HALLIBURTON

ARRAY COMPENSATED TRUE RESISTIVITY LOG

COMPANY MERIT ENERGY COMPANY
WELL JACQUART 3
FIELD/BLOCK EUBANK
COUNTY HASKELL STATE KANSAS

API No. 15081221690000
Location (SHL) 1283' FSL & 1557' FEL
NE NE SW SE

Sect. 15 Twp. 28S Rge. 34W

Other Services:
DSNT/SDLT
MICROLOG
BSAT
ACRT

Permanent Datum	GL	Elev. 3021.5 ft	Elev.: K.B. 3034.5 ft
Log measured from	KB	13.0 ft above perm. Datum	D.F. 3034.5 ft
Drilling measured from	KB		G.L. 3021.5 ft

Date		15-Jan-18					
Run No.		ONE					
Depth - Driller		5675.0 ft					
Depth - Logger		5686.0 ft					
Bottom - Logged Interval		5677.00 ft					
Top - Logged Interval		1790.00 ft					
Casing - Driller		8.625 in	@ 1790.0 ft	@		@	
Casing - Logger		1790.0 ft					
Bit Size		7.875 in		@		@	
Type Fluid in Hole		Water Based Mud					
Density	Viscosity	9.2 ppg	70.00 s/qt				
PH	Fluid Loss	9.50 pH	6.4 cptm				
Source of Sample		MUD PIT					
Rm @ Meas. Temperature		1.50 ohmm	@ 75.00 degF	@		@	
Rmf @ Meas. Temperature		1.44 ohmm	@ 75.00 degF	@		@	
Rmc @ Meas. Temperature		1.68 ohmm	@ 75.00 degF	@		@	
Source Rmf	Rmc	MEAS	MEAS				
Rm @ BHT		0.83 ohmm	@ 141.0 degF	@		@	
Time Since Circulation		6.0 hr hr					
Time on Bottom		15-Jan-18 20:00					
Max. Rec. Temperature		141.00 degF	@ 5686.0 ft	@		@	
Equipment	Location	12147634	EL RENO				
Recorded By		JORGE ORLANDO PEREZ					
Witnessed By		DANIEL ZABALDANO					

Fold here

Service Ticket No.: 904568117 API No.: 15081221690000 PGM Version: WL INSITE R5.0.5 (Build 8)

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE

	Sample No.						
Date							
Depth-Driller							
Type Fluid in Hole							
Density	Viscosity						
Ph	Fluid Loss						
Source of Sample							
Rm @ Meas. Temp		@	@	@	@	@	@
Rmf @ Meas. Temp.		@	@	@	@	@	@
Rmc @ Meas. Temp.		@	@	@	@	@	@
Source Rmf	Rmc						
Rm @ BHT		@	@	@	@	@	@
Rmf @ BHT		@	@	@	@	@	@
Rmc @ BHT		@	@	@	@	@	@

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 S.O.	N/A
		I-11025962			
		S-11005909			
	@	@	@	@	@
	@	@	@	@	@
	@	@	@	@	@

EQUIPMENT DATA

GAMMA		ACOUSTIC			DENSITY			NEUTRON		
Run No.	ONE	Run No.	ONE		Run No.	ONE		Run No.	ONE	
Serial No.	11958947	Serial No.	10747683		Serial No.	10960494		Serial No.	11055304	
Model No.	GTET	Model No.	BSAT		Model No.	SDLT		Model No.	DSNT	
Diameter	3.625"	No. of Cent.	2		Diameter	5.5"		Diameter	3.625"	
Detector Model No.	T-102	Spacing	EVEN		Log Type	GAM-GAM		Log Type	NEU-NEU	
Type	SCINT				Source Type	CS137		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	15.0 Ci	

LOGGING DATA

GENERAL				GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	Depth From	Depth To	Speed ft/min	Scale L	Scale R	Scale L	Scale R	Matrix	Scale L	Scale R	Matrix
ONE	TD	CSG	REC	0	150	30	-10	47.6 uSec/ft	30	-10	2.71 gr/cc	30	-10	LIME

DIRECTIONAL INFORMATION

Maximum Deviation	@	KOP	@

Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING

CHLORIDES REPORTED AT 2000 ppm

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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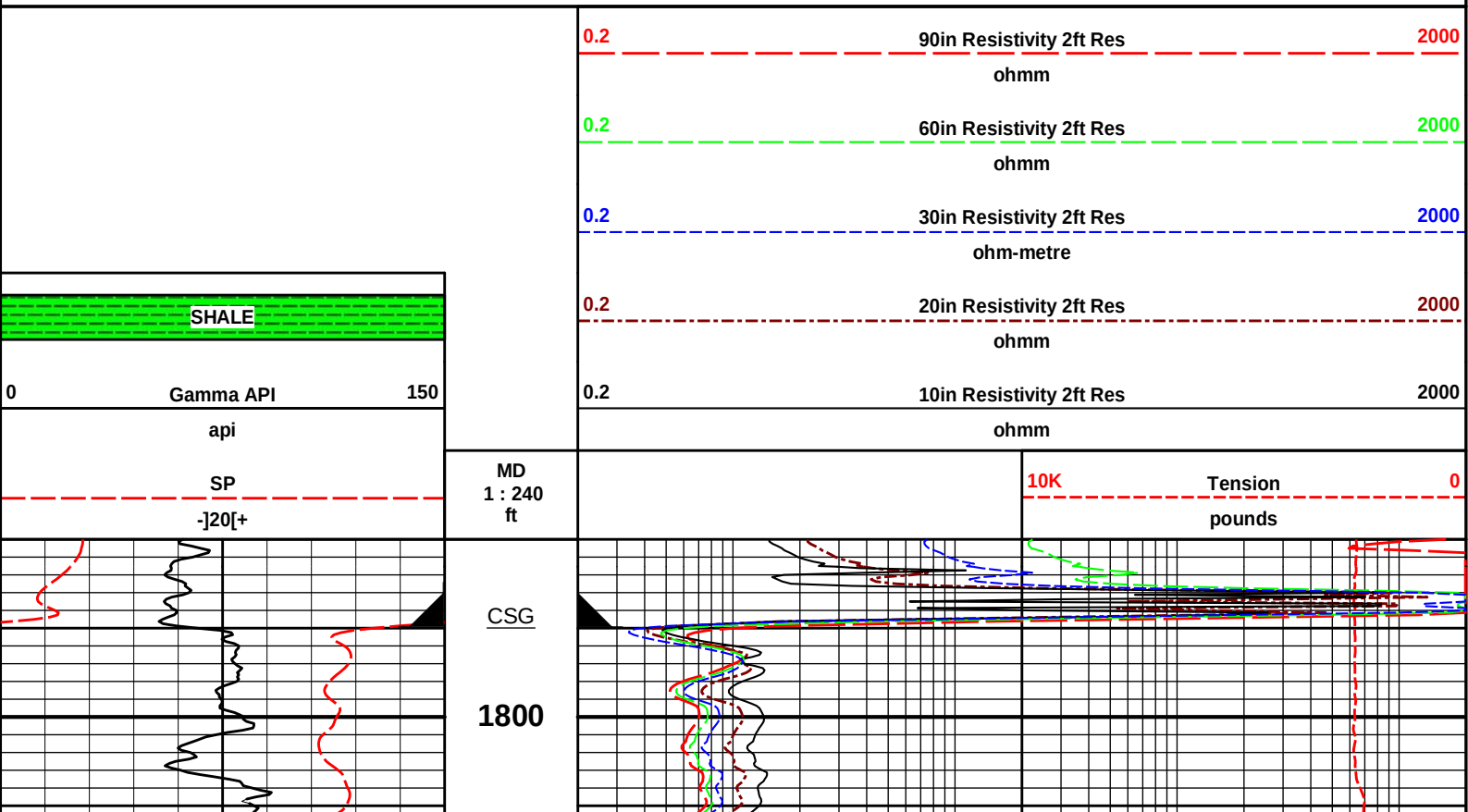
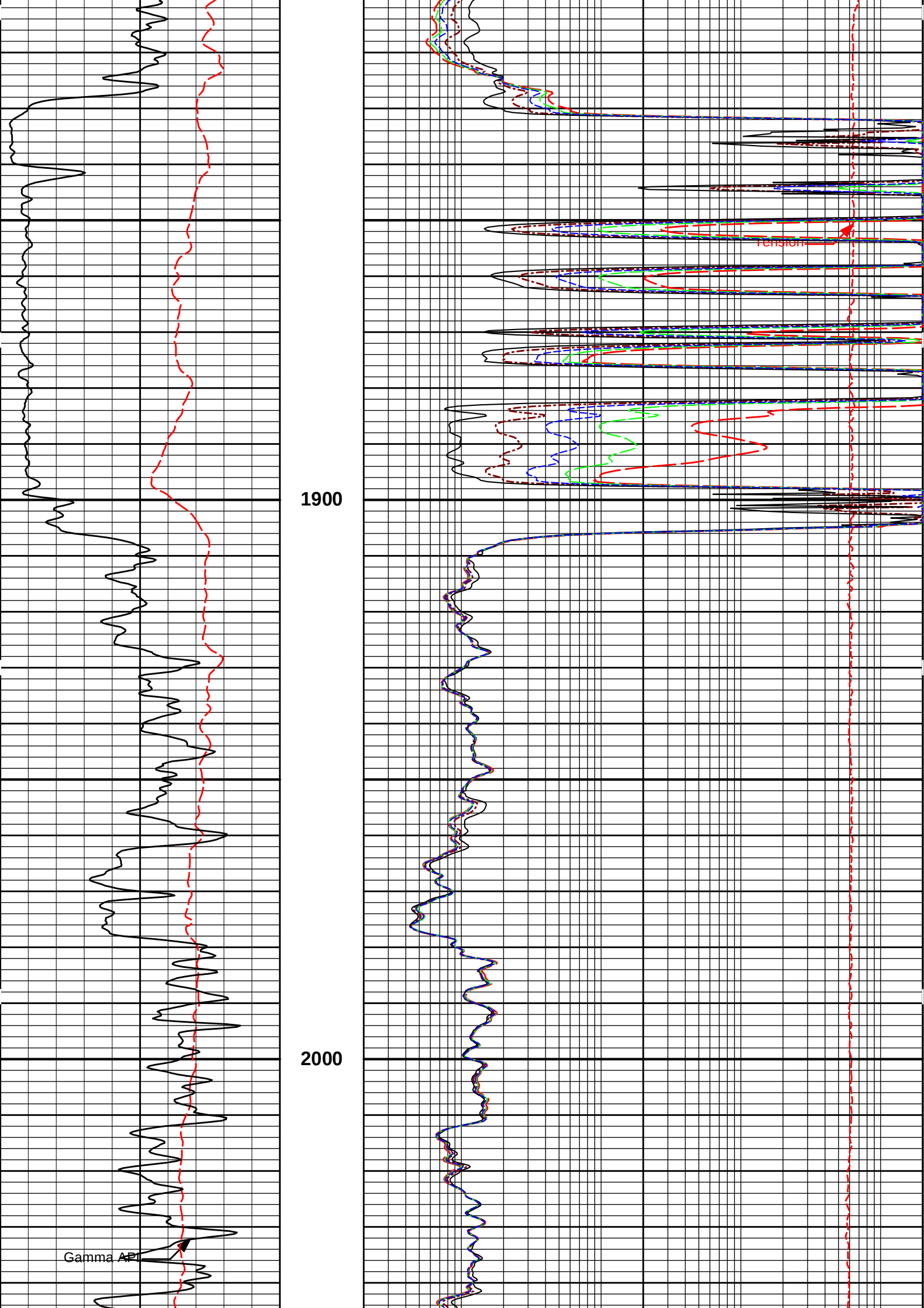
Plot Time: 15-Jan-18 22:25:20
Plot Range: 1780 ft to 5690.75 ft
Data: JACQUART_3\Well Based\MAIN
Plot File: \\-LOCAL-\JACQUART_3\Well Based\ACRT5\ACRT_5_main_lib

5 INCH MAIN LOG

MEASURED DEPTH
MAIN SECTION 5" PER 100'




