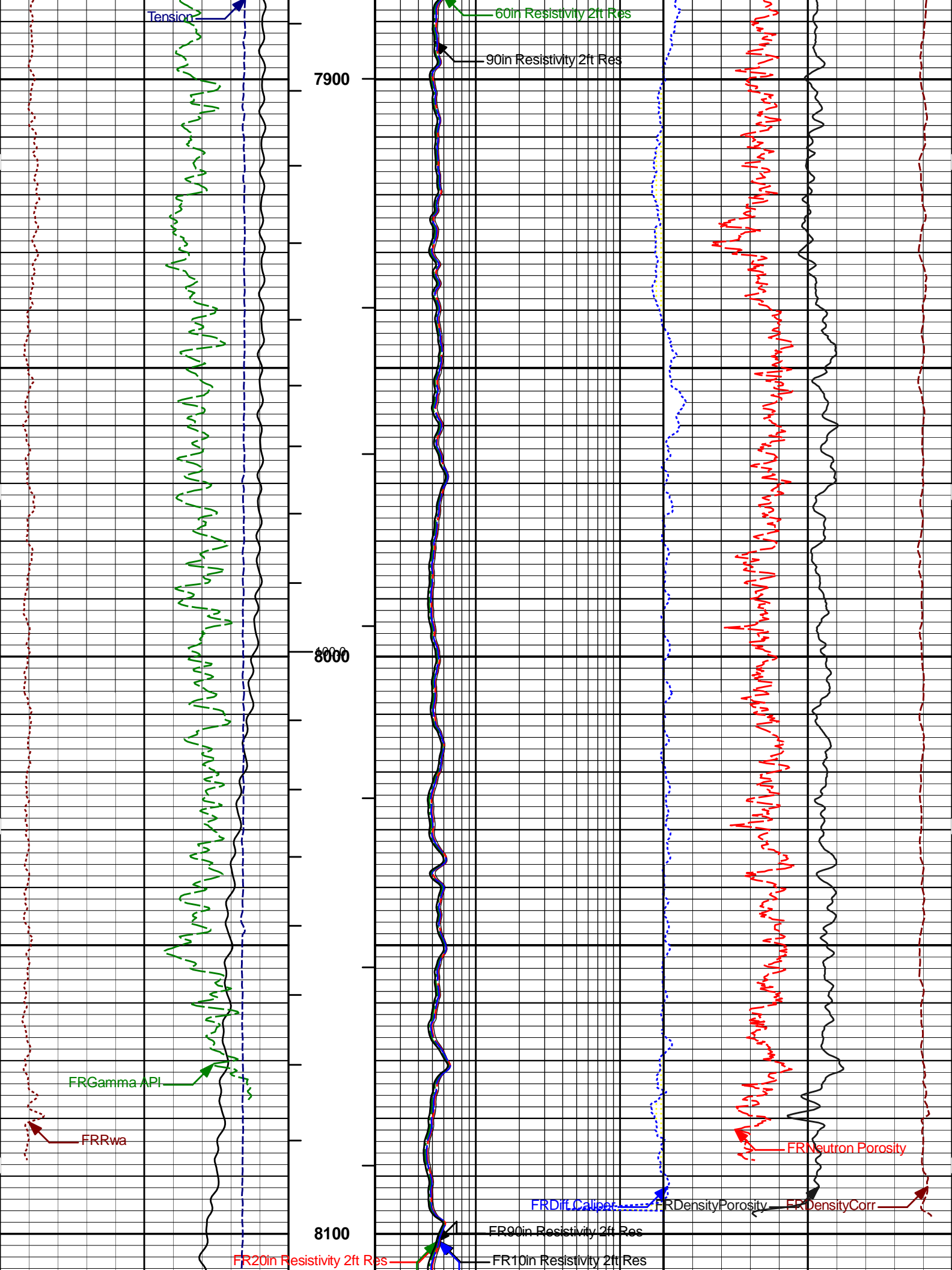


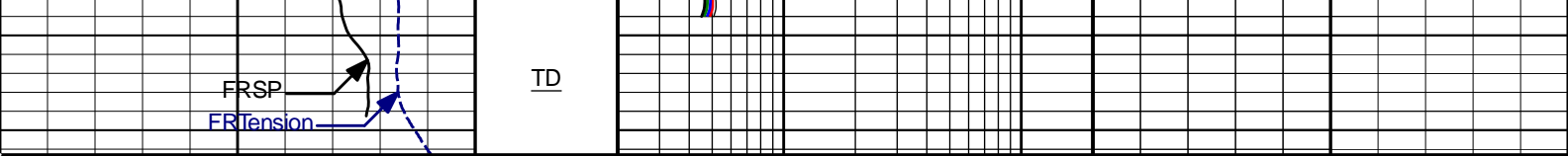












21K Tension pounds Rwa ohm-metre SP -] 20 mV [+ Gamma API api	1K 0.5 150	MD 1 : 240 ft AHV BHV	0.2	90in Resistivity 2ft Res	20	-1.8	DensityCorr	0.2	
				ohm-metre				gram per cc	
			0.2	60in Resistivity 2ft Res	20	60	DensityPorosity	0	
				ohm-metre			percent		
			0.2	30in Resistivity 2ft Res	20	60	Neutron Porosity	0	
				ohm-metre			percent		
0	20in Resistivity 2ft Res	20							
	ohm-metre								
	10in Resistivity 2ft Res	20							
	ohm-metre								
			-20	Diff Caliper				20	
				inches					

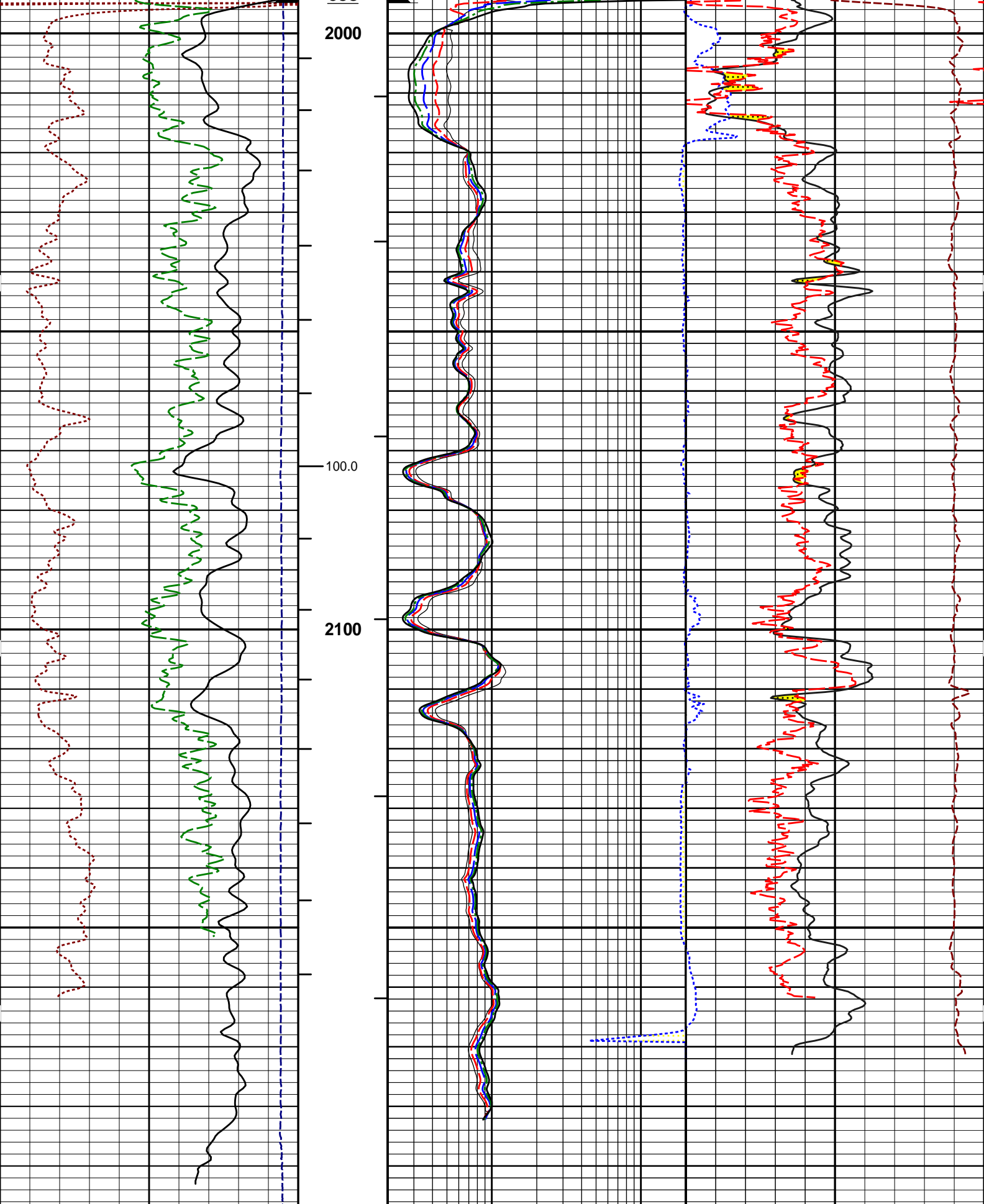
HALLIBURTON Plot Time: 01-Jul-21 13:44:52
 Plot Range: 1990 ft to 8122.58 ft
 Data: KEBO_DIAM_07_01\Well Based\DAQ-0001-003*
 Plot File: \\TC\5_INCH