Tension
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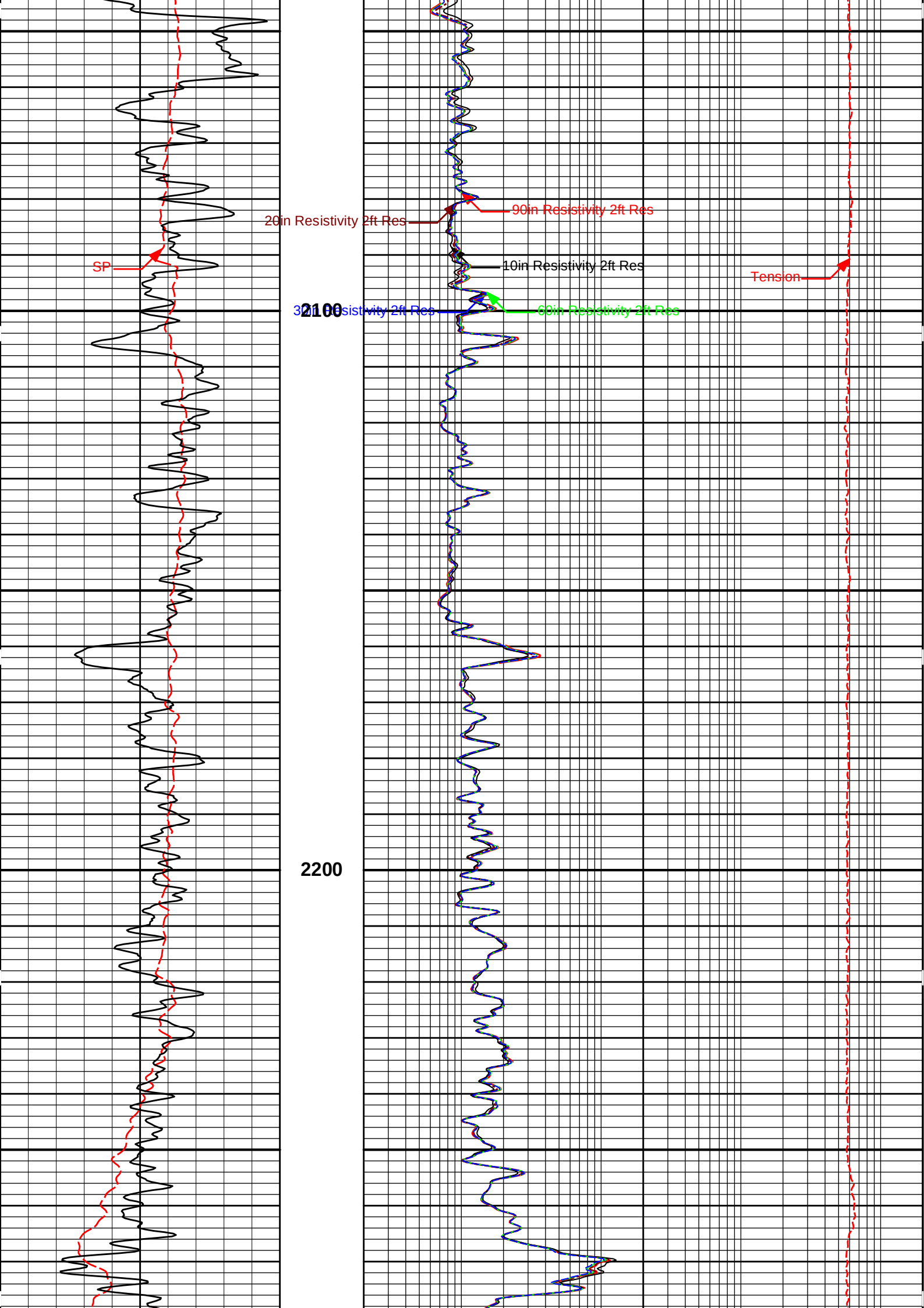
Gamma API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90in Resistivity 2ft Res
SP
10in Resistivity 2ft Res
Tension
30in Resistivity 2ft Res
60in Resistivity 2ft Res
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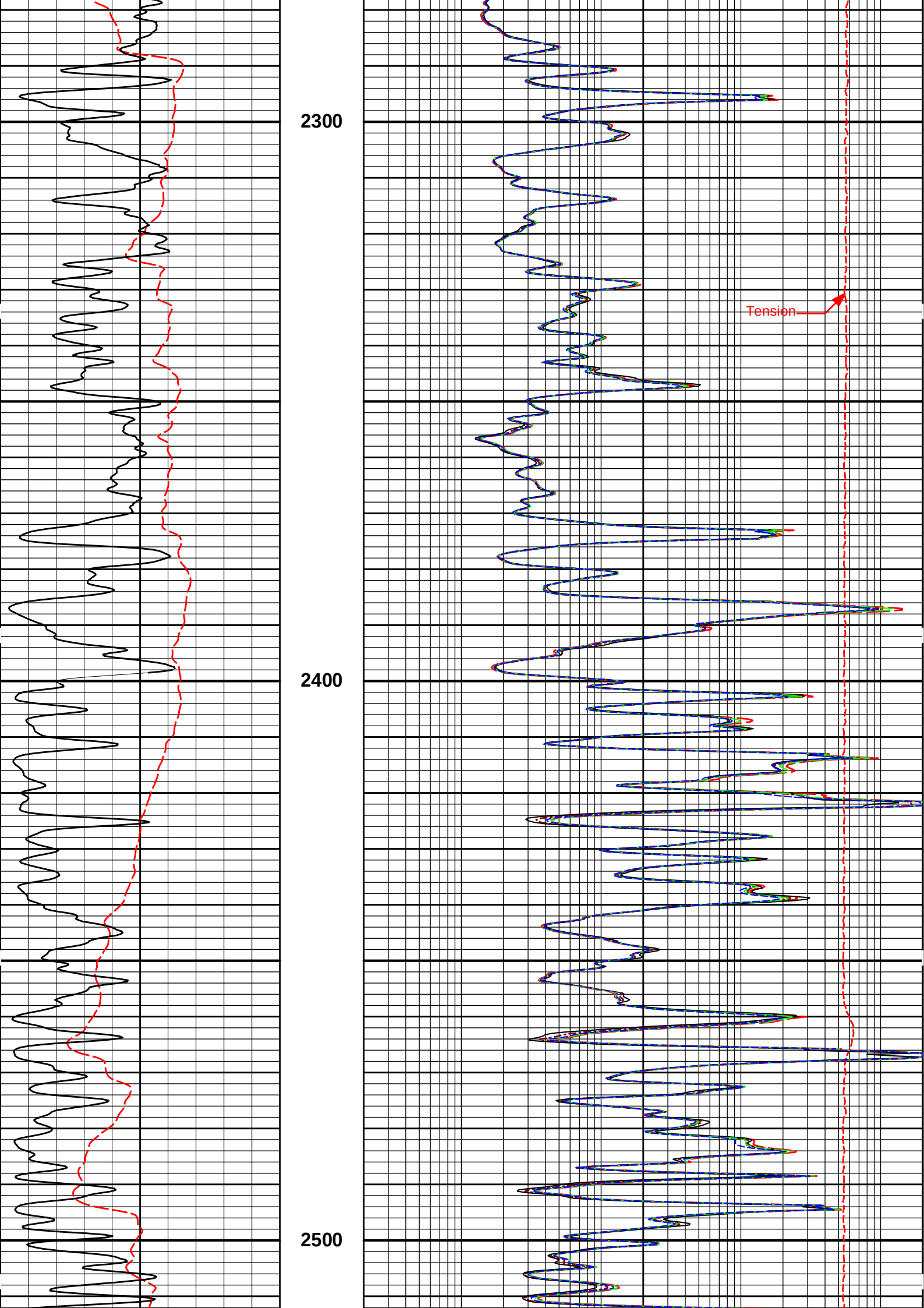
2200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2400
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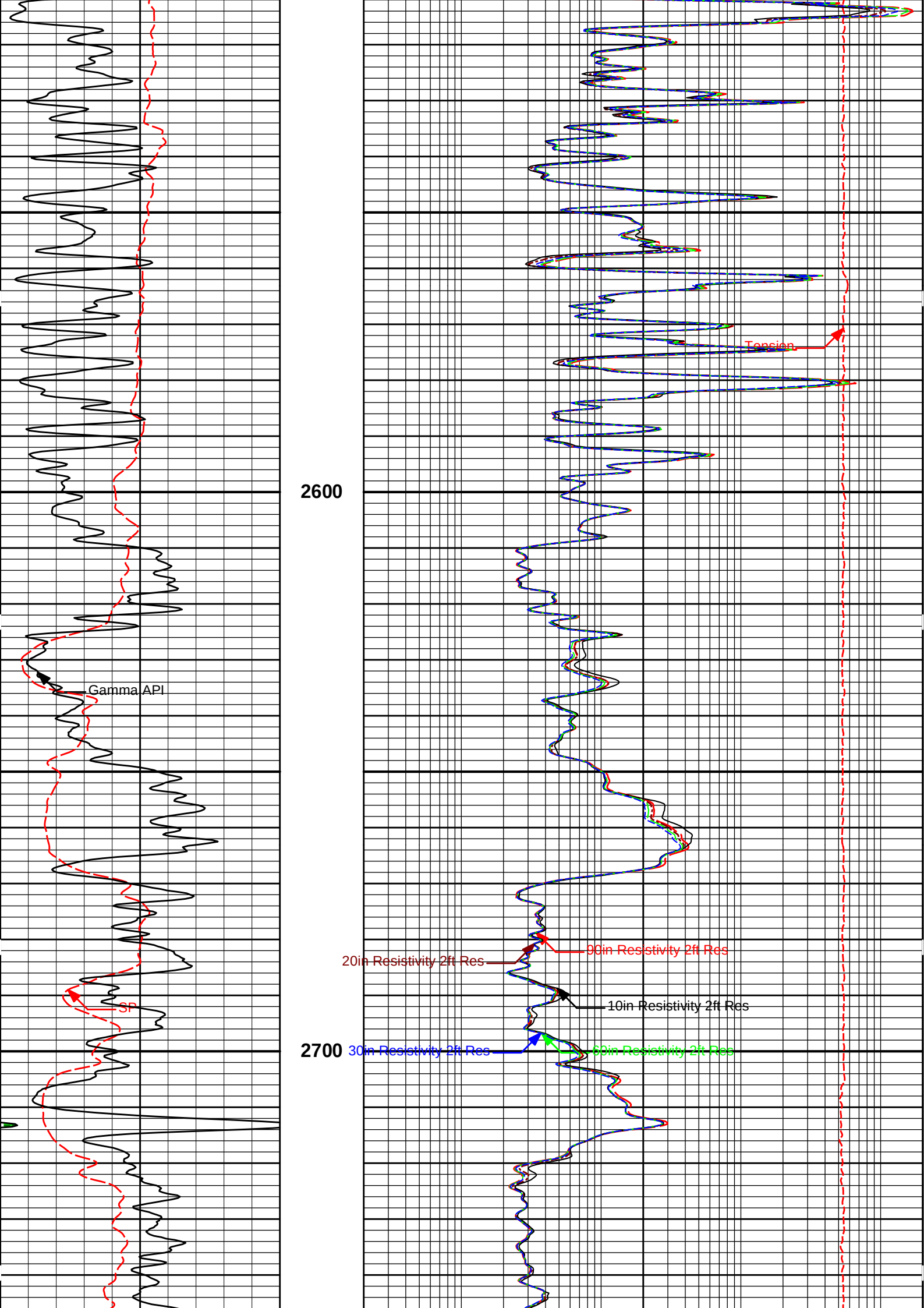
Tension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2600
Gamma API
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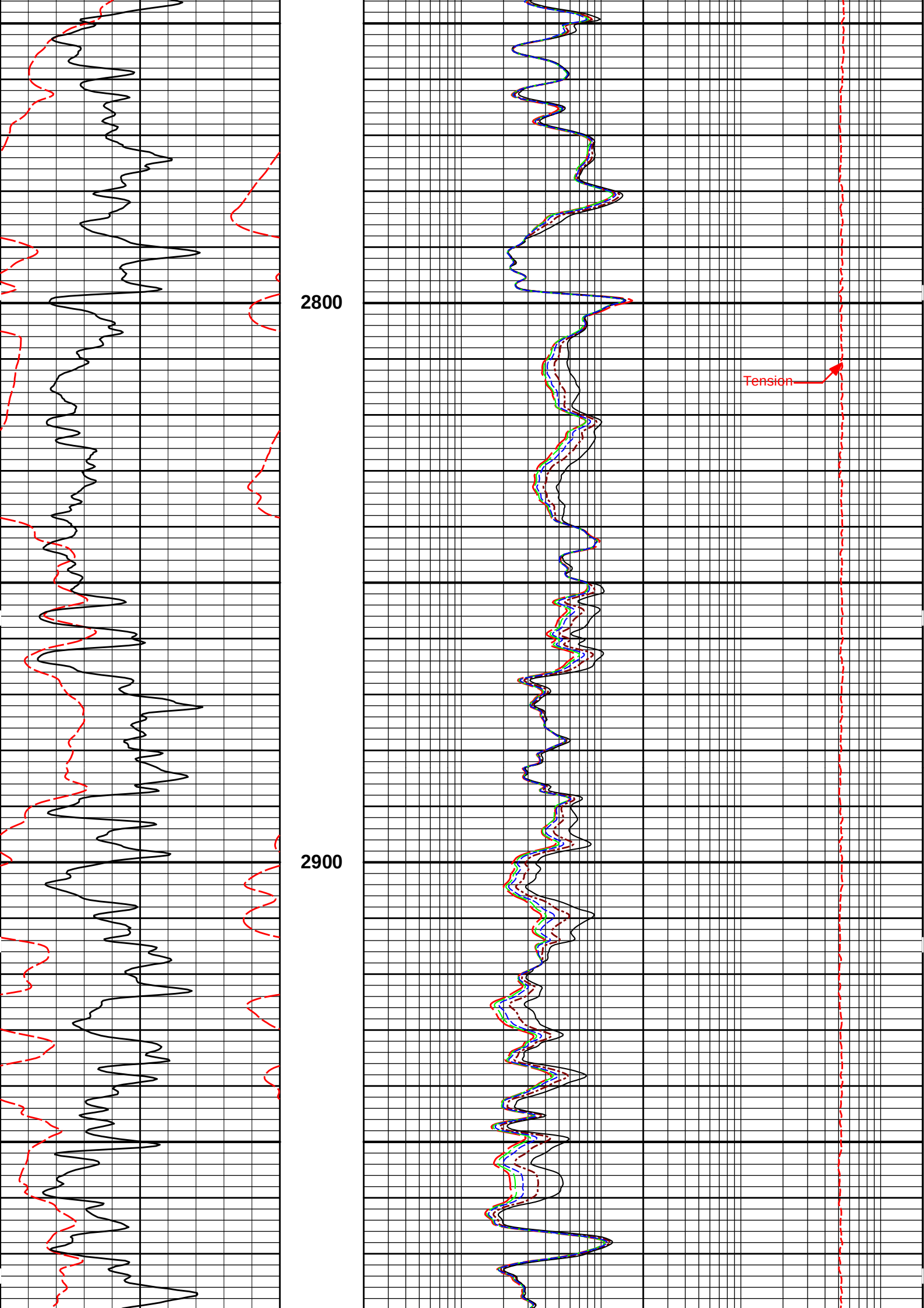
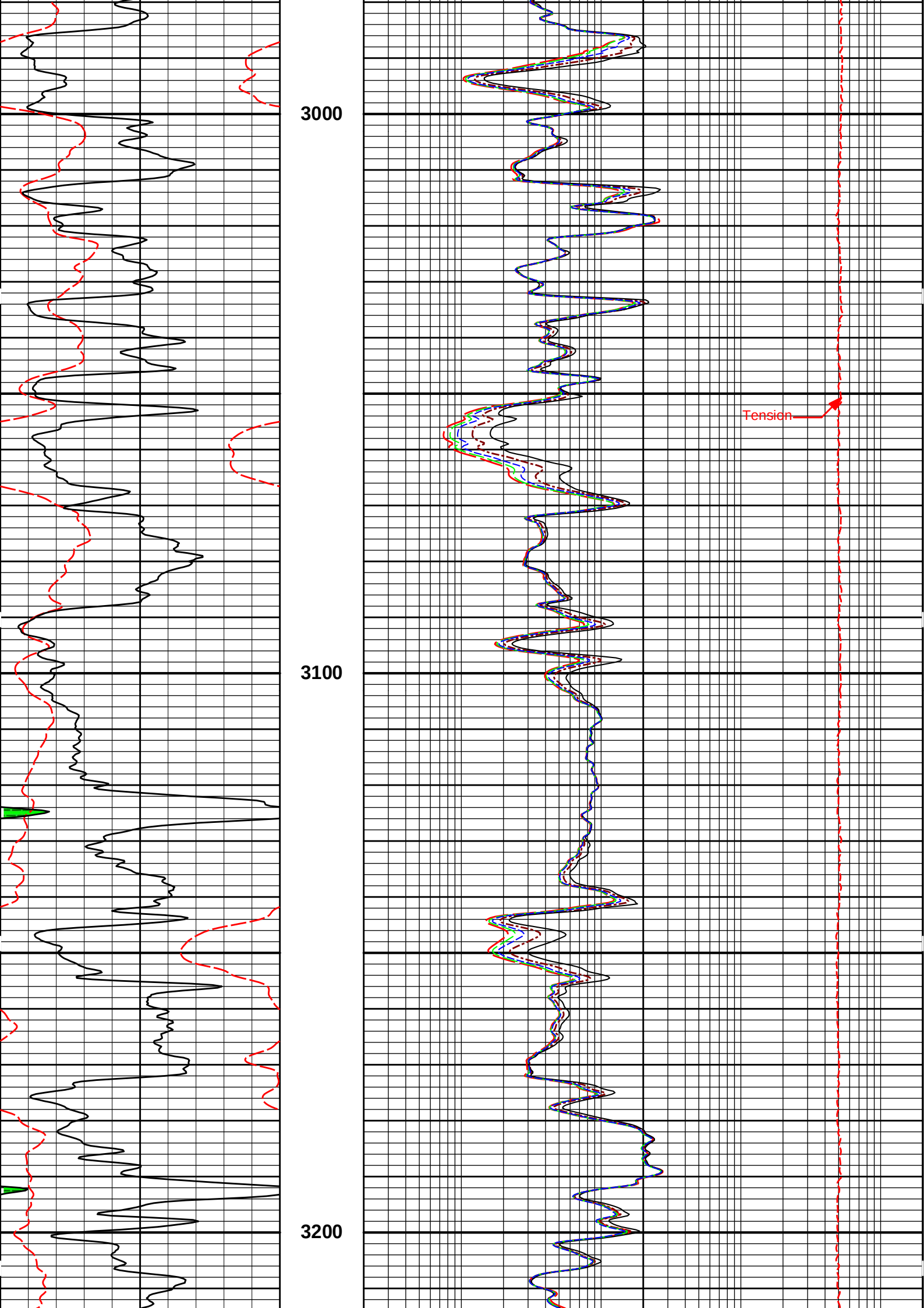
90in Resistivity 2ft Res
10in Resistivity 2ft Res
2700
30in Resistivity 2ft Res
60in Resistivity 2ft Res