MAIN SECTION 5" = 100'

HALLIBURTON Plot Time: 01-Jul-21 13:44:52
 Plot Range: 1985 ft to 2196.75 ft
 Data: KEBO_DIAM_07_01\Well Based\DAQ-0001-001*
 Plot File: \\TC\5_INCH_RPT

REPEAT SECTION 5" = 100'

21K Tension pounds Rwa ohm-metre SP -] 20 mV [+ Gamma API api	1K 0.5 150	MD 1 : 240 ft AHV BHV CSG				-20	Diff Caliper	20	
							inches		
			0	10in Resistivity 2ft Res	20				
				ohm-metre					
			0.2	20in Resistivity 2ft Res	20	60	Neutron Porosity	0	
				ohm-metre			percent		
0.2	30in Resistivity 2ft Res	20	60	DensityPorosity	0				
	ohm-metre			percent					
0.2	60in Resistivity 2ft Res	20							
	ohm-metre								
0.2	90in Resistivity 2ft Res	20	-1.8	DensityCorr	0.2				
	ohm-metre			gram per cc					



21K	Tension	1K	MD	0.2	90in Resistivity 2ft Res	20	-1.8	DensityCorr	0.2
	pounds		1 : 240		ohm-metre			gram per cc	
0	Rwa	0.5	AHV	0.2	60in Resistivity 2ft Res	20	60	DensityPorosity	0
	ohm-metre				ohm-metre			percent	

SP	BHV	0.2	30in Resistivity 2ft Res	20	60	Neutron Porosity	0
-] 20 mV [+			ohm-metre			percent	
Gamma API		0.2	20in Resistivity 2ft Res	20			
api			ohm-metre				
		0.2	10in Resistivity 2ft Res	20			
			ohm-metre				
		-20	Diff Caliper				20
			inches				

HALLIBURTON

Plot Time: 01-Jul-21 13:44:54
 Plot Range: 1985 ft to 2196.75 ft
 Data: KEBO_DIAM_07_01\Well Based\DAQ-0001-0011*
 Plot File: \\TC\5_INCH_RPT

REPEAT SECTION 5" = 100'