2800
2900
Tension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3100
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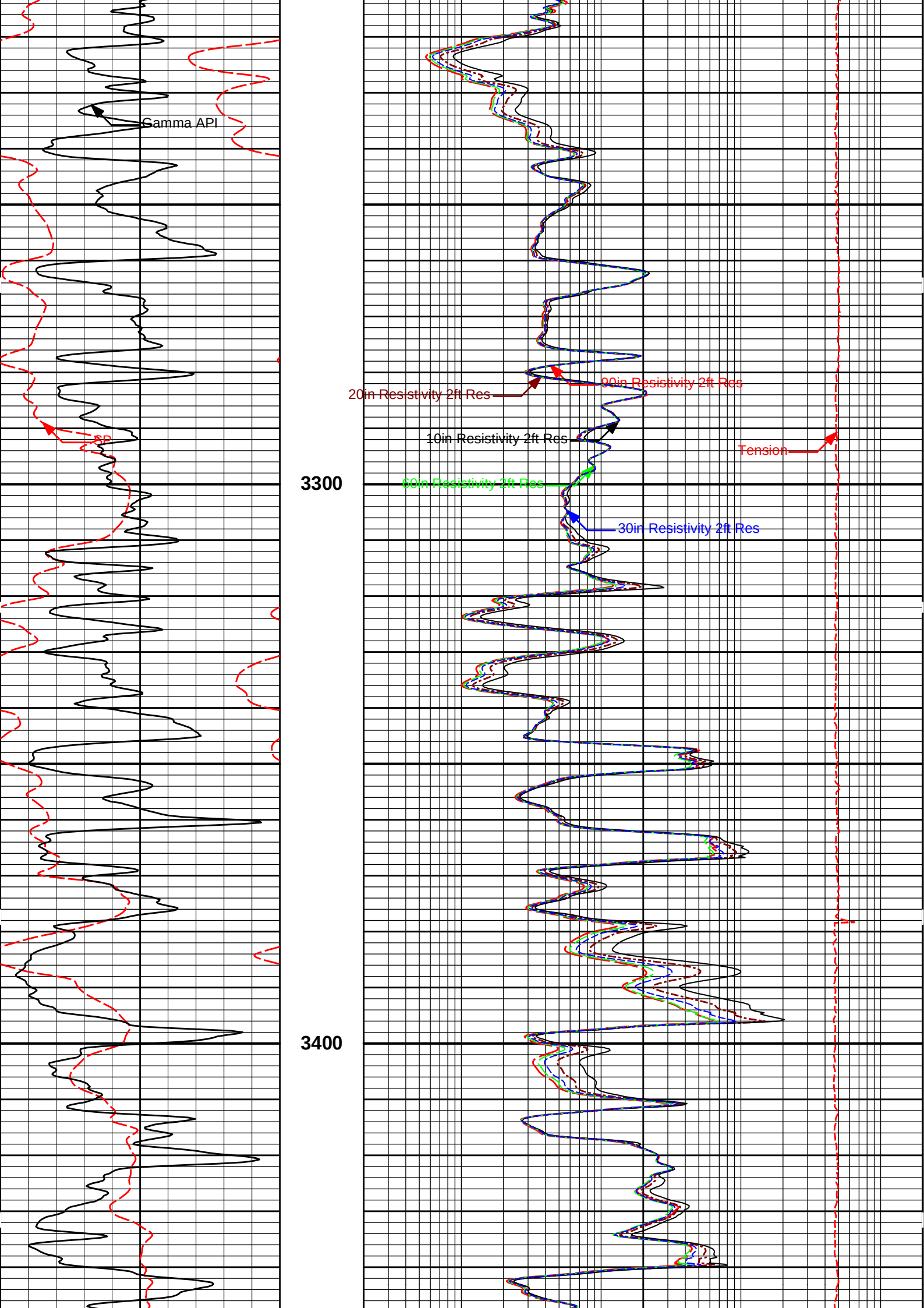
Tension