HALLIBURTON

PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	12.250	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDBS	Mud Base	Water	
	SHARED	MDWT	Borehole Fluid Weight	11.100	ppg
	SHARED	WAGT	Weighting Agent	Barite	
	SHARED	BSAL	Borehole salinity	0.00	ppm
	SHARED	FSAL	Formation Salinity NaCl	0.00	ppm
	SHARED	KPCT	Percent K in Mud by Weight?	0.00	%
	SHARED	RMUD	Mud Resistivity	2.000	ohmm
	SHARED	TRM	Temperature of Mud	75.0	degF
	SHARED	CSD	Logging Interval is Cased?	No	
	SHARED	ICOD	AHV Casing OD	9.625	in
	SHARED	CSTR	Compressive Strength	1000.00	psia
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	8112.00	ft
	SHARED	BHT	Bottom Hole Temperature	200.0	degF
	SHARED	SVTM	Navigation and Survey Master Tool	NONE	
	SHARED	AZTM	High Res Z Accelerometer Master Tool	GTET	
	SHARED	TEMM	CBM Temperature Master Tool	GTET	
	SHARED	MSAL	Water-base mud filtrate salinity	0.00	ppm
	Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
	Rwa / CrossPlot	FCHO	Select Source of F	Density	
	Rwa / CrossPlot	AFAC	Archie A factor	0.6200	
	Rwa / CrossPlot	MFAC	Archie M factor	2.1500	
	Rwa / CrossPlot	RMFR	Rmf Reference	0.10	ohmm

Rwa / CrossPlot	TMFR	Rmf Ref Temp	75.00	degF
Rwa / CrossPlot	RWA	Resistivity of Formation Water	0.05	ohmm
Rwa / CrossPlot	ADP	Use Air Porosity to calculate CrossplotPhi	No	
Rwa / CrossPlot	BHSM	Borehole Size Source Tool	SDLT	
Rwa / CrossPlot	ROIN	Input for RO Calculation	Rwa	
GTET	ACOK	Do ACCZ Calculations?	Yes	
GTET	GROK	Process Gamma Ray?	Yes	
GTET	GEOK	Process Gamma Ray EVR?	No	
GTET	TPOS	Tool Position for Gamma Ray Tools.	Eccentered	
GTET	BHSM	Borehole Size Source Tool	SDLT	
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	DNTT	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	LHWT	Logging Horizontal Water Tank?	No	
DSNT	UCLA	Classic Neutron Parameter utilized?	No	
DSNT	BHSM	Borehole Size Source Tool	SDLT	
SDLT	CLOK	Process Caliper Outputs?	Yes	
SDLT Pad	DNOK	Process Density?	Yes	
SDLT Pad	DNOK	Process Density EVR?	No	
SDLT Pad	CB	Logging Calibration Blocks?	No	
SDLT Pad	SPVT	SDLT Pad Temperature Valid?	Yes	
SDLT Pad	DTWN	Disable temperature warning	No	
SDLT Pad	DMA	Formation Density Matrix	2.650	g/cc
SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
SDLT Pad	BHSM	Borehole Size Source Tool	SDLT	
ACRt Sonde	RTOK	Process ACRt?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Up	
ACRt Sonde	TPOS	Tool Position	Free Hanging	
ACRt Sonde	RMOP	Rmud Source	Mud Cell	
ACRt Sonde	RMIN	Minimum Resistivity for MAP	0.20	ohmm
ACRt Sonde	RMAX	Maximum Resistivity for MAP	200.00	ohmm
ACRt Sonde	THQY	Threshold Quality	0.50	
ACRt Sonde	MRFX	Fixed mud resistivity	2000	ohmm
ACRt Sonde	BHSM	Borehole Size Source Tool	SDLT	
ACRt Sonde	MBFL	Apply Corkscrew Effect?	No	

BOTTOM

Data: KEBO_DIAM_07_01\0001 TRIPLE-SILVER\003 01-Jul-21 11:38 Up @8123.0f

Date: 01-Jul-21 12:52:31

HALLIBURTON

CALIBRATION REPORT

SURFACE TENSION SHOP CALIBRATION

Tool Name: Depth Panel - 12345678

Reference Calibration Date: 29-Jun-21 20:08:08

Engineer: M. GALLION	Calibration Date: 01-Jul-21 10:39:03
Software Version: WL INSITE R6.4.10 (Build 2)	Calibration Version: 1

SURFACE TENSION LOAD CELL					
Measurement	Load Cell Value	Measurement	Calibrated	Units	
Low	0.89	8.71	0.00	lbs	
High	7833.67	7838.53	7830.00	lbs	

DOWNHOLE TENSION SHOP CALIBRATION					
Tool Name: RWCH - 12027542	Reference Calibration Date: 28-Apr-21 20:09:42				
Engineer: M. GALLION	Calibration Date: 01-Jul-21 10:40:35				
Software Version: WL INSITE R6.4.10 (Build 2)	Calibration Version: 1				

DOWNHOLE LOAD CELL					
Measurement	Tool Value	Measurement	Calibrated	Units	
Low	-1921.68	103.77	0.00	lbs	
High	1933.65	1531.10	1200.00	lbs	

NATURAL GAMMA RAY TOOL SHOP CALIBRATION					
Tool Name: GTET - 11958947	Reference Calibration Date: 21-Oct-20 18:39:52				
Engineer: MOHAMED ABUELGASIM	Calibration Date: 24-Jun-21 12:51:42				
Software Version: WL INSITE R6.4.10 (Build 2)	Calibration Version: 1				

Calibrator Source S/N: TB-768
 Calibrator API Reference:203.00 api
 Equivalent Calibrator API Reference:206.6 api

Measurement	Measured	Calibrated	Units
Background	16.6	16.2	api
Background + Calibrator	229.2	222.7	api
Calibrator	212.6	206.6	api

DUAL SPACED NEUTRON SHOP CALIBRATION					
Tool Name: DSNT - 11020488	Reference Calibration Date: 16-Jun-21 12:26:29				
Engineer: MOHAMED ABUELGASIM	Calibration Date: 16-Jun-21 12:40:49				
Software Version: WL INSITE R6.2.6 (Build 4)	Calibration Version: 1				

Logging Source S/N: DSN-313
 Tank Serial Number: 10585331
 Reference value assigned to Tank: 54.090
 Snow Block S/N: 11362848
 Calibration Tank Water Temperature: 90 degF
 Min. Tool Housing Outside Diameter: 3.625 in

CALIBRATION CONSTANTS			
Measurement	Prev. Value	New Value	Control Limit On New Value
Gain:	0.96103	0.96207	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):	0.2241	0.2244	0.0003	+/- 0.0020
Calibrated Ratio:	10.1705	10.1816	0.011	+/- 0.050

VERIFIER		
Measurement	Value	Control Limit

Measurement	Value	Control Limit
Snow-Block Porosity (decp):	0.0746	0.02000 - 0.09000

PASS/FAIL SUMMARY	
Background Check:	Passed
Gain-Range Check:	Passed
Snow-Block Check:	Passed

DENSITY CALIPER SHOP CALIBRATION

Tool Name: SDLT - 11014296	Reference Calibration Date: 03-Apr-21 15:06:15
Engineer: MOHAMED ABUELGASIM	Calibration Date: 03-Apr-21 15:11:09
Software Version: WL INSITE R6.2.6 (Build 4)	Calibration Version: 1
Host Tool Name: DSNT - 11020488	

CALIBRATION COEFFICIENTS			
Measurement	Previous Value	New Value	Control Limit On New Value
Pad Offset	-2241.00	-2631.15	-7000.00 - -1000.00
Pad Gain	0.0003856	0.0003889	0.0002000 - 0.0006000
Arm Offset	-4151.53	-3822.47	-5000.00 - 3000.00
Arm Gain	0.0005466	0.0005395	0.0003000 - 0.0007000
Arm Power	-0.000004078	-0.000003498	-0.000010000 - 0.000010000

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)	2.13	2.00	-0.13	+/- 0.20
Medium Ring (in)	3.87	3.75	-0.12	+/- 0.20
RING DIAMETER:				
Small Ring (in)	6.50	6.50	0.00	+/- 0.20
Medium Ring (in)	8.26	8.25	-0.01	+/- 0.20
Large Ring (in)	15.00	15.00	0.00	+/- 0.20

PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed
Ring-Measurement Check:	Passed

PASS/FAIL SUMMARY	
Calibration-Coefficients Range Check:	Passed

SPECTRAL DENSITY SHOP CALIBRATION

Tool Name: SDLT Pad - 10763919	Reference Calibration Date: 16-Jun-21 14:57:42
Engineer: MOHAMED ABUELGASIM	Calibration Date: 16-Jun-21 15:22:31
Software Version: WL INSITE R6.2.6 (Build 4)	Calibration Version: 1