Gamma API
SP
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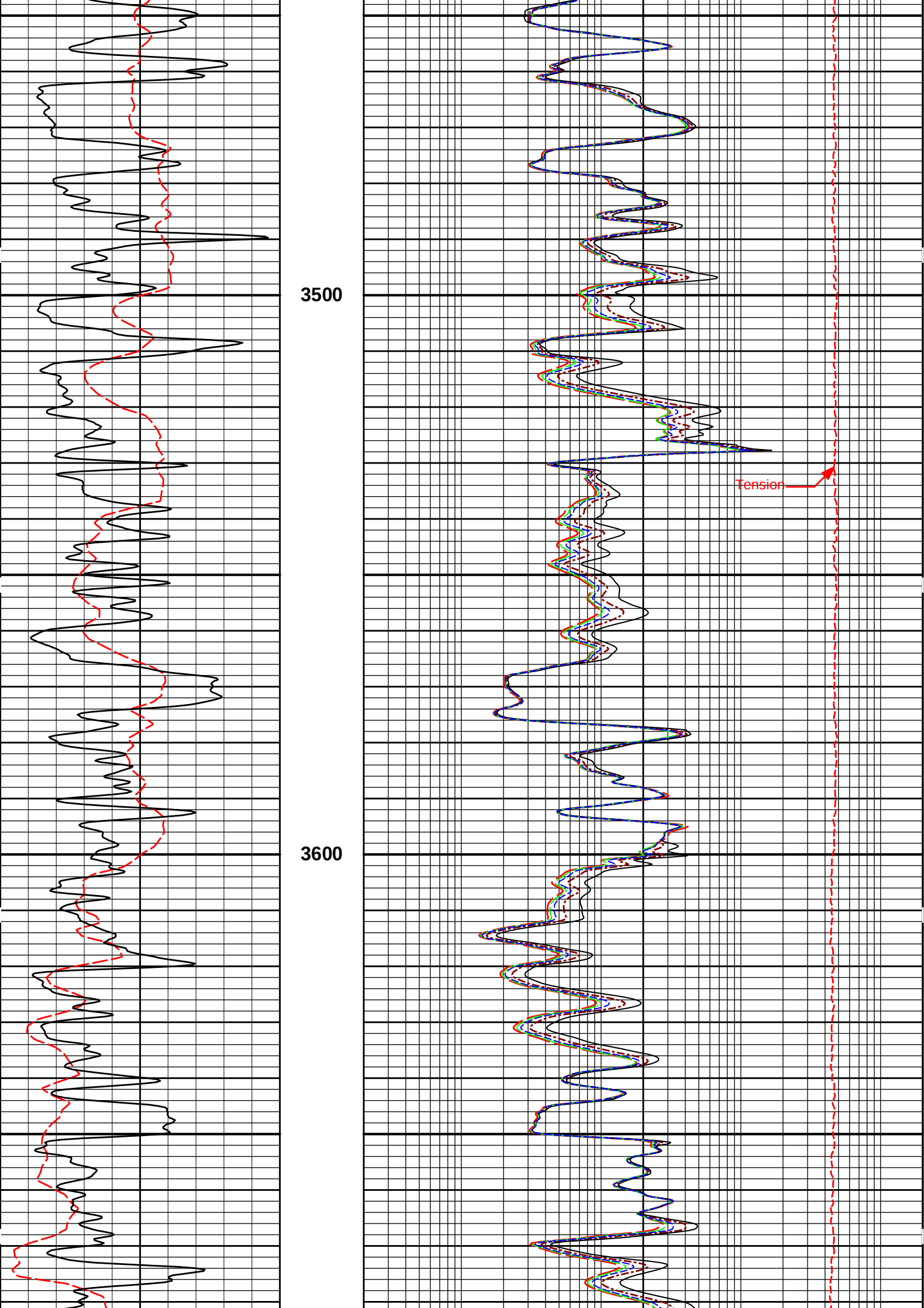
90in Resistivity 2ft Res
10in Resistivity 2ft Res
Tension
60in Resistivity 2ft Res
30in Resistivity 2ft Res
3300
3400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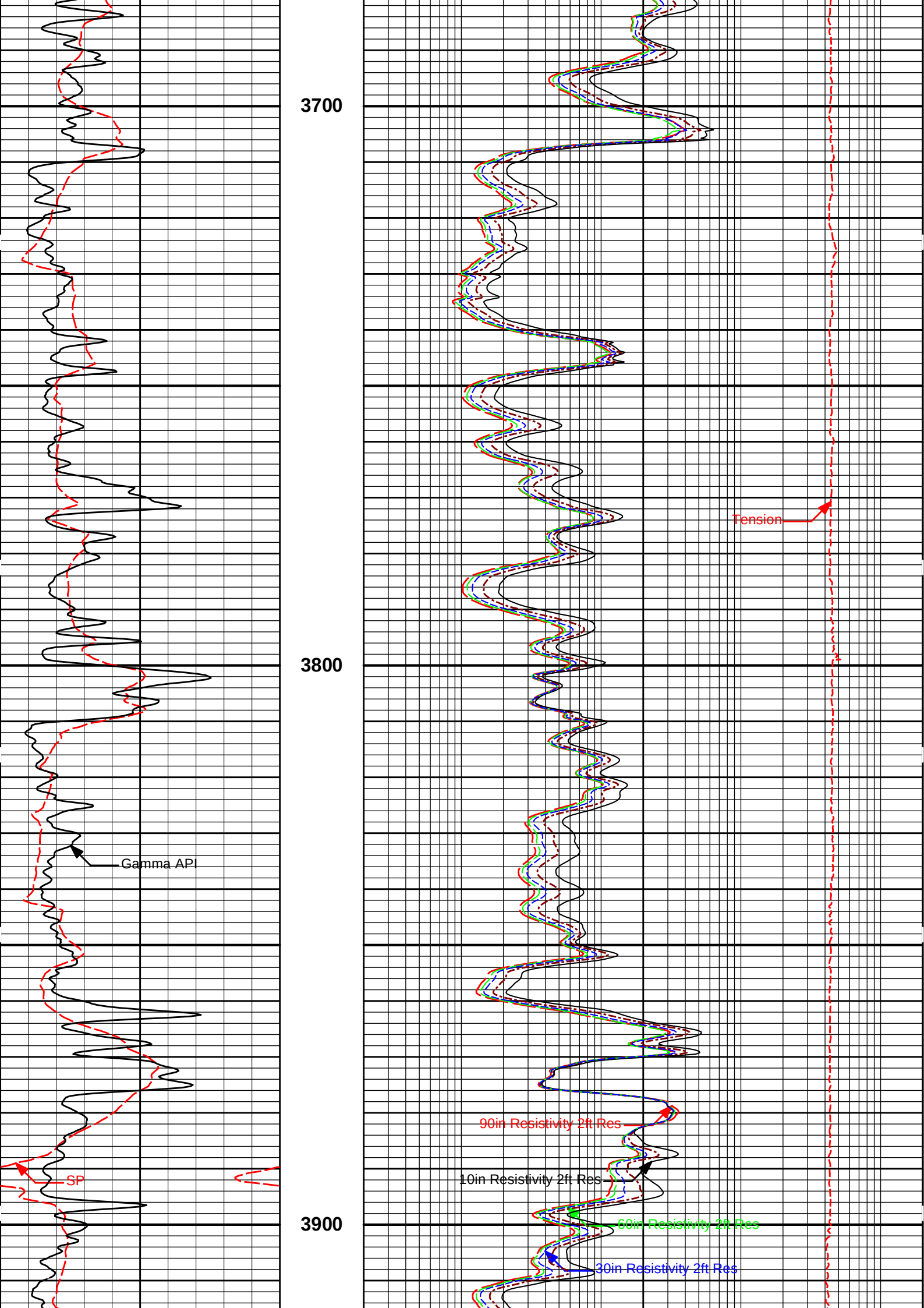
3700
3800
3900
Tension
Gamma API
SP
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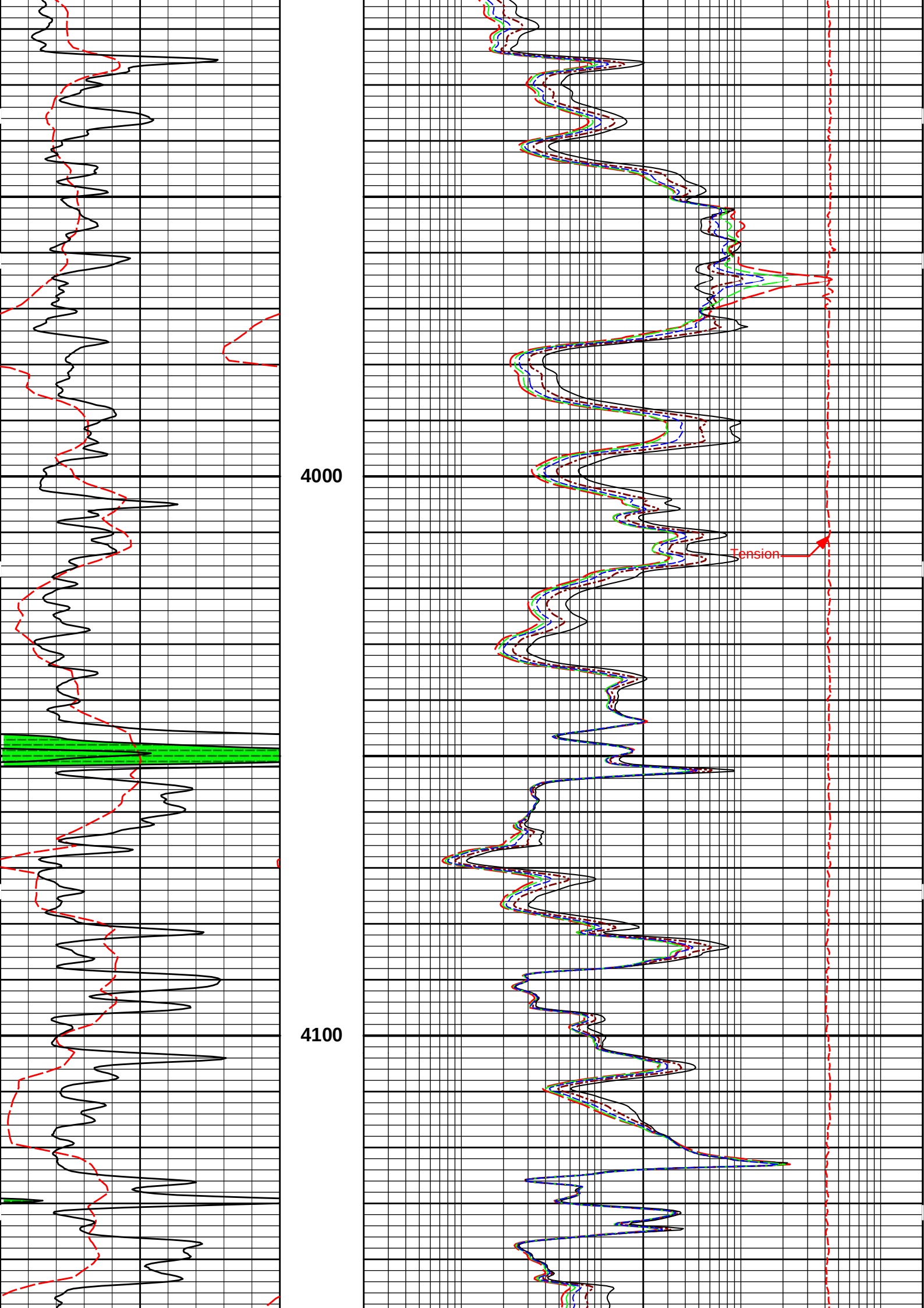
10in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res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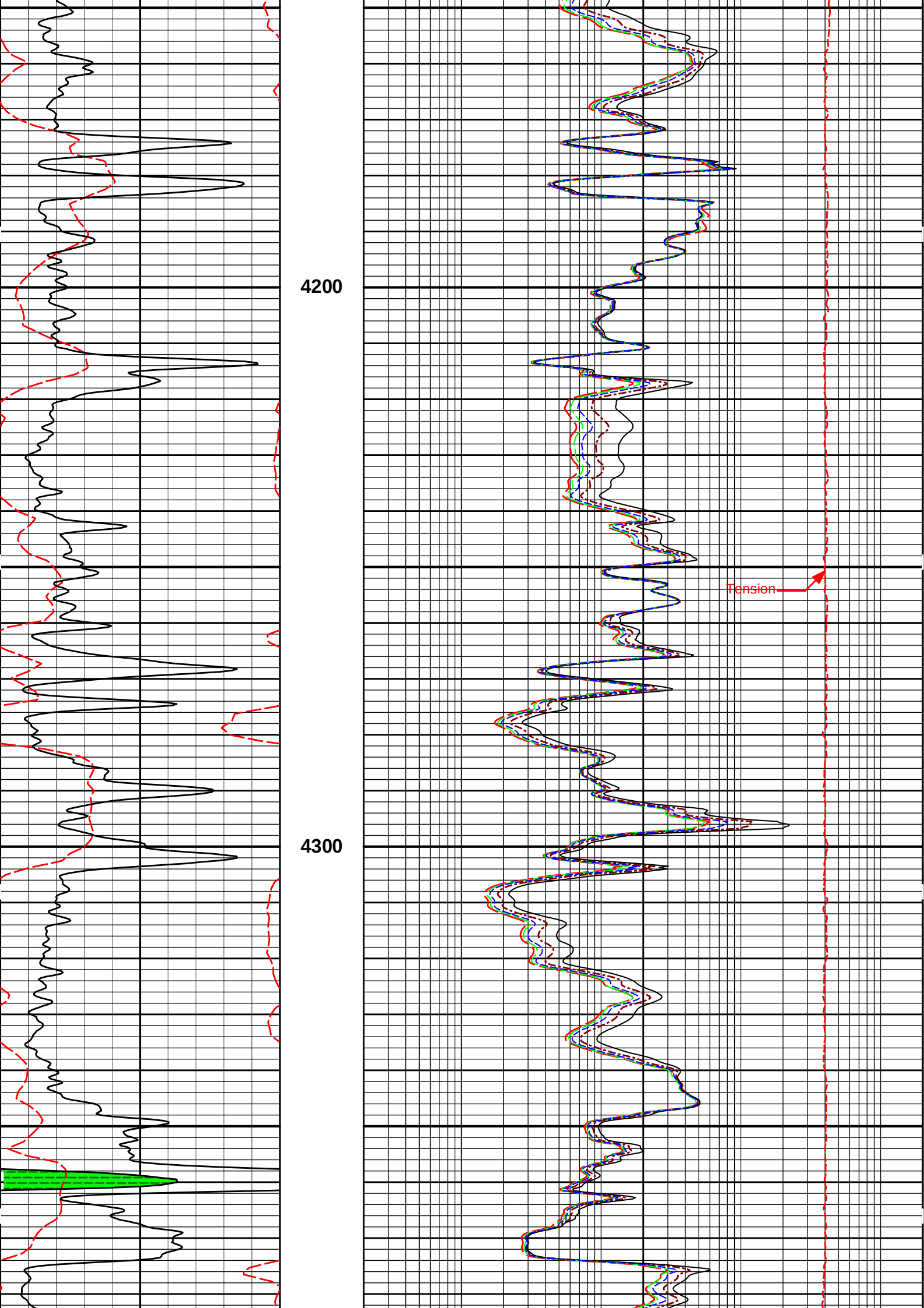
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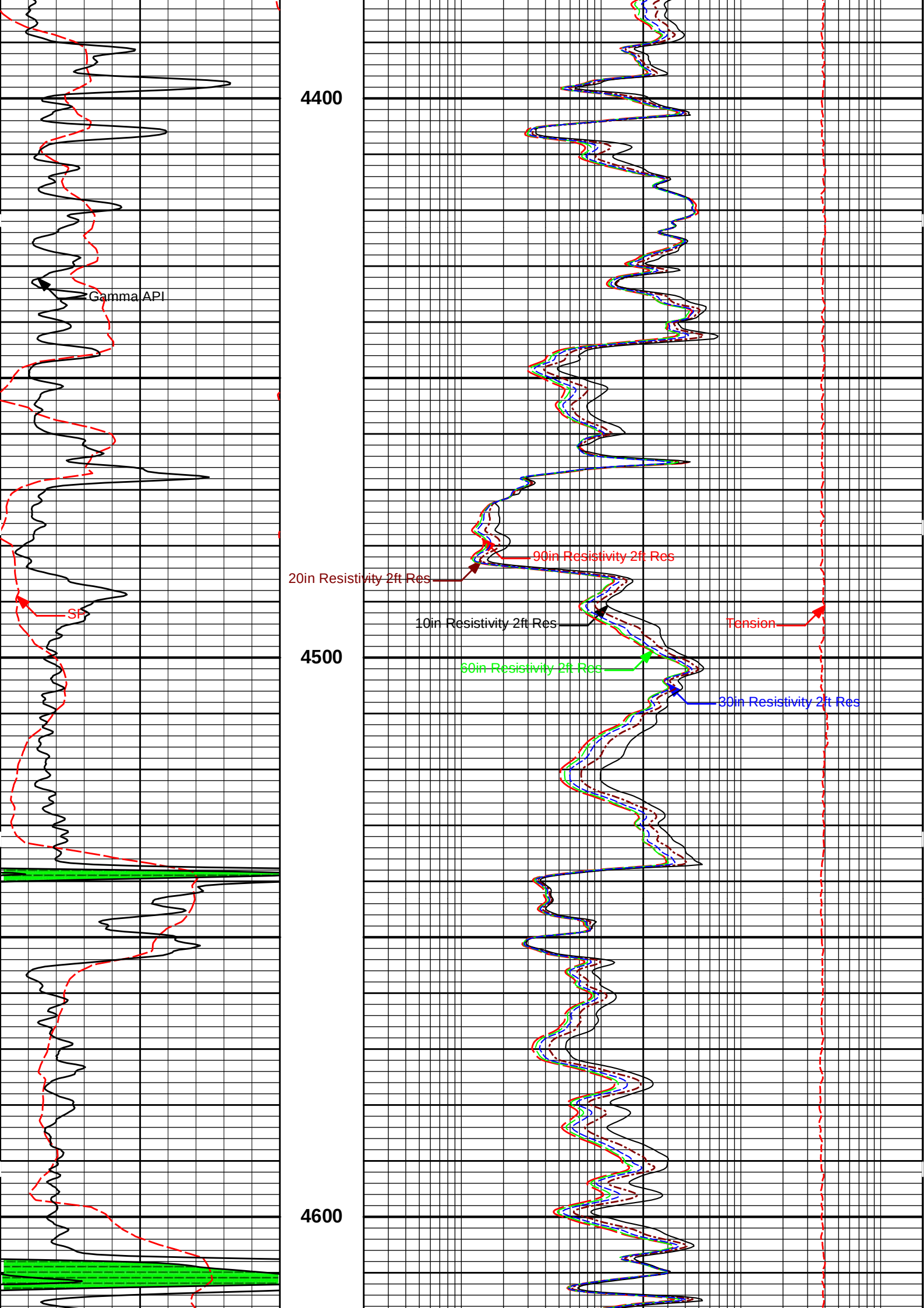
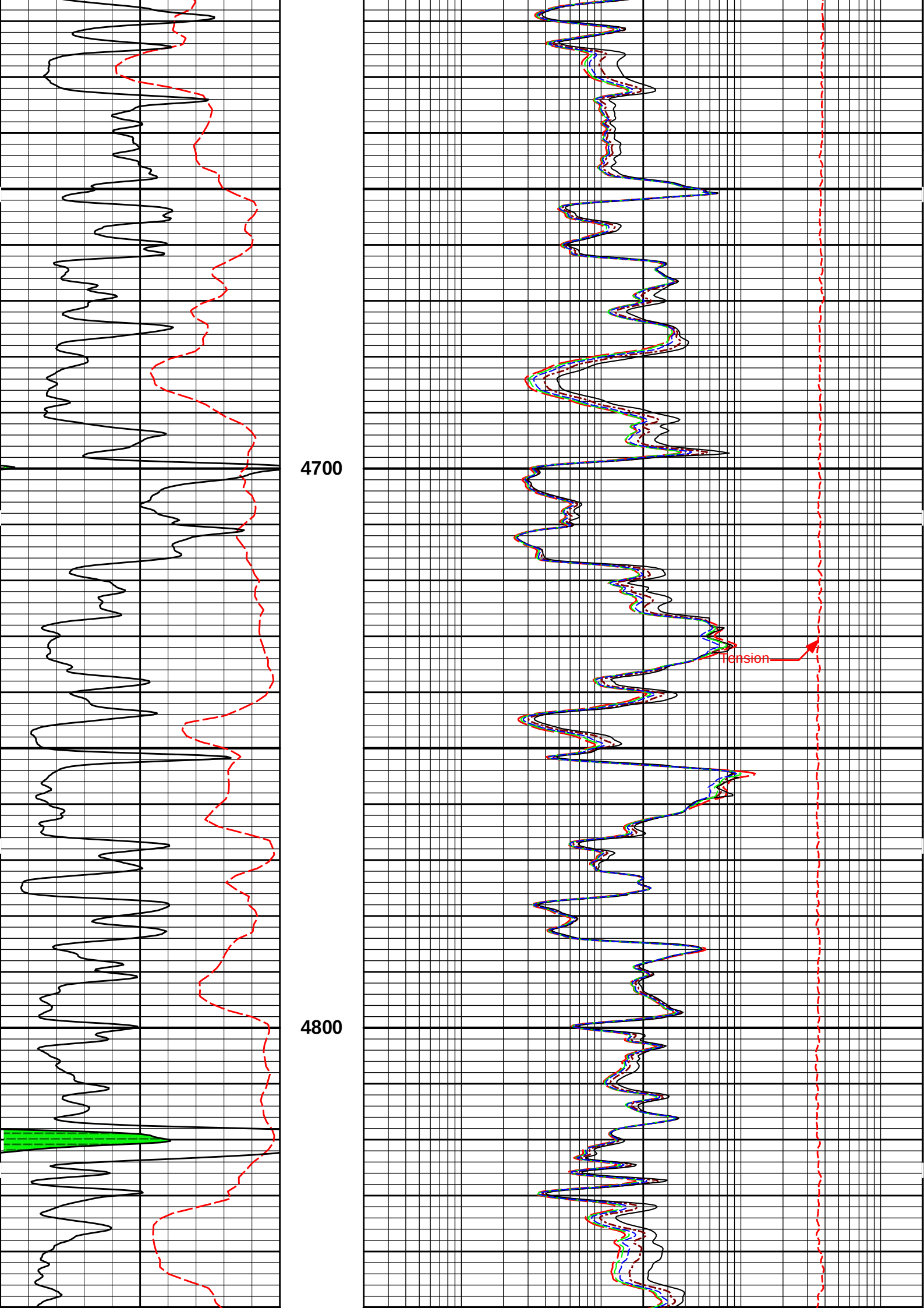