Logging Source S/N: 5381GW		
Aluminum Block S/N: 10585329	Density: 2.595g/cc	Pe: 3.270
Magnesium Block S/N: 10585330	Density: 1.679g/cc	Pe: 2.580

DENSITY CALIBRATION SUMMARY			
Measurement	Previous Value	New Value	Control Limit
Near Bar Gain	1.0363	0.9987	0.90 - 1.10
Near Dens Gain	1.0101	0.9798	0.90 - 1.10
Near Peak Gain	1.0254	0.9827	0.90 - 1.10

Near Peak Gain	1.0294	0.9637	0.90 - 1.10
Near Lith Gain	0.9847	0.9619	0.90 - 1.10
Far Bar Gain	1.0118	1.0081	0.90 - 1.10
Far Dens Gain	0.9981	0.9926	0.90 - 1.10
Far Peak Gain	0.9905	0.9827	0.90 - 1.10
Far Lith Gain	0.9647	0.9590	0.90 - 1.10
<hr/>			
Near Bar Offset	-0.1475	0.1940	NONE
Near Dens Offset	0.1100	0.3749	NONE
Near Peak Offset	-0.0251	0.3206	NONE
Near Lith Offset	0.2633	0.4516	NONE
Far Bar Offset	0.0378	0.0667	NONE
Far Dens Offset	0.1553	0.2006	NONE
Far Peak Offset	0.2053	0.2689	NONE
Far Lith Offset	0.3592	0.4009	NONE
<hr/>			
Near Bar Background	932.63	932.31	700 - 1450
Near Dens Background	307.38	306.94	230 - 480
Near Peak Background	134.29	136.07	100 - 210
Near Lith Background	165.57	164.68	125 - 260
Far Bar Background	610.01	614.93	450 - 900
Far Dens Background	241.41	241.09	175 - 345
Far Peak Background	95.71	95.19	70 - 140
Far Lith Background	99.16	100.25	75 - 145

CALIBRATION BLOCK SUMMARY

Measurement	Current Reading (Previous Coef)	Calibrated (New Coef)	Change	Control Limit On Change
MAGNESIUM				
Density (g/cc)	1.680	1.678	-0.002	+/- 0.015
Pe	2.553	2.554	0.001	+/- 0.150
ALUMINUM				
Density (g/cc)	2.594	2.595	0.001	+/- 0.01500
Pe	3.229	3.230	0.001	+/- 0.150

TOOL SUMMARY

Measurement	Near Detector		Far Detector	
	Value	Control Limits	Value	Control Limits
QUALITY				
Background	-0.0007	+/- 0.0110	-0.0003	+/- 0.0140
Magnesium Block	-0.0008	+/- 0.0110	-0.0011	+/- 0.0140
Aluminum Block	-0.0008	+/- 0.0110	0.0002	+/- 0.0140
Resolution	8.30	6.00 - 11.50	8.80	6.00 - 11.50
Internal Verifier(B+D+P+L)	1540	1200 - 2700	1051	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

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name: ACRt Sonde - 10933411	Reference Calibration Date: 31-Mar-21 16:01:38
Engineer: MICHAEL GALLION	Calibration Date: 05-May-21 14:53:53
Software Version: WL INSITE R6.4.10 (Build 2)	Calibration Version: 1
Host Tool Name: ACRt Instrument - 10967817	

TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0321	1.05	0.95	1.0256	1.05	0.95	1.0178	1.05
A2 (50")	0.95	1.0301	1.05	0.95	1.0287	1.05	0.95	1.0224	1.05
A3 (29")	0.95	1.0042	1.05	0.95	1.0044	1.05	0.95	0.9988	1.05
A4 (17")	0.95	1.0032	1.05	0.95	1.0000	1.05	0.95	0.9977	1.05
A5 (10")	N/A	N/A	N/A	0.95	0.9850	1.05	0.95	0.9833	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9787	1.05	0.95	0.9772	1.05

SONDE OFFSET

Subarray	R12KHz			R36KHz			R72KHz		
	(mmho/m)			(mmho/m)			(mmho/m)		
A1 (80")	0.899			-3.664			-4.946		
A2 (50")	0.568			-3.165			-4.563		
A3 (29")	-9.517			-3.149			-2.886		
A4 (17")	-100.391			-32.141			-25.751		
A5 (10")	N/A			-88.113			-43.273		
A6 (6")	N/A			337.584			158.094		

TRANSMITTER CURRENT GAIN

Signal	Lower	R	Upper
12K	0.6	0.91	1.3
36K	1.0	1.84	2.0
72K	1.0	1.15	2.0

R-MUD VERIFICATION

Signal	Lower (ohm-m)	Measured (ohm-m)	Upper (ohm-m)
Mud Cell	0.95	1.00	1.05

PASS/FAIL SUMMARY

GAIN RANGE CHK	PASS
SONDE OFFSET CHK	PASS

TOOL OK TO LOG

QUALITY CHECK SHOP CALIBRATION

Tool Name: ACRt Sonde - 10933411	Reference Calibration Date: 05-May-21 14:55:50
Engineer: MICHAEL GALLION	Calibration Date: 05-May-21 14:57:14
Software Version: WL INSITE R6.4.10 (Build 2)	Calibration Version: 1
Host Tool Name: ACRt Instrument - 10967817	

STANDARD DEVIATIONS

	R12KHz			R36KHz			R72KHz		
	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail
A1 (80")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A2 (50")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A3 (29")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A4 (17")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass

A4 (17")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A5 (10")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass
A6 (6")	0.000	< 0.750	Pass	0.000	< 0.750	Pass	0.000	< 0.750	Pass

AVERAGES

	R12KHz			R36KHz			R72KHz		
	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail	Measured (mmho/m)	Expected (mmho/m)	Pass/Fail
A1 (80")	0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.006	> -0.500	Pass
A2 (50")	0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.005	> -0.500	Pass
A3 (29")	-0.000	< 0.500	Pass	-0.001	> -0.500	Pass	-0.003	> -0.500	Pass
A4 (17")	-0.003	> -0.500	Pass	-0.008	> -0.500	Pass	-0.028	> -0.500	Pass
A5 (10")	-0.013	> -0.500	Pass	-0.023	> -0.500	Pass	-0.047	> -0.500	Pass
A6 (6")	0.017	< 0.500	Pass	0.075	< 0.500	Pass	0.151	< 0.500	Pass

GAIN TOLERANCE

R12KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	-212347792.000	-212381888.000	34096.000	10619094.400	Pass
A2 (50")	-207685440.000	-207713600.000	28160.000	10385680.000	Pass
A3 (29")	-203894864.000	-203922224.000	27360.000	10196111.200	Pass
A4 (17")	-206249680.000	-206274544.000	24864.000	10313727.200	Pass
A5 (10")	-207765024.000	-207786688.000	21664.000	10389334.400	Pass
A6 (6")	-208613360.000	-208634944.000	21584.000	10431747.200	Pass

R36KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	49716060.000	49722292.000	6232.000	2486114.600	Pass
A2 (50")	44475400.000	44477392.000	1992.000	2223869.600	Pass
A3 (29")	33523702.000	33521830.000	1872.000	1676091.500	Pass
A4 (17")	30701620.000	30696916.000	4704.000	1534845.800	Pass
A5 (10")	38238820.000	38234920.000	3900.000	1911746.000	Pass
A6 (6")	35789196.000	35786552.000	2644.000	1789327.600	Pass

R72KHz

	Measured (mmho/m)	Last Month (mmho/m)	Difference (mmho/m)	Tolerance (mmho/m)	Pass/Fail
A1 (80")	-94398992.000	-94398272.000	720.000	4719913.600	Pass
A2 (50")	-90494664.000	-90494888.000	224.000	4524744.400	Pass
A3 (29")	-89826384.000	-89821704.000	4680.000	4491085.200	Pass
A4 (17")	-88845112.000	-88839928.000	5184.000	4441996.400	Pass
A5 (10")	-85718152.000	-85713088.000	5064.000	4285654.400	Pass
A6 (6")	-88815976.000	-88811104.000	4872.000	4440555.200	Pass