4400
4500
4600
Gamma API
SP
20in Resistivity 2ft Res
90in Resistivity 2ft Res
10in Resistivity 2ft Res
Tension
60in Resistivity 2ft Res
30in Resistivity 2ft Res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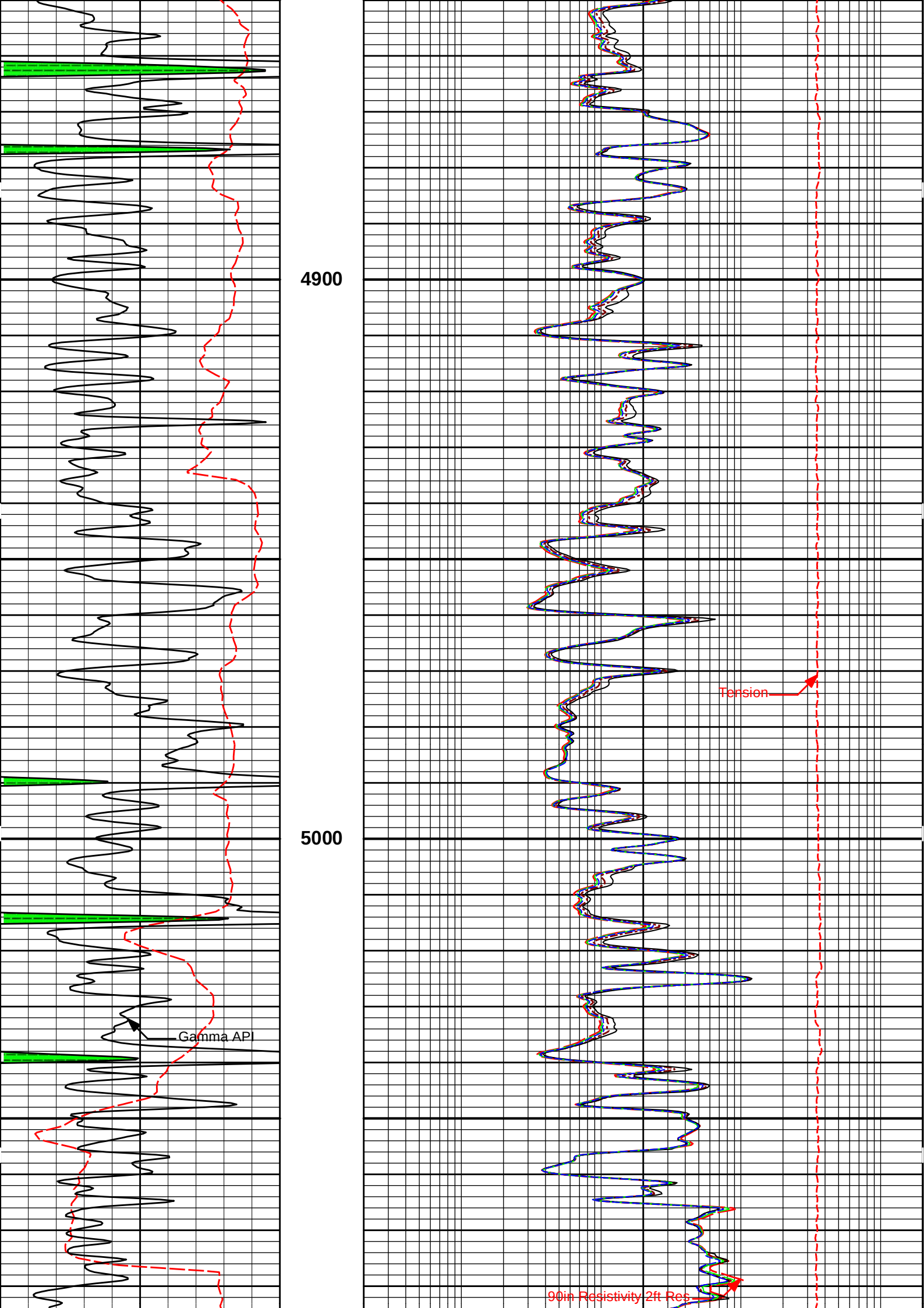
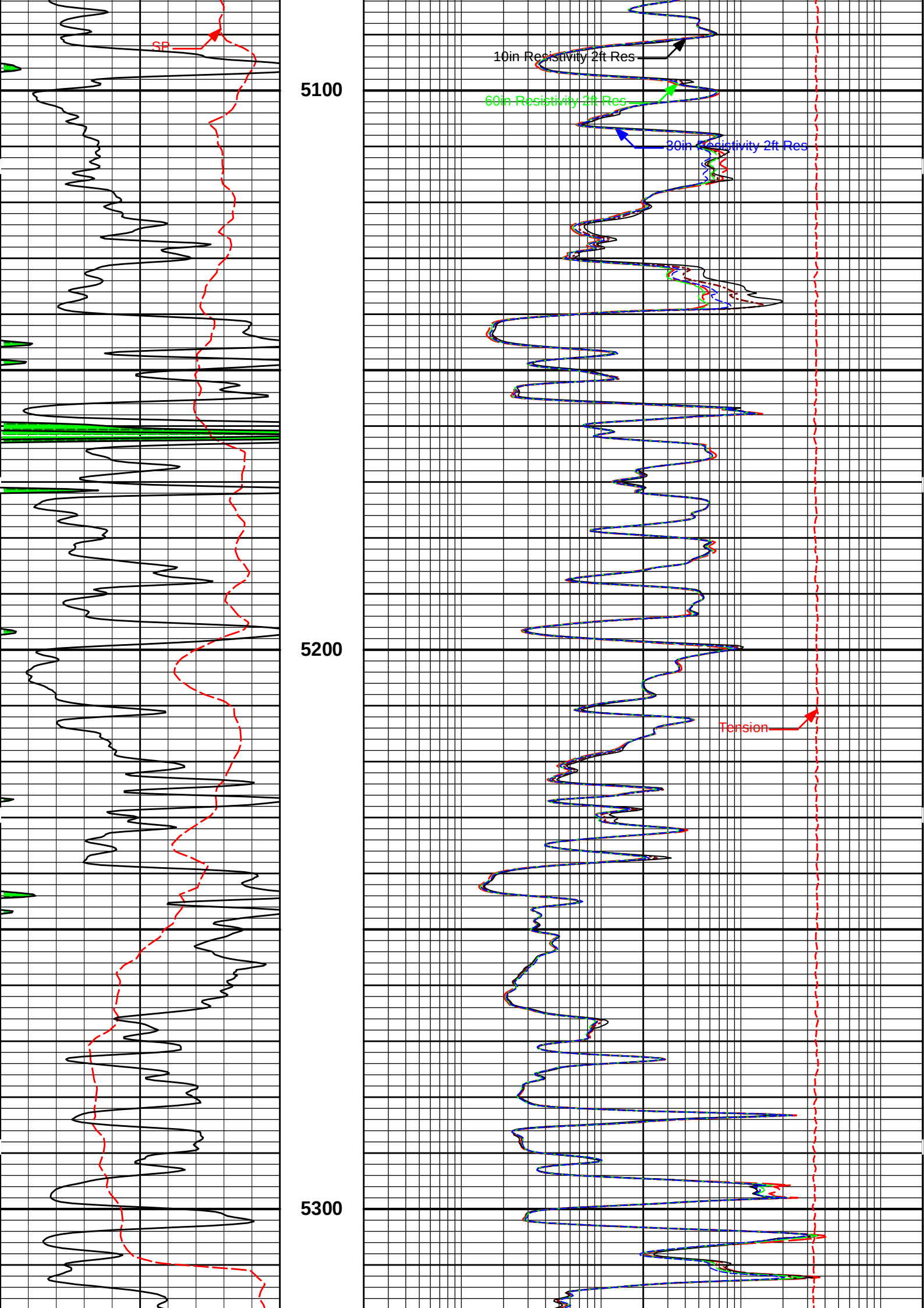
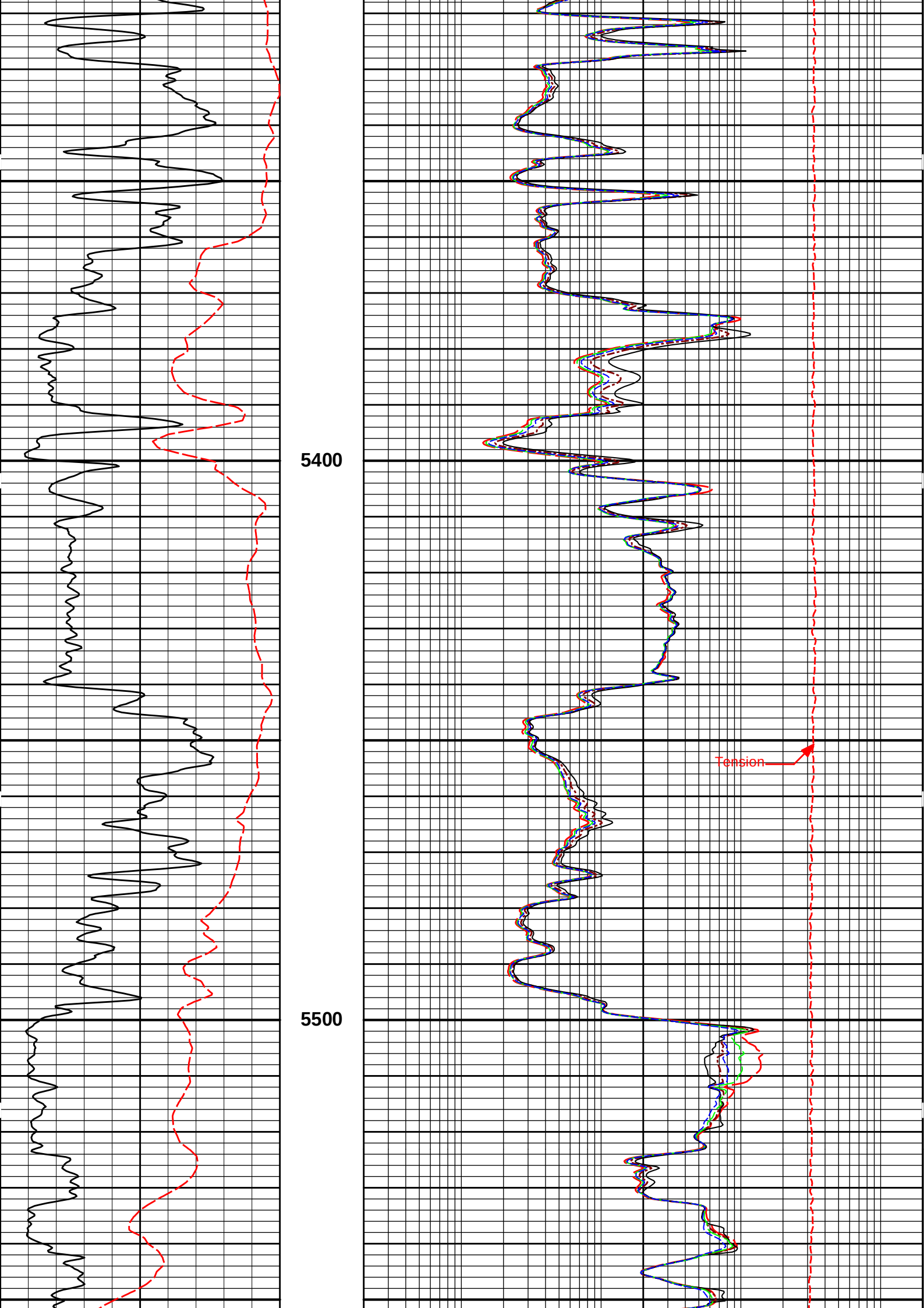
4800
Tension


4900
5000
Tension
Gamma API
90in Resistivity 2ft Res


SP
10in Resistivity 2ft Res
60in Resistivity 2ft Res
30in Resistivity 2ft Res
Tension
5100
5200
5300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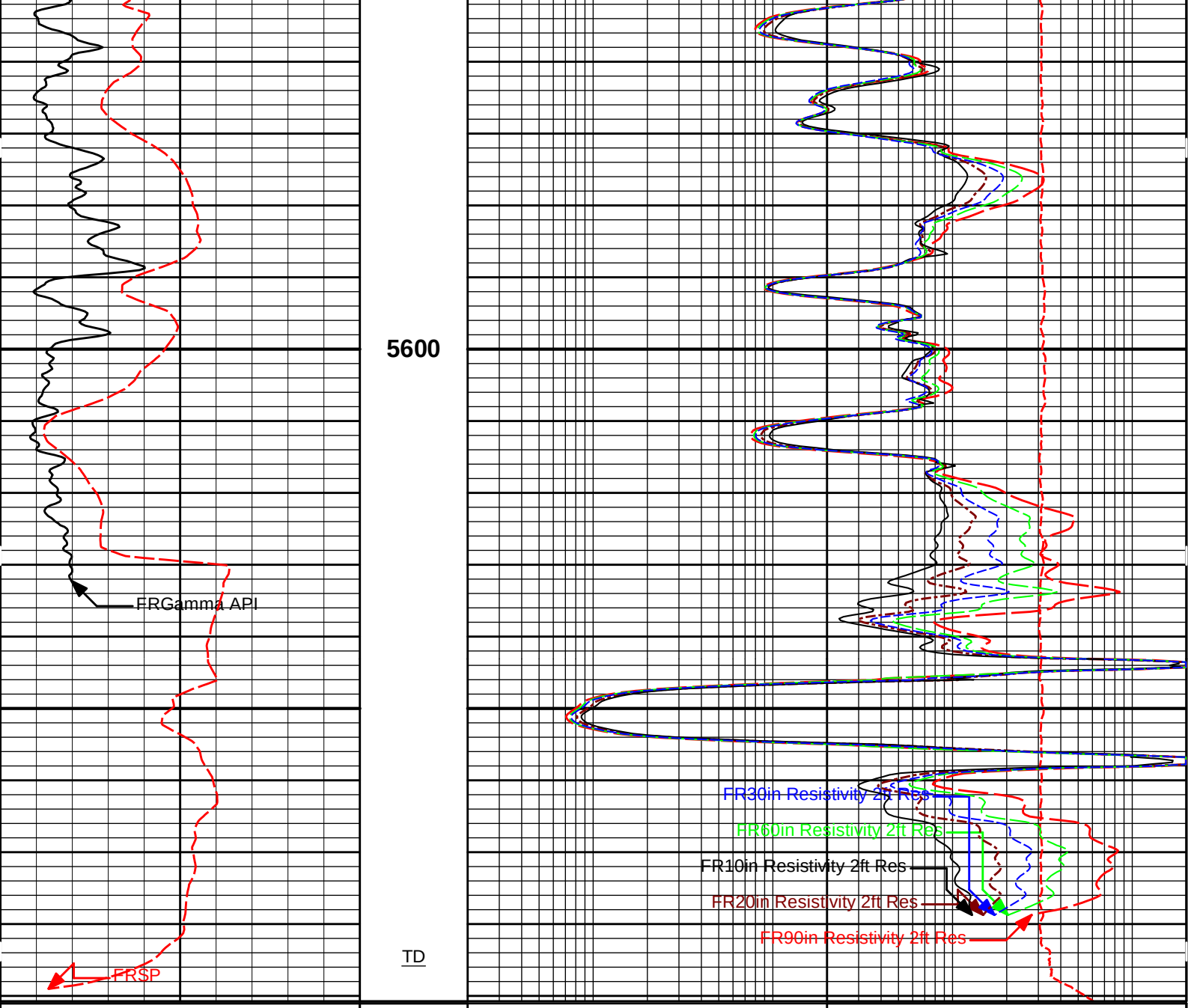


SP
-]20[+
0 Gamma API 150
api
SHALE

MD
1 : 240
ft

10K Tension 0
pounds

0.2 10in Resistivity 2ft Res 2000
ohmm

0.2 20in Resistivity 2ft Res 2000
ohmm

0.2 30in Resistivity 2ft Res 2000
ohm-metre

0.2 60in Resistivity 2ft Res 2000
ohmm

0.2 90in Resistivity 2ft Res 2000
ohmm

HALLIBURTON

Plot Time: 15-Jan-18 22:25:33
Plot Range: 1780 ft to 5690.75 ft
Data: JACQUART_3\Well Based\MAIN\
Plot File: \\-LOCAL-\JACQUART_3\Well Based\ACRT5\ACRT_5_main_lib

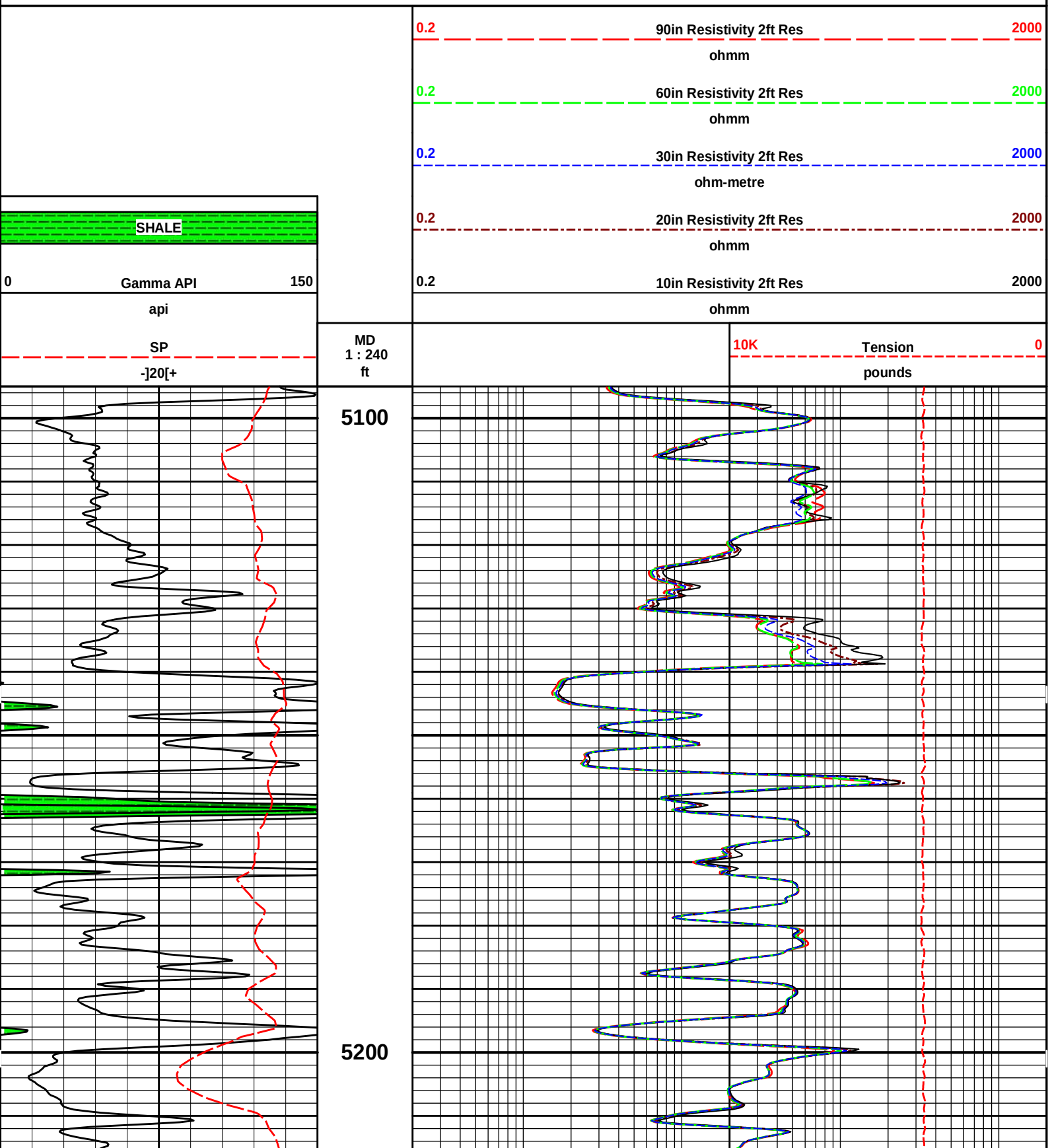
5 INCH MAIN LOG

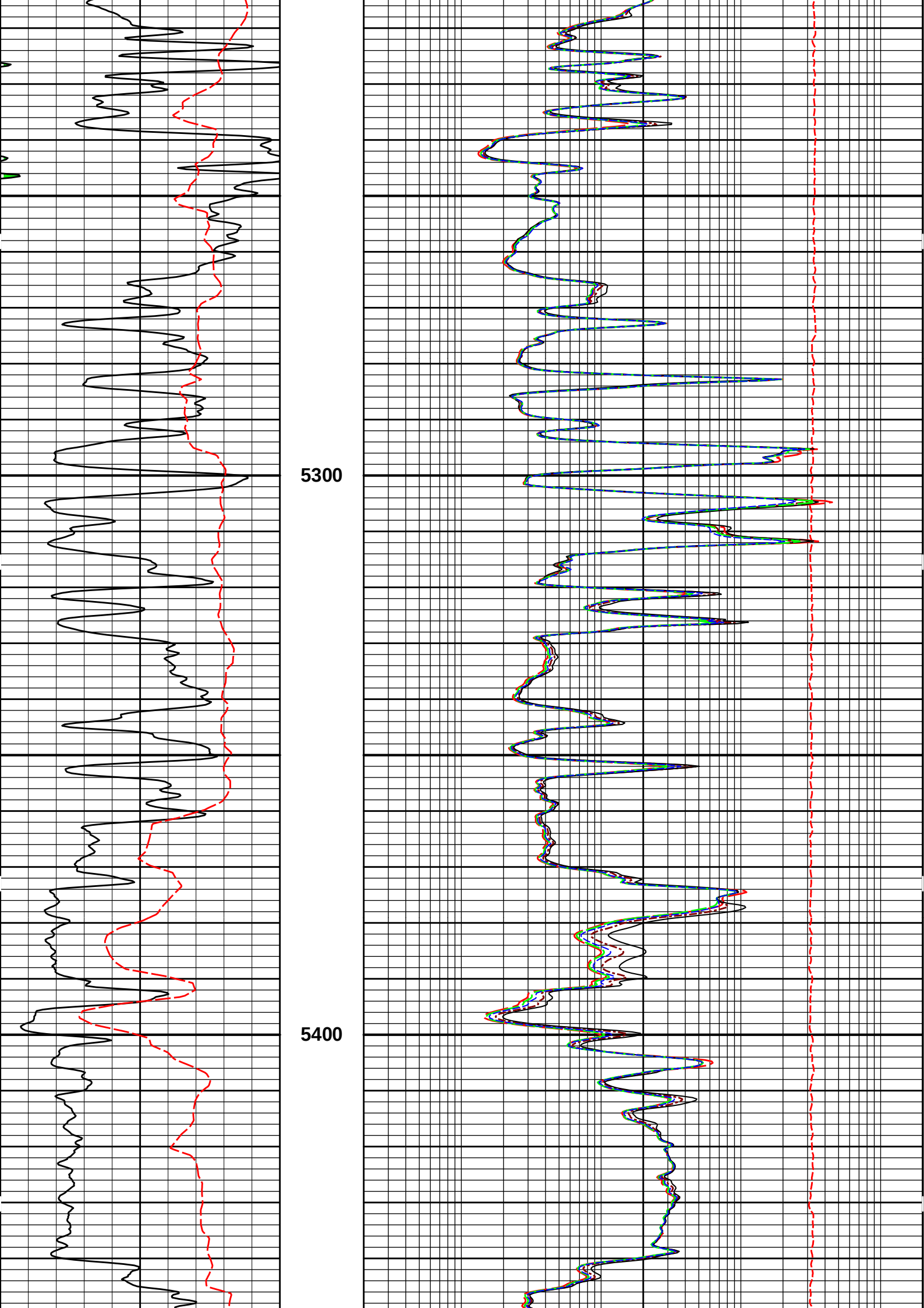
MEASURED DEPTH
MAIN SECTION 5" PER 100'

HALLIBURTON

Plot Time: 15-Jan-18 22:25:33
Plot Range: 5095 ft to 5691.5 ft
Data: JACQUART_3\Well Based\REPEAT\
Plot File: \\-LOCAL-\JACQUART_3\Well Based\ACRT5\ACRT_5_repeat_lib

REPEAT SECTION

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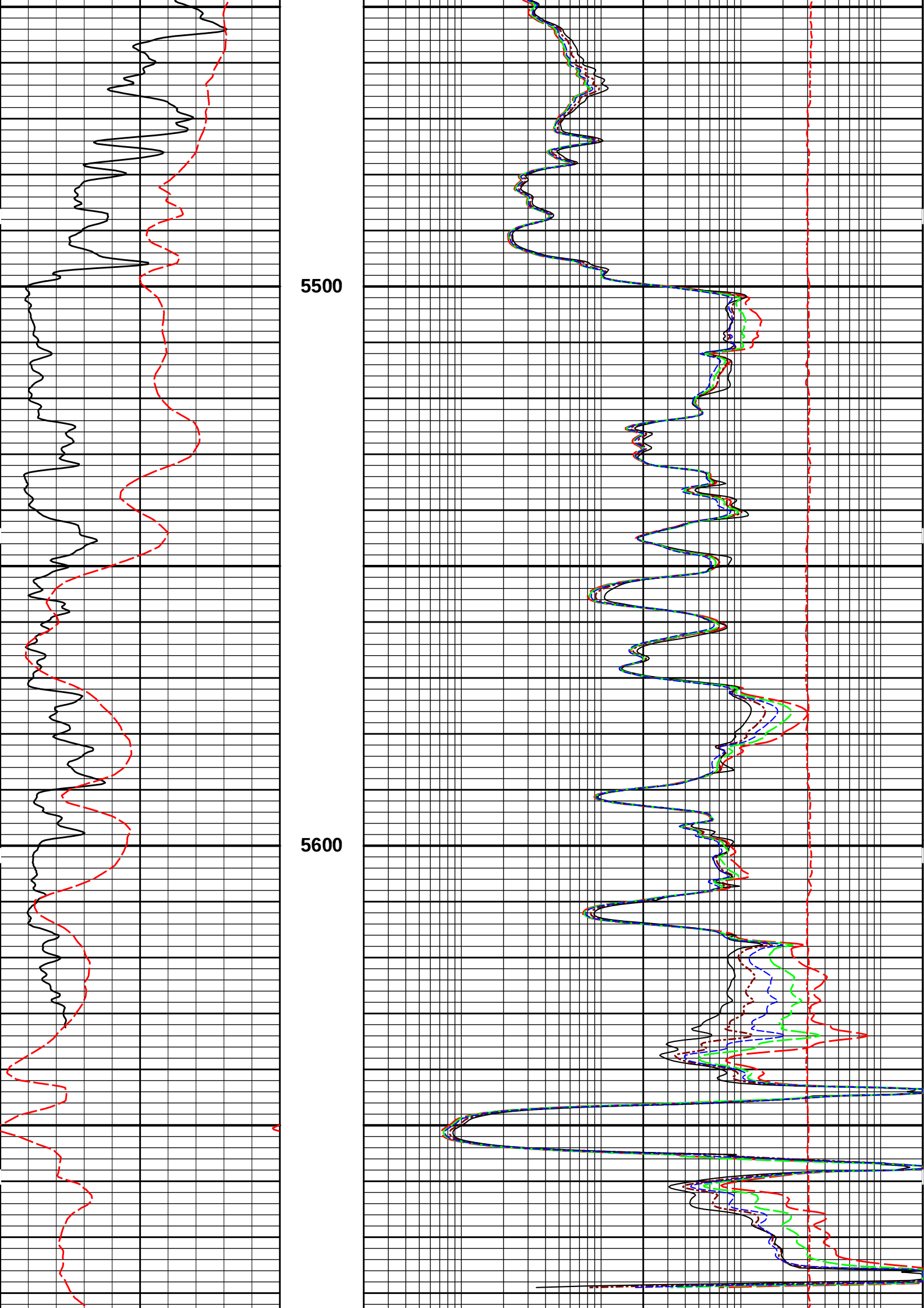
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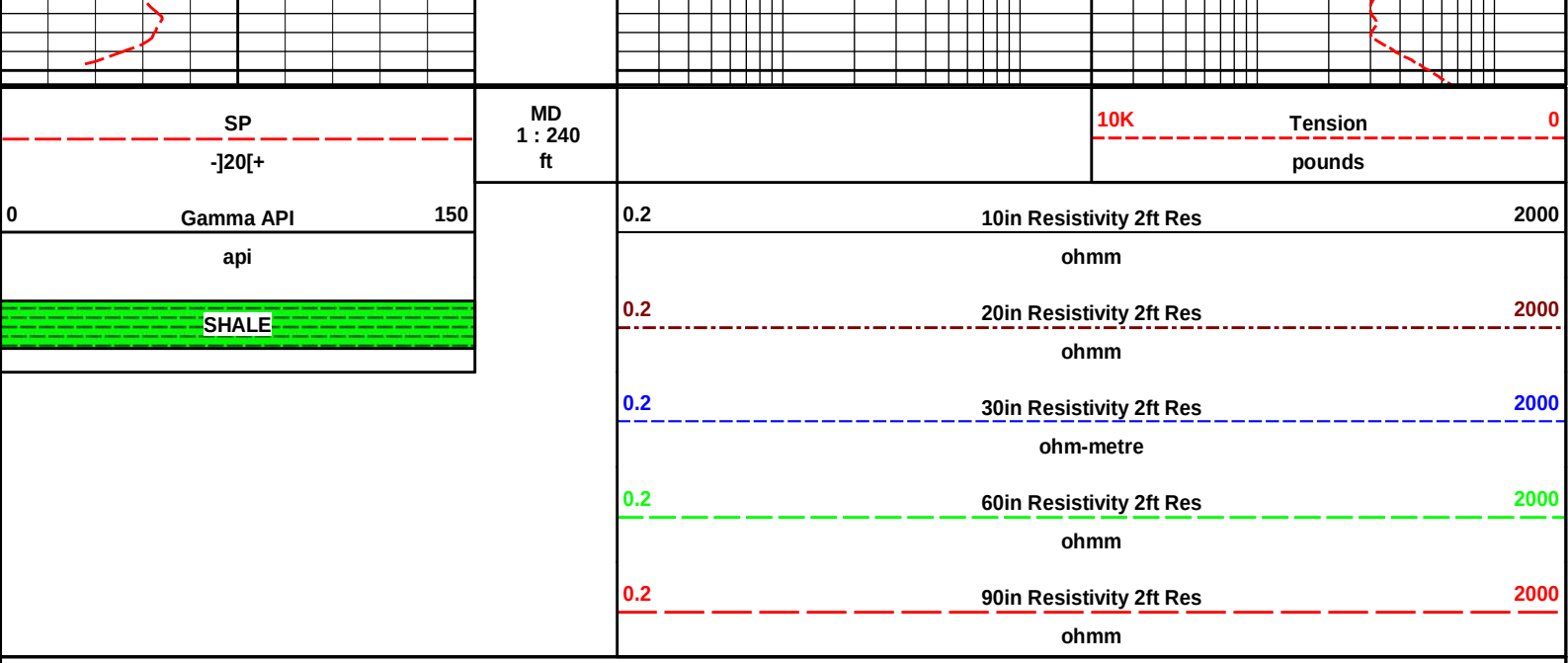

HALLIBURTON

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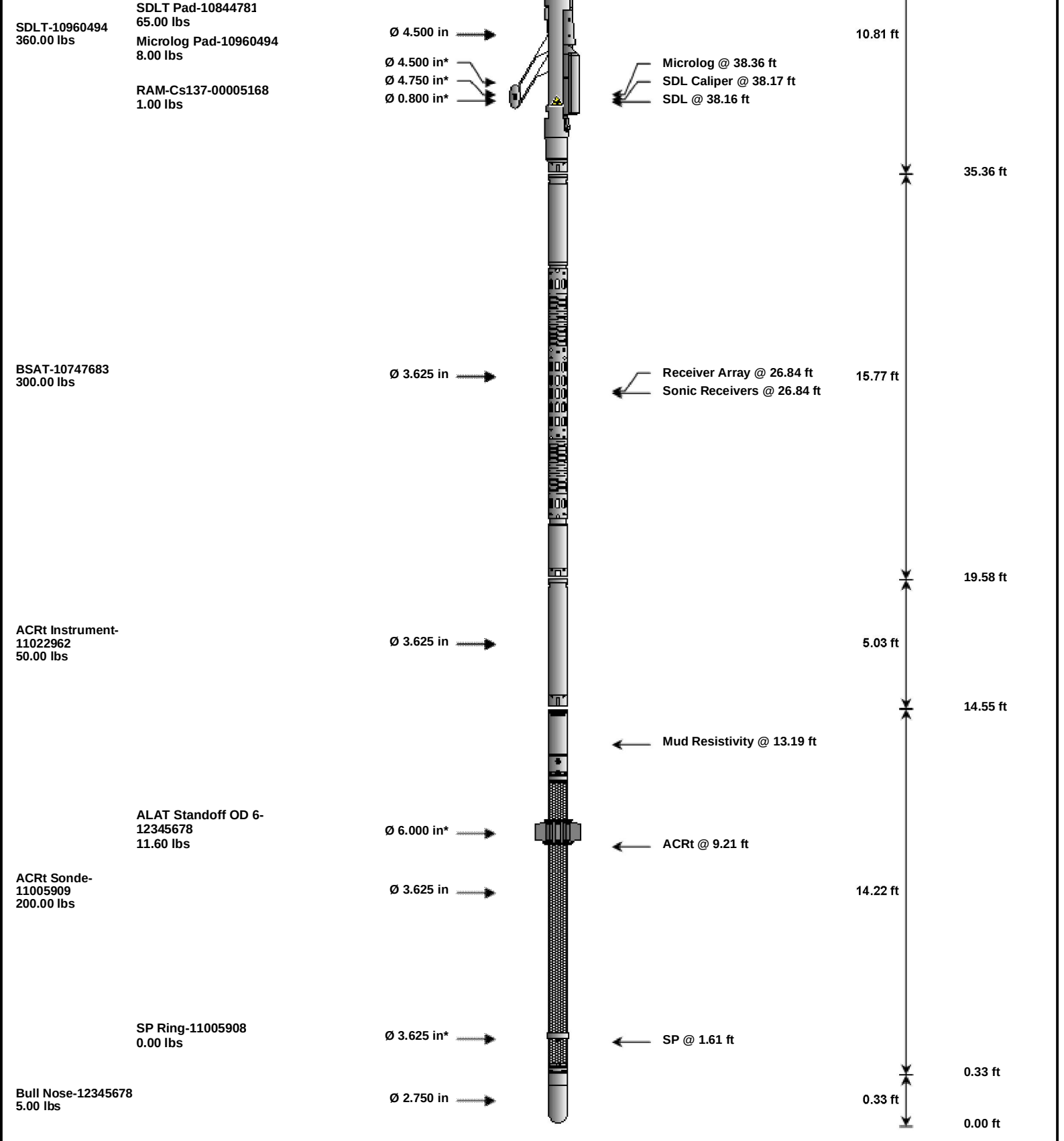
Data: JACQUART_3\Well Based\REPEAT\
Plot File: \\-LOCAL-\JACQUART_3\Well Based\ACRT5\ACRT_5_repeat_lib

REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

Description	Overbody Description	O.D.	Diagram	Sensors @ Delays	Length	Accumulated Length
						67.83 ft
CH_HOS-11459024 37.50 lbs		Ø 2.750 in		Temperature @ 67.33 ft	2.50 ft	
						65.33 ft
XOHD-11572809 20.00 lbs		Ø 2.750 in Ø 3.625 in			0.95 ft	
						64.38 ft
				Z-Accelerometer @ 63.93 ft		
GTET-11958947 165.00 lbs		Ø 3.625 in			8.52 ft	
				GammaRay @ 58.32 ft		
						55.86 ft
	DSN Decentralizer- 11055304 6.60 lbs	Ø 5.000 in*				
DSNT-11055304 174.00 lbs		Ø 3.625 in			9.69 ft	
				DSN Far @ 48.92 ft DSN Near @ 48.17 ft		
						46.17 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	11459024	37.50	2.50		65.33	300.00
XOHD	Hostile to Dits Cross Over	11572809	20.00	0.95		64.38	300.00
GTET	Gamma Telemetry Tool	11958947	165.00	8.52		55.86	60.00
DSNT	Dual Spaced Neutron	11055304	174.00	9.69		46.17	60.00
DCNT	DSN Decentralizer	11055304	6.60	5.13	*	49.50	300.00
SDLT	Spectral Density Tool	10960494	360.00	10.81		35.36	60.00
SDLP	Density Insite Pad	10844781	65.00	2.55	*	37.57	60.00
Cs137	Logging Source, SDLT-I, 1.78 Ci - Cs137	00005168	1.00	0.80	*	37.80	300.00
MICP	Microlog Pad	10960494	8.00	1.00	*	37.86	60.00
BSAT	Borehole Sonic Array Tool	10747683	300.00	15.77		19.58	60.00
ACRt	Array Compensated True Resistivity Instrument Section	11022962	50.00	5.03		14.55	120.00
ACRt	Array Compensated True Resistivity Sonde Section	11005909	200.00	14.22		0.33	120.00
SP	SP Ring	11005908	0.00	0.25	*	1.61	300.00
ALATS	Array Laterolog Tool OD 6 Standoff	12345678	11.60	1.00	*	9.23	60.00
BLNS	Bull Nose	12345678	5.00	0.33		0.00	300.00

Total			1,403.70	67.83

* Not included in Total Length and Length Accumulation.

HALLIBURTON

PARAMETERS REPORT

Depth (ft)	Tool Name	Mnemonic	Description	Value	Units
TOP					
	SHARED	BS	Bit Size	7.875	in
	SHARED	UBS	Use Bit Size instead of Caliper for all applications.	No	
	SHARED	MDBS	Mud Base	Water	
	SHARED	MDWT	Borehole Fluid Weight	9.200	ppg
	SHARED	WAGT	Weighting Agent	Natural	
	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	5.500	in
	SHARED	CSTR	Compressive Strength	1000.00	psia
	SHARED	ST	Surface Temperature	75.0	degF
	SHARED	TD	Total Well Depth	5675.00	ft
	SHARED	BHT	Bottom Hole Temperature	147.0	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	
	Rwa / CrossPlot	XPOK	Process Crossplot?	Yes	
	Rwa / CrossPlot	FCHO	Select Source of F	Automatic	
	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	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	Limestone	
	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	BHSM	Borehole Size Source Tool	SDLT	
SDLT	CLOK	Process Caliper Outputs?	Yes	
Microlog Pad	MLOK	Process MicroLog 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	2.710	g/cc
SDLT Pad	DFL	Formation Density Fluid	1.000	g/cc
SDLT Pad	BHSM	Borehole Size Source Tool	SDLT	
BSAT	MBOK	Compute BCAS Results?	Yes	
BSAT	FLLO	Frequency Filter Low Pass Value?	5000	Hz
BSAT	FLHI	Frequency Filter High Pass Value?	27000	Hz
BSAT	DTFL	Delta -T Pore Fluid	189.00	uspf
BSAT	DTMT	Delta -T Matrix Type	Limestone 47.6	
BSAT	DTSH	Delta -T Shale	100.00	uspf
BSAT	SPEQ	Acoustic Porosity Equation	Wylie	
ACRt Sonde	RTOK	Process ACRt?	Yes	
ACRt Sonde	MNSO	Minimum Tool Standoff	1.50	in
ACRt Sonde	TCS1	Temperature Correction Source	FP Lwr & FP Upr	
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

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CALIBRATION REPORT

NATURAL GAMMA RAY TOOL SHOP CALIBRATION

Tool Name:	**GTET - 11958947**	**Reference Calibration Date:**	**08-Dec-17 09:10:57**
Engineer:	**HARRIS**	**Calibration Date:**	**08-Dec-17 09:13:31**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

Calibrator Source S/N: TB-185

Calibrator API Reference:228.00 api

Equivalent Calibrator API Reference:232.0 api

Measurement	Measured	Calibrated	Units
Background	33.1	32.7	api
Background + Calibrator	267.5	264.7	api
Calibrator	234.4	232.0	api

NATURAL GAMMA RAY TOOL FIELD CALIBRATION

Tool Name:	**GTET - 11958947**	**Reference Calibration Date:**	**08-Dec-17 09:13:31**
Engineer:	**JORGE ORLANDO PEREZ**	**Calibration Date:**	**14-Jan-18 10:40:47**
Software Version:	**WL INSITE R5.0.5 (Build 8)**	**Calibration Version:**	**1**

Calibrator Source S/N: TB-185

Calibrator API Reference:228.00 api

Calibrator API Reference:228.00 api

Equivalent Calibrator API Reference:232.0 api

Field Verification	Shop	Field	Units
Background	32.7	22.9	api
Background + Calibrator	264.7	255.8	api
Calibrator	232.0	232.9	api

Shop	Field	Difference	Tolerance
232.0	232.9	-0.9	+/- 9.00

ARRAY COMPENSATED TRUE RESISTIVITY SHOP CALIBRATION

Tool Name: ACRt Sonde - 11005909
Reference Calibration Date: 28-Dec-17 09:46:29
Engineer: JORGE ORLANDO PEREZ
Calibration Date: 13-Jan-18 11:09:47
Software Version: WL INSITE R5.0.5 (Build 8)
Calibration Version: 1
Host Tool Name: ACRt Instrument - 11022962

TYPICAL GAIN RANGE

Subarray	R12KHz			R36KHz			R72KHz		
	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper	Lower	(mmho/m)	Upper
A1 (80")	0.95	1.0371	1.05	0.95	1.0178	1.05	0.95	1.0085	1.05
A2 (50")	0.95	1.0444	1.05	0.95	1.0252	1.05	0.95	1.0173	1.05
A3 (29")	0.95	1.0335	1.05	0.95	1.0140	1.05	0.95	1.0048	1.05
A4 (17")	0.95	1.0448	1.05	0.95	1.0271	1.05	0.95	1.0210	1.05
A5 (10")	N/A	N/A	N/A	0.95	0.9989	1.05	0.95	0.9901	1.05
A6 (6")	N/A	N/A	N/A	0.95	0.9889	1.05	0.95	0.9797	1.05

SONDE OFFSET

Subarray	R12KHz	R36KHz	R72KHz
	(mmho/m)	(mmho/m)	(mmho/m)
A1 (80")	1.317	-3.682	-6.264
A2 (50")	-0.212	-3.726	-5.359
A3 (29")	-14.553	-5.090	-3.096
A4 (17")	-105.501	-31.725	-26.050
A5 (10")	N/A	-101.243	-44.240
A6 (6")	N/A	282.208	152.425

TRANSMITTER CURRENT GAIN

Signal	Lower	R	Upper
12K	0.6	0.85	1.3
36K	1.0	1.33	2.0
72K	1.0	1.57	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

CALIBRATION SUMMARY

Sensor	Shop	Field	Post	Difference	Tolerance	Units
GTET-11958947						
Gamma Ray Calibrator	232.0	232.9	----------	-0.9	+/- 9.00	api
ACRt Sonde-11005909						
Mud Cell	1.00	----------	----------	0	----------	ohm-m

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INPUTS, DELAYS AND FILTERS TABLE

Mnemonic	Input Description	Delay (ft)	Filter Type	Filter Length (ft)
	Depth Panel			
TENS	Tension	0.00	NO	
	Rwa / CrossPlot			
TPUL	Tension Pull	67.83	NO	
BS	Bit Size	67.83	NO	
HDIA	Measured Hole Diameter	0.00	NO	
	CH_HOS			
DHTN	DownholeTension	0.00	BLK	0.000
	GTET			
TPUL	Tension Pull	58.32	NO	
GR	Natural Gamma Ray API	58.32	TRI	1.750
GRU	Unfiltered Natural Gamma Ray API	58.32	NO	
EGR	Natural Gamma Ray API with Enhanced Vertical Resolution	58.32	W	1.416 , 0.750
HDIA	Measured Hole Diameter	0.00	NO	
ACCZ	Accelerometer Z	0.00	BLK	0.083
DEVI	Inclination	0.00	NO	
	DSNT			
TPUL	Tension Pull	48.07	NO	
RNDS	Near Detector Telemetry Counts	48.17	BLK	1.417
RFDS	Far Detector Telemetry Counts	48.92	TRI	0.583
DNTT	DSN Tool Temperature	48.17	NO	
DSNS	DSN Tool Status	48.07	NO	
ERND	Near Detector Telemetry Counts EVR	48.17	BLK	0.000
ERFD	Far Detector Telemetry Counts EVR	48.92	BLK	0.000
ENTM	DSN Tool Temperature EVR	48.17	NO	
HDIA	Measured Hole Diameter	0.00	NO	
	SDLT			
TPUL	Tension Pull	38.17	NO	
PCAL	Pad Caliper	38.17	TRI	0.250
ACAL	Arm Caliper	38.17	TRI	0.250
	BSAT			
TPUL	Tension Pull	26.84	NO	
STAT	Status	26.84	NO	
DLYT	Delay Time	26.84	NO	
SI	Sample Interval	26.84	NO	
TXRX	Raw Telemetry 10 Receivers	26.84	NO	
FRMC	Tool Frame Count	26.84	NO	
GMOD	Gain processing mode	19.58	NO	
	ACRt Sonde			
TPUL	Tension Pull	2.73	NO	
F1R1	ACRT 12KHz - 80in R value	8.98	BLK	0.000
F1X1	ACRT 12KHz - 80in X value	8.98	BLK	0.000
F1R2	ACRT 12KHz - 50in R value	6.48	BLK	0.000
F1X2	ACRT 12KHz - 50in X value	6.48	BLK	0.000
F1R3	ACRT 12KHz - 29in R value	4.98	BLK	0.000
F1X3	ACRT 12KHz - 29in X value	4.98	BLK	0.000

F1R4	ACRT 12KHz - 17in R value	3.98	BLK	0.000
F1X4	ACRT 12KHz - 17in X value	3.98	BLK	0.000
F1R5	ACRT 12KHz - 10in R value	3.48	BLK	0.000
F1X5	ACRT 12KHz - 10in X value	3.48	BLK	0.000
F1R6	ACRT 12KHz - 6in R value	3.23	BLK	0.000
F1X6	ACRT 12KHz - 6in X value	3.23	BLK	0.000
F2R1	ACRT 36KHz - 80in R value	8.98	BLK	0.000
F2X1	ACRT 36KHz - 80in X value	8.98	BLK	0.000
F2R2	ACRT 36KHz - 50in R value	6.48	BLK	0.000
F2X2	ACRT 36KHz - 50in X value	6.48	BLK	0.000
F2R3	ACRT 36KHz - 29in R value	4.98	BLK	0.000
F2X3	ACRT 36KHz - 29in X value	4.98	BLK	0.000
F2R4	ACRT 36KHz - 17in R value	3.98	BLK	0.000
F2X4	ACRT 36KHz - 17in X value	3.98	BLK	0.000
F2R5	ACRT 36KHz - 10in R value	3.48	BLK	0.000
F2X5	ACRT 36KHz - 10in X value	3.48	BLK	0.000
F2R6	ACRT 36KHz - 6in R value	3.23	BLK	0.000
F2X6	ACRT 36KHz - 6in X value	3.23	BLK	0.000
F3R1	ACRT 72KHz - 80in R value	8.98	BLK	0.000
F3X1	ACRT 72KHz - 80in X value	8.98	BLK	0.000
F3R2	ACRT 72KHz - 50in R value	6.48	BLK	0.000
F3X2	ACRT 72KHz - 50in X value	6.48	BLK	0.000
F3R3	ACRT 72KHz - 29in R value	4.98	BLK	0.000
F3X3	ACRT 72KHz - 29in X value	4.98	BLK	0.000
F3R4	ACRT 72KHz - 17in R value	3.98	BLK	0.000
F3X4	ACRT 72KHz - 17in X value	3.98	BLK	0.000
F3R5	ACRT 72KHz - 10in R value	3.48	BLK	0.000
F3X5	ACRT 72KHz - 10in X value	3.48	BLK	0.000
F3R6	ACRT 72KHz - 6in R value	3.23	BLK	0.000
F3X6	ACRT 72KHz - 6in X value	3.23	BLK	0.000
RMUD	Mud Resistivity	12.52	BLK	0.000
F1RT	Transmitter Reference 12 KHz Real Signal	2.73	BLK	0.000
F1XT	Transmitter Reference 12 KHz Imaginary Signal	2.73	BLK	0.000
F2RT	Transmitter Reference 36 KHz Real Signal	2.73	BLK	0.000
F2XT	Transmitter Reference 36 KHz Imaginary Signal	2.73	BLK	0.000
F3RT	Transmitter Reference 72 KHz Real Signal	2.73	BLK	0.000
F3XT	Transmitter Reference 72 KHz Imaginary Signal	2.73	BLK	0.000
TFPU	Upper Feedpipe Temperature Calculated	2.73	BLK	0.000
TFPL	Lower Feedpipe Temperature Calculated	2.73	BLK	0.000
ITMP	Instrument Temperature	2.73	BLK	0.000
TCVA	Temperature Correction Values Loop Off	2.73	NO	
TIDV	Instrument Temperature Derivative	2.73	NO	
TUDV	Upper Temperature Derivative	2.73	NO	
TLDV	Lower Temperature Derivative	2.73	NO	
TRBD	Receiver Board Temperature	2.73	NO	
HDIA	Measured Hole Diameter	0.00	NO	
	Microlog Pad			
TPUL	Tension Pull	38.36	NO	
MINV	Microlog Lateral	38.36	BLK	0.750
MNOR	Microlog Normal	38.36	BLK	0.750
	SDLT Pad			
TPUL	Tension Pull	38.16	NO	
NAB	Near Above	37.99	BLK	0.920
NHI	Near Cesium High	37.99	BLK	0.920
NLO	Near Cesium Low	37.99	BLK	0.920
NVA	Near Valley	37.99	BLK	0.920
NBA	Near Barite	37.99	BLK	0.920

NDE	Near Density	37.99	BLK	0.920
NPK	Near Peak	37.99	BLK	0.920
NLI	Near Lithology	37.99	BLK	0.920
NBAU	Near Barite Unfiltered	37.99	BLK	0.250
NLIU	Near Lithology Unfiltered	37.99	BLK	0.250
FAB	Far Above	38.34	BLK	0.250
FHI	Far Cesium High	38.34	BLK	0.250
FLO	Far Cesium Low	38.34	BLK	0.250
FVA	Far Valley	38.34	BLK	0.250
FBA	Far Barite	38.34	BLK	0.250
FDE	Far Density	38.34	BLK	0.250
FPK	Far Peak	38.34	BLK	0.250
FLI	Far Lithology	38.34	BLK	0.250
PTMP	Pad Temperature	38.17	BLK	0.920
NHV	Near Detector High Voltage	37.57	NO	
FHV	Far Detector High Voltage	37.57	NO	
ITMP	Instrument Temperature	37.57	NO	
DDHV	Detector High Voltage	37.57	NO	
HDIA	Measured Hole Diameter	0.00	NO	
	SP Ring			
PLTC	Plot Control Mask	1.61	NO	
SP	Spontaneous Potential	1.61	BLK	1.250
SPR	Raw Spontaneous Potential	1.61	NO	
SPO	Spontaneous Potential Offset	1.61	NO	

Data: JACQUART_3\0001 GTET-DSNT-SDLT-BSAT-ACRT\IDLE **Date: 15-Jan-18 18:59:31**

COMPANY	**MERIT ENERGY COMPANY**		
WELL	**JACQUART 3**		
FIELD	**EUBANK**		
COUNTY	**HASKELL**	STATE	**KANSAS**

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ARRAY COMPENSATED TRUE RESISTIVITY LOG