PASS/FAIL SUMMARY

Std Deviation Verification	Pass
Average Verification	Pass
Gain Tolerance Verification	Pass

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
		Ø 2.310 in →		← Fishing Neck @ 55.72 ft		56.60 ft
RWCH-12027542 135.00 lbs		Ø 3.625 in →		← Load Cell @ 52.92 ft ← BH Temperature @ 52.35 ft	6.25 ft	
	Weak Point 12000 lbs- 11111111 0.01 lbs	Ø 0.010 in* →		← Z-Accelerometer @ 49.90 ft		50.35 ft
GTET-11958947 165.00 lbs		Ø 3.625 in →		← GammaRay @ 44.29 ft	8.52 ft	
	DSN Decentralizer- 11020488 6.60 lbs	Ø 5.000 in* → Ø 3.625 in →		← DSN Far @ 34.90 ft ← DSN Near @ 34.15 ft		41.83 ft
DSNT-11020488 174.00 lbs					9.69 ft	
						32.15 ft
SDLT-11014296 360.00 lbs	SDLT Pad-10763919 65.00 lbs RAM-Cs137-11206141 1.00 lbs	Ø 4.500 in → Ø 4.500 in* → Ø 0.800 in* →		← SDL Caliper @ 24.15 ft ← SDL @ 24.14 ft	10.81 ft	
						21.33 ft
ACRt Instrument- 10967817 50.00 lbs		Ø 3.625 in →			5.03 ft	
	ALAT Standoff OD 6- 00000001 11.60 lbs	Ø 6.000 in* →	← Mud Resistivity @ 14.94 ft		16.30 ft	
			← ACRt @ 10.96 ft			
ACRt Sonde- 10933411 200.00 lbs		Ø 3.625 in →			14.22 ft	

SP Ring-10933411
0.00 lbs

Ø 3.625 in* →

← SP @ 3.36 ft

Ø 2.800 in
Ø 3.625 in →



2.08 ft
2.08 ft
0.00 ft

Hole Finder-
12128583
50.00 lbs

Mnemonic	Tool Name	Serial Number	Weight (lbs)	Length (ft)	Accumulated Length (ft)	Max. Log. Speed (fpm)
RWCH	Releasable Wireline Cable Head	12027542	135.00	6.25	50.35	300.00
WP12K	Weak Point 12000 lbs	11111111	0.01	0.01	* 51.15	300.00
GTET	Gamma Telemetry Tool	11958947	165.00	8.52	41.83	60.00
DSNT	Dual Spaced Neutron	11020488	174.00	9.69	32.15	60.00
DCNT	DSN Decentralizer	11020488	6.60	5.13	* 35.48	300.00
SDLT	Spectral Density Tool	11014296	360.00	10.81	21.33	60.00
SDLP	Density Insite Pad	10763919	65.00	2.55	* 23.54	60.00
Cs137	Logging Source, SDLT-I, 1.78 Ci - Cs137	11206141	1.00	0.80	* 23.77	300.00
ACRt	Array Compensated True Resistivity Instrument Section	10967817	50.00	5.03	16.30	120.00
ACRt	Array Compensated True Resistivity Sonde Section	10933411	200.00	14.22	2.08	120.00
SP	SP Ring	10933411	0.00	0.25	* 3.36	300.00
ALATS	Array Laterolog Tool OD 6 Standoff	00000001	11.60	1.00	* 15.38	60.00
HFND	Hole Finder	12128583	50.00	2.08	0.00	300.00
Total			1,218.21	56.60		

* Not included in Total Length and Length Accumulation.

Data: KEBO_DIAM_07_01\0001 TRIPLE-SILVER\IDLE Date: 01-Jul-21 10:39:37

COMPANY	KEBO OIL & GAS, INC		
WELL	DIAMONDBACK 1		
FIELD	WILDCAT		
COUNTY	BRAZORIA	STATE	TX
HALLIBURTON		(MEASURED DEPTH) ARRAY INDUCTION SPECTRAL DENSITY DUAL SPACED NEUTRON